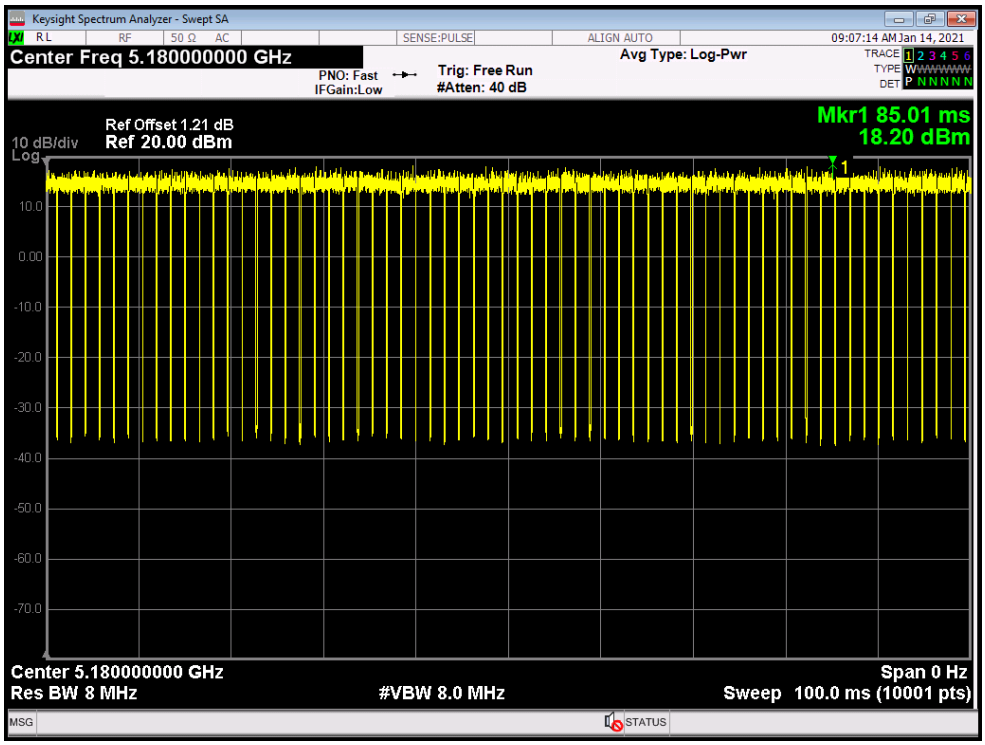
5.2G

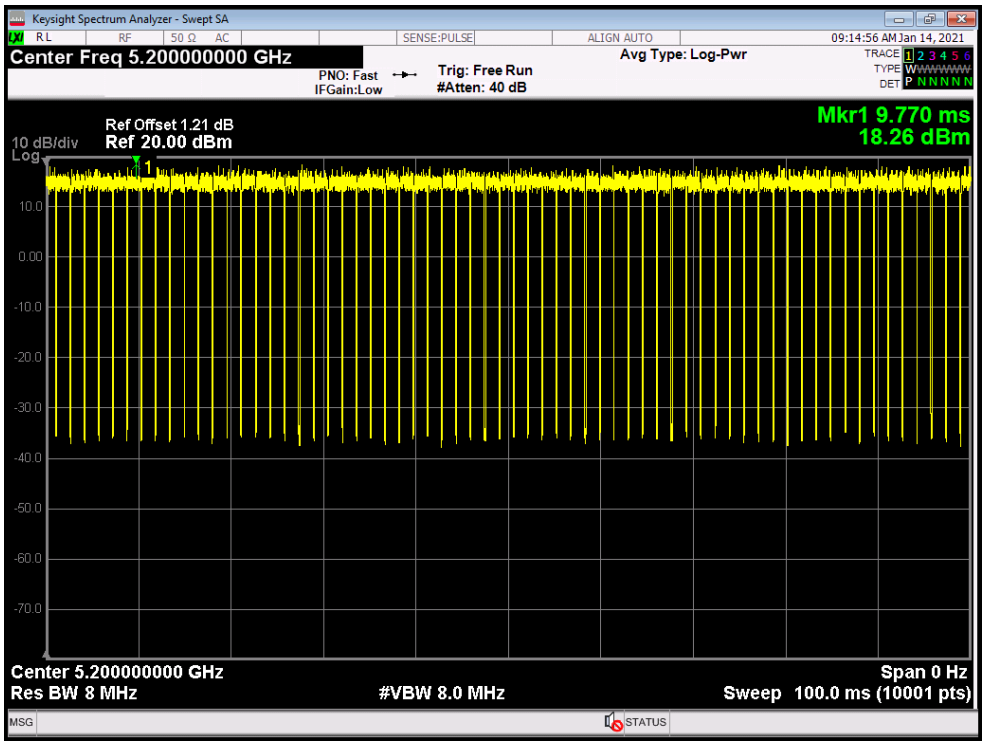
Duty Cycle

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	93.14	0.31
NVNT	ac20	5200	Ant1	92.9	0.32
NVNT	ac20	5240	Ant1	93.03	0.31
NVNT	ac20	5180	Ant2	92.86	0.32
NVNT	ac20	5200	Ant2	92.69	0.33
NVNT	ac20	5240	Ant2	92.83	0.32
NVNT	ac40	5190	Ant1	86.67	0.62
NVNT	ac40	5230	Ant1	86.86	0.61
NVNT	ac40	5190	Ant2	87.28	0.59
NVNT	ac40	5230	Ant2	86.85	0.61
NVNT	ac80	5210	Ant1	77.27	1.12
NVNT	ac80	5210	Ant2	76.89	1.14
NVNT	n20	5180	Ant1	100	0
NVNT	n20	5200	Ant1	92.57	0.34
NVNT	n20	5240	Ant1	92.49	0.34
NVNT	n20	5180	Ant2	100	0
NVNT	n20	5200	Ant2	92.77	0.33
NVNT	n20	5240	Ant2	92.5	0.34
NVNT	n40	5190	Ant1	86.46	0.63
NVNT	n40	5230	Ant1	86.5	0.63
NVNT	n40	5190	Ant2	86.6	0.62
NVNT	n40	5230	Ant2	86.53	0.63

