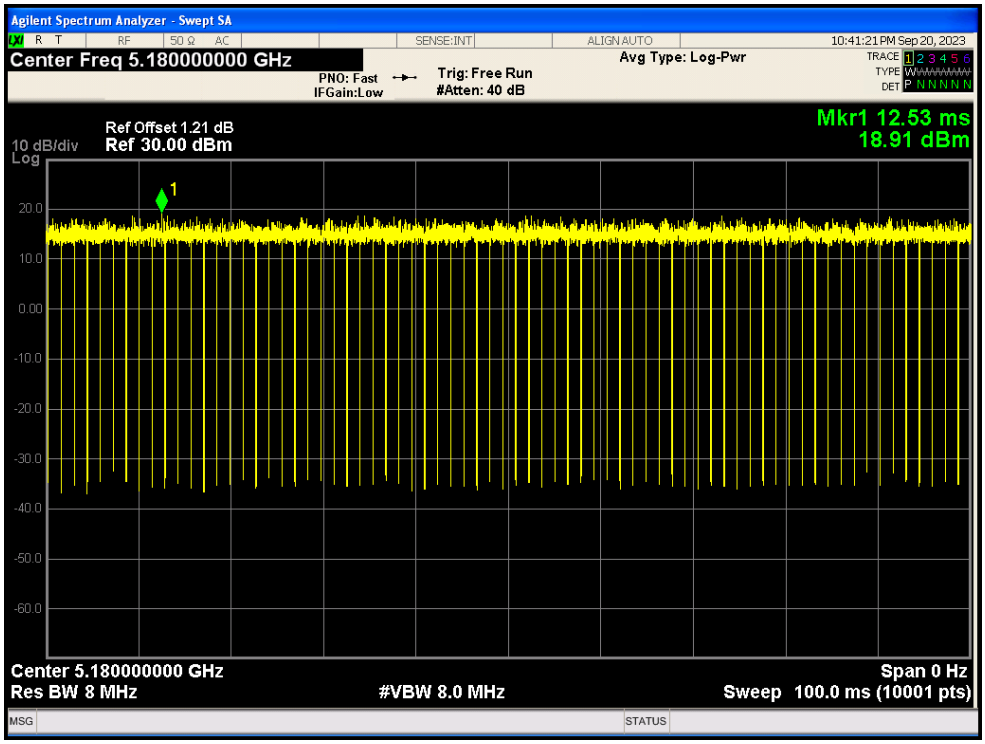
5.2G WIFI

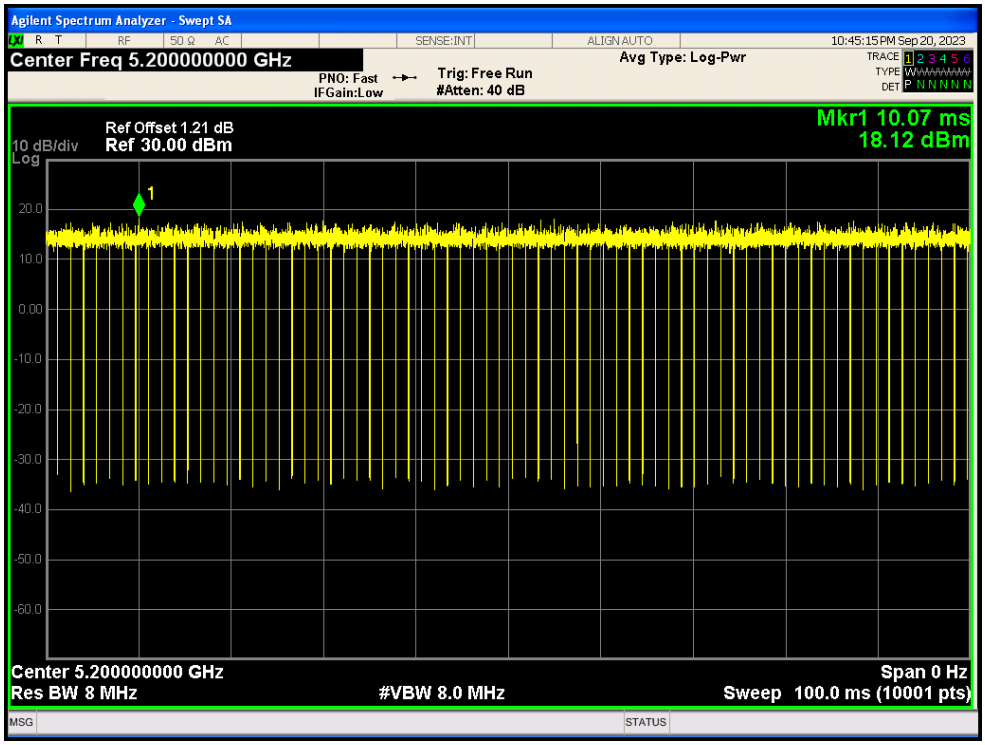
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cyc le (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	97.73	0.1
NVNT	a	5200	Ant1	97.71	0.1
