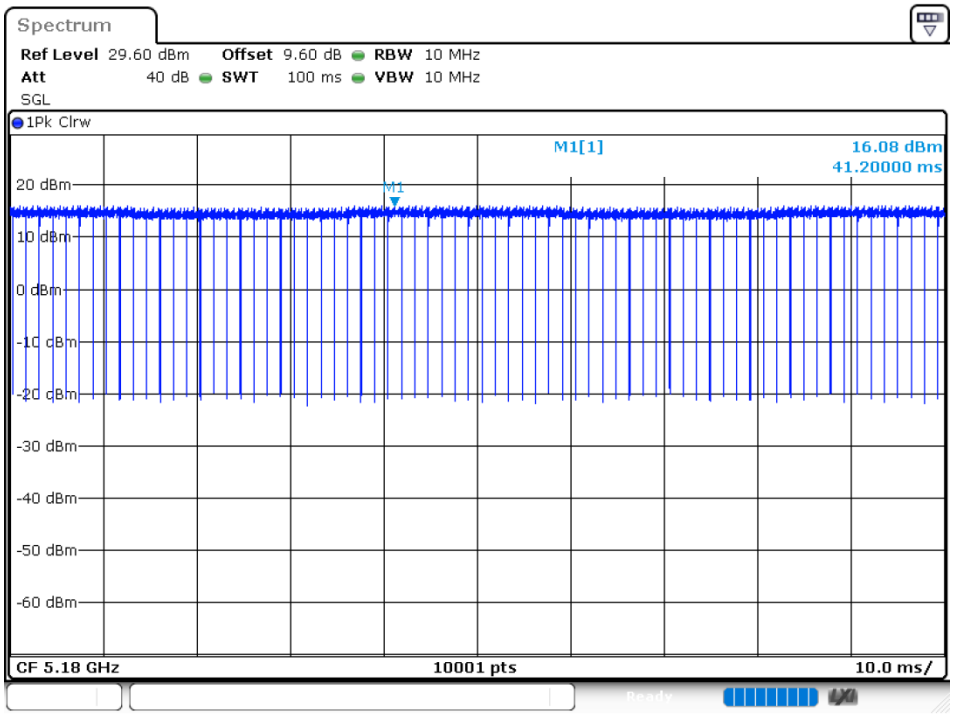
5.2G:

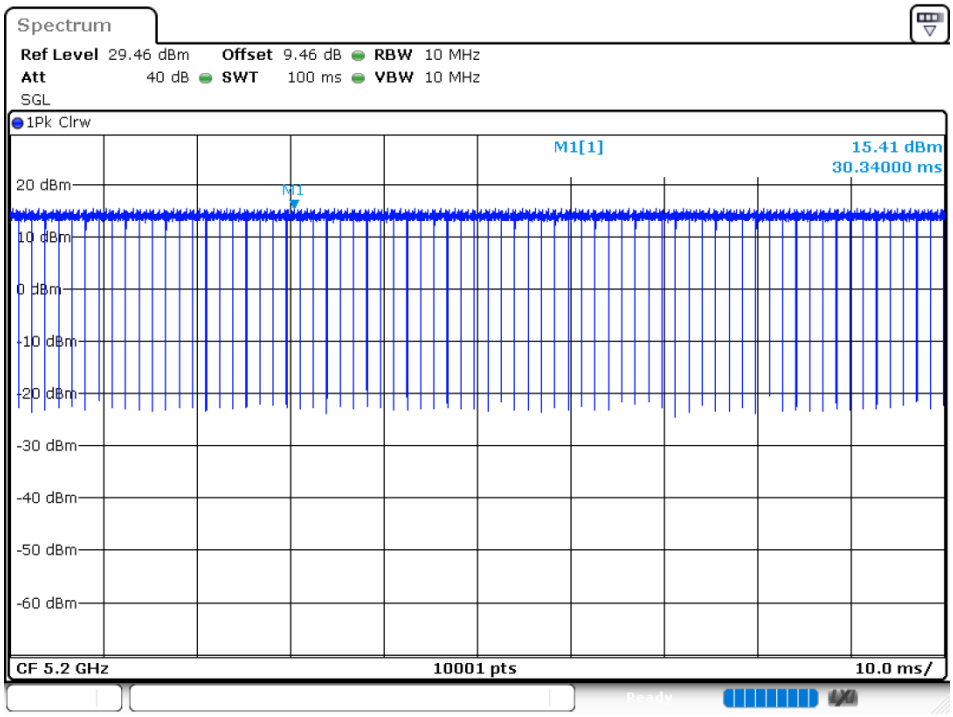
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	100	0
NVNT	a	5200	Ant1	100	0
NVNT	a	5240	Ant1	100	0
NVNT	a	5180	Ant2	100	0
NVNT	a	5200	Ant2	100	0
NVNT	a	5240	Ant2	100	0
NVNT	ac20	5180	Ant1	32.57	4.87
NVNT	ac20	5200	Ant1	32.34	4.9
NVNT	ac20	5240	Ant1	32.36	4.9
NVNT	ac20	5180	Ant2	32.55	4.87
NVNT	ac20	5200	Ant2	32.56	4.87
NVNT	ac20	5240	Ant2	32.48	4.88
NVNT	ac40	5190	Ant1	22.25	6.53
NVNT	ac40	5230	Ant1	22.17	6.54
NVNT	ac40	5190	Ant2	22.24	6.53
NVNT	ac40	5230	Ant2	22.17	6.54
NVNT	ac80	5210	Ant1	48.69	3.13
NVNT	ac80	5210	Ant2	48.59	3.13
NVNT	n20	5180	Ant1	100	0
NVNT	n20	5200	Ant1	79.4	1
NVNT	n20	5240	Ant1	79.41	1
NVNT	n20	5180	Ant2	100	0
NVNT	n20	5200	Ant2	79.73	0.98
NVNT	n20	5240	Ant2	79.45	1
NVNT	n40	5190	Ant1	65.69	1.82
NVNT	n40	5230	Ant1	65.78	1.82
NVNT	n40	5190	Ant2	65.66	1.83
NVNT	n40	5230	Ant2	65.68	1.83