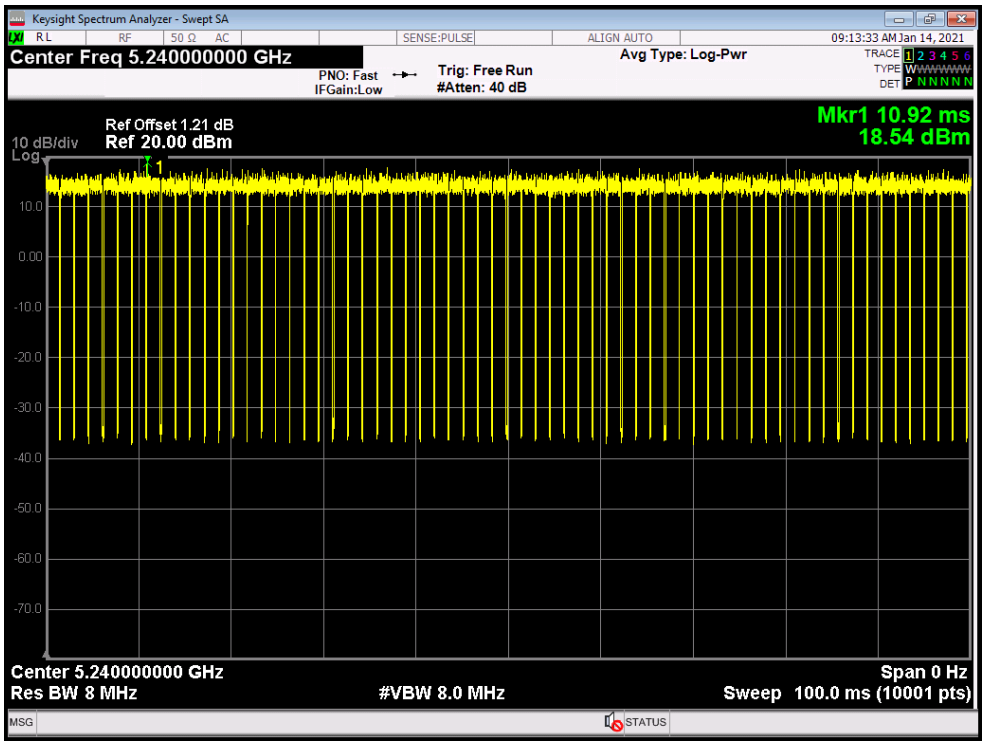
Duty Cycle NVNT a 5180MHz Ant1



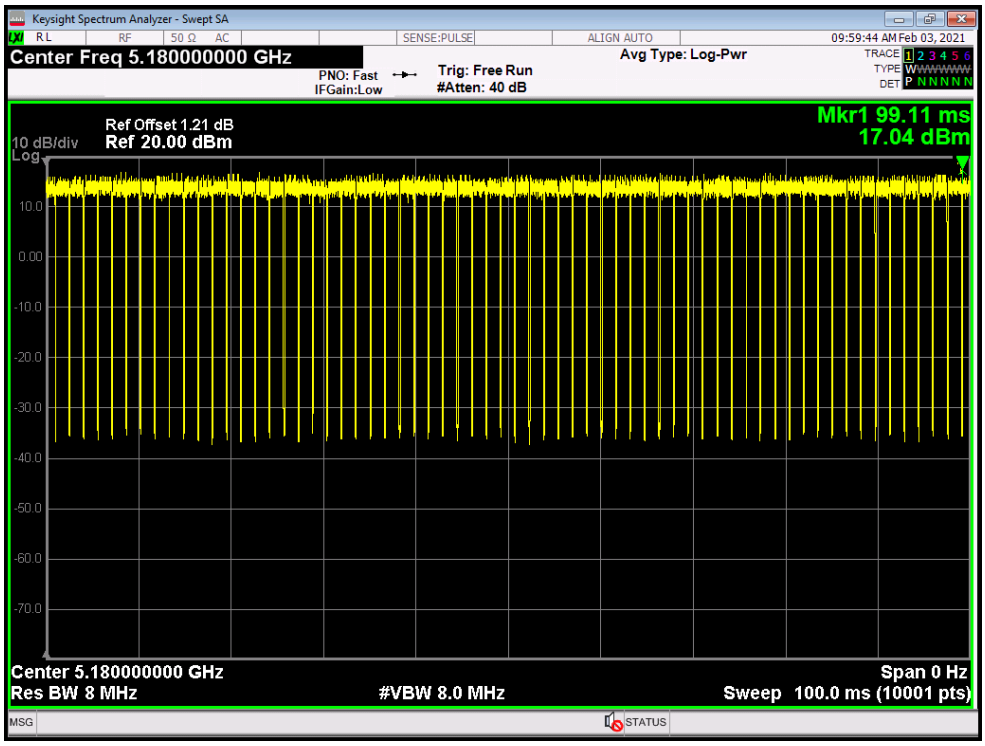
Duty Cycle NVNT a 5200MHz Ant1



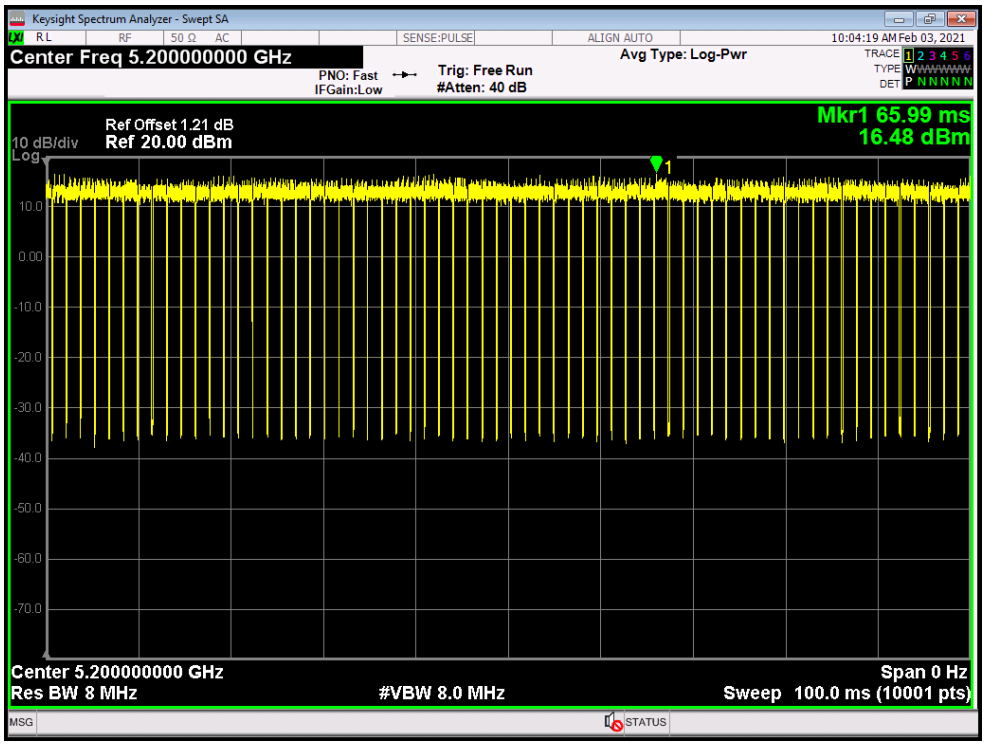
Duty Cycle NVNT a 5240MHz Ant1



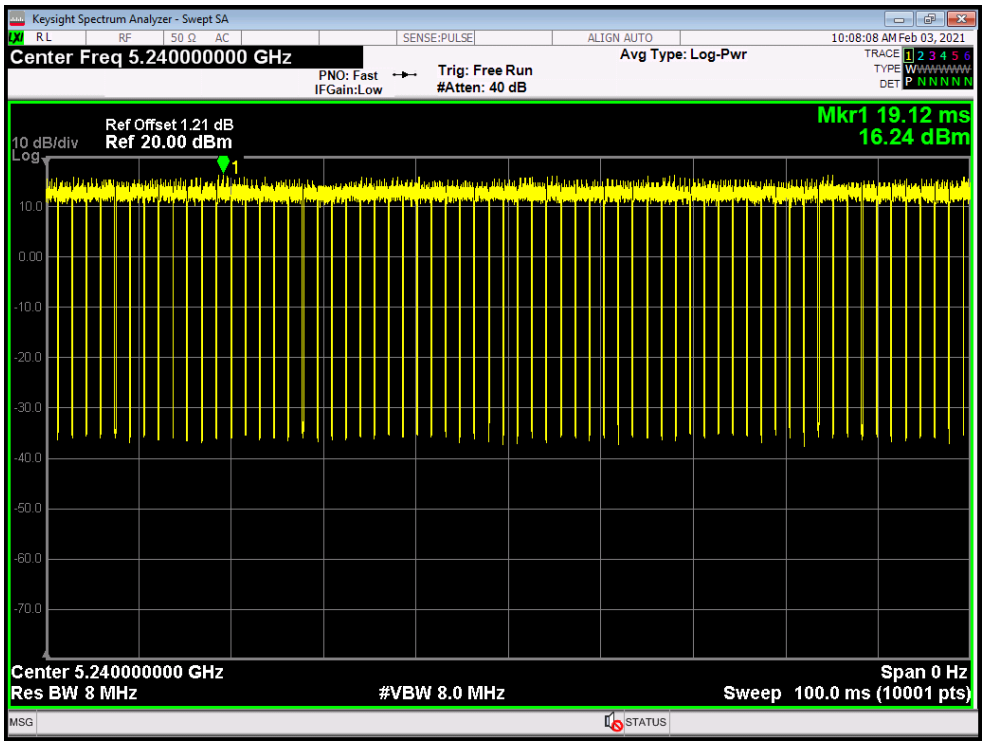
Duty Cycle NVNT a 5180MHz Ant2



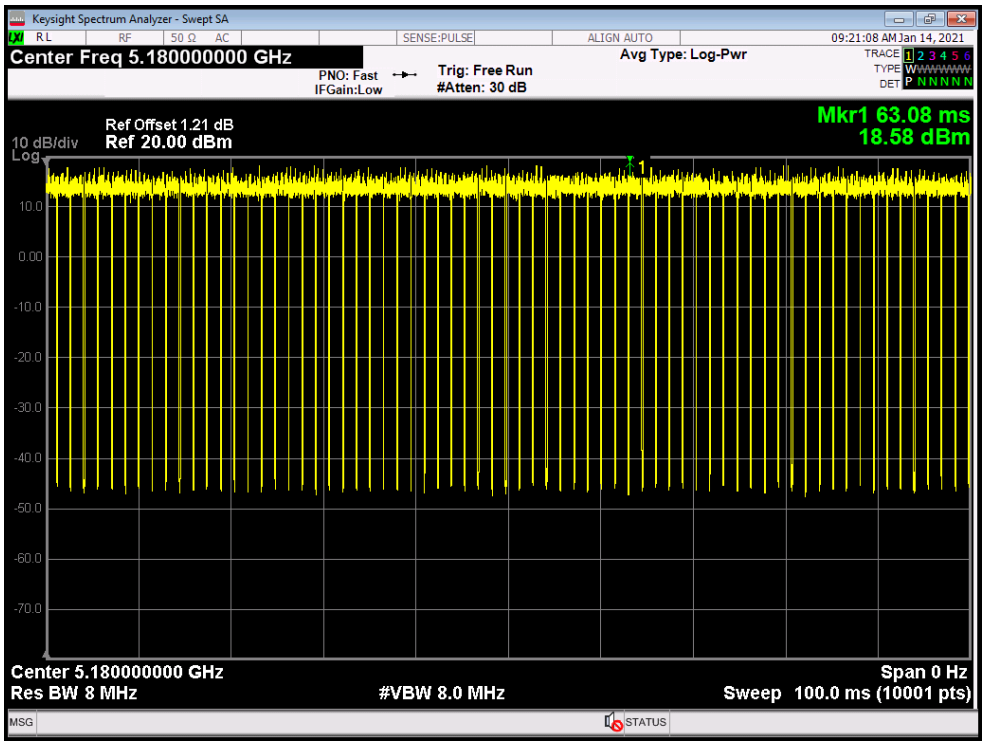
Duty Cycle NVNT a 5200MHz Ant2



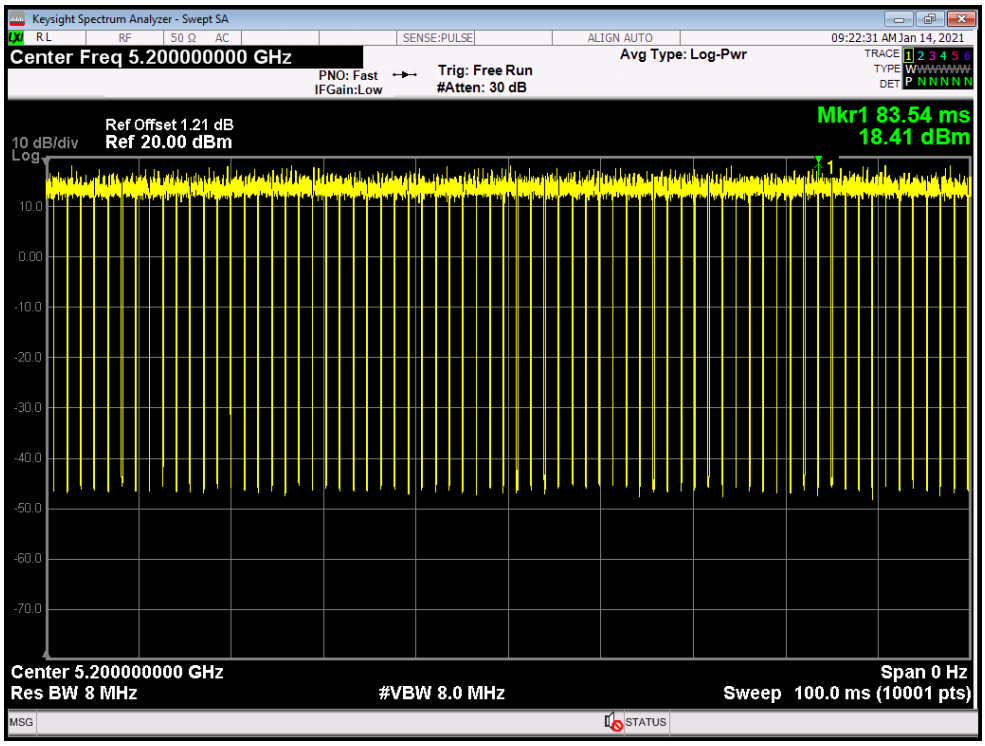
Duty Cycle NVNT a 5240MHz Ant2



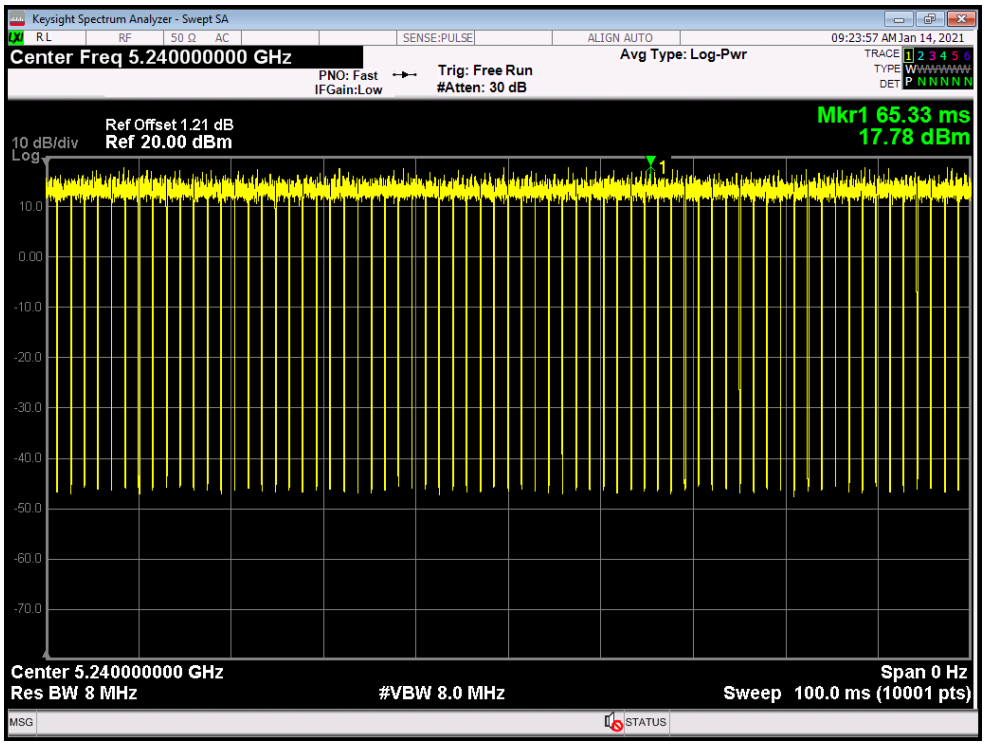
Duty Cycle NVNT ac20 5180MHz Ant1



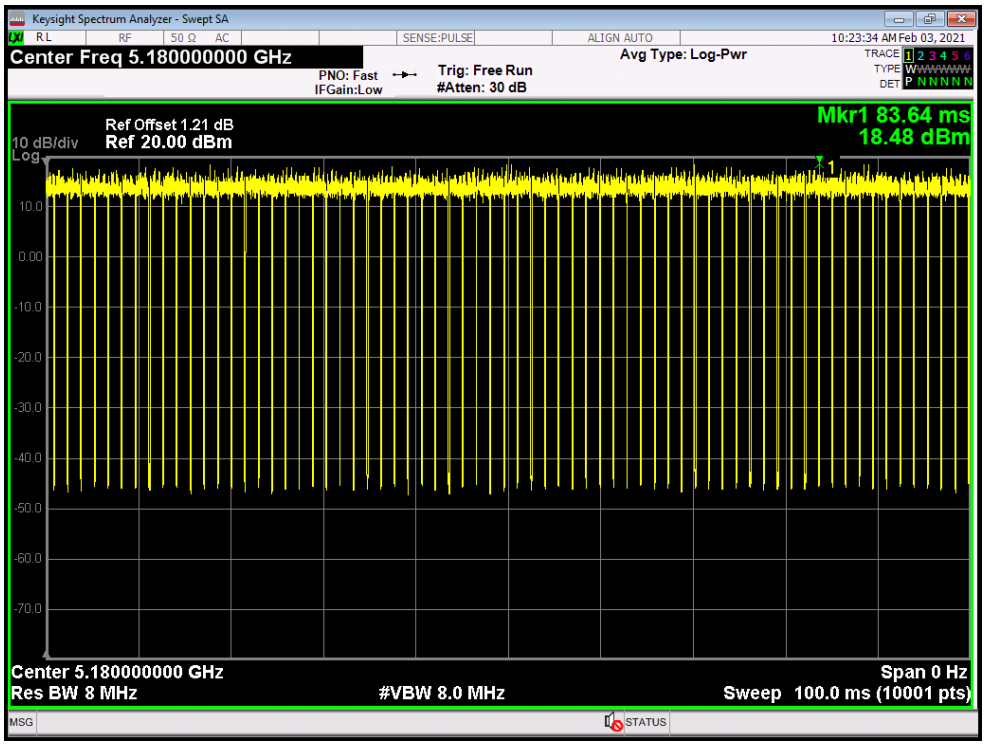
Duty Cycle NVNT ac20 5200MHz Ant1



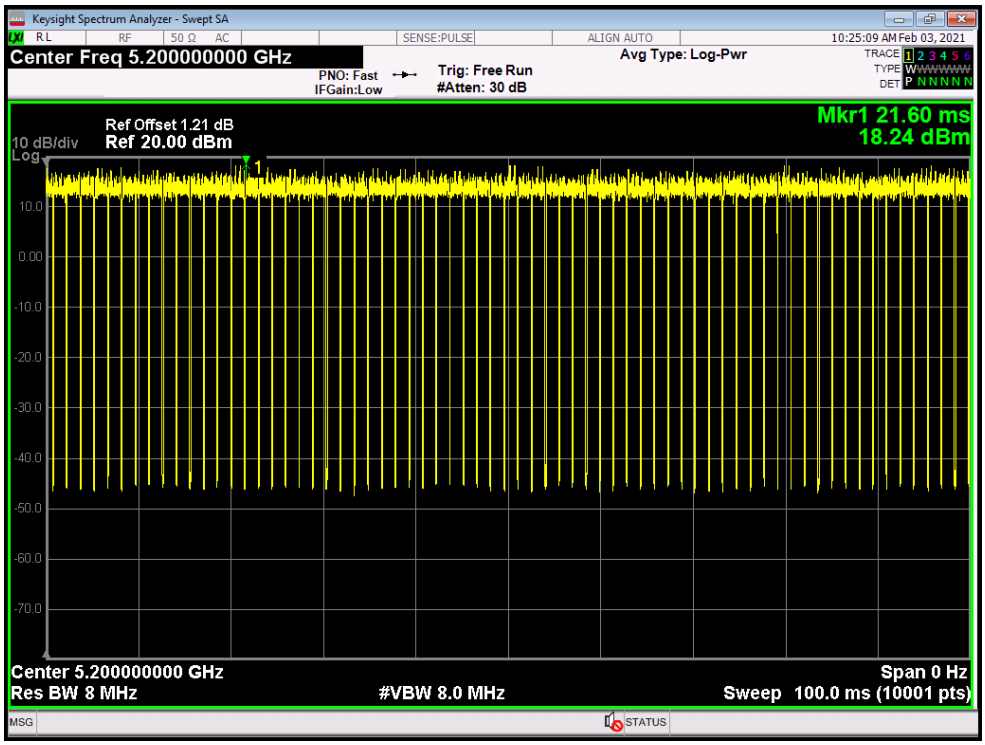
Duty Cycle NVNT ac20 5240MHz Ant1



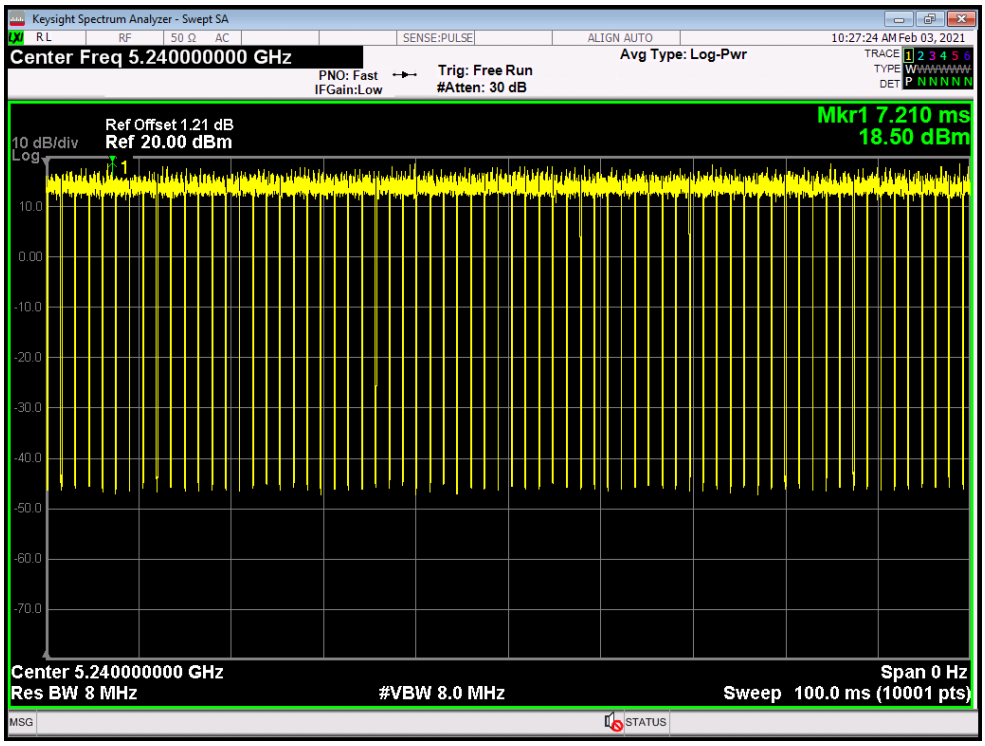
Duty Cycle NVNT ac20 5180MHz Ant2



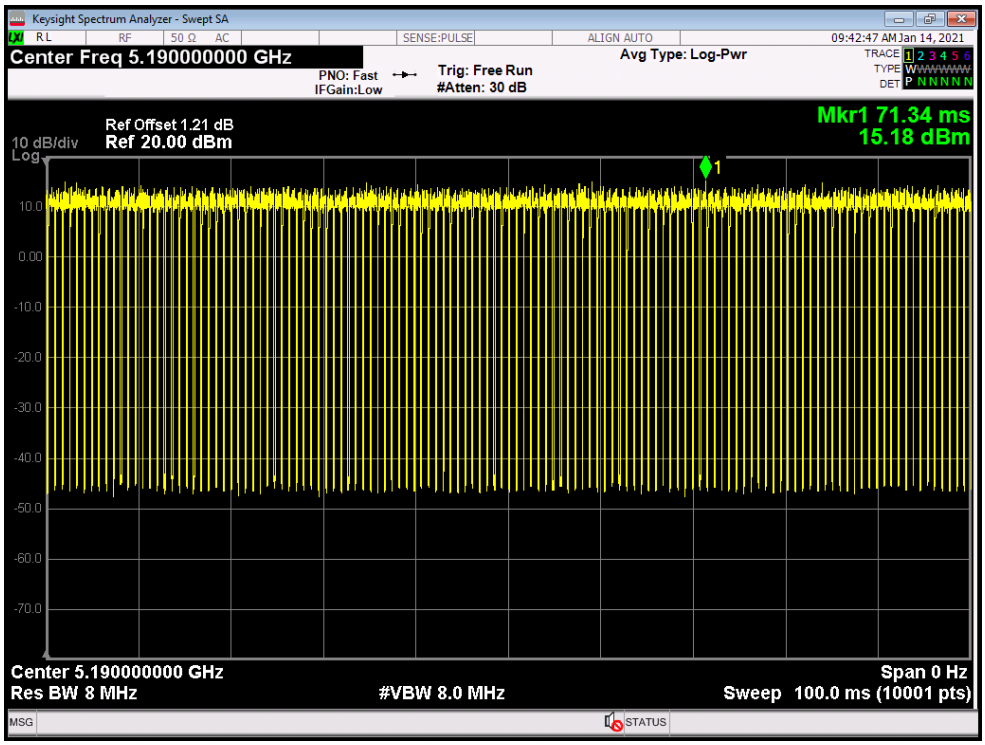
Duty Cycle NVNT ac20 5200MHz Ant2



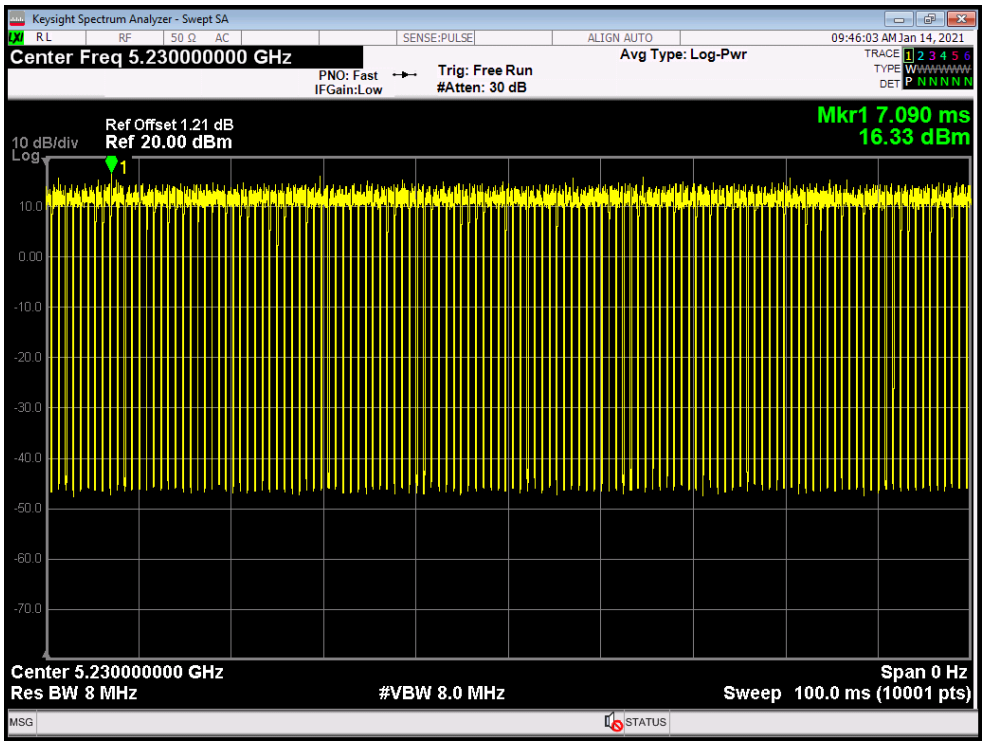
Duty Cycle NVNT ac20 5240MHz Ant2



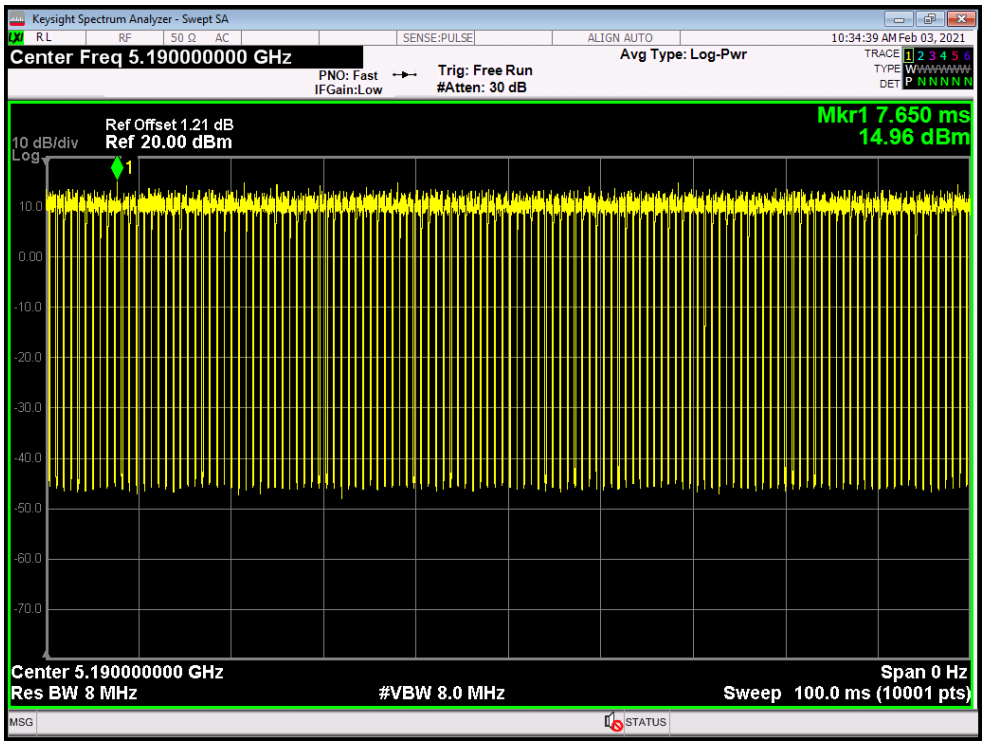
Duty Cycle NVNT ac40 5190MHz Ant1



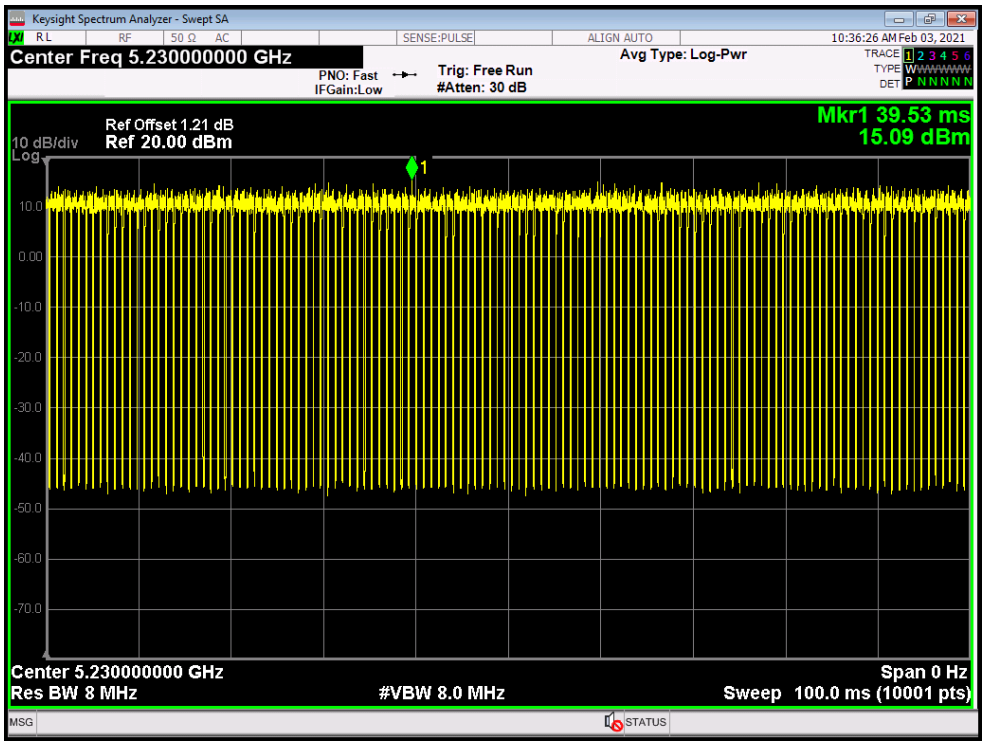
Duty Cycle NVNT ac40 5230MHz Ant1



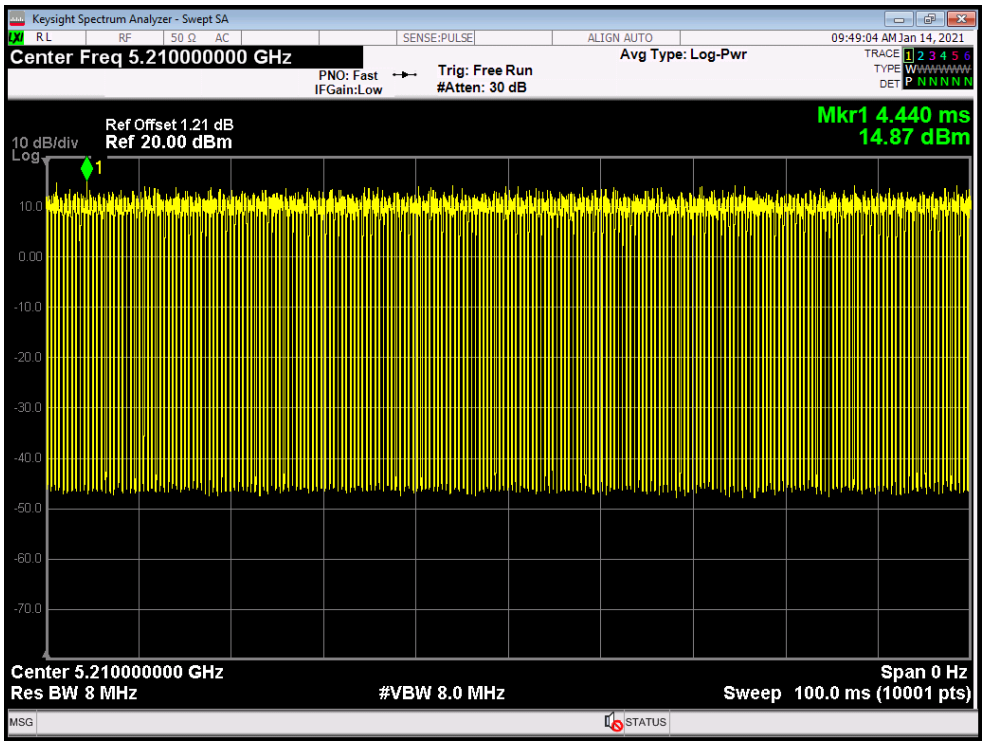
Duty Cycle NVNT ac40 5190MHz Ant2



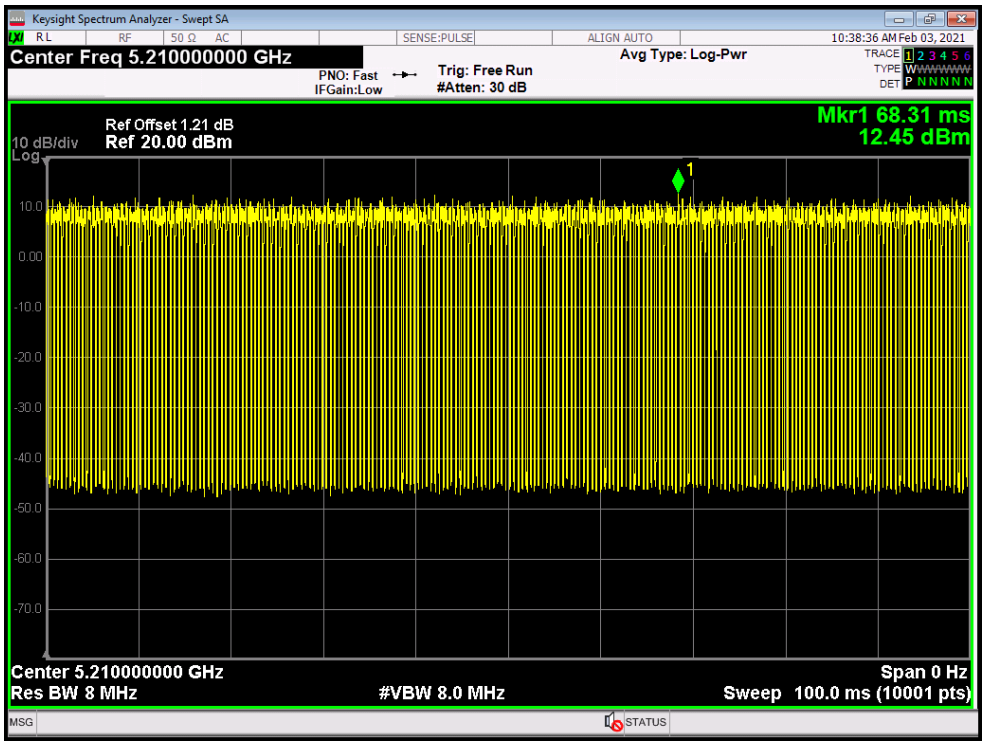
Duty Cycle NVNT ac40 5230MHz Ant2



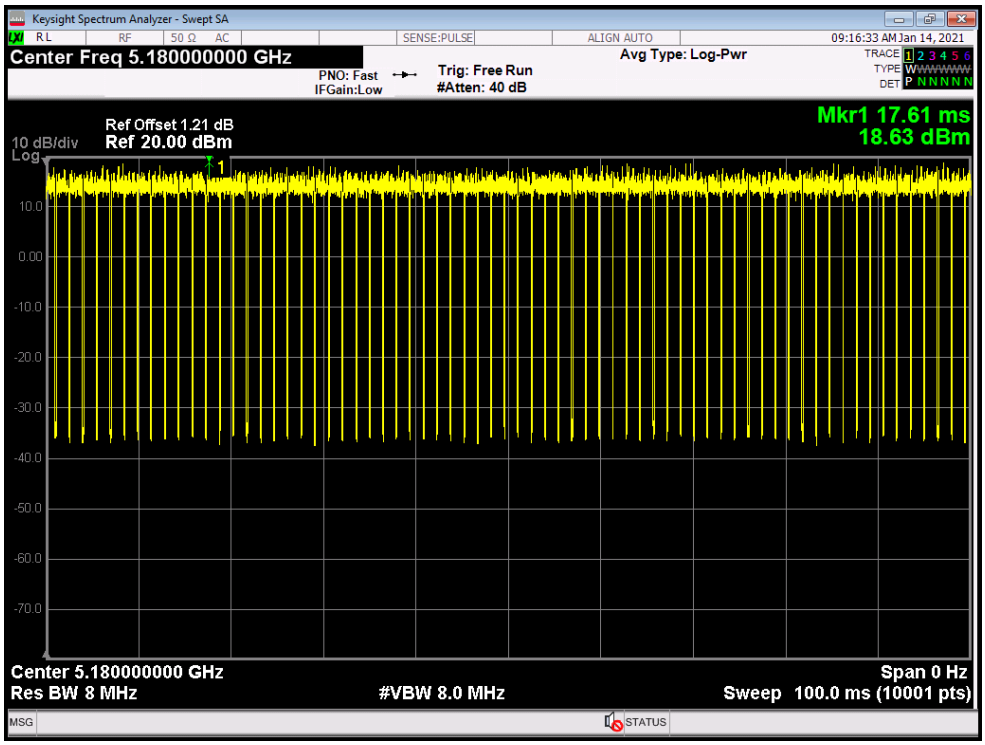
Duty Cycle NVNT ac80 5210MHz Ant1



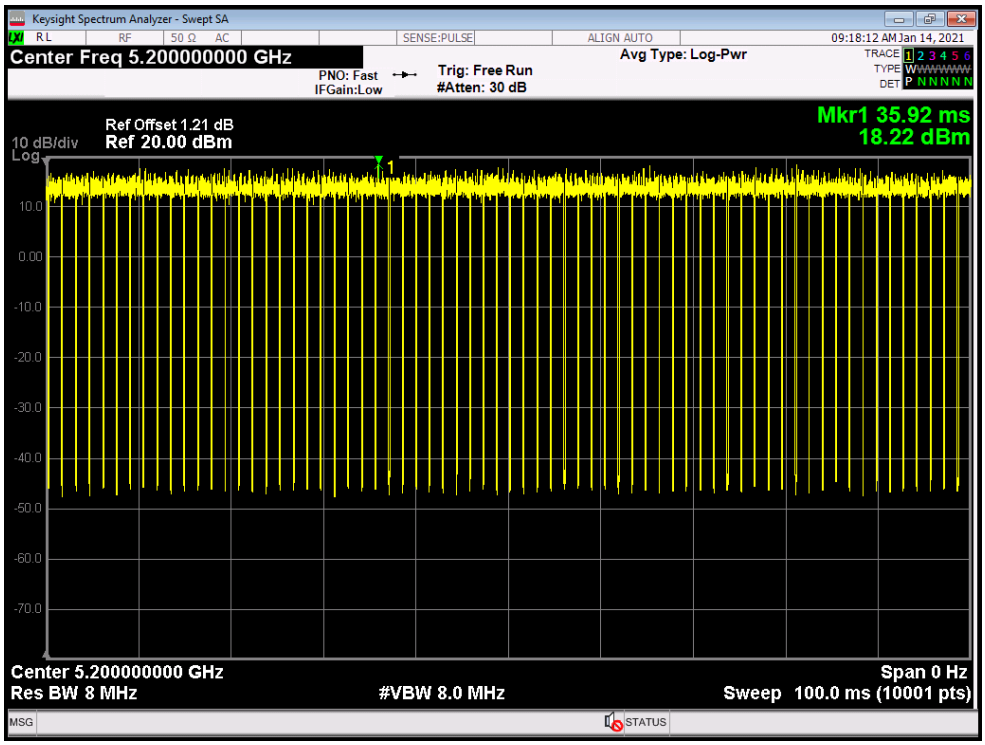
Duty Cycle NVNT ac80 5210MHz Ant2



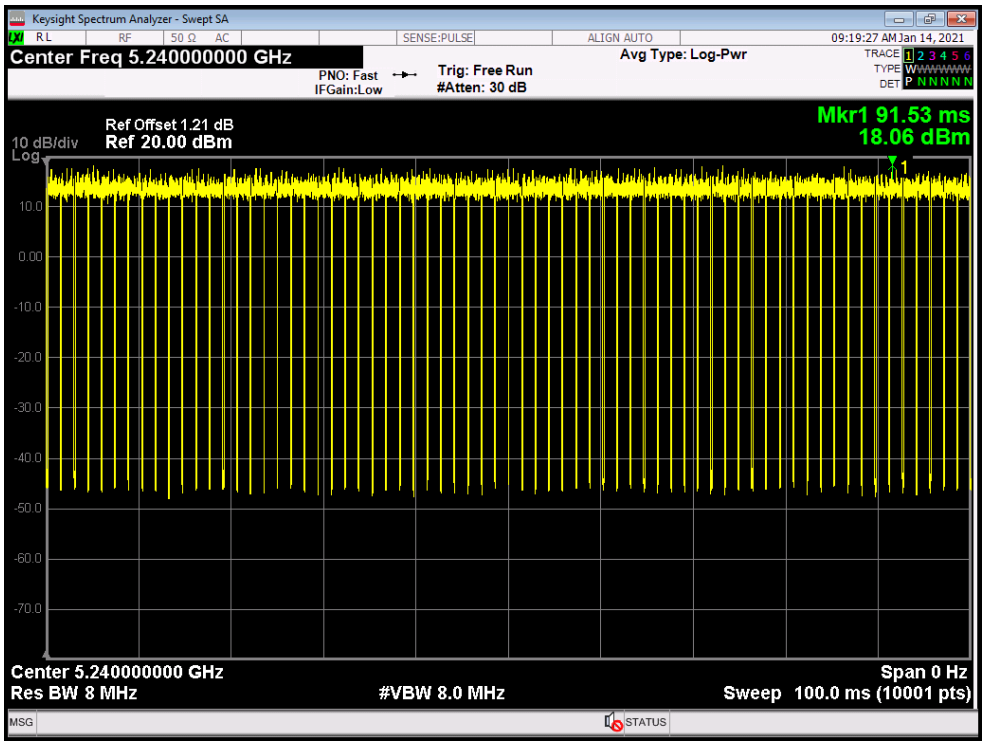
Duty Cycle NVNT n20 5180MHz Ant1



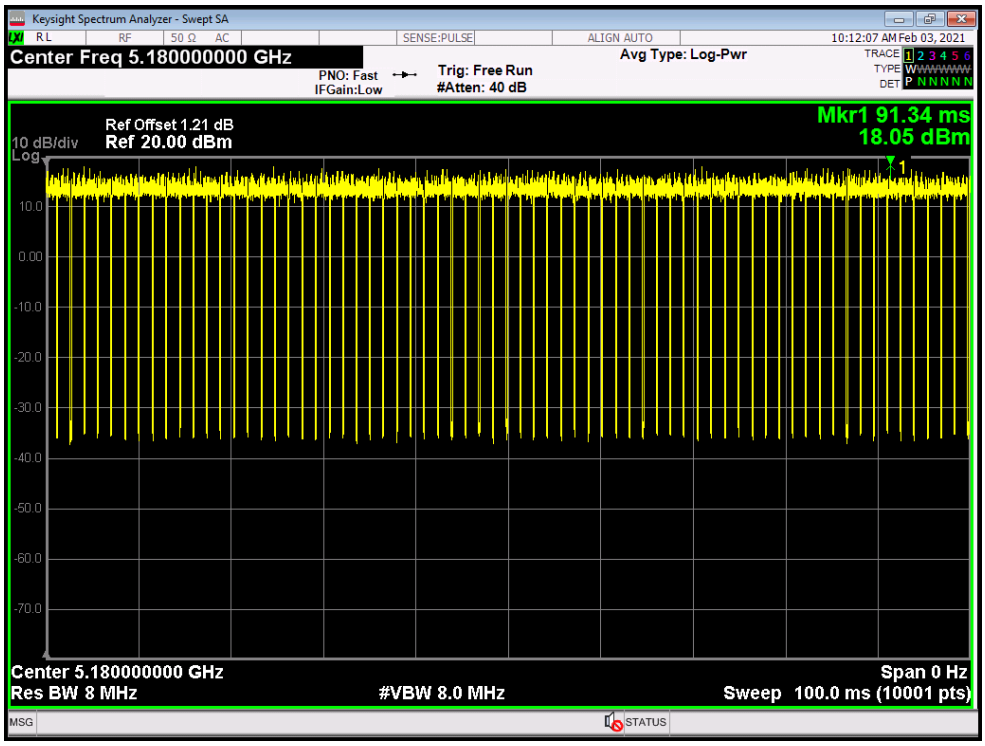
Duty Cycle NVNT n20 5200MHz Ant1



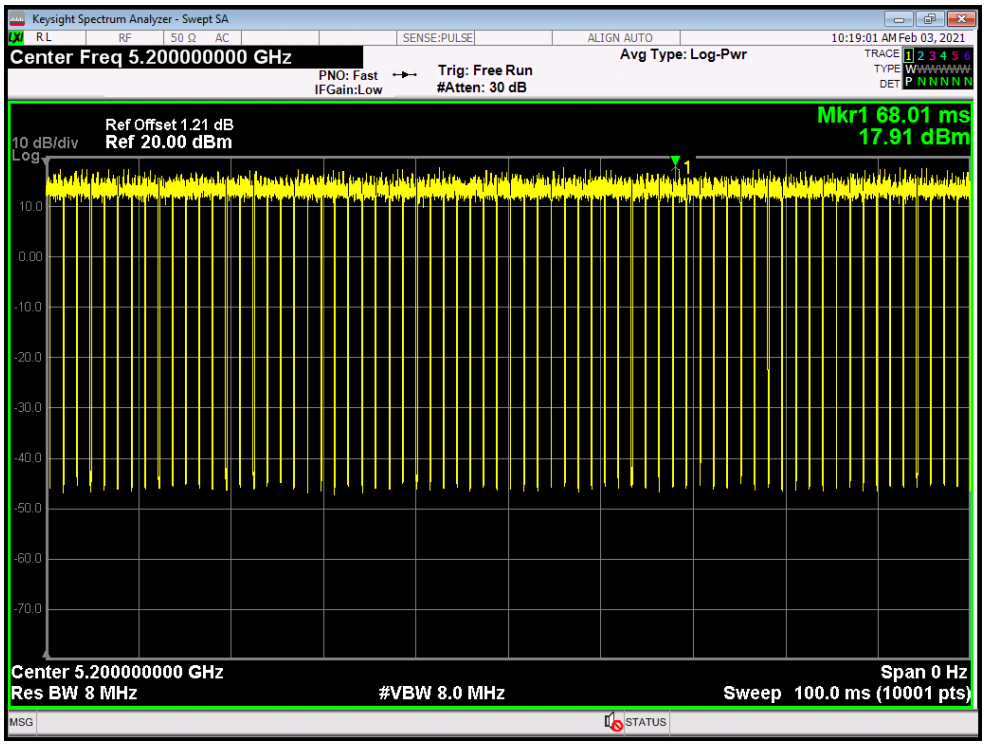
Duty Cycle NVNT n20 5240MHz Ant1



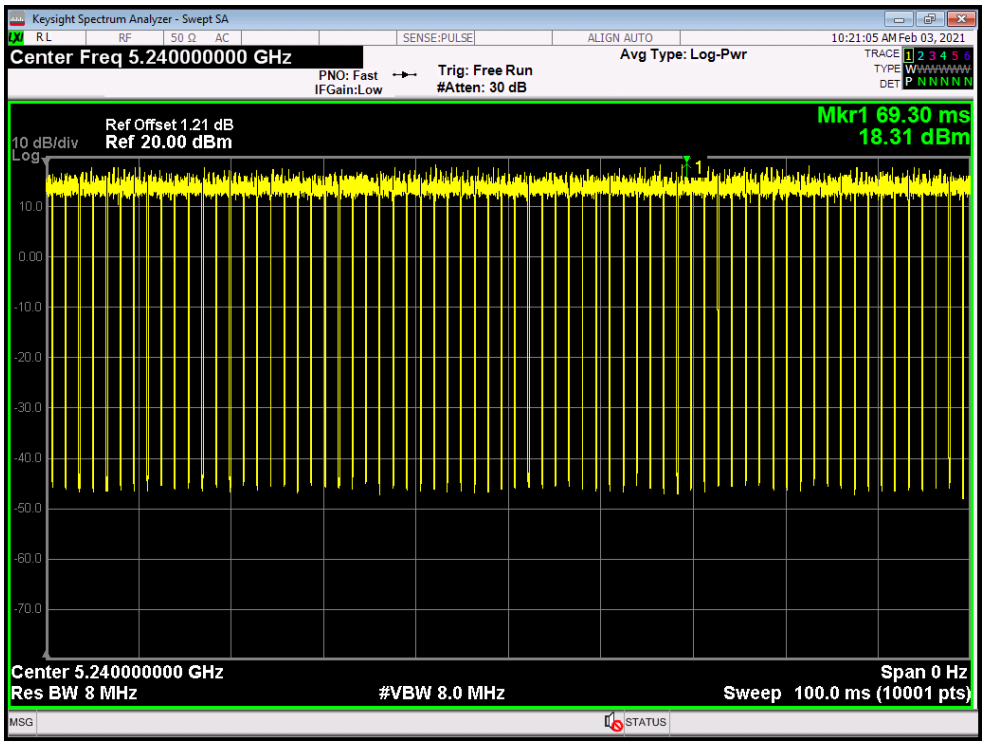
Duty Cycle NVNT n20 5180MHz Ant2



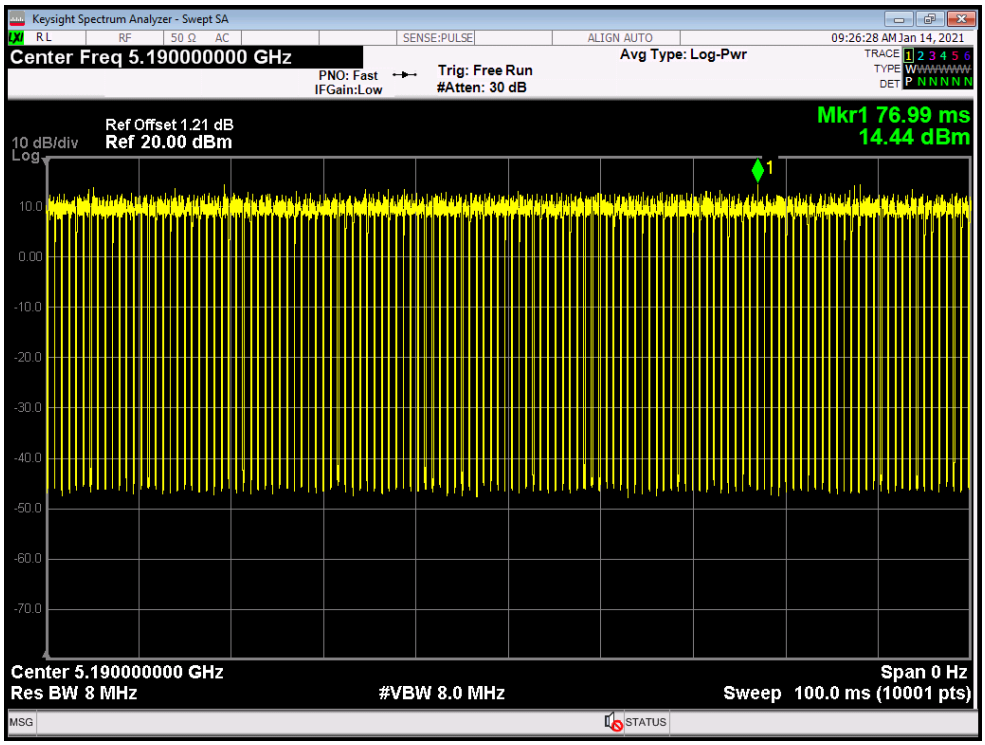
Duty Cycle NVNT n20 5200MHz Ant2



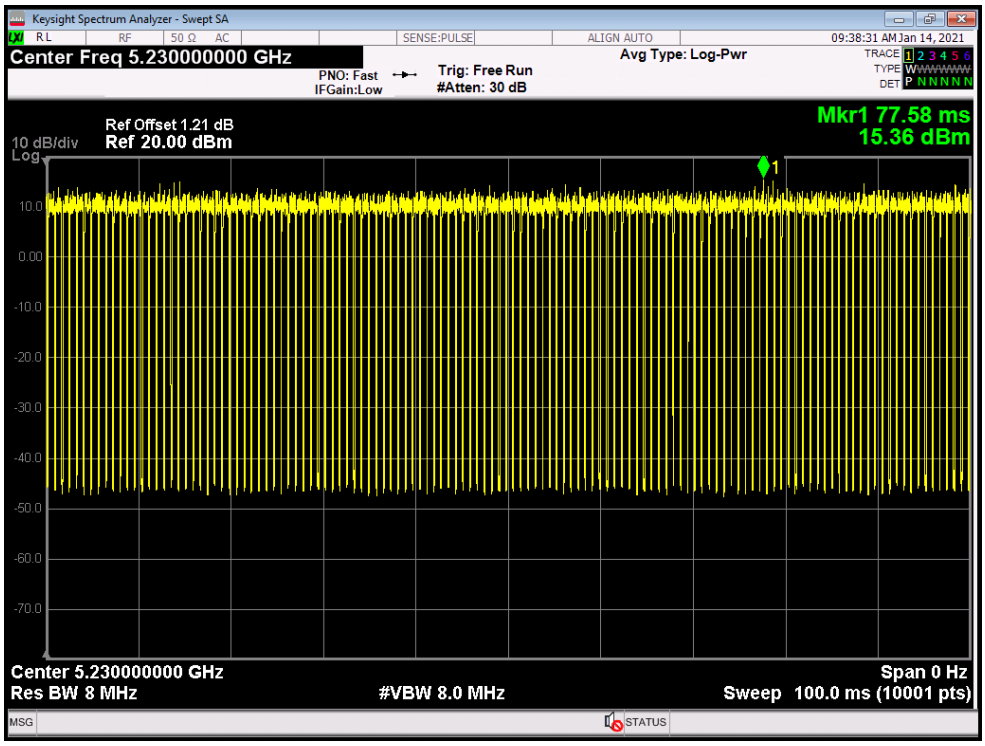
Duty Cycle NVNT n20 5240MHz Ant2



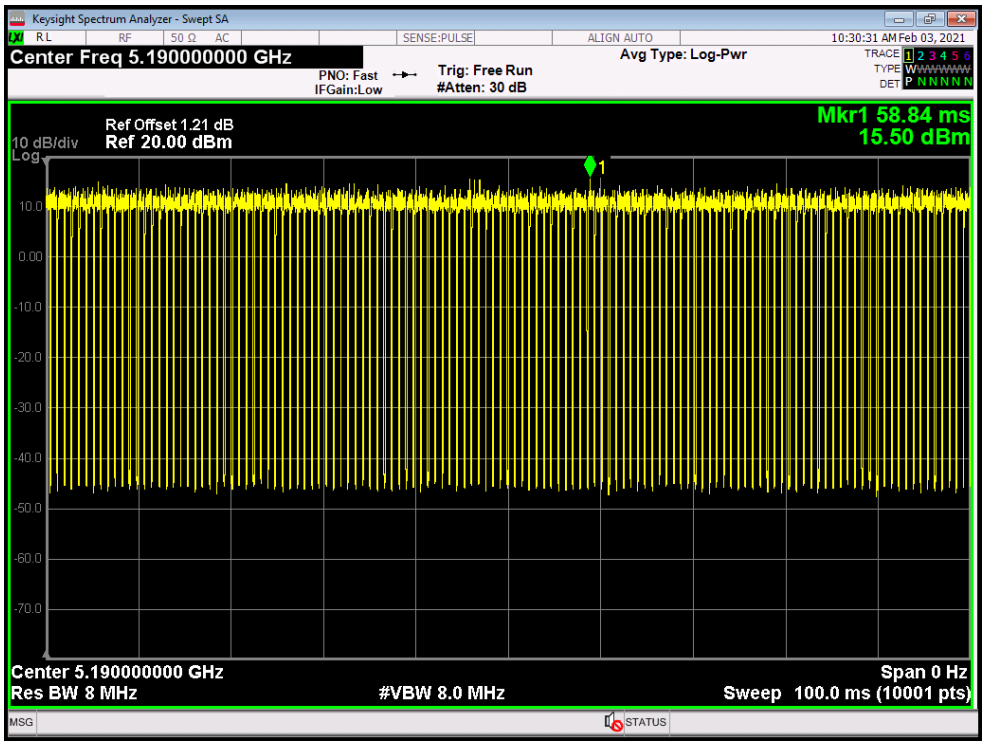
Duty Cycle NVNT n40 5190MHz Ant1



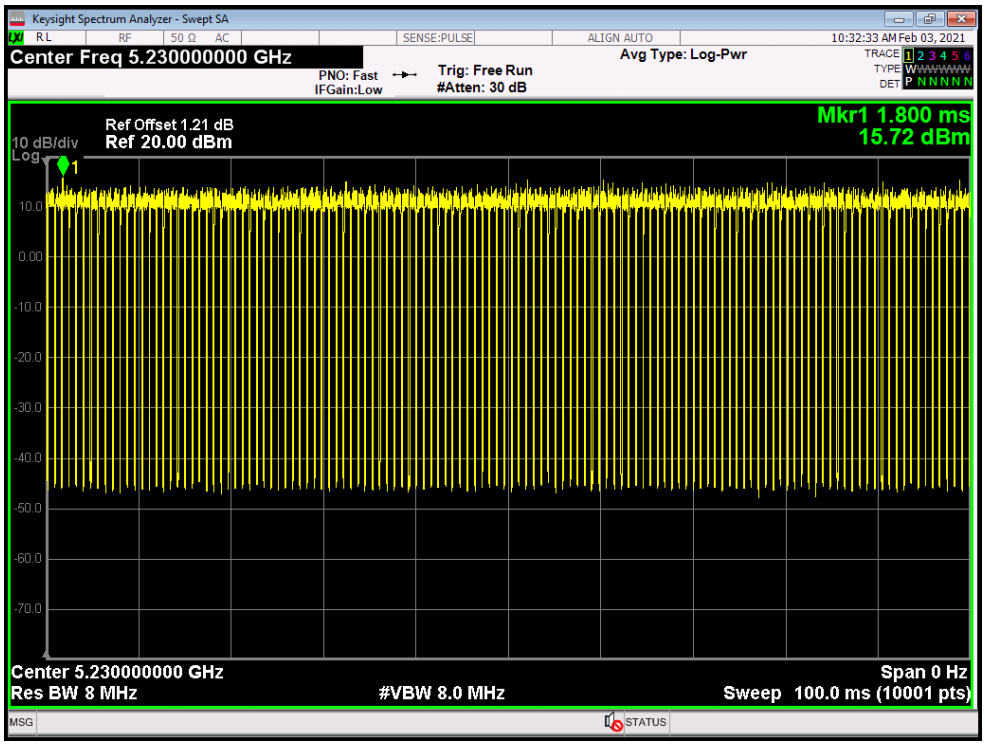
Duty Cycle NVNT n40 5230MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant2



Duty Cycle NVNT n40 5230MHz Ant2



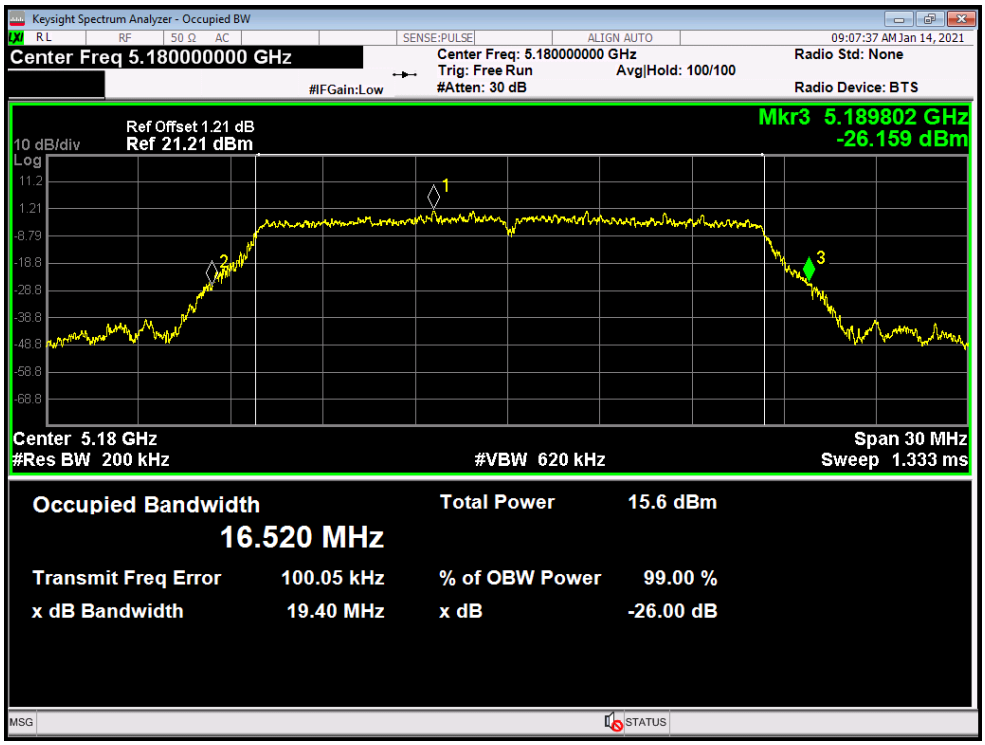
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.143	0	10.143	30	Pass
NVNT	a	5200	Ant1	10.41	0	10.41	30	Pass
NVNT	a	5240	Ant1	9.915	0	9.915	30	Pass
NVNT	a	5180	Ant2	9.169	0	9.169	30	Pass
NVNT	a	5200	Ant2	8.716	0	8.716	30	Pass
NVNT	a	5240	Ant2	8.688	0	8.688	30	Pass