NVNT	a	5240	Ant1	97.75	0.1
NVNT	a	5180	Ant2	97.73	0.1
NVNT	a	5200	Ant2	97.73	0.1
NVNT	a	5240	Ant2	97.8	0.1
NVNT	ac20	5180	Ant1	97.13	0.13
NVNT	ac20	5200	Ant1	84.59	0.73
NVNT	ac20	5240	Ant1	97.26	0.12
NVNT	ac20	5180	Ant2	97.69	0.1
NVNT	ac20	5200	Ant2	97.69	0.1
NVNT	ac20	5240	Ant2	97.7	0.1
NVNT	ac40	5190	Ant1	94.83	0.23
NVNT	ac40	5230	Ant1	95.29	0.21
NVNT	ac40	5190	Ant2	95.29	0.21
NVNT	ac40	5230	Ant2	95.33	0.21
NVNT	ac80	5210	Ant1	91.7	0.38
NVNT	ac80	5210	Ant2	91.75	0.37
NVNT	n20	5180	Ant1	97.66	0.1
NVNT	n20	5200	Ant1	97.64	0.1
NVNT	n20	5240	Ant1	97.68	0.1
NVNT	n20	5180	Ant2	97.66	0.1
NVNT	n20	5200	Ant2	97.62	0.1
NVNT	n20	5240	Ant2	97.63	0.1
NVNT	n40	5190	Ant1	94.8	0.23
NVNT	n40	5230	Ant1	95.34	0.21