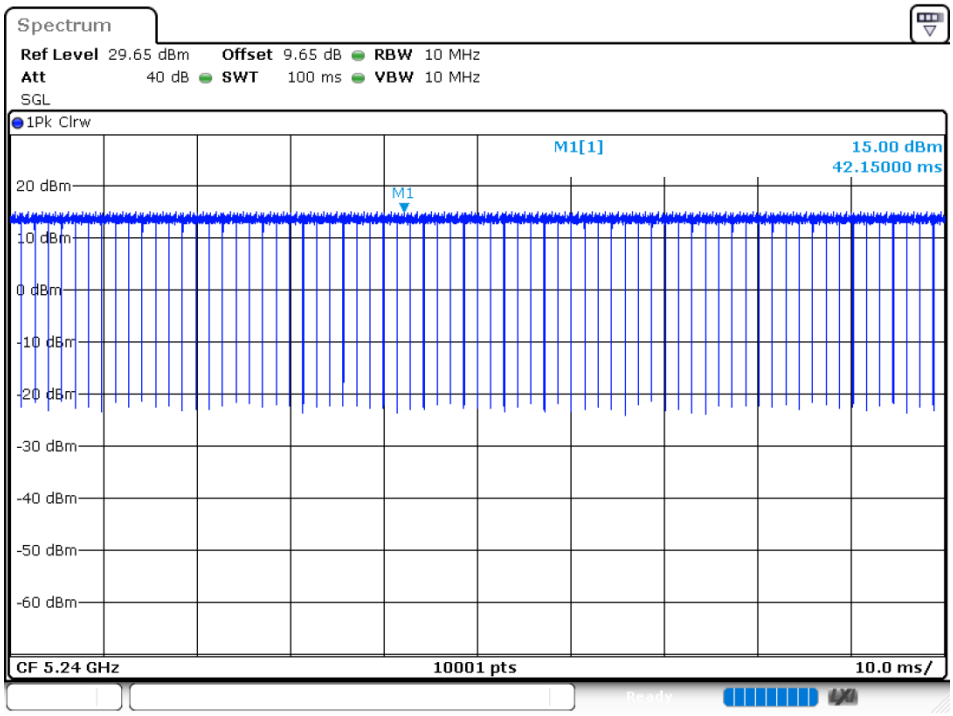
Duty Cycle NVNT 802.11a 5180MHz Ant 1



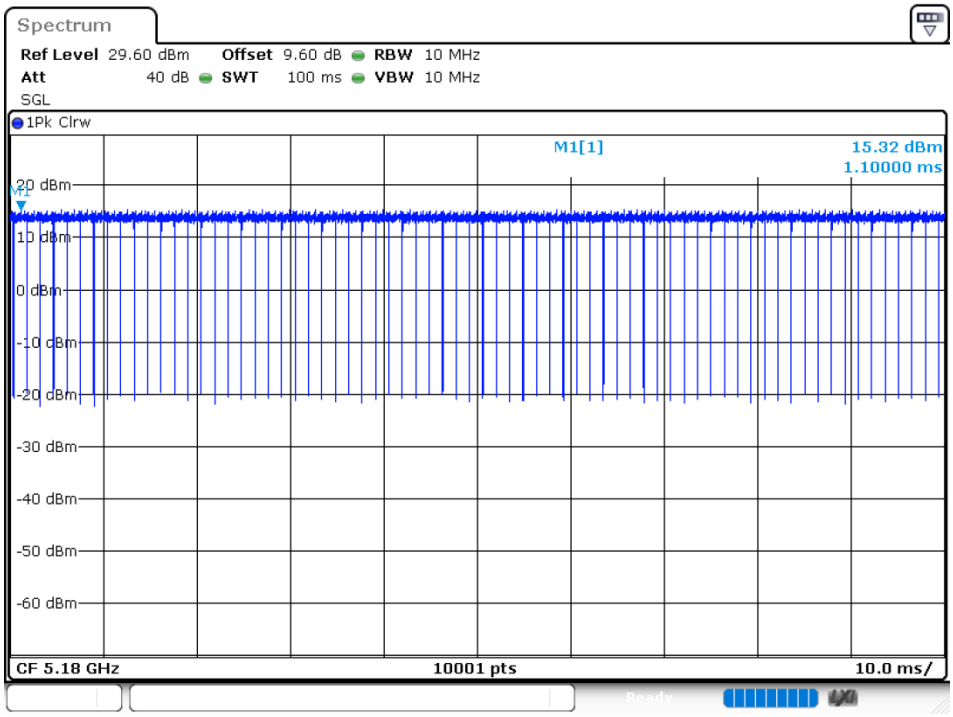
Duty Cycle NVNT 802.11a 5200MHz Ant 1



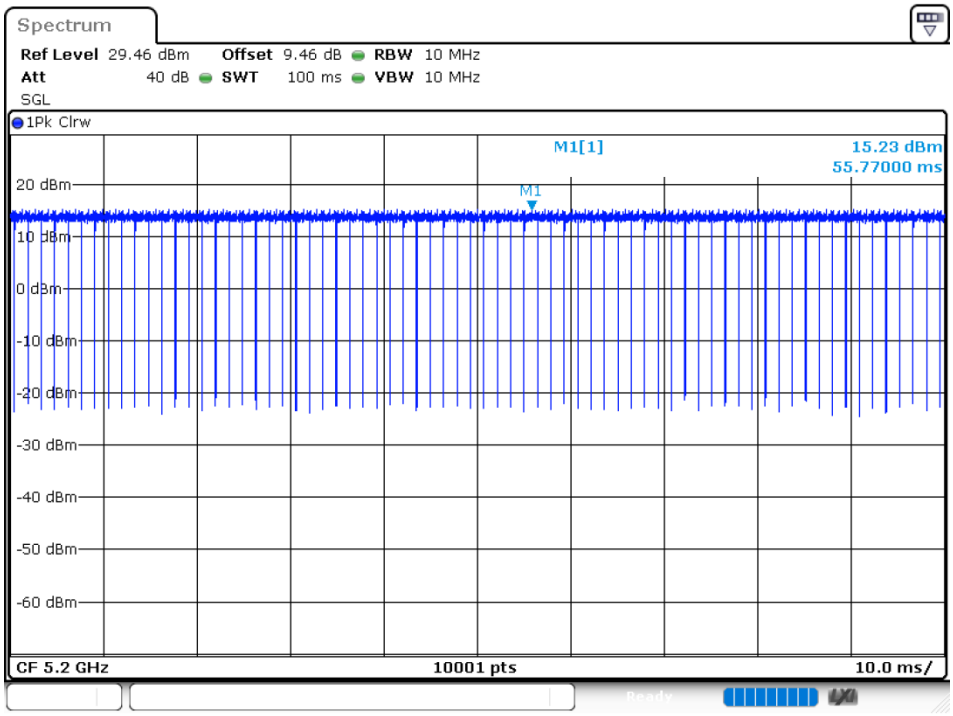
Duty Cycle NVNT 802.11a 5240MHz Ant 1



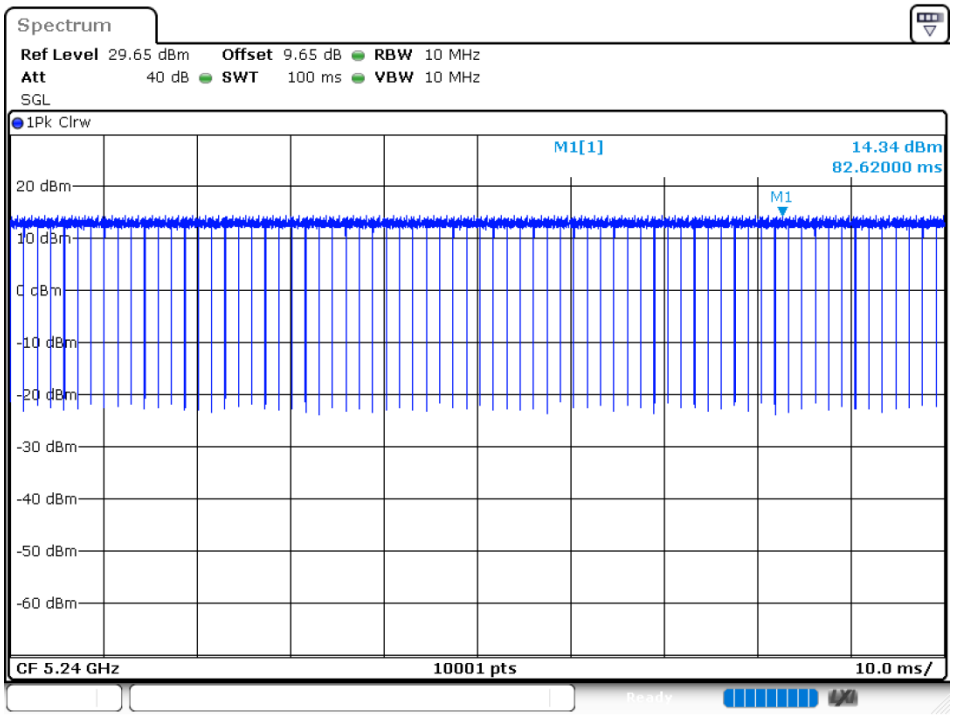
Duty Cycle NVNT 802.11a 5180MHz Ant 2



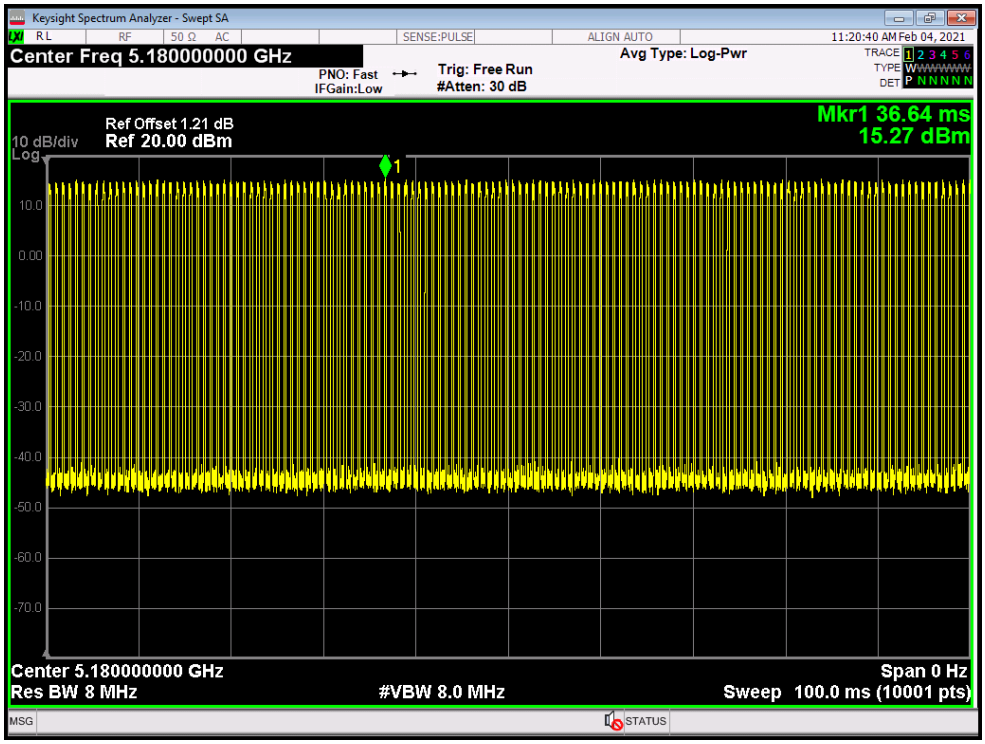
Duty Cycle NVNT 802.11a 5200MHz Ant 2



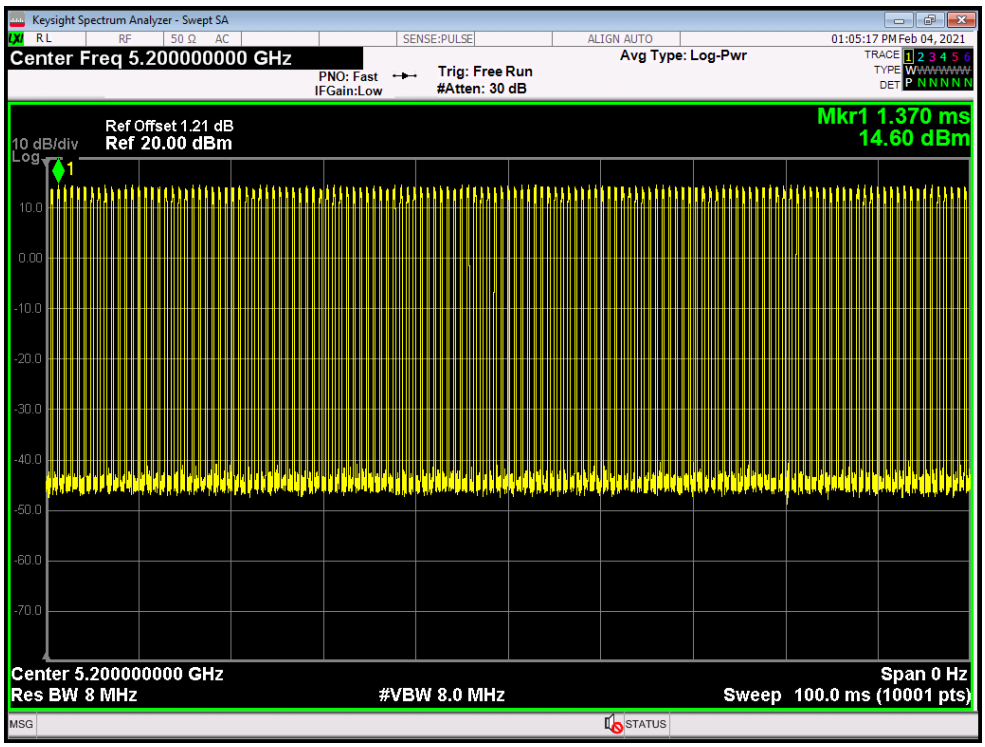
Duty Cycle NVNT 802.11a 5240MHz Ant 2



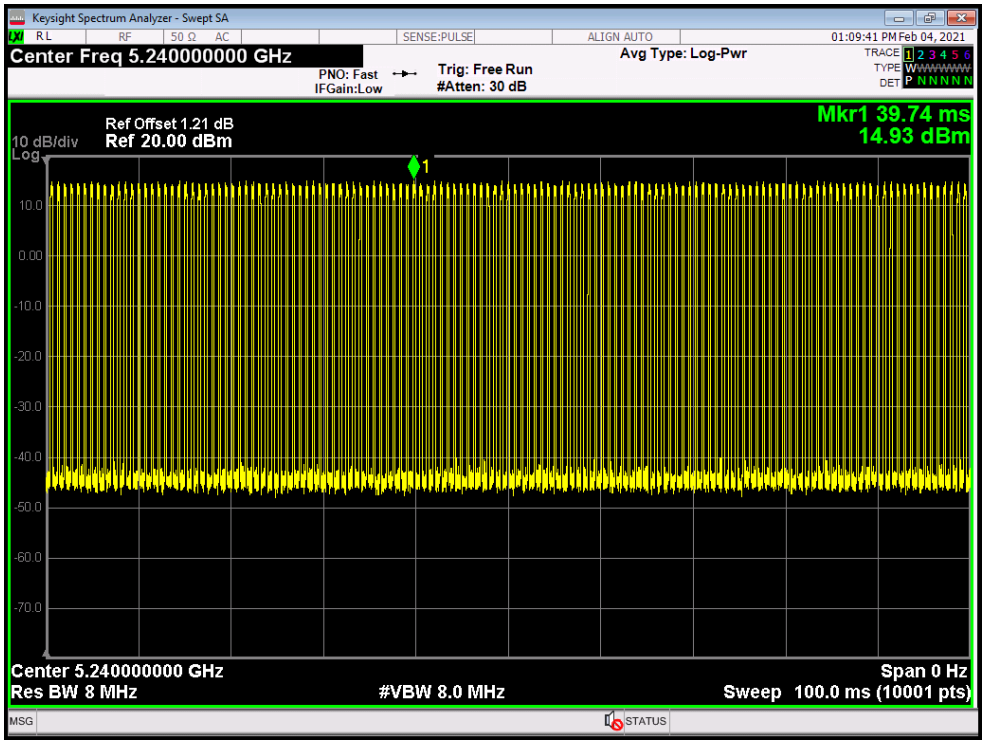
Duty Cycle NVNT ac20 5180MHz Ant1



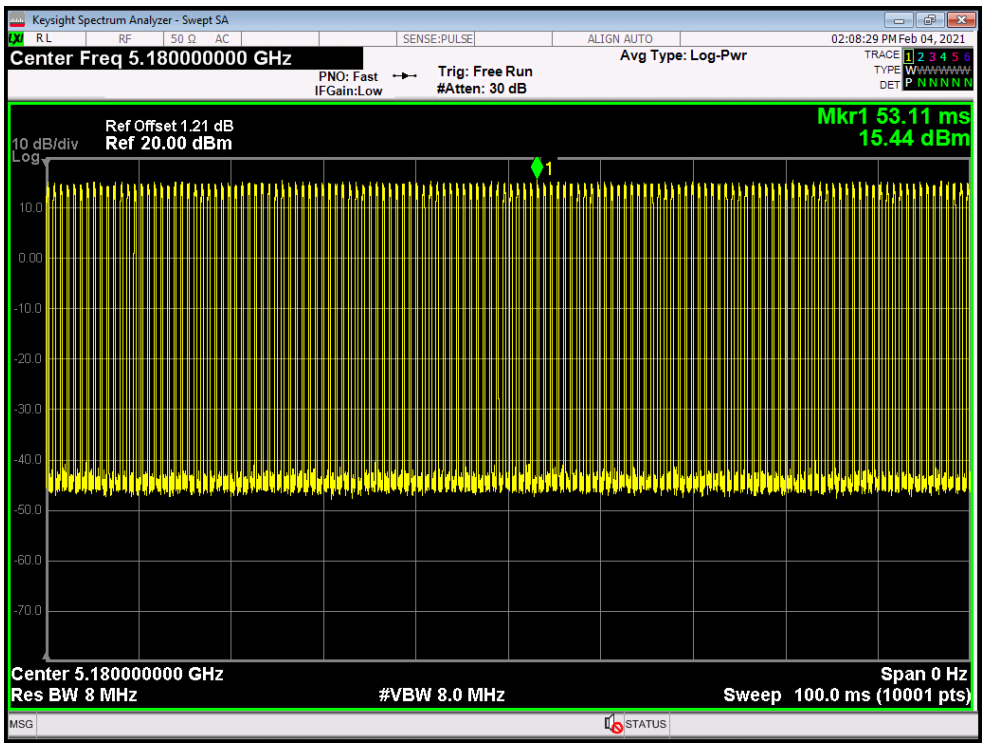
Duty Cycle NVNT ac20 5200MHz Ant1



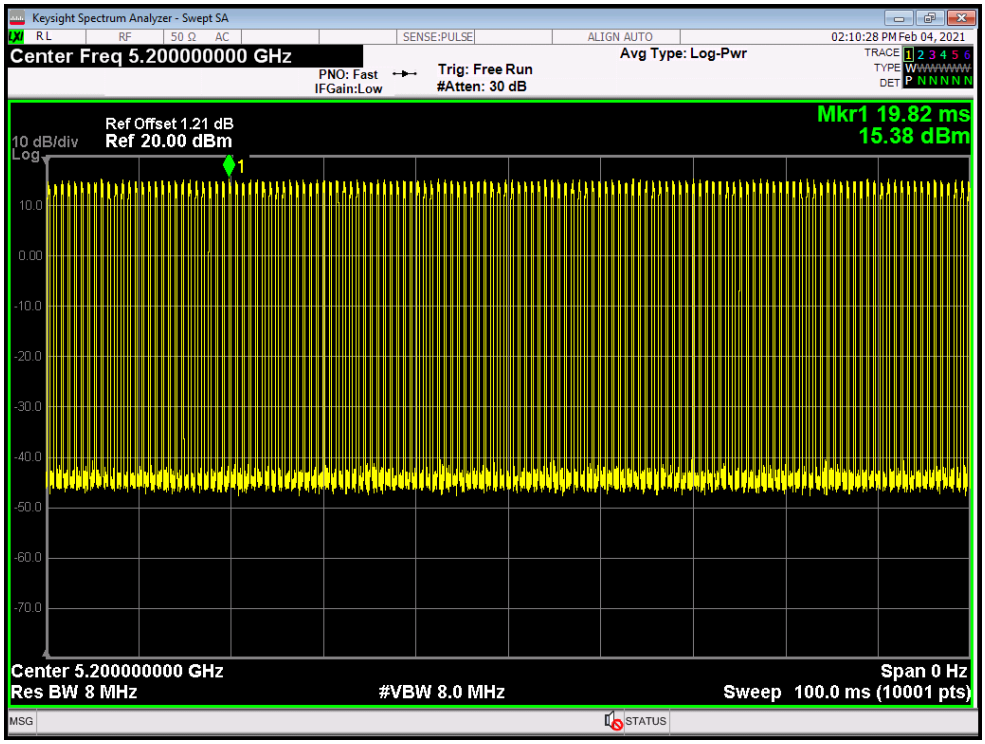
Duty Cycle NVNT ac20 5240MHz Ant1



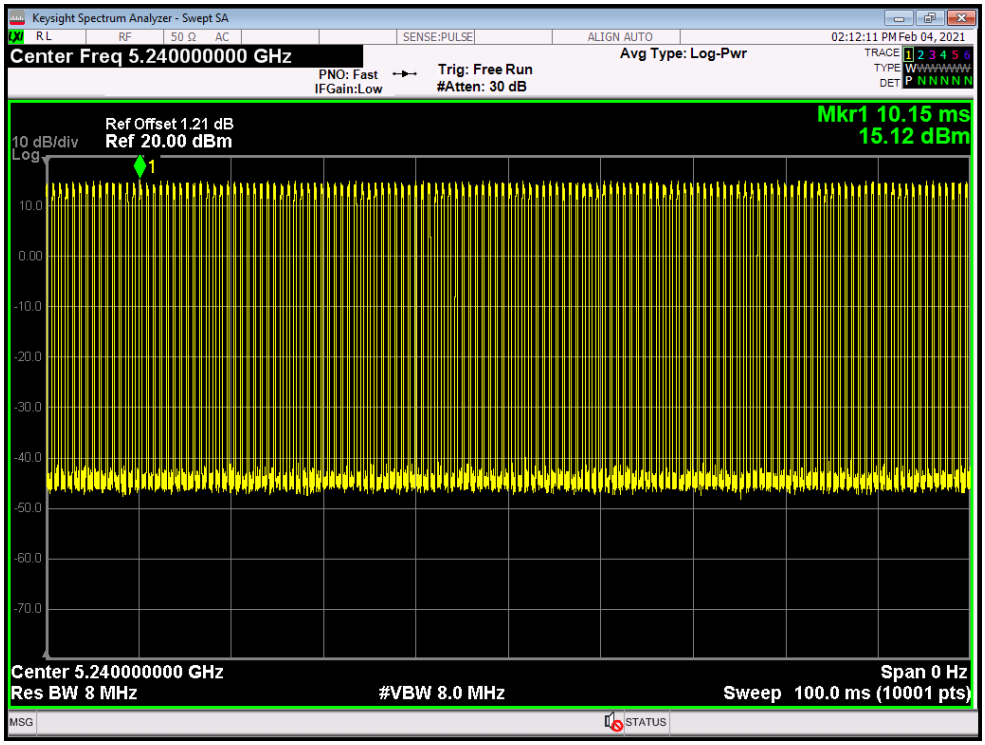
Duty Cycle NVNT ac20 5180MHz Ant2



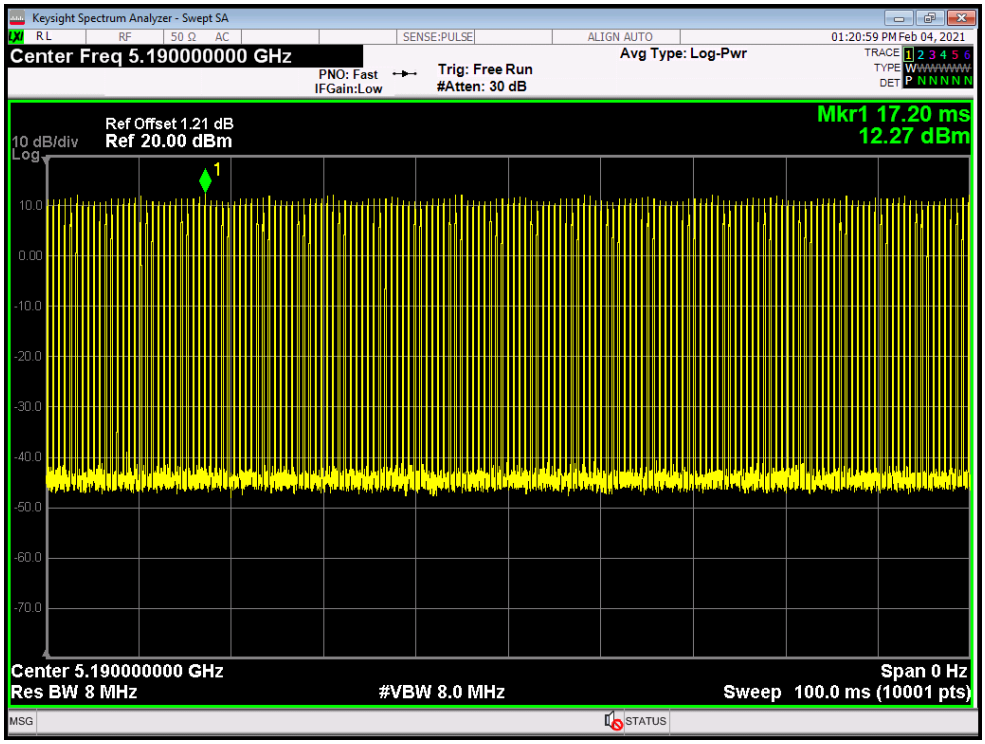
Duty Cycle NVNT ac20 5200MHz Ant2



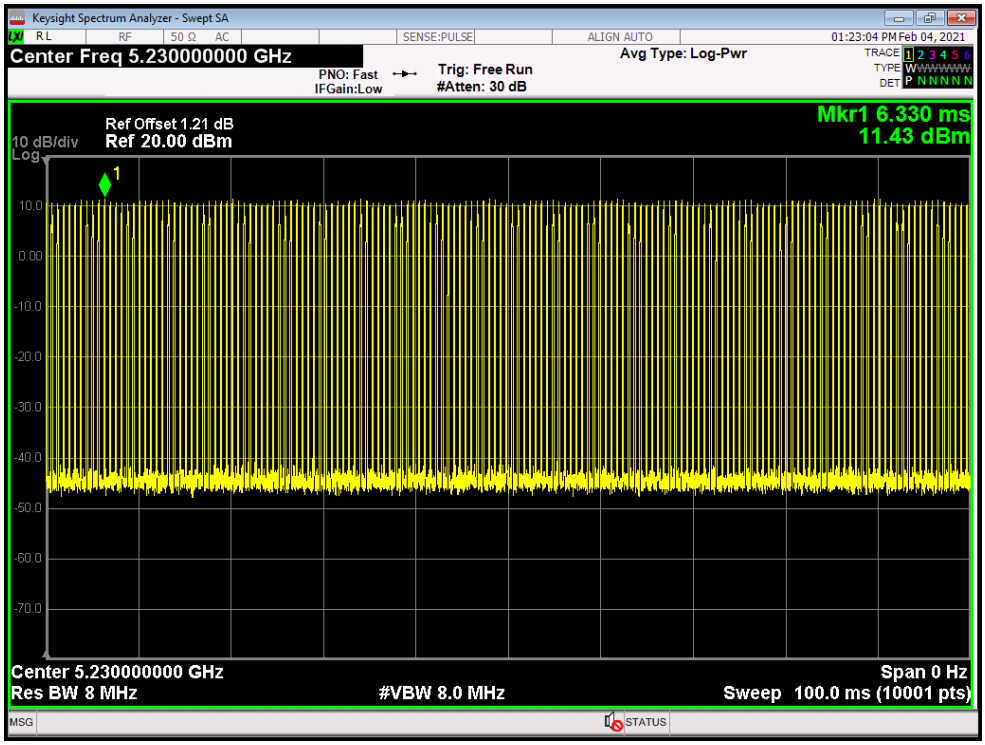
Duty Cycle NVNT ac20 5240MHz Ant2



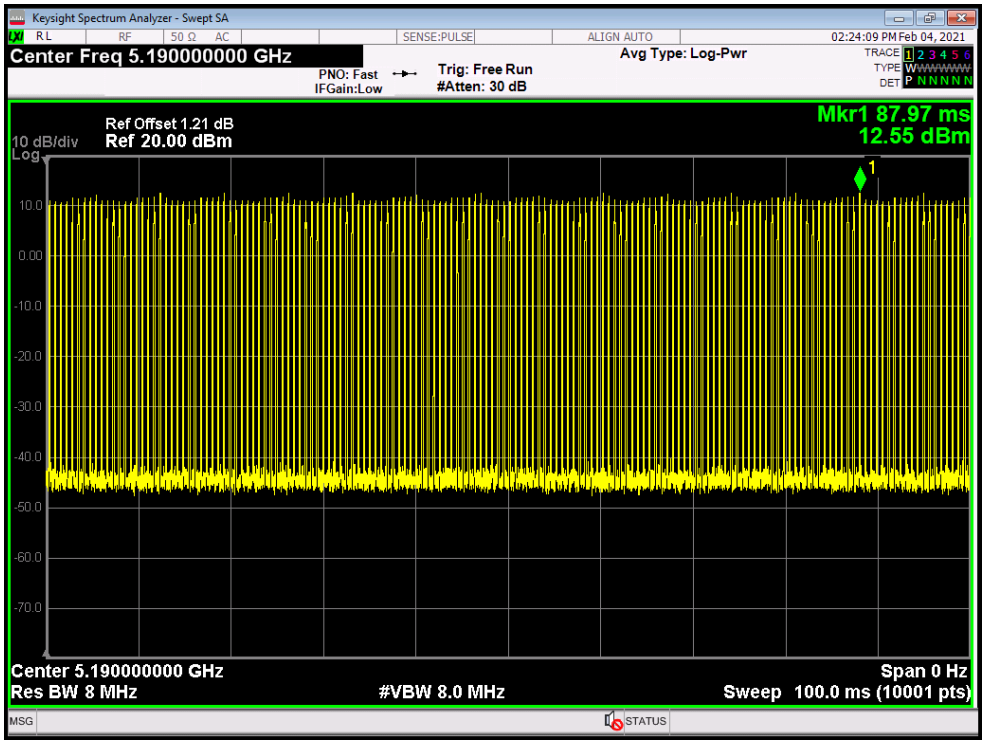
Duty Cycle NVNT ac40 5190MHz Ant1



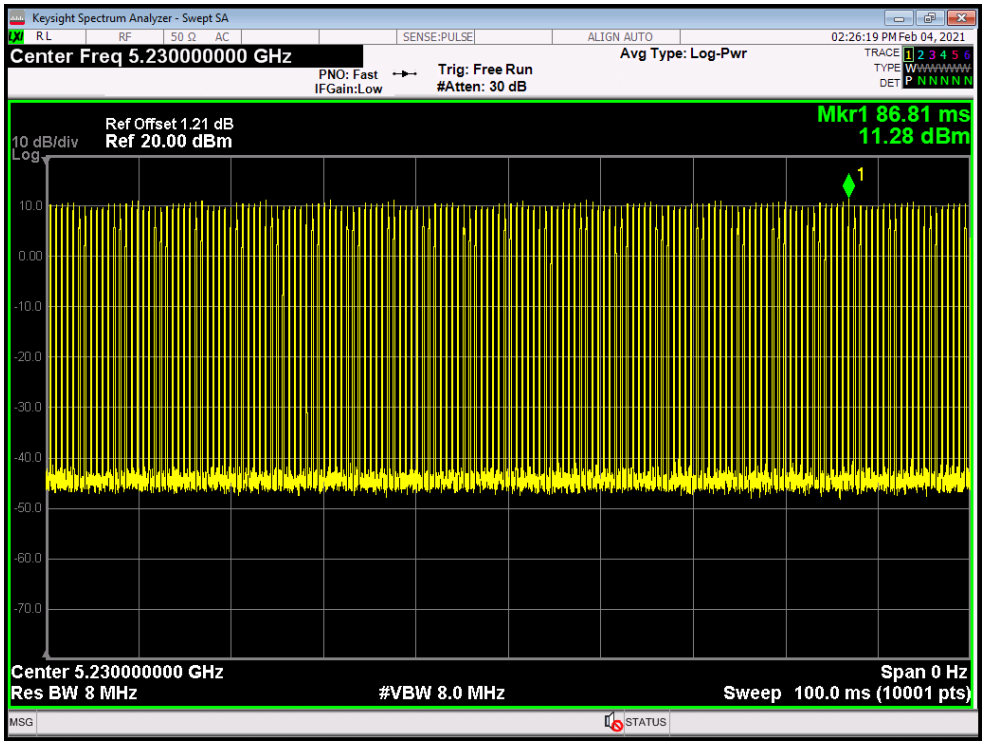
Duty Cycle NVNT ac40 5230MHz Ant1



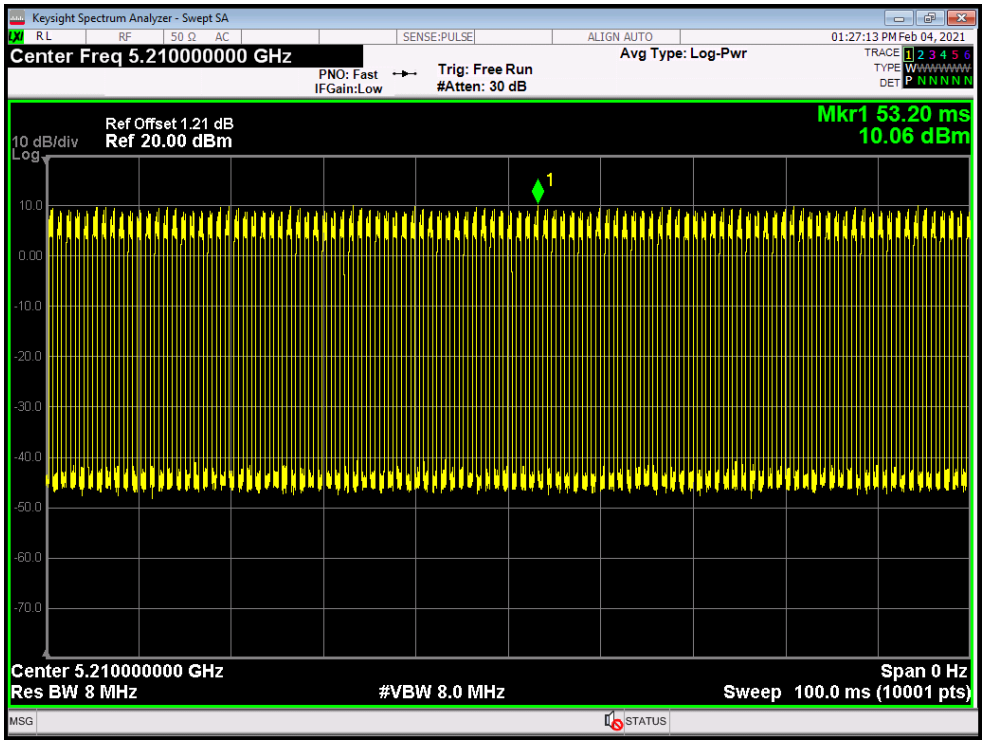
Duty Cycle NVNT ac40 5190MHz Ant2



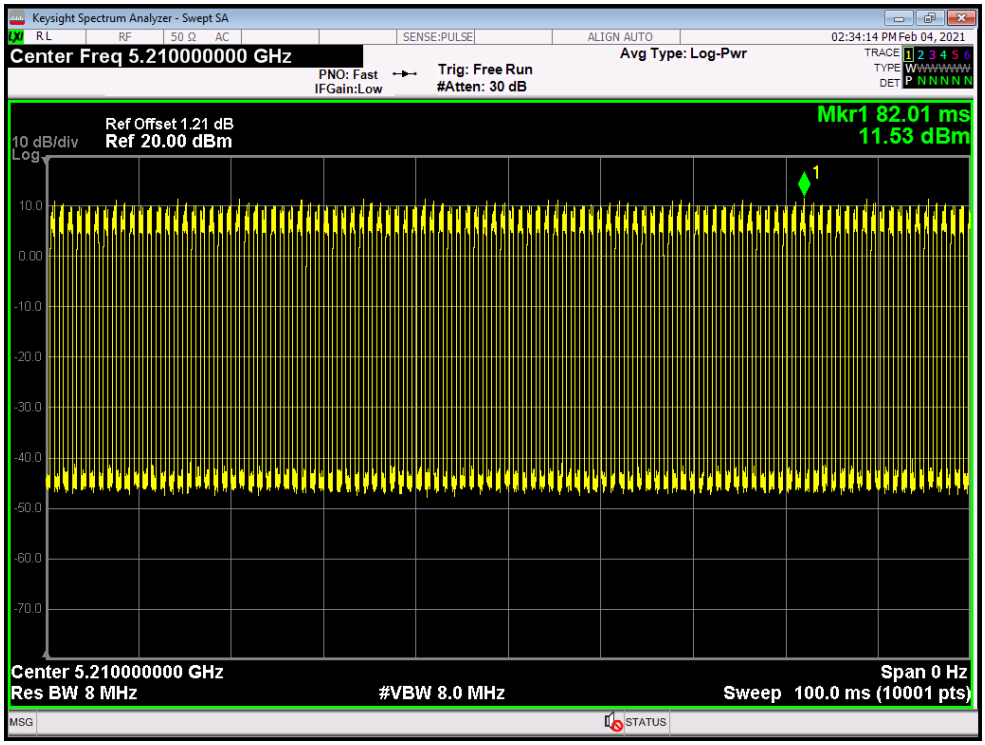
Duty Cycle NVNT ac40 5230MHz Ant2



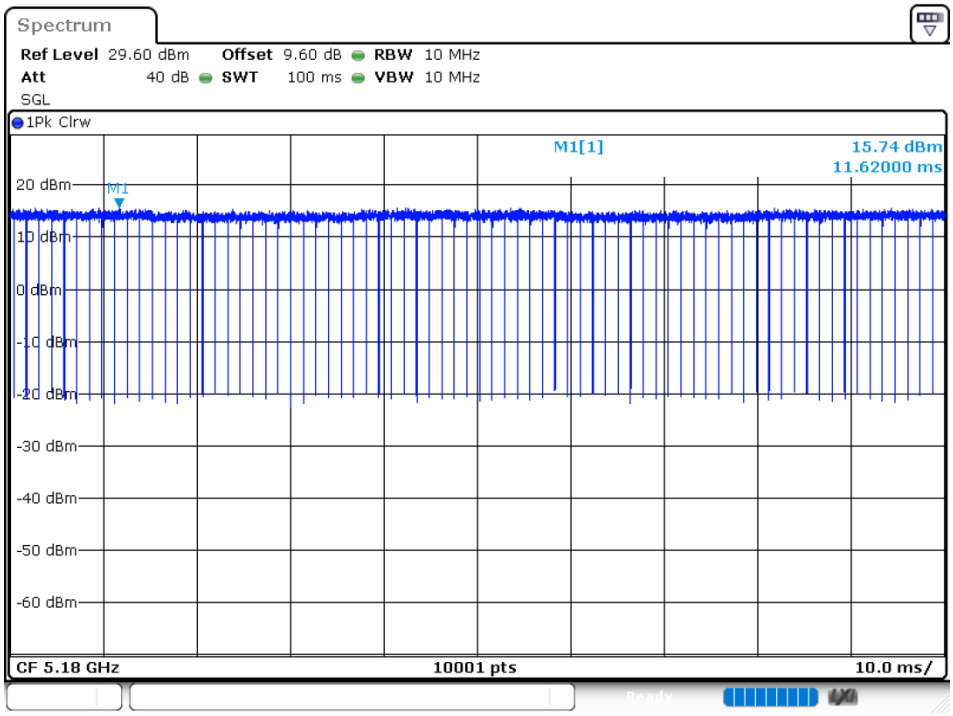
Duty Cycle NVNT ac80 5210MHz Ant1



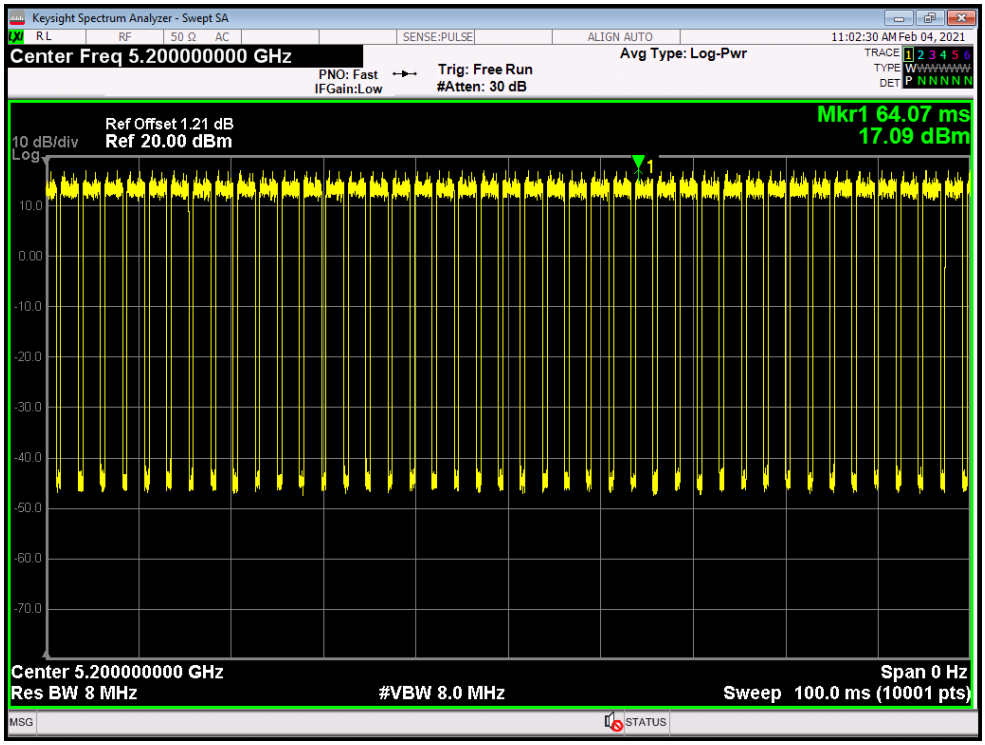
Duty Cycle NVNT ac80 5210MHz Ant2



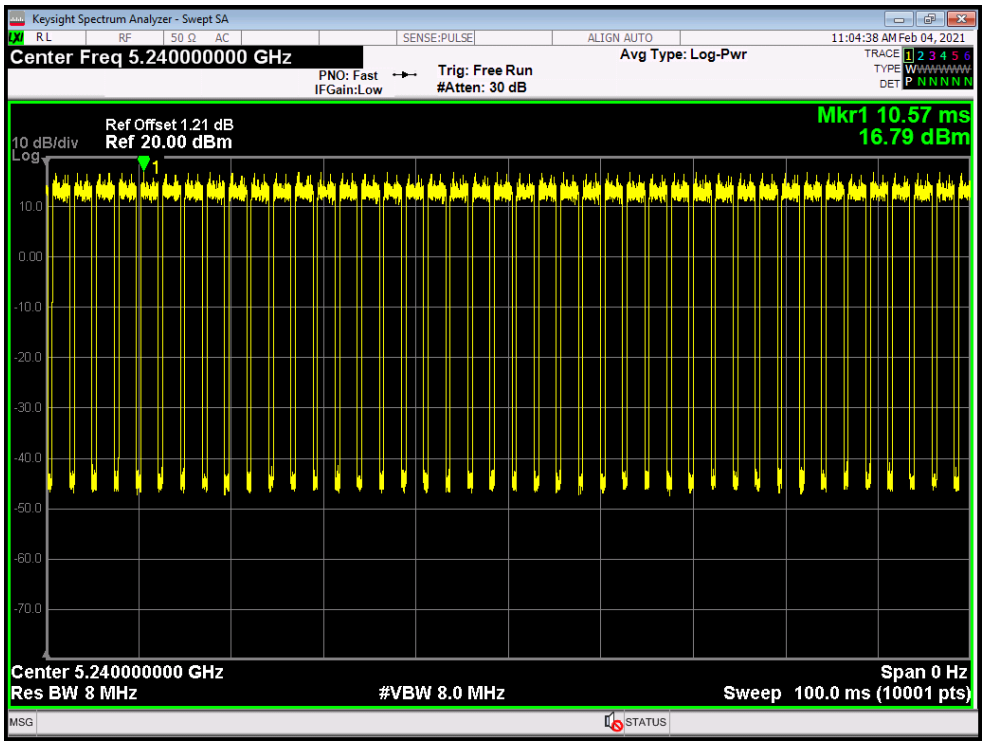
Duty Cycle NVNT n20 5180MHz Ant1



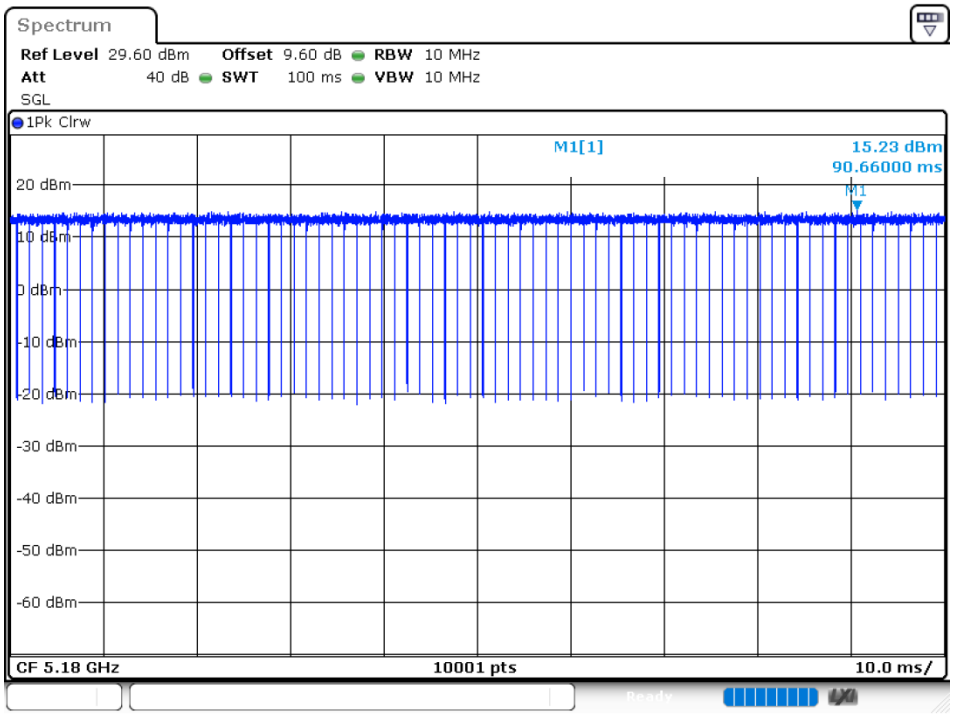
Duty Cycle NVNT n20 5200MHz Ant1



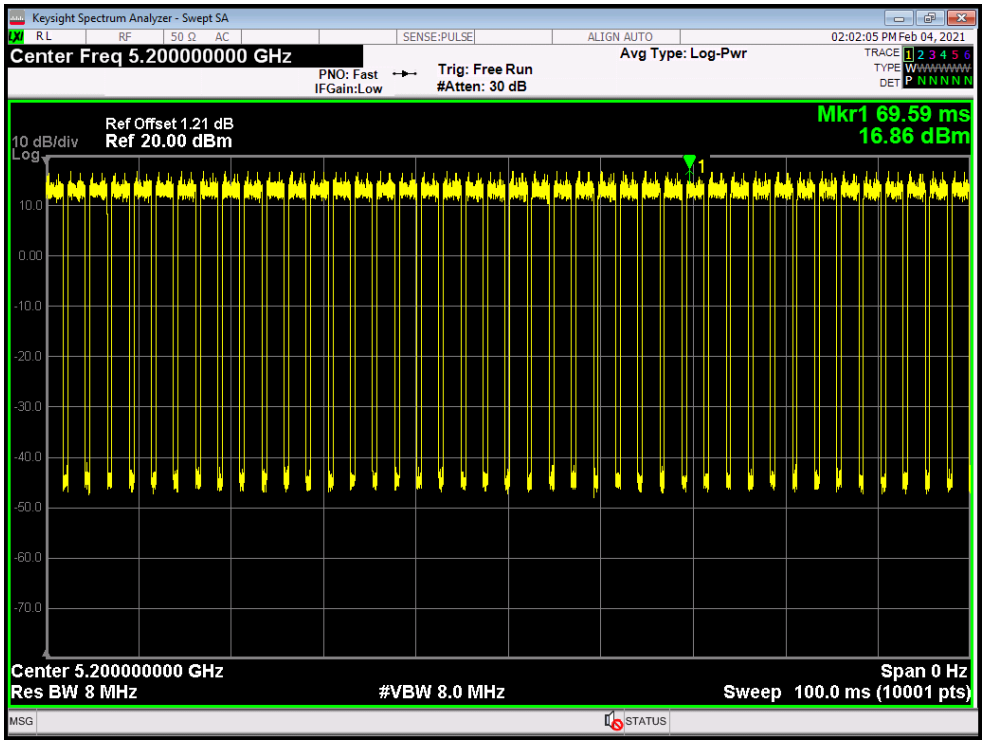
Duty Cycle NVNT n20 5240MHz Ant1



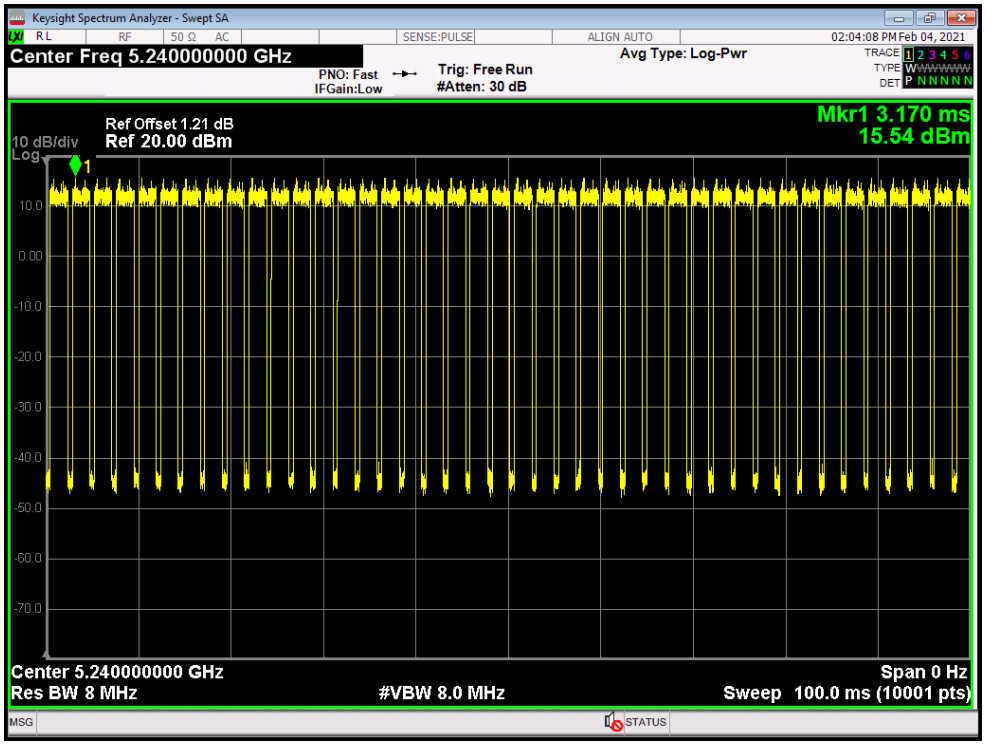
Duty Cycle NVNT n20 5180MHz Ant2



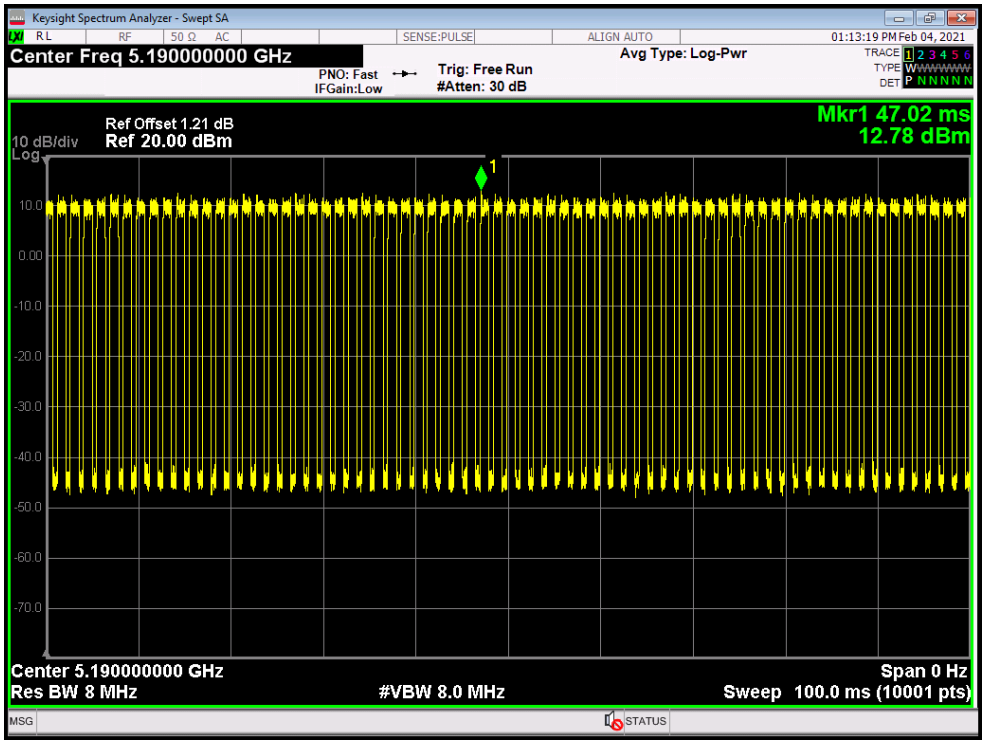
Duty Cycle NVNT n20 5200MHz Ant2



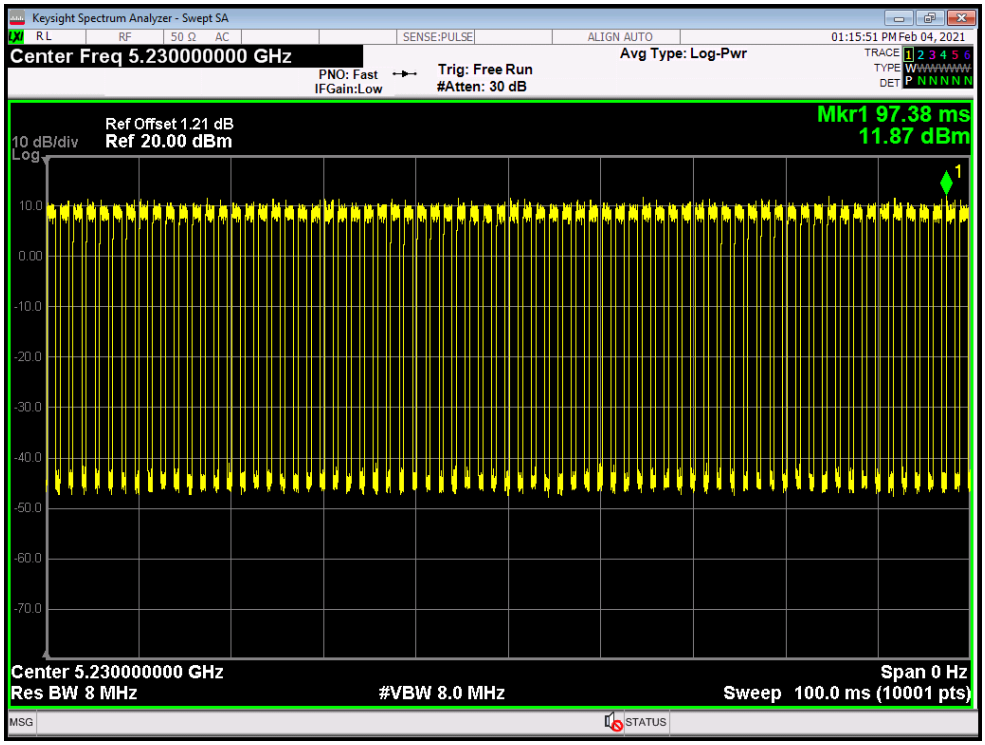
Duty Cycle NVNT n20 5240MHz Ant2



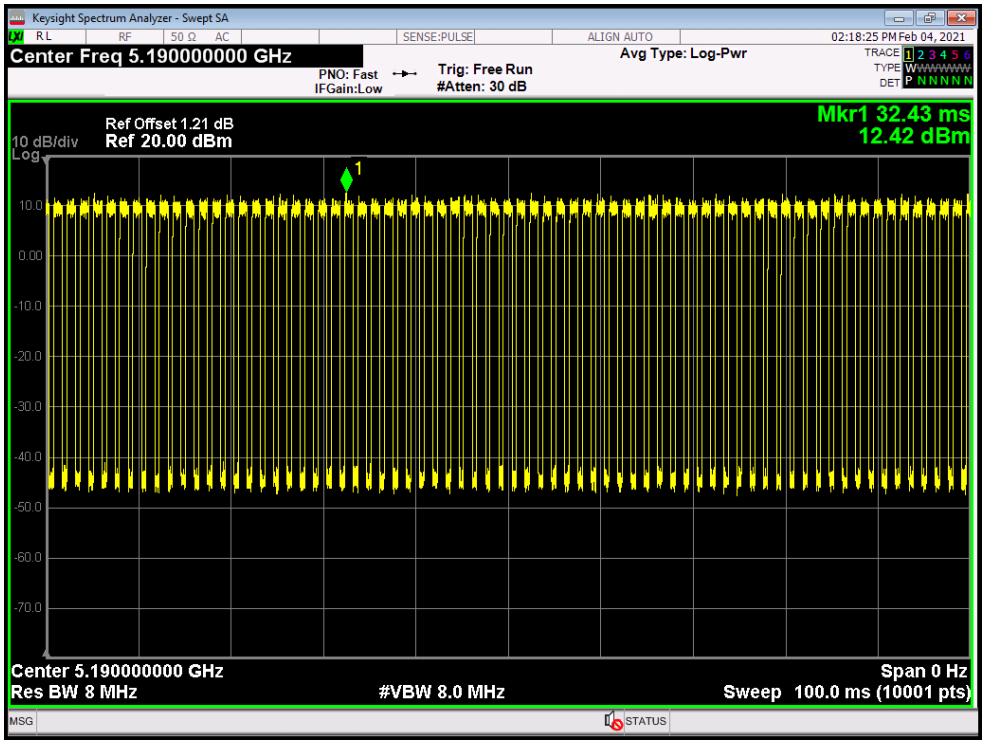
Duty Cycle NVNT n40 5190MHz Ant1



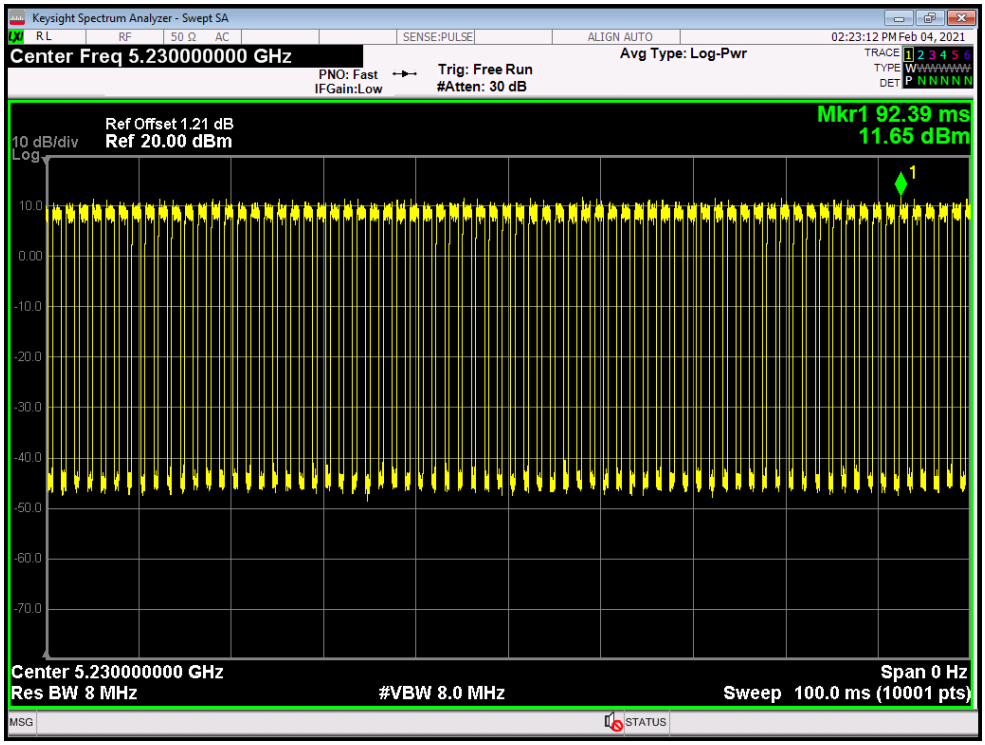
Duty Cycle NVNT n40 5230MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant2



Duty Cycle NVNT n40 5230MHz Ant2



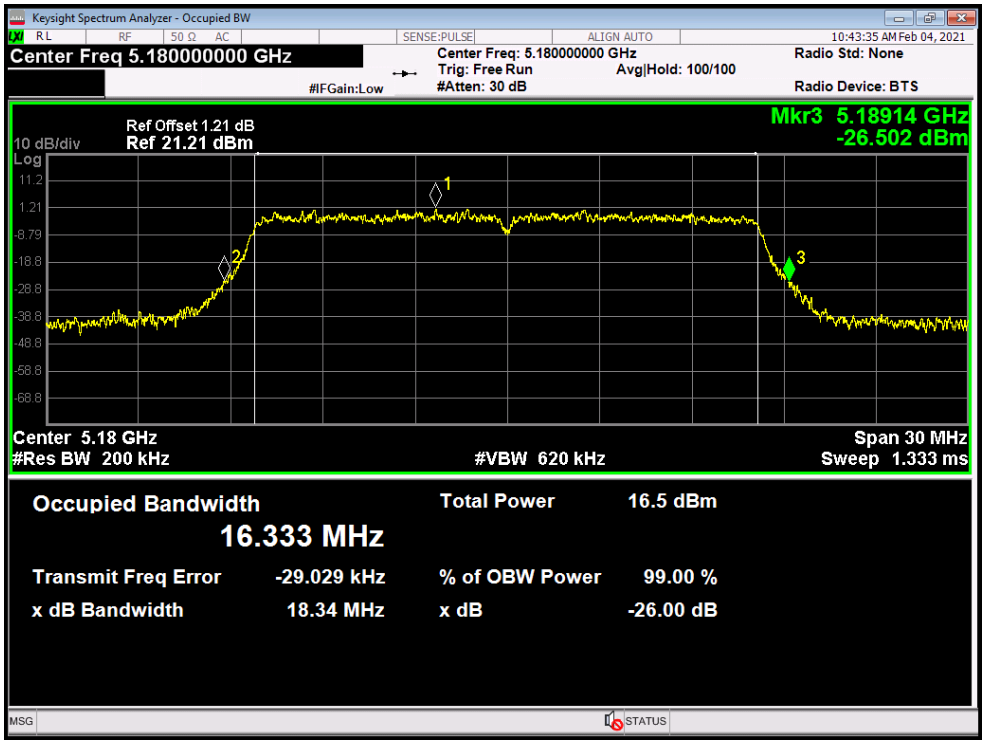
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.162	0	10.162	-	24	Pass