NVNT	ac20	5180	Ant1	9.272	0.31	9.582	30	Pass
NVNT	ac20	5200	Ant1	9.589	0.32	9.909	30	Pass
NVNT	ac20	5240	Ant1	9.317	0.31	9.627	30	Pass
NVNT	ac20	5180	Ant2	9.615	0.32	9.935	30	Pass
NVNT	ac20	5200	Ant2	9.338	0.33	9.668	30	Pass
NVNT	ac20	5240	Ant2	9.838	0.32	10.158	30	Pass
NVNT	ac20	5180	MIMO	12.394	0.32	12.714	30	Pass
NVNT	ac20	5200	MIMO	12.168	0.33	12.498	30	Pass
NVNT	ac20	5240	MIMO	12.969	0.32	13.289	30	Pass
NVNT	ac40	5190	Ant1	9.511	0.62	10.131	30	Pass
NVNT	ac40	5230	Ant1	10.384	0.61	10.994	30	Pass
NVNT	ac40	5190	Ant2	9.111	0.59	9.701	30	Pass
NVNT	ac40	5230	Ant2	9.399	0.61	10.009	30	Pass
NVNT	ac40	5190	MIMO	13.078	0.61	13.688	30	Pass
NVNT	ac40	5230	MIMO	13.603	0.61	14.213	30	Pass
NVNT	ac80	5210	Ant1	10.841	1.12	11.961	30	Pass
NVNT	ac80	5210	Ant2	8.737	1.14	9.877	30	Pass
NVNT	ac80	5210	MIMO	11.717	1.14	12.857	30	Pass
NVNT	n20	5180	Ant1	9.51	0	9.51	30	Pass
NVNT	n20	5200	Ant1	9.317	0.34	9.657	30	Pass
NVNT	n20	5240	Ant1	9.133	0.34	9.473	30	Pass
NVNT	n20	5180	Ant2	9.142	0	9.142	30	Pass
NVNT	n20	5200	Ant2	9.381	0.33	9.711	30	Pass
NVNT	n20	5240	Ant2	9.801	0.34	10.141	30	Pass
NVNT	n20	5180	MIMO	13.408	0	13.408	30	Pass
NVNT	n20	5200	MIMO	13.778	0.34	14.118	30	Pass
NVNT	n20	5240	MIMO	13.325	0.34	13.665	30	Pass
NVNT	n40	5190	Ant1	8.93	0.63	9.56	30	Pass
NVNT	n40	5230	Ant1	9.455	0.63	10.085	30	Pass
NVNT	n40	5190	Ant2	9.513	0.62	10.133	30	Pass
NVNT	n40	5230	Ant2	9.856	0.63	10.486	30	Pass
NVNT	n40	5190	MIMO	13.148	0.63	13.778	30	Pass
NVNT	n40	5230	MIMO	12.607	0.63	13.237	30	Pass

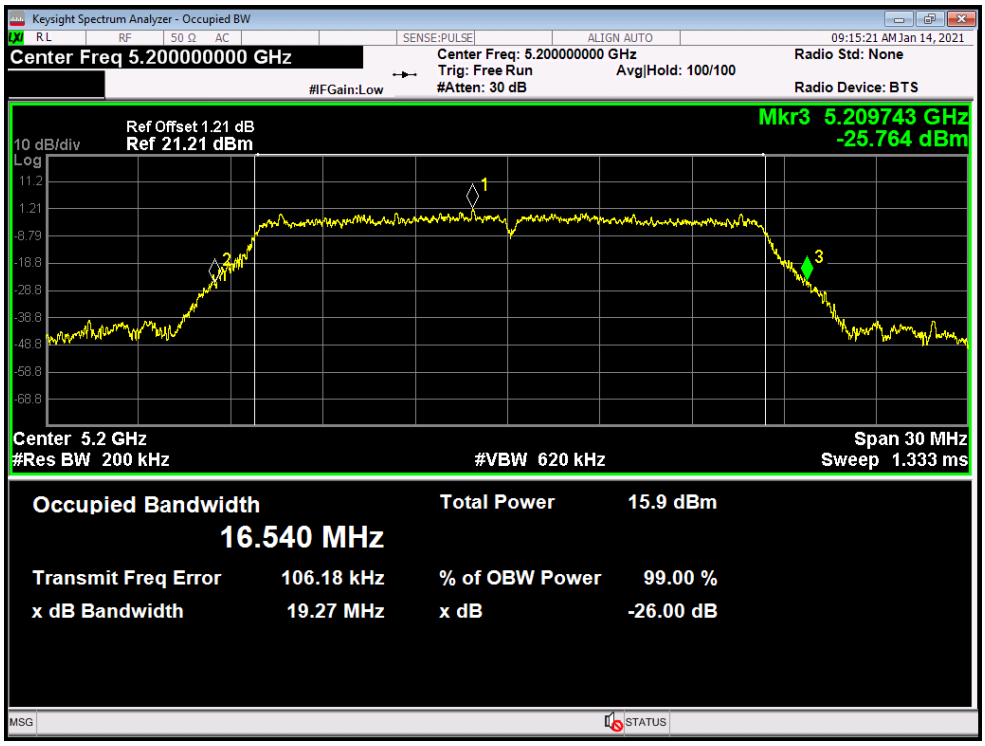
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.404	Pass
NVNT	a	5200	Ant1	19.275	Pass
NVNT	a	5240	Ant1	19.556	Pass
NVNT	a	5180	Ant2	19.284	Pass
NVNT	a	5200	Ant2	19.286	Pass
NVNT	a	5240	Ant2	19.365	Pass
NVNT	ac20	5180	Ant1	19.734	Pass
NVNT	ac20	5200	Ant1	19.843	Pass
NVNT	ac20	5240	Ant1	19.739	Pass
NVNT	ac20	5180	Ant2	19.839	Pass
NVNT	ac20	5200	Ant2	19.886	Pass
NVNT	ac20	5240	Ant2	20.019	Pass
NVNT	ac40	5190	Ant1	39.856	Pass
NVNT	ac40	5230	Ant1	39.732	Pass
NVNT	ac40	5190	Ant2	39.866	Pass
NVNT	ac40	5230	Ant2	39.835	Pass
NVNT	ac80	5210	Ant1	80.442	Pass
NVNT	ac80	5210	Ant2	80.47	Pass
NVNT	n20	5180	Ant1	19.787	Pass
NVNT	n20	5200	Ant1	19.917	Pass
NVNT	n20	5240	Ant1	19.887	Pass
NVNT	n20	5180	Ant2	20.102	Pass
NVNT	n20	5200	Ant2	19.711	Pass
NVNT	n20	5240	Ant2	19.724	Pass
NVNT	n40	5190	Ant1	39.933	Pass
NVNT	n40	5230	Ant1	39.952	Pass
NVNT	n40	5190	Ant2	39.922	Pass
NVNT	n40	5230	Ant2	39.824	Pass