NVNT	n40	5190	Ant2	95.46	0.2
NVNT	n40	5230	Ant2	95.34	0.21

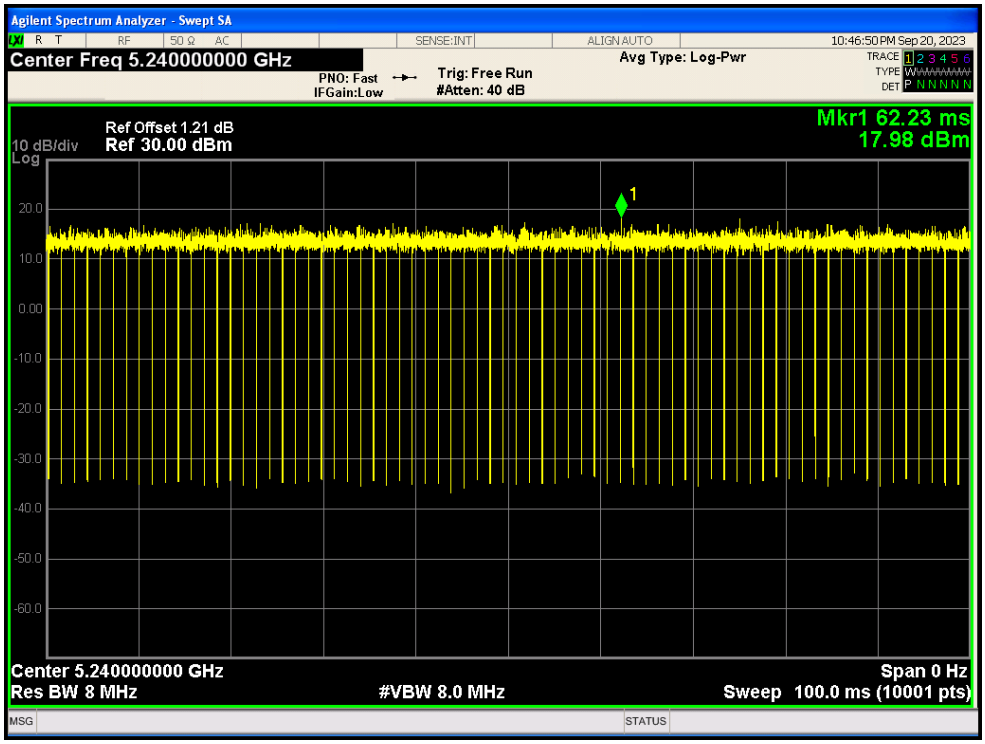
Duty Cycle NVNT a 5180MHz Ant1



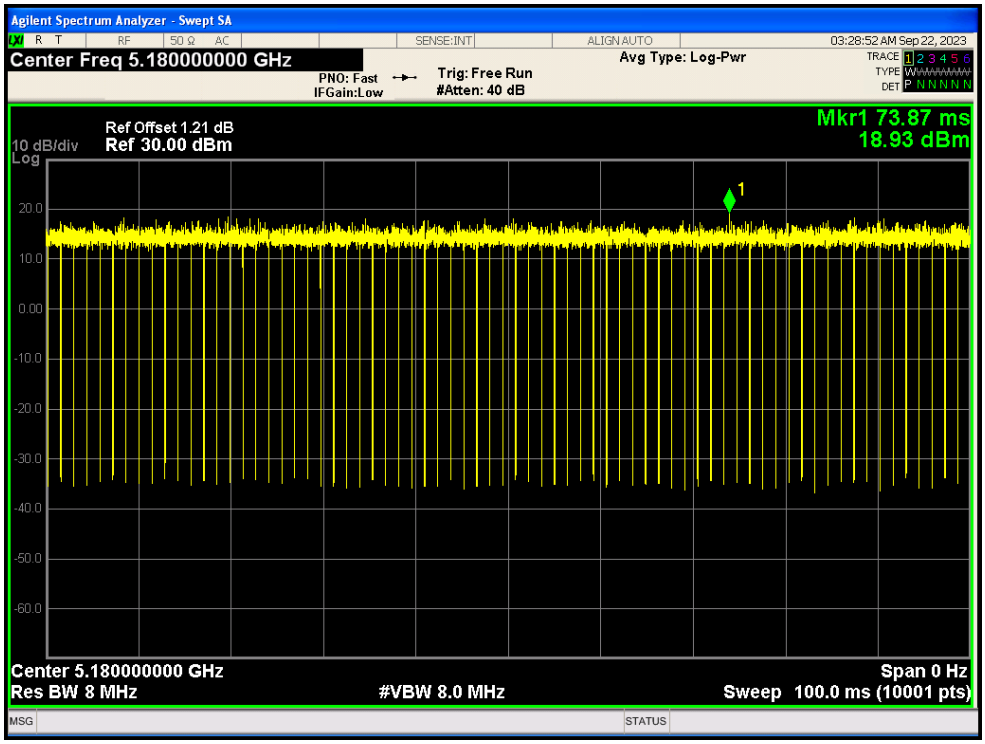
Duty Cycle NVNT a 5200MHz Ant1



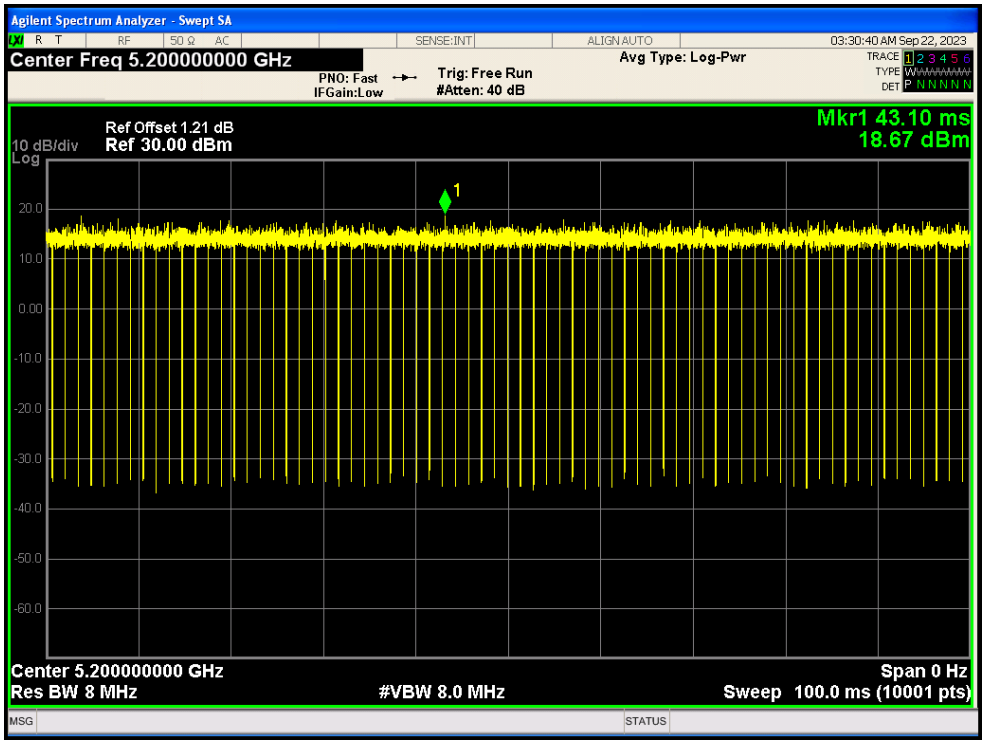