NVNT	a	5200	Ant1	10.188	0	10.188	-	24	Pass
NVNT	a	5240	Ant1	10.271	0	10.271	-	24	Pass
NVNT	a	5180	Ant2	11.32	0	11.32	-	24	Pass
NVNT	a	5200	Ant2	11.812	0	11.812	-	24	Pass
NVNT	a	5240	Ant2	11.367	0	11.367	-	24	Pass
NVNT	ac20	5180	Ant1	4.83	4.87	9.7	12.77	24	Pass
NVNT	ac20	5180	Ant2	4.946	4.87	9.816		24	Pass
NVNT	ac20	5200	Ant1	4.584	4.9	9.484	12.45	24	Pass
NVNT	ac20	5200	Ant2	4.515	4.87	9.385		24	Pass
NVNT	ac20	5240	Ant1	4.707	4.9	9.607	12.49	24	Pass
NVNT	ac20	5240	Ant2	4.477	4.88	9.357		24	Pass
NVNT	ac40	5190	Ant1	1.45	6.53	7.98	11.03	24	Pass
NVNT	ac40	5190	Ant2	1.526	6.53	8.056		24	Pass
NVNT	ac40	5230	Ant1	1.624	6.54	8.164	10.83	24	Pass
NVNT	ac40	5230	Ant2	0.909	6.54	7.449		24	Pass
NVNT	ac80	5210	Ant1	5.264	3.13	8.394	12.21	24	Pass
NVNT	ac80	5210	Ant2	6.747	3.13	9.877		24	Pass
NVNT	n20	5180	Ant1	9.599	0	9.599	12.86	24	Pass
NVNT	n20	5180	Ant2	10.082	0	10.082		24	Pass
NVNT	n20	5200	Ant1	8.775	1	9.775	13.02	24	Pass
NVNT	n20	5200	Ant2	9.25	0.98	10.23		24	Pass
NVNT	n20	5240	Ant1	8.657	1	9.657	12.46	24	Pass
NVNT	n20	5240	Ant2	8.233	1	9.233		24	Pass
NVNT	n40	5190	Ant1	7.511	1.82	9.331	12.11	24	Pass
NVNT	n40	5190	Ant2	7.031	1.83	8.861		24	Pass
NVNT	n40	5230	Ant1	7.259	1.82	9.079	11.49	24	Pass
NVNT	n40	5230	Ant2	5.956	1.83	7.786		24	Pass

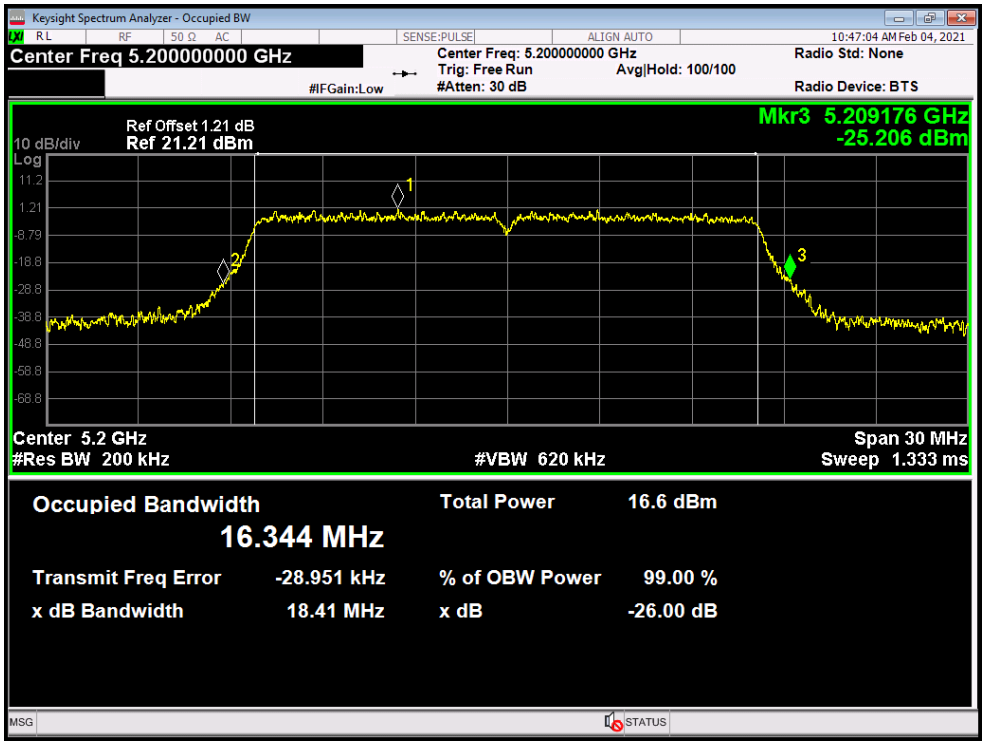
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	18.339	Pass
NVNT	a	5200	Ant1	18.41	Pass
NVNT	a	5240	Ant1	18.347	Pass
NVNT	a	5180	Ant2	18.203	Pass
NVNT	a	5200	Ant2	18.328	Pass
NVNT	a	5240	Ant2	18.385	Pass
NVNT	ac20	5180	Ant1	19.205	Pass
NVNT	ac20	5200	Ant1	19.248	Pass
NVNT	ac20	5240	Ant1	18.909	Pass
NVNT	ac20	5180	Ant2	19.173	Pass
NVNT	ac20	5200	Ant2	19.072	Pass
NVNT	ac20	5240	Ant2	19.189	Pass
NVNT	ac40	5190	Ant1	39.822	Pass
NVNT	ac40	5230	Ant1	39.698	Pass
NVNT	ac40	5190	Ant2	39.519	Pass
NVNT	ac40	5230	Ant2	39.738	Pass
NVNT	ac80	5210	Ant1	80.646	Pass
NVNT	ac80	5210	Ant2	80.372	Pass
NVNT	n20	5180	Ant1	19.146	Pass
NVNT	n20	5200	Ant1	19.277	Pass
NVNT	n20	5240	Ant1	19.235	Pass
NVNT	n20	5180	Ant2	19.098	Pass
NVNT	n20	5200	Ant2	19.36	Pass
NVNT	n20	5240	Ant2	19.275	Pass
NVNT	n40	5190	Ant1	41.162	Pass
NVNT	n40	5230	Ant1	41.832	Pass
NVNT	n40	5190	Ant2	40.988	Pass
NVNT	n40	5230	Ant2	41.686	Pass