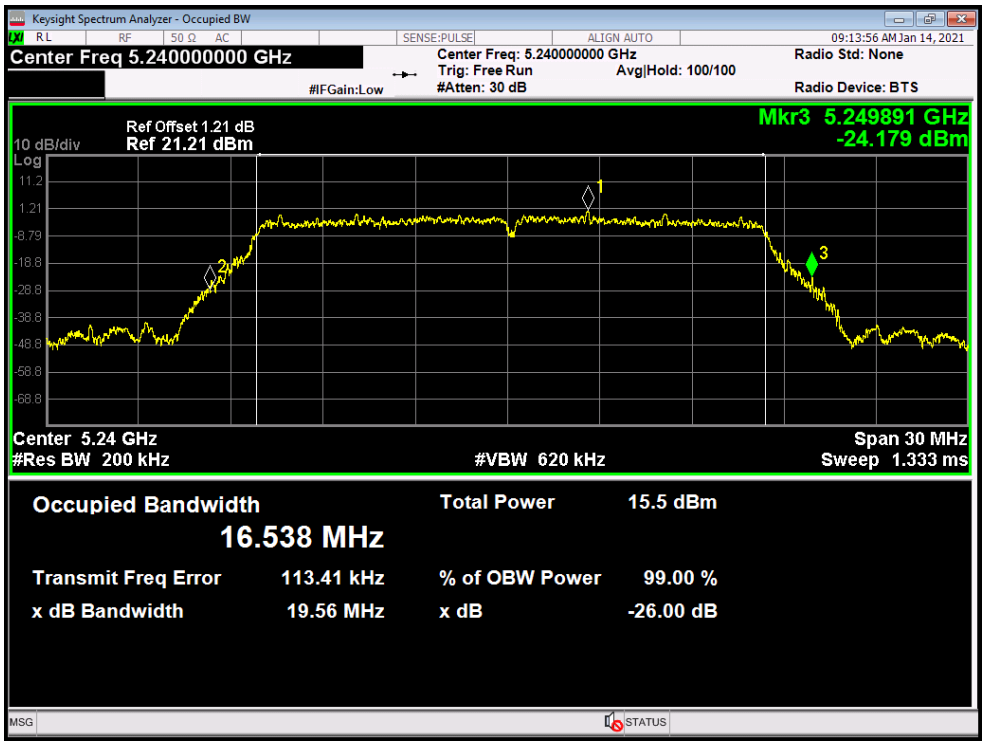
-26dB Bandwidth NVNT a 5180MHz Ant1



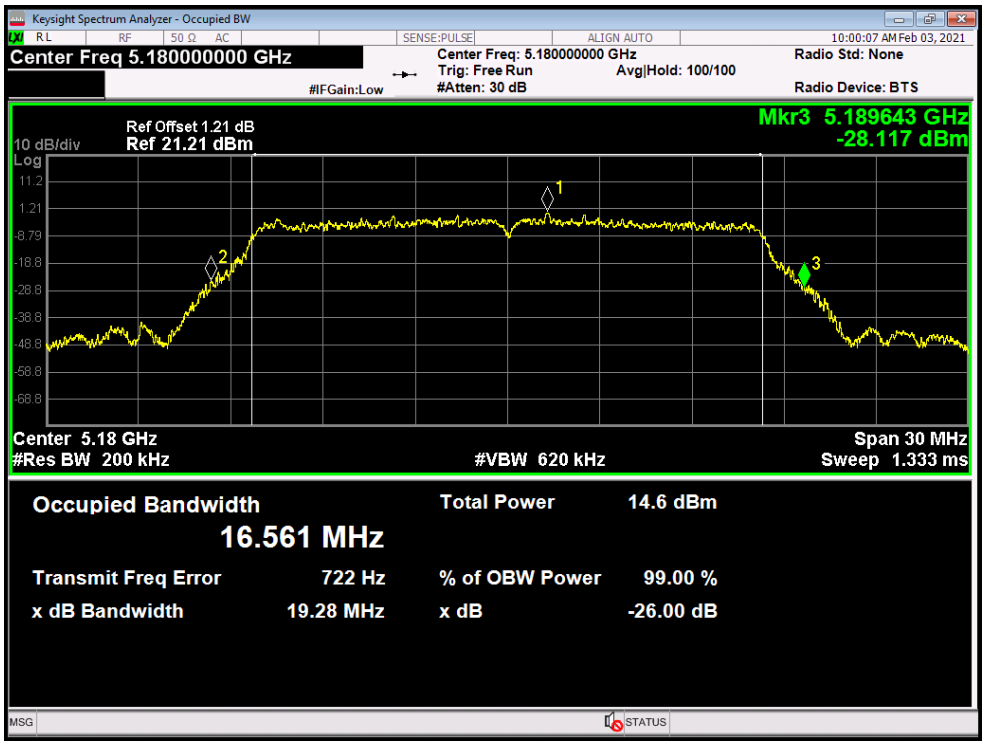
-26dB Bandwidth NVNT a 5200MHz Ant1



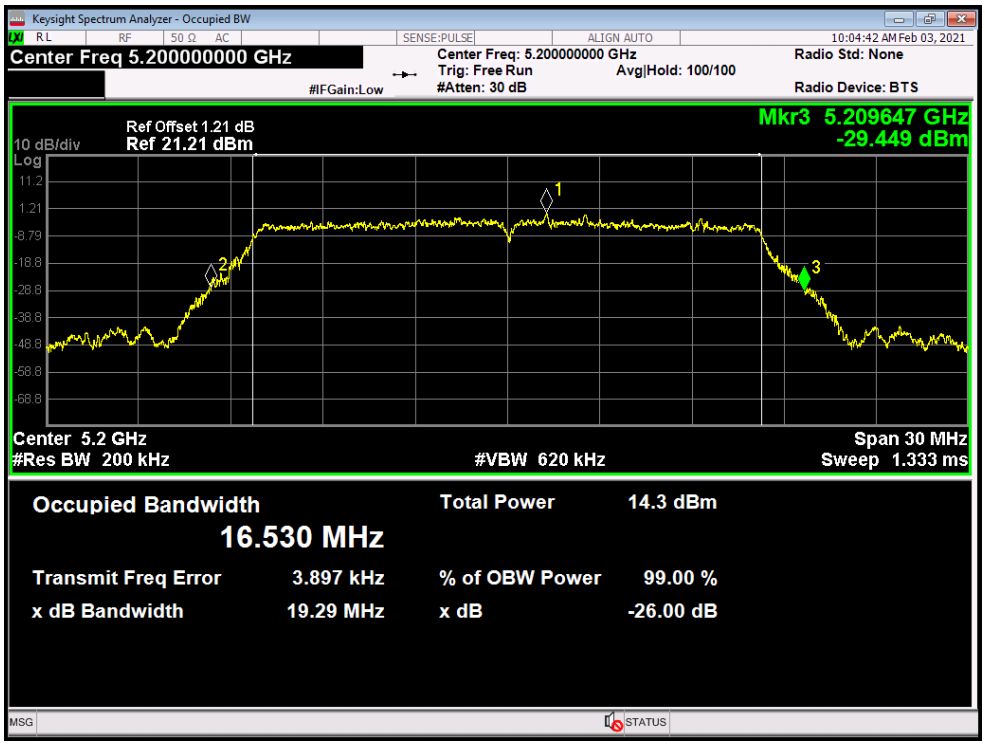
-26dB Bandwidth NVNT a 5240MHz Ant1



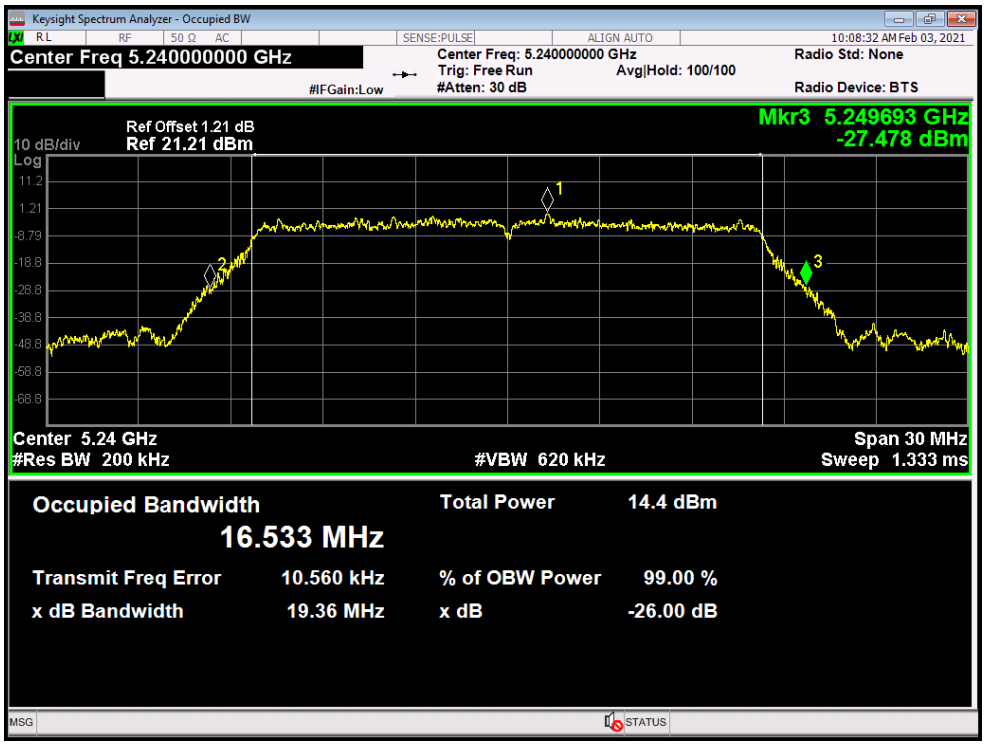
-26dB Bandwidth NVNT a 5180MHz Ant2



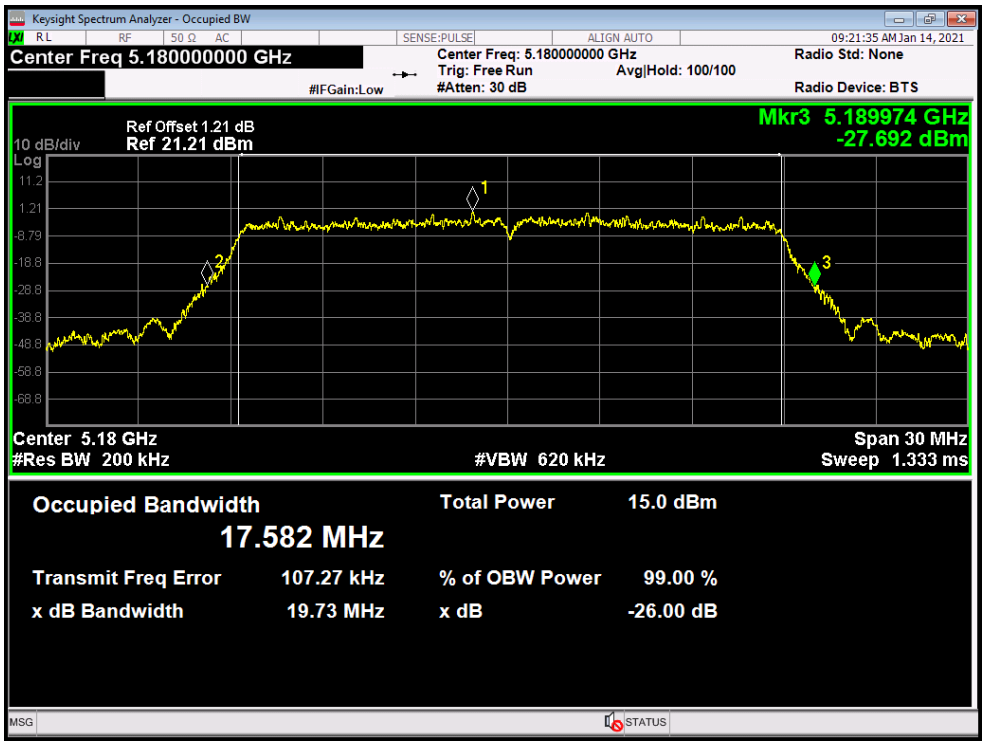
-26dB Bandwidth NVNT a 5200MHz Ant2



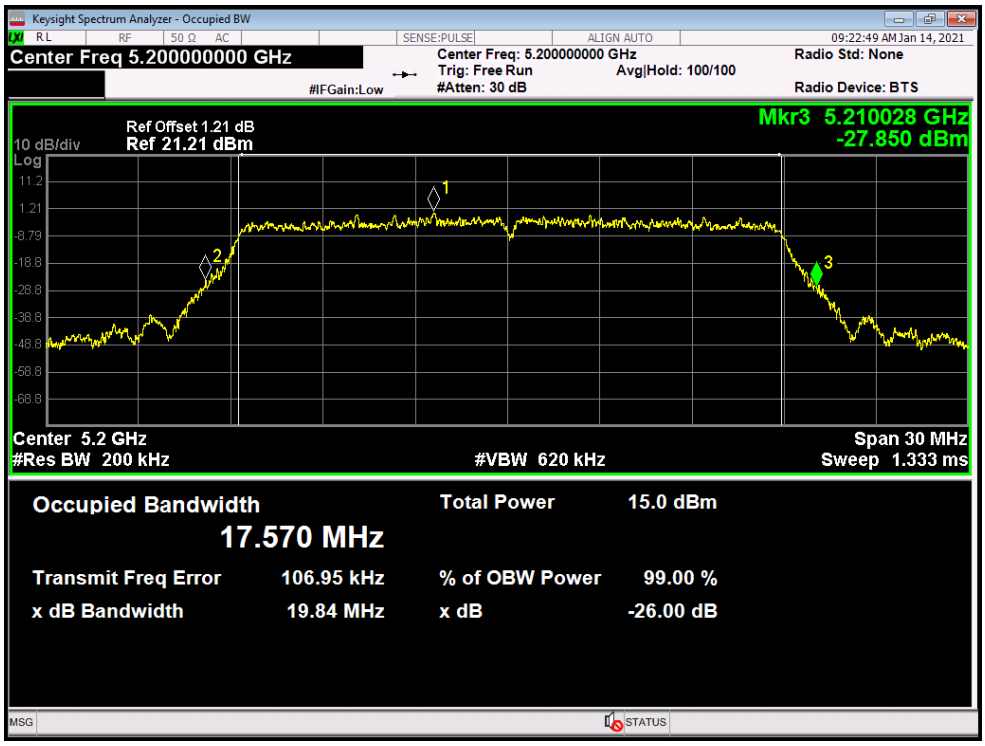
-26dB Bandwidth NVNT a 5240MHz Ant2



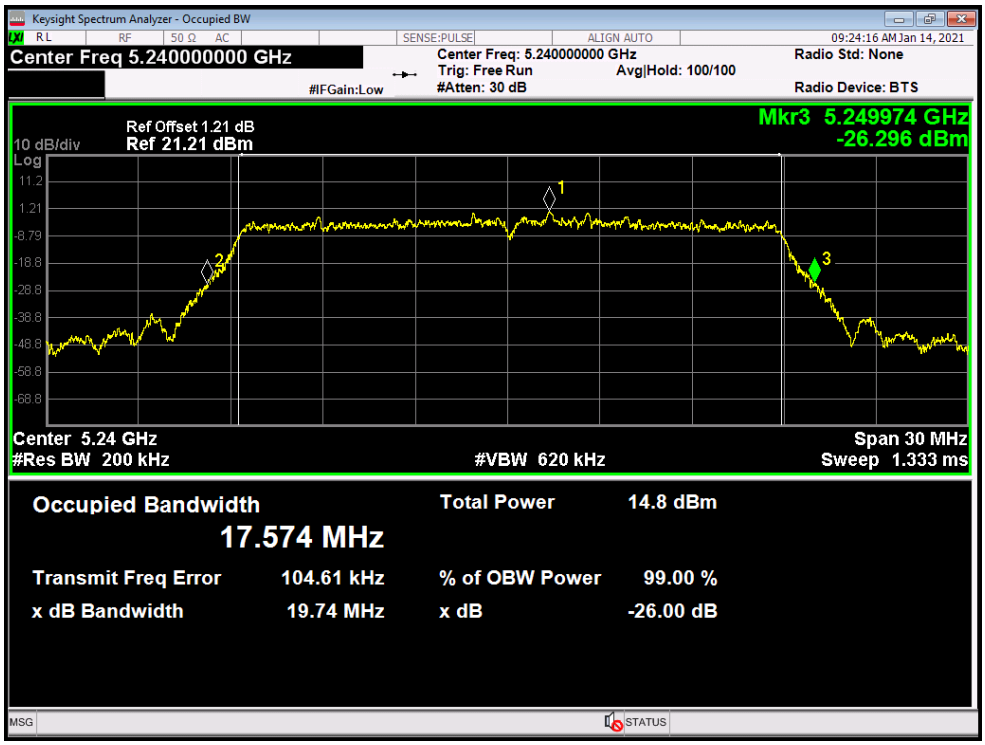
-26dB Bandwidth NVNT ac20 5180MHz Ant1



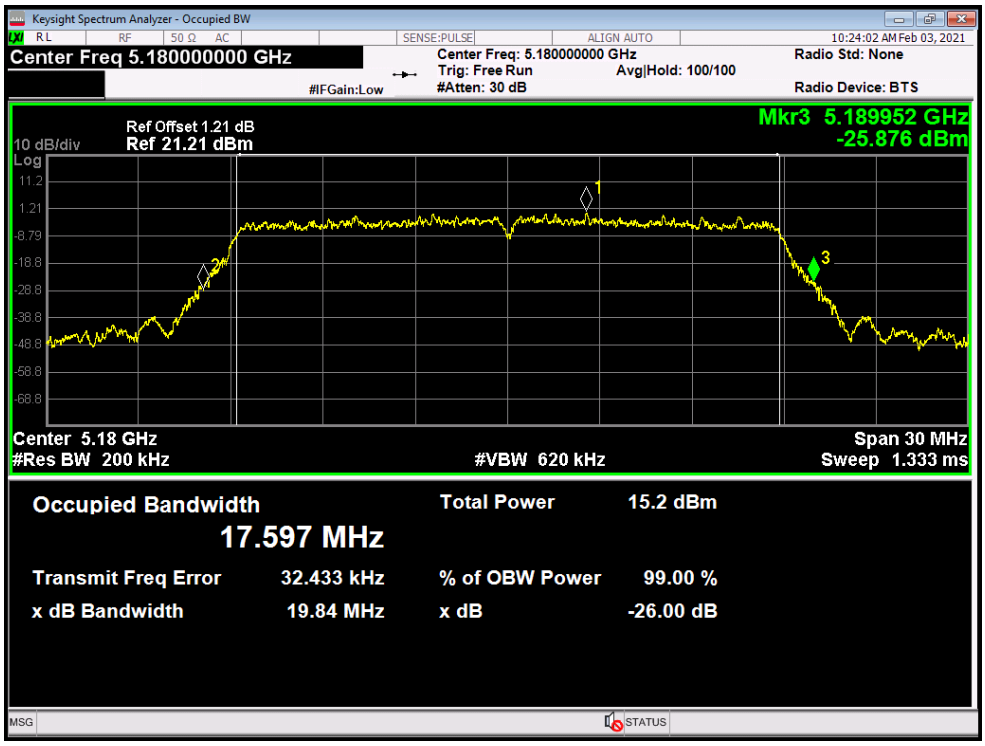
-26dB Bandwidth NVNT ac20 5200MHz Ant1



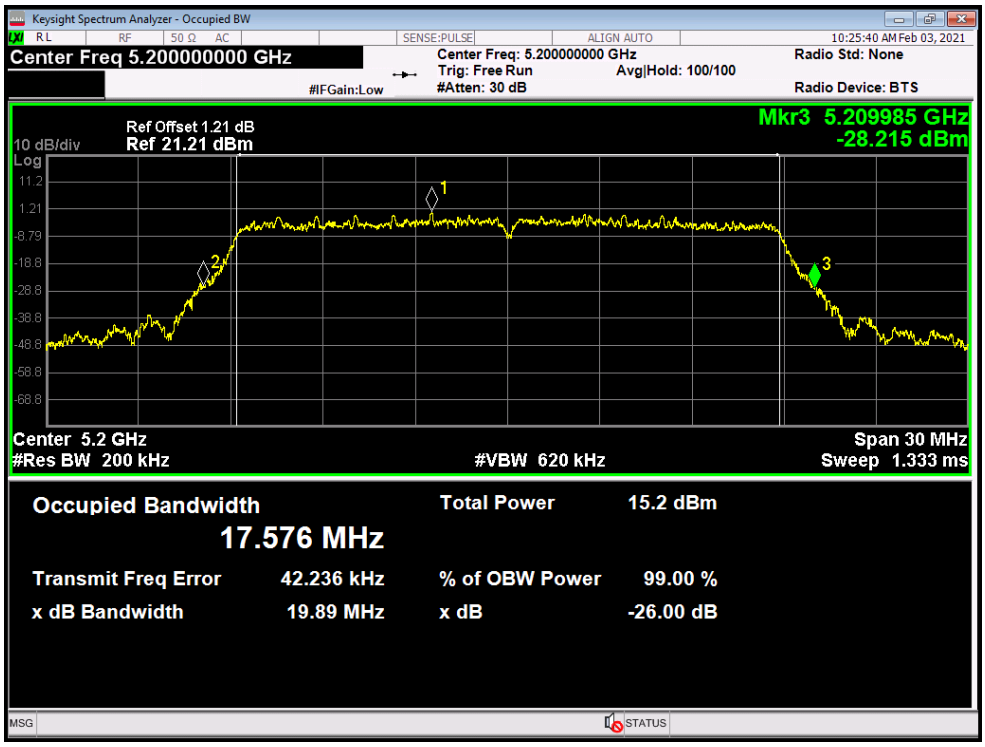
-26dB Bandwidth NVNT ac20 5240MHz Ant1



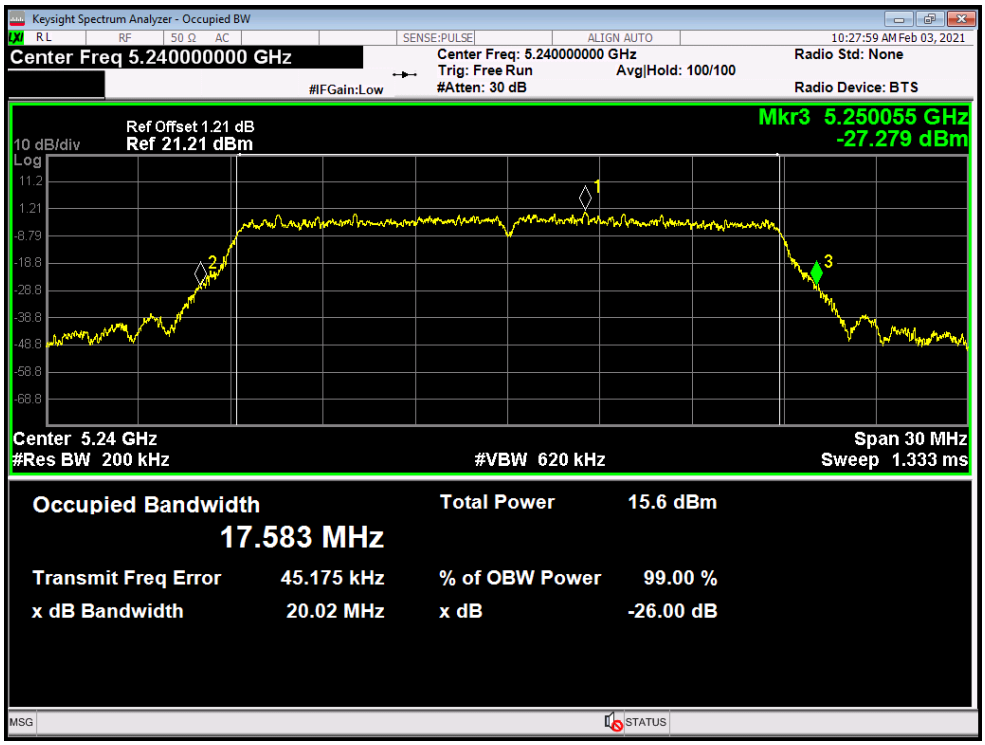
-26dB Bandwidth NVNT ac20 5180MHz Ant2



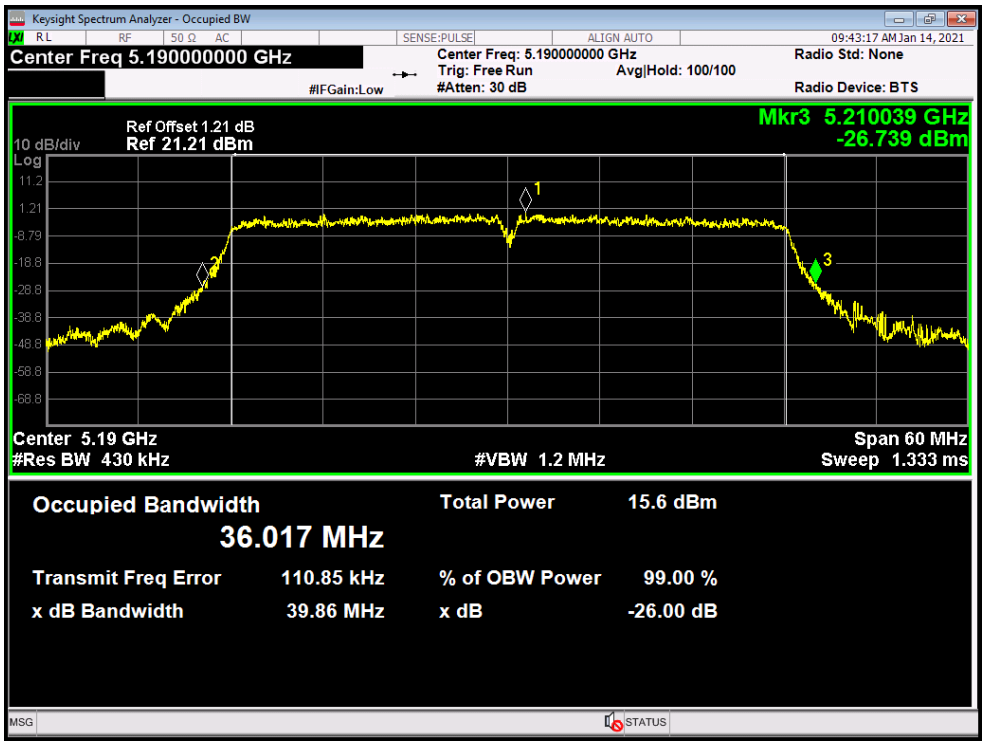
-26dB Bandwidth NVNT ac20 5200MHz Ant2



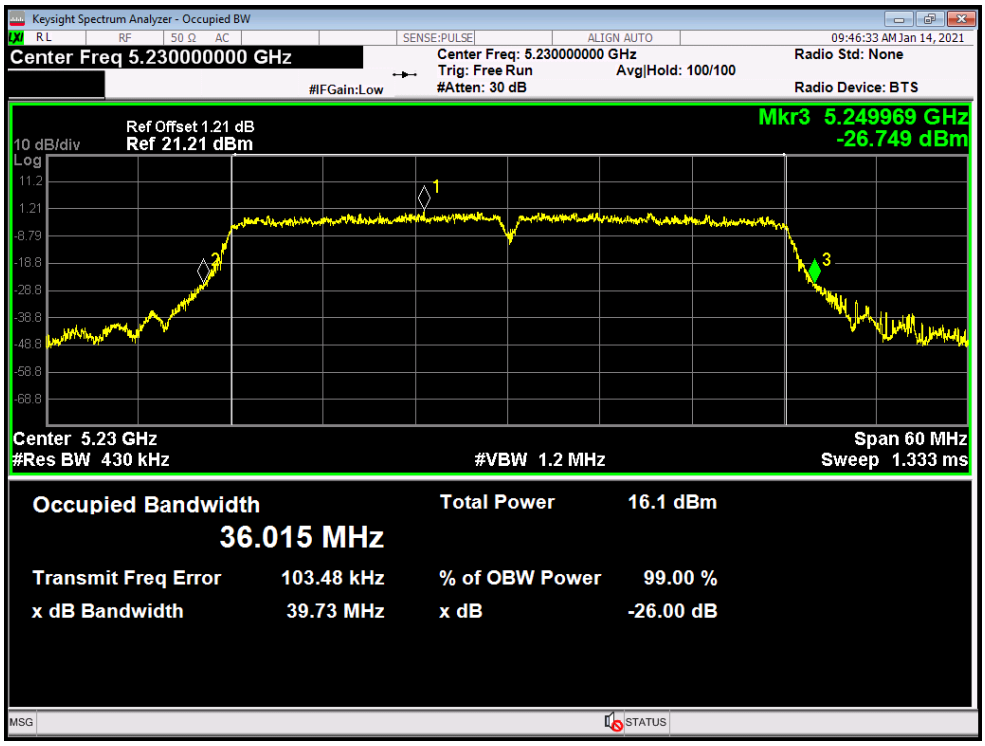
-26dB Bandwidth NVNT ac20 5240MHz Ant2



-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



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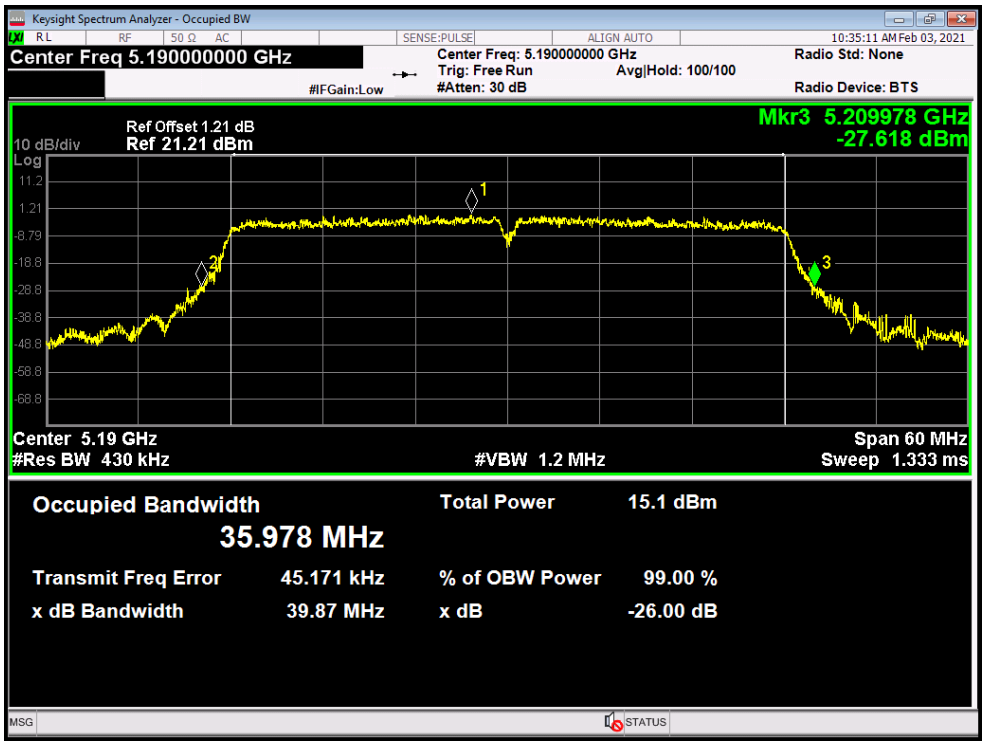
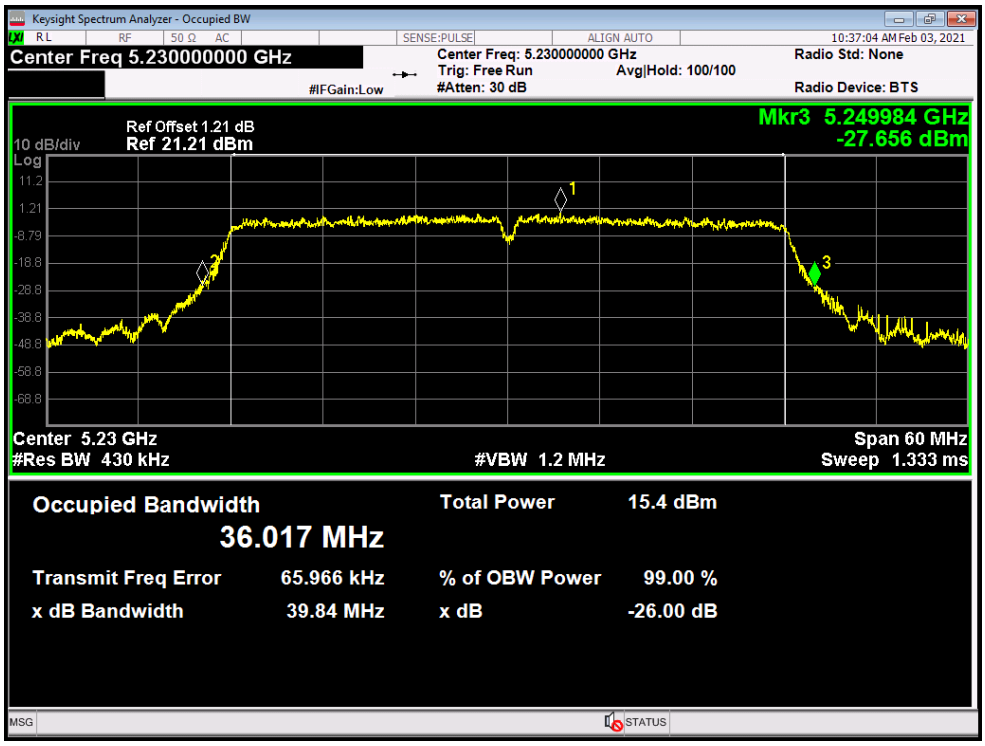
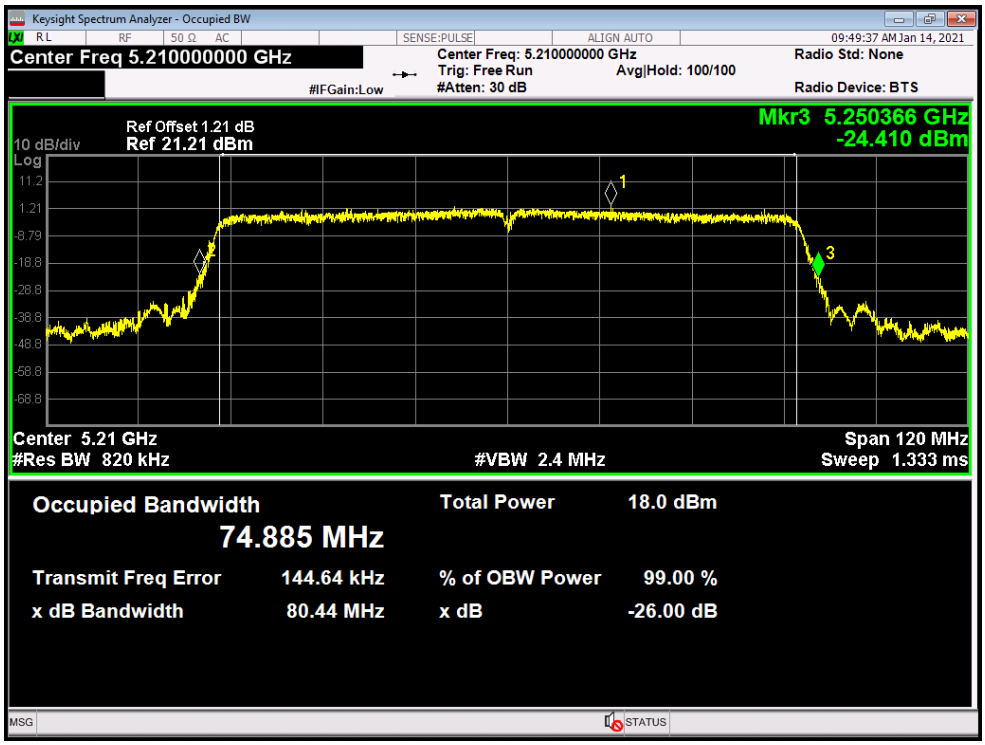