Duty Cycle NVNT a 5240MHz Ant1



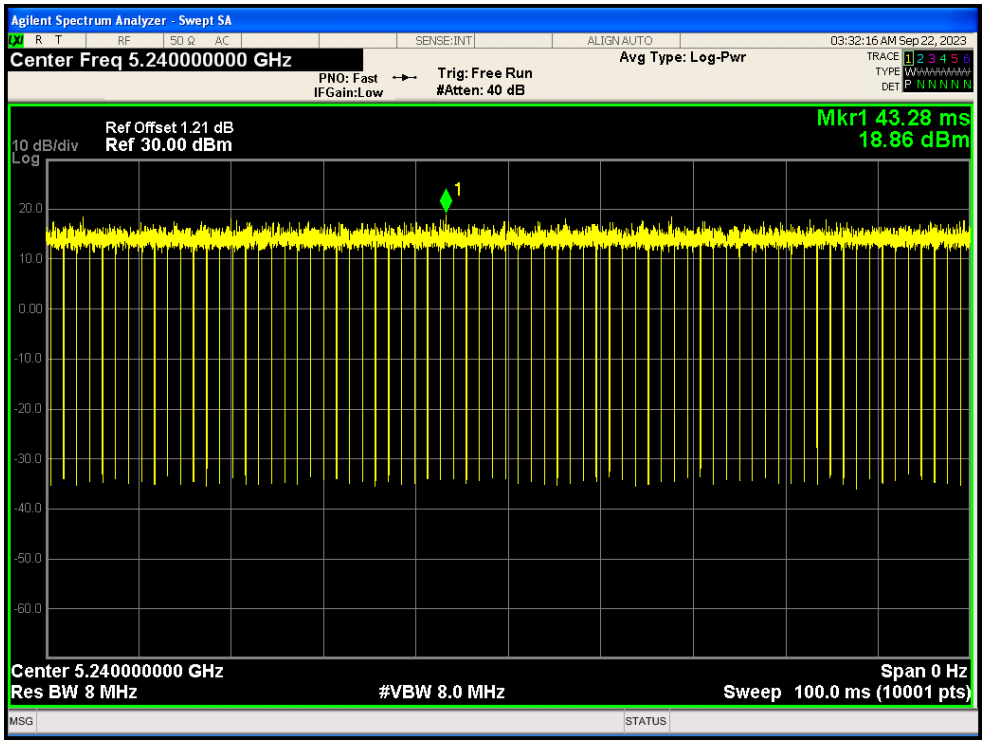
Duty Cycle NVNT a 5180MHz Ant2



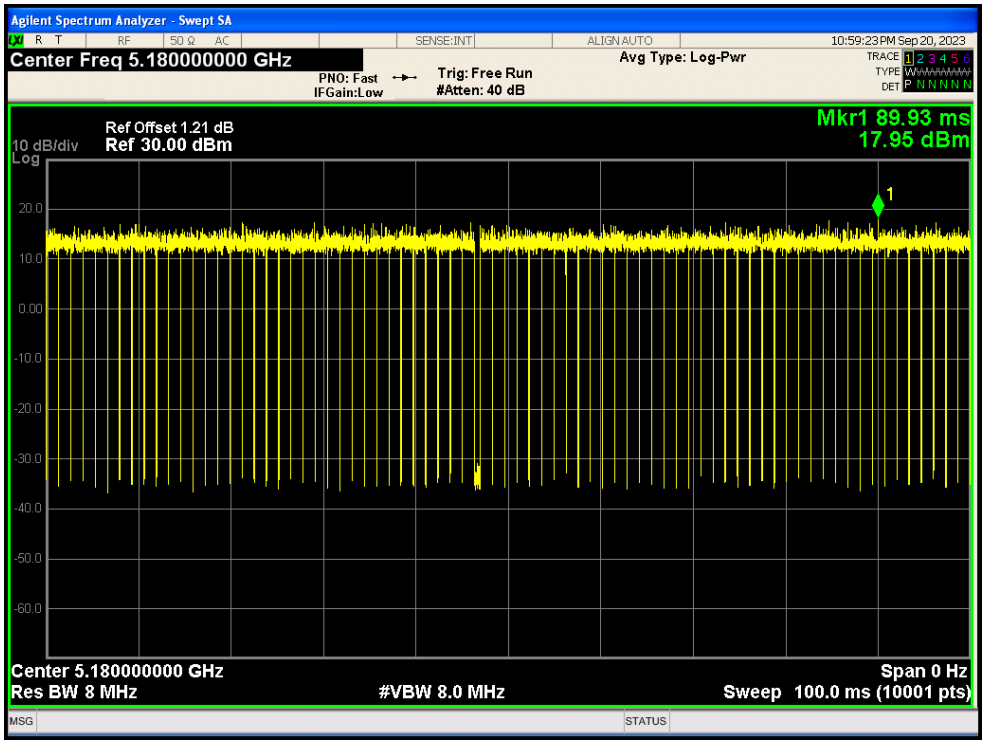
Duty Cycle NVNT a 5200MHz Ant2



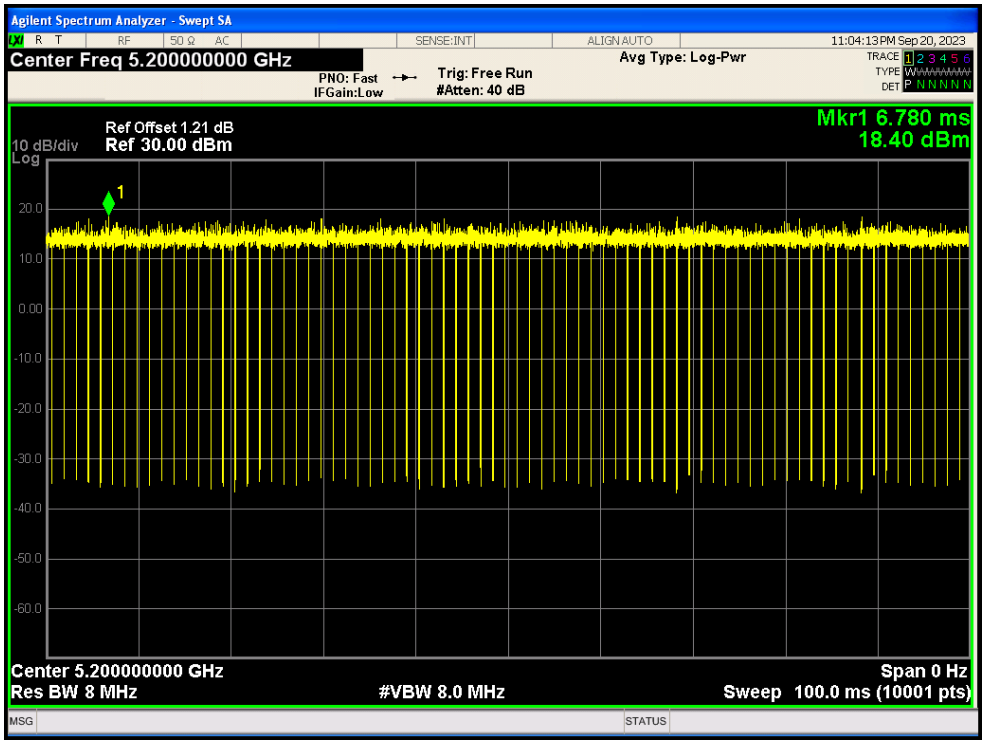
Duty Cycle NVNT a 5240MHz Ant2