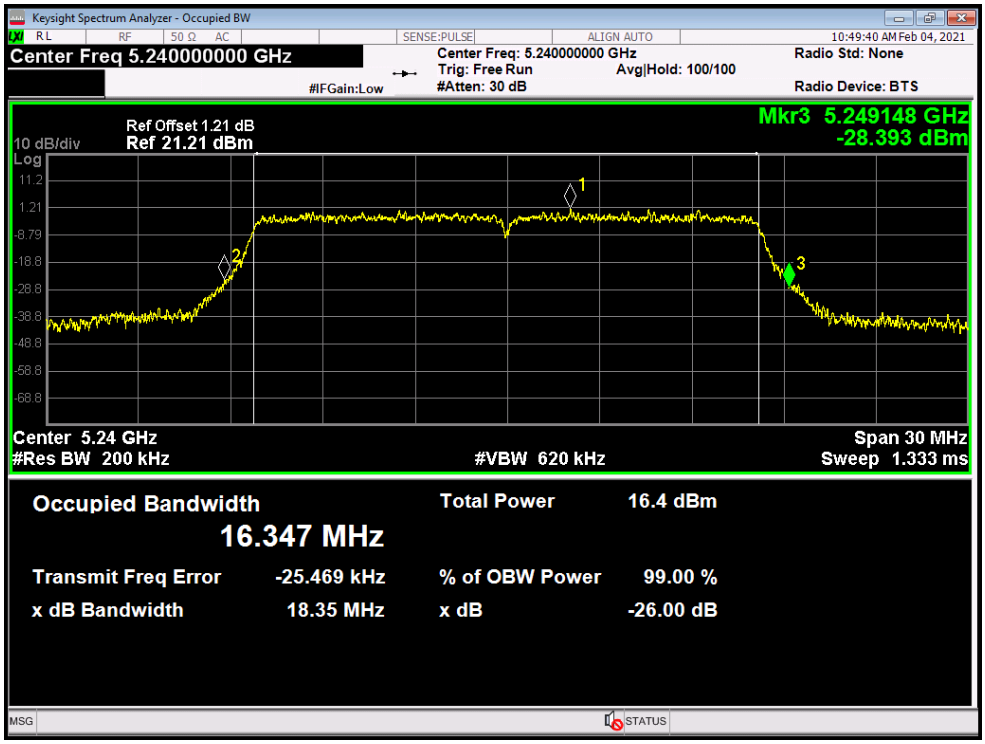
-26dB Bandwidth NVNT a 5180MHz Ant1



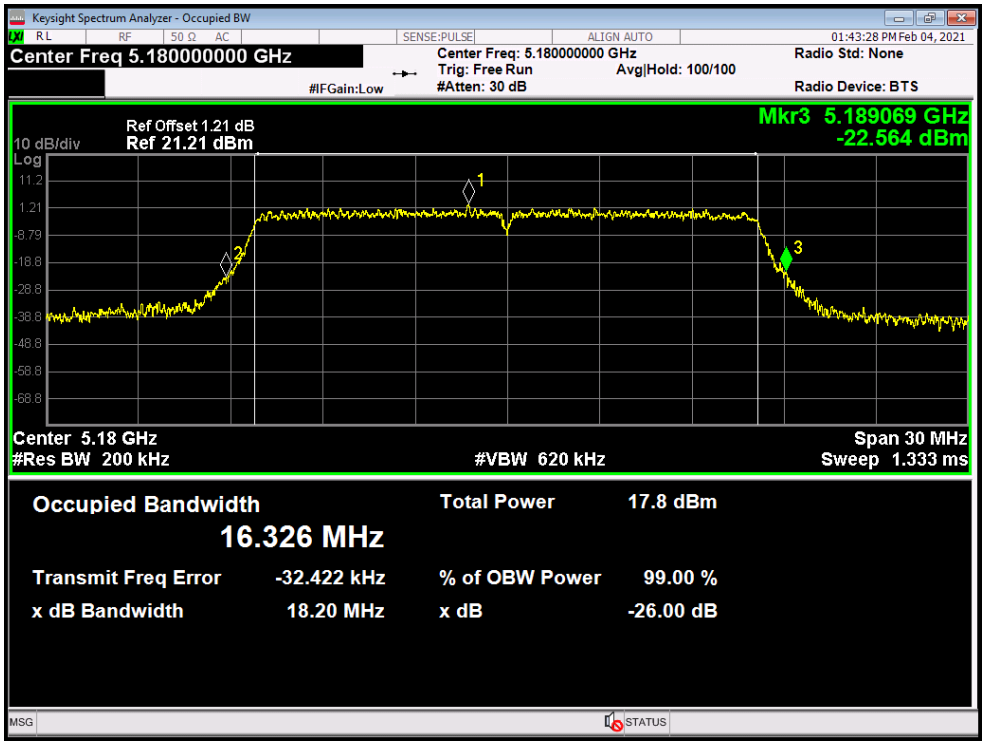
-26dB Bandwidth NVNT a 5200MHz Ant1



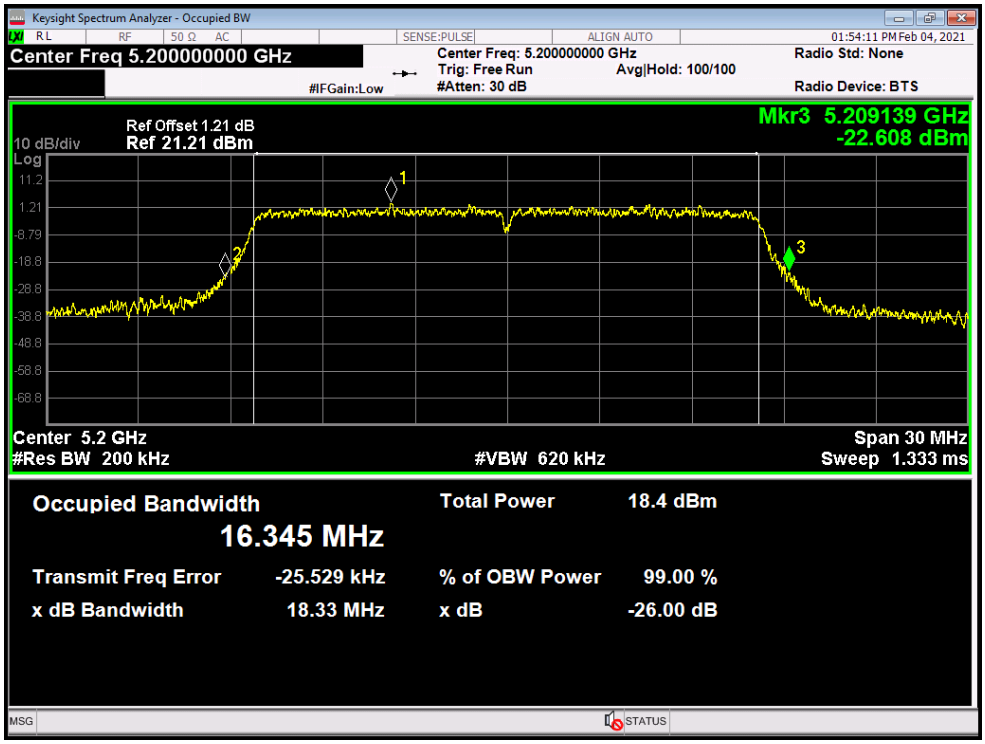
-26dB Bandwidth NVNT a 5240MHz Ant1



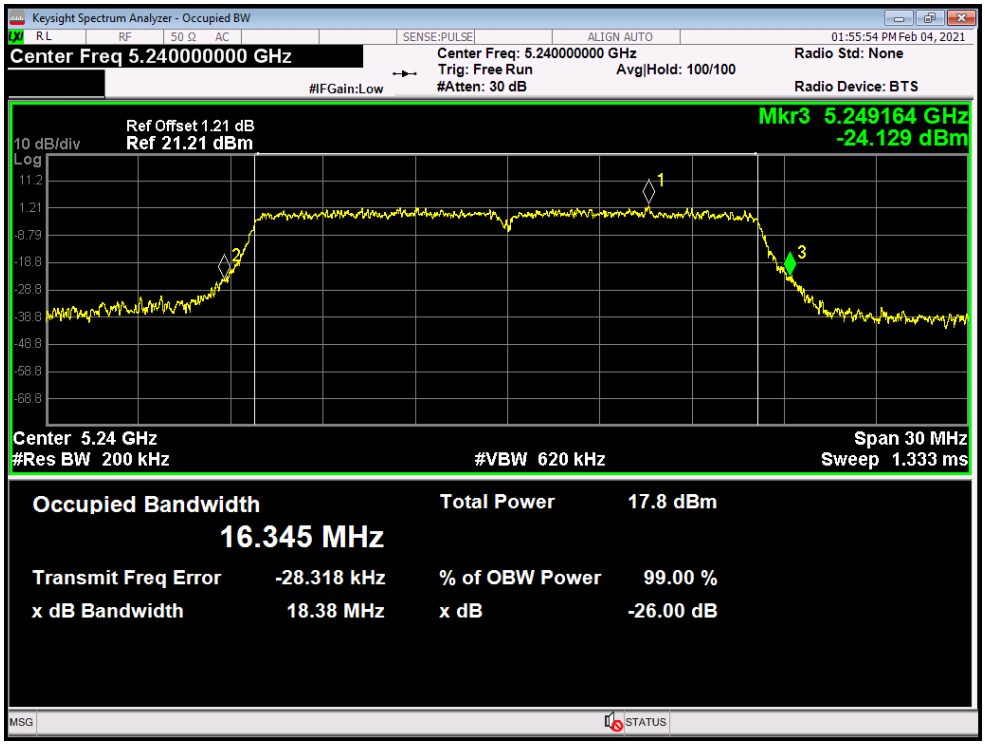
-26dB Bandwidth NVNT a 5180MHz Ant2



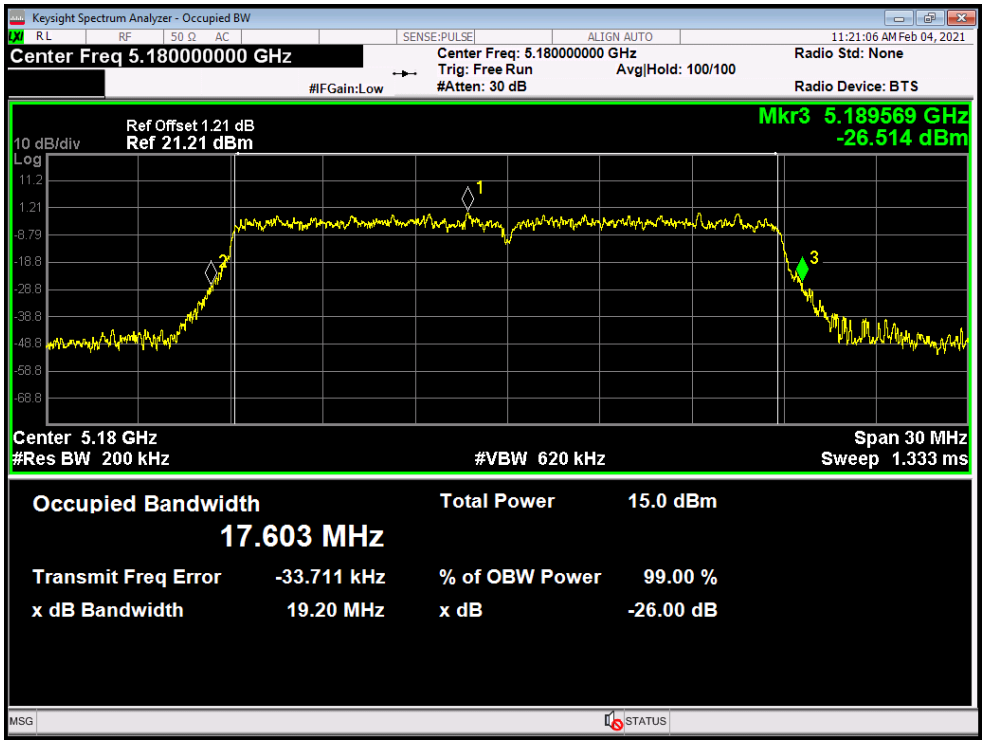
-26dB Bandwidth NVNT a 5200MHz Ant2



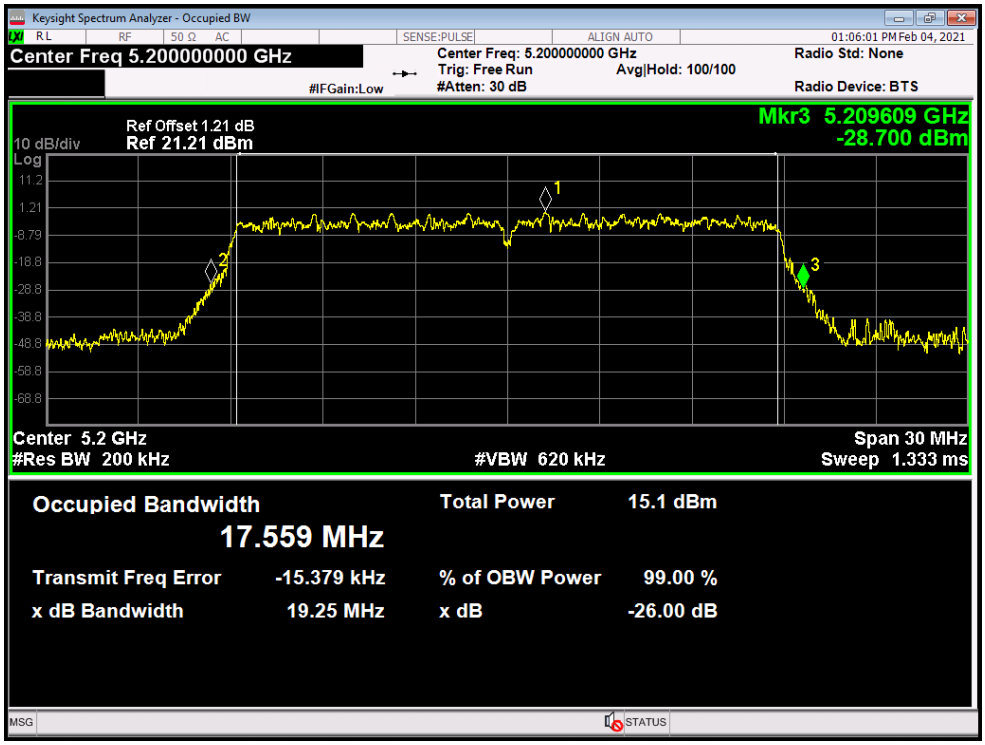
-26dB Bandwidth NVNT a 5240MHz Ant2



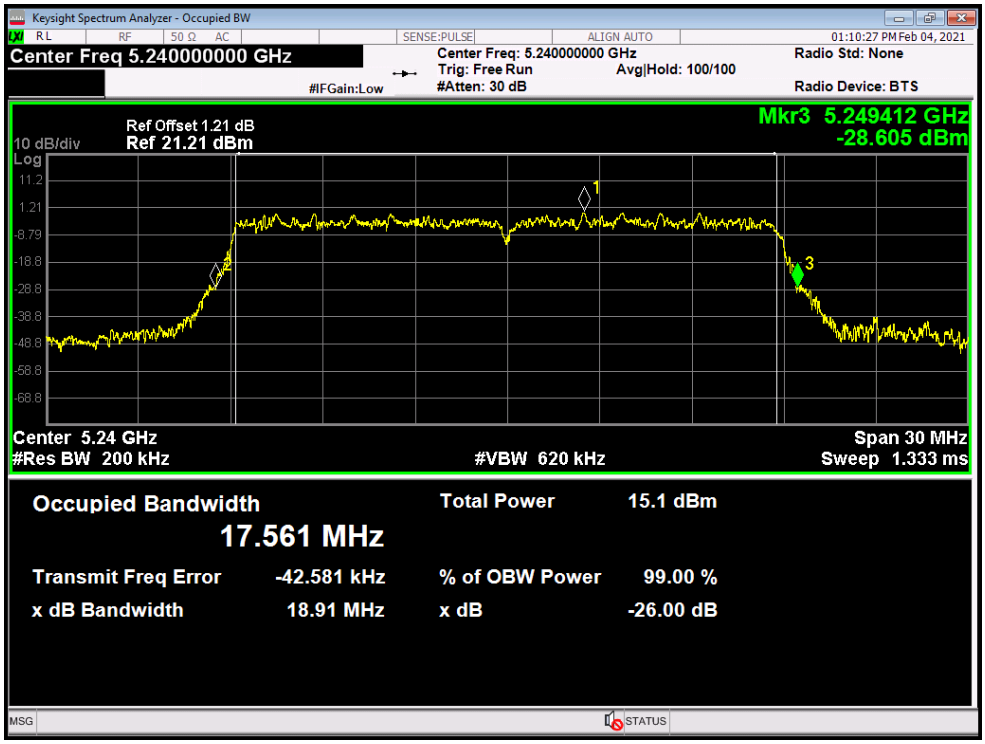
-26dB Bandwidth NVNT ac20 5180MHz Ant1



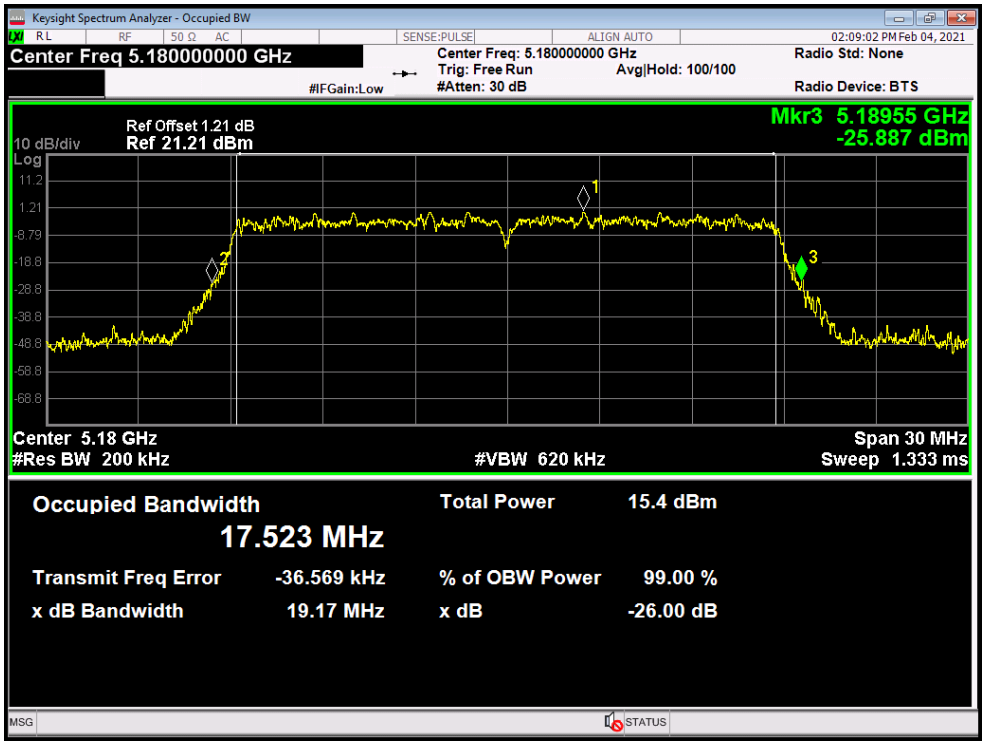
-26dB Bandwidth NVNT ac20 5200MHz Ant1



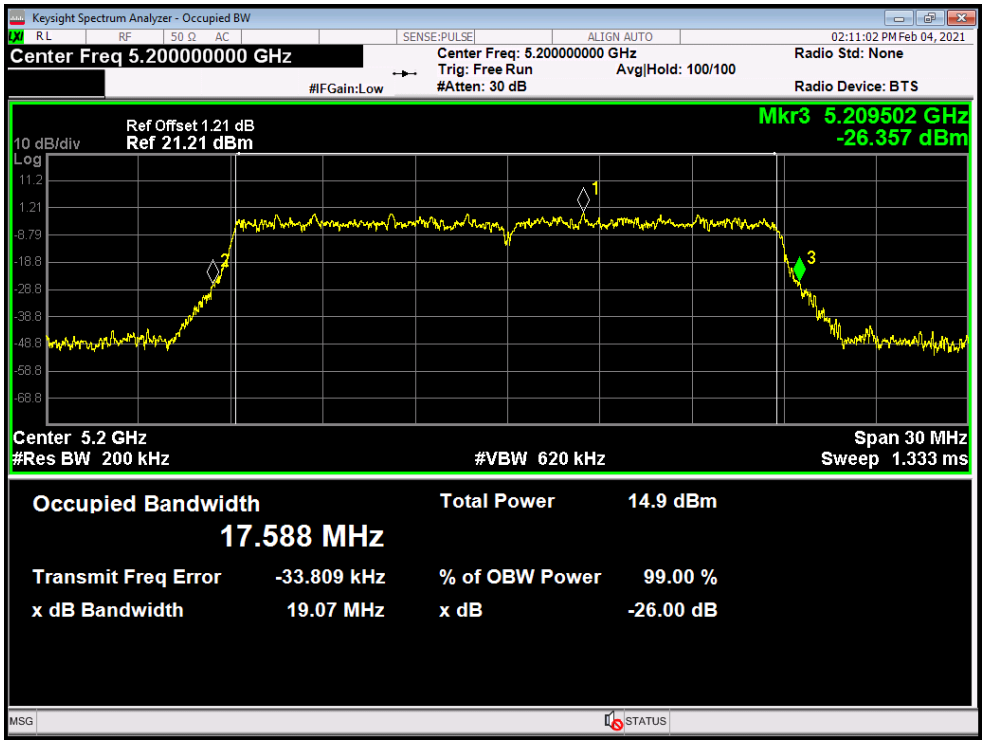
-26dB Bandwidth NVNT ac20 5240MHz Ant1



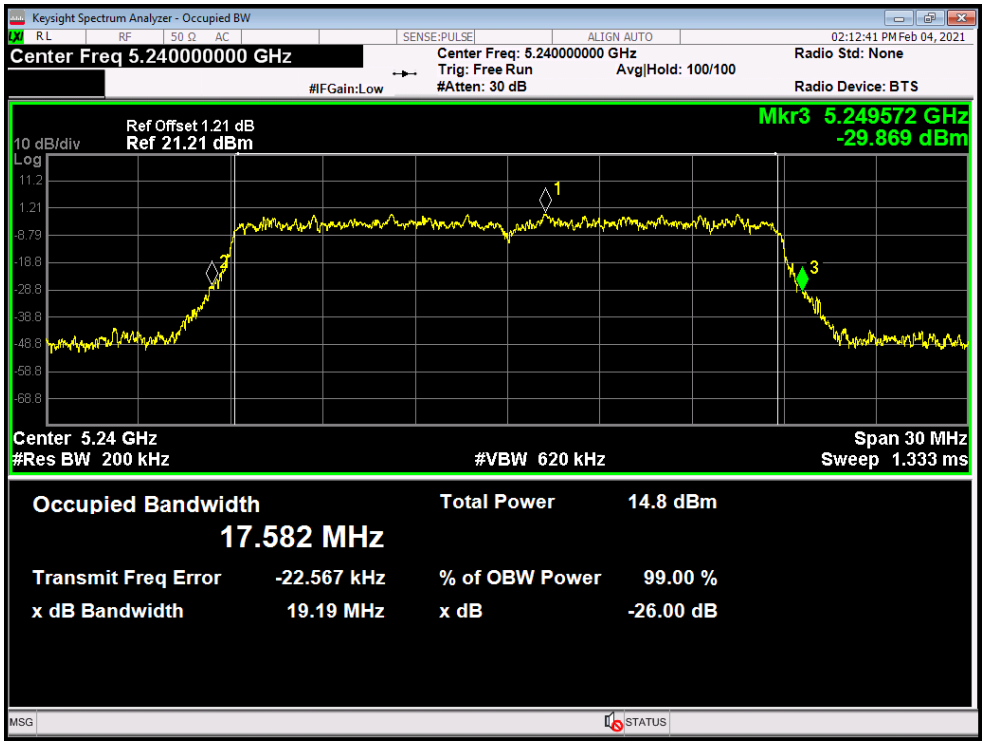
-26dB Bandwidth NVNT ac20 5180MHz Ant2



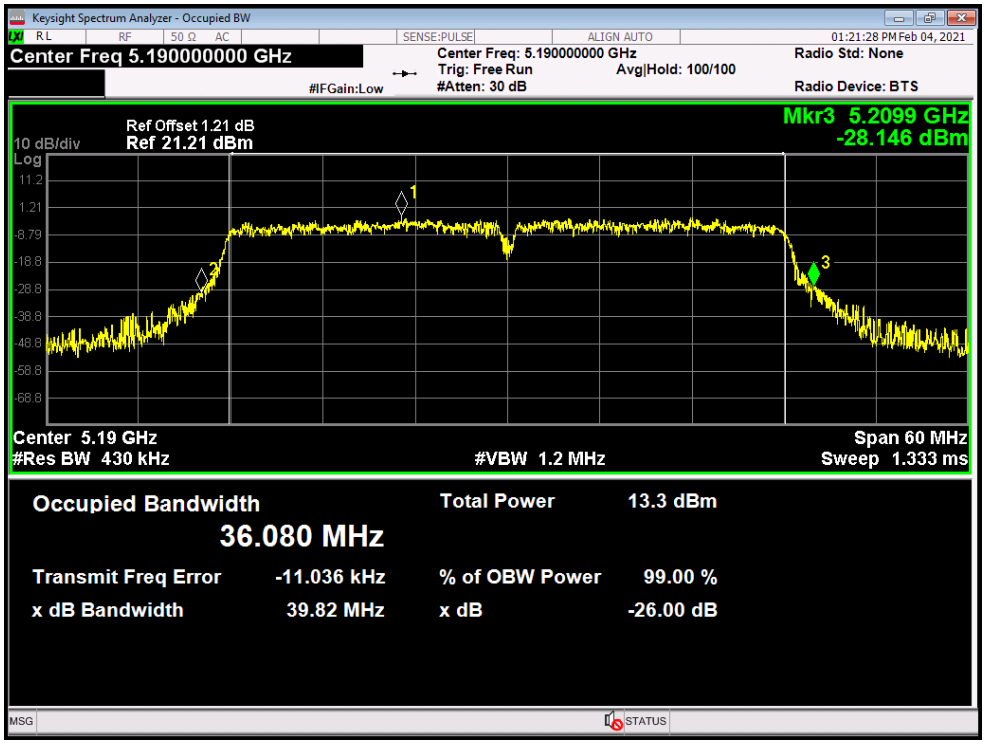
-26dB Bandwidth NVNT ac20 5200MHz Ant2



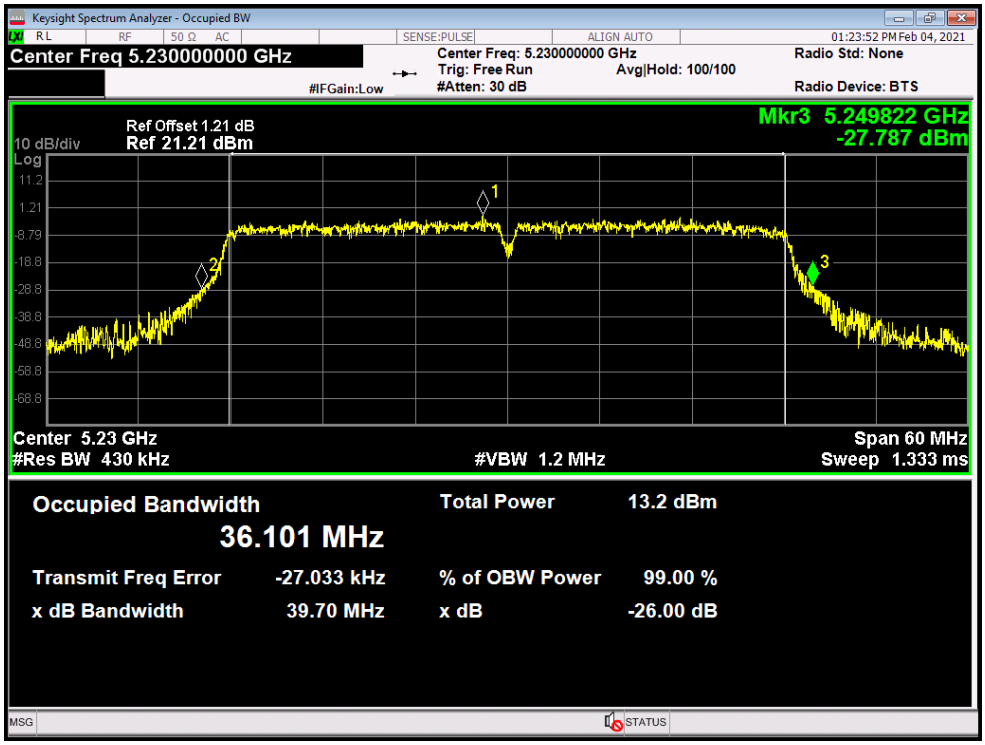
-26dB Bandwidth NVNT ac20 5240MHz Ant2



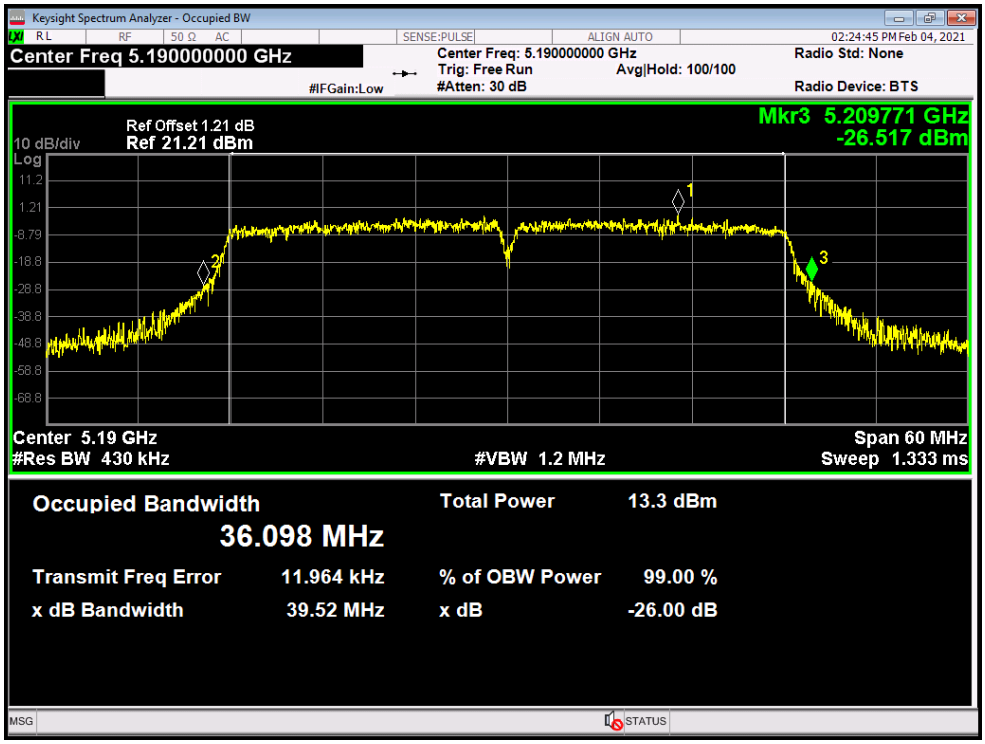
-26dB Bandwidth NVNT ac40 5190MHz Ant1



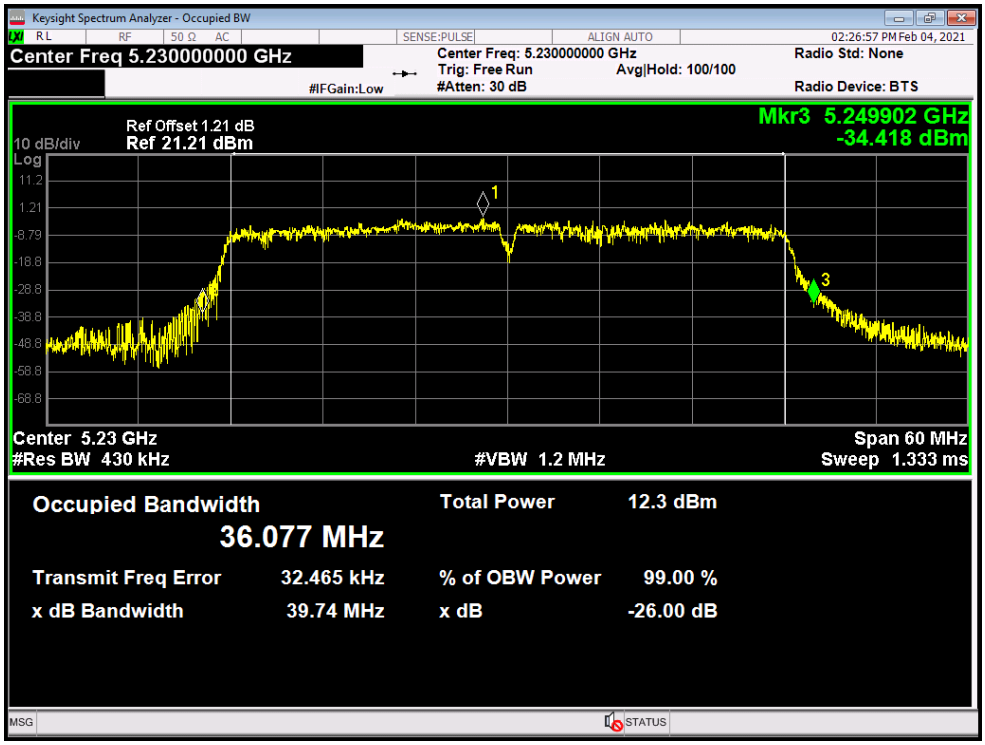
-26dB Bandwidth NVNT ac40 5230MHz Ant1



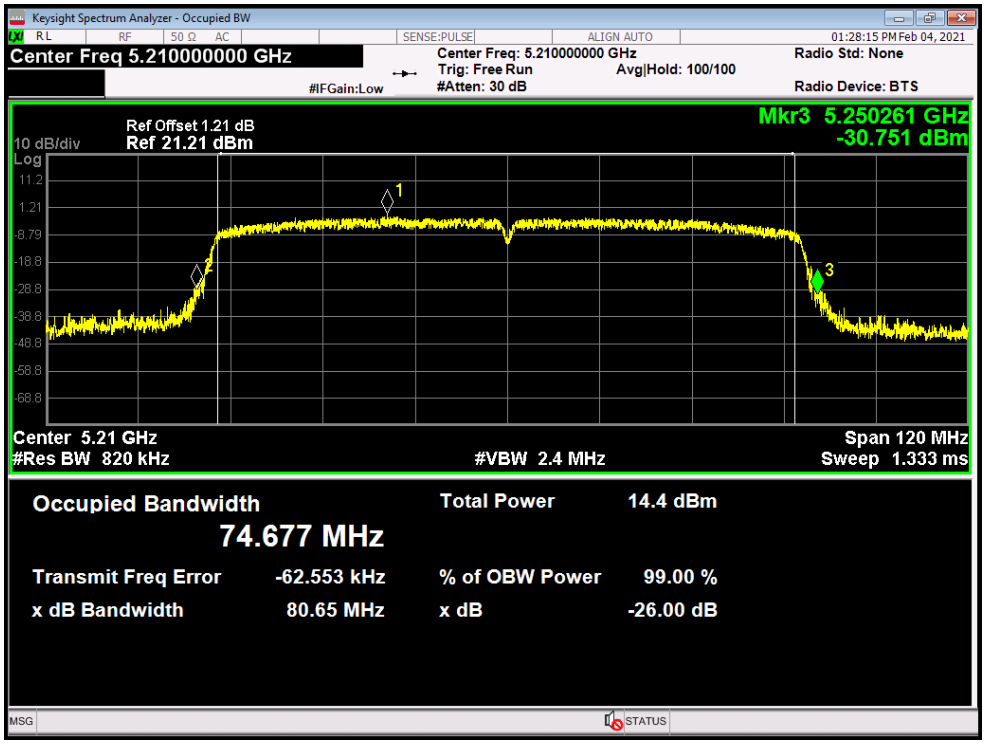
-26dB Bandwidth NVNT ac40 5190MHz Ant2



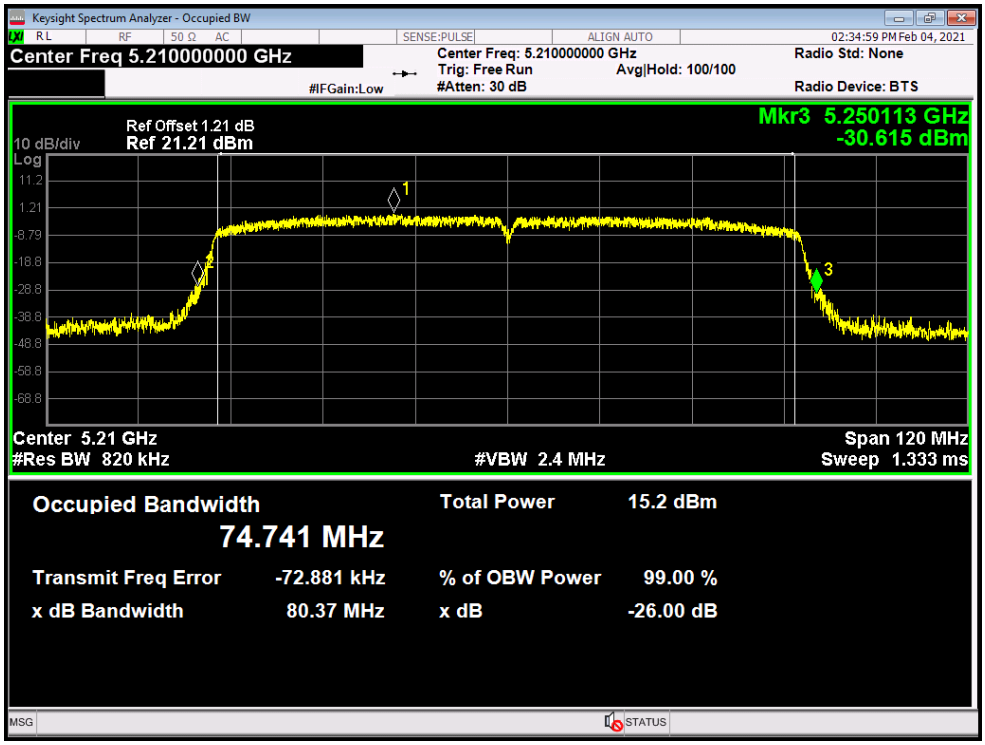
-26dB Bandwidth NVNT ac40 5230MHz Ant2



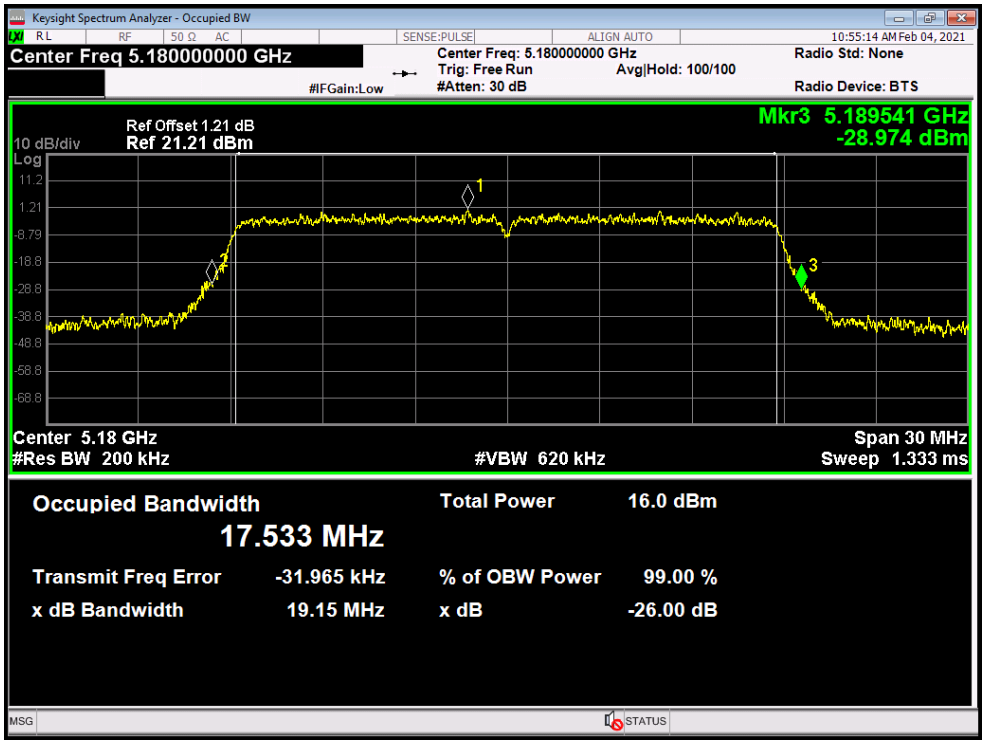
-26dB Bandwidth NVNT ac80 5210MHz Ant1



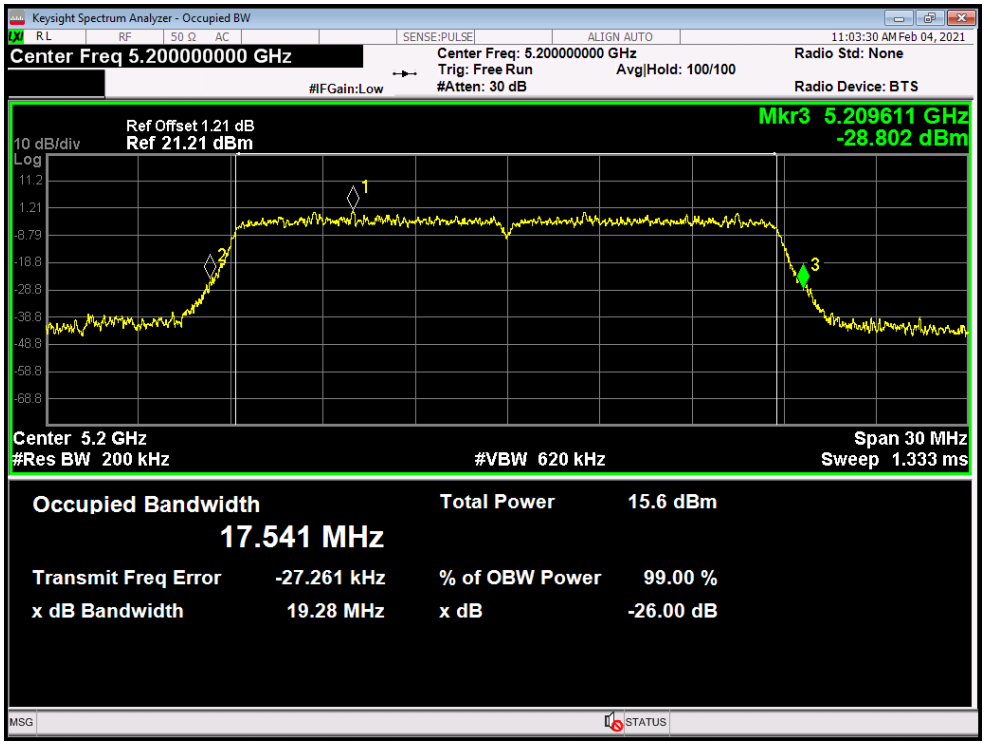
-26dB Bandwidth NVNT ac80 5210MHz Ant2



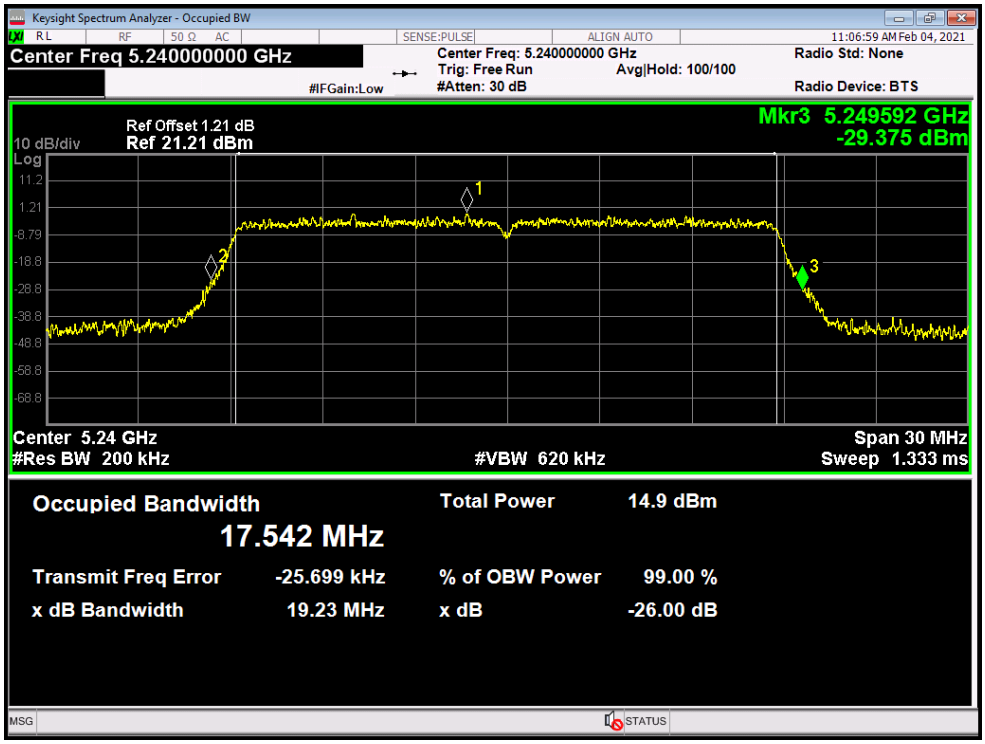
-26dB Bandwidth NVNT n20 5180MHz Ant1



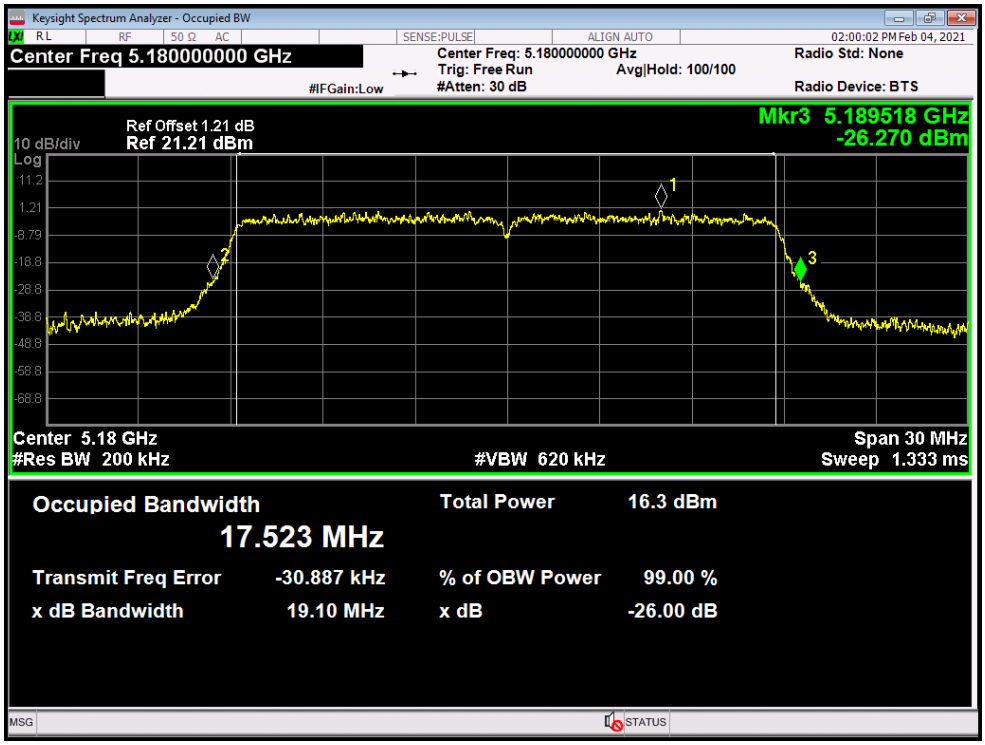
-26dB Bandwidth NVNT n20 5200MHz Ant1



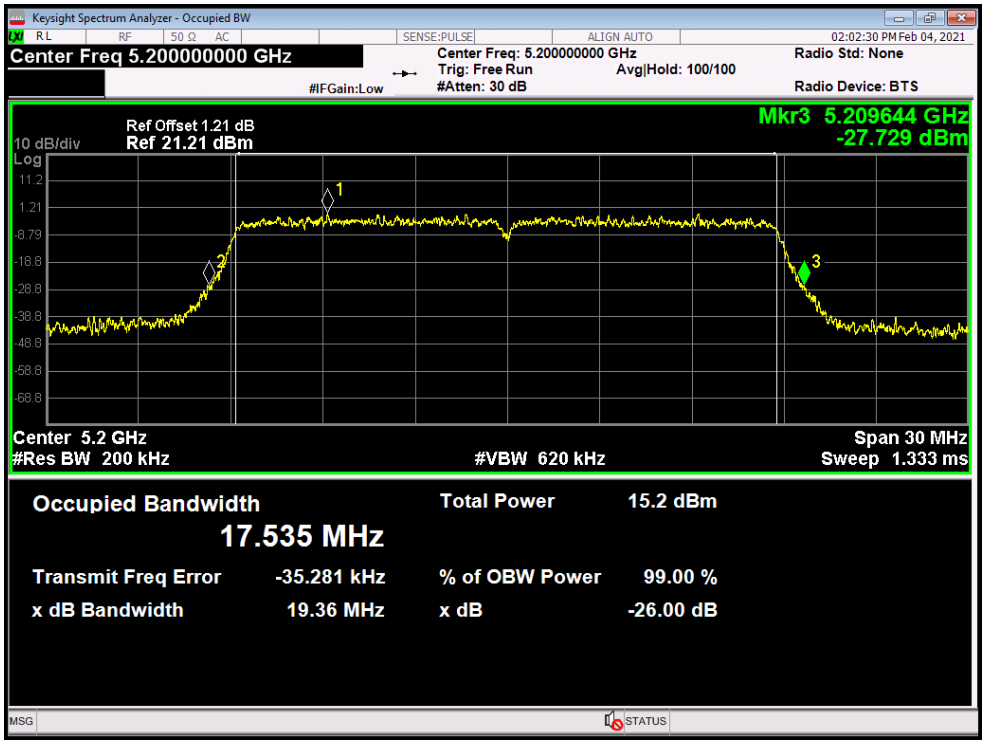
-26dB Bandwidth NVNT n20 5240MHz Ant1



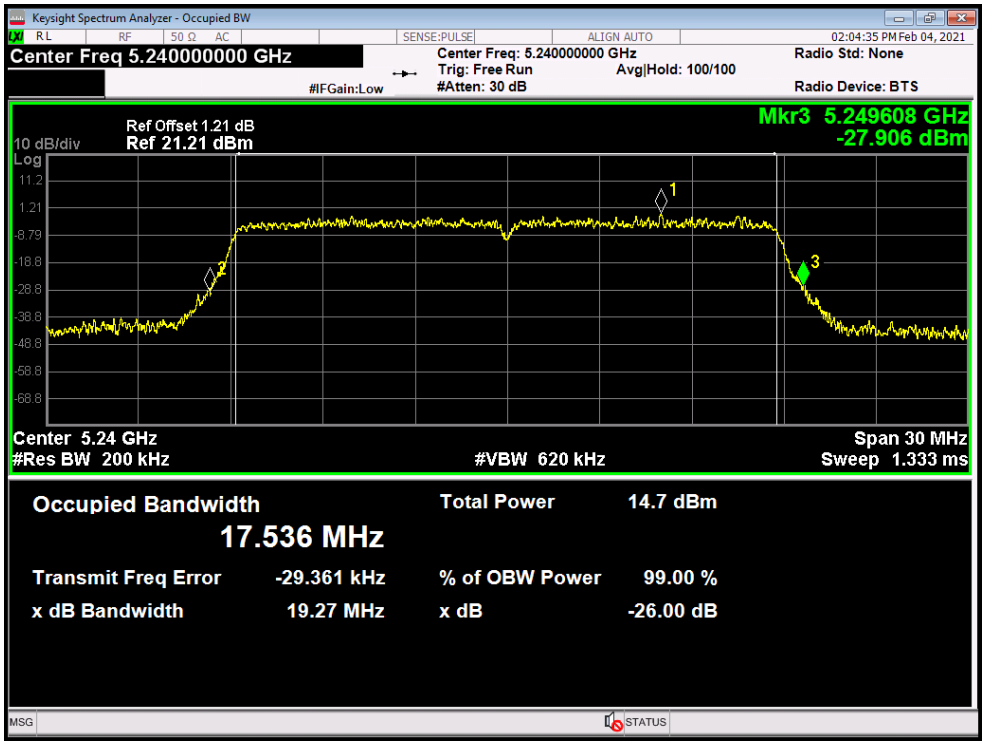
-26dB Bandwidth NVNT n20 5180MHz Ant2



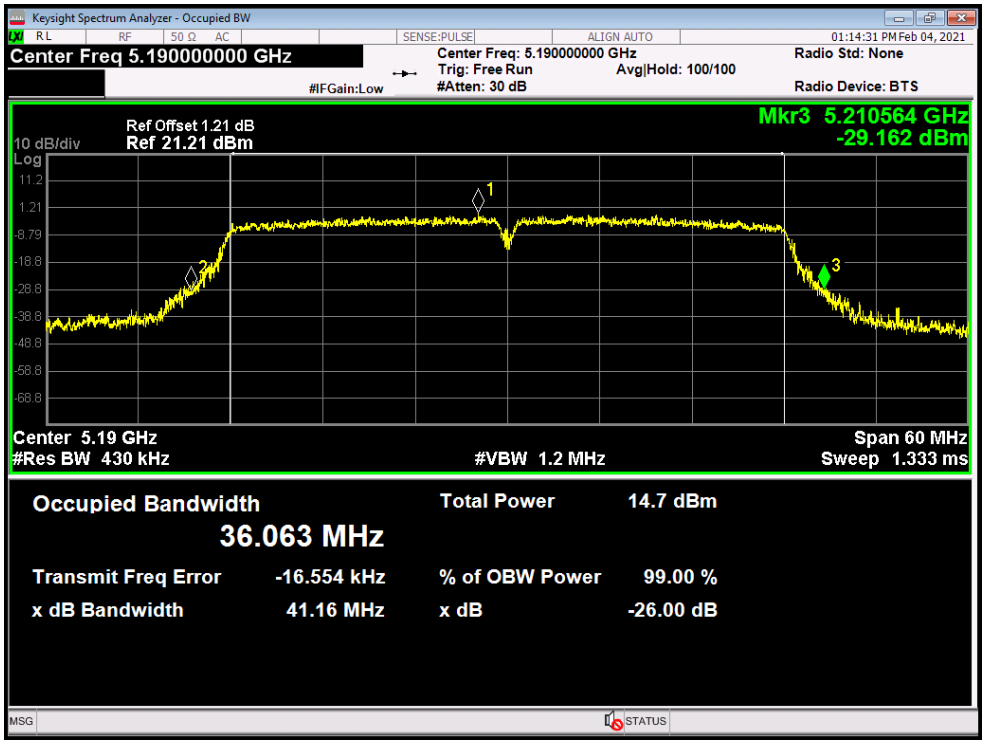
-26dB Bandwidth NVNT n20 5200MHz Ant2



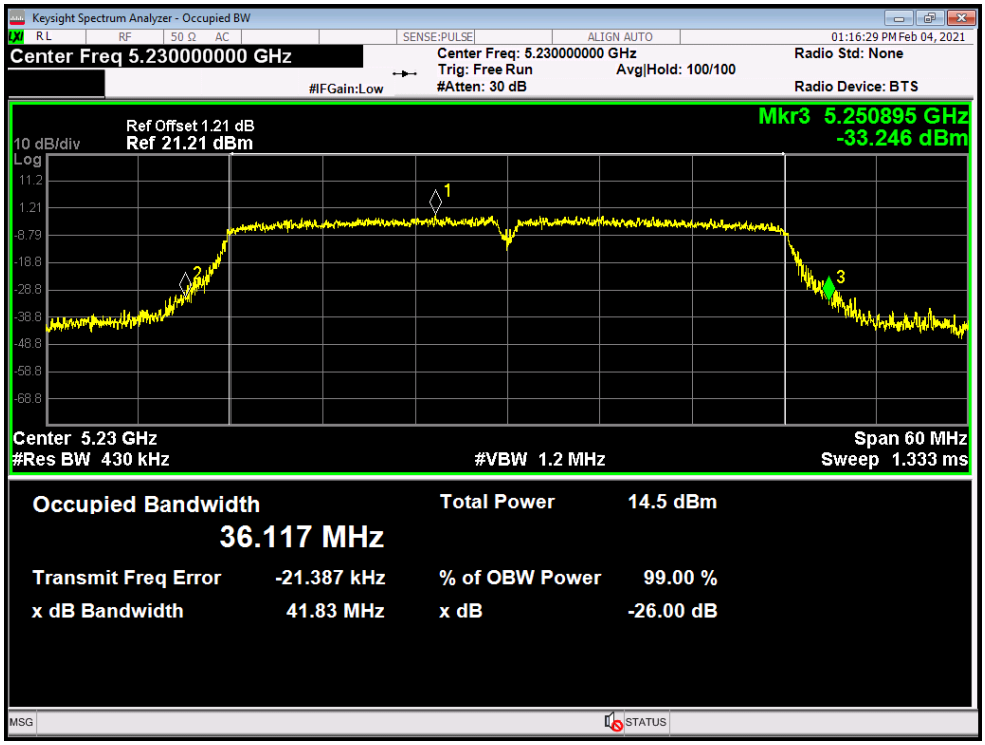
-26dB Bandwidth NVNT n20 5240MHz Ant2



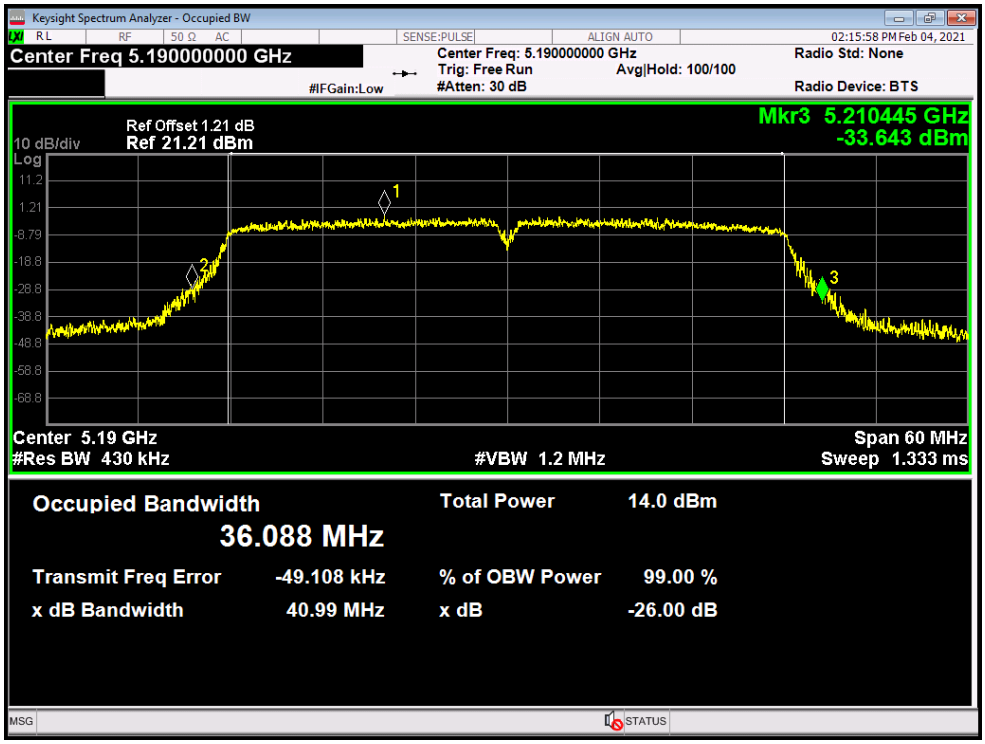
-26dB Bandwidth NVNT n40 5190MHz Ant1



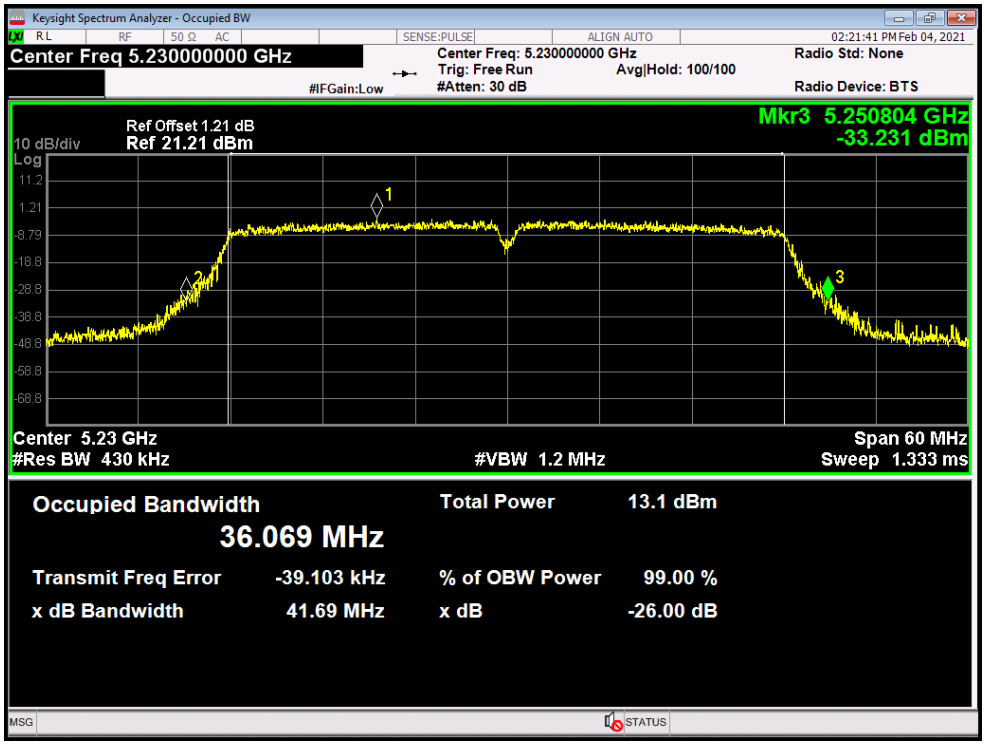
-26dB Bandwidth NVNT n40 5230MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant2



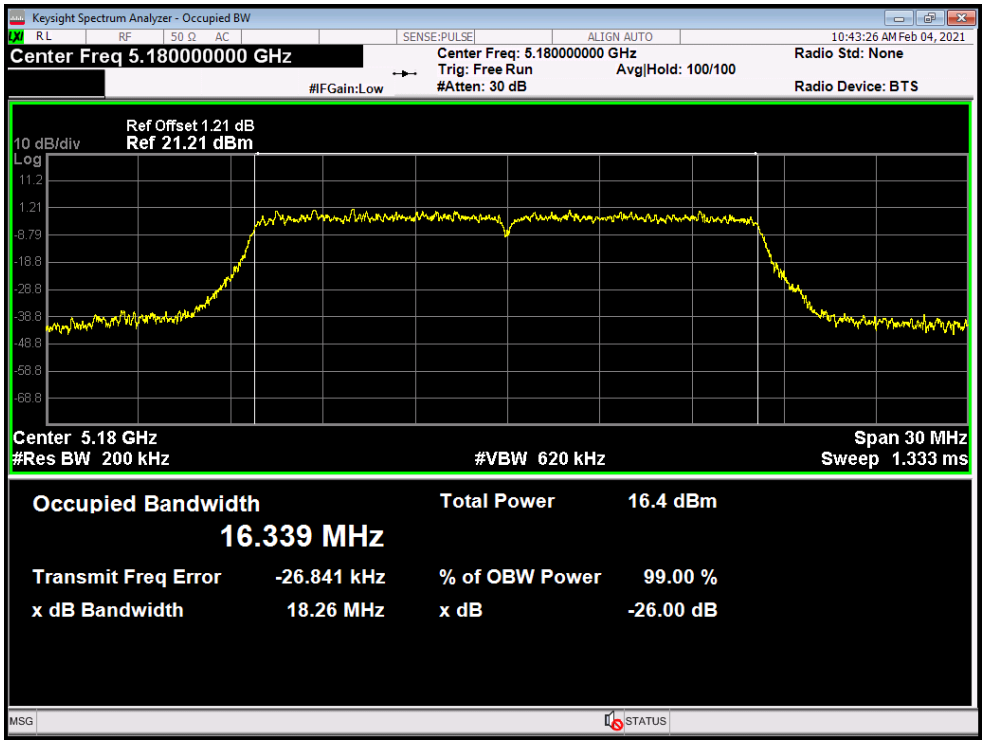
-26dB Bandwidth NVNT n40 5230MHz Ant2



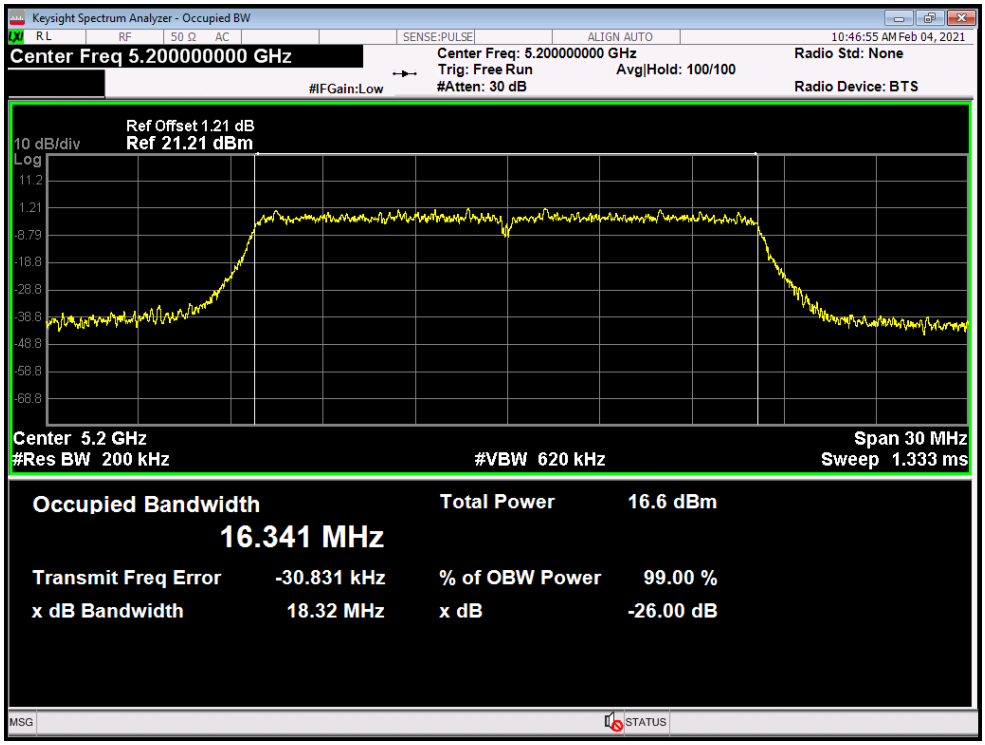
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.339
NVNT	a	5200	Ant1	16.341
NVNT	a	5240	Ant1	16.339
NVNT	a	5180	Ant2	16.344
NVNT	a	5200	Ant2	16.349
NVNT	a	5240	Ant2	16.354
NVNT	ac20	5180	Ant1	17.592
NVNT	ac20	5200	Ant1	17.608
NVNT	ac20	5240	Ant1	17.556
NVNT	ac20	5180	Ant2	17.572
NVNT	ac20	5200	Ant2	17.565
NVNT	ac20	5240	Ant2	17.577
NVNT	ac40	5190	Ant1	36.074
NVNT	ac40	5230	Ant1	36.022
NVNT	ac40	5190	Ant2	36.07
NVNT	ac40	5230	Ant2	36.042
NVNT	ac80	5210	Ant1	74.682
NVNT	ac80	5210	Ant2	74.823
NVNT	n20	5180	Ant1	17.537
NVNT	n20	5200	Ant1	17.541
NVNT	n20	5240	Ant1	17.529
NVNT	n20	5180	Ant2	17.536
NVNT	n20	5200	Ant2	17.536
NVNT	n20	5240	Ant2	17.531
NVNT	n40	5190	Ant1	36.089
NVNT	n40	5230	Ant1	36.134
NVNT	n40	5190	Ant2	36.052
NVNT	n40	5230	Ant2	36.126