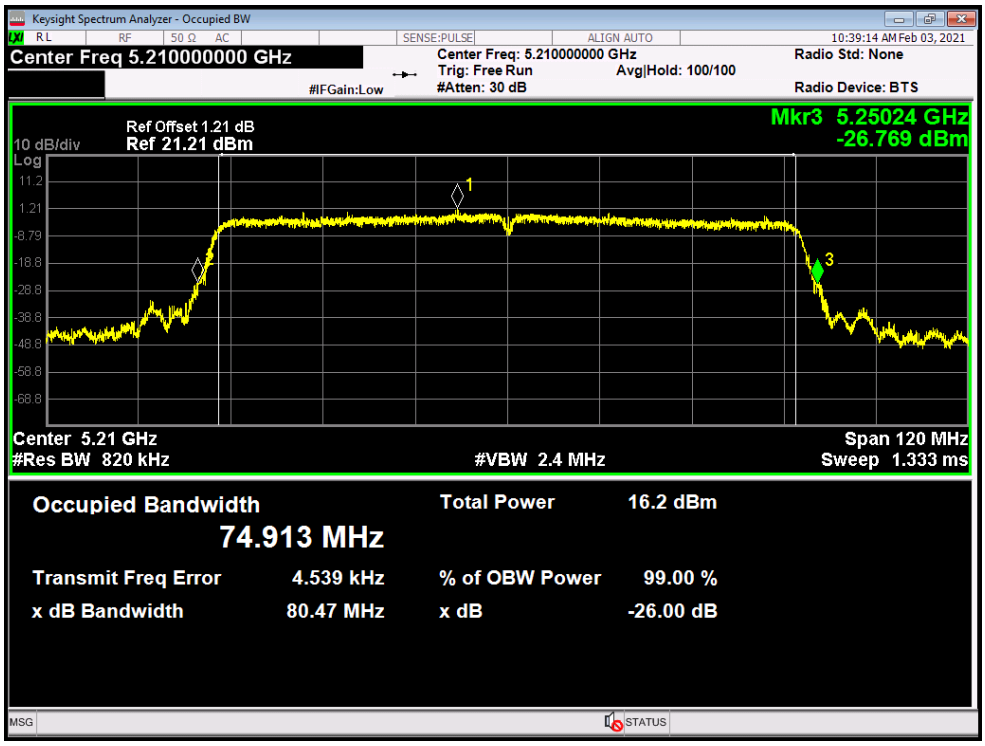
-26dB Bandwidth NVNT ac40 5230MHz Ant2



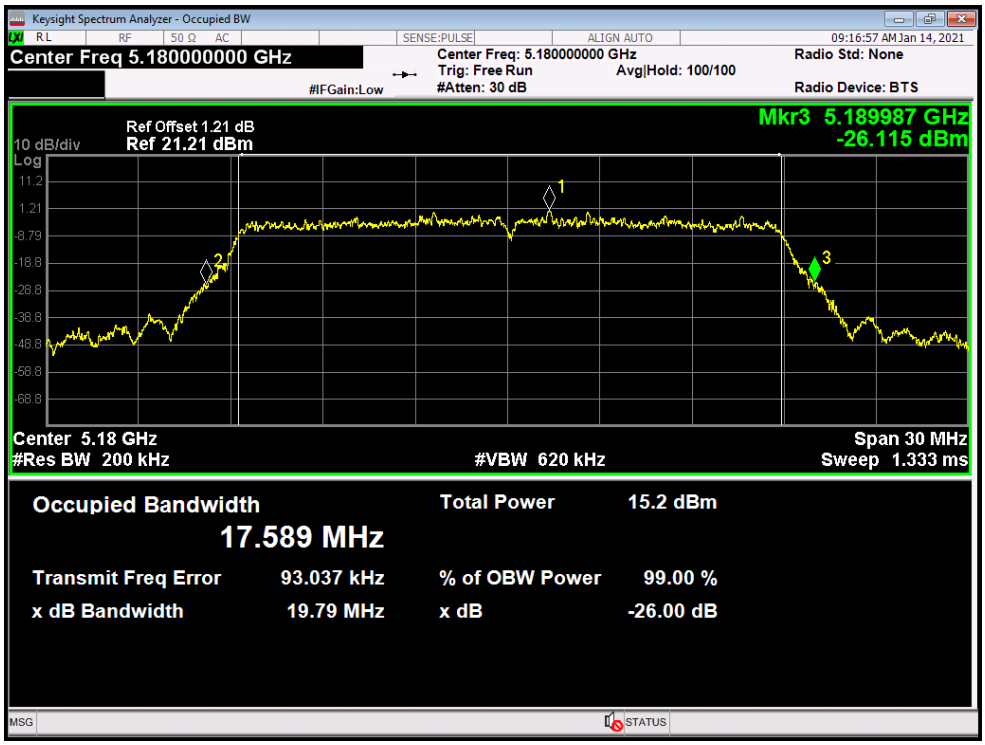
-26dB Bandwidth NVNT ac80 5210MHz Ant1



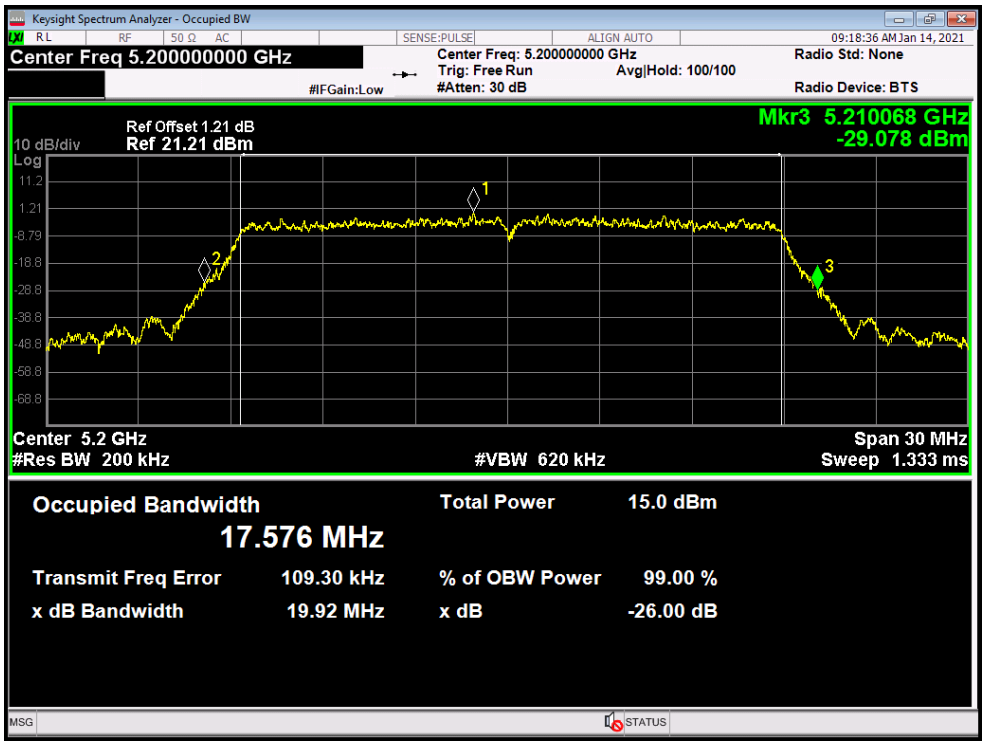
-26dB Bandwidth NVNT ac80 5210MHz Ant2



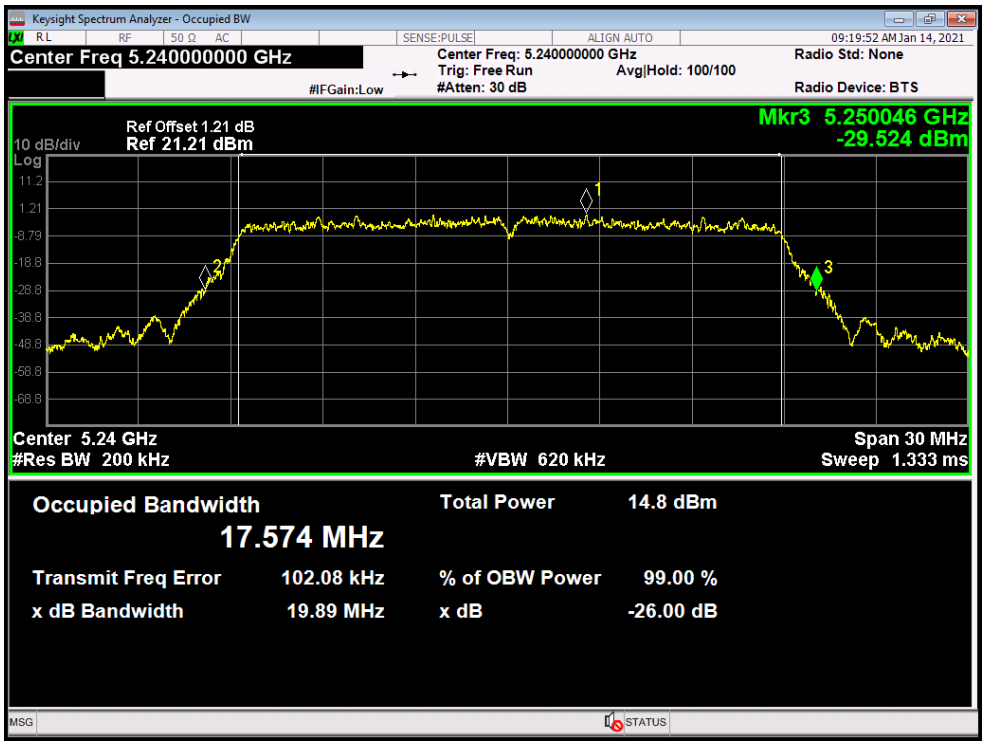
-26dB Bandwidth NVNT n20 5180MHz Ant1



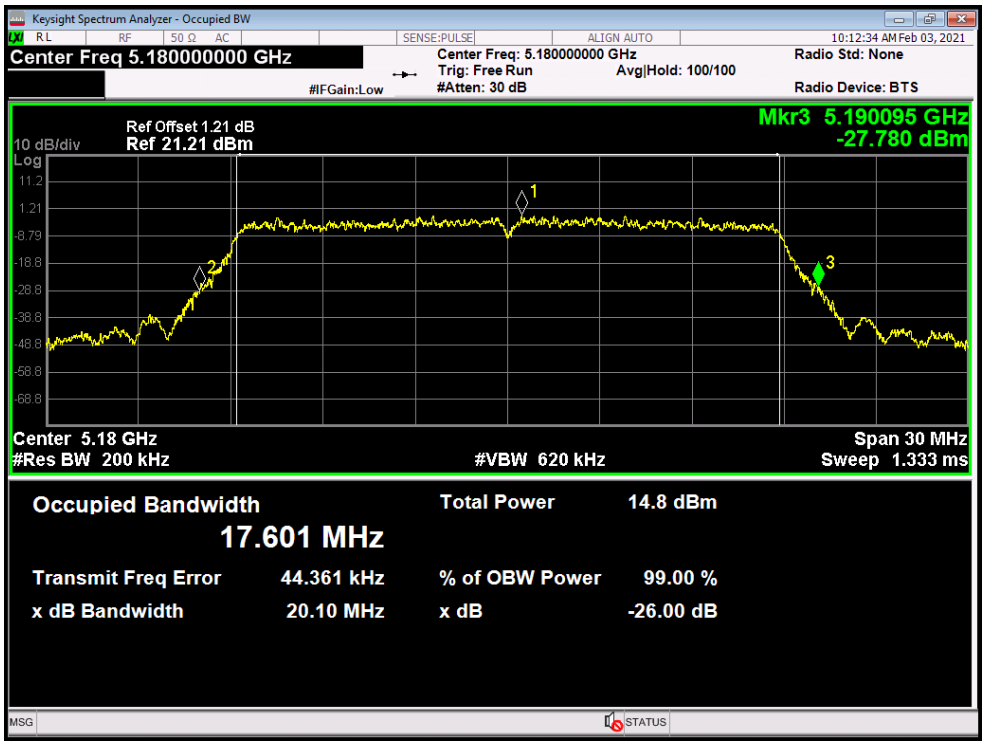
-26dB Bandwidth NVNT n20 5200MHz Ant1



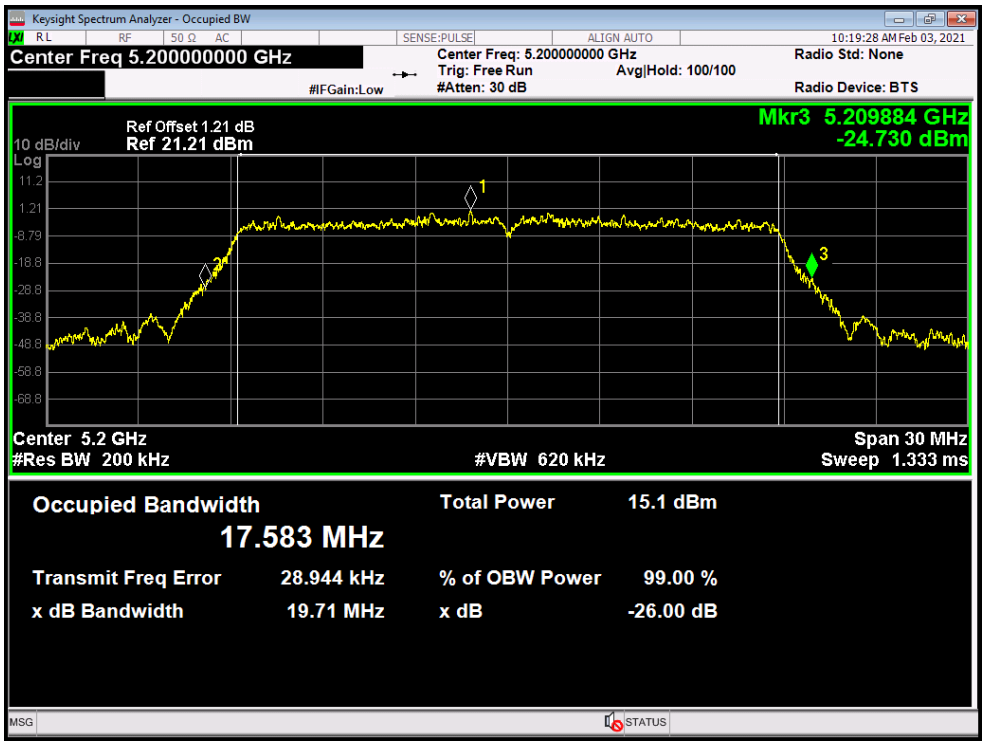
-26dB Bandwidth NVNT n20 5240MHz Ant1



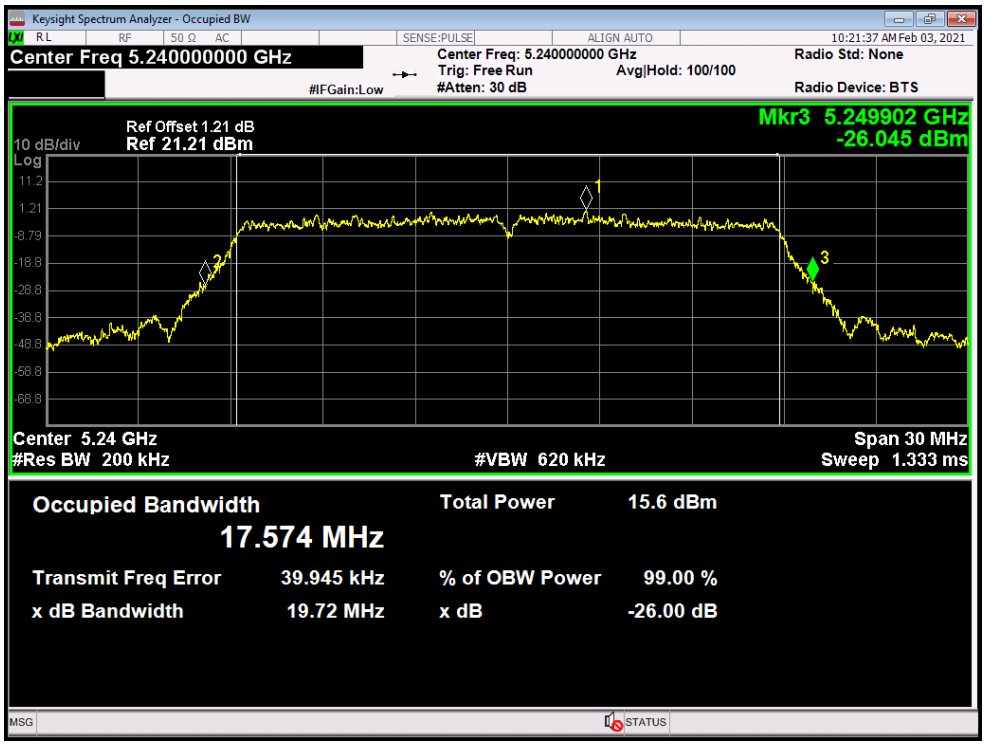
-26dB Bandwidth NVNT n20 5180MHz Ant2



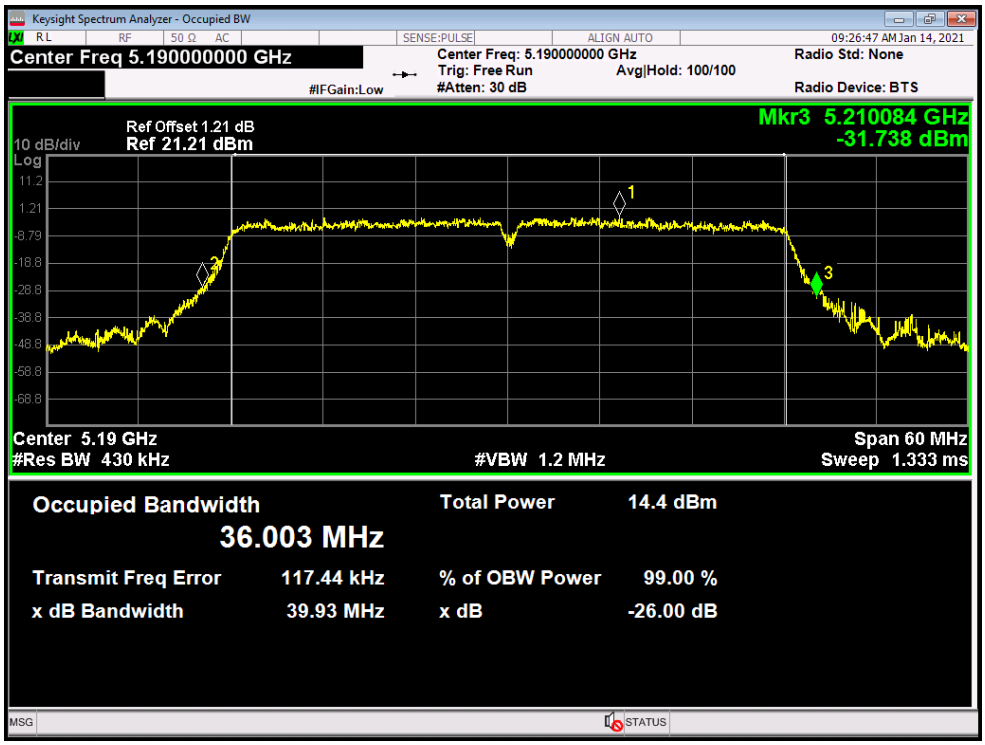
-26dB Bandwidth NVNT n20 5200MHz Ant2



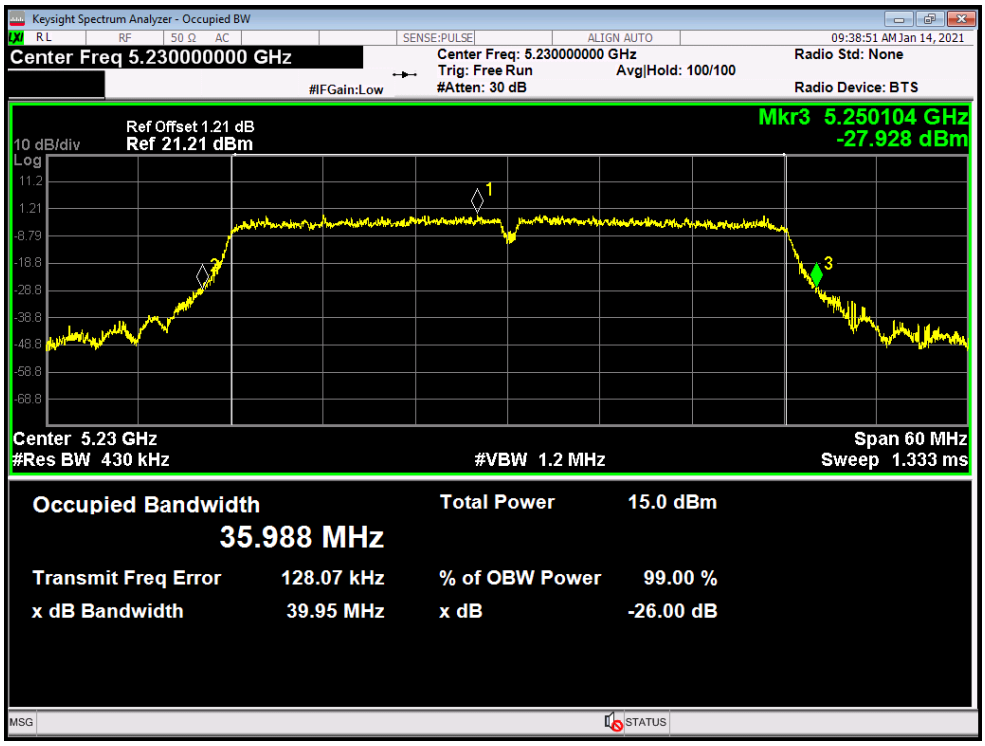
-26dB Bandwidth NVNT n20 5240MHz Ant2



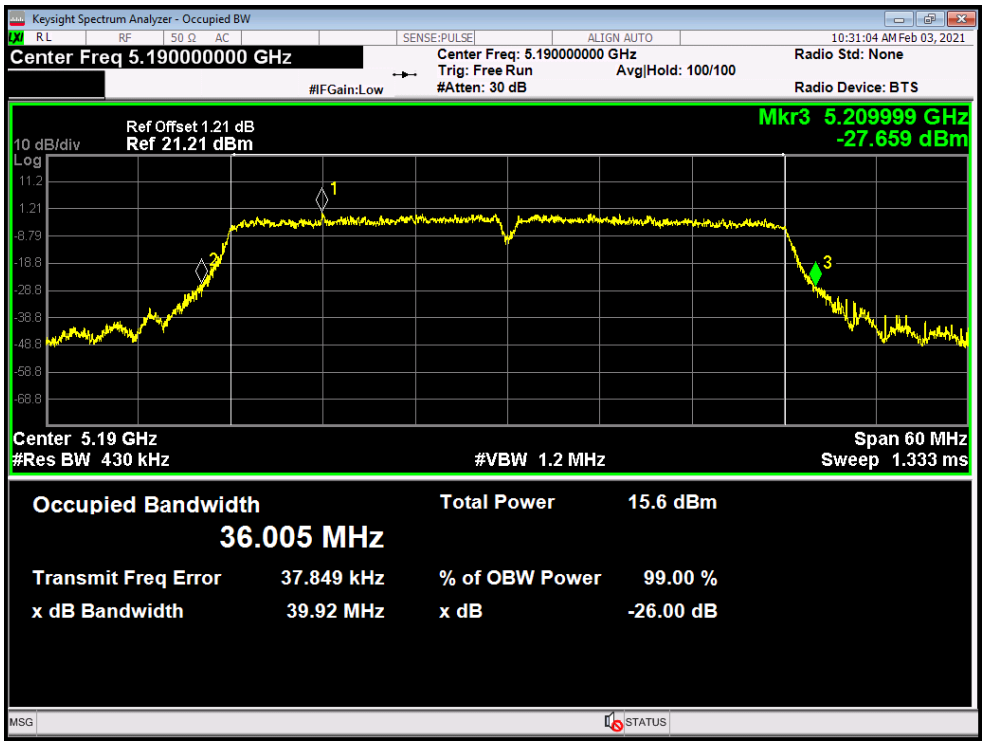
-26dB Bandwidth NVNT n40 5190MHz Ant1



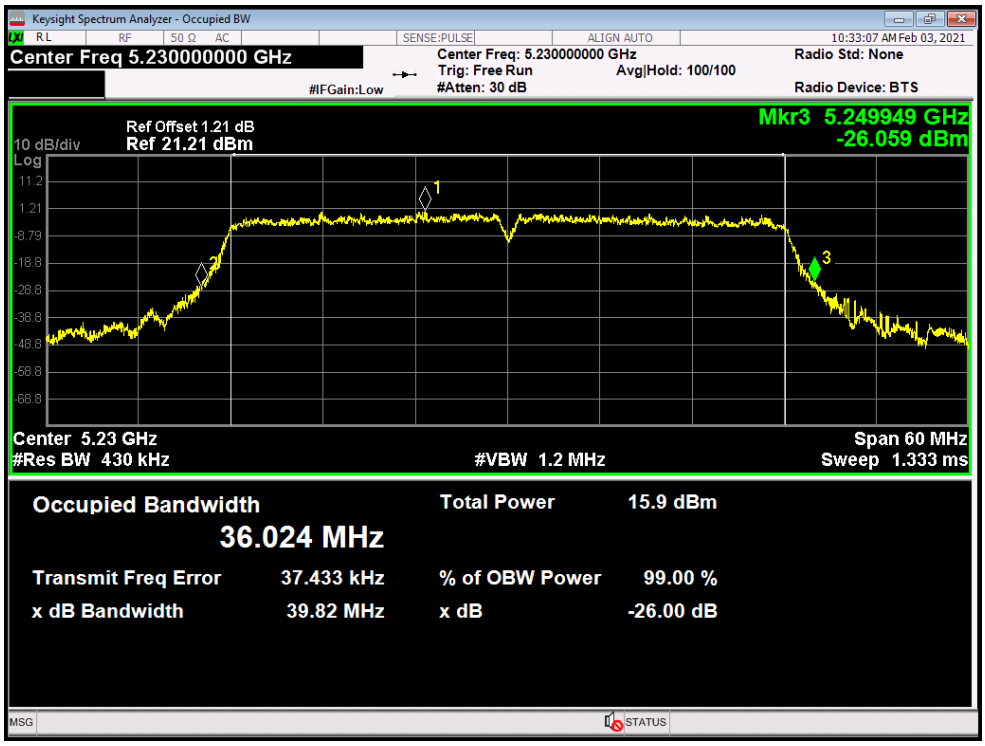
-26dB Bandwidth NVNT n40 5230MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant2



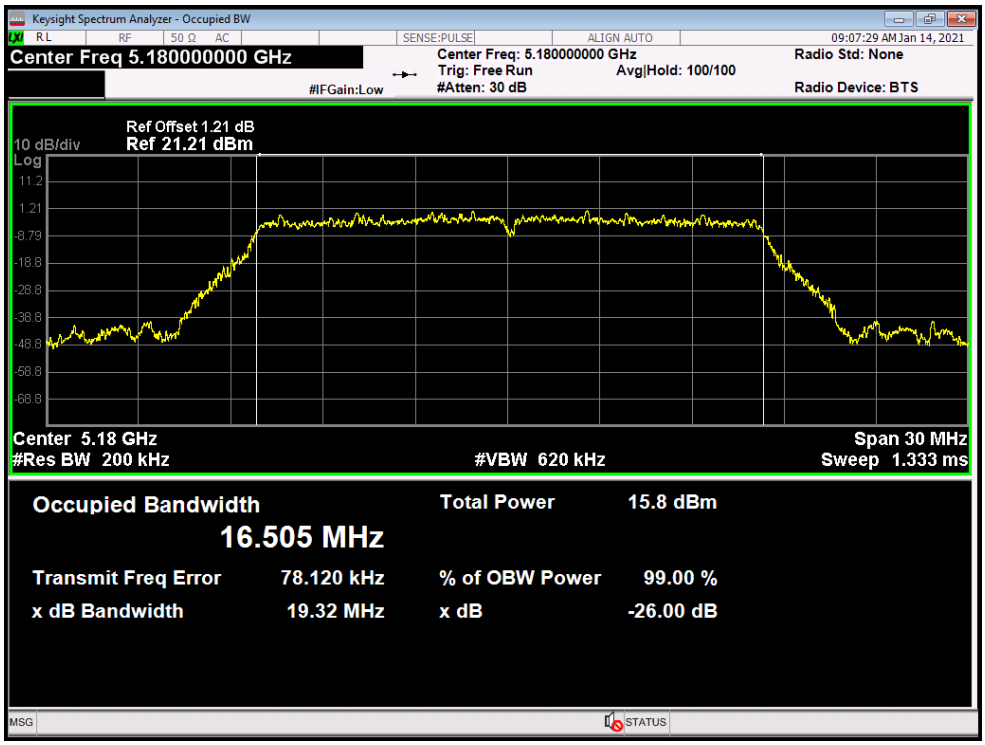
-26dB Bandwidth NVNT n40 5230MHz Ant2



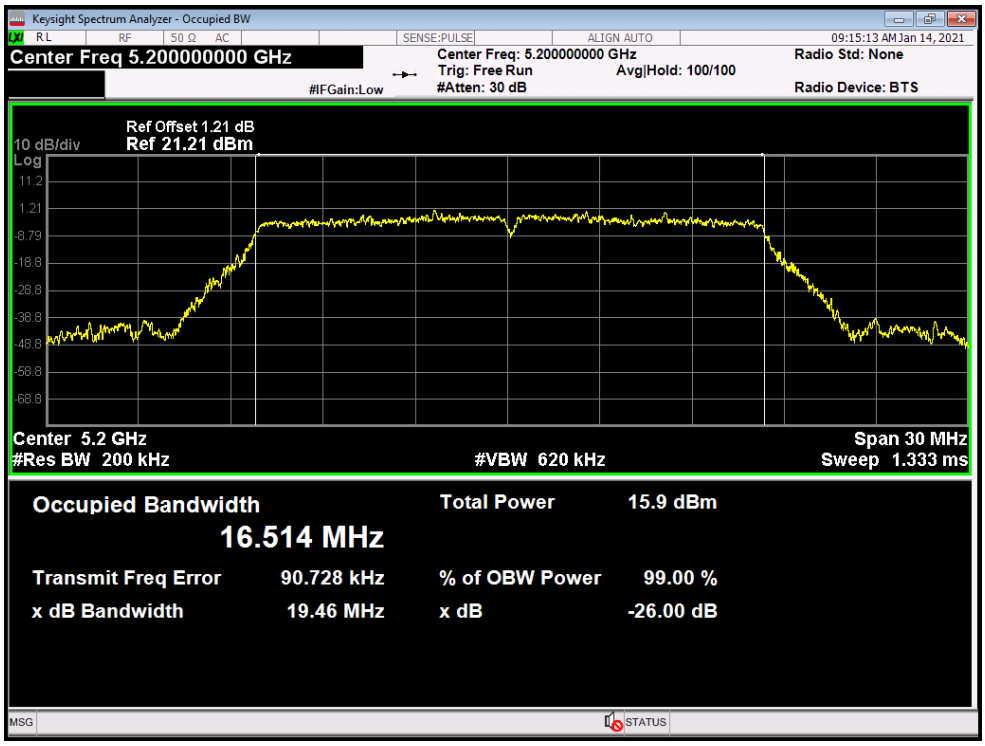
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.505
NVNT	a	5200	Ant1	16.514
NVNT	a	5240	Ant1	16.516
NVNT	a	5180	Ant2	16.53
NVNT	a	5200	Ant2	16.512
NVNT	a	5240	Ant2	16.535
NVNT	ac20	5180	Ant1	17.584
NVNT	ac20	5200	Ant1	17.581
NVNT	ac20	5240	Ant1	17.604
NVNT	ac20	5180	Ant2	17.591
NVNT	ac20	5200	Ant2	17.565
NVNT	ac20	5240	Ant2	17.597
NVNT	ac40	5190	Ant1	35.988
NVNT	ac40	5230	Ant1	36.012
NVNT	ac40	5190	Ant2	35.993
NVNT	ac40	5230	Ant2	36.006
NVNT	ac80	5210	Ant1	74.877
NVNT	ac80	5210	Ant2	74.849
NVNT	n20	5180	Ant1	17.585
NVNT	n20	5200	Ant1	17.57
NVNT	n20	5240	Ant1	17.584
NVNT	n20	5180	Ant2	17.615
NVNT	n20	5200	Ant2	17.562
NVNT	n20	5240	Ant2	17.6
NVNT	n40	5190	Ant1	35.984
NVNT	n40	5230	Ant1	36.005
NVNT	n40	5190	Ant2	36.036
NVNT	n40	5230	Ant2	36.011