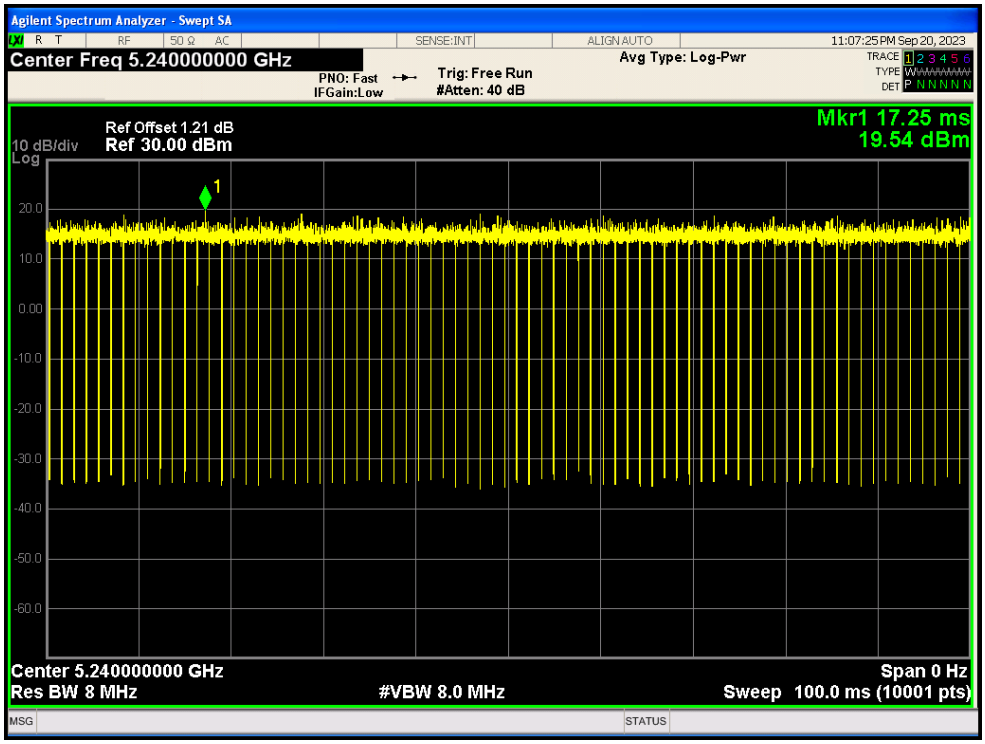
Duty Cycle NVNT ac20 5180MHz Ant1



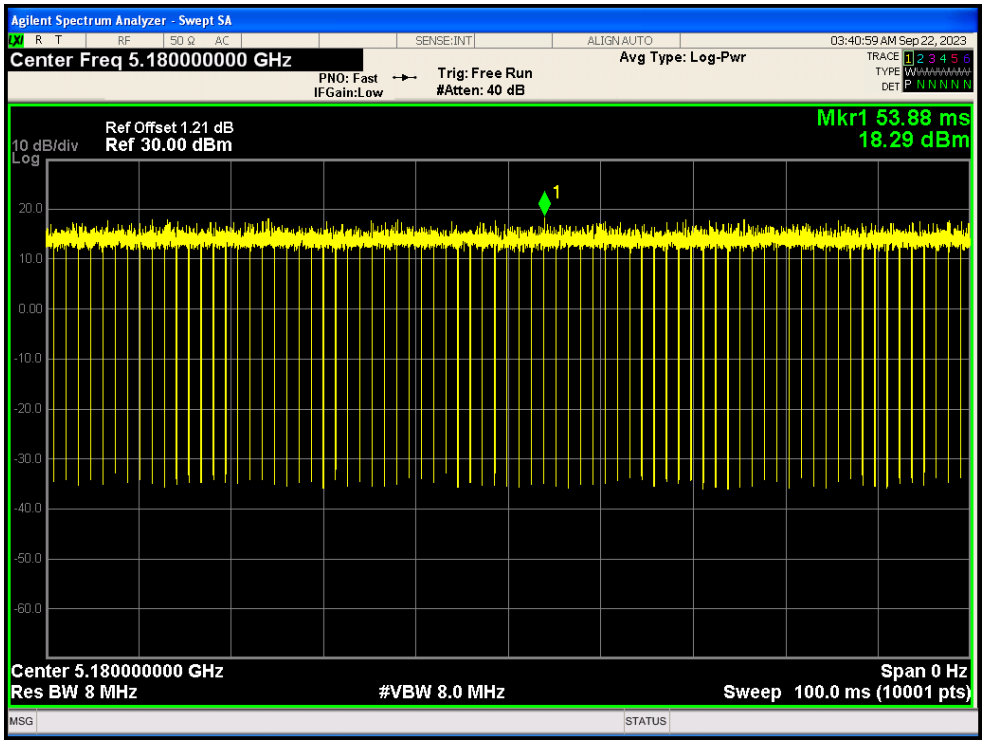
Duty Cycle NVNT ac20 5200MHz Ant1



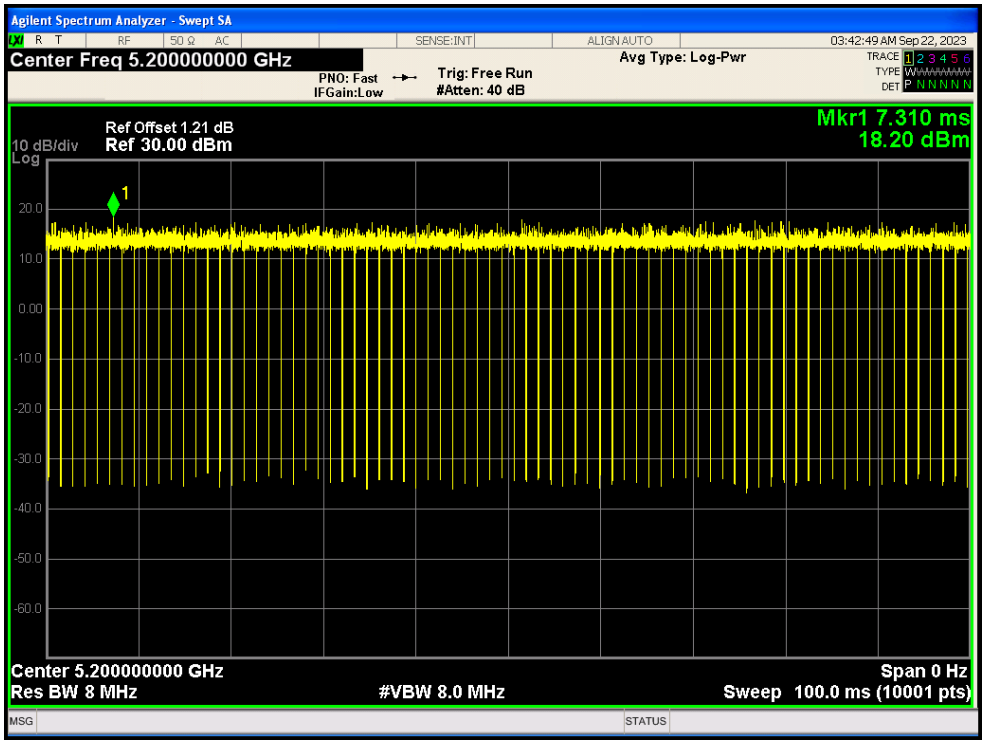
Duty Cycle NVNT ac20 5240MHz Ant1