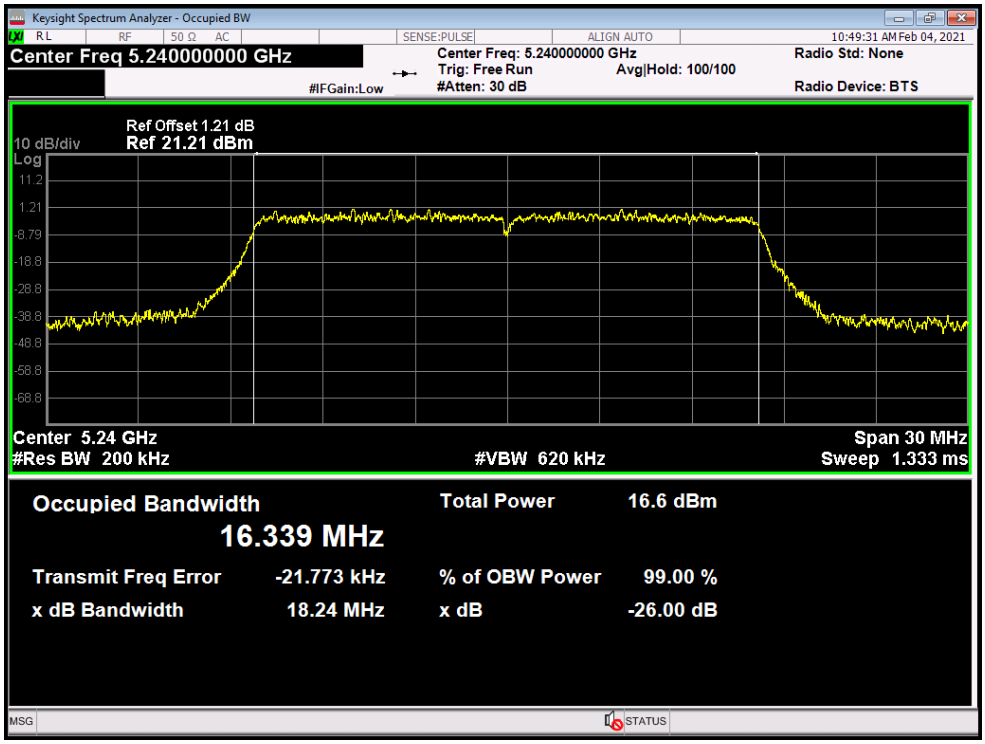
OBW NVNT a 5180MHz Ant1



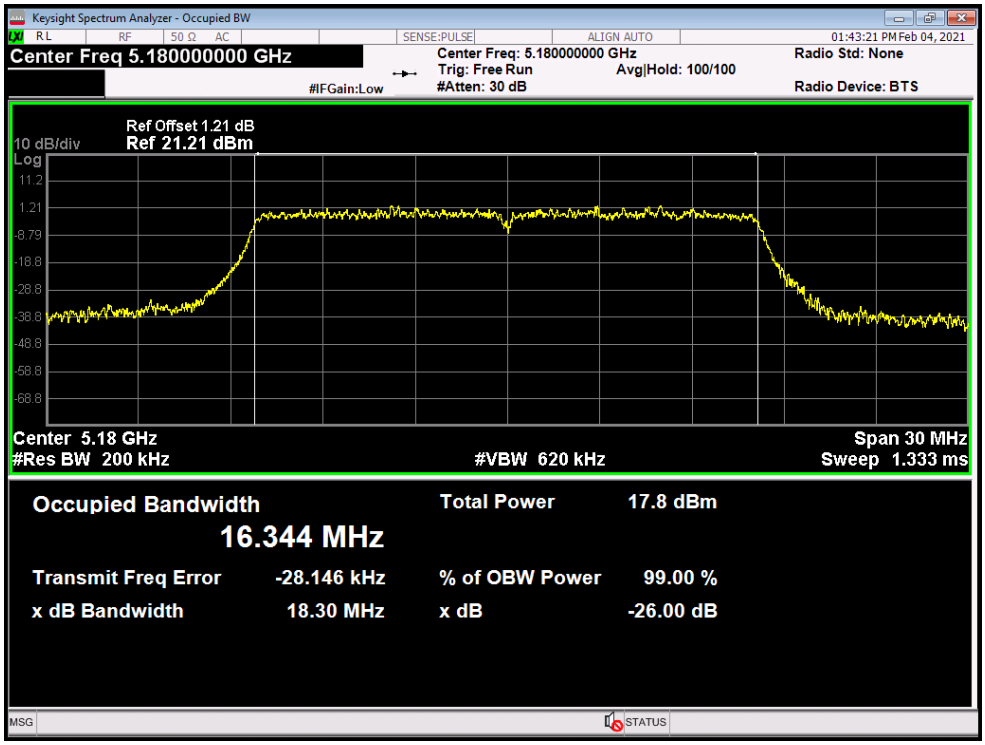
OBW NVNT a 5200MHz Ant1



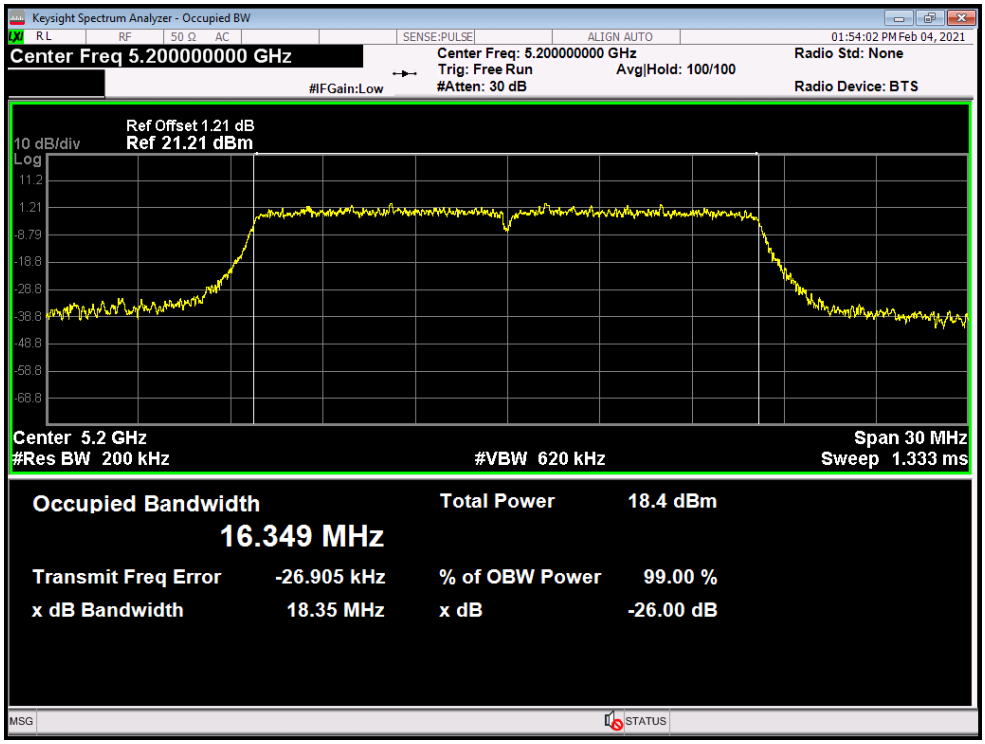
OBW NVNT a 5240MHz Ant1



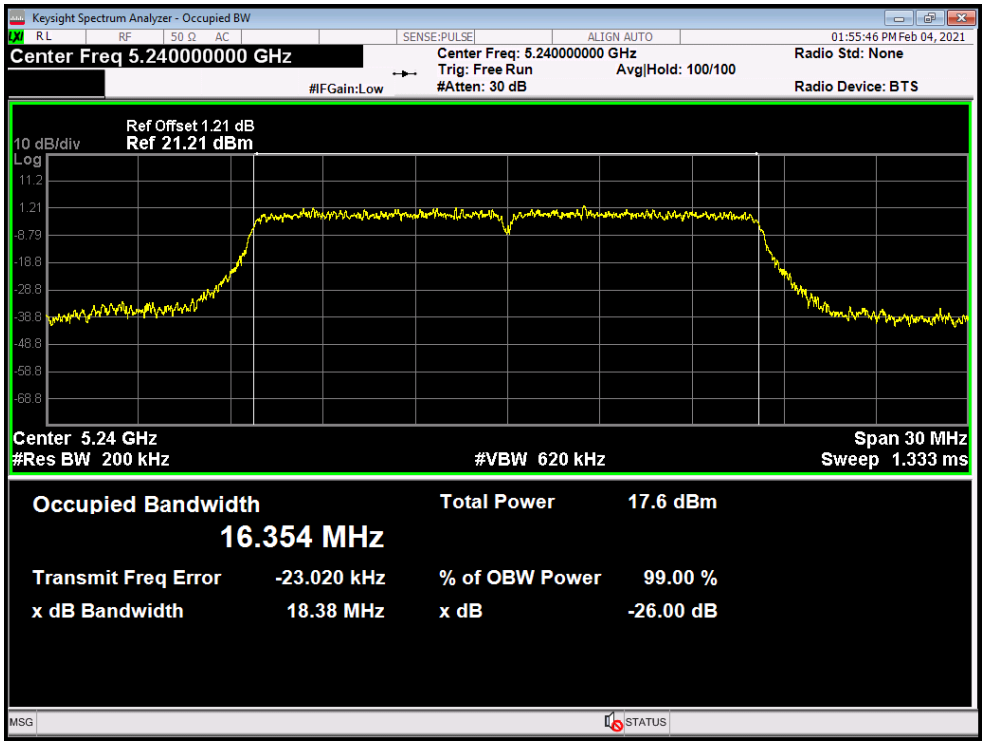
OBW NVNT a 5180MHz Ant2



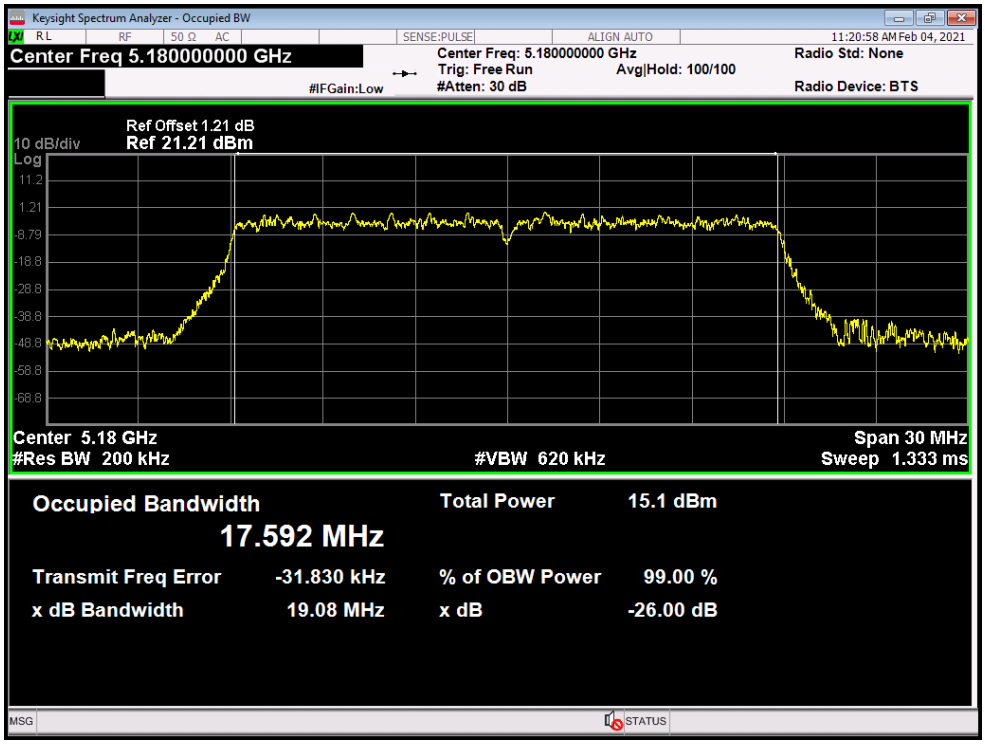
OBW NVNT a 5200MHz Ant2



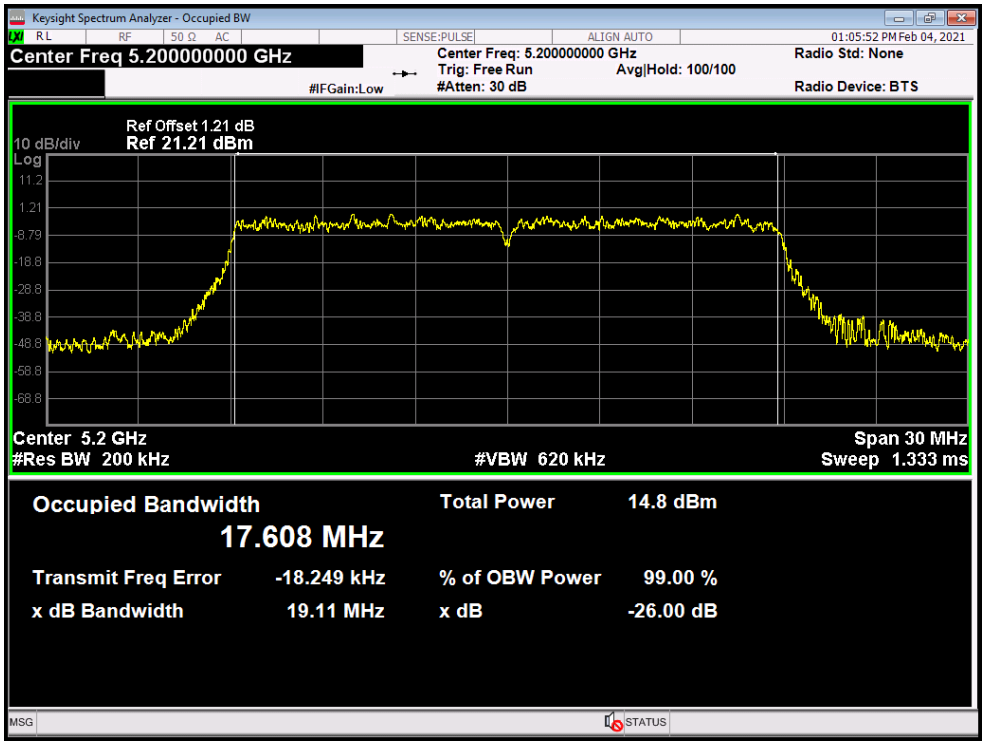
OBW NVNT a 5240MHz Ant2



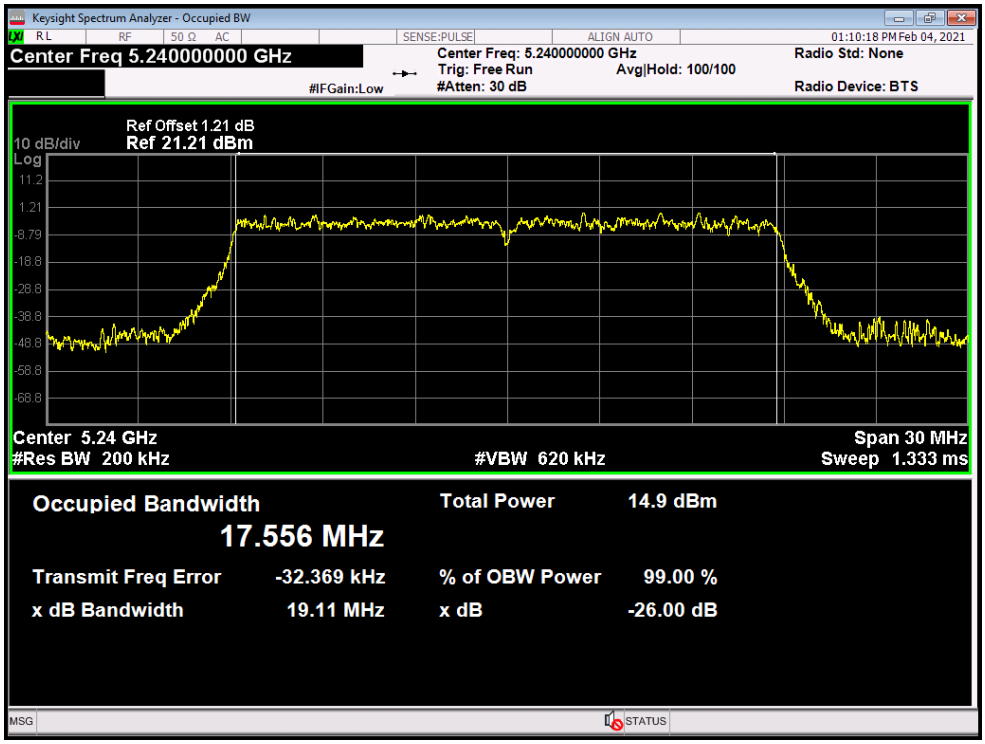
OBW NVNT ac20 5180MHz Ant1



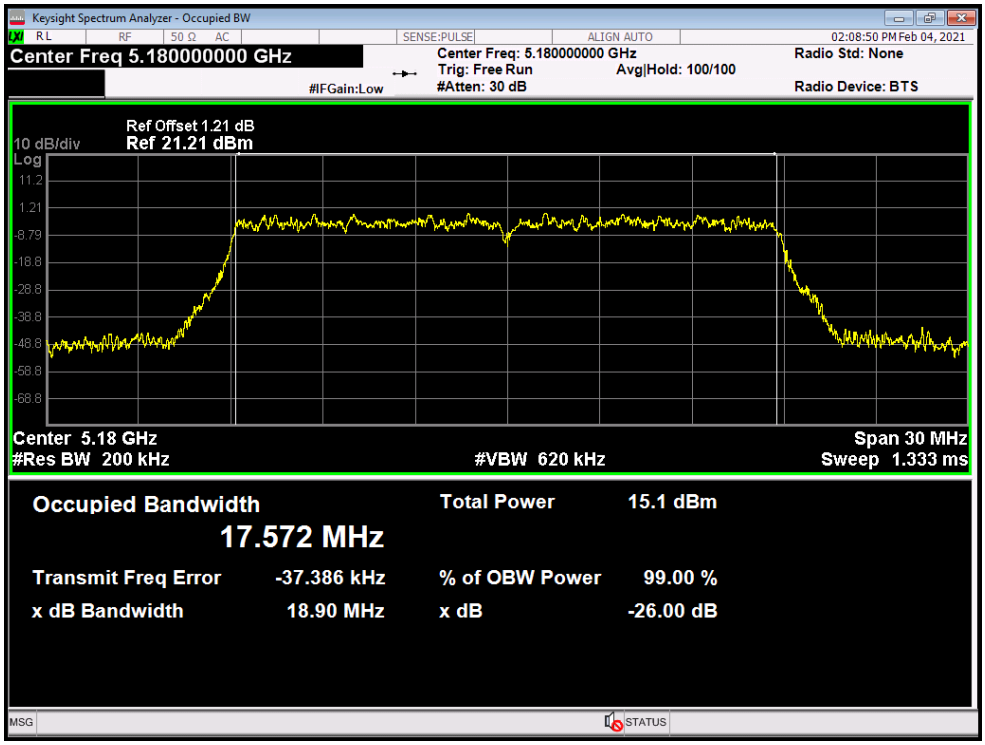
OBW NVNT ac20 5200MHz Ant1



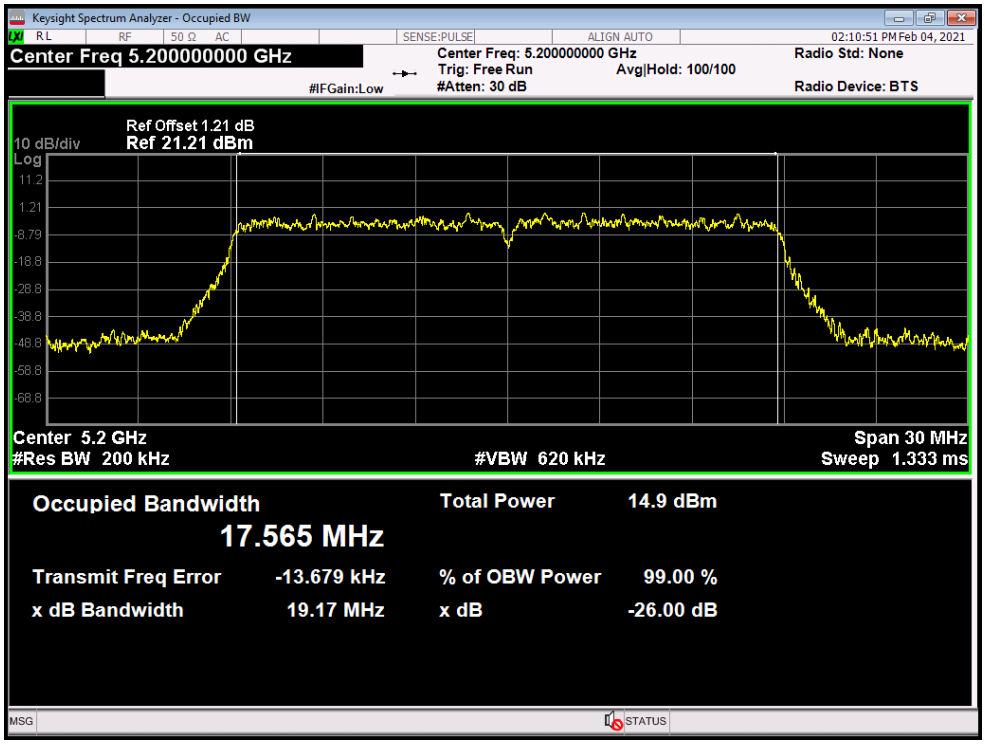
OBW NVNT ac20 5240MHz Ant1



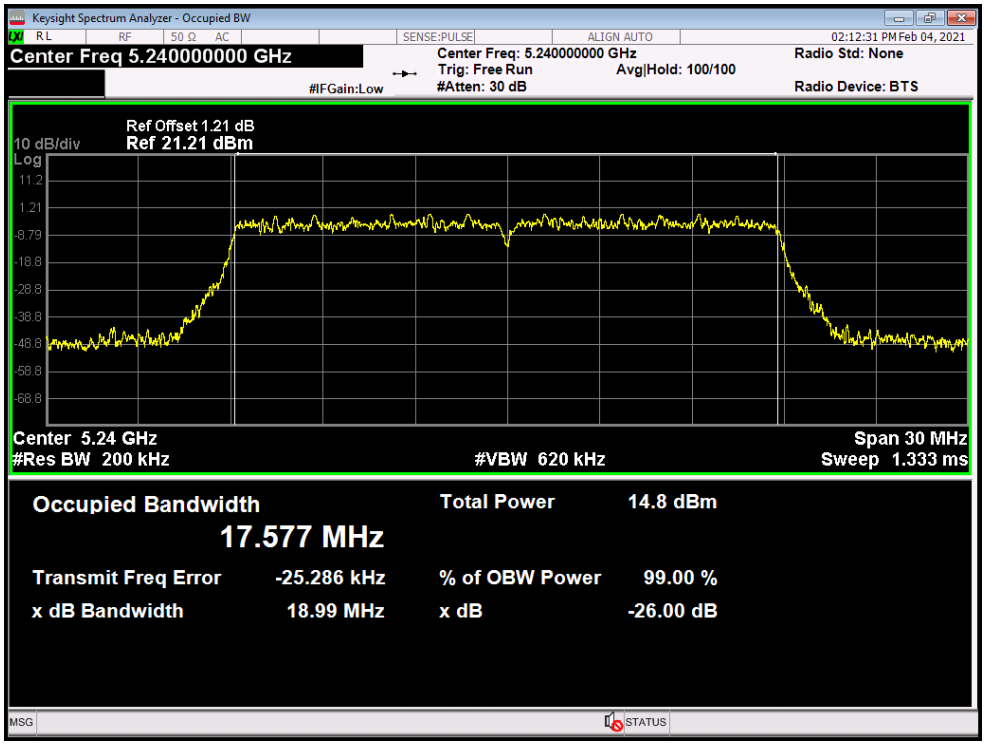
OBW NVNT ac20 5180MHz Ant2



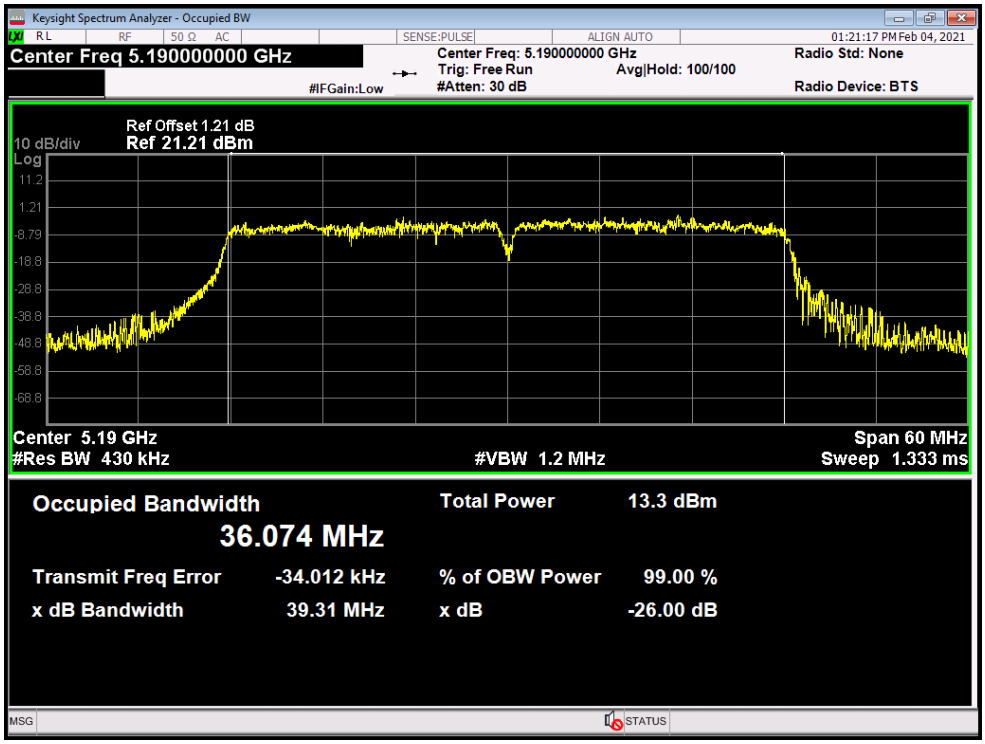
OBW NVNT ac20 5200MHz Ant2



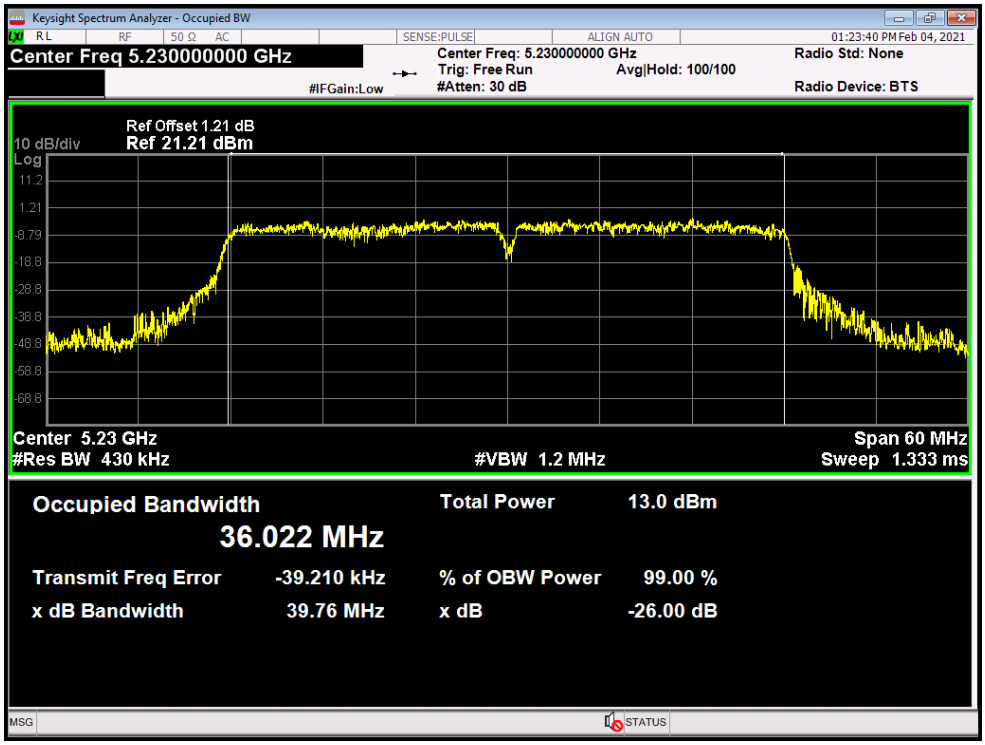
OBW NVNT ac20 5240MHz Ant2



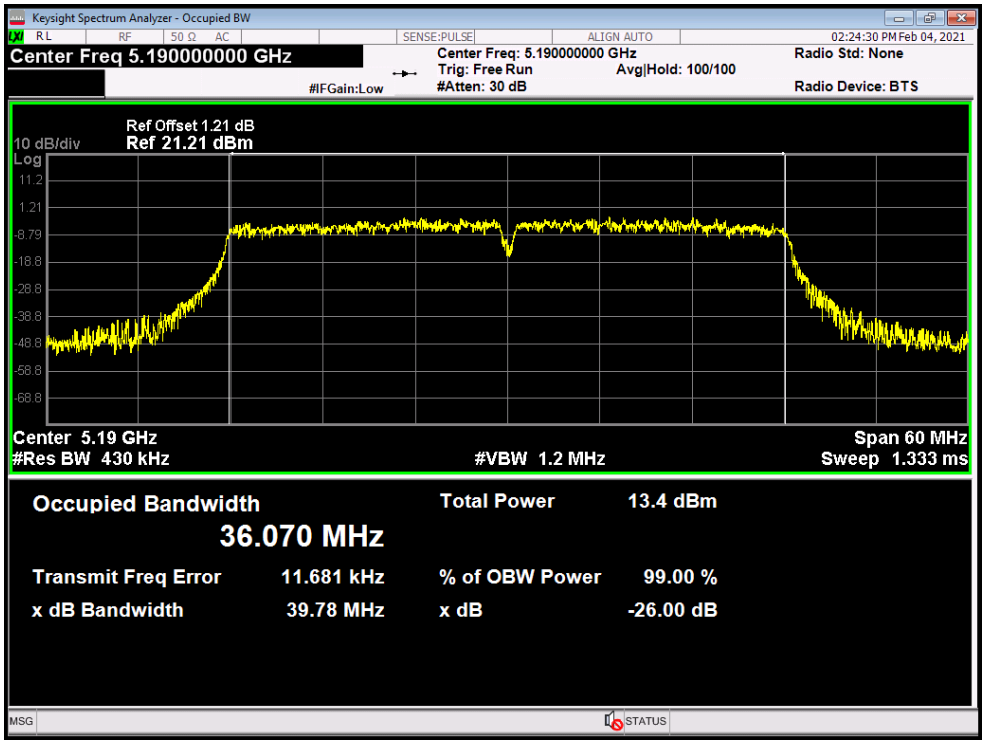
OBW NVNT ac40 5190MHz Ant1



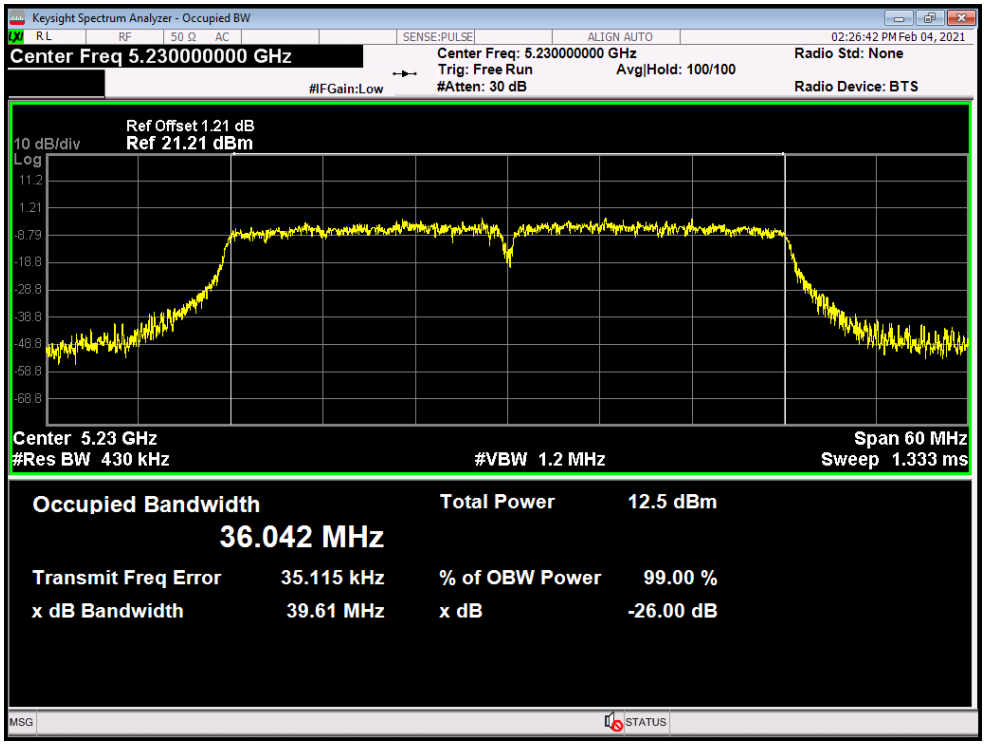
OBW NVNT ac40 5230MHz Ant1



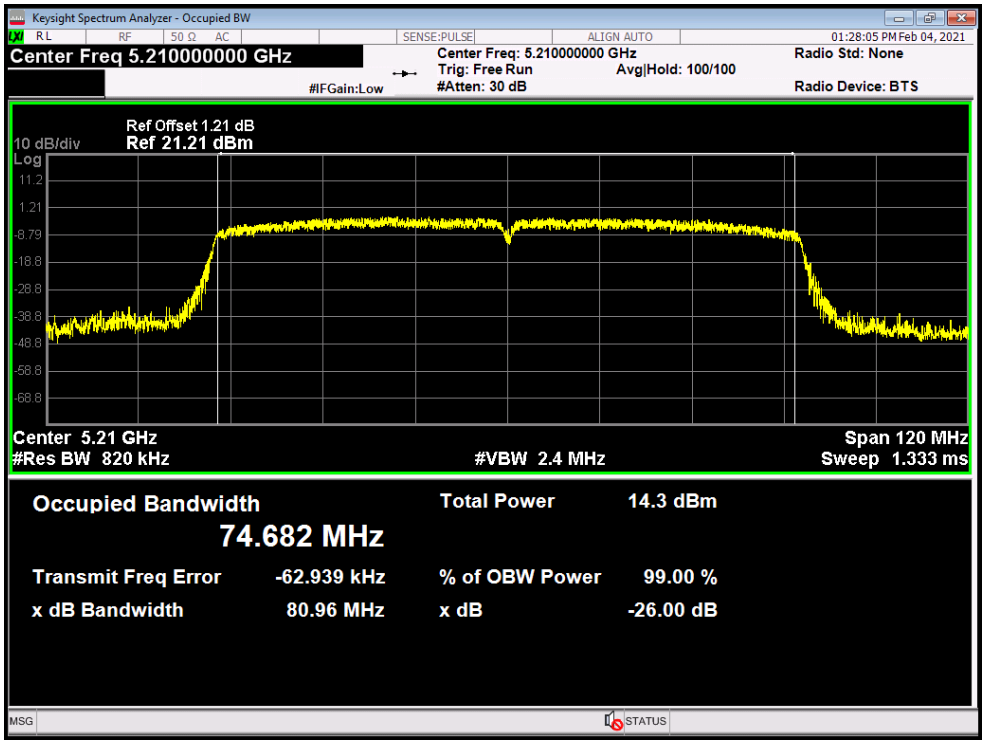
OBW NVNT ac40 5190MHz Ant2



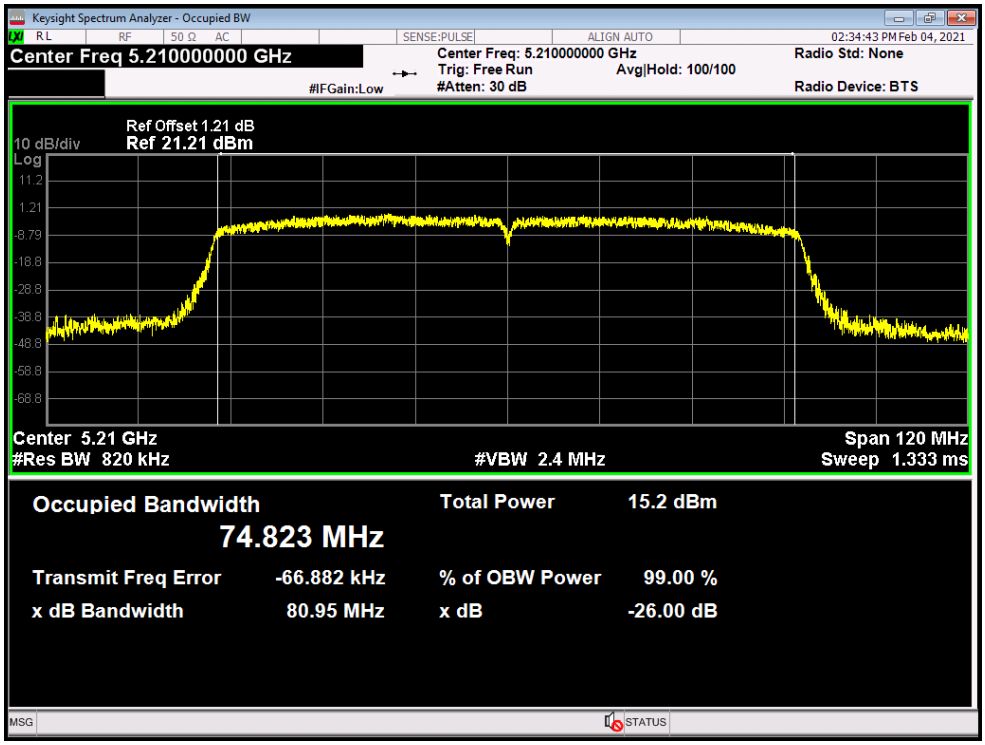
OBW NVNT ac40 5230MHz Ant2



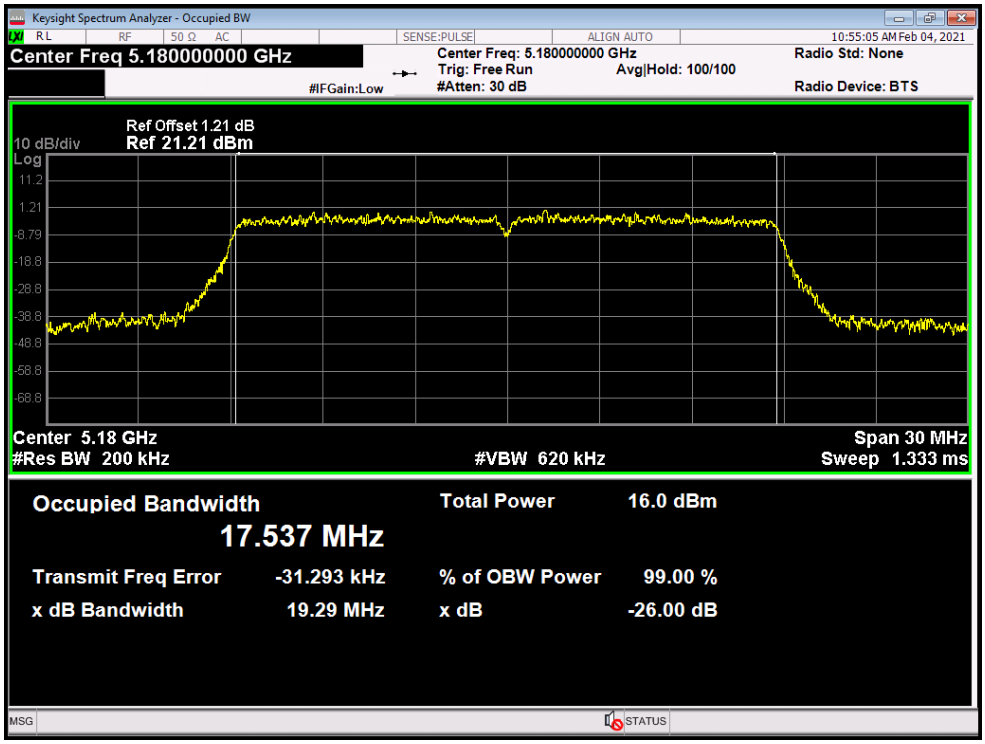
OBW NVNT ac80 5210MHz Ant1



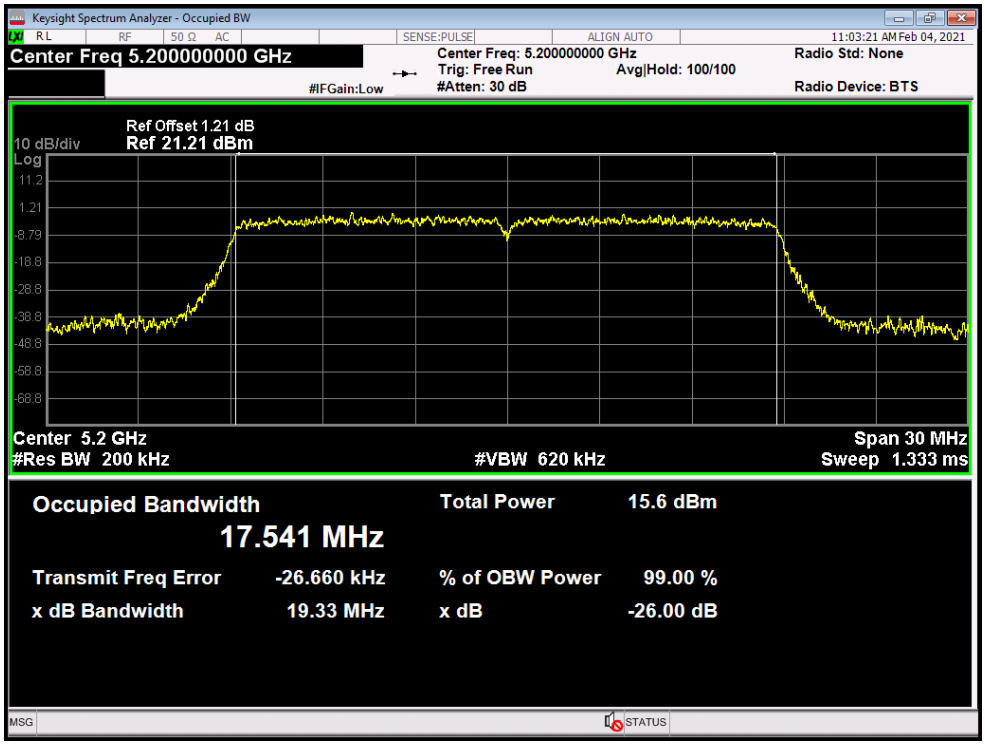
OBW NVNT ac80 5210MHz Ant2



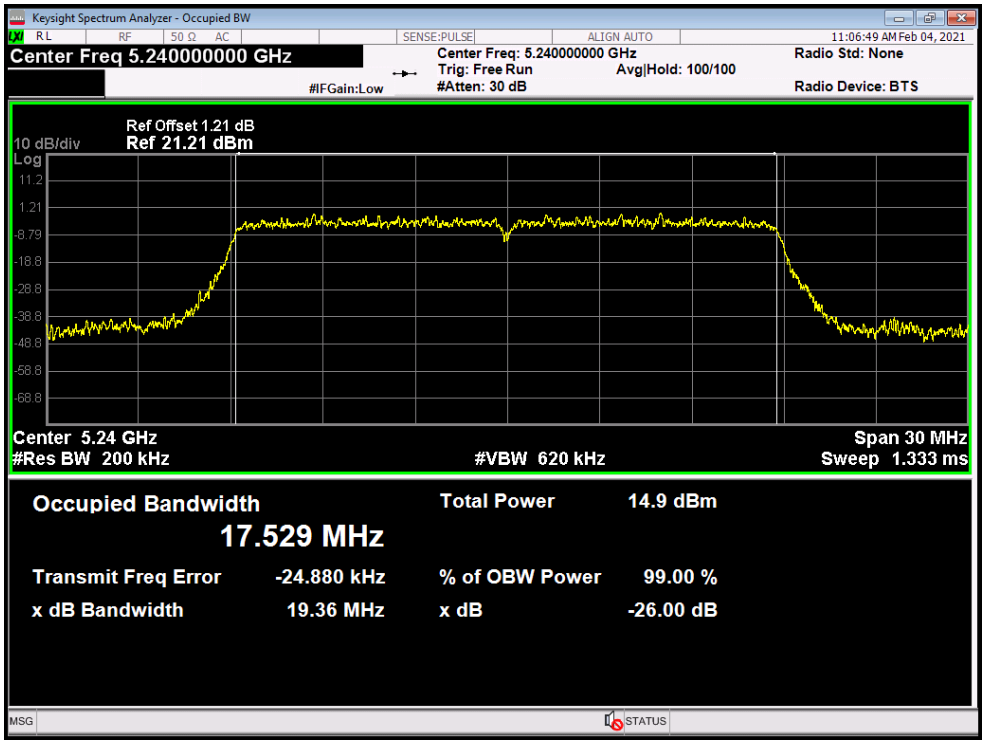
OBW NVNT n20 5180MHz Ant1



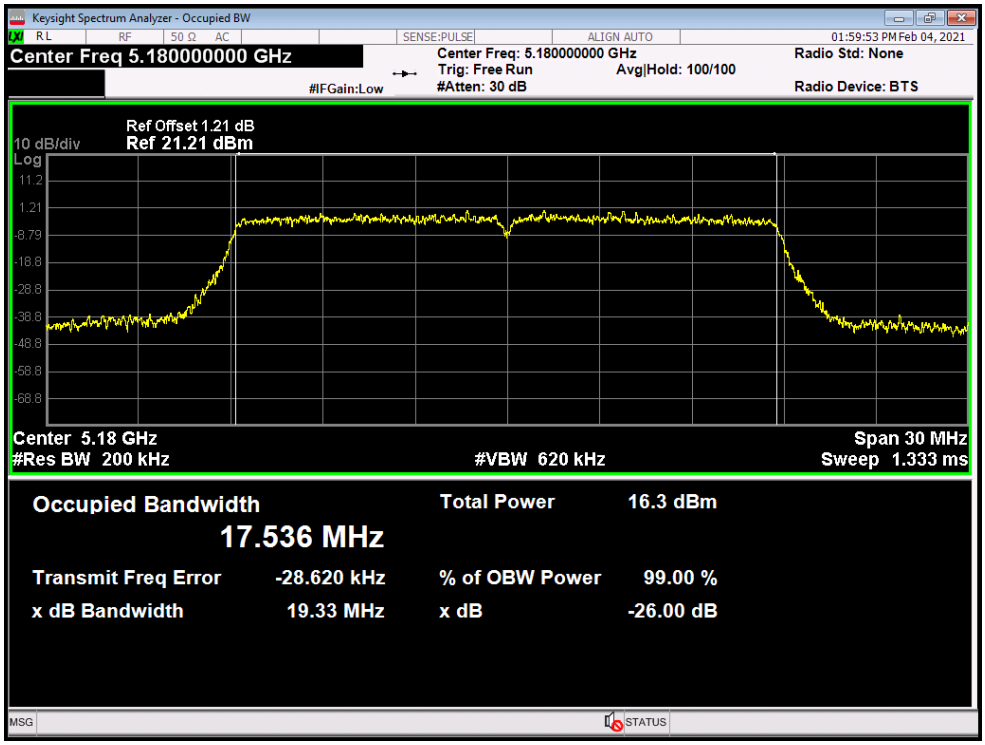
OBW NVNT n20 5200MHz Ant1



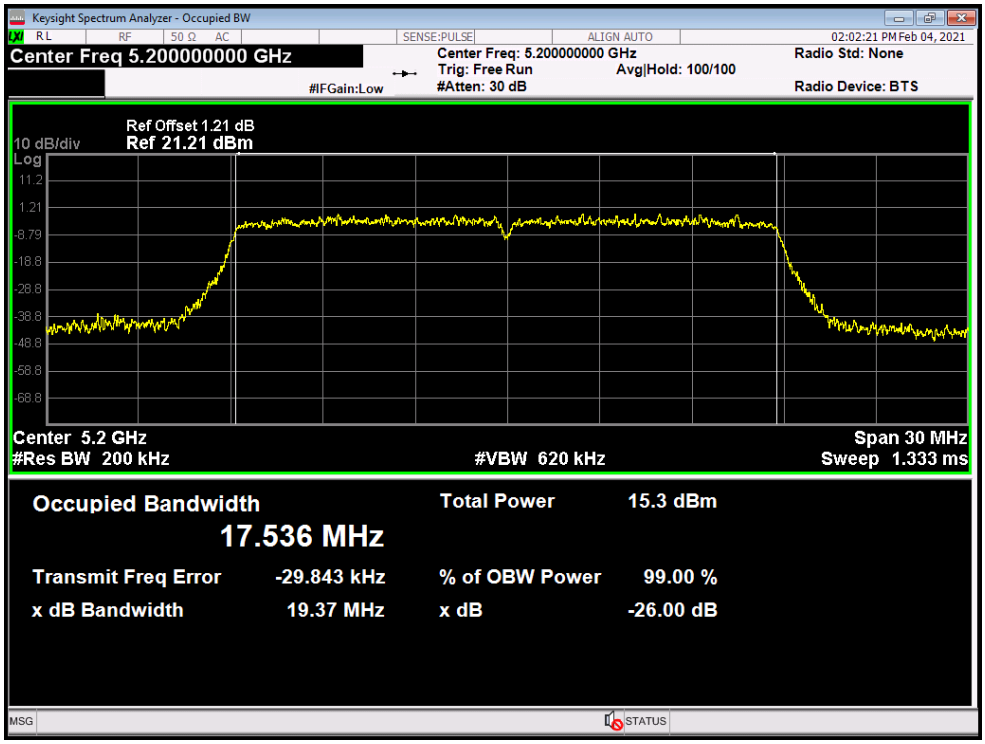
OBW NVNT n20 5240MHz Ant1