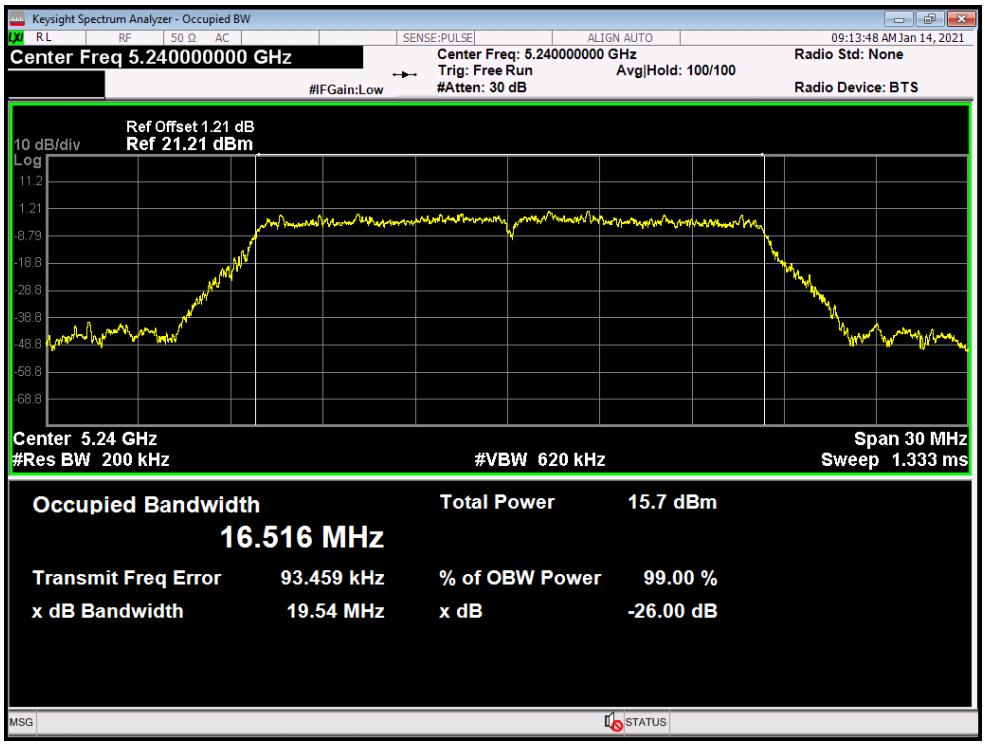
OBW NVNT a 5180MHz Ant1



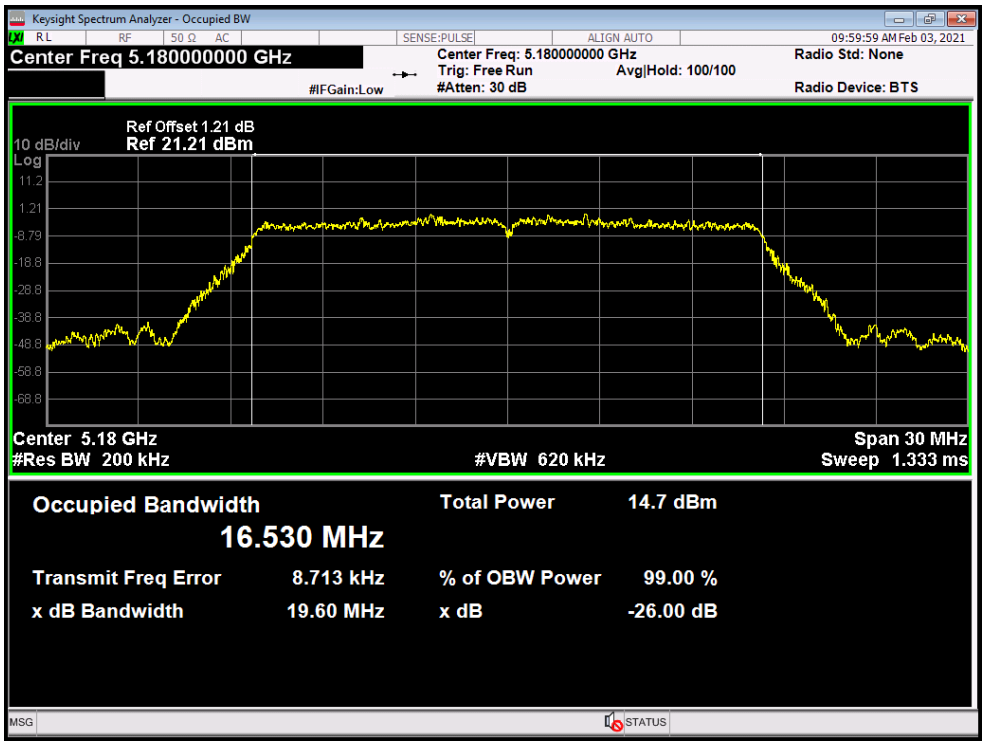
OBW NVNT a 5200MHz Ant1



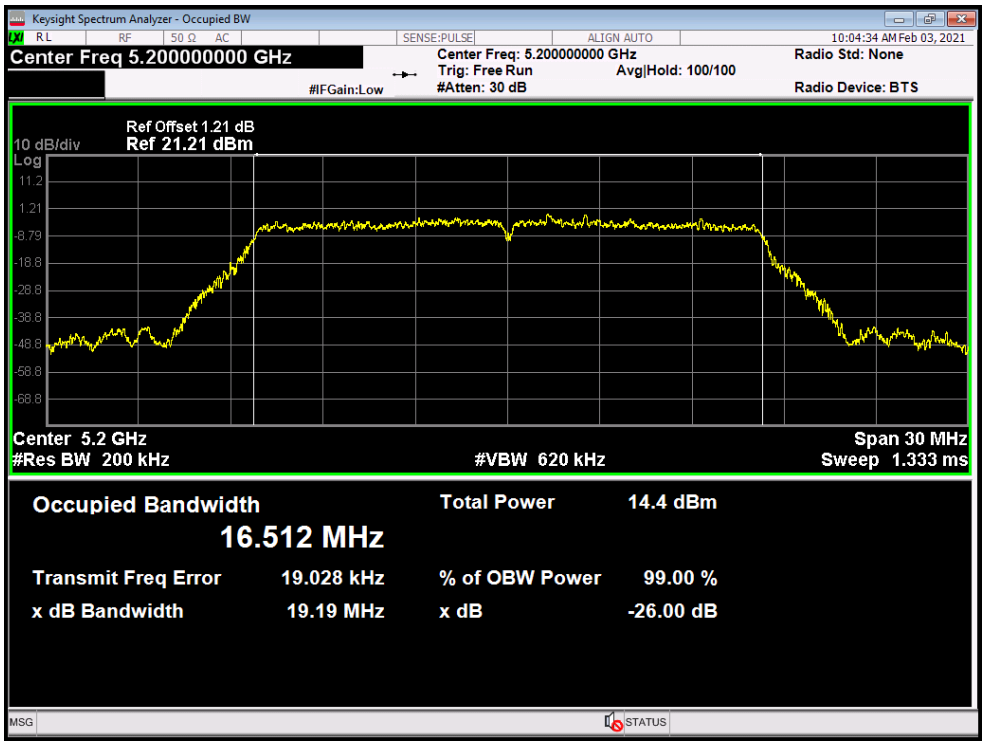
OBW NVNT a 5240MHz Ant1



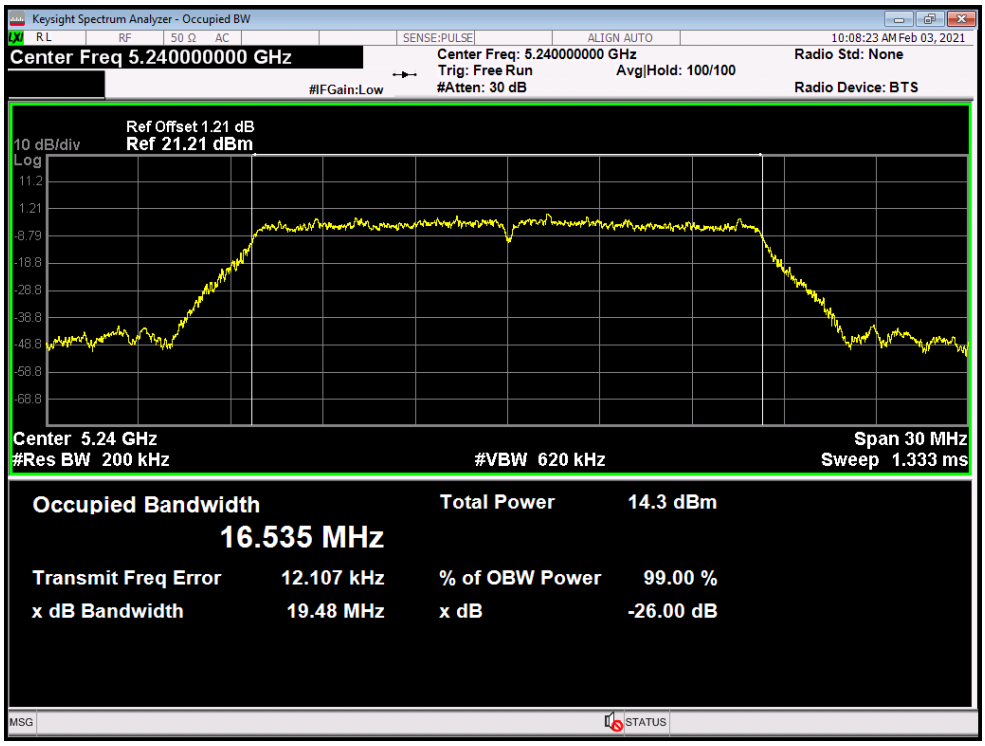
OBW NVNT a 5180MHz Ant2



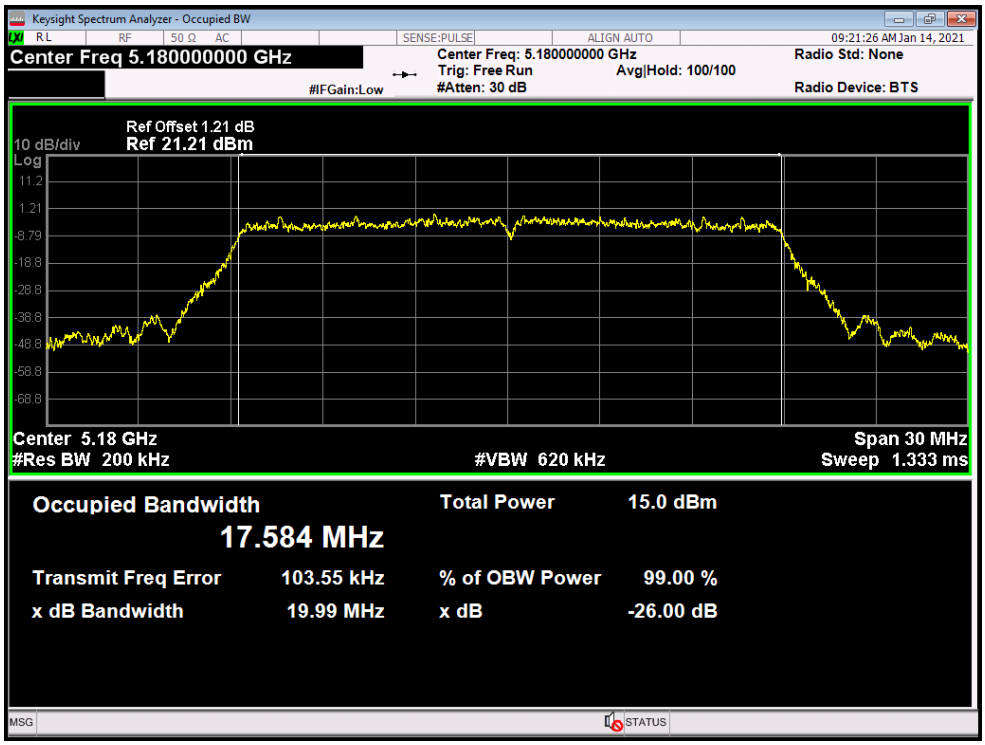
OBW NVNT a 5200MHz Ant2



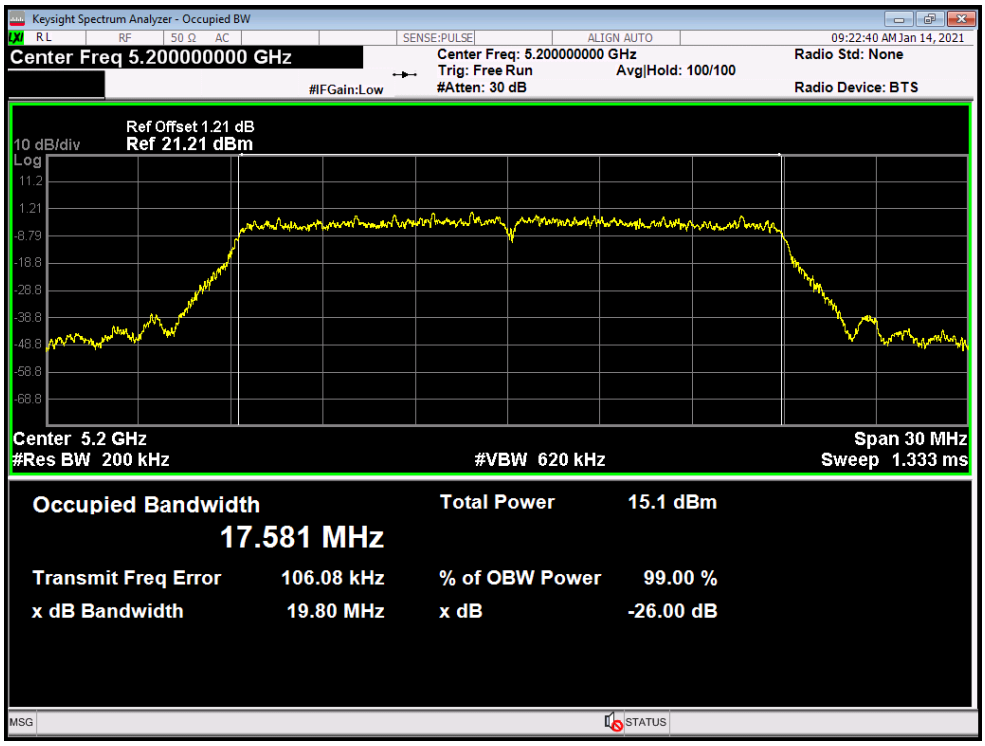
OBW NVNT a 5240MHz Ant2



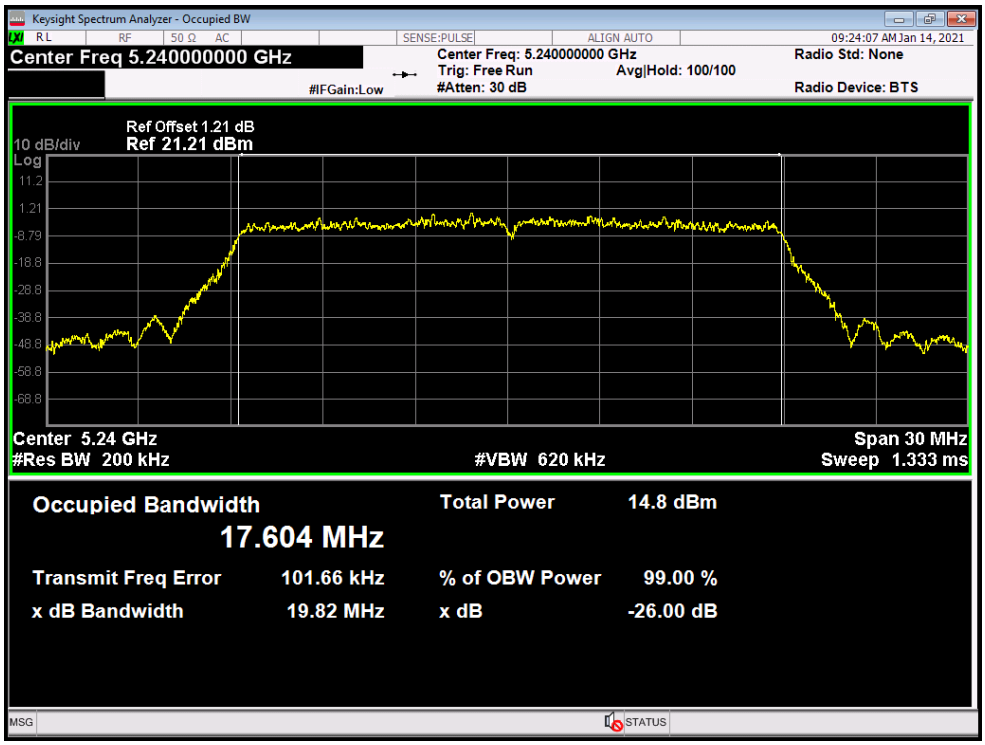
OBW NVNT ac20 5180MHz Ant1



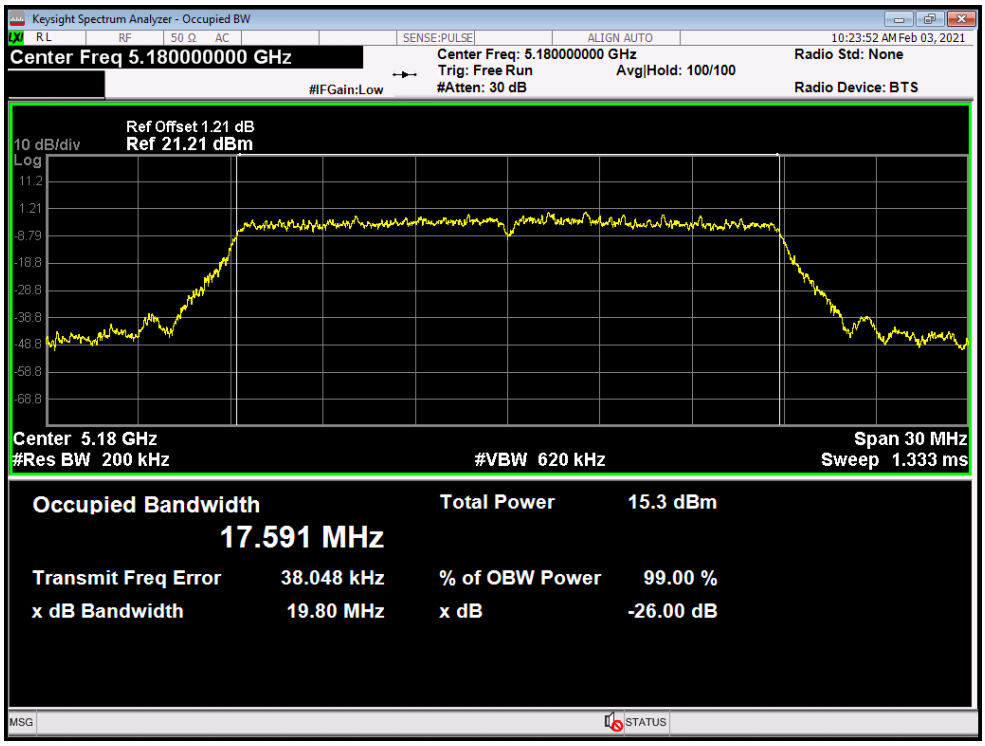
OBW NVNT ac20 5200MHz Ant1



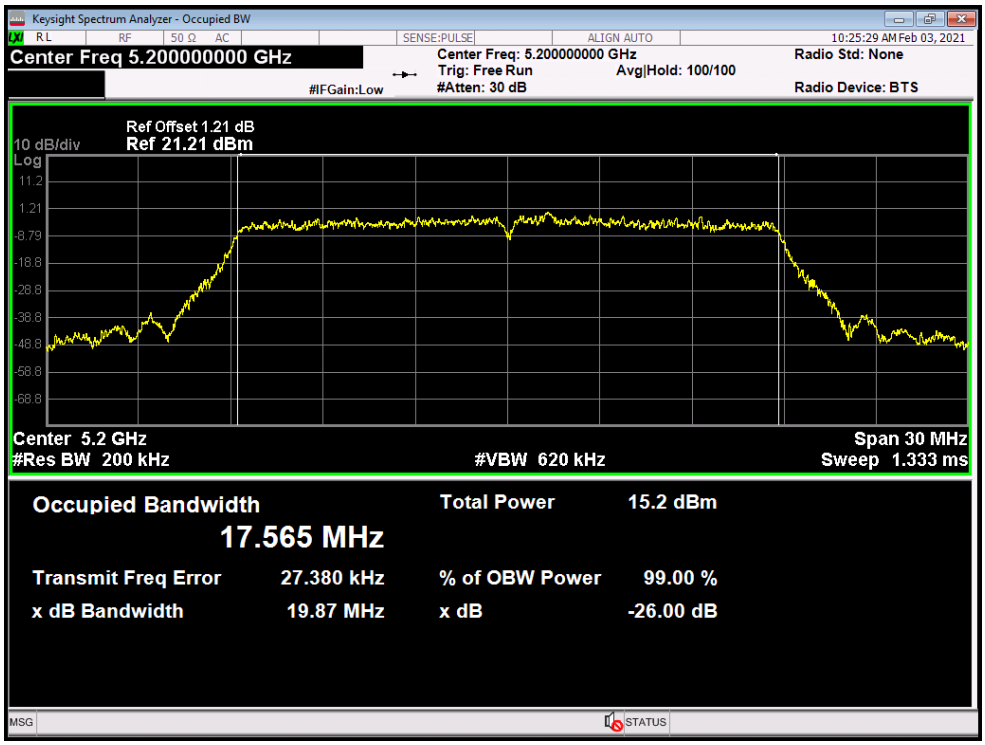
OBW NVNT ac20 5240MHz Ant1



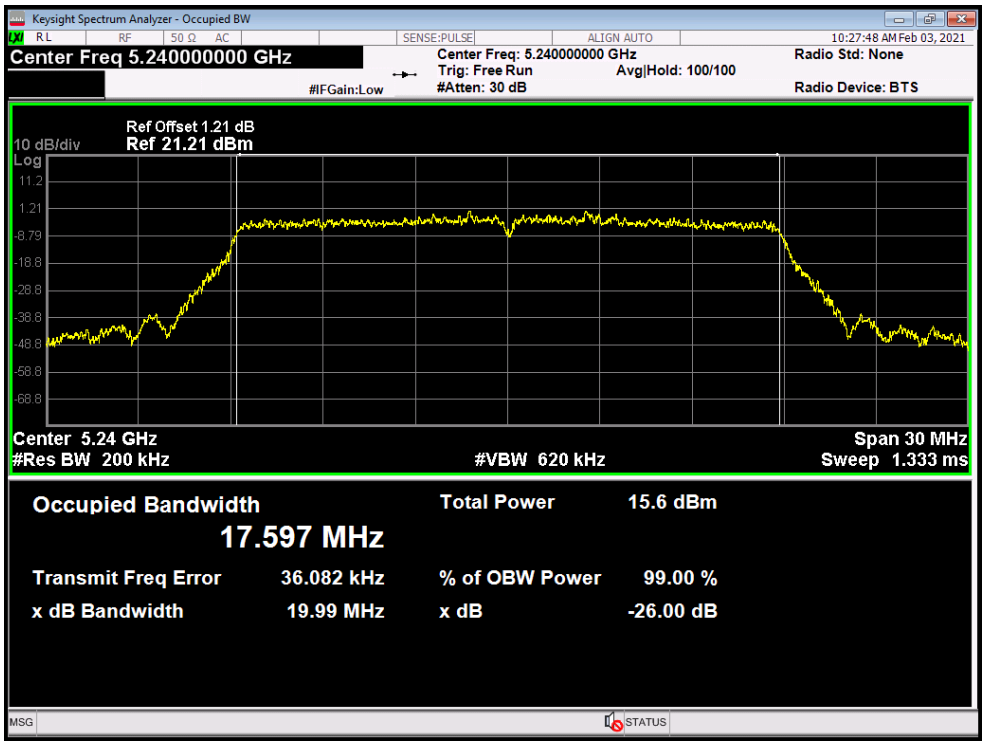
OBW NVNT ac20 5180MHz Ant2



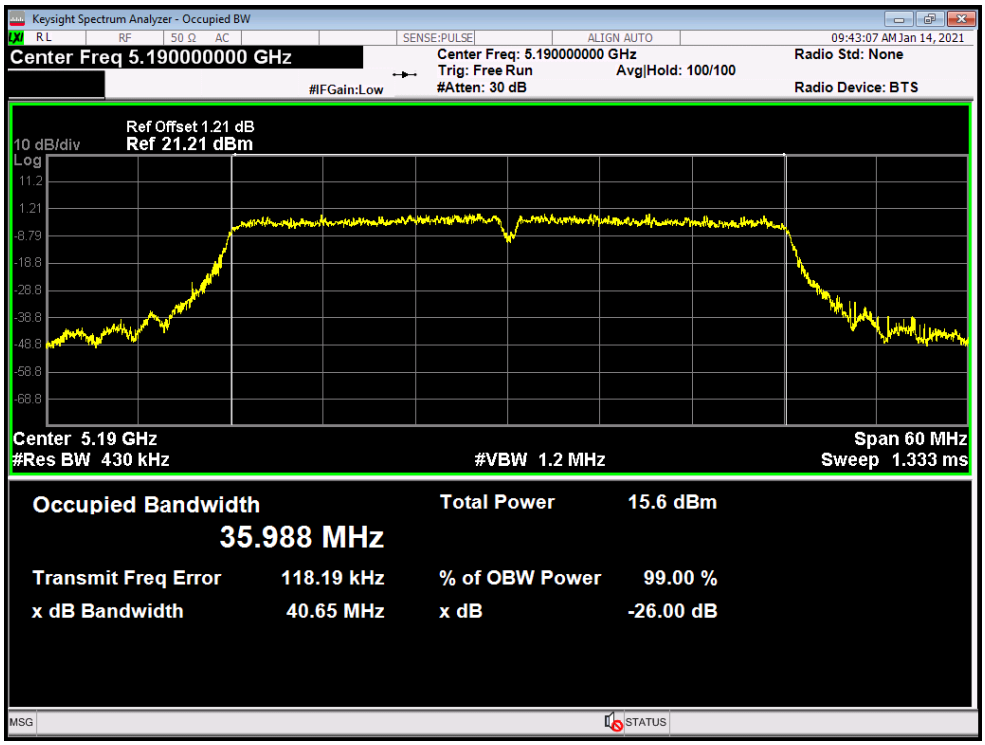
OBW NVNT ac20 5200MHz Ant2



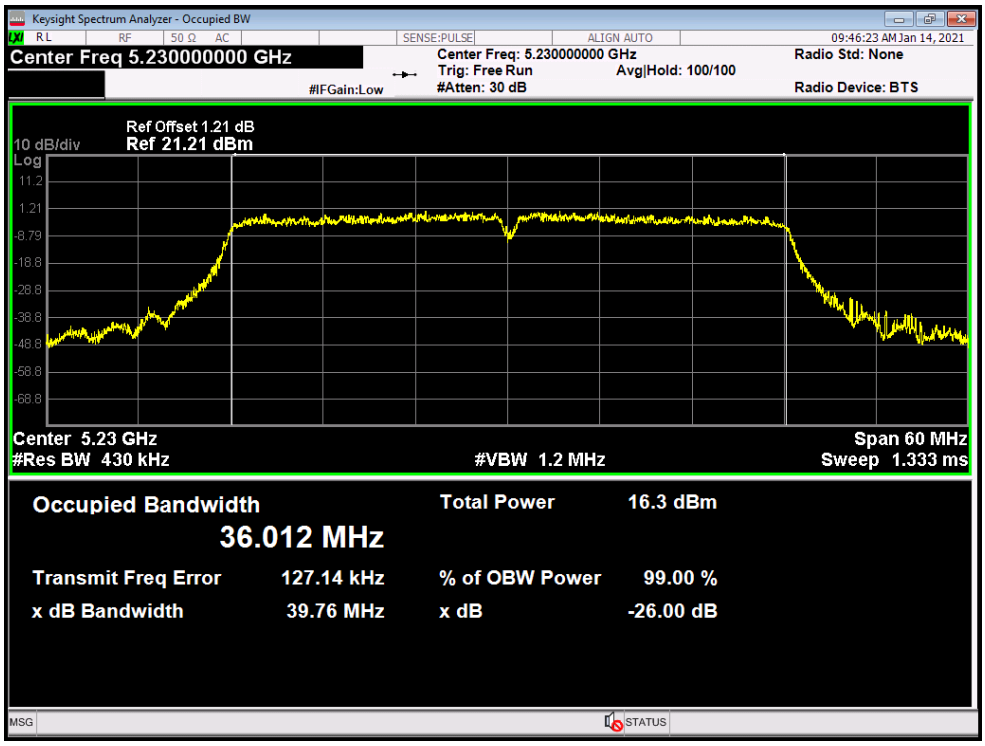
OBW NVNT ac20 5240MHz Ant2



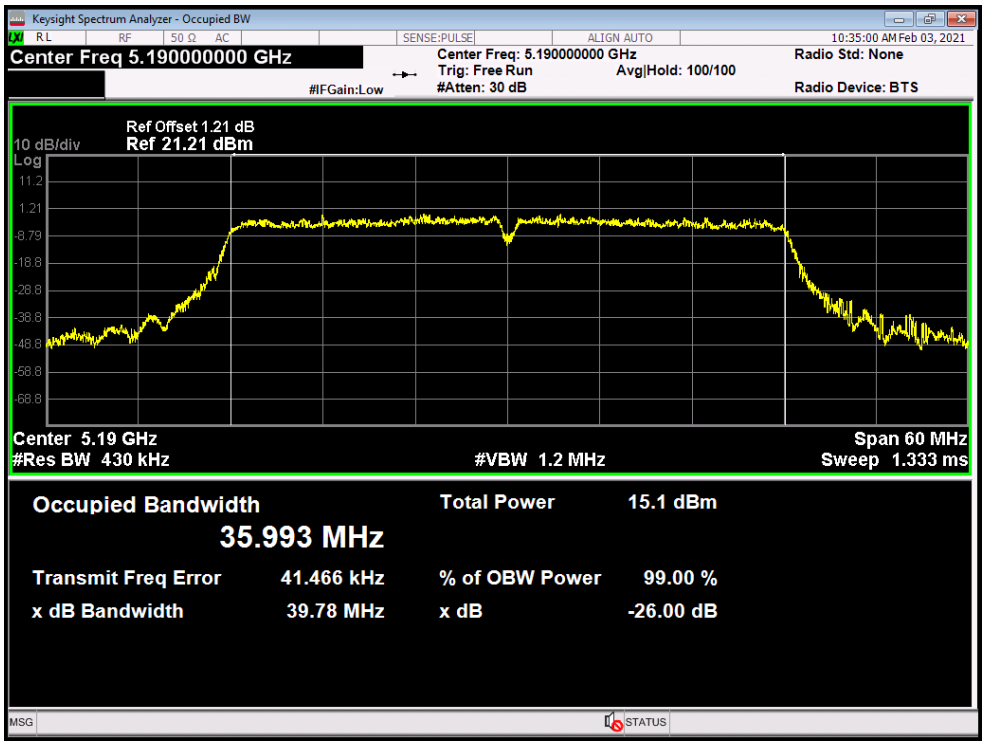
OBW NVNT ac40 5190MHz Ant1



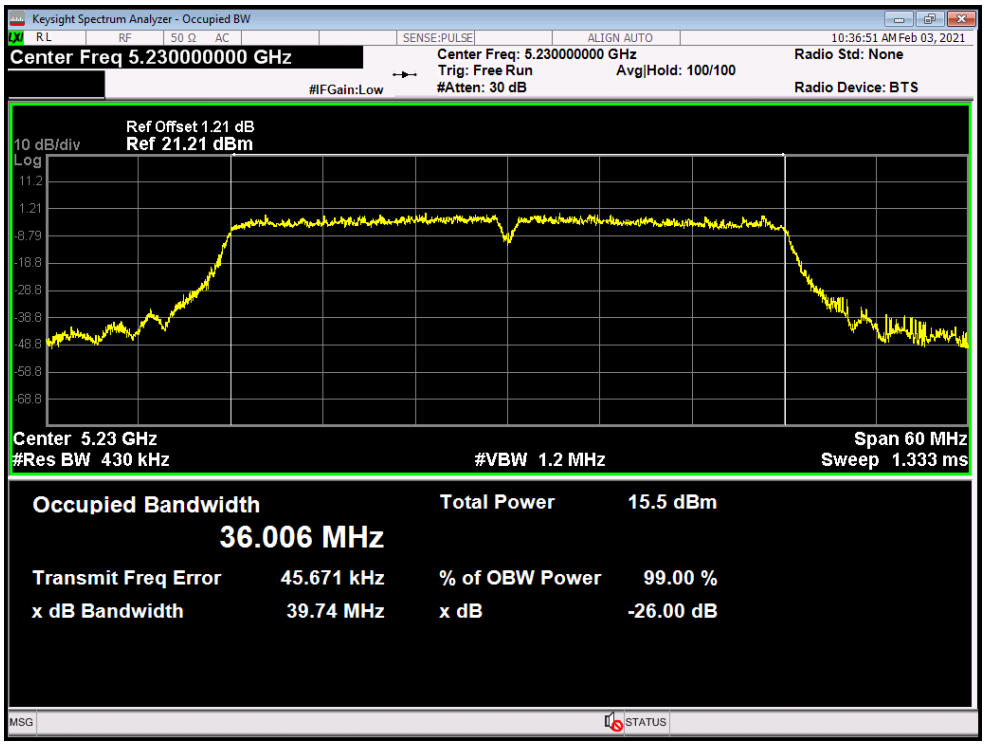
OBW NVNT ac40 5230MHz Ant1



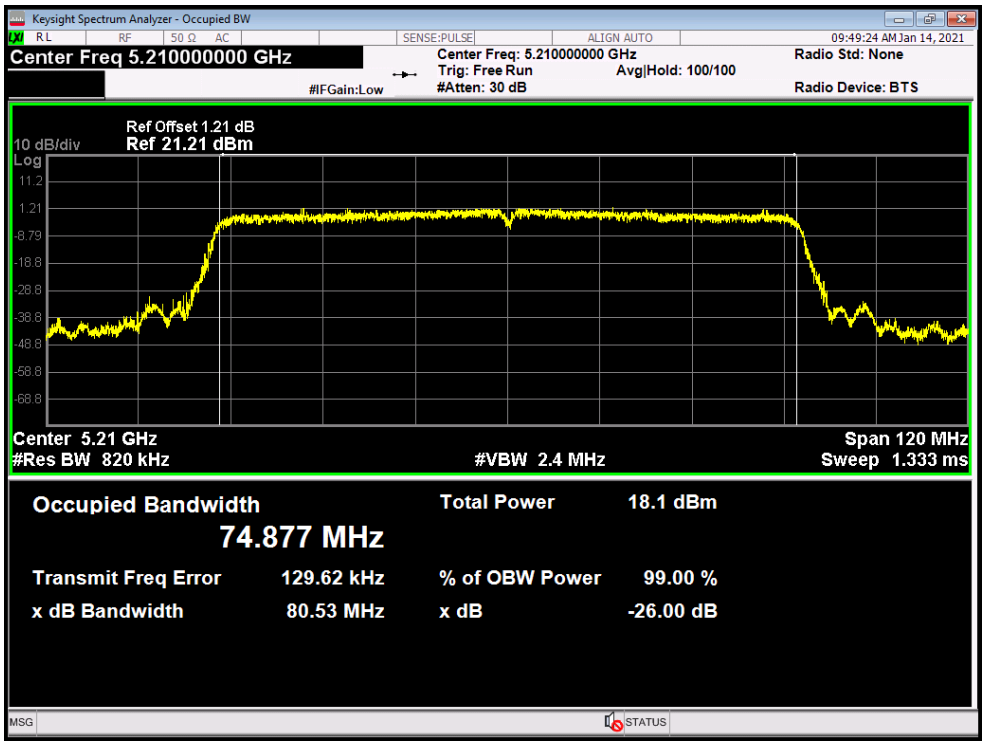
OBW NVNT ac40 5190MHz Ant2



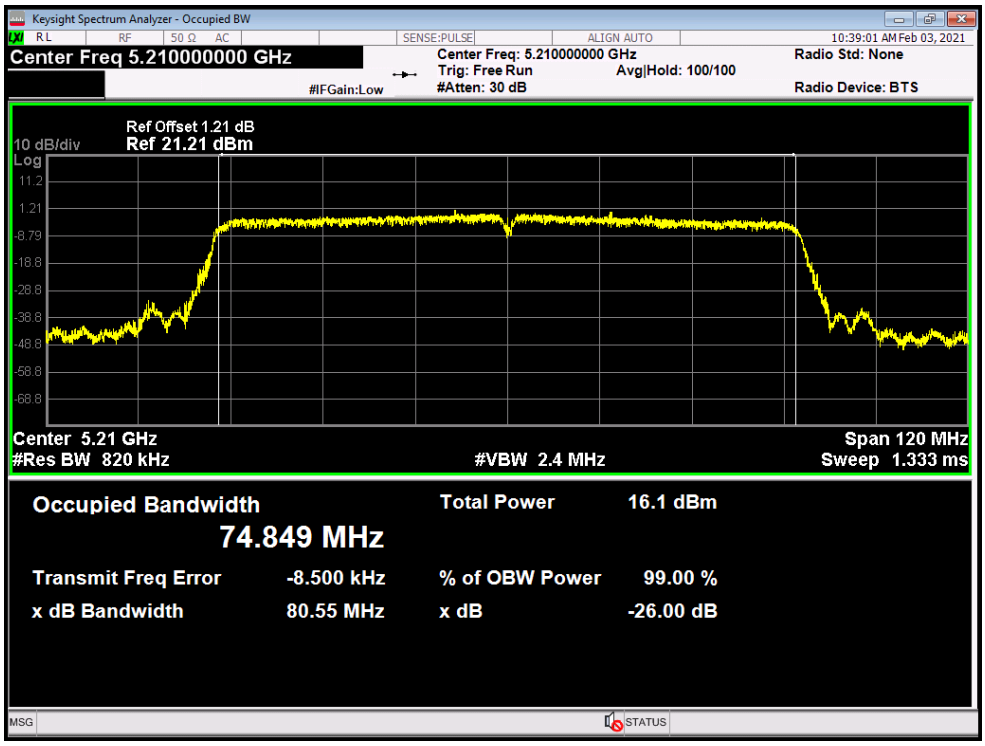
OBW NVNT ac40 5230MHz Ant2



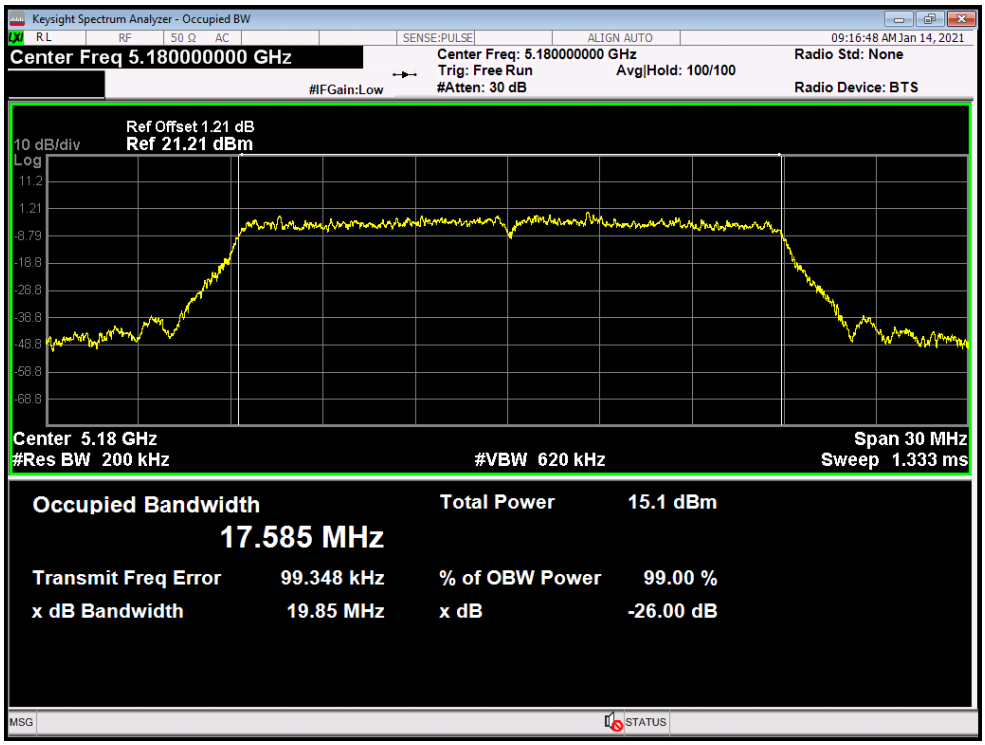
OBW NVNT ac80 5210MHz Ant1



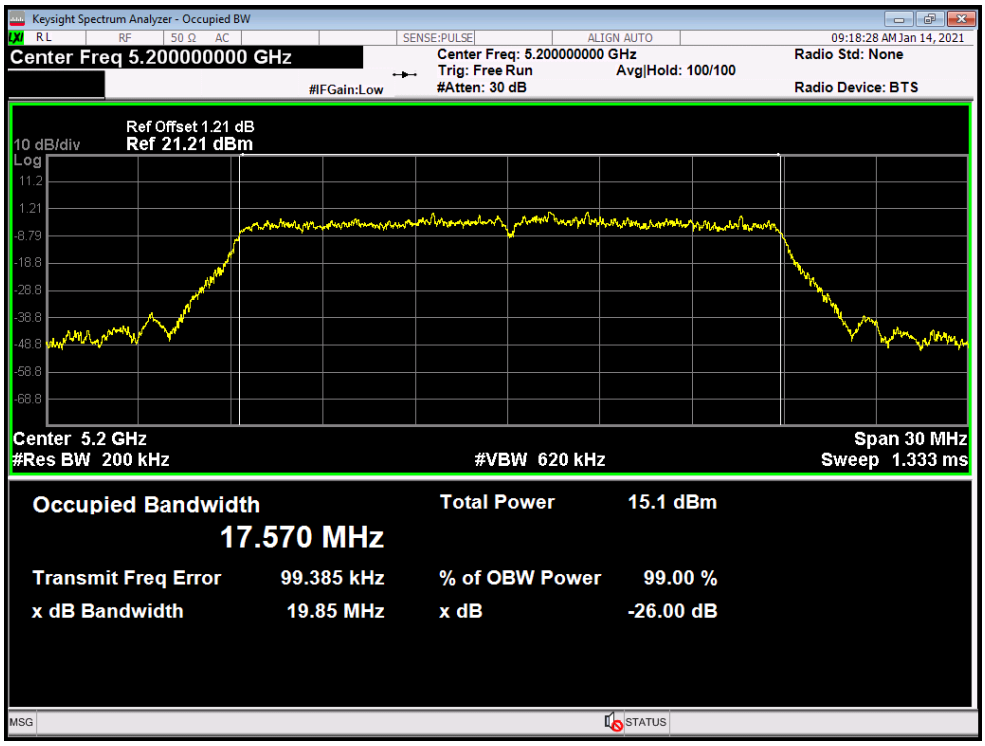
OBW NVNT ac80 5210MHz Ant2



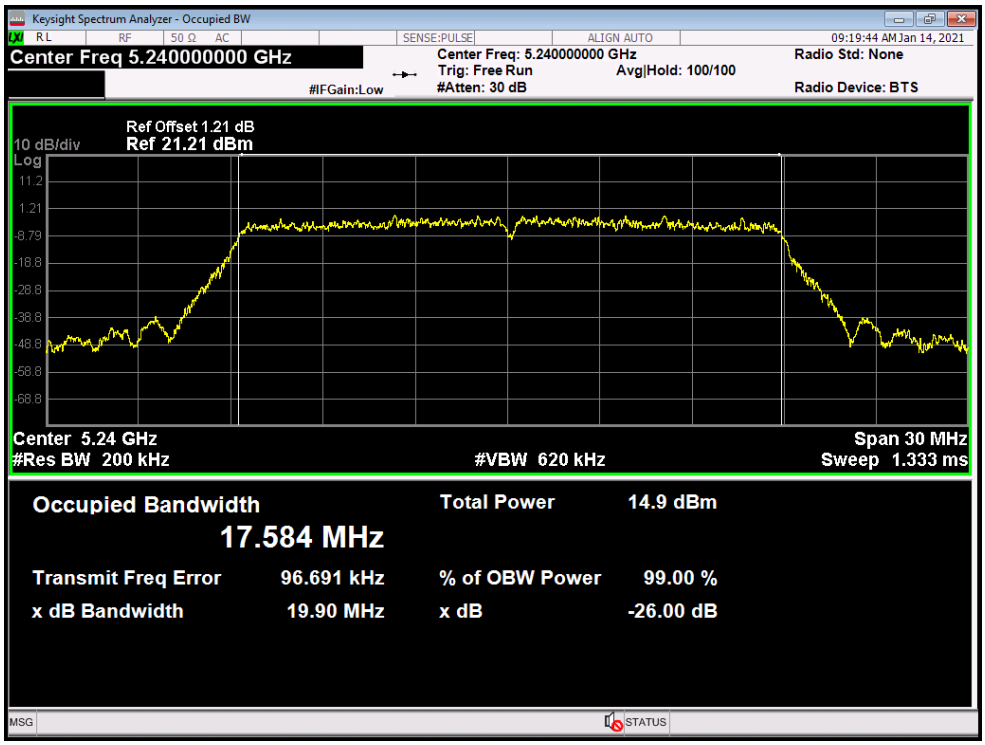
OBW NVNT n20 5180MHz Ant1



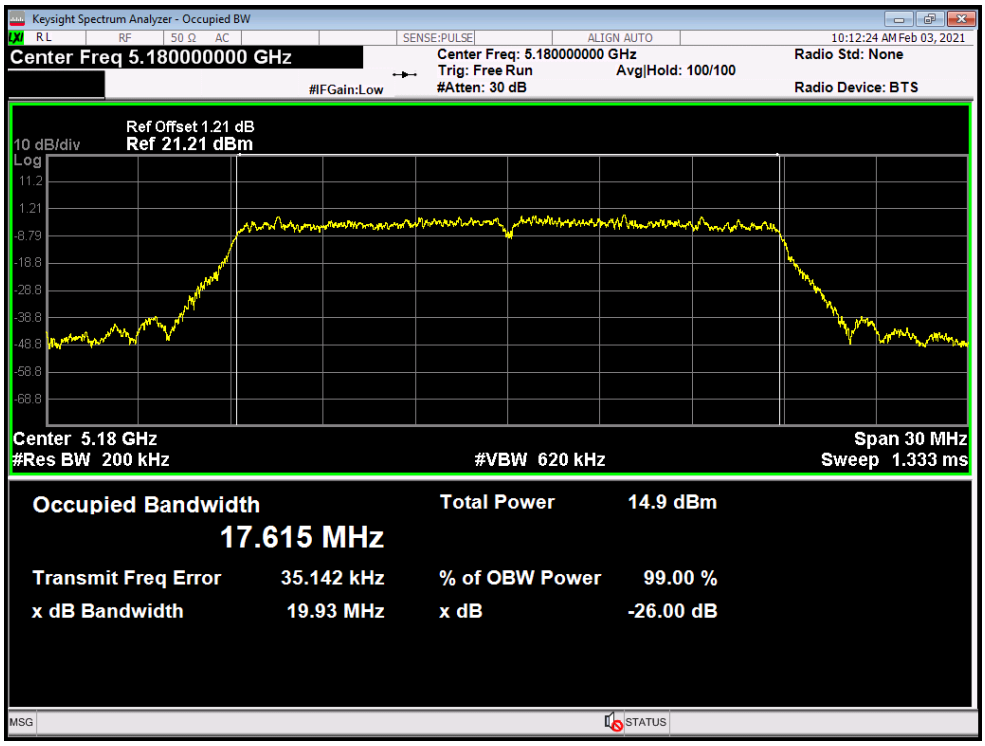
OBW NVNT n20 5200MHz Ant1



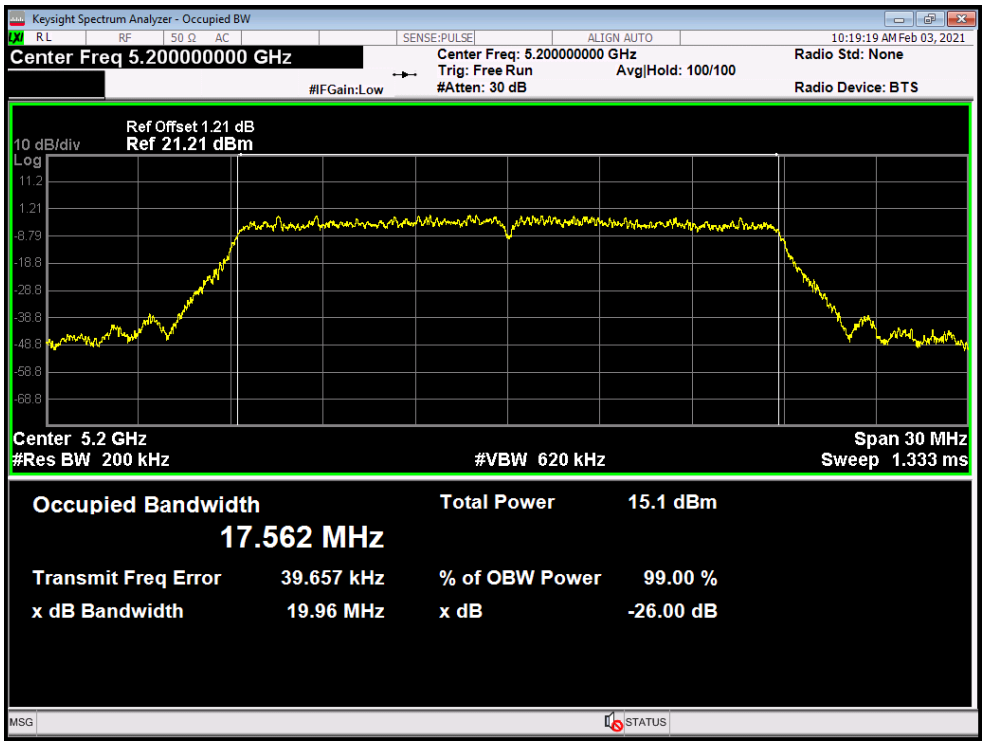
OBW NVNT n20 5240MHz Ant1



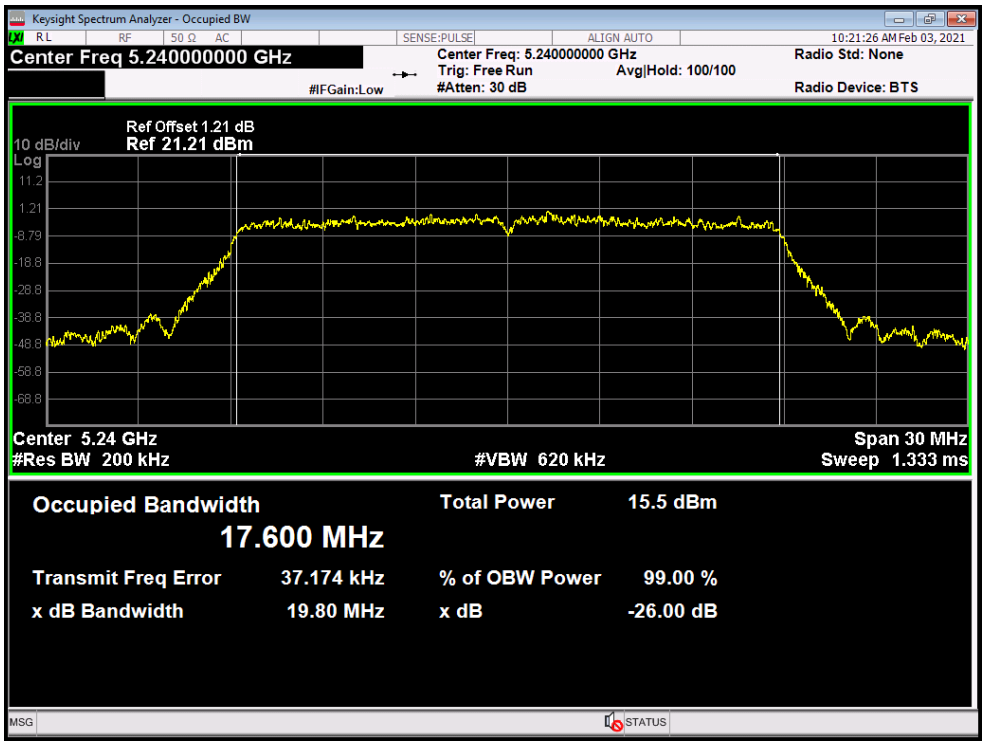
OBW NVNT n20 5180MHz Ant2



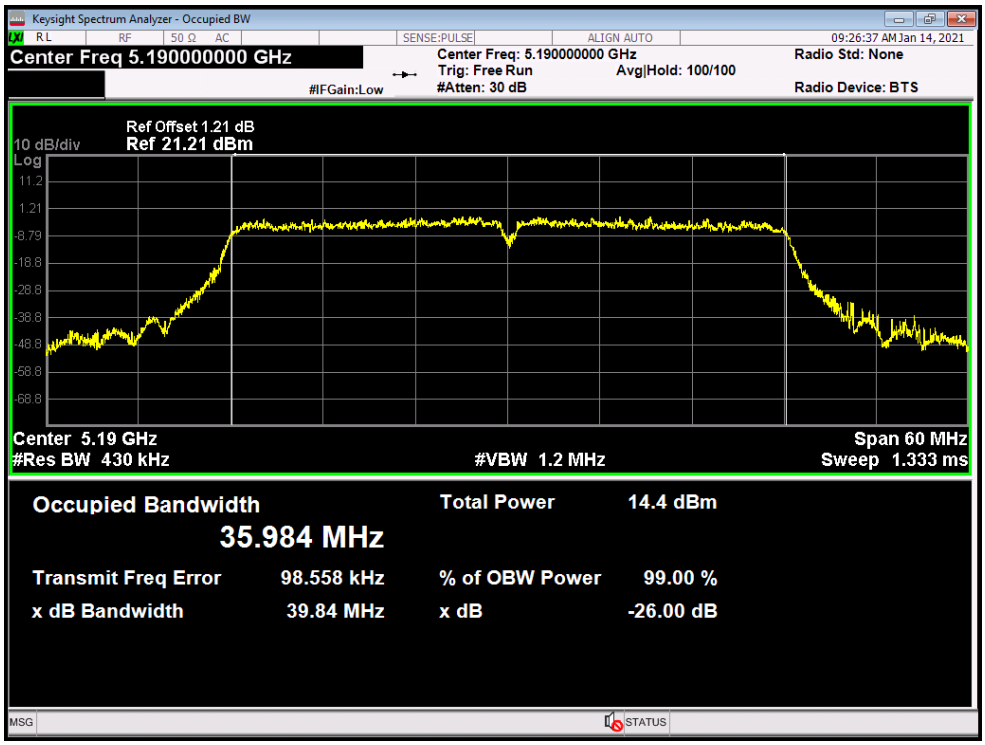
OBW NVNT n20 5200MHz Ant2



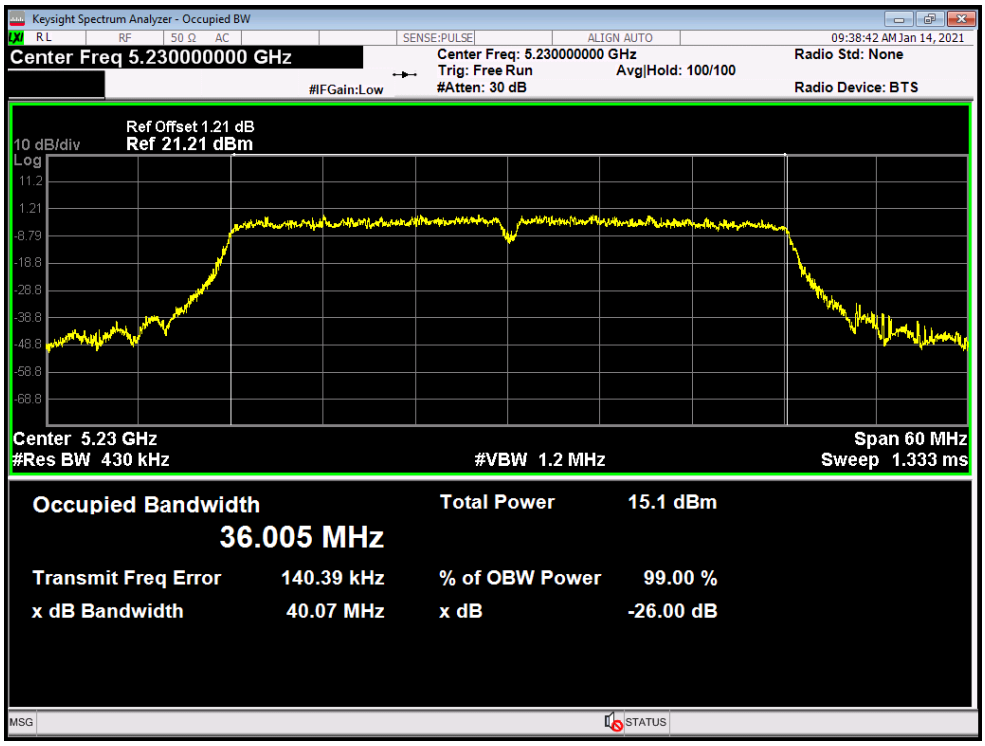
OBW NVNT n20 5240MHz Ant2



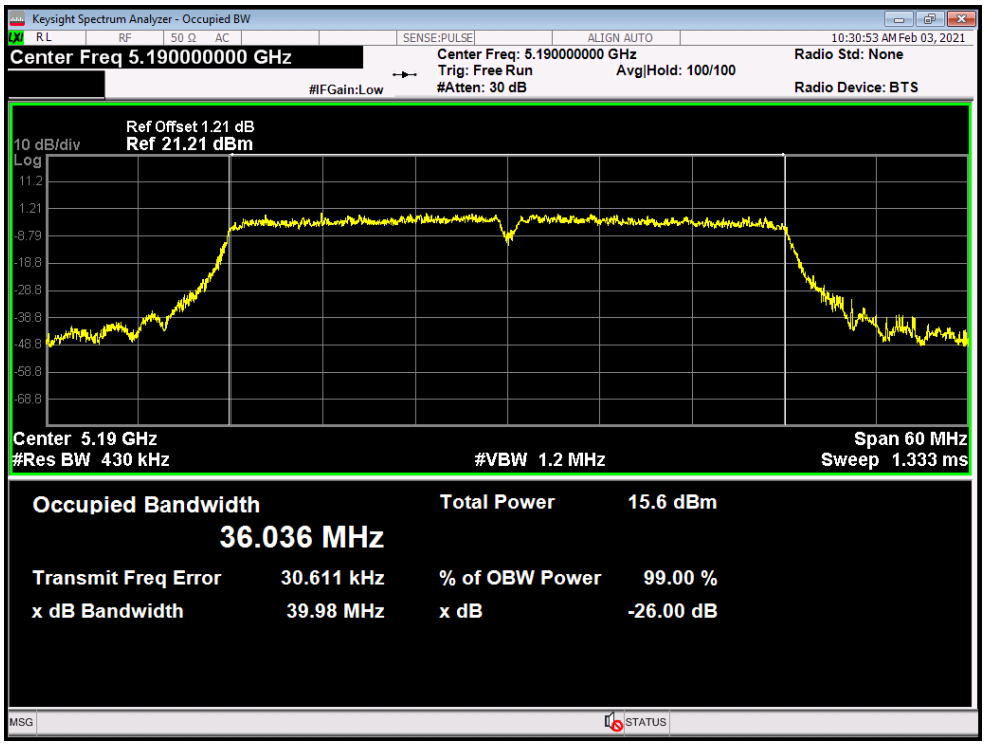
OBW NVNT n40 5190MHz Ant1



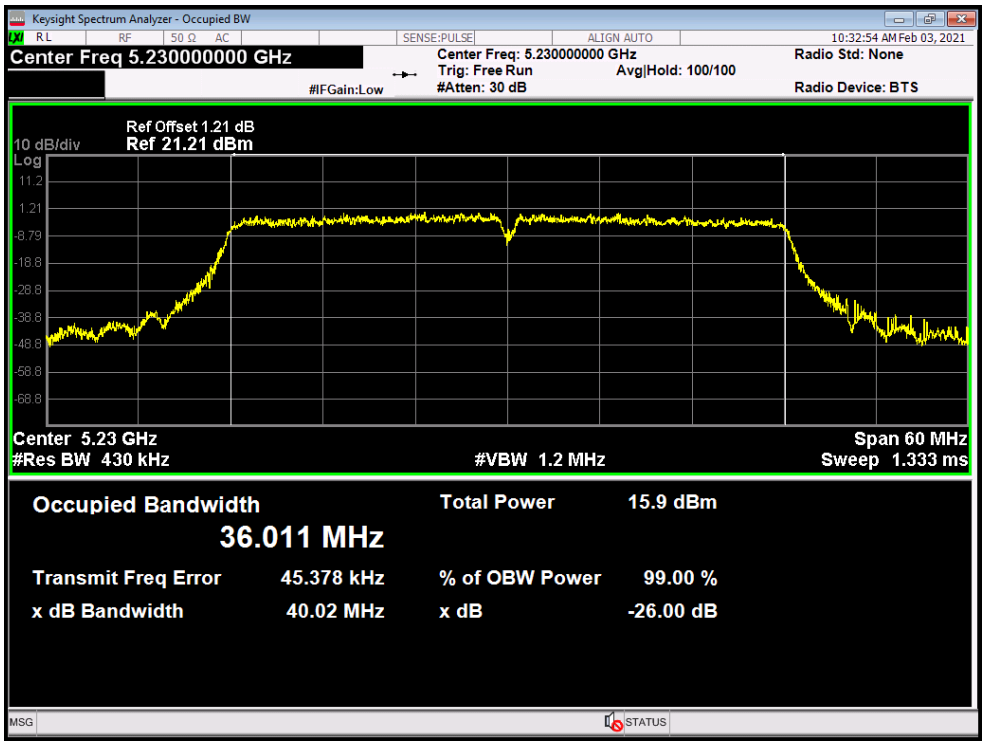
OBW NVNT n40 5230MHz Ant1



OBW NVNT n40 5190MHz Ant2



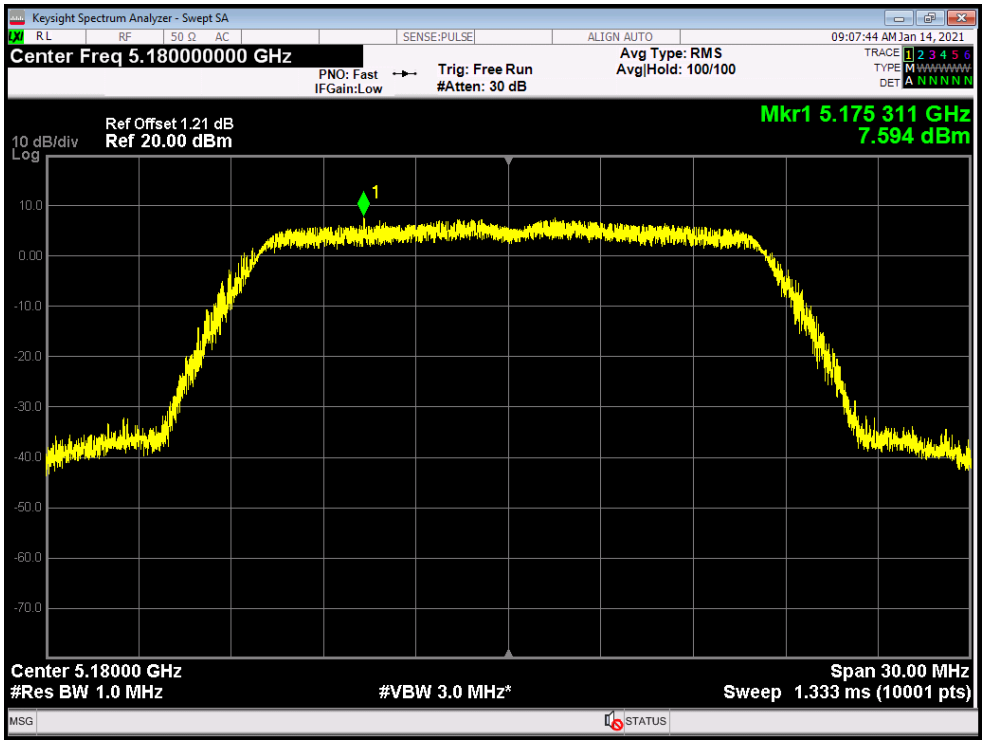
OBW NVNT n40 5230MHz Ant2



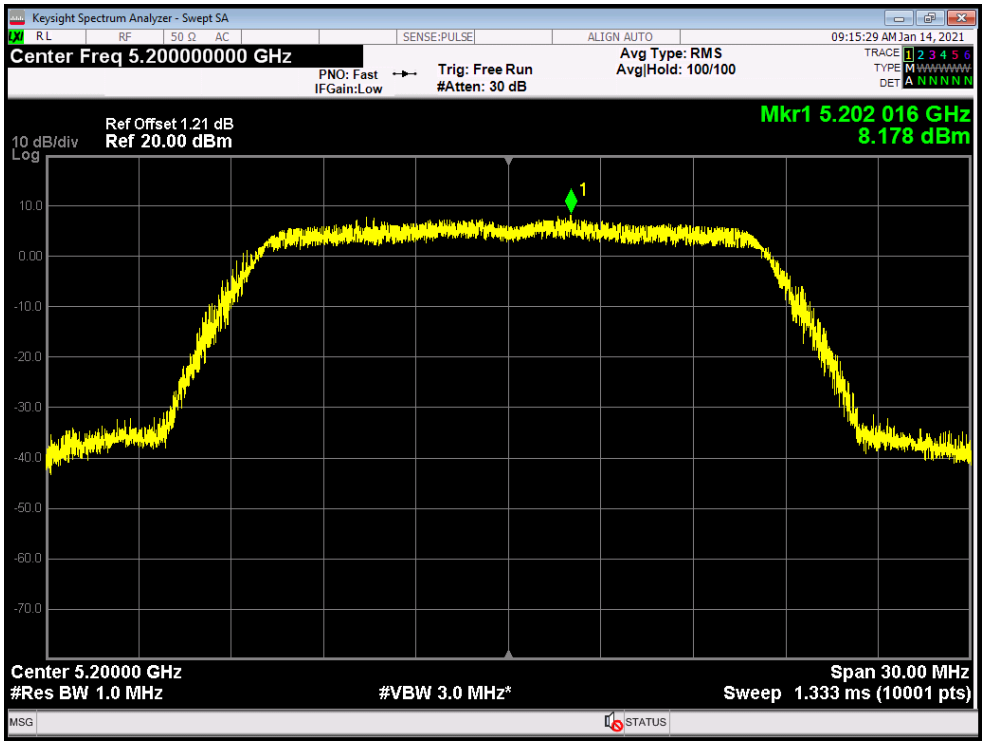
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Duty Factor (dB)	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	7.594	0	7.594	17	Pass
NVNT	a	5200	Ant1	8.178	0	8.178	17	Pass
NVNT	a	5240	Ant1	7.675	0	7.675	17	Pass
NVNT	a	5180	Ant2	6.766	0	6.766	17	Pass
NVNT	a	5200	Ant2	6.51	0	6.51	17	Pass
NVNT	a	5240	Ant2	6.608	0	6.608	17	Pass
NVNT	ac20	5180	Ant1	6.123	0.31	6.433	17	Pass
NVNT	ac20	5200	Ant1	6.173	0.32	6.493	17	Pass
NVNT	ac20	5240	Ant1	5.982	0.31	6.292	17	Pass
NVNT	ac20	5180	Ant2	6.446	0.32	6.766	17	Pass
NVNT	ac20	5200	Ant2	6.349	0.33	6.679	17	Pass
NVNT	ac20	5240	Ant2	6.784	0.32	7.104	17	Pass
NVNT	ac20	5180	MIMO	9.148	0.32	9.468	17	Pass
NVNT	ac20	5200	MIMO	9.108	0.33	9.438	17	Pass
NVNT	ac20	5240	MIMO	9.887	0.32	10.207	17	Pass
NVNT	ac40	5190	Ant1	4.877	0.62	5.497	17	Pass
NVNT	ac40	5230	Ant1	4.431	0.61	5.041	17	Pass
NVNT	ac40	5190	Ant2	3.376	0.59	3.966	17	Pass
NVNT	ac40	5230	Ant2	3.801	0.61	4.411	17	Pass
NVNT	ac40	5190	MIMO	7.262	0.61	7.872	17	Pass
NVNT	ac40	5230	MIMO	7.65	0.61	8.26	17	Pass
NVNT	ac80	5210	Ant1	3.285	1.12	4.405	17	Pass
NVNT	ac80	5210	Ant2	0.907	1.14	2.047	17	Pass
NVNT	ac80	5210	MIMO	3.621	1.14	4.761	17	Pass
NVNT	n20	5180	Ant1	6.342	0	6.342	17	Pass
NVNT	n20	5200	Ant1	6.159	0.34	6.499	17	Pass
NVNT	n20	5240	Ant1	6.062	0.34	6.402	17	Pass
NVNT	n20	5180	Ant2	6.222	0	6.222	17	Pass
NVNT	n20	5200	Ant2	6.347	0.33	6.677	17	Pass
NVNT	n20	5240	Ant2	6.779	0.34	7.119	17	Pass
NVNT	n20	5180	MIMO	10.205	0	10.205	17	Pass
NVNT	n20	5200	MIMO	10.402	0.34	10.742	17	Pass
NVNT	n20	5240	MIMO	10.145	0.34	10.485	17	Pass
NVNT	n40	5190	Ant1	2.705	0.63	3.335	17	Pass
NVNT	n40	5230	Ant1	3.507	0.63	4.137	17	Pass
NVNT	n40	5190	Ant2	3.993	0.62	4.613	17	Pass
NVNT	n40	5230	Ant2	4.261	0.63	4.891	17	Pass
NVNT	n40	5190	MIMO	7.393	0.63	8.023	17	Pass
NVNT	n40	5230	MIMO	6.807	0.63	7.437	17	Pass

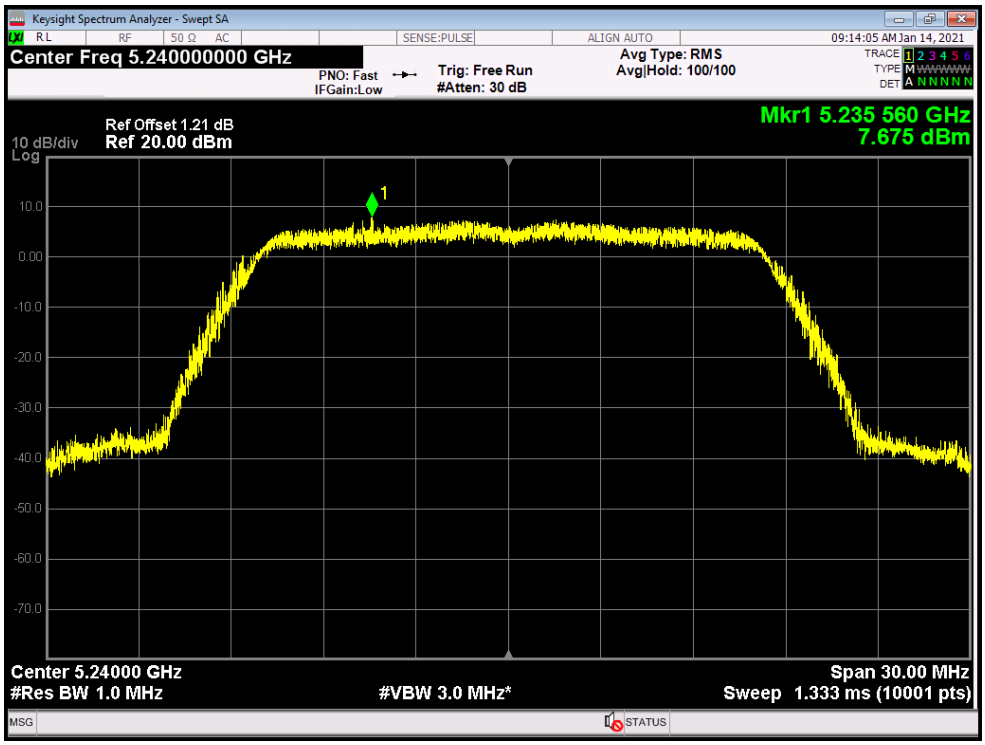
PSD NVNT a 5180MHz Ant1



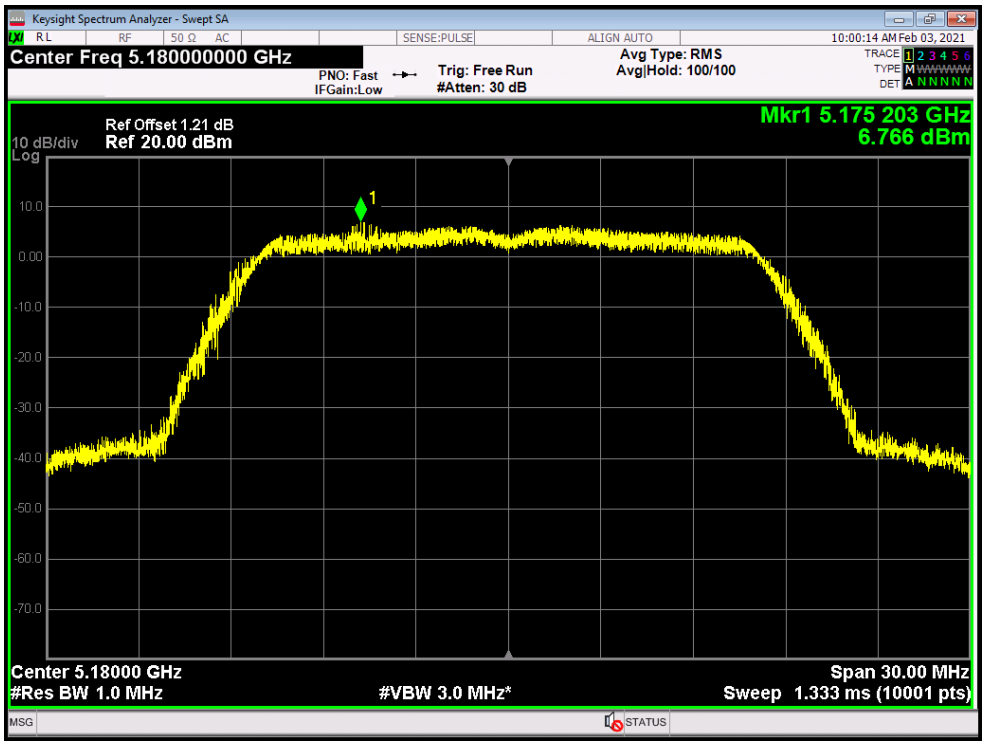
PSD NVNT a 5200MHz Ant1



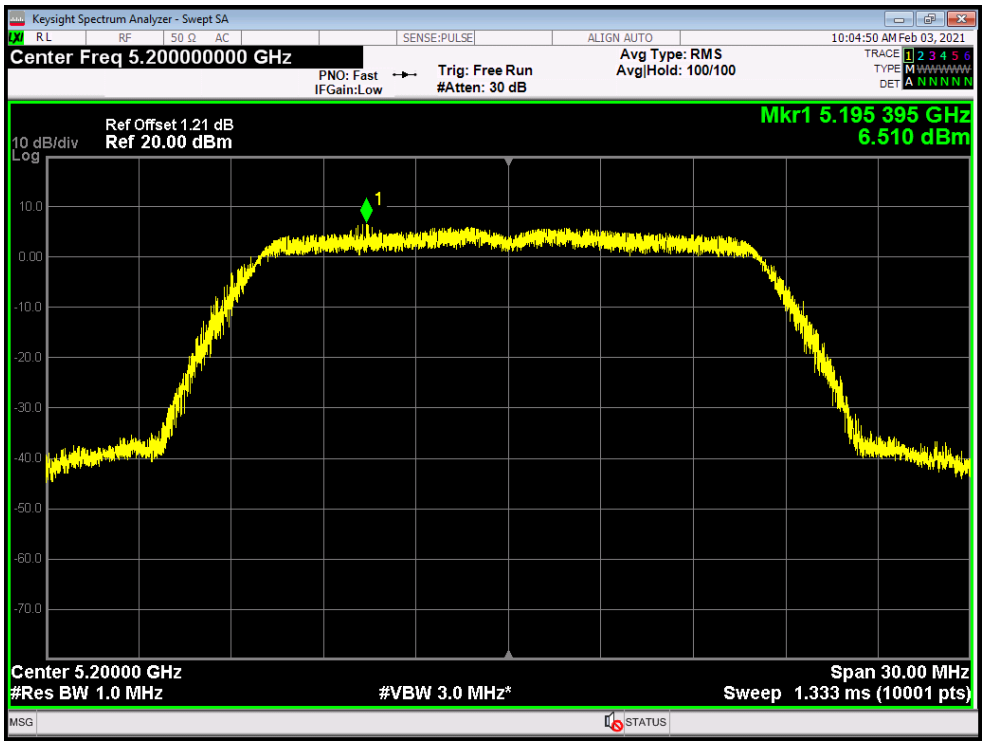
PSD NVNT a 5240MHz Ant1



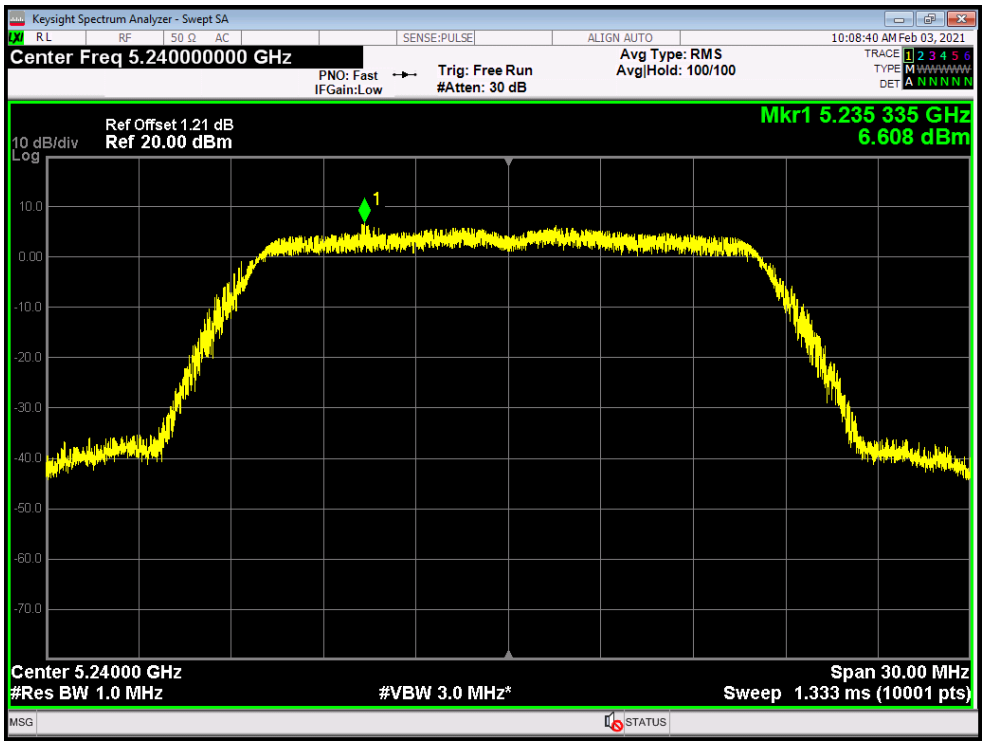
PSD NVNT a 5180MHz Ant2



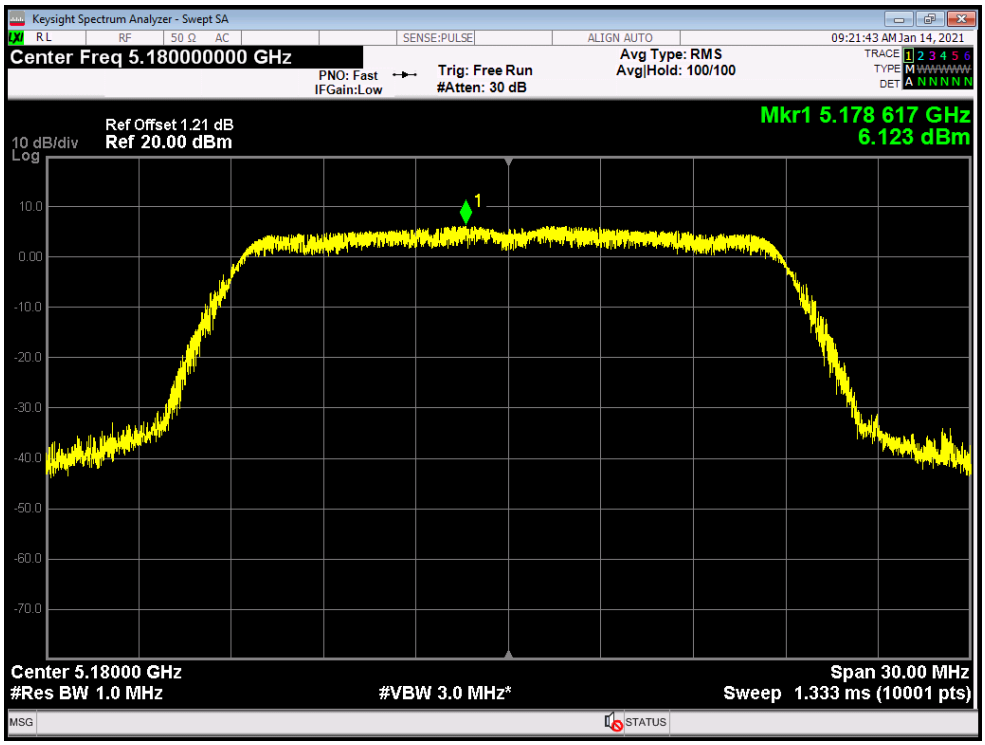
PSD NVNT a 5200MHz Ant2



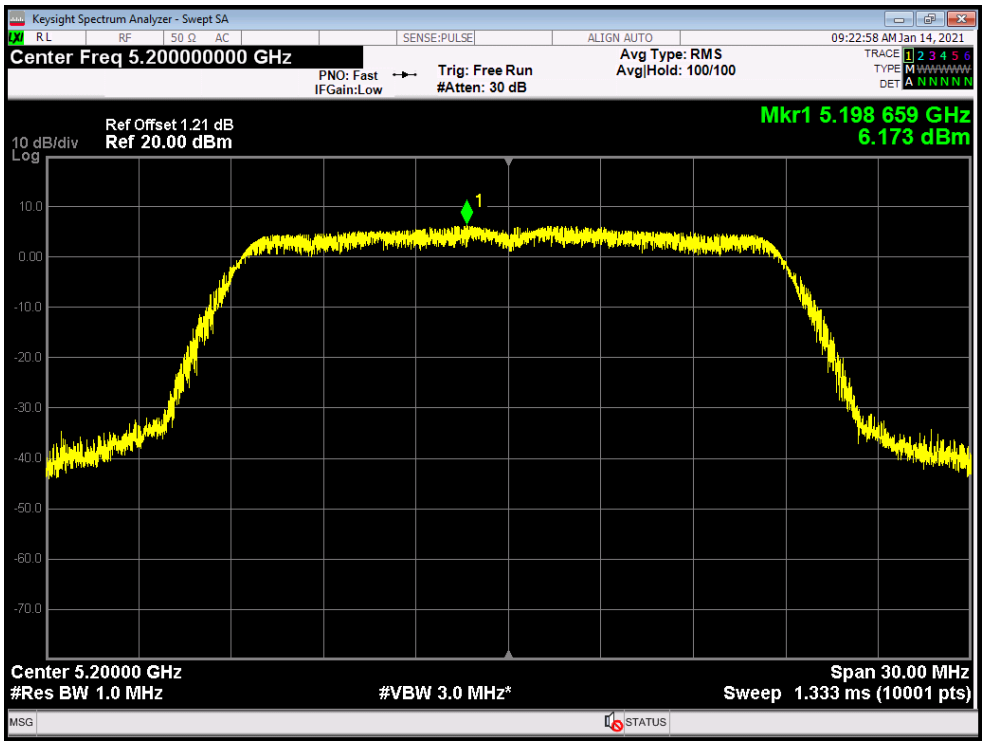
PSD NVNT a 5240MHz Ant2



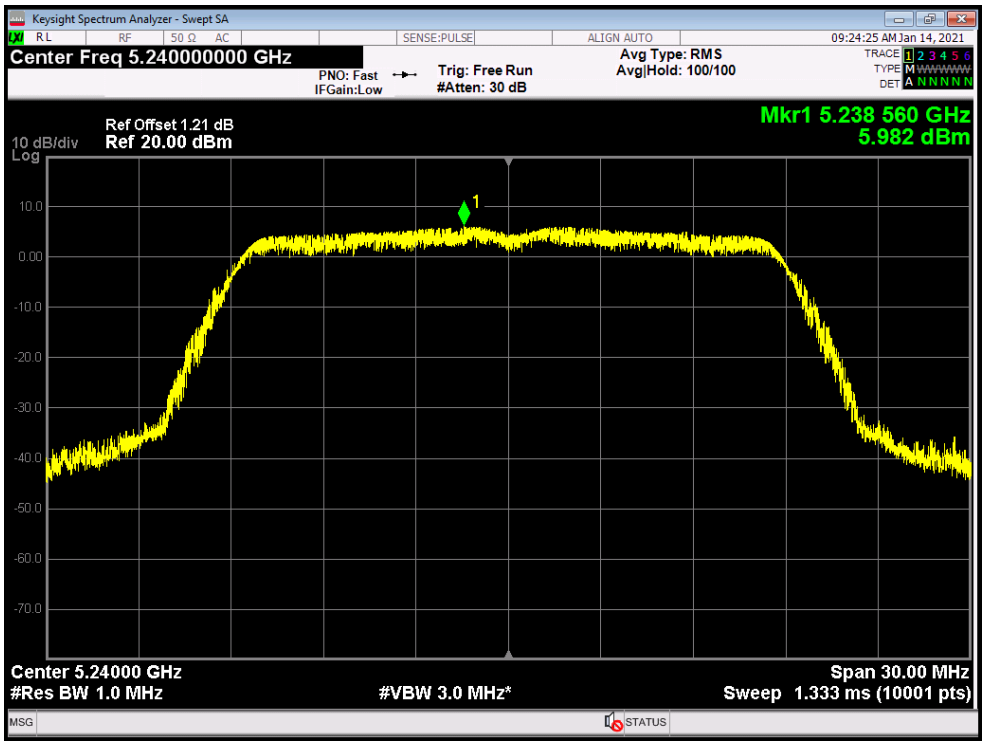
PSD NVNT ac20 5180MHz Ant1



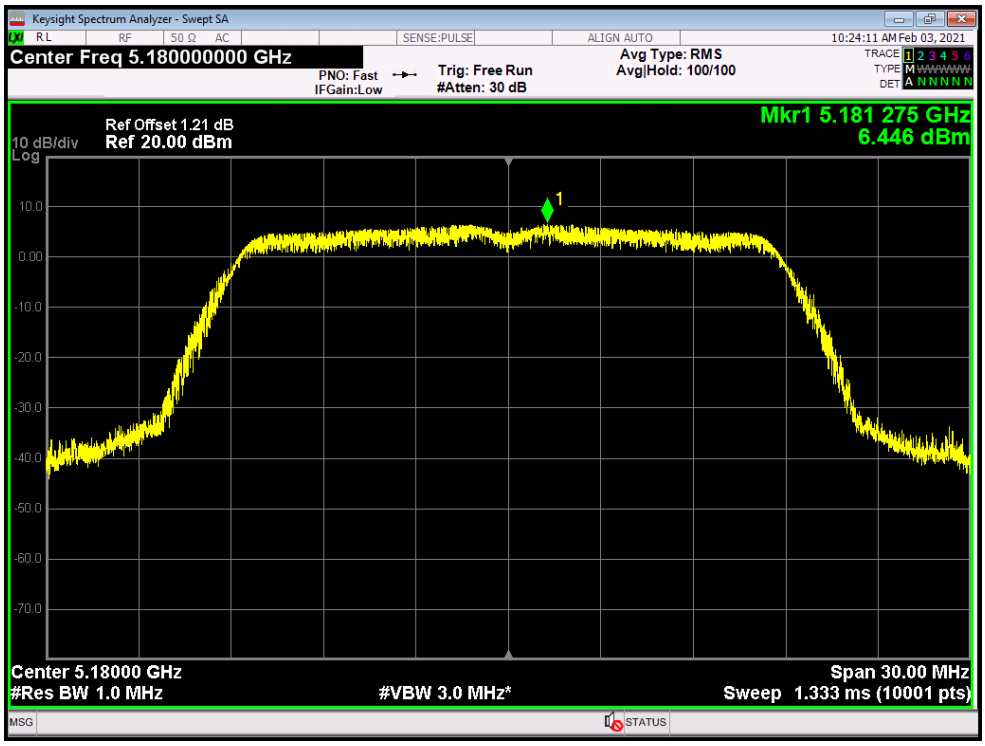
PSD NVNT ac20 5200MHz Ant1



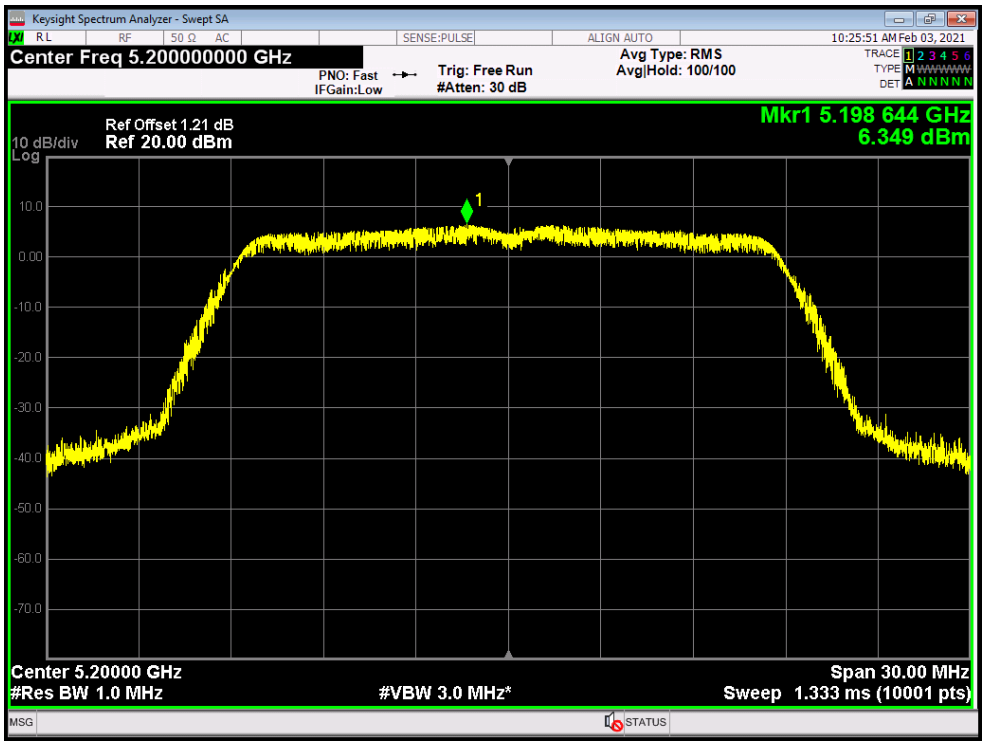
PSD NVNT ac20 5240MHz Ant1



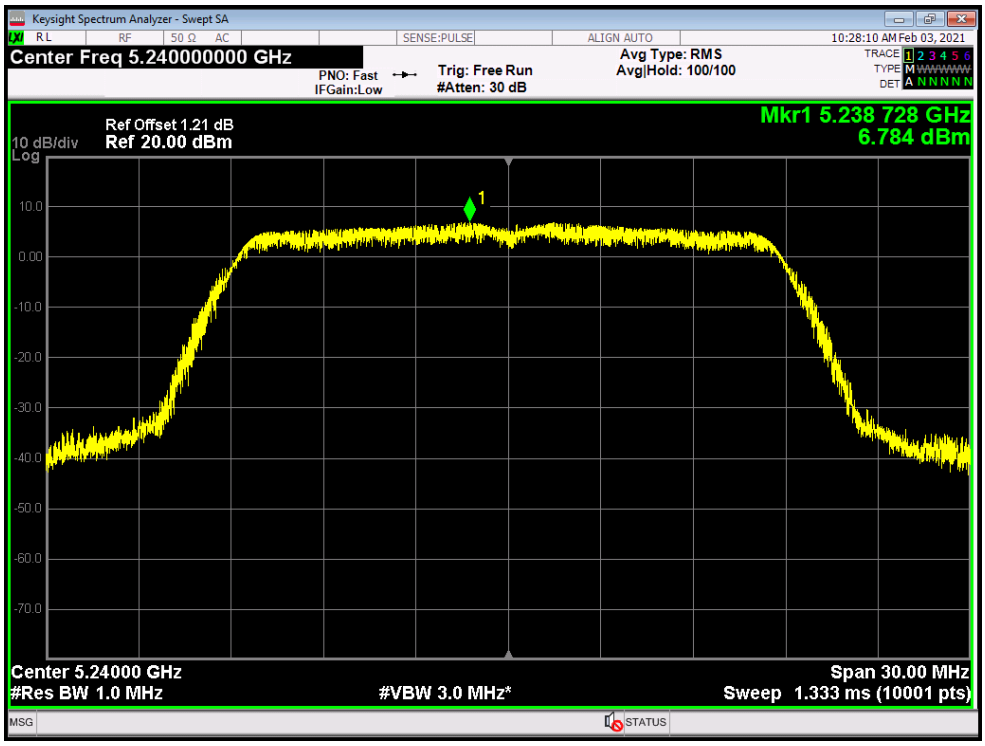
PSD NVNT ac20 5180MHz Ant2



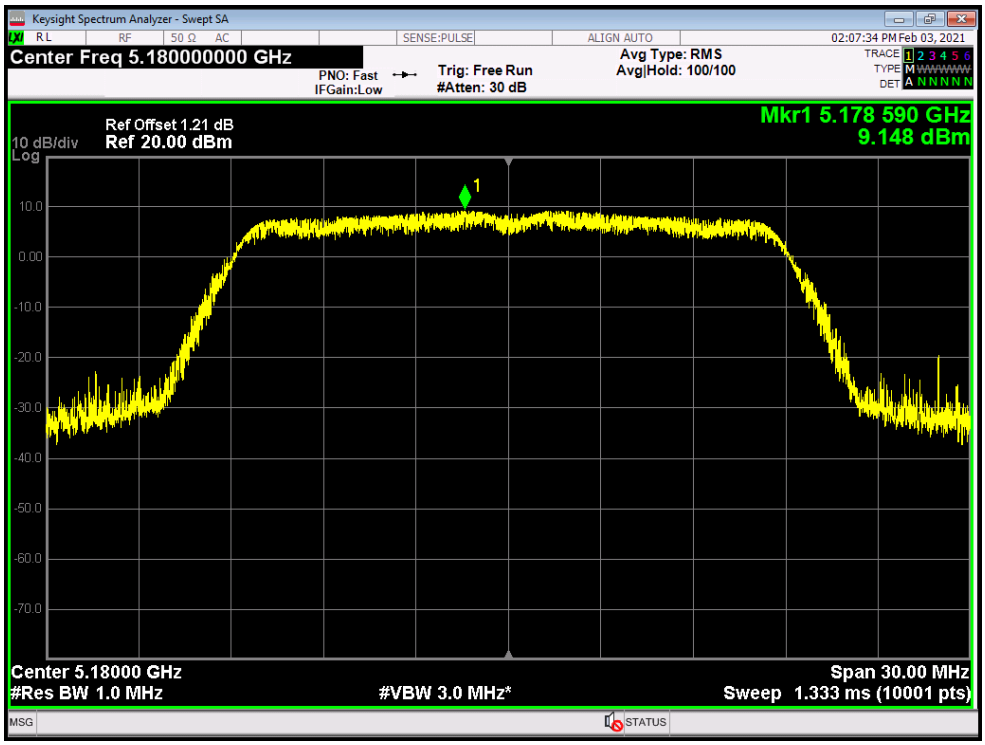
PSD NVNT ac20 5200MHz Ant2



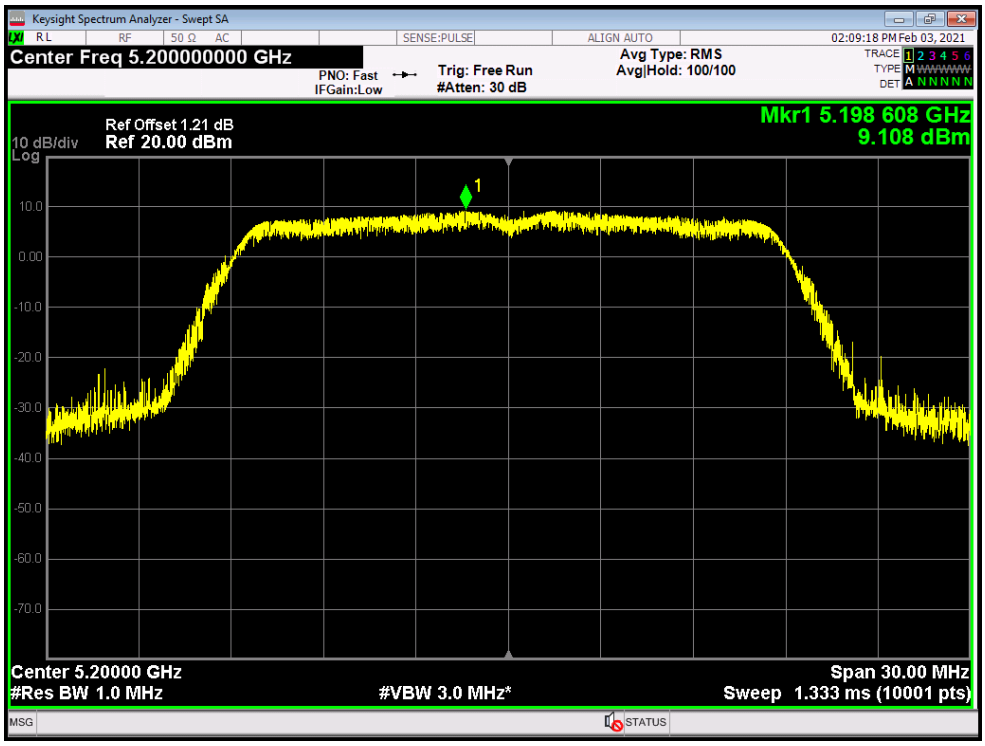
PSD NVNT ac20 5240MHz Ant2



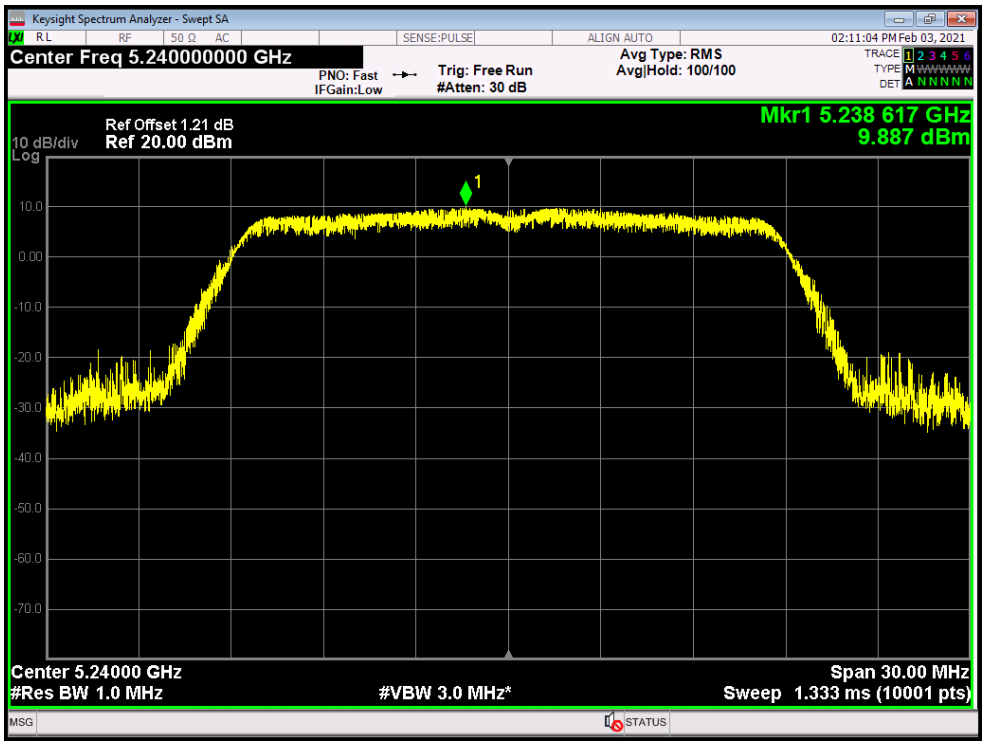
PSD NVNT ac20 5180MHz MIMO



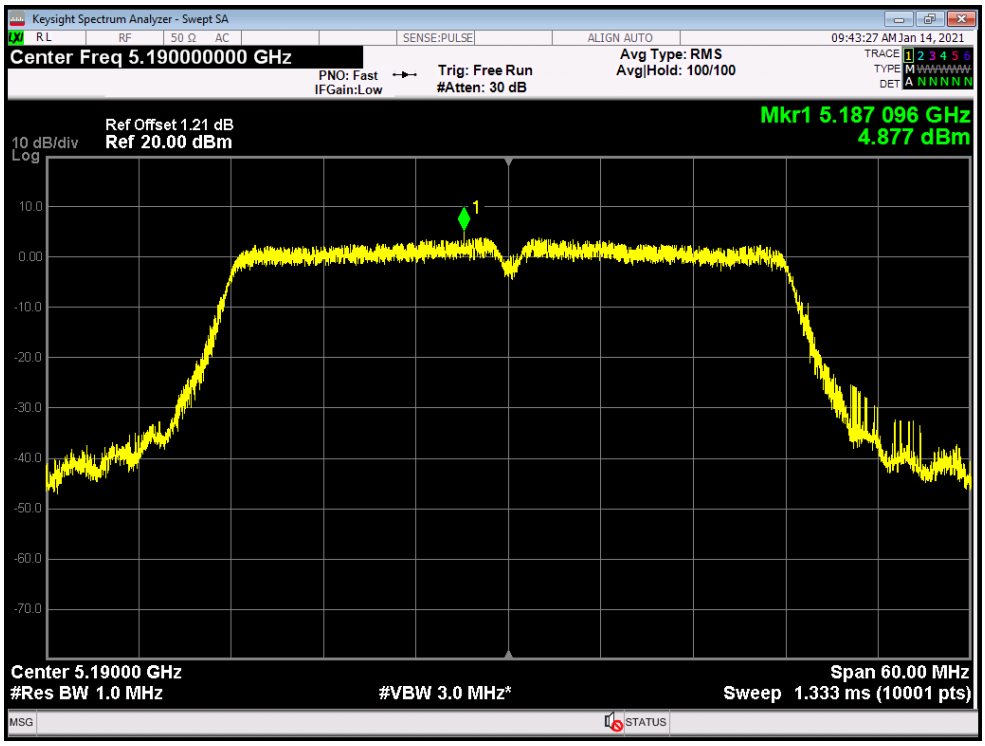
PSD NVNT ac20 5200MHz MIMO



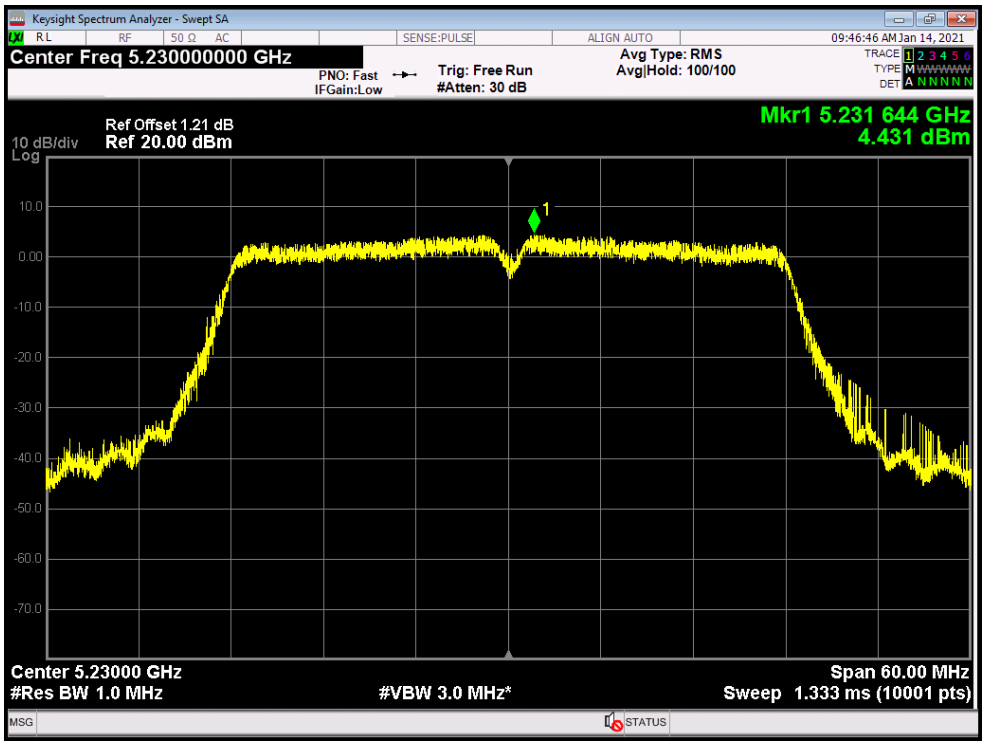
PSD NVNT ac20 5240MHz MIMO



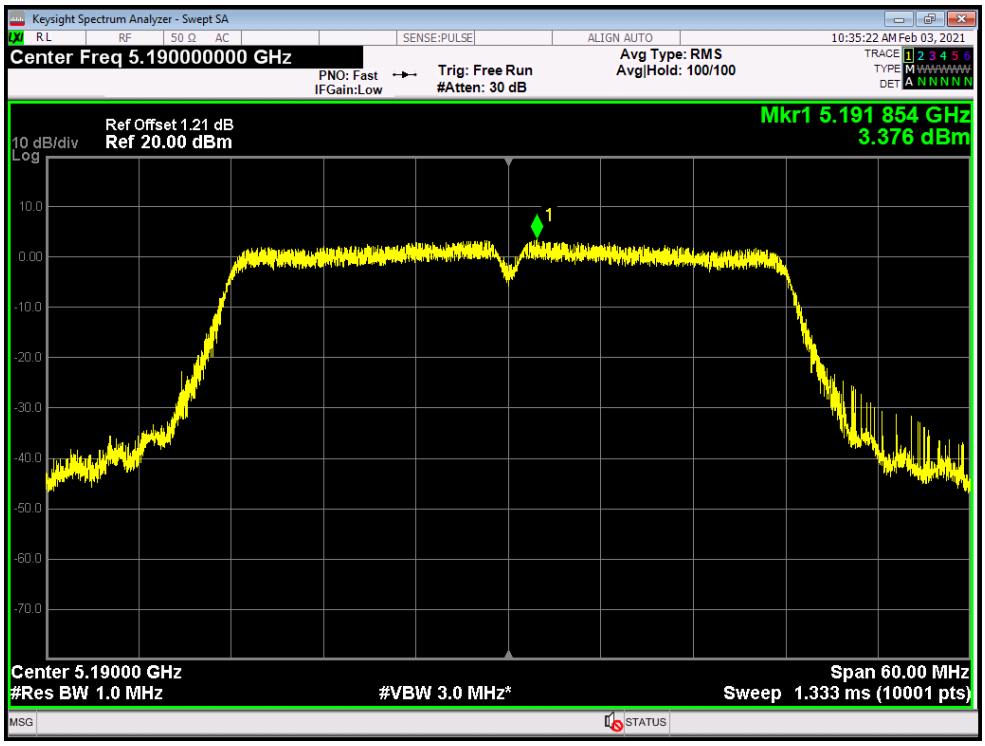
PSD NVNT ac40 5190MHz Ant1



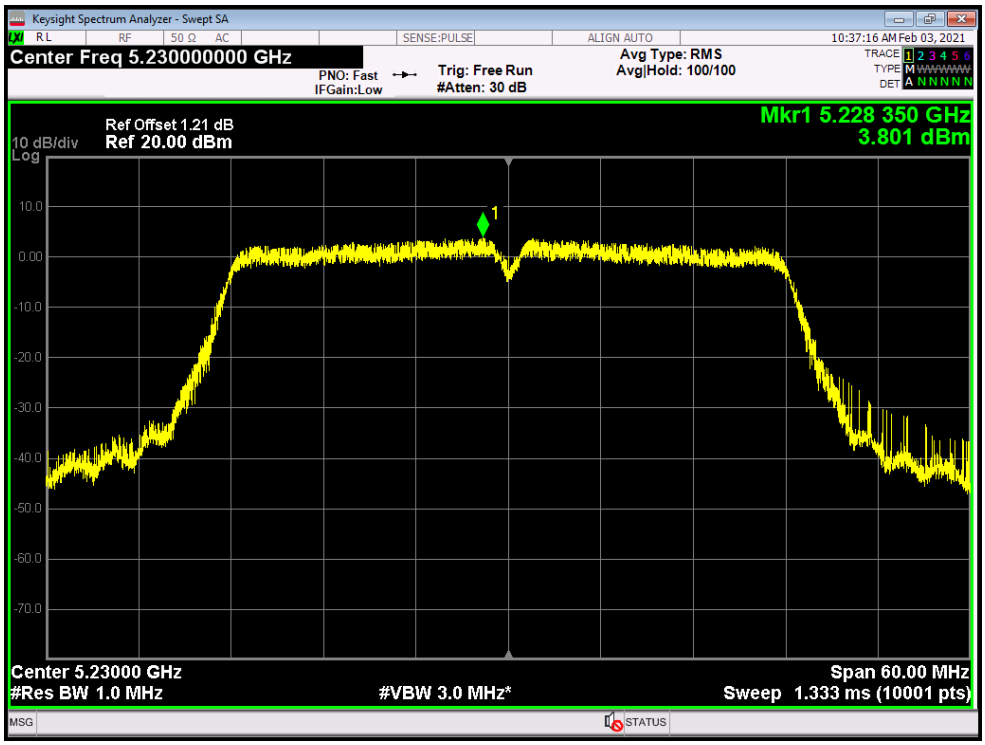
PSD NVNT ac40 5230MHz Ant1



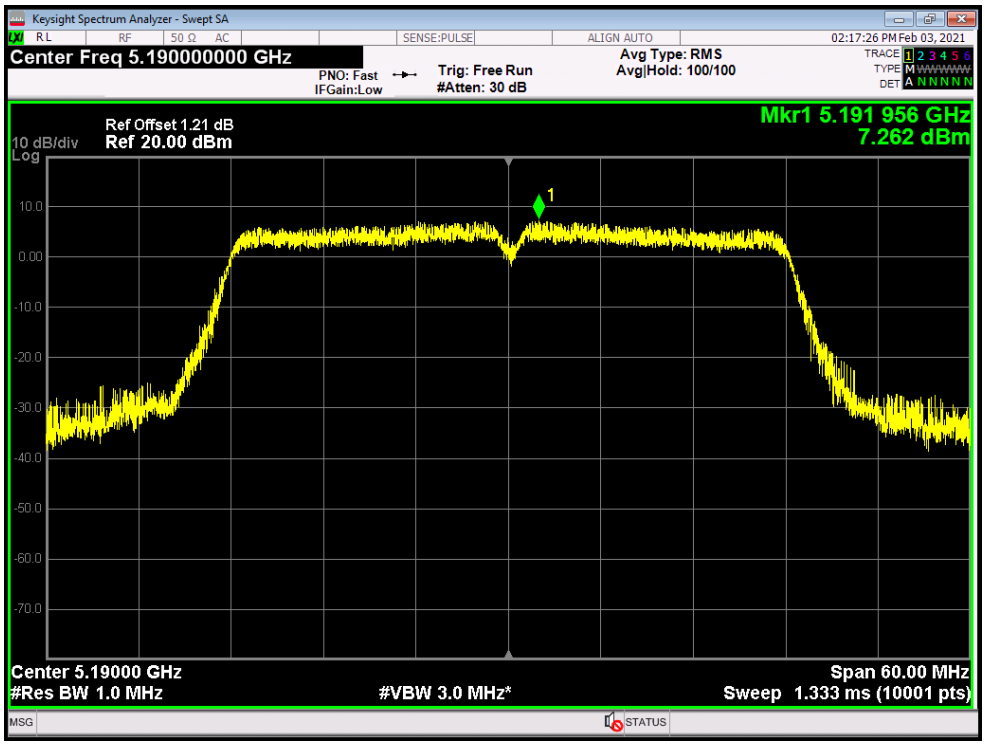
PSD NVNT ac40 5190MHz Ant2



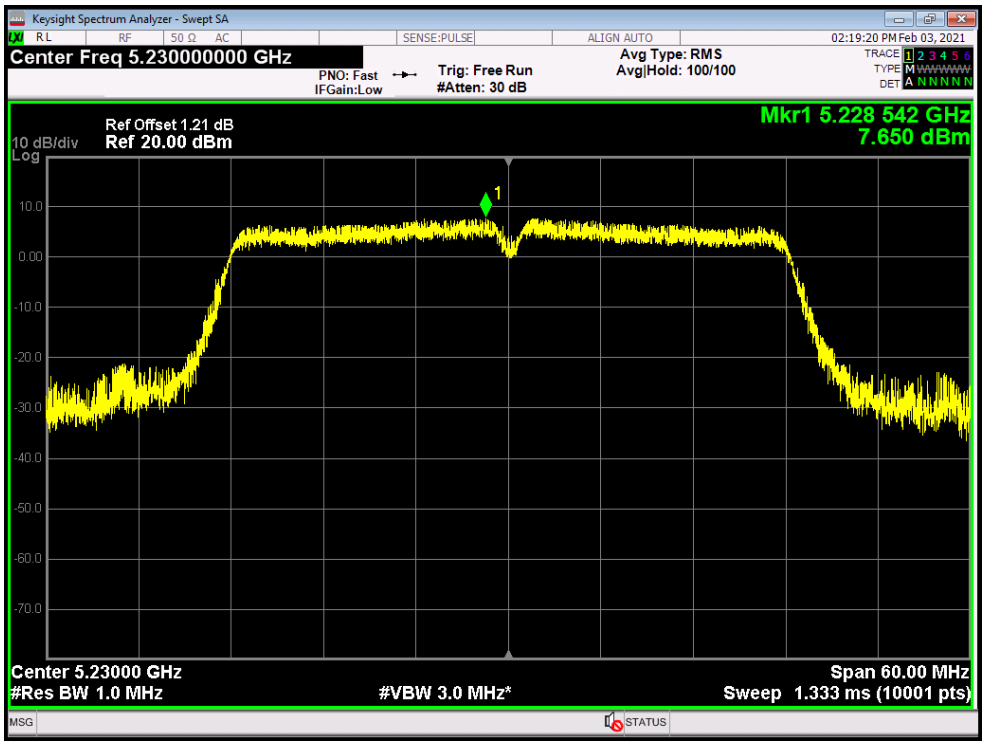
PSD NVNT ac40 5230MHz Ant2



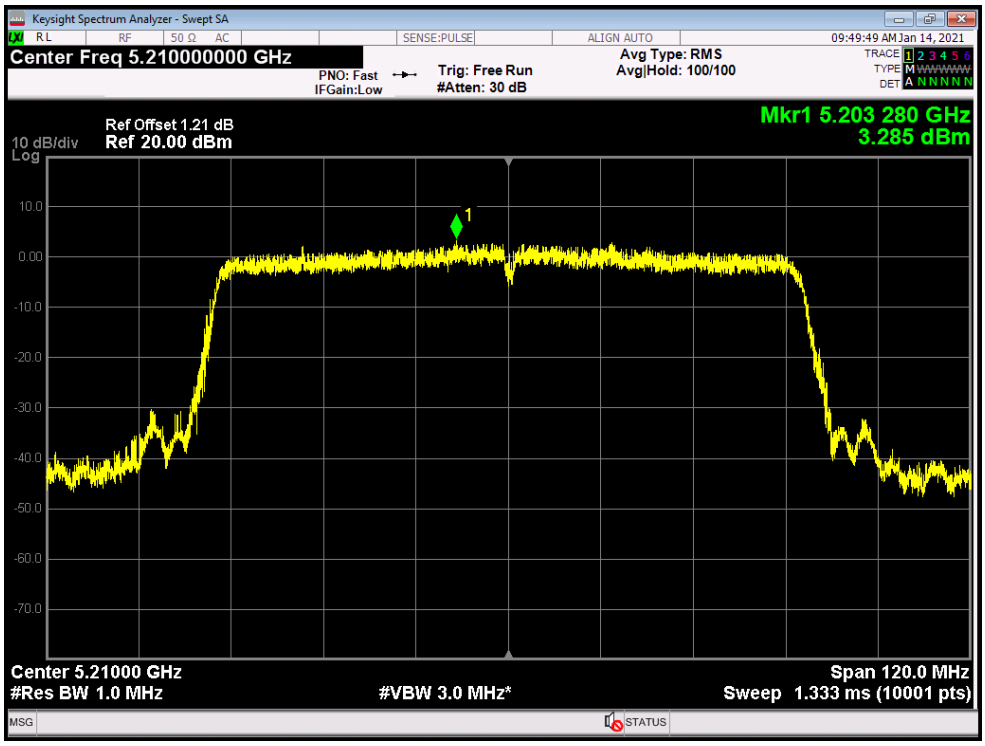
PSD NVNT ac40 5190MHz MIMO



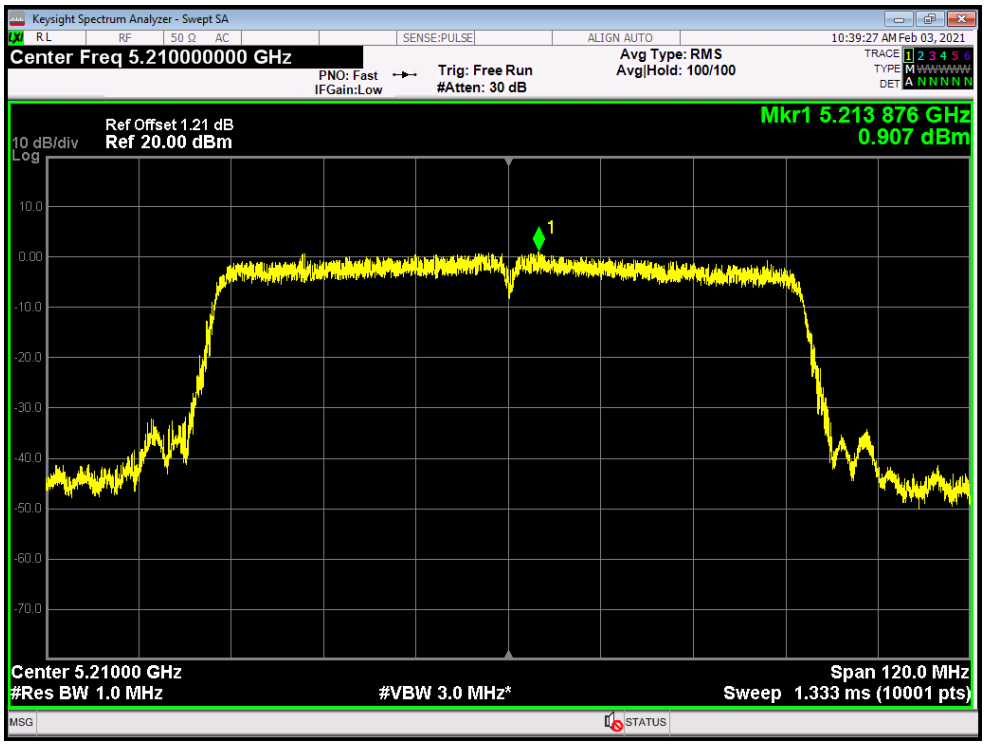
PSD NVNT ac40 5230MHz MIMO



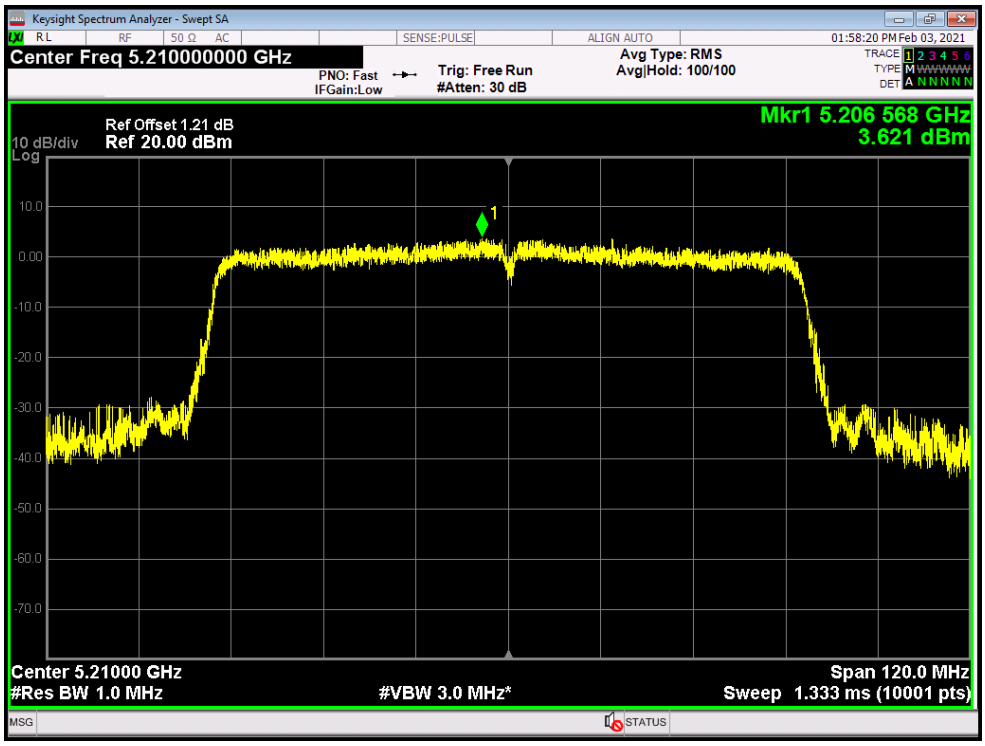
PSD NVNT ac80 5210MHz Ant1



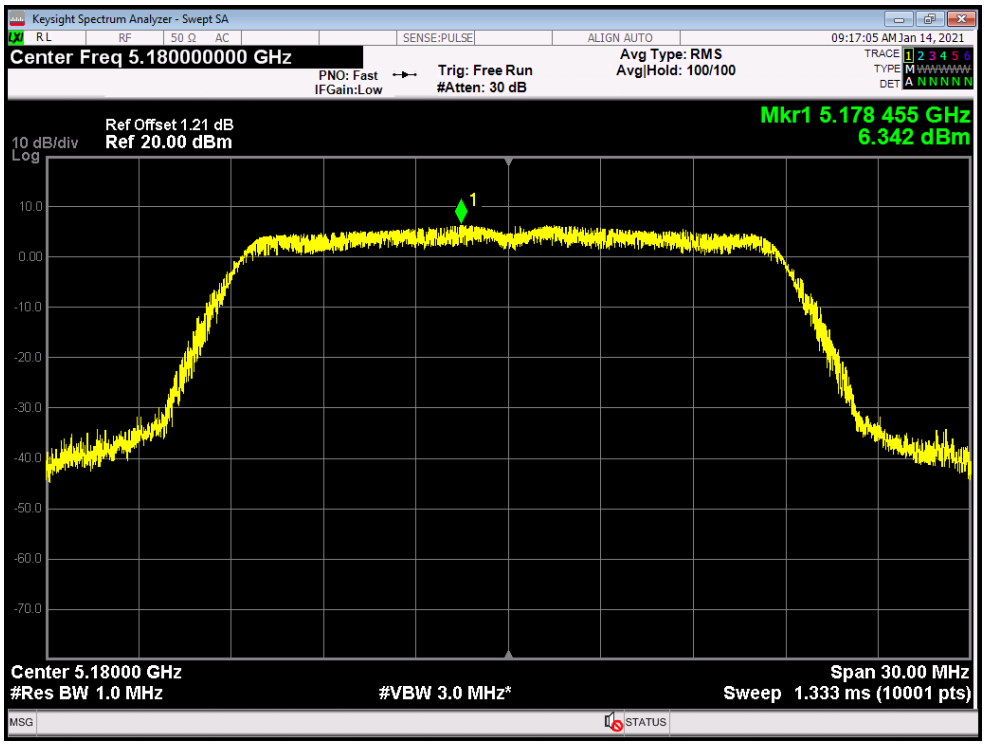
PSD NVNT ac80 5210MHz Ant2



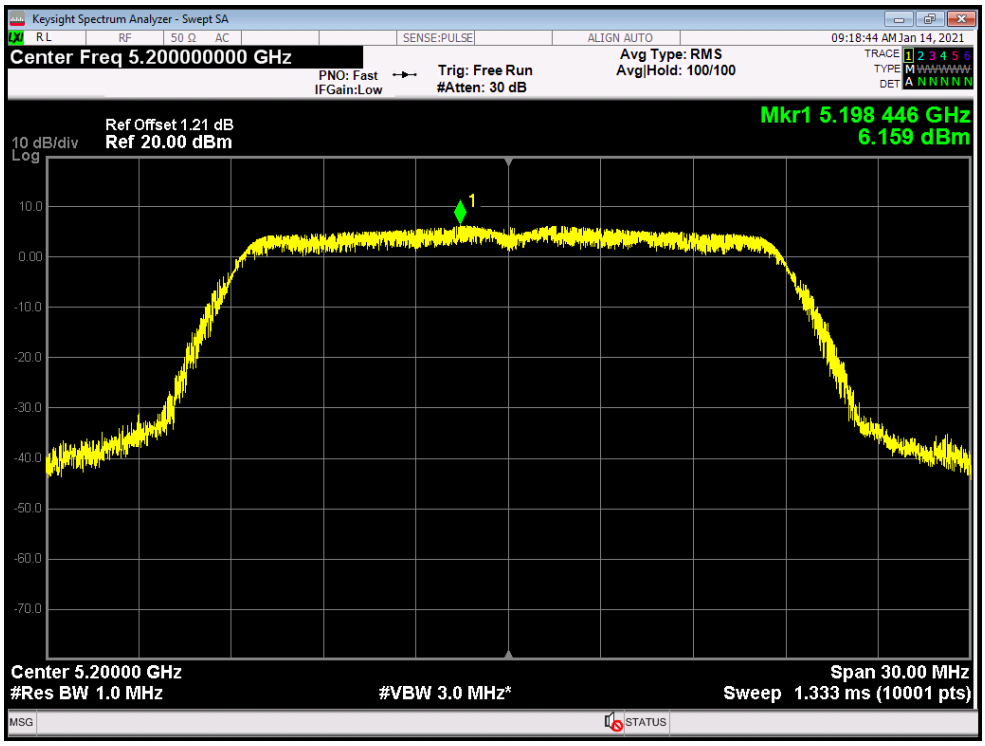
PSD NVNT ac80 5210MHz MIMO



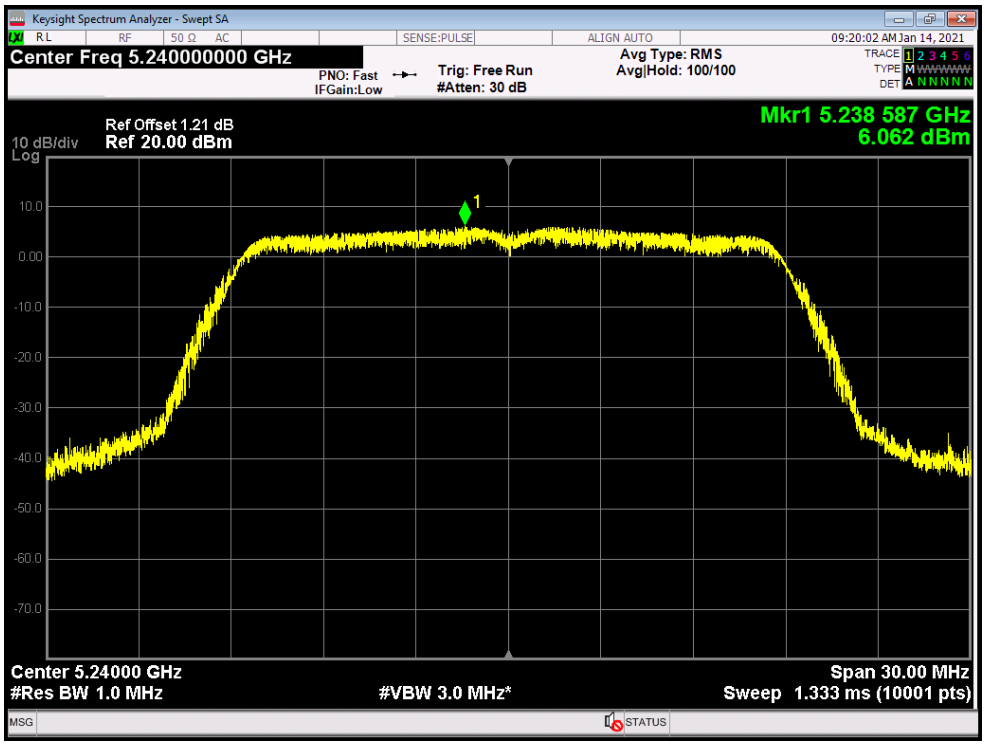
PSD NVNT n20 5180MHz Ant1



PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



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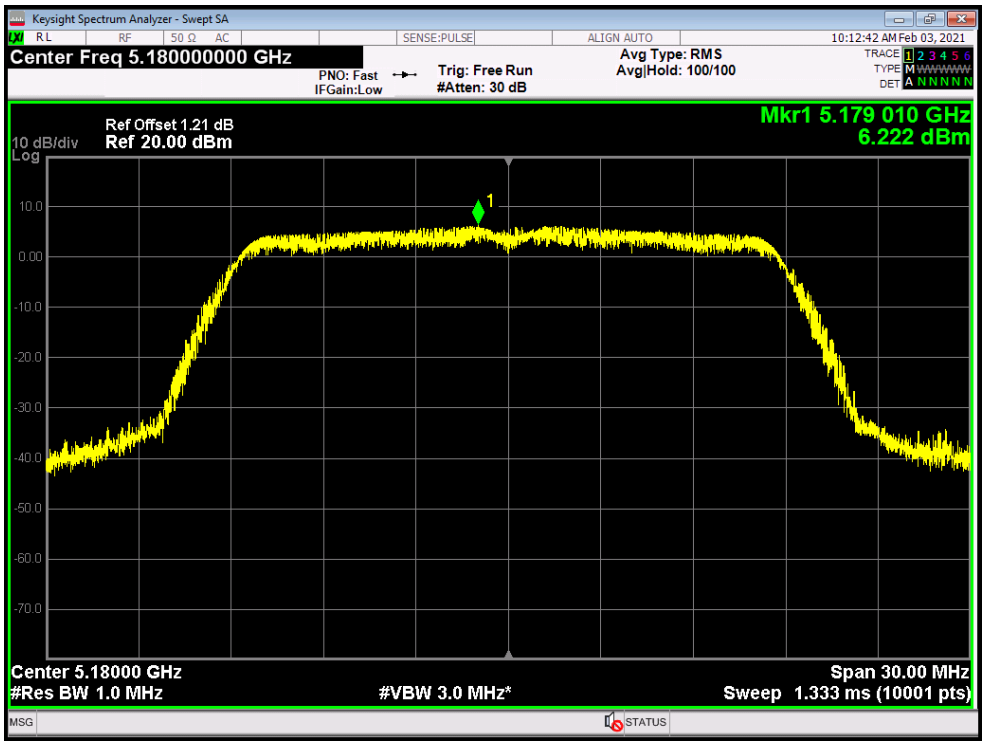
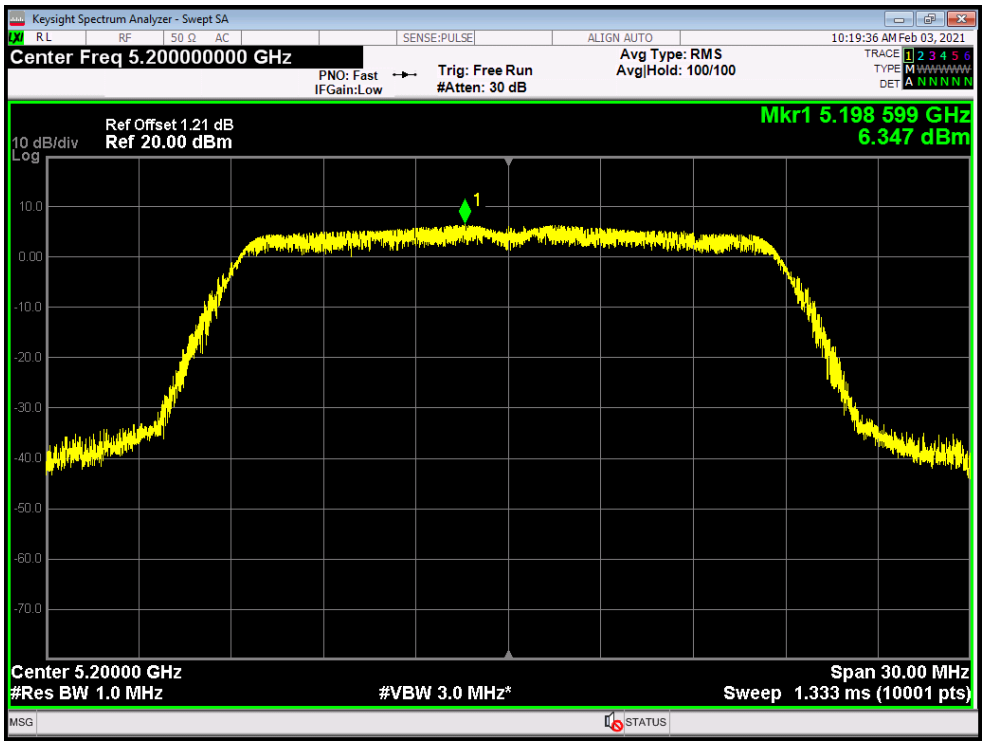
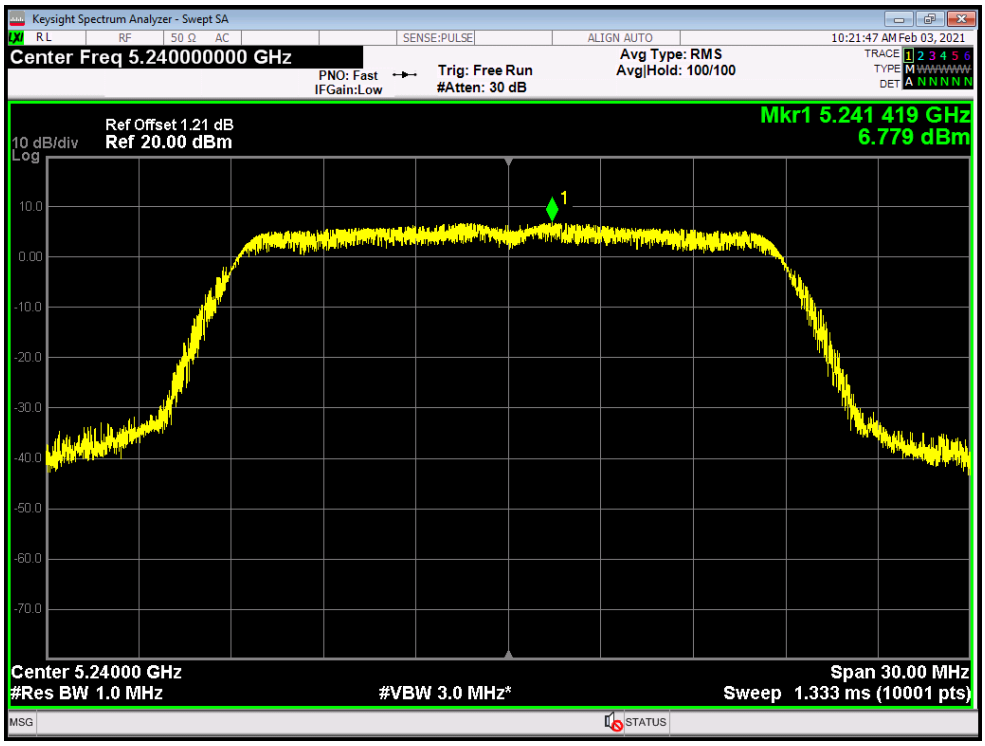


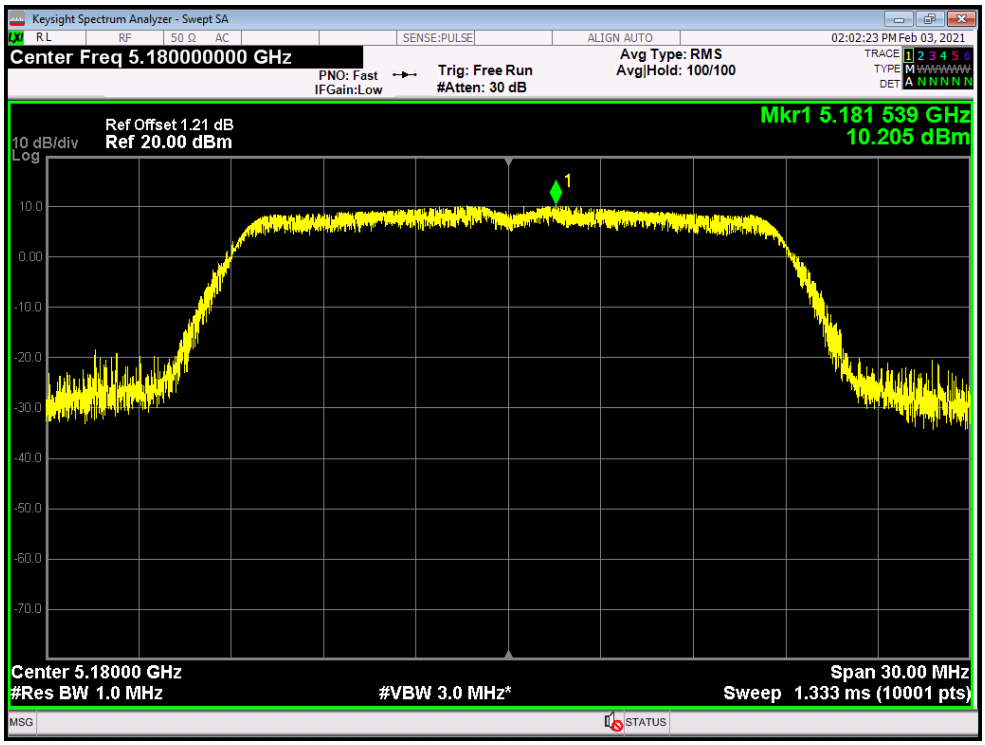
PSD NVNT n20 5200MHz Ant2



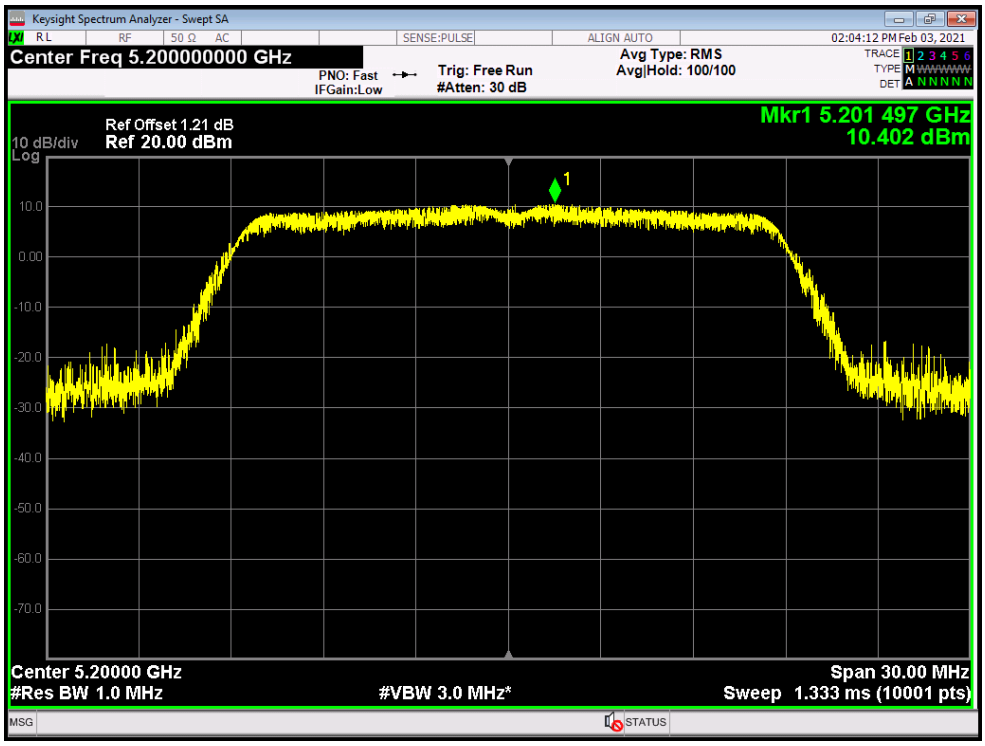
PSD NVNT n20 5240MHz Ant2