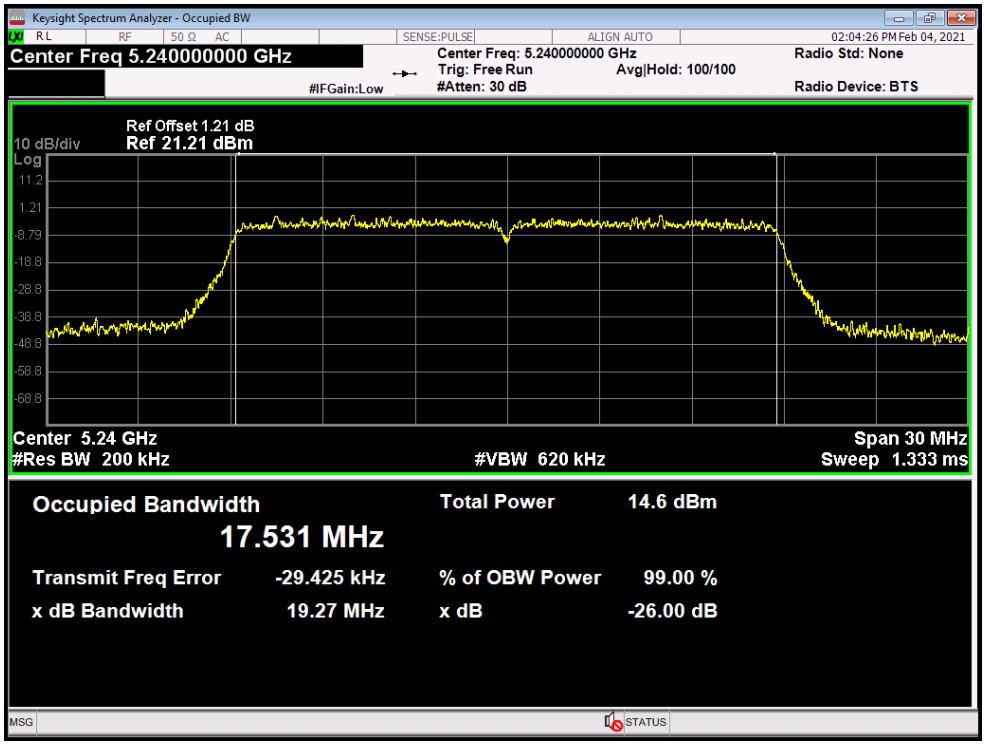
OBW NVNT n20 5180MHz Ant2



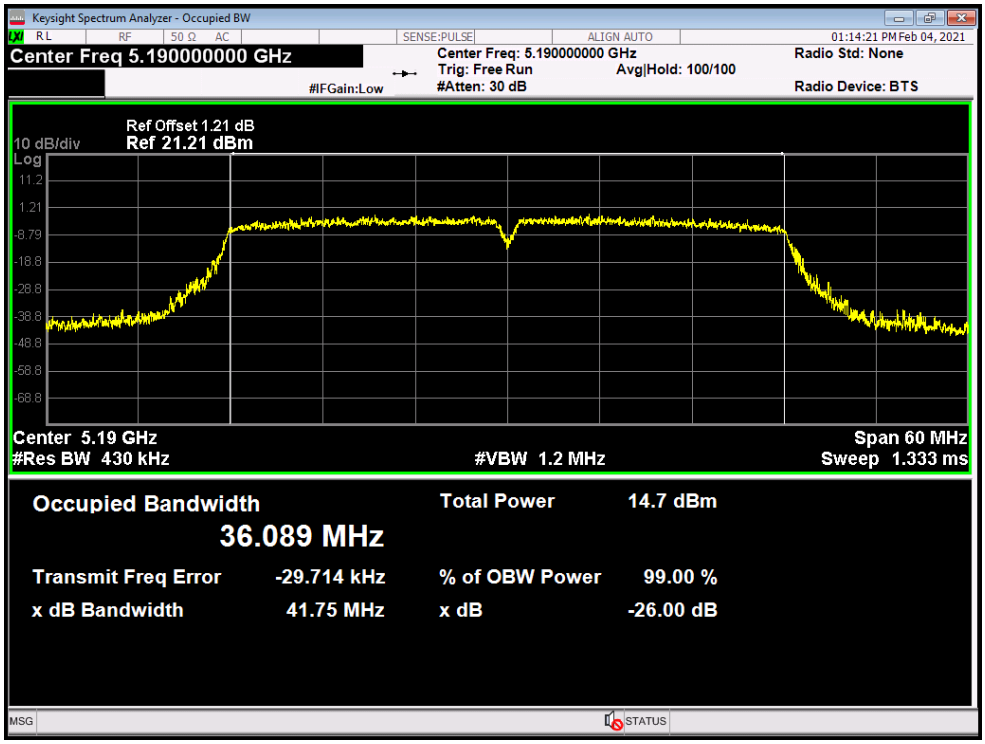
OBW NVNT n20 5200MHz Ant2



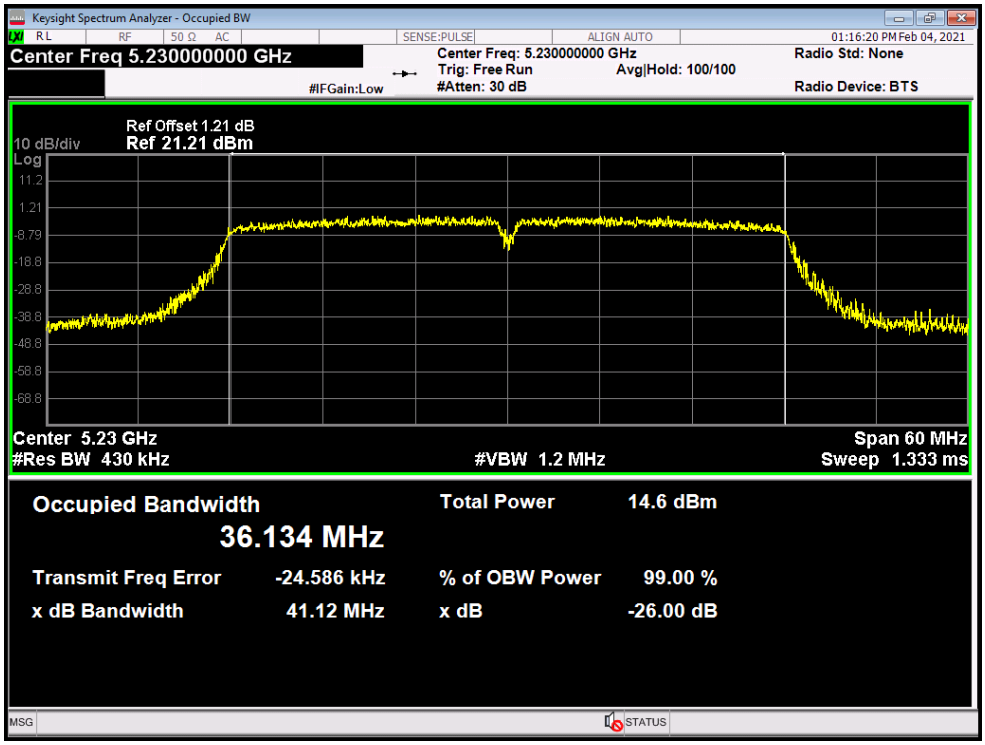
OBW NVNT n20 5240MHz Ant2



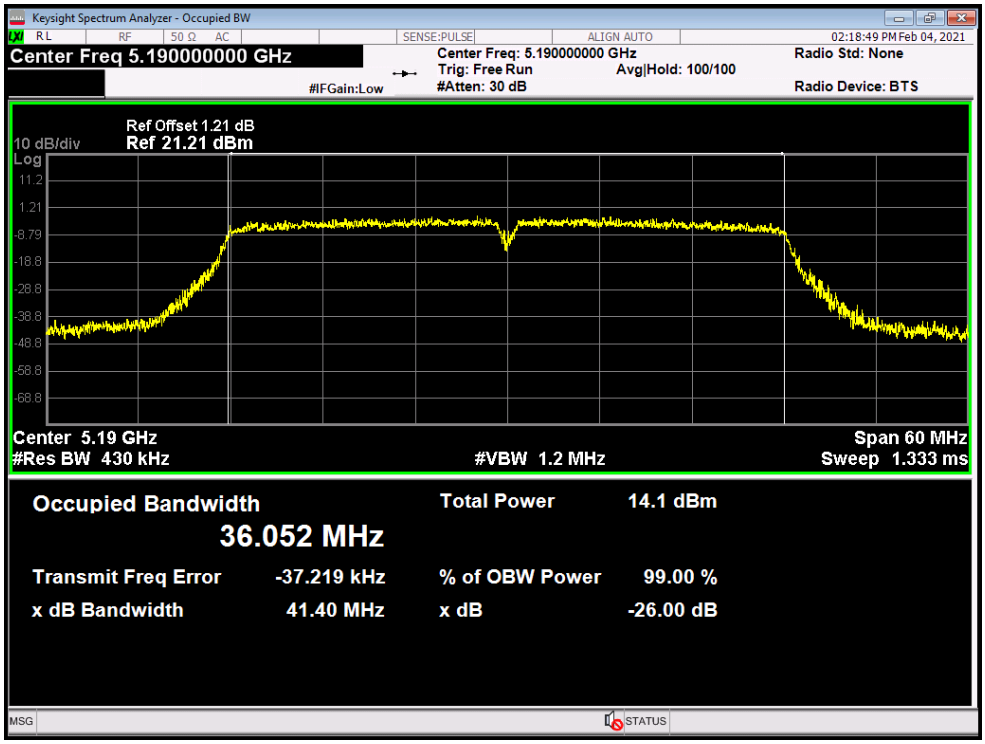
OBW NVNT n40 5190MHz Ant1



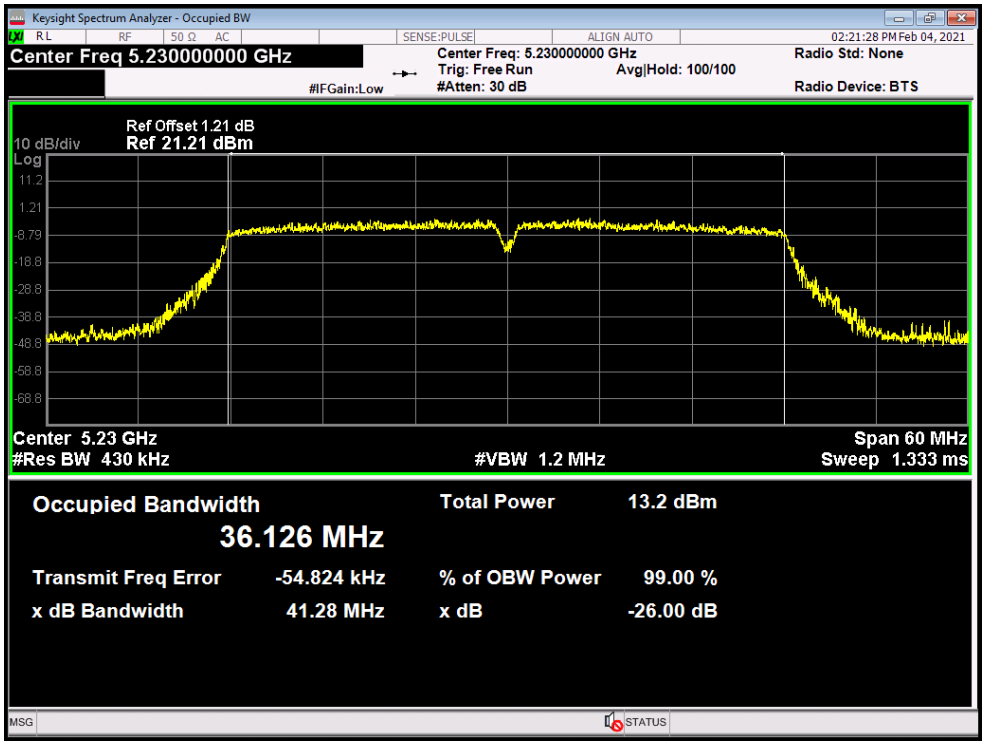
OBW NVNT n40 5230MHz Ant1



OBW NVNT n40 5190MHz Ant2



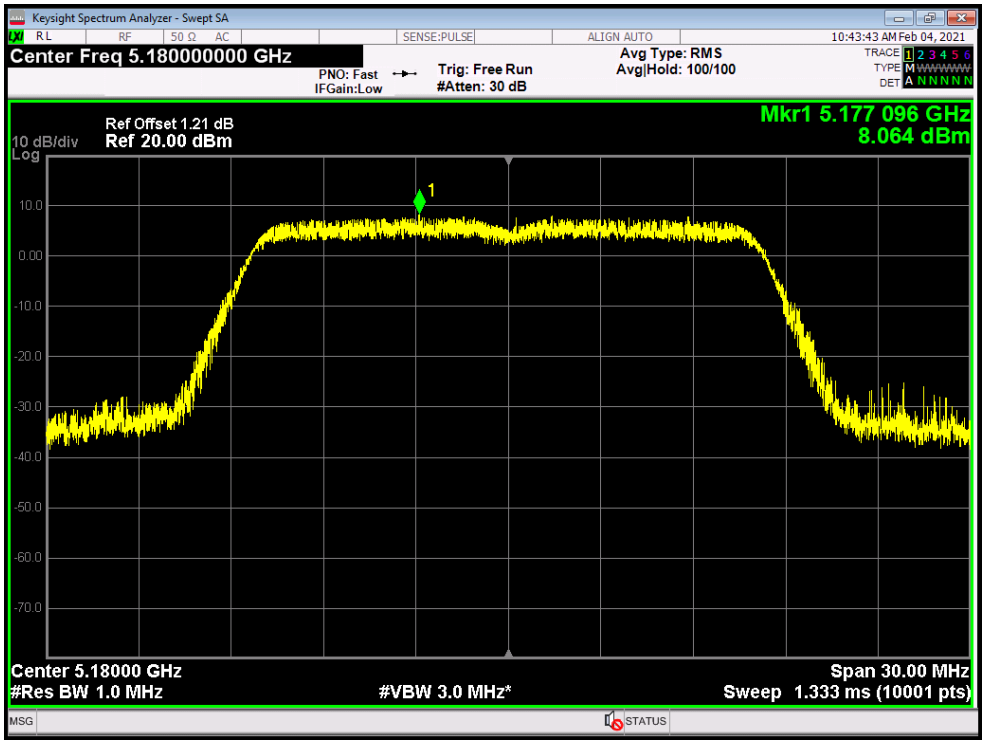
OBW NVNT n40 5230MHz Ant2



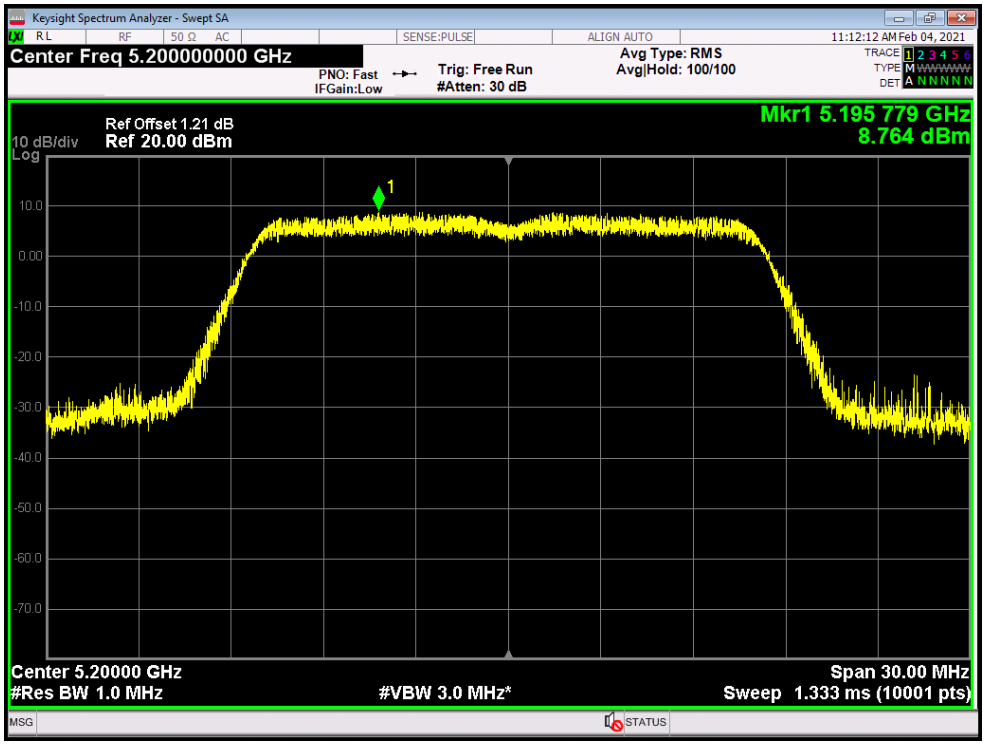
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	8.064	11	Pass
NVNT	a	5200	Ant1	8.764	11	Pass
NVNT	a	5240	Ant1	8.278	11	Pass
NVNT	a	5180	Ant2	9.417	11	Pass
NVNT	a	5200	Ant2	9.186	11	Pass
NVNT	a	5240	Ant2	9.548	11	Pass
NVNT	ac20	5180	Ant1	6.598	11	Pass
NVNT	ac20	5200	Ant1	6.565	11	Pass
NVNT	ac20	5240	Ant1	6.485	11	Pass
NVNT	ac20	5180	Ant2	7.053	11	Pass
NVNT	ac20	5200	Ant2	6.448	11	Pass
NVNT	ac20	5240	Ant2	6.347	11	Pass
NVNT	ac40	5190	Ant1	1.995	11	Pass
NVNT	ac40	5230	Ant1	1.748	11	Pass
NVNT	ac40	5190	Ant2	1.781	11	Pass
NVNT	ac40	5230	Ant2	1.281	11	Pass
NVNT	ac80	5210	Ant1	-0.285	11	Pass
NVNT	ac80	5210	Ant2	0.776	11	Pass
NVNT	n20	5180	Ant1	6.985	11	Pass
NVNT	n20	5200	Ant1	7.269	11	Pass
NVNT	n20	5240	Ant1	6.246	11	Pass
NVNT	n20	5180	Ant2	7.213	11	Pass
NVNT	n20	5200	Ant2	6.853	11	Pass
NVNT	n20	5240	Ant2	5.541	11	Pass
NVNT	n40	5190	Ant1	2.935	11	Pass
NVNT	n40	5230	Ant1	2.903	11	Pass
NVNT	n40	5190	Ant2	2.362	11	Pass
NVNT	n40	5230	Ant2	1.374	11	Pass