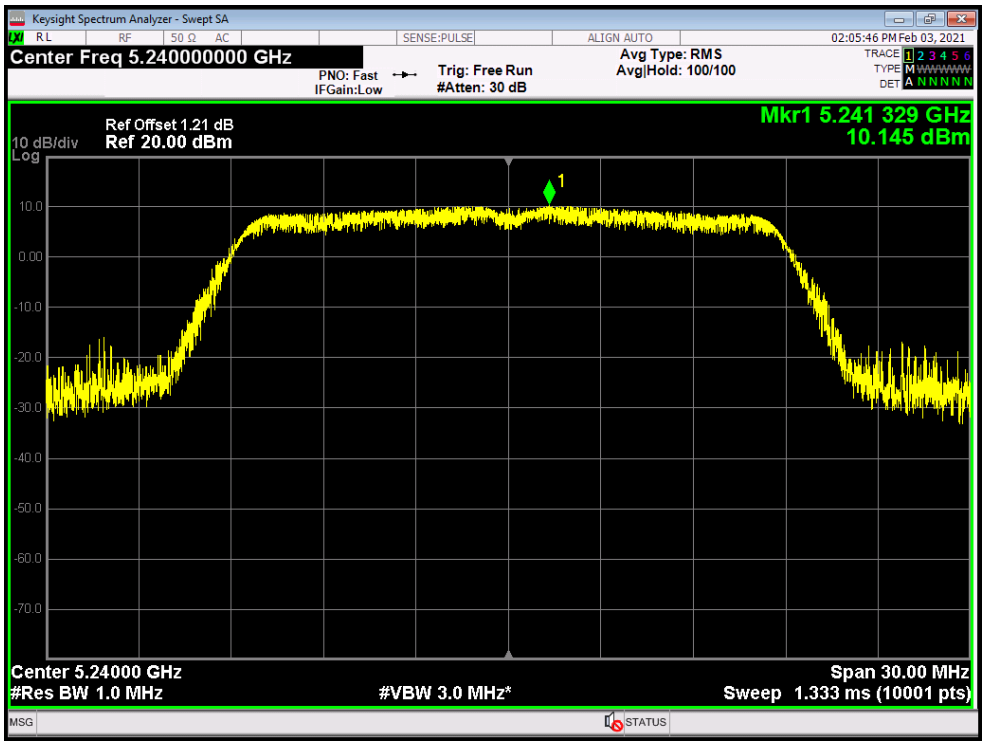
PSD NVNT n20 5180MHz MIMO



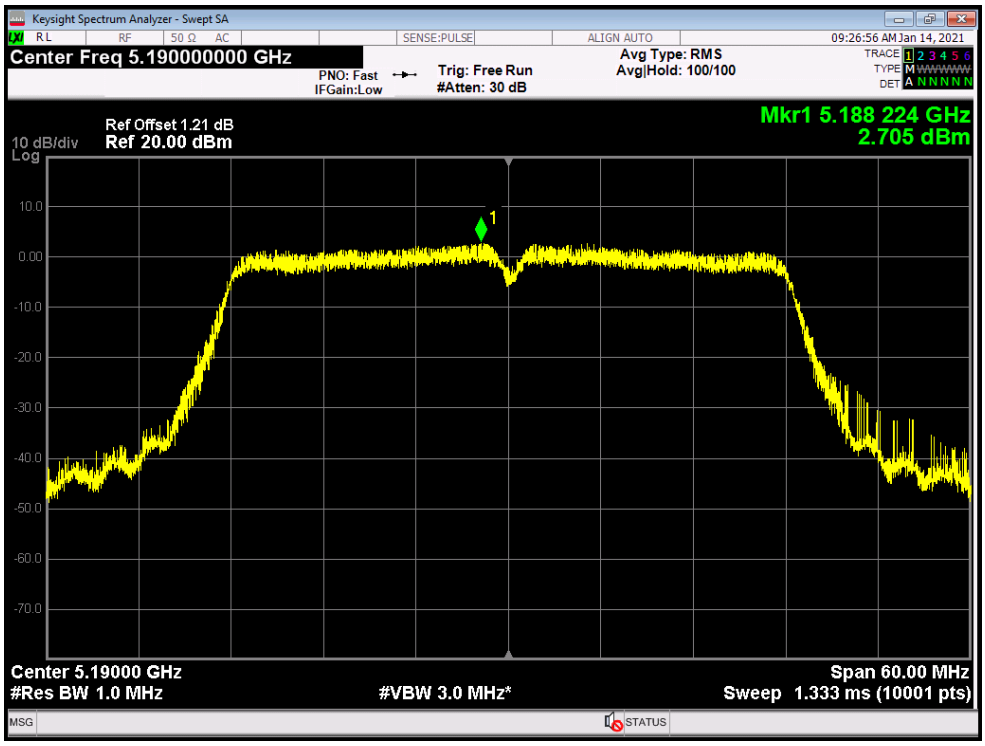
PSD NVNT n20 5200MHz MIMO



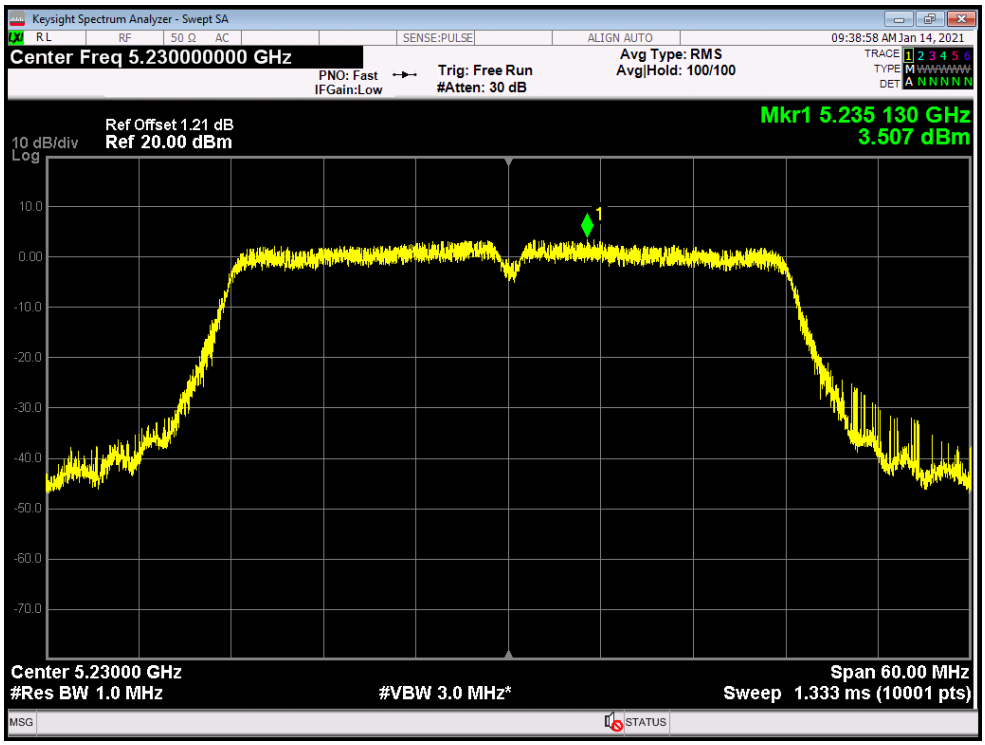
PSD NVNT n20 5240MHz MIMO



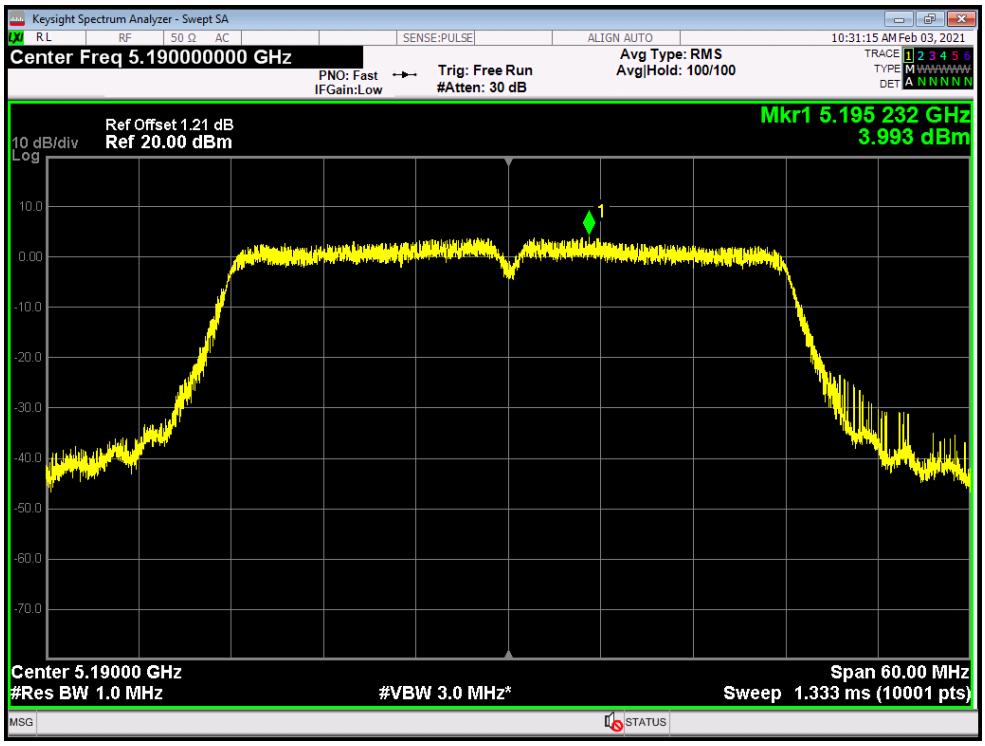
PSD NVNT n40 5190MHz Ant1



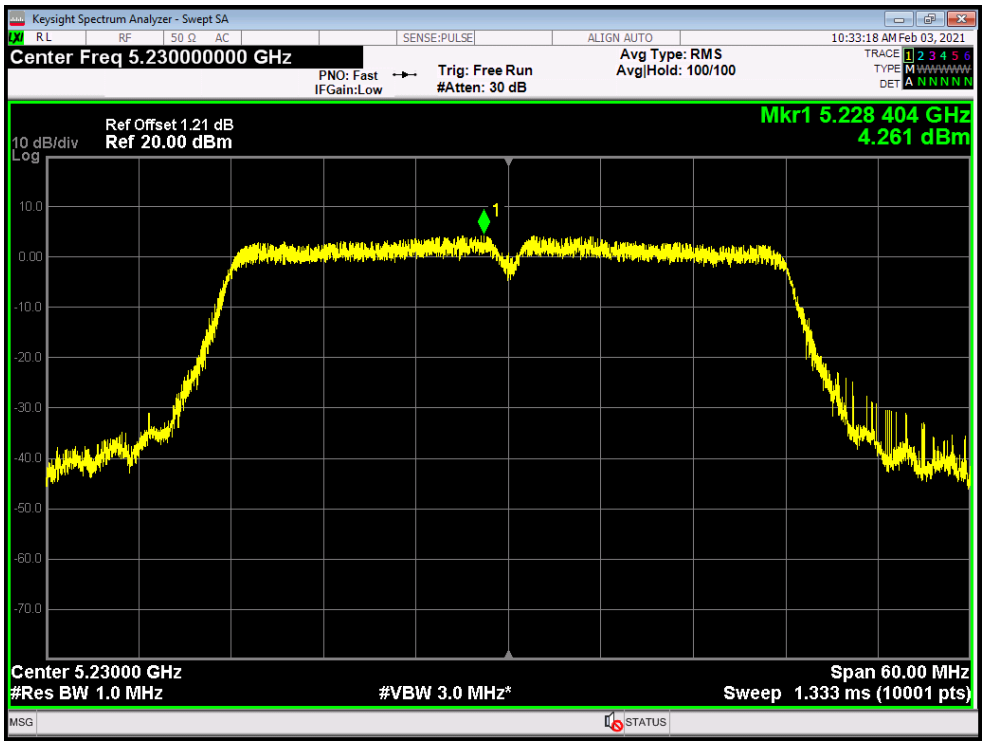
PSD NVNT n40 5230MHz Ant1



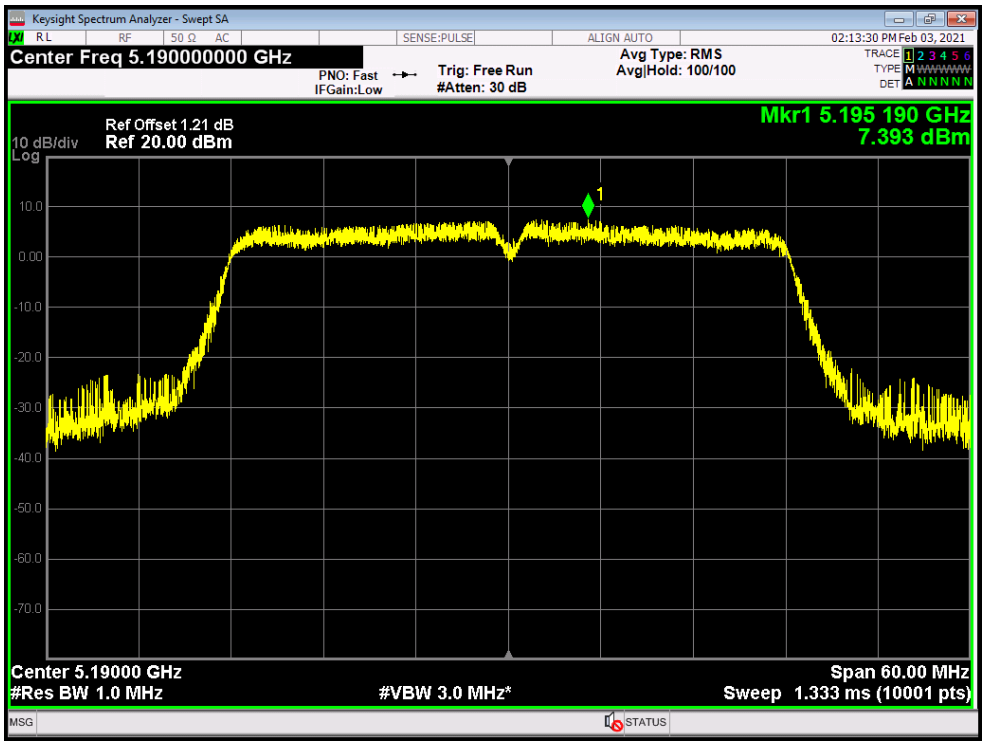
PSD NVNT n40 5190MHz Ant2



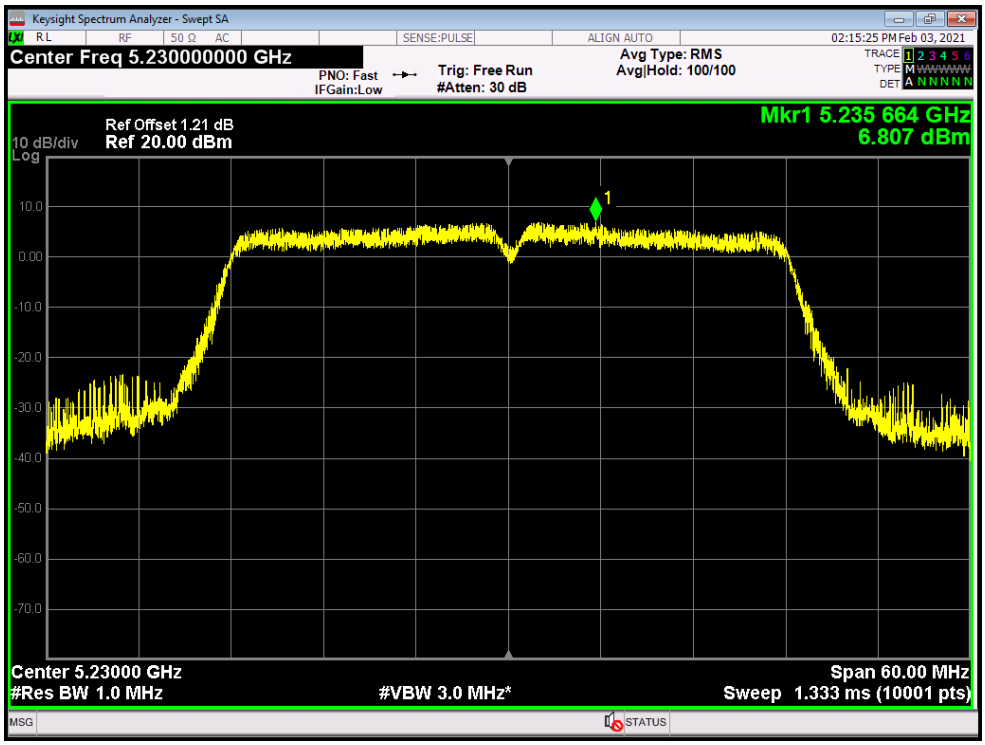
PSD NVNT n40 5230MHz Ant2



PSD NVNT n40 5190MHz MIMO



PSD NVNT n40 5230MHz MIMO



Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-44.28	-27	Pass
NVNT	a	5240	Ant1	-46.18	-27	Pass
NVNT	a	5180	Ant2	-44.92	-27	Pass
NVNT	a	5240	Ant2	-46.41	-27	Pass
NVNT	ac20	5180	Ant1	-43.32	-27	Pass
NVNT	ac20	5240	Ant1	-46.69	-27	Pass
NVNT	ac20	5180	Ant2	-44.85	-27	Pass
NVNT	ac20	5240	Ant2	-46.45	-27	Pass
NVNT	ac20	5180	MIMO	-40.03	-27	Pass
NVNT	ac20	5240	MIMO	-44.9	-27	Pass
NVNT	ac40	5190	Ant1	-41.24	-27	Pass
NVNT	ac40	5230	Ant1	-45.22	-27	Pass
NVNT	ac40	5190	Ant2	-42.54	-27	Pass
NVNT	ac40	5230	Ant2	-45.73	-27	Pass
NVNT	ac40	5190	MIMO	-29.77	-27	Pass
NVNT	ac40	5230	MIMO	-43.32	-27	Pass
NVNT	ac80	5210	Ant1	-46.9	-27	Pass
NVNT	ac80	5210	Ant1	-38.6	-27	Pass
NVNT	ac80	5210	Ant2	-46.2	-27	Pass
NVNT	ac80	5210	Ant2	-39.48	-27	Pass
NVNT	ac80	5210	MIMO	-45.84	-27	Pass
NVNT	ac80	5210	MIMO	-30.52	-27	Pass
NVNT	n20	5180	Ant1	-45.14	-27	Pass
NVNT	n20	5240	Ant1	-46.27	-27	Pass
NVNT	n20	5180	Ant2	-44.2	-27	Pass
NVNT	n20	5240	Ant2	-46.35	-27	Pass
NVNT	n20	5180	MIMO	-41.32	-27	Pass
NVNT	n20	5240	MIMO	-45.59	-27	Pass
NVNT	n40	5190	Ant1	-41.53	-27	Pass
NVNT	n40	5230	Ant1	-46.06	-27	Pass
NVNT	n40	5190	Ant2	-42.97	-27	Pass
NVNT	n40	5230	Ant2	-45.37	-27	Pass
NVNT	n40	5190	MIMO	-28.12	-27	Pass
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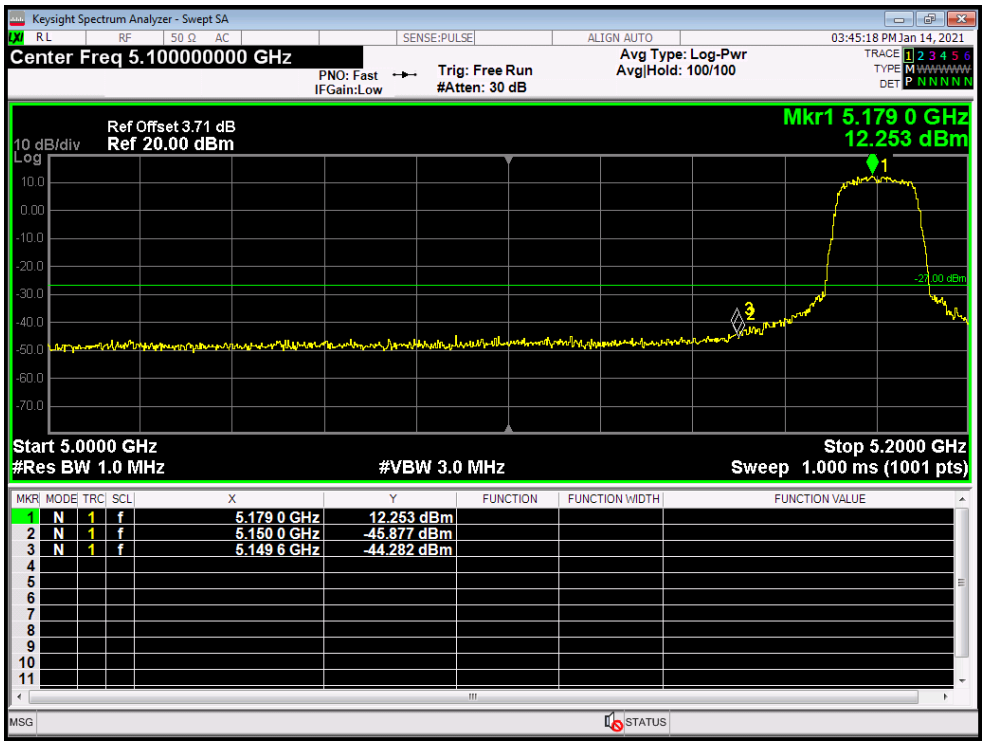
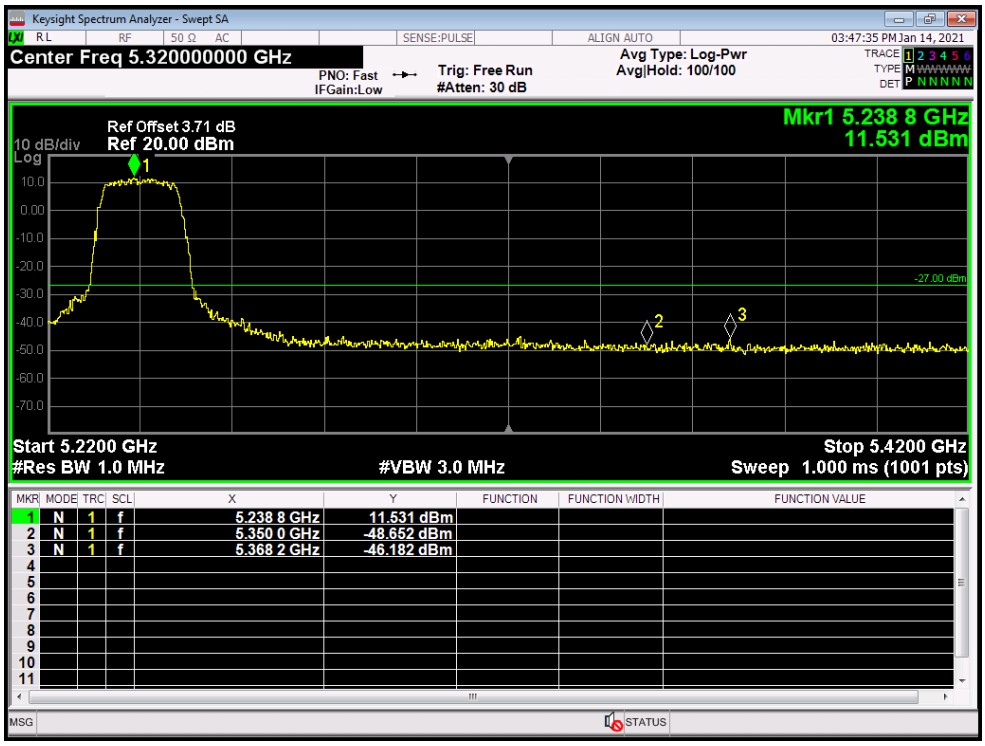
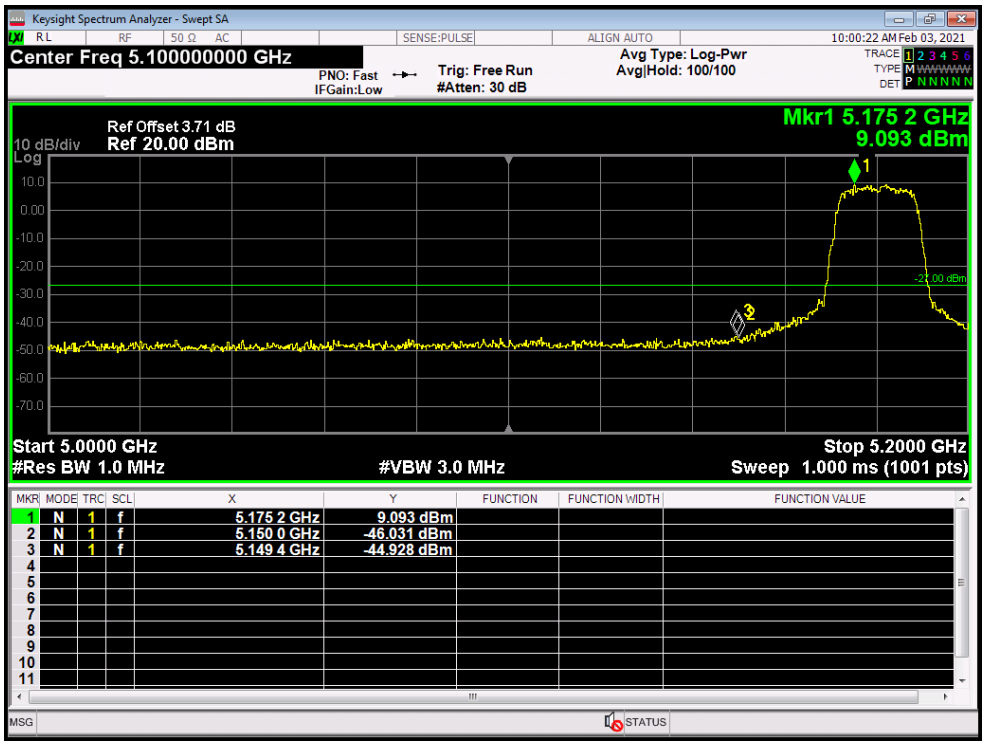
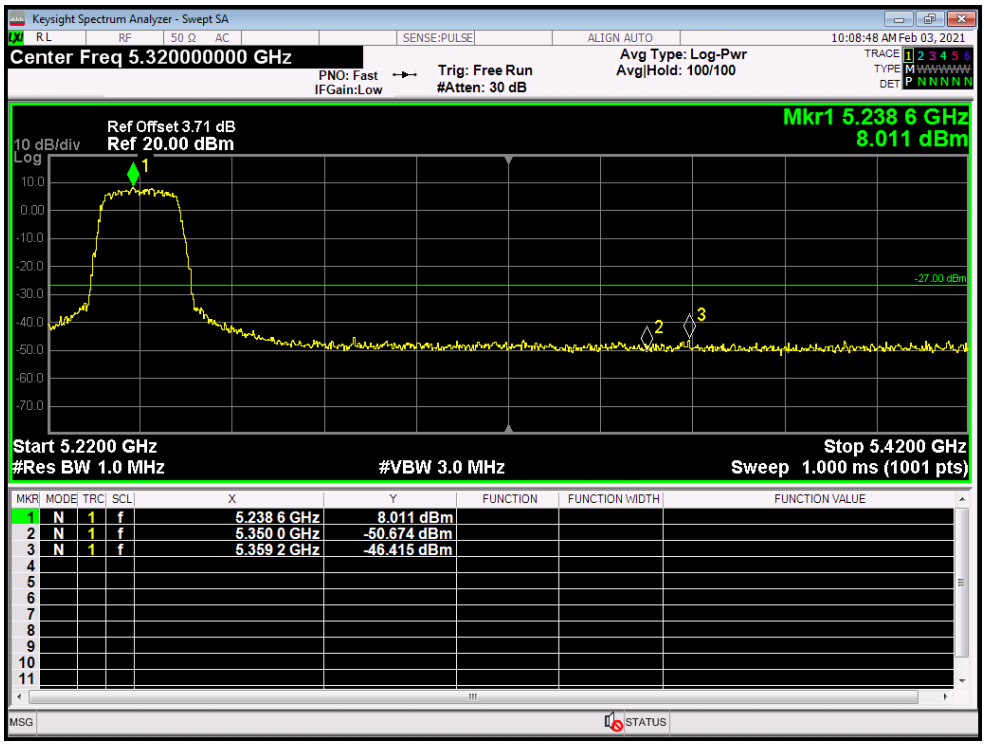
Band Edge NVNT a 5180MHz Low Ant1



Band Edge NVNT a 5240MHz High Ant1



Band Edge NVNT a 5180MHz Low Ant2



Band Edge NVNT a 5240MHz High Ant2