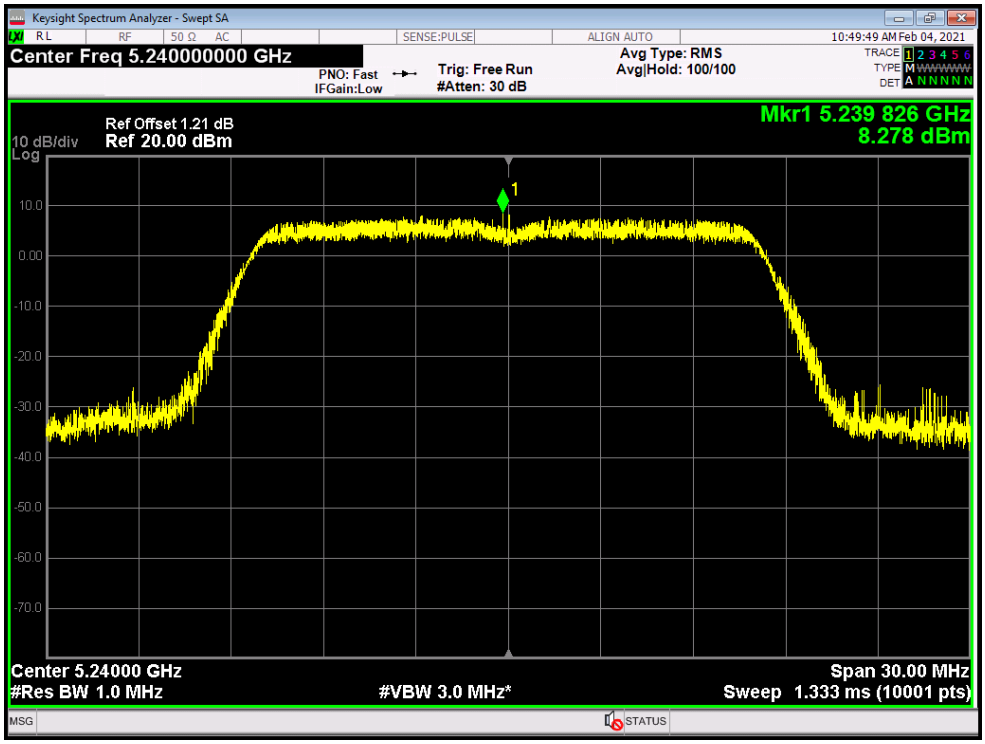
PSD NVNT a 5180MHz Ant1



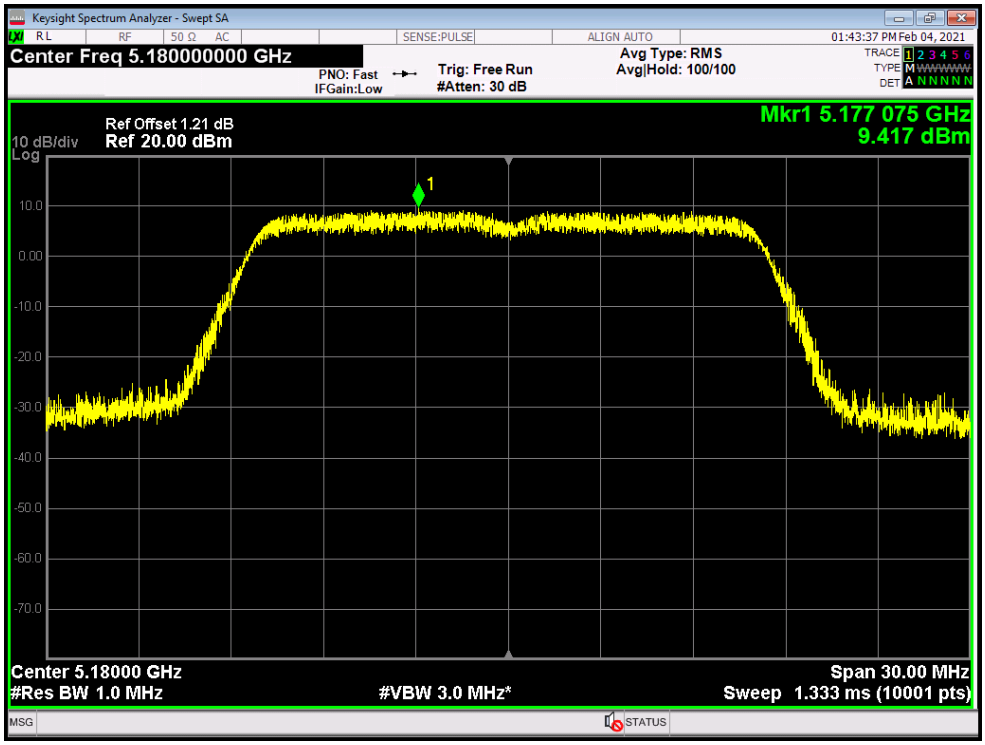
PSD NVNT a 5200MHz Ant1



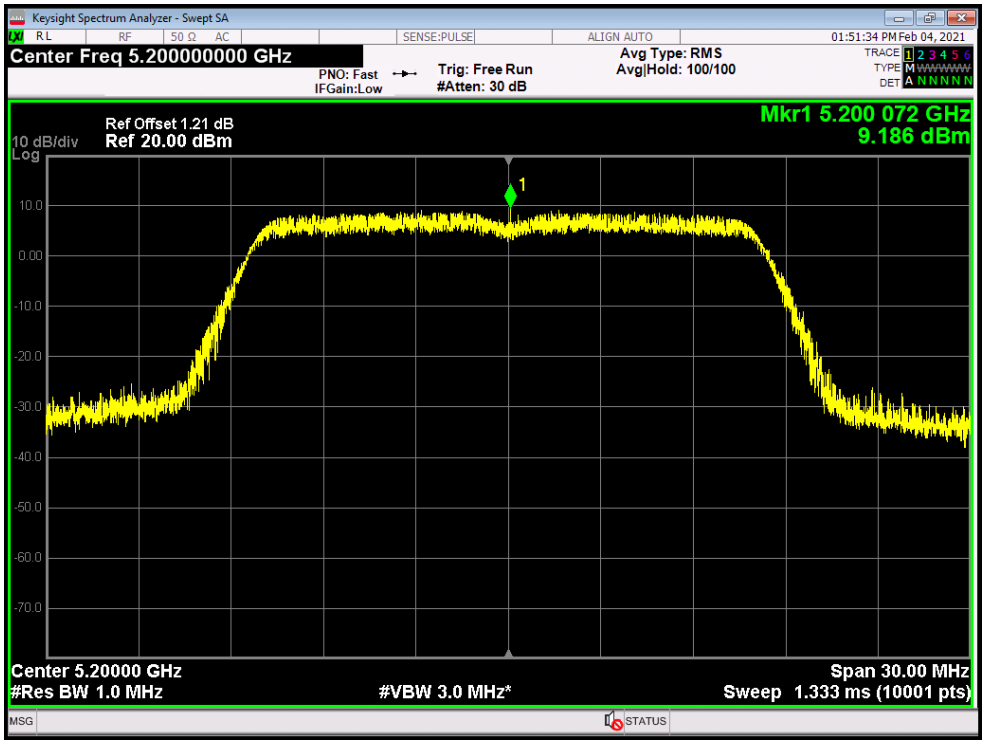
PSD NVNT a 5240MHz Ant1



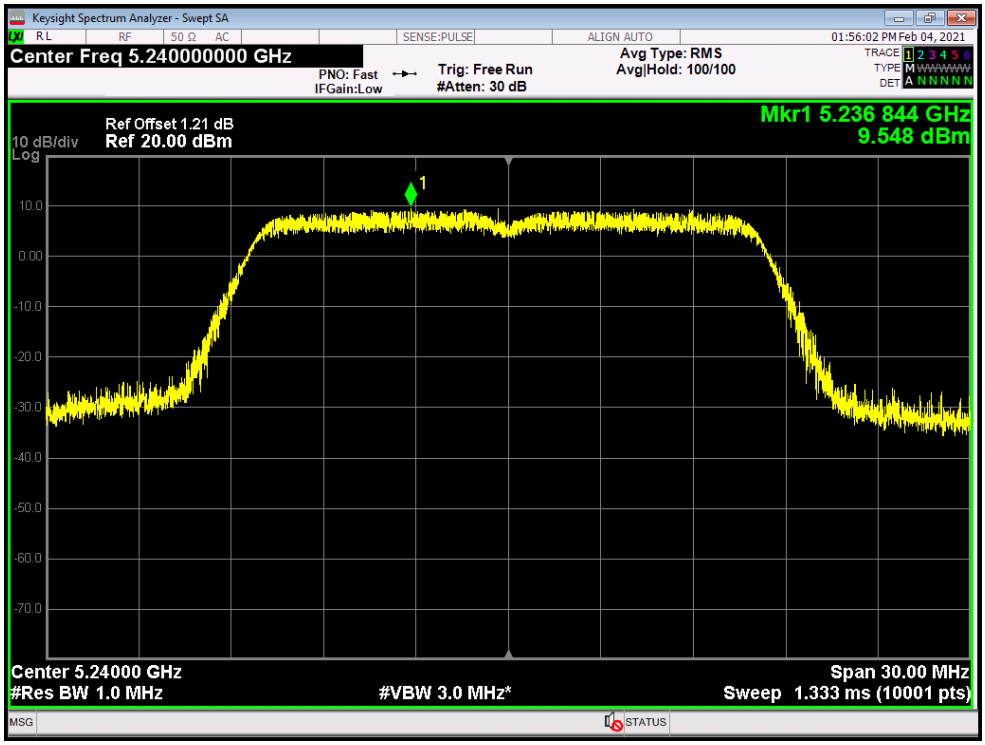
PSD NVNT a 5180MHz Ant2



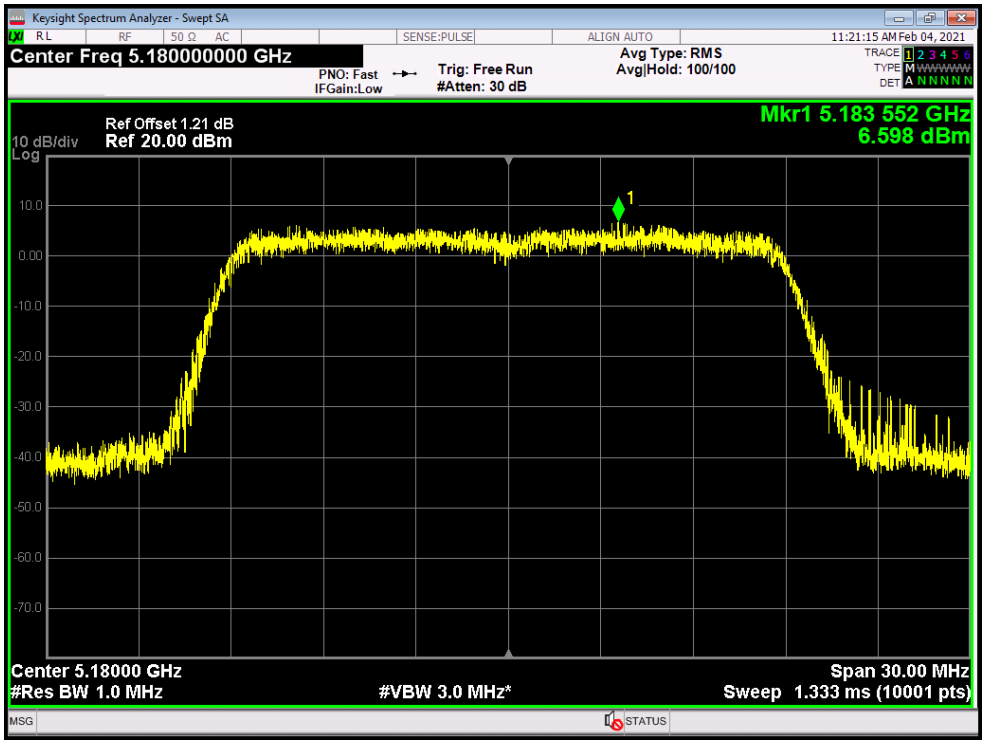
PSD NVNT a 5200MHz Ant2



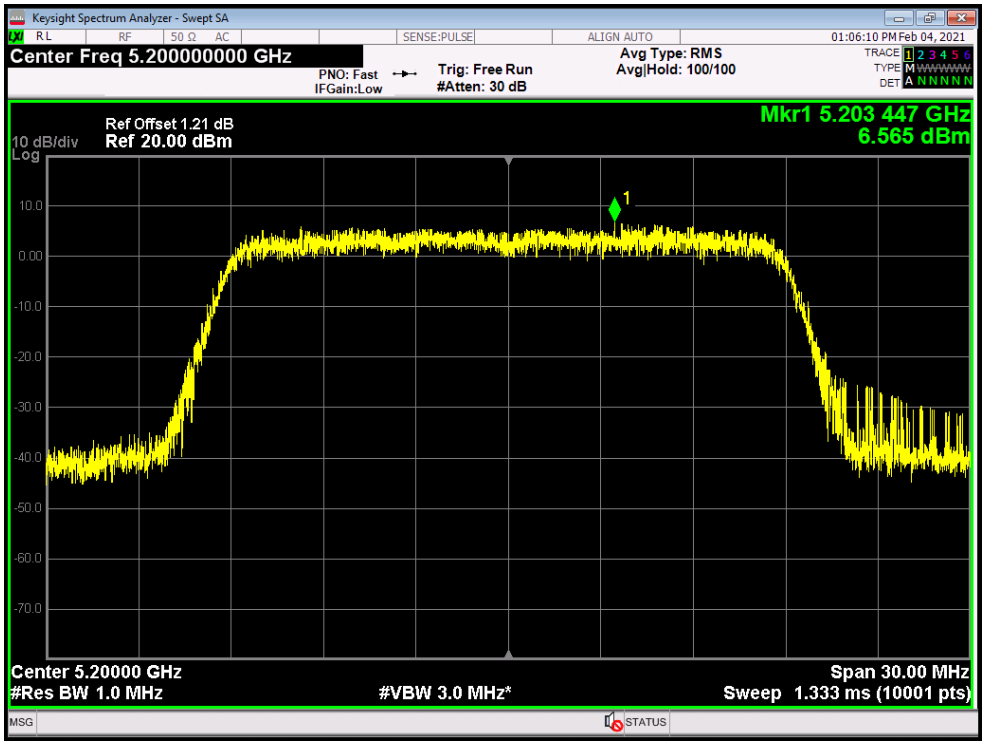
PSD NVNT a 5240MHz Ant2



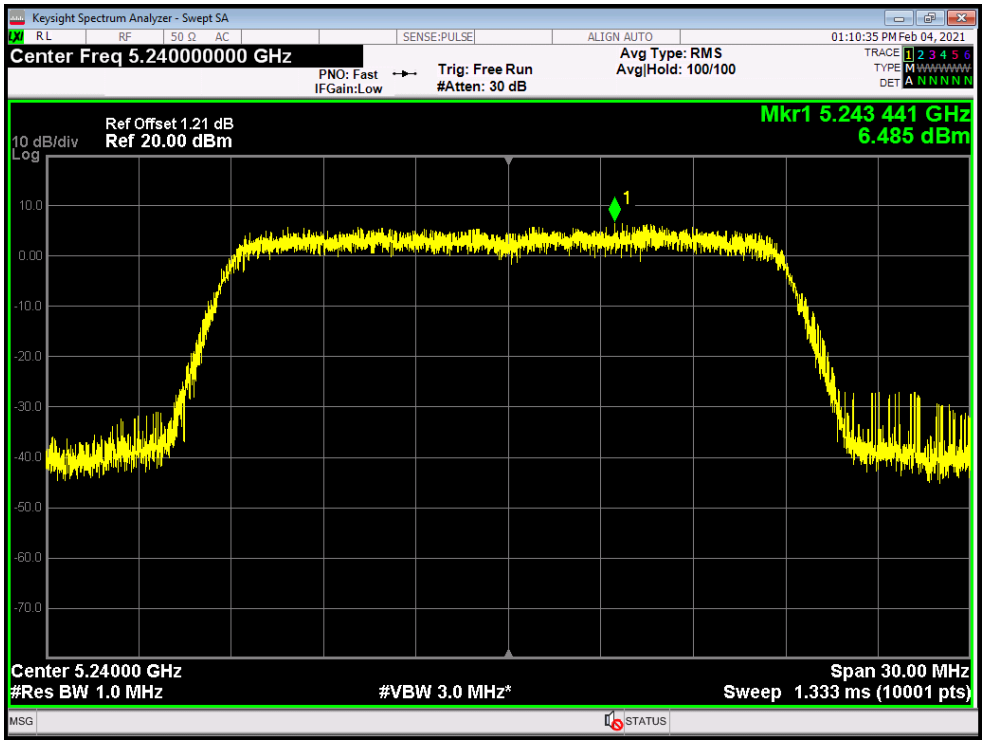
PSD NVNT ac20 5180MHz Ant1



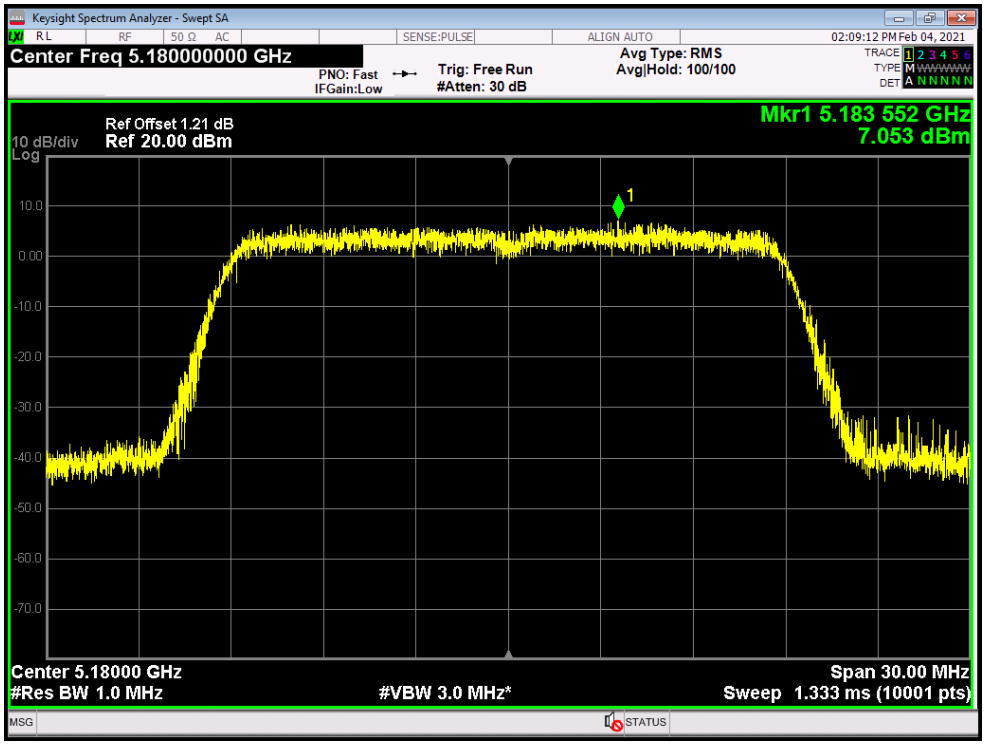
PSD NVNT ac20 5200MHz Ant1



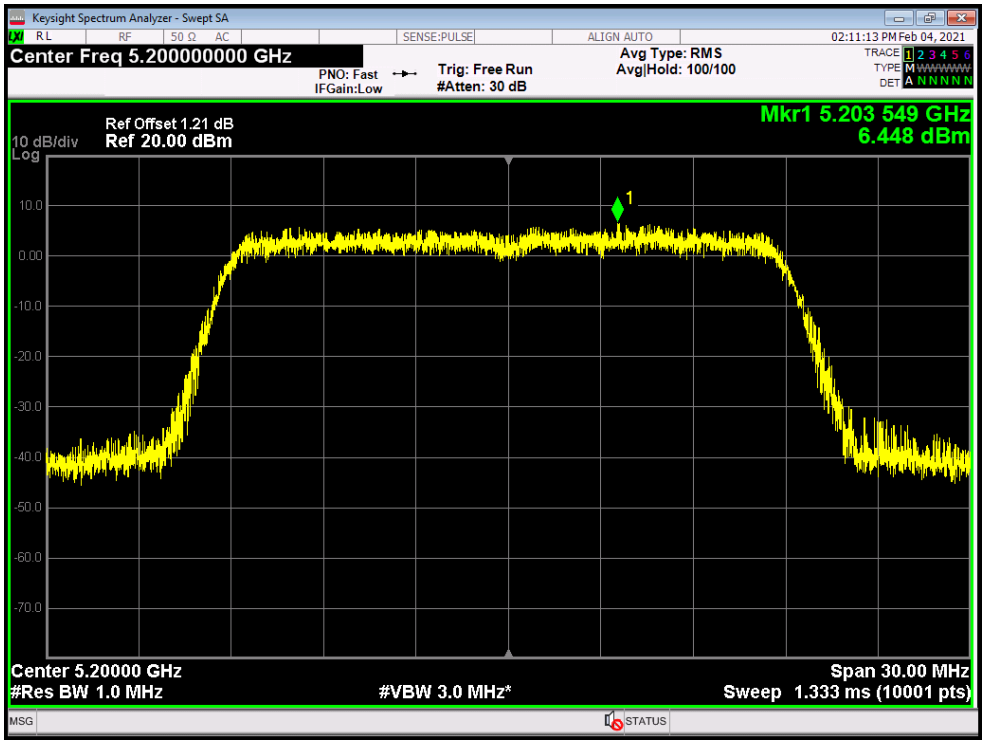
PSD NVNT ac20 5240MHz Ant1



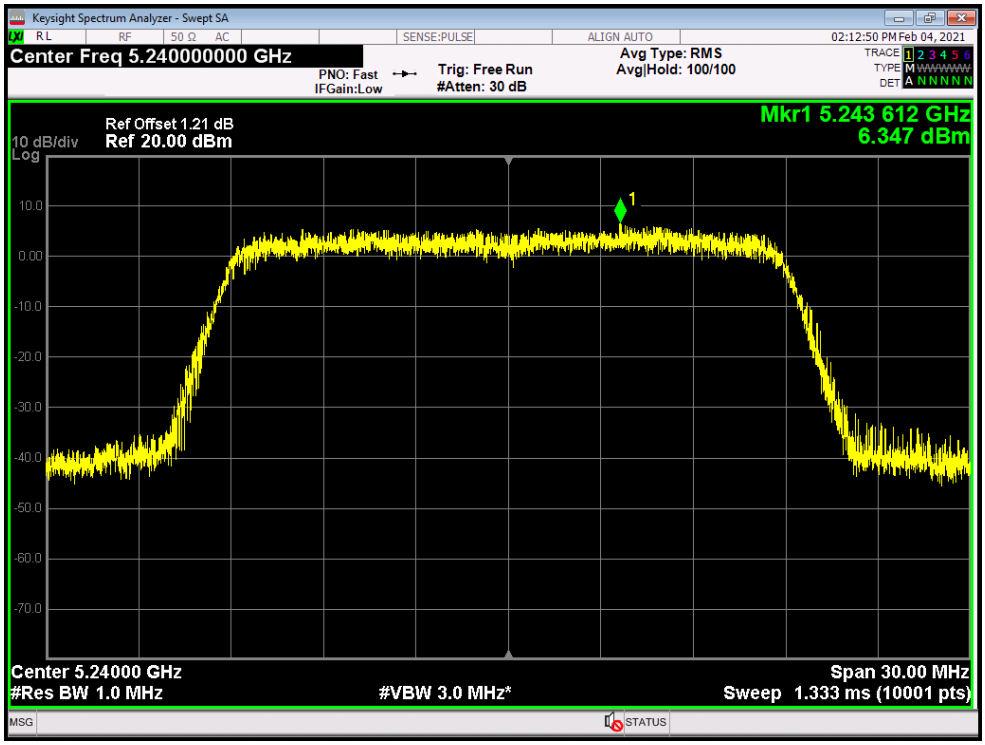
PSD NVNT ac20 5180MHz Ant2



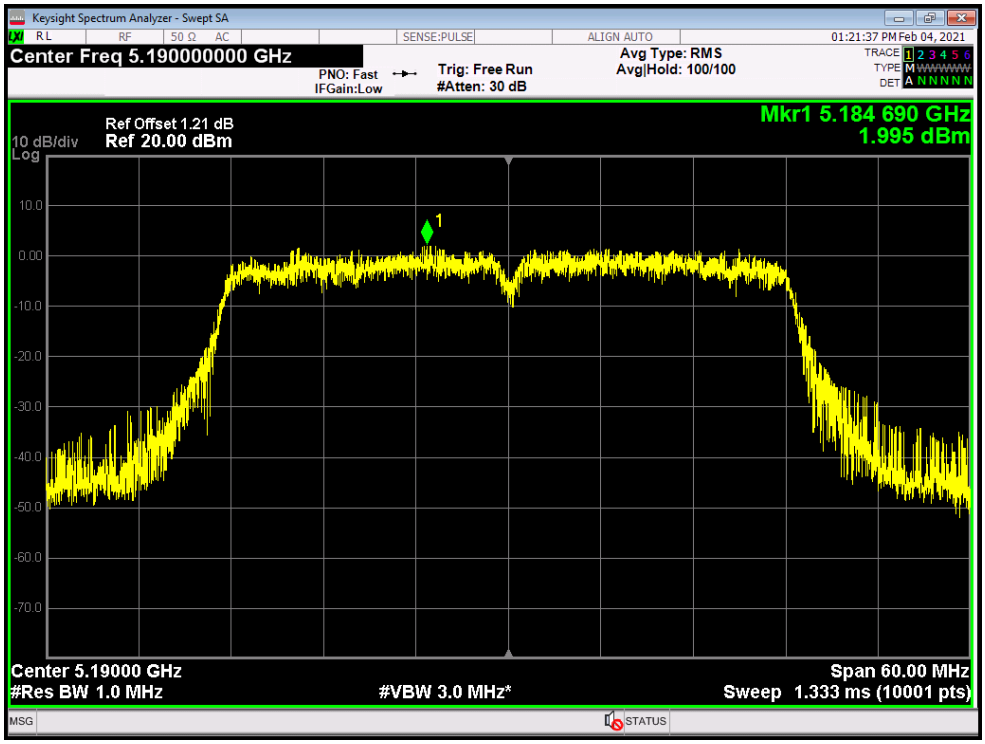
PSD NVNT ac20 5200MHz Ant2



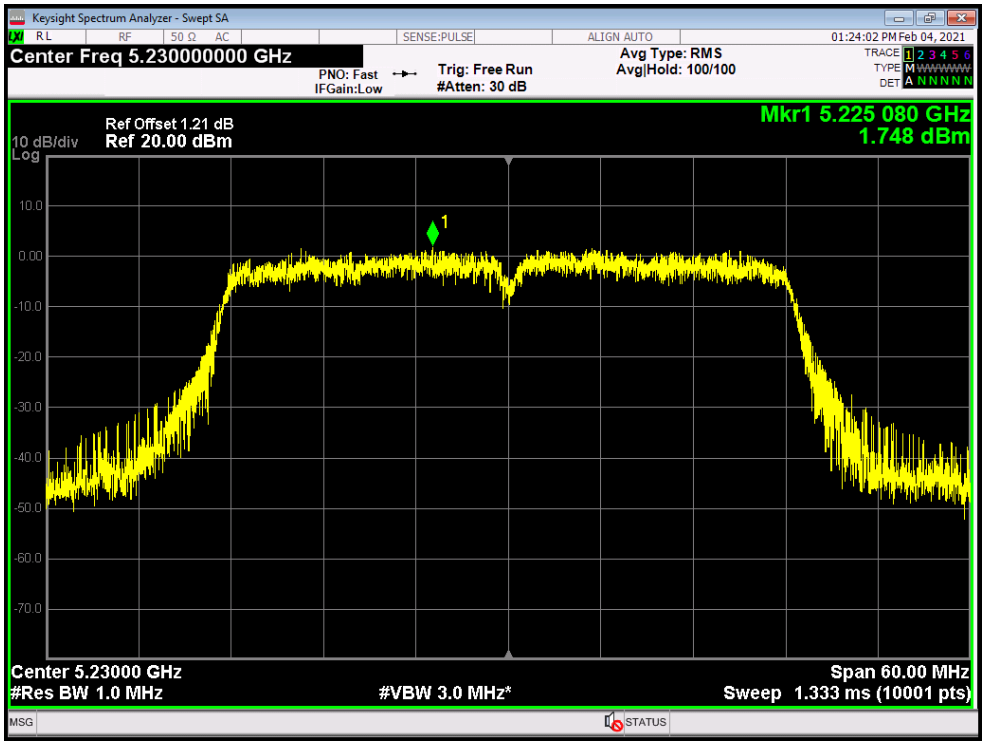
PSD NVNT ac20 5240MHz Ant2



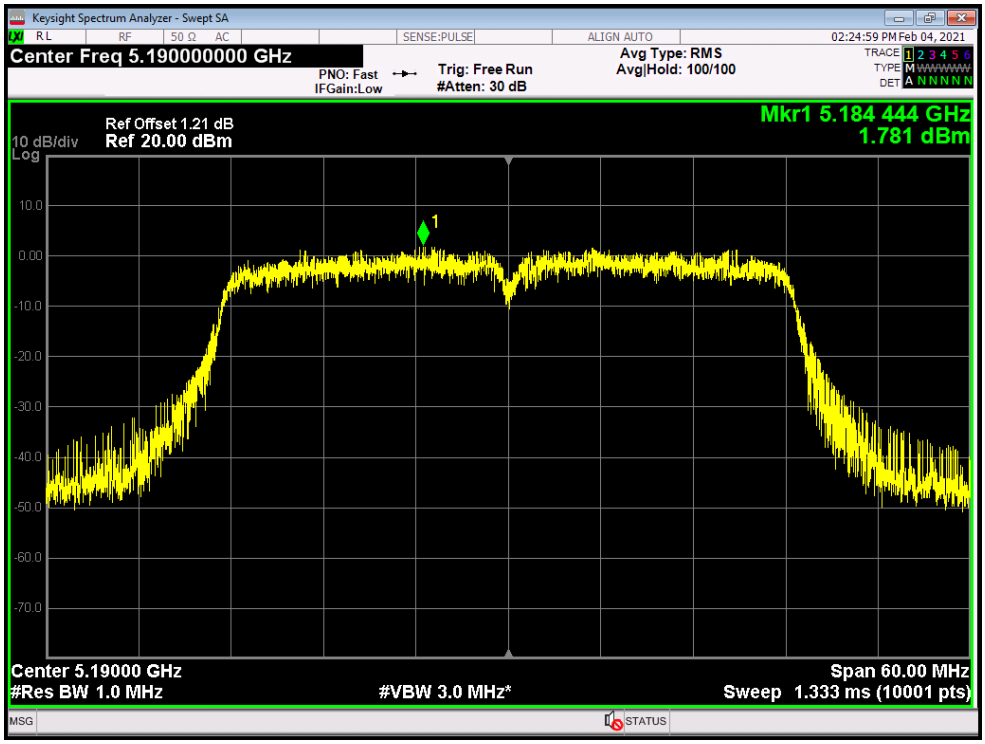
PSD NVNT ac40 5190MHz Ant1



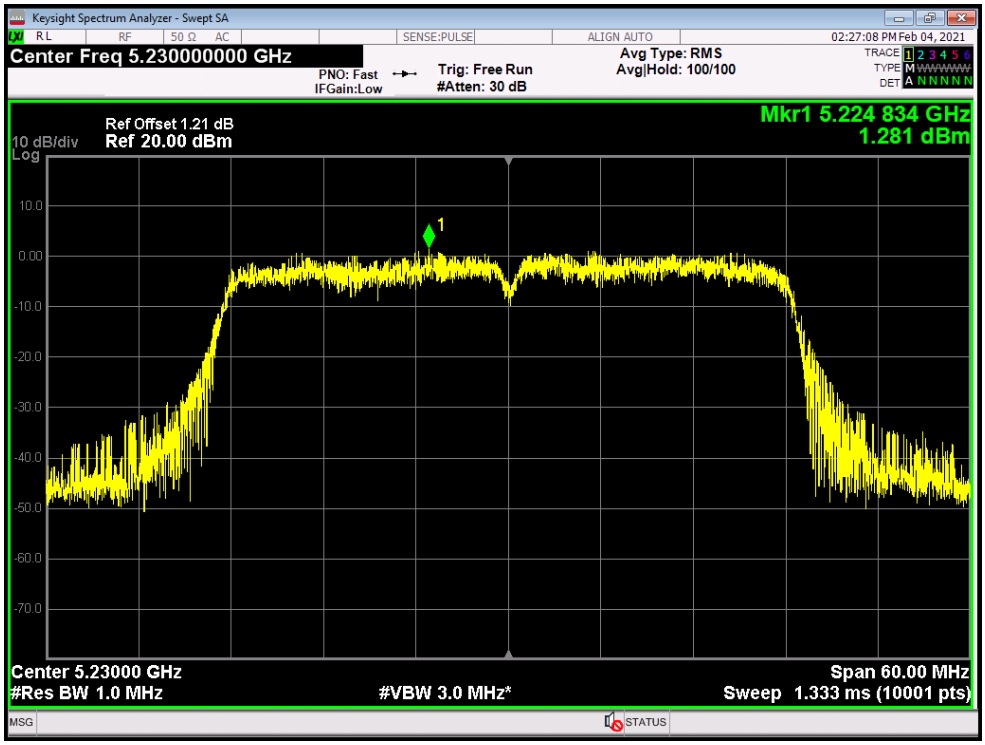
PSD NVNT ac40 5230MHz Ant1



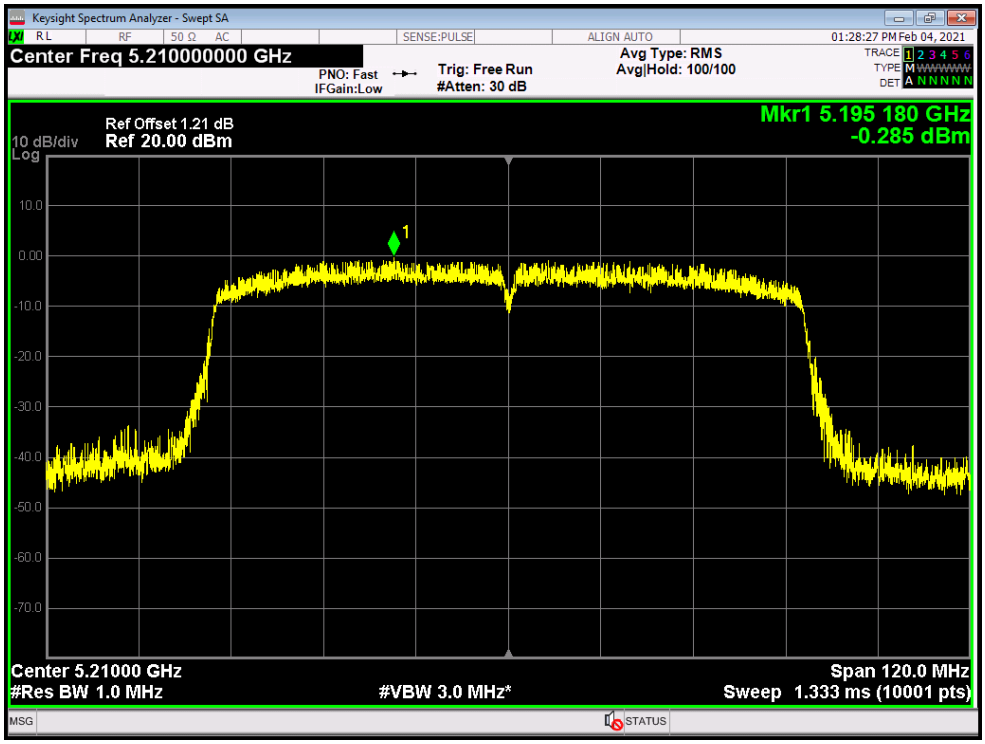
PSD NVNT ac40 5190MHz Ant2



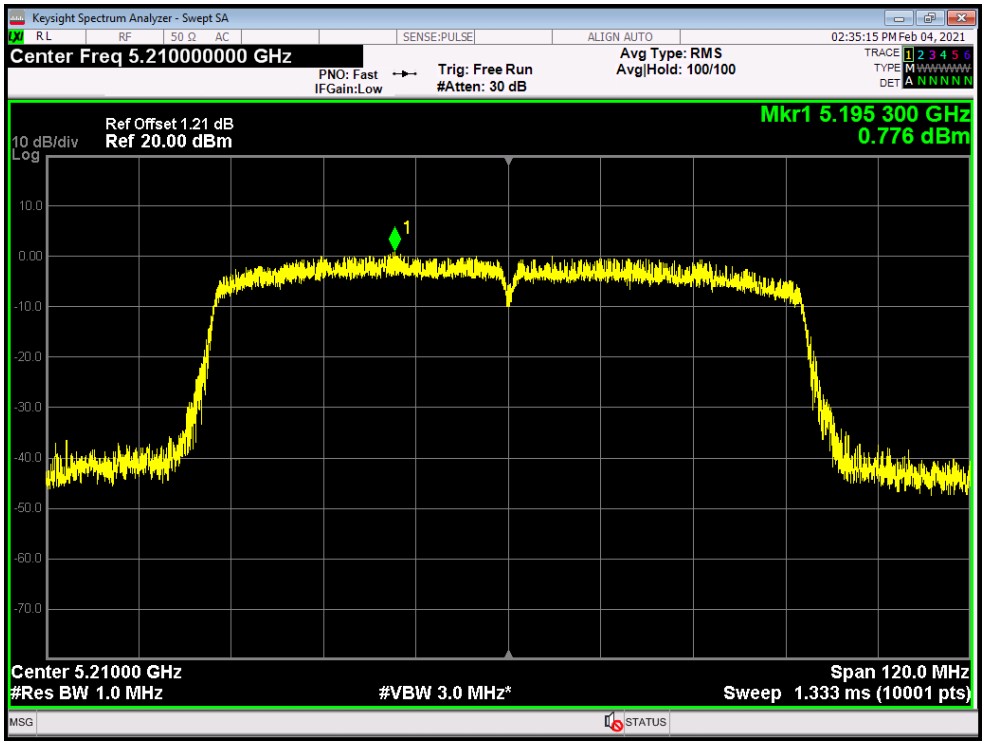
PSD NVNT ac40 5230MHz Ant2



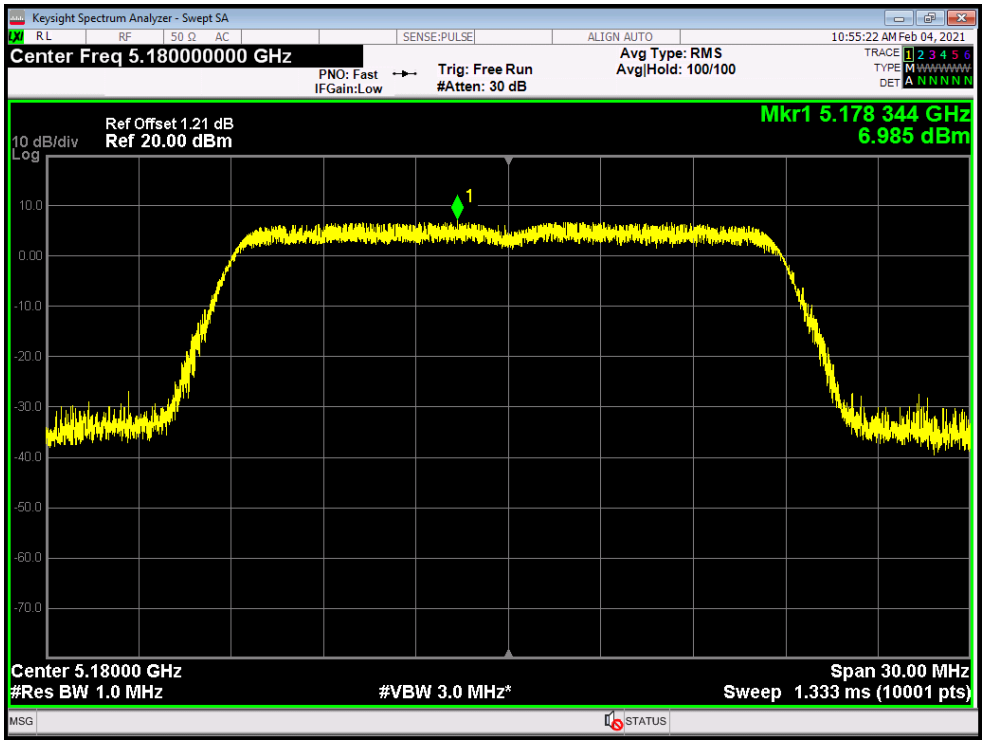
PSD NVNT ac80 5210MHz Ant1



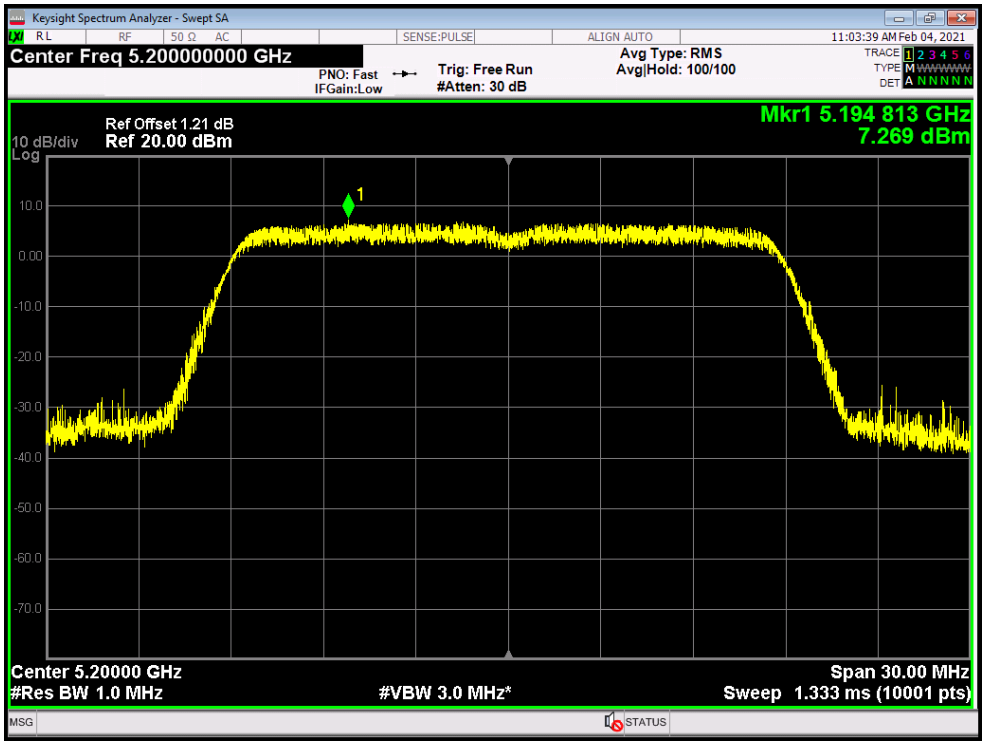
PSD NVNT ac80 5210MHz Ant2



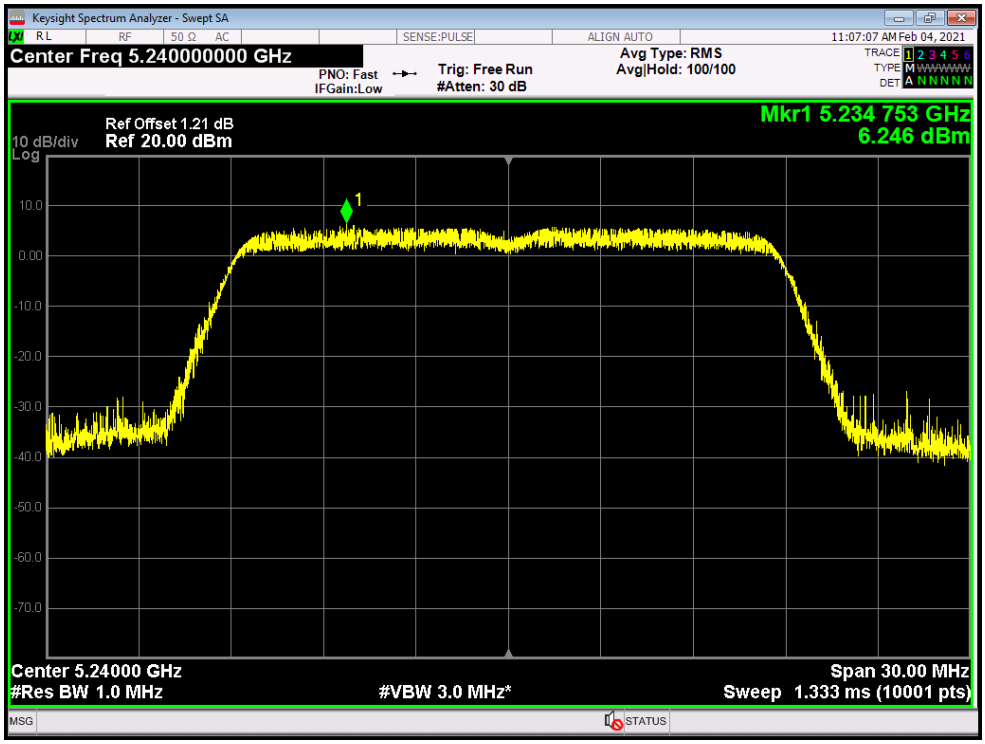
PSD NVNT n20 5180MHz Ant1



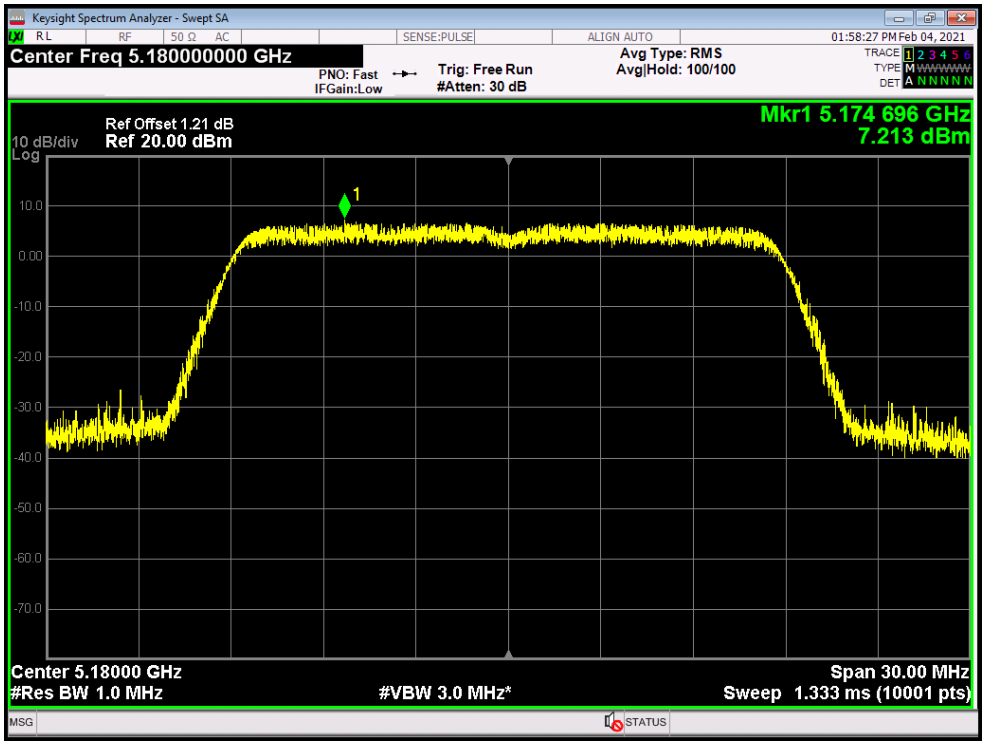
PSD NVNT n20 5200MHz Ant1



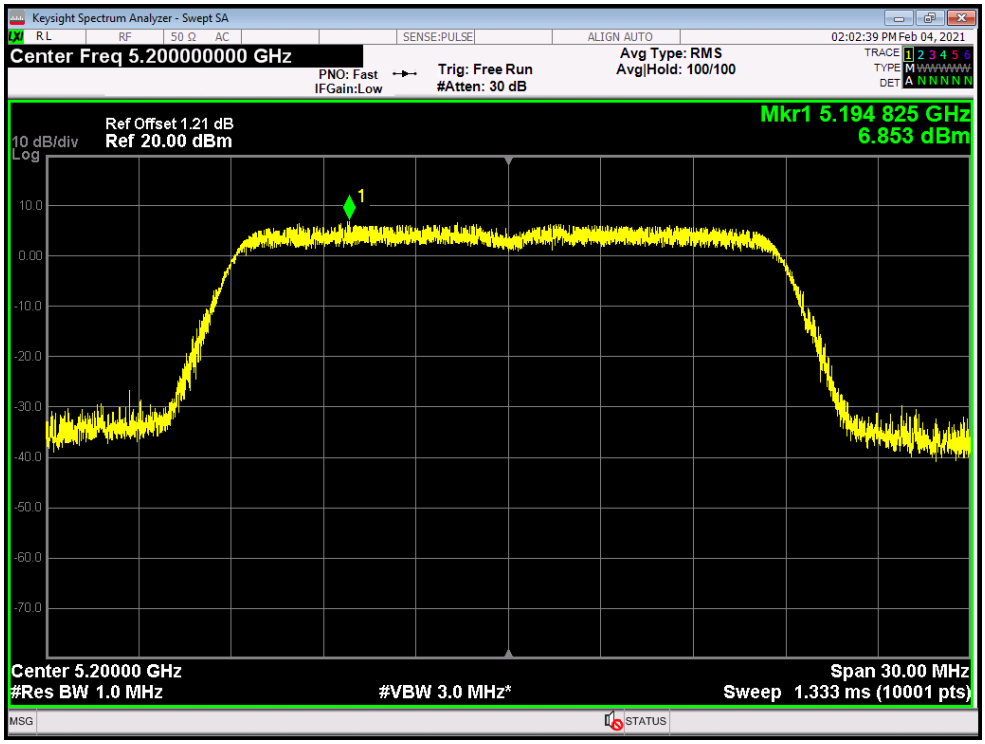
PSD NVNT n20 5240MHz Ant1



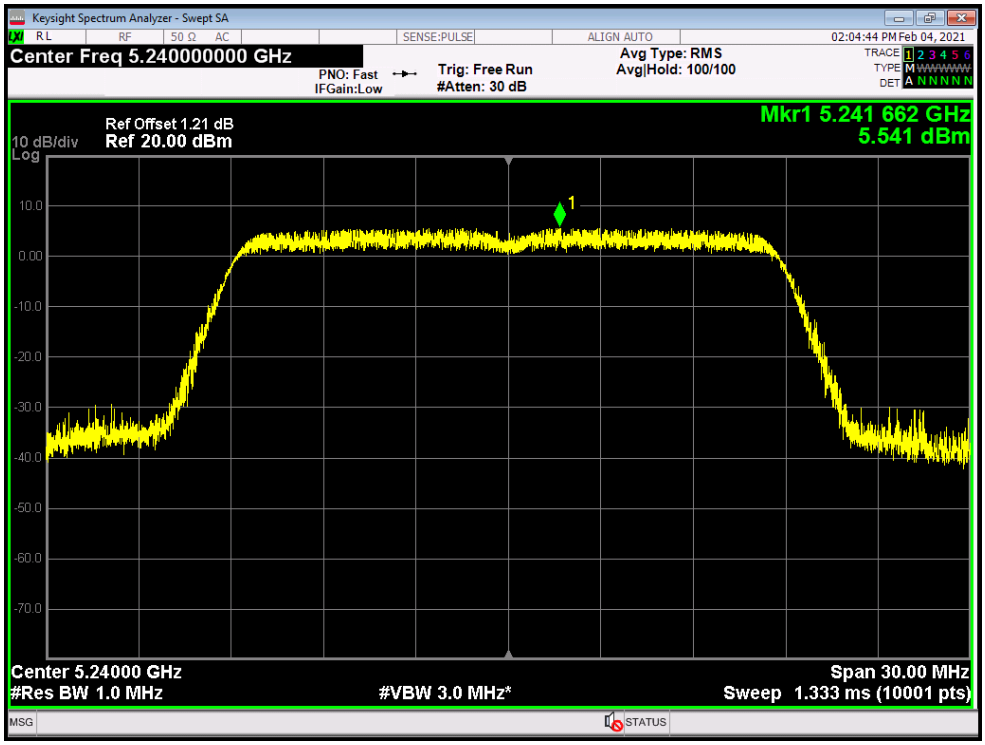
PSD NVNT n20 5180MHz Ant2



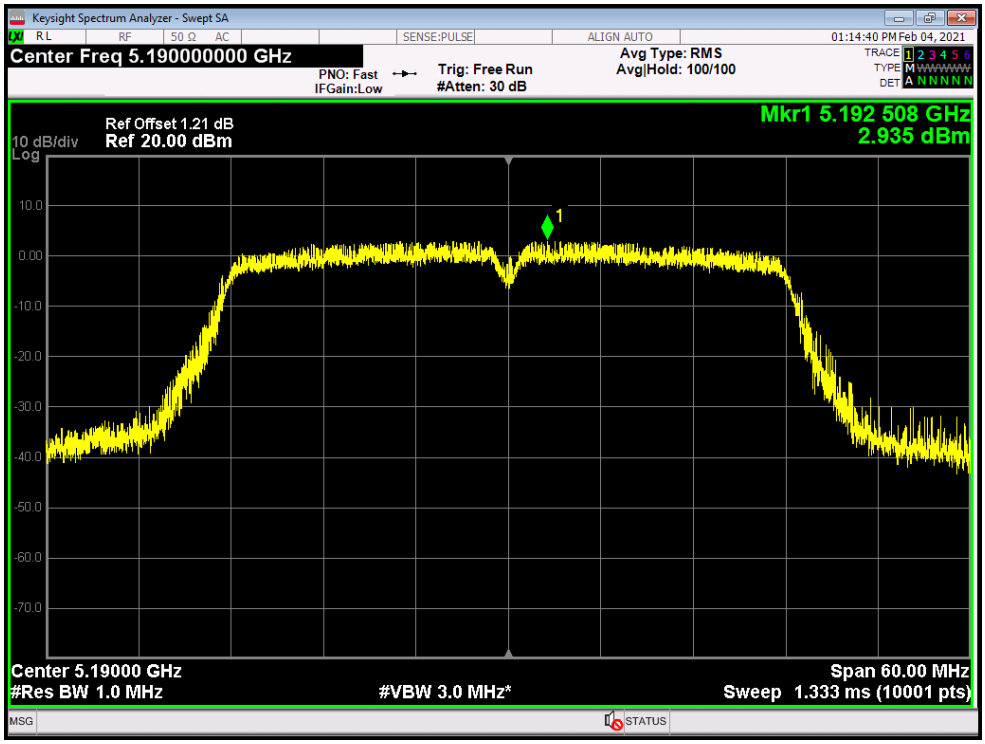
PSD NVNT n20 5200MHz Ant2



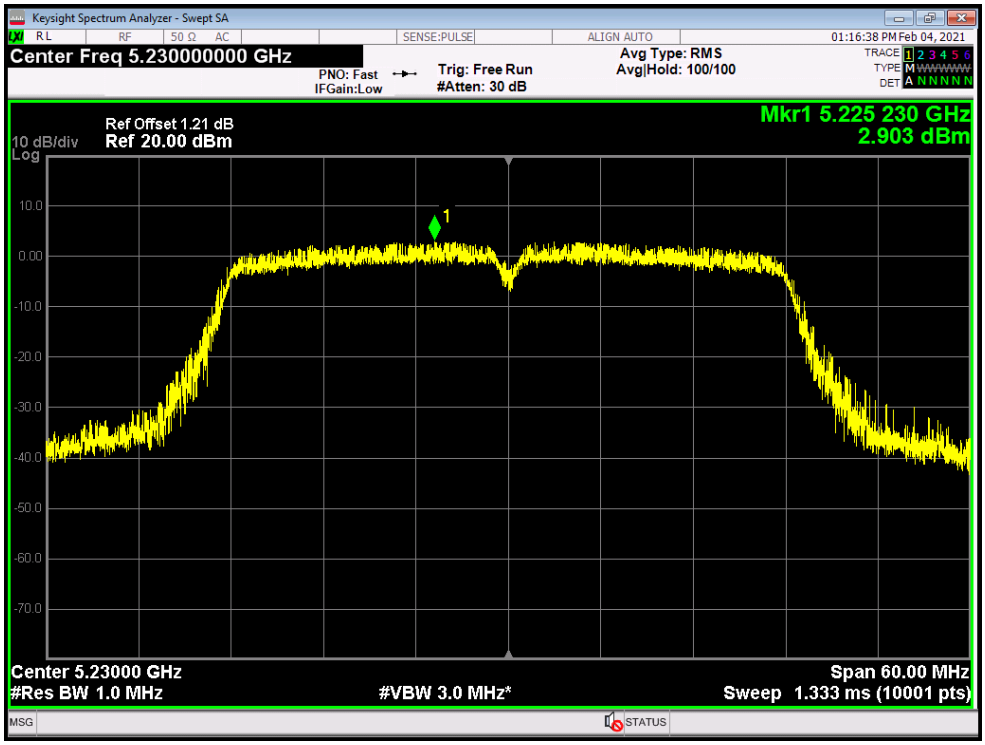
PSD NVNT n20 5240MHz Ant2



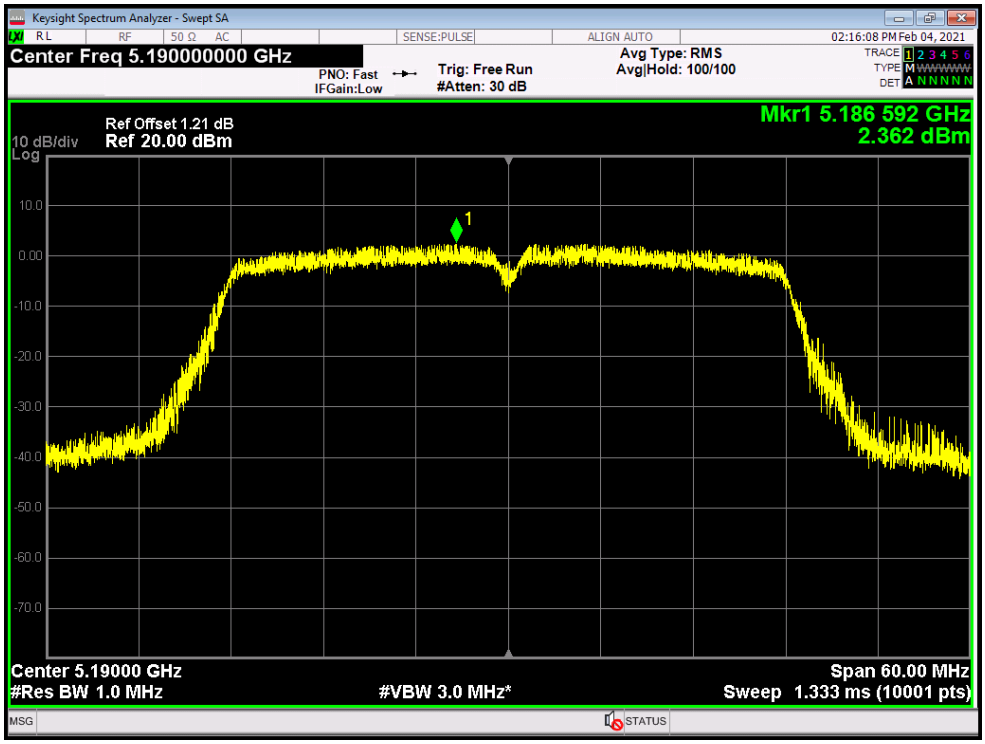
PSD NVNT n40 5190MHz Ant1



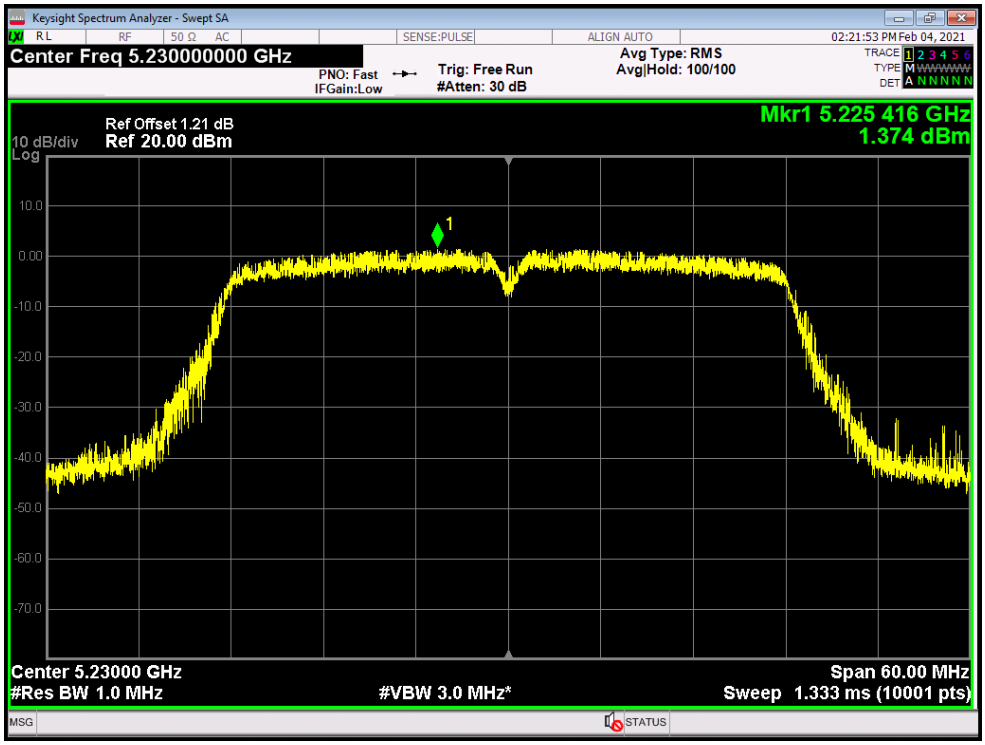
PSD NVNT n40 5230MHz Ant1



PSD NVNT n40 5190MHz Ant2



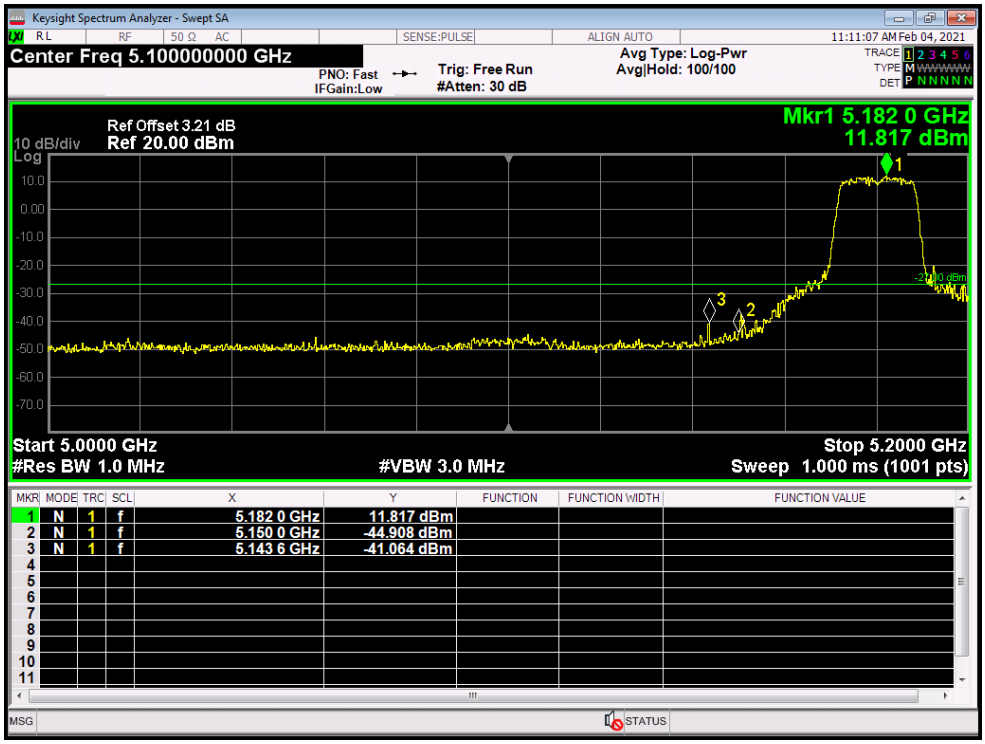
PSD NVNT n40 5230MHz Ant2



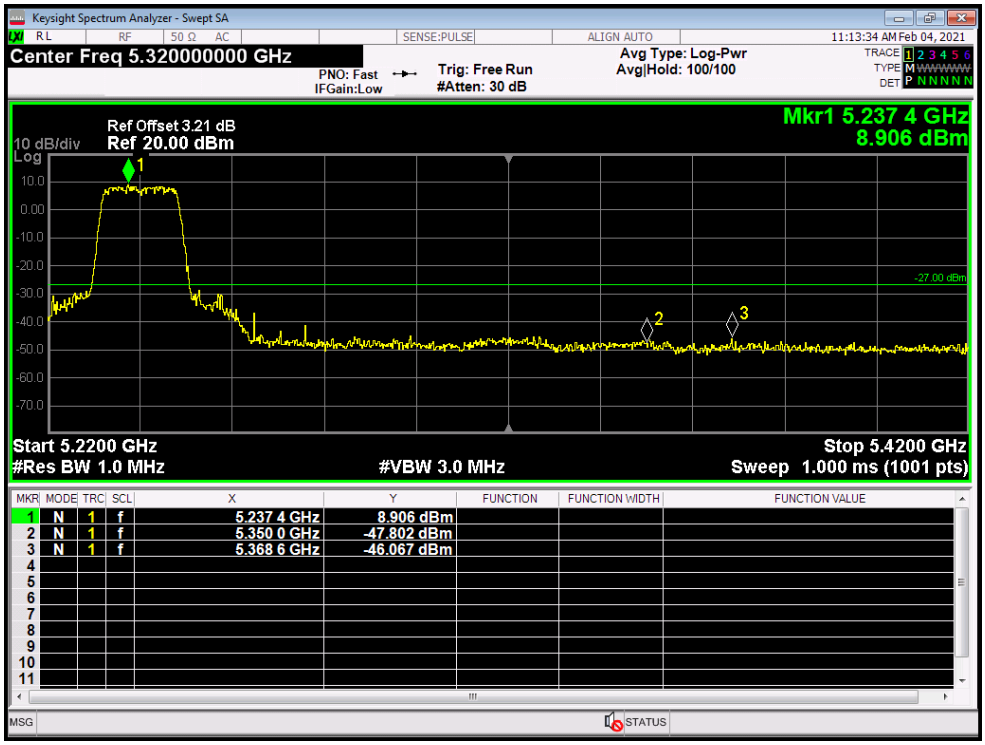
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-41.06	-27	Pass
NVNT	a	5240	Ant1	-46.06	-27	Pass
NVNT	a	5180	Ant2	-44.7	-27	Pass
NVNT	a	5240	Ant2	-46.49	-27	Pass
NVNT	ac20	5180	Ant1	-42.31	-27	Pass
NVNT	ac20	5240	Ant1	-45.98	-27	Pass
NVNT	ac20	5180	Ant2	-44.44	-27	Pass
NVNT	ac20	5240	Ant2	-46.73	-27	Pass
NVNT	ac40	5190	Ant1	-34.08	-27	Pass
NVNT	ac40	5230	Ant1	-45.8	-27	Pass
NVNT	ac40	5190	Ant2	-39.99	-27	Pass
NVNT	ac40	5230	Ant2	-46.05	-27	Pass
NVNT	ac80	5210	Ant1	-47.62	-27	Pass
NVNT	ac80	5210	Ant2	-46.91	-27	Pass
NVNT	n20	5180	Ant1	-44.28	-27	Pass
NVNT	n20	5240	Ant1	-46.31	-27	Pass
NVNT	n20	5180	Ant2	-45.2	-27	Pass
NVNT	n20	5240	Ant2	-47.04	-27	Pass
NVNT	n40	5190	Ant1	-35.15	-27	Pass
NVNT	n40	5230	Ant1	-46.33	-27	Pass
NVNT	n40	5190	Ant2	-36.86	-27	Pass
NVNT	n40	5230	Ant2	-47.11	-27	Pass

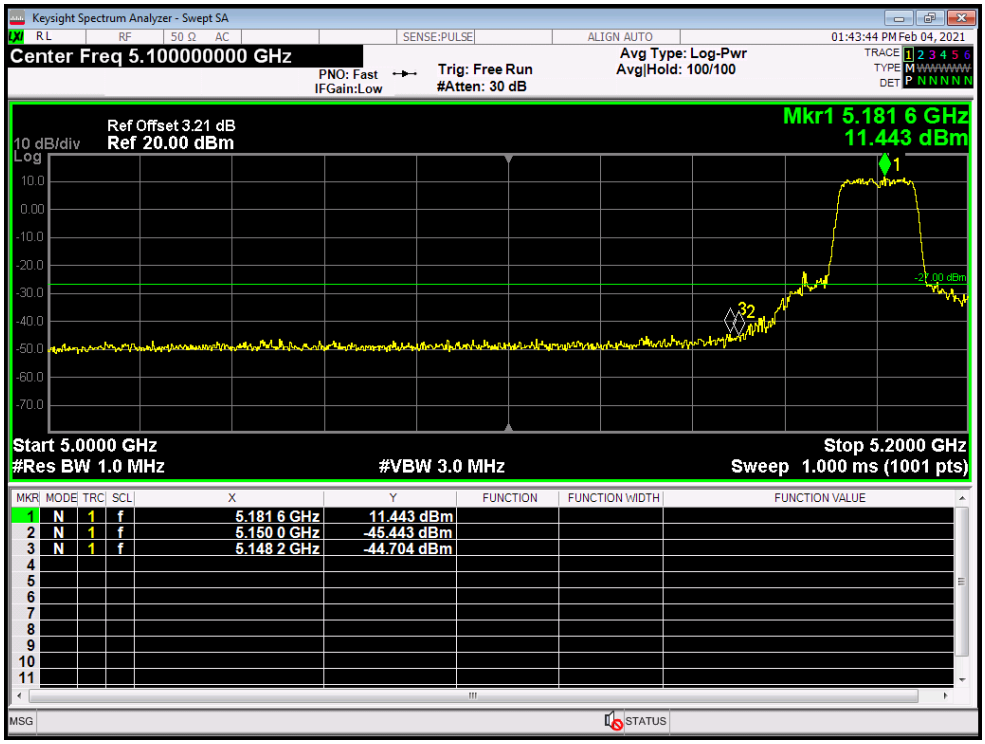
Band Edge NVNT a 5180MHz Low Ant1



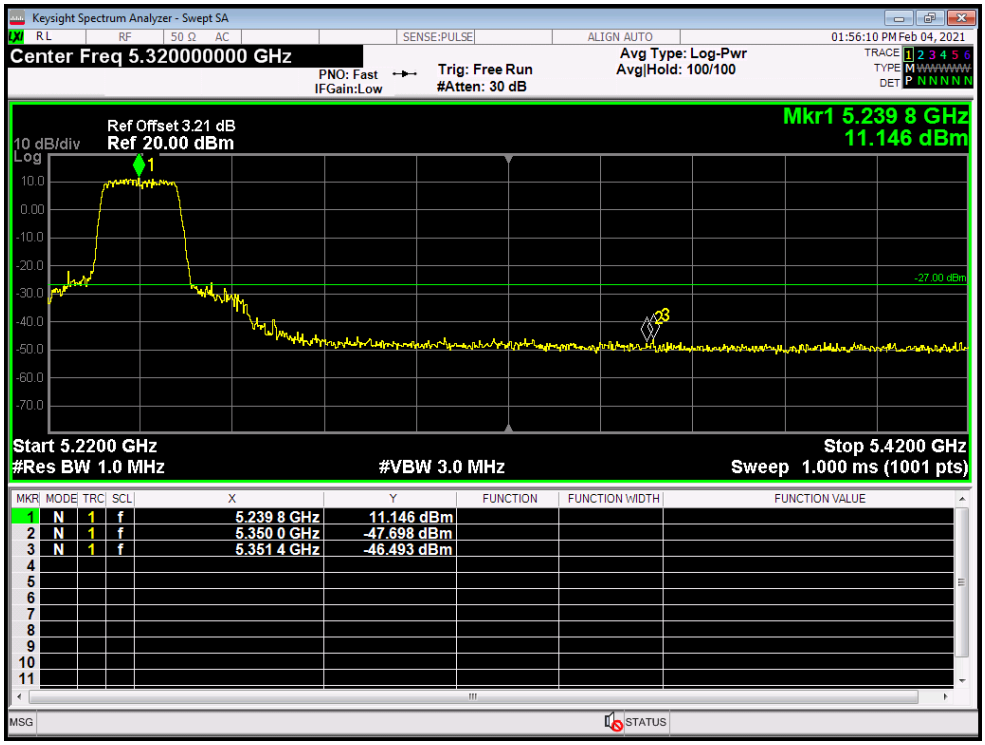
Band Edge NVNT a 5240MHz High Ant1



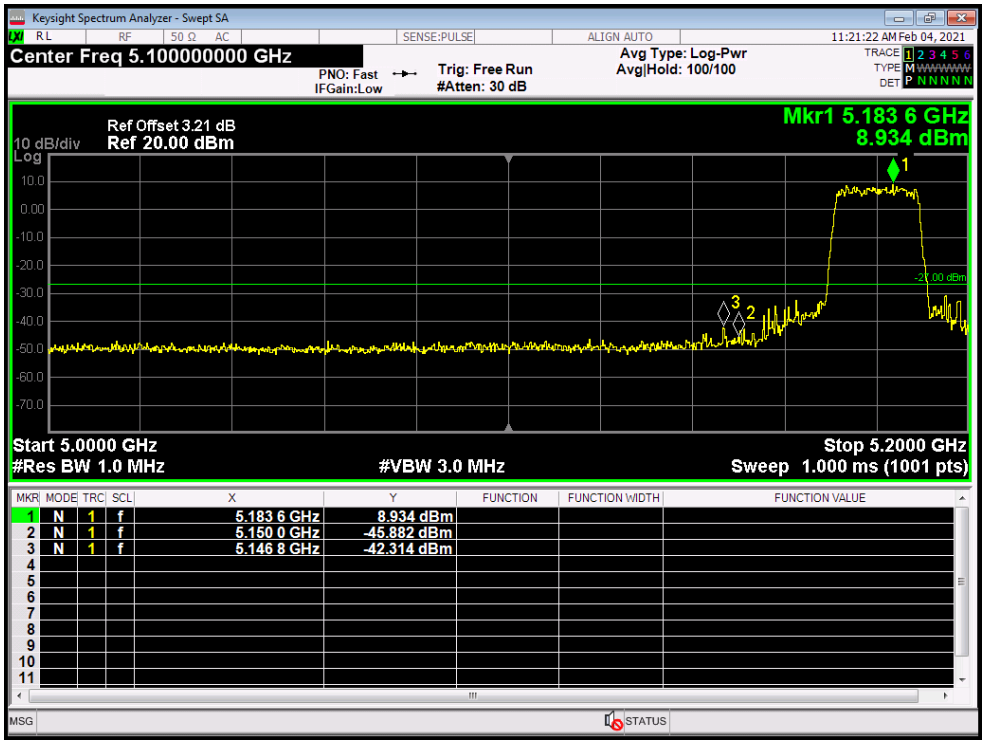
Band Edge NVNT a 5180MHz Low Ant2



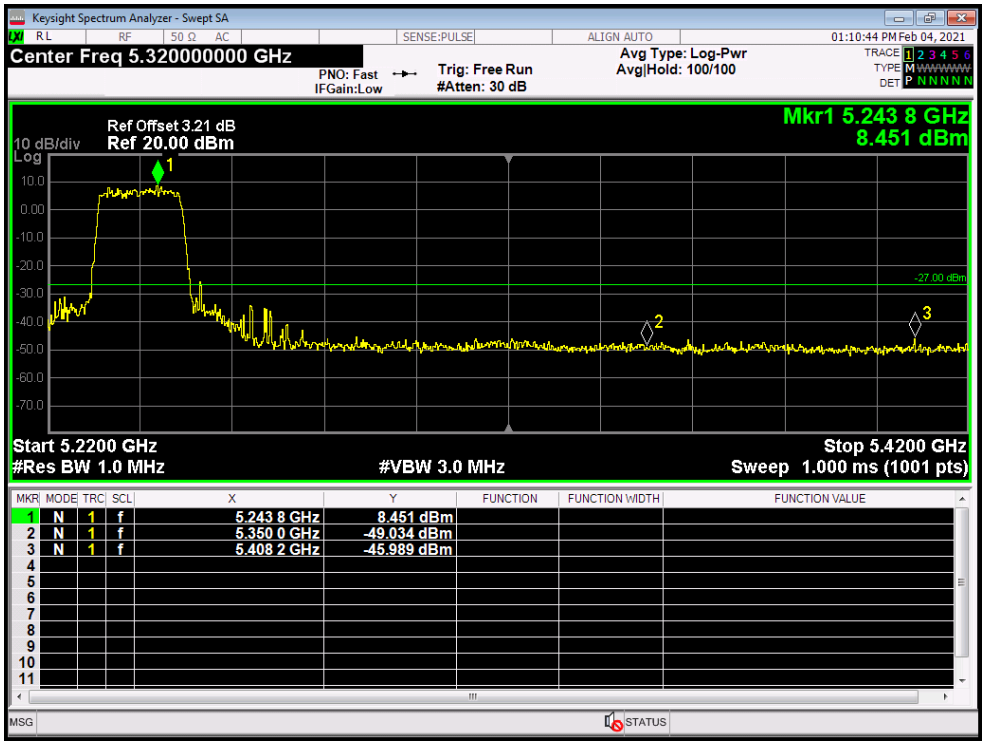
Band Edge NVNT a 5240MHz High Ant2



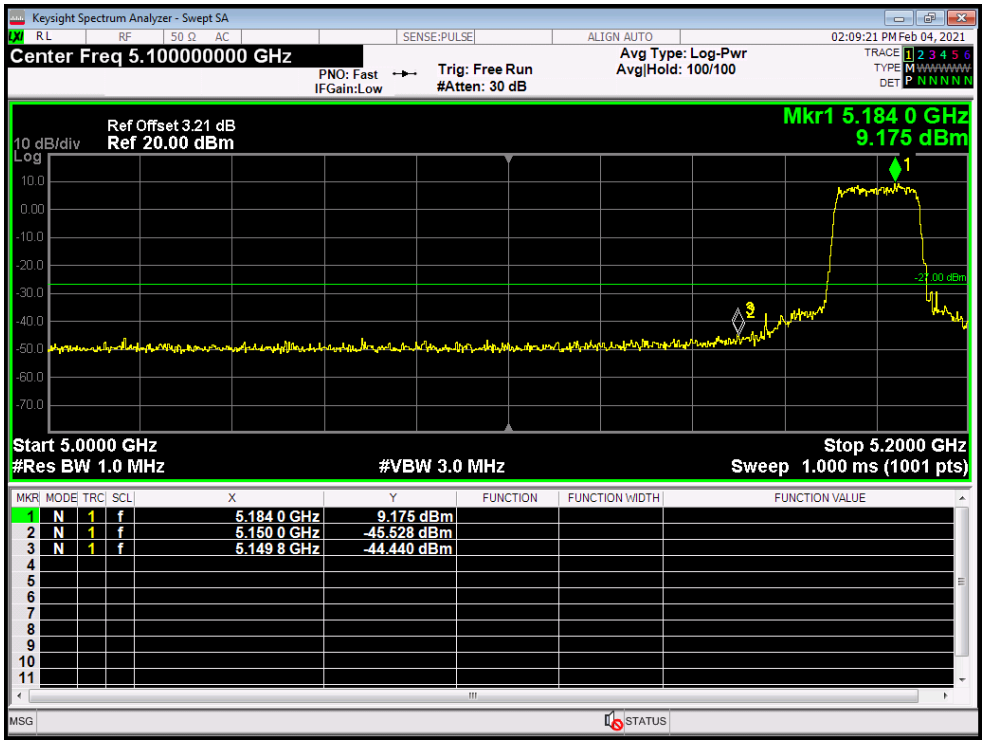
Band Edge NVNT ac20 5180MHz Low Ant1



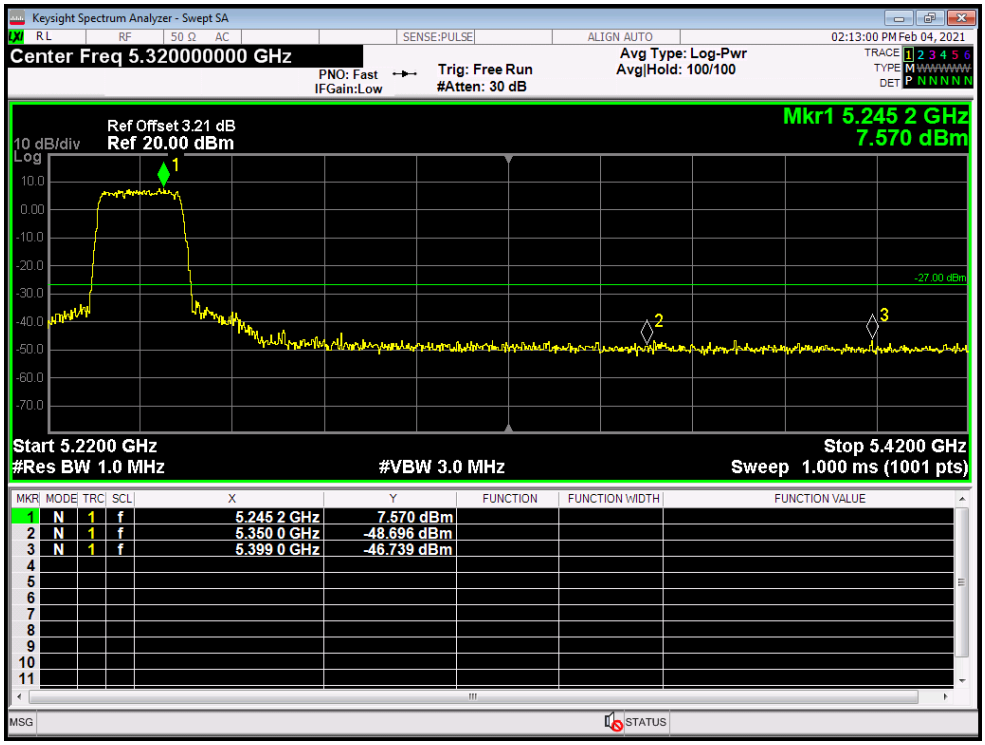
Band Edge NVNT ac20 5240MHz High Ant1



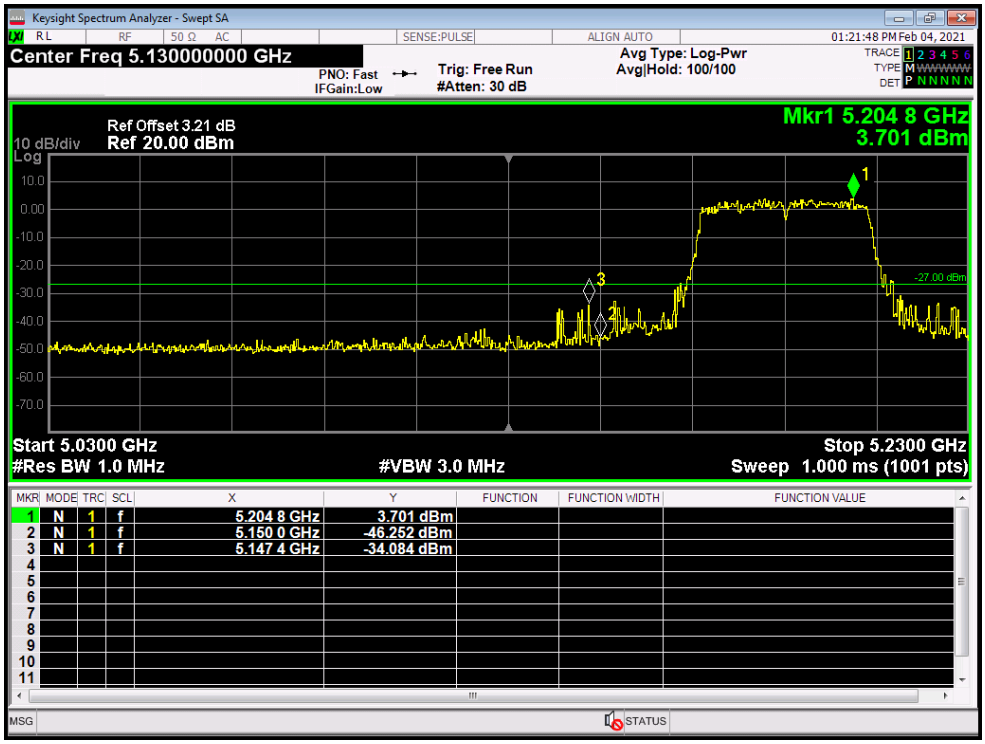
Band Edge NVNT ac20 5180MHz Low Ant2



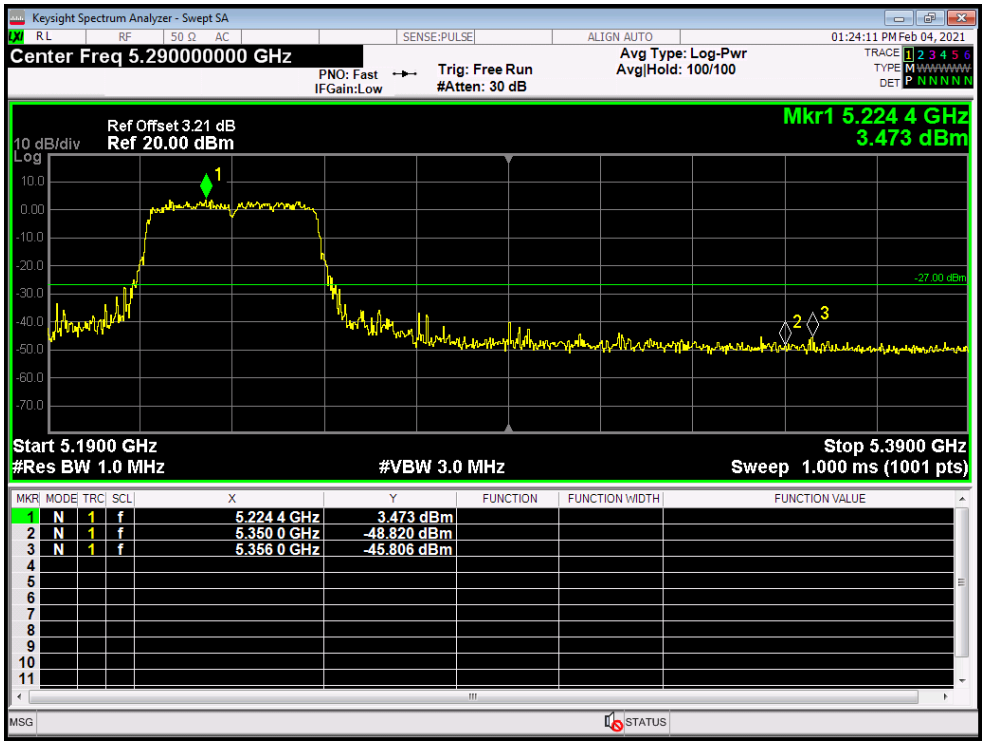
Band Edge NVNT ac20 5240MHz High Ant2



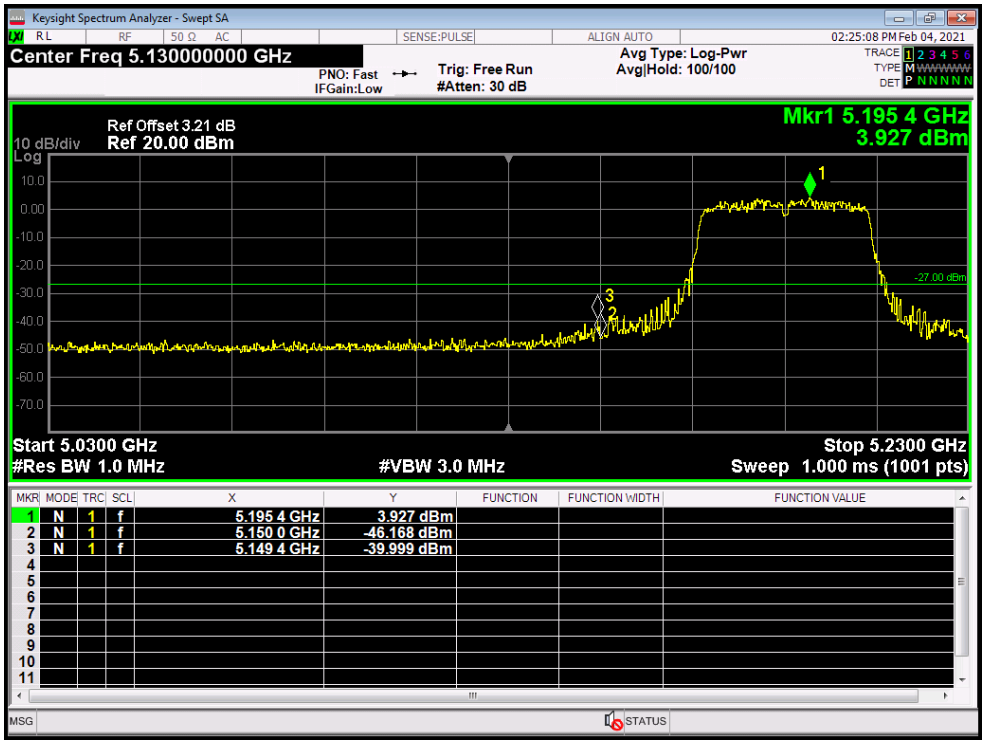
Band Edge NVNT ac40 5190MHz Low Ant1



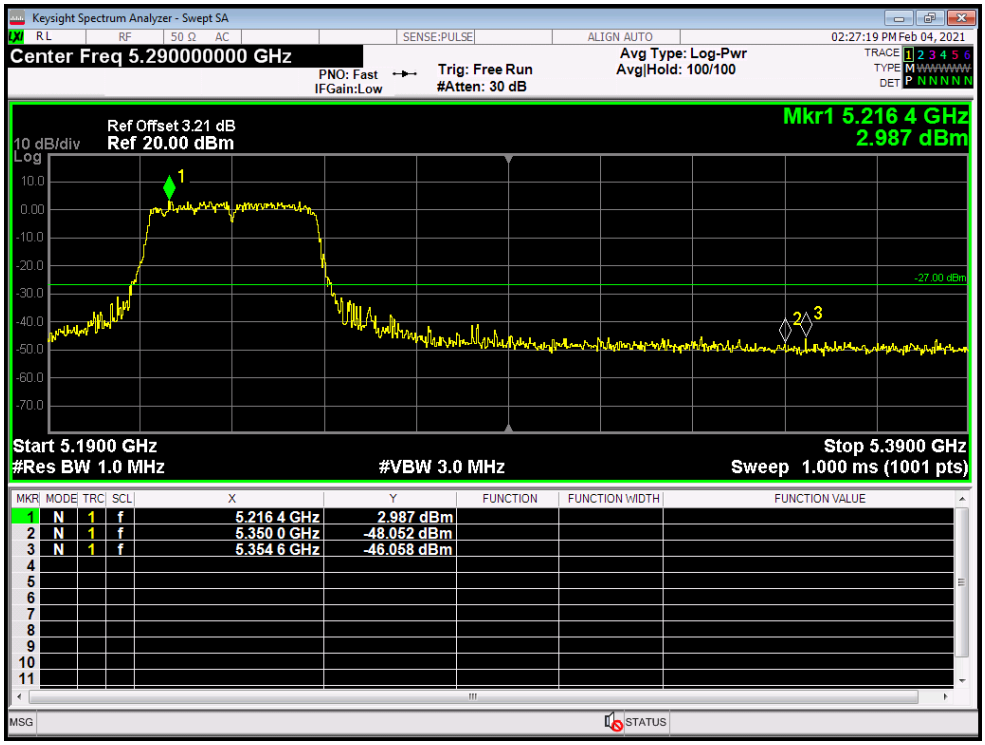
Band Edge NVNT ac40 5230MHz High Ant1



Band Edge NVNT ac40 5190MHz Low Ant2

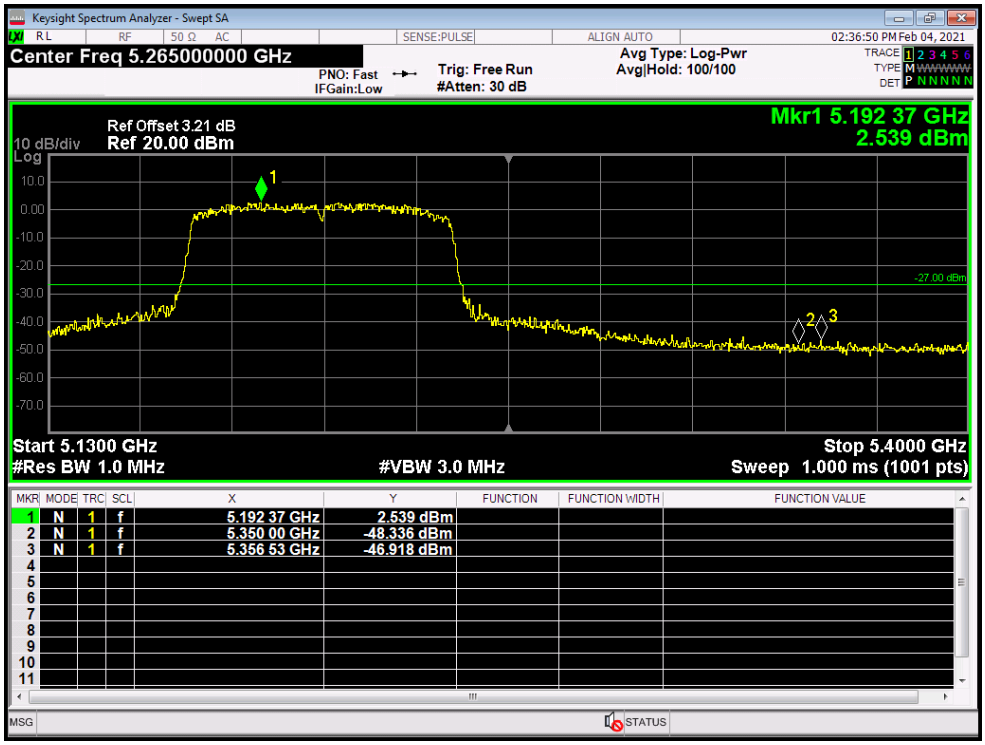


Band Edge NVNT ac40 5230MHz High Ant2

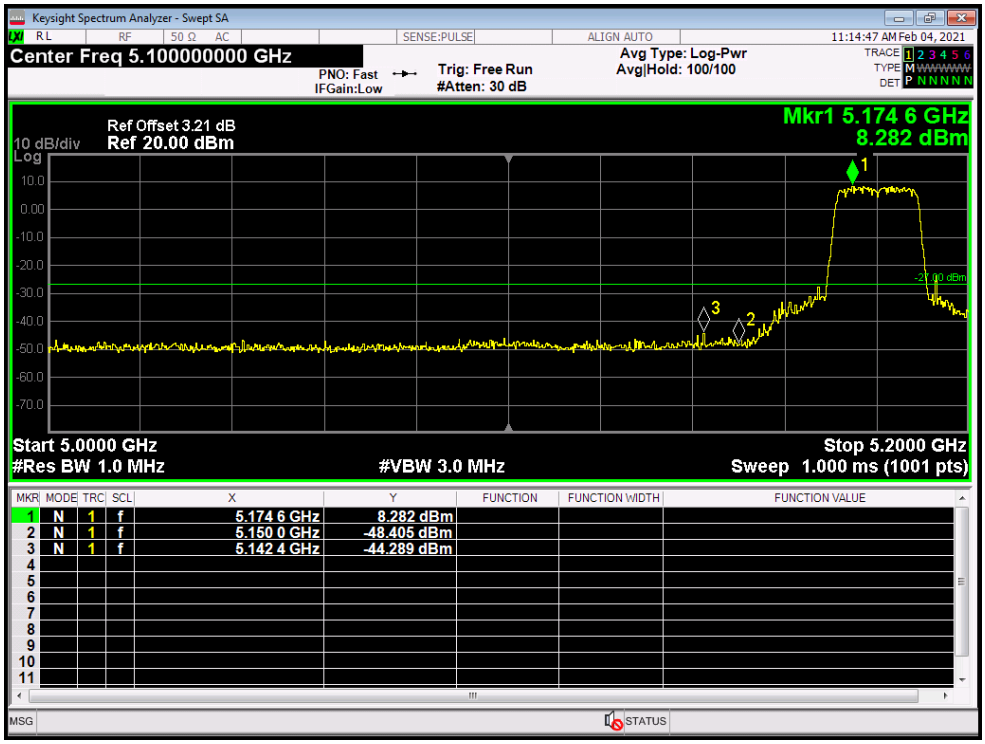


Band Edge NVNT ac80 5210MHz High Ant1

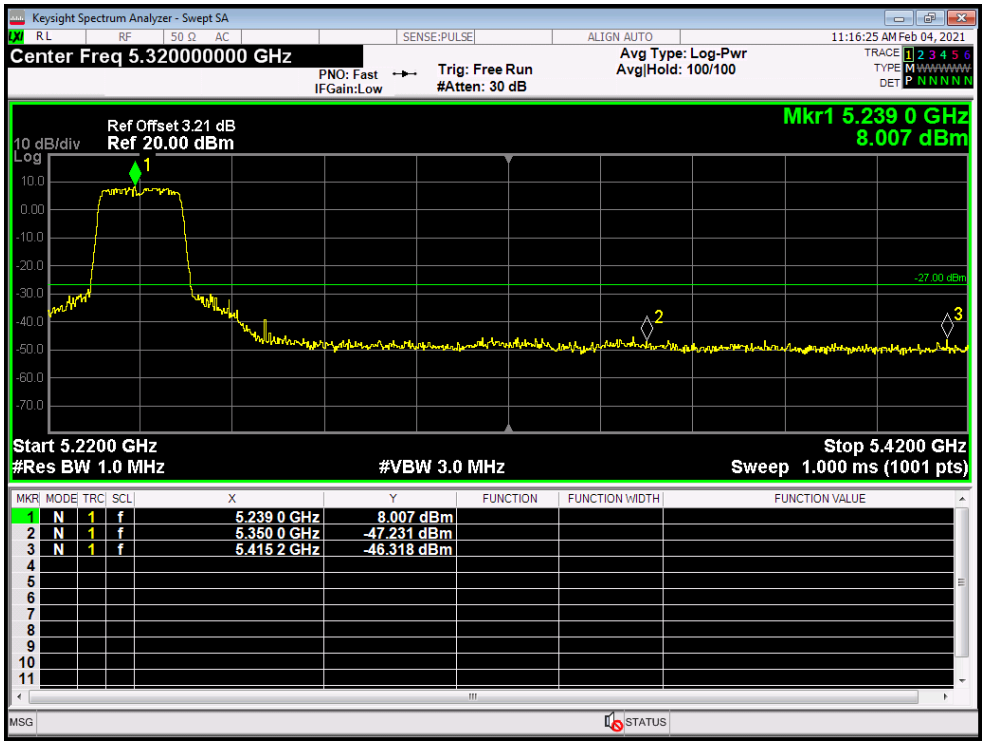
Band Edge NVNT ac80 5210MHz High Ant2



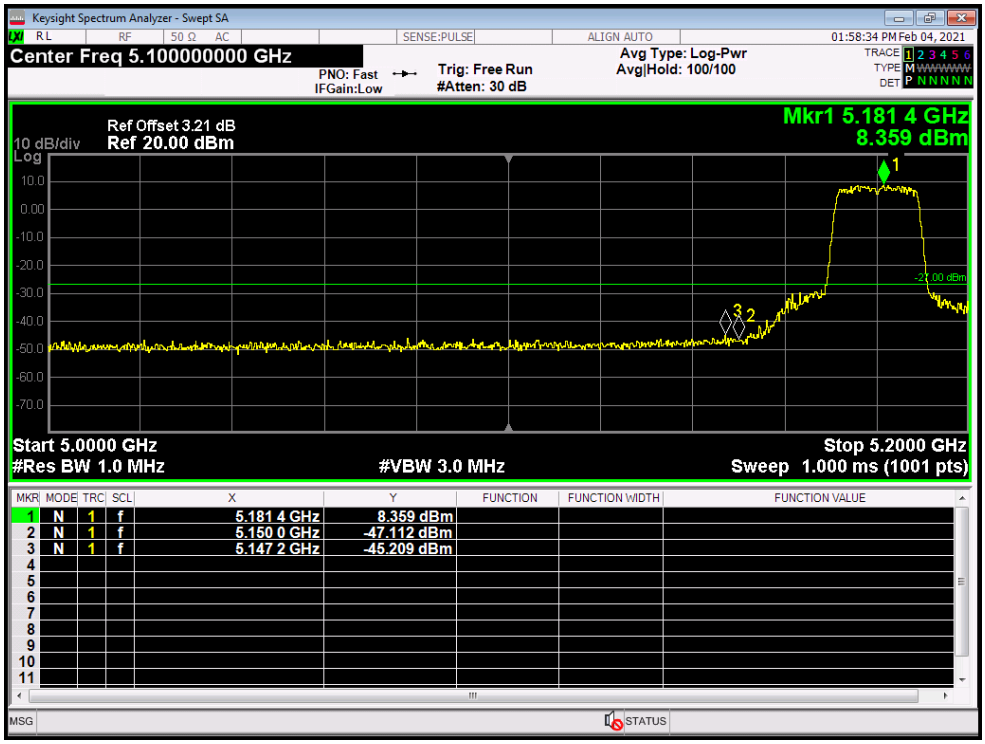
Band Edge NVNT n20 5180MHz Low Ant1



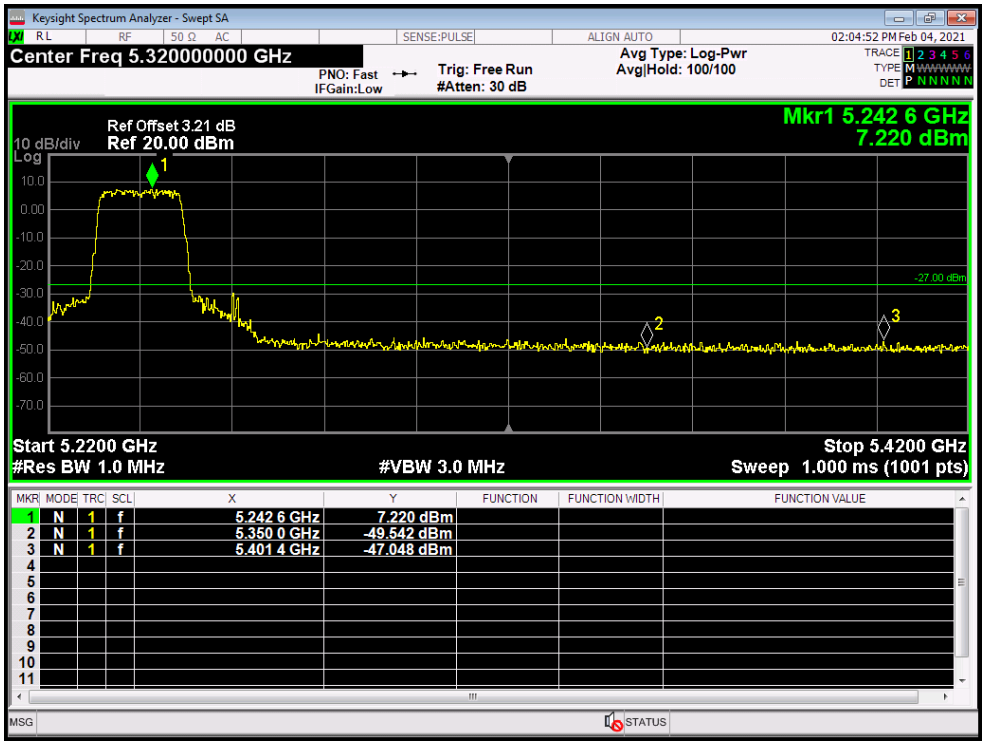
Band Edge NVNT n20 5240MHz High Ant1



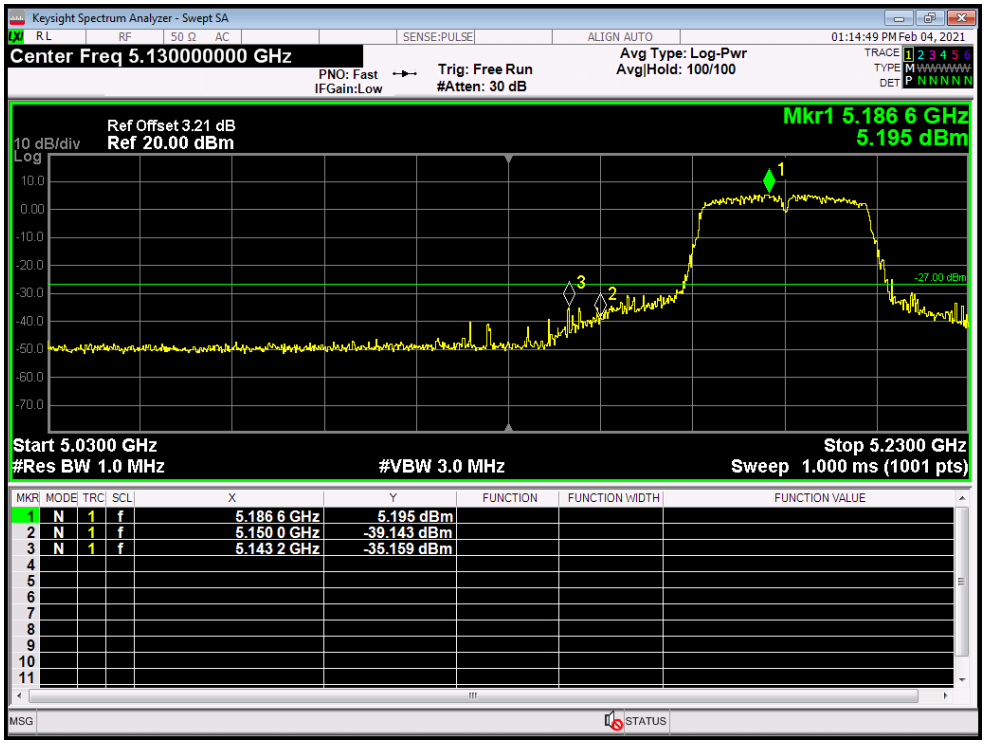
Band Edge NVNT n20 5180MHz Low Ant2



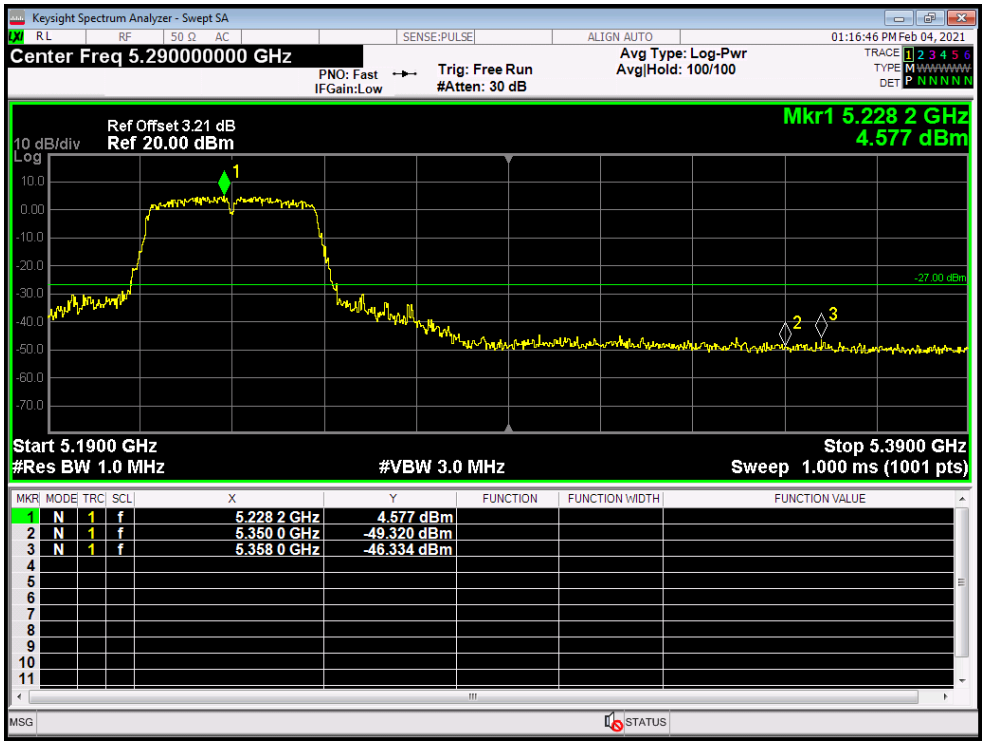
Band Edge NVNT n20 5240MHz High Ant2



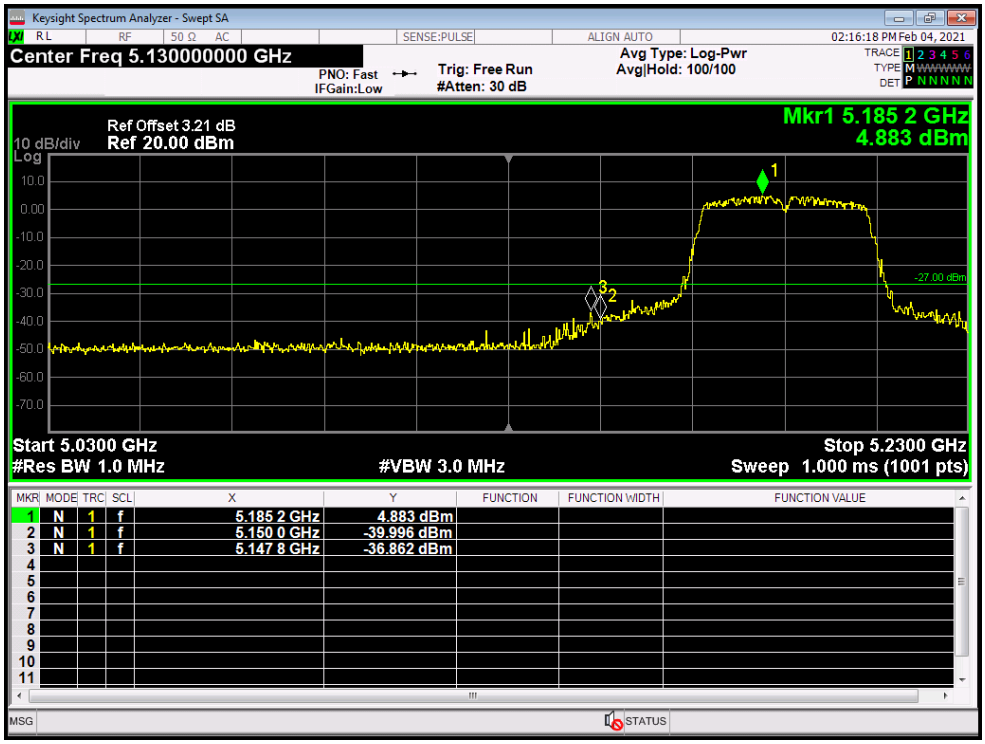
Band Edge NVNT n40 5190MHz Low Ant1



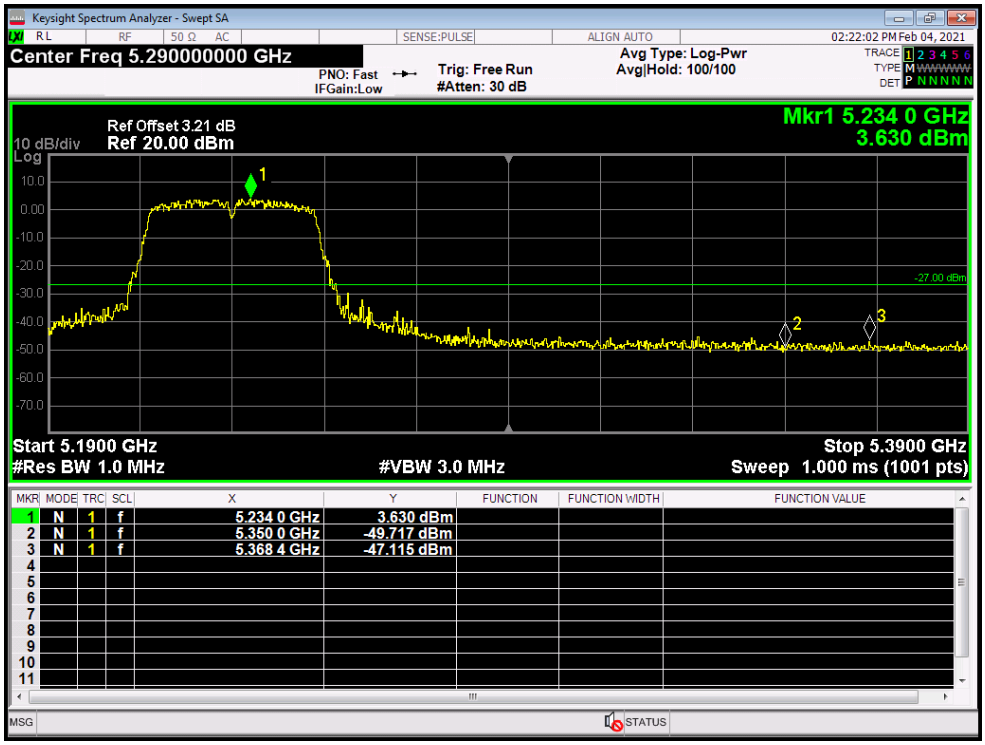
Band Edge NVNT n40 5230MHz High Ant1



Band Edge NVNT n40 5190MHz Low Ant2



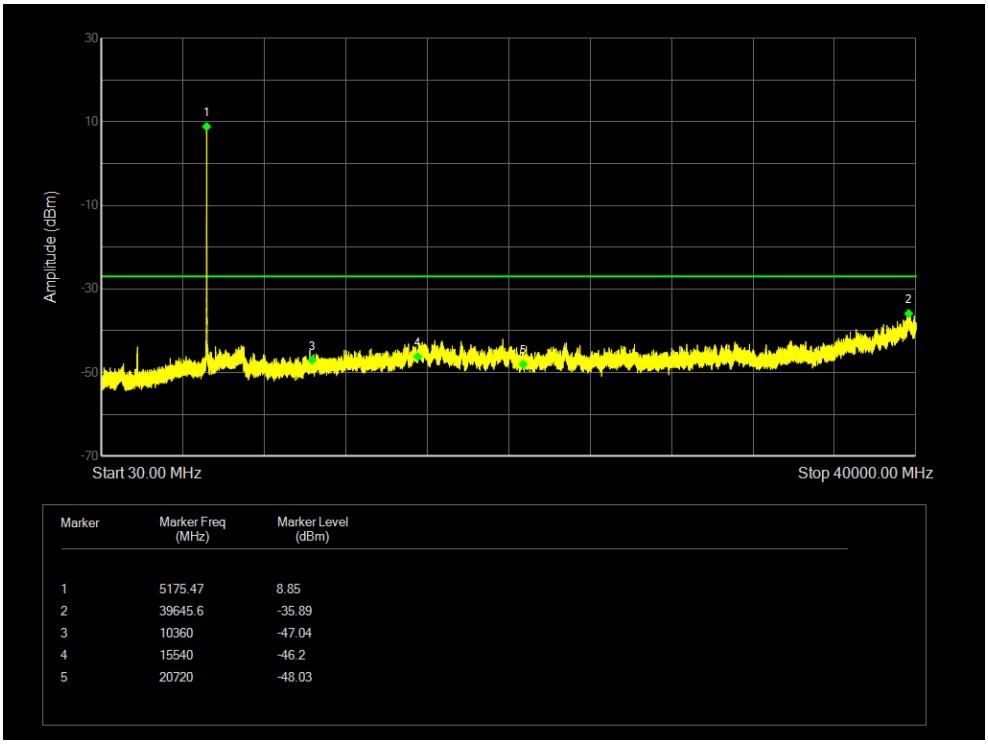
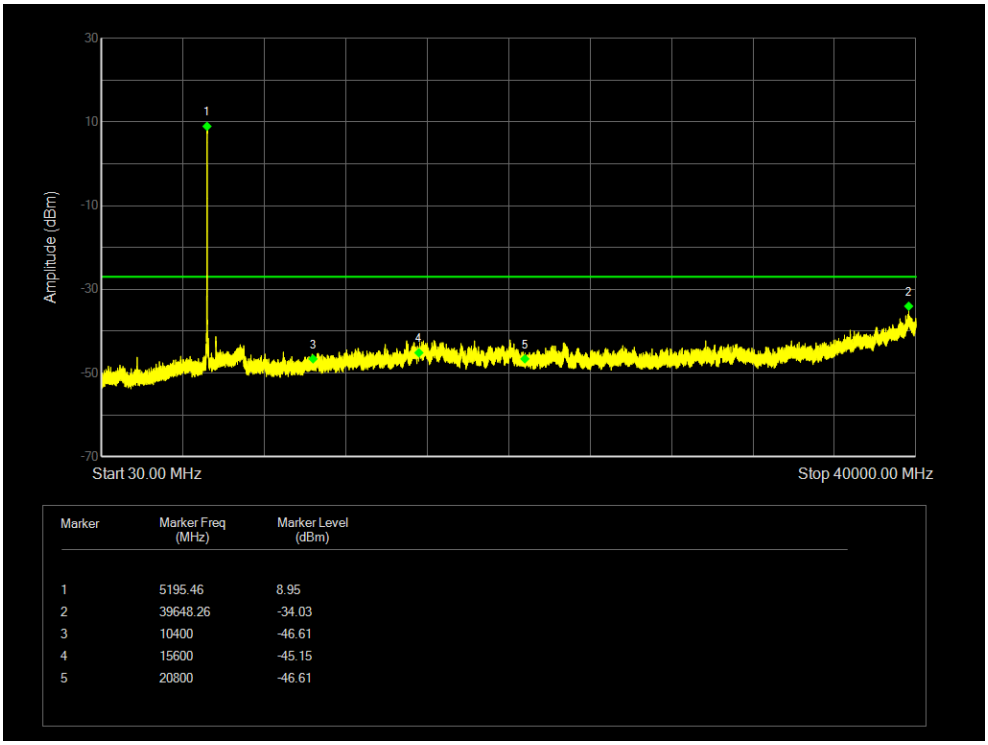
Band Edge NVNT n40 5230MHz High Ant2



Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5180	Ant 1	-35.89	-27	Pass
NVNT	802.11a	5200	Ant 1	-34.03	-27	Pass
NVNT	802.11a	5240	Ant 1	-35.29	-27	Pass
NVNT	802.11a	5180	Ant 2	-32.73	-27	Pass
NVNT	802.11a	5200	Ant 2	-32.81	-27	Pass
NVNT	802.11a	5240	Ant 2	-32.42	-27	Pass
NVNT	802.11ac20	5180	Ant 1	-36.11	-27	Pass
NVNT	802.11ac20	5200	Ant 1	-36.01	-27	Pass
NVNT	802.11ac20	5240	Ant 1	-36.18	-27	Pass
NVNT	802.11ac20	5180	Ant 2	-28.66	-27	Pass
NVNT	802.11ac20	5200	Ant 2	-30.04	-27	Pass
NVNT	802.11ac20	5240	Ant 2	-33.89	-27	Pass
NVNT	802.11ac40	5190	Ant 1	-36.38	-27	Pass
NVNT	802.11ac40	5230	Ant 1	-35.1	-27	Pass
NVNT	802.11ac40	5190	Ant 2	-32.73	-27	Pass
NVNT	802.11ac40	5230	Ant 2	-28.91	-27	Pass
NVNT	802.11ac80	5210	Ant 1	-36.3	-27	Pass
NVNT	802.11ac80	5210	Ant 2	-32.78	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-35.9	-27	Pass
NVNT	802.11n(HT20)	5200	Ant 1	-36.07	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-35.18	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 2	-32.76	-27	Pass
NVNT	802.11n(HT20)	5200	Ant 2	-32.36	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 2	-32.83	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-36.2	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-35.91	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 2	-32.93	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 2	-31.34	-27	Pass

Tx. Spurious NVNT 802.11a 5180MHz Ant 1 Emission



Tx. Spurious NVNT 802.11a 5200MHz Ant 1 Emission