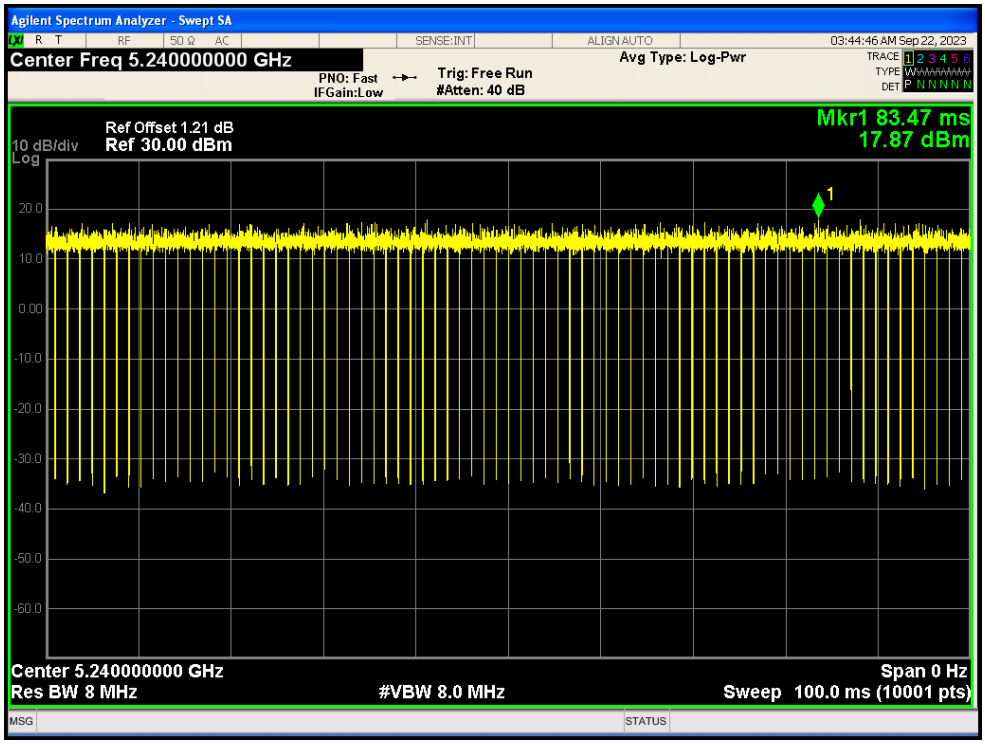
Duty Cycle NVNT ac20 5180MHz Ant2



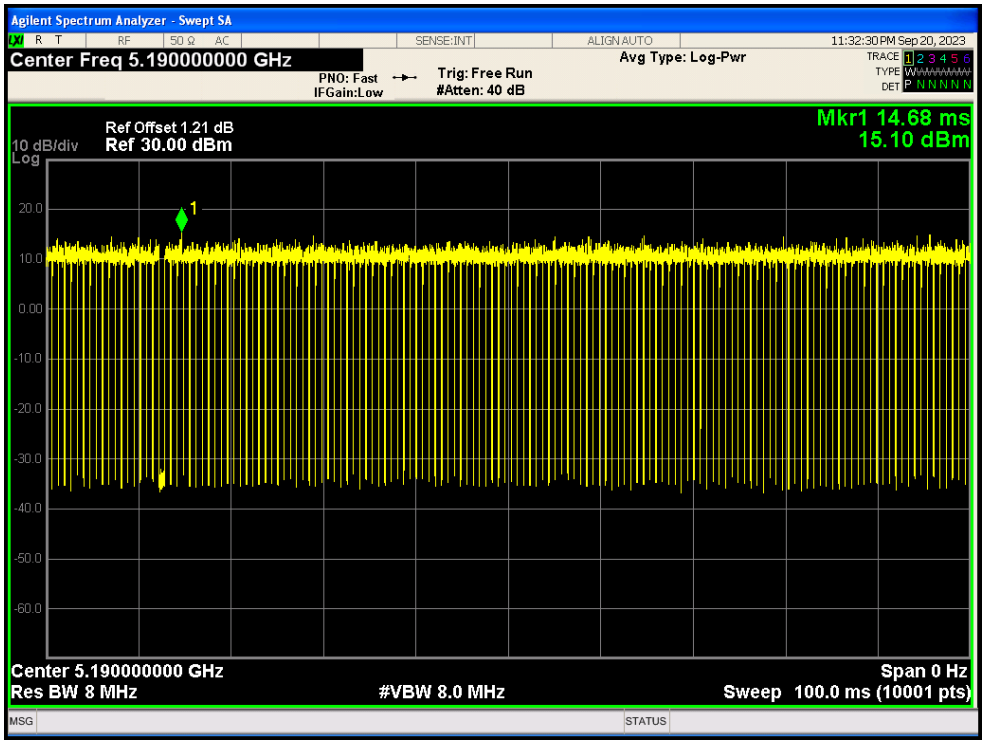
Duty Cycle NVNT ac20 5200MHz Ant2



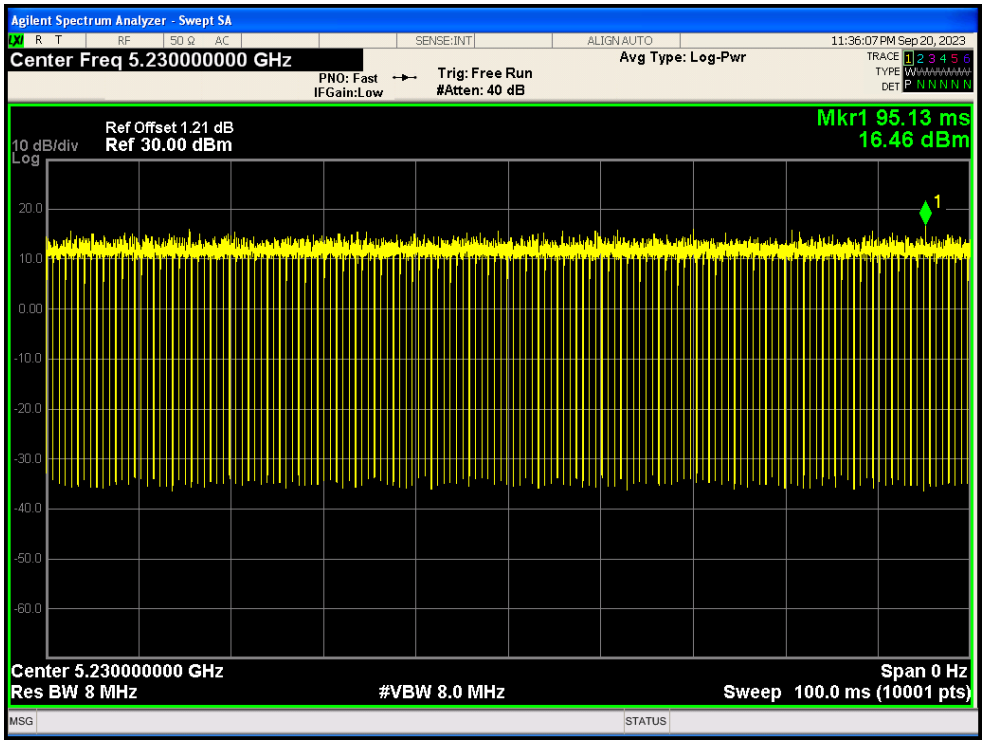
Duty Cycle NVNT ac20 5240MHz Ant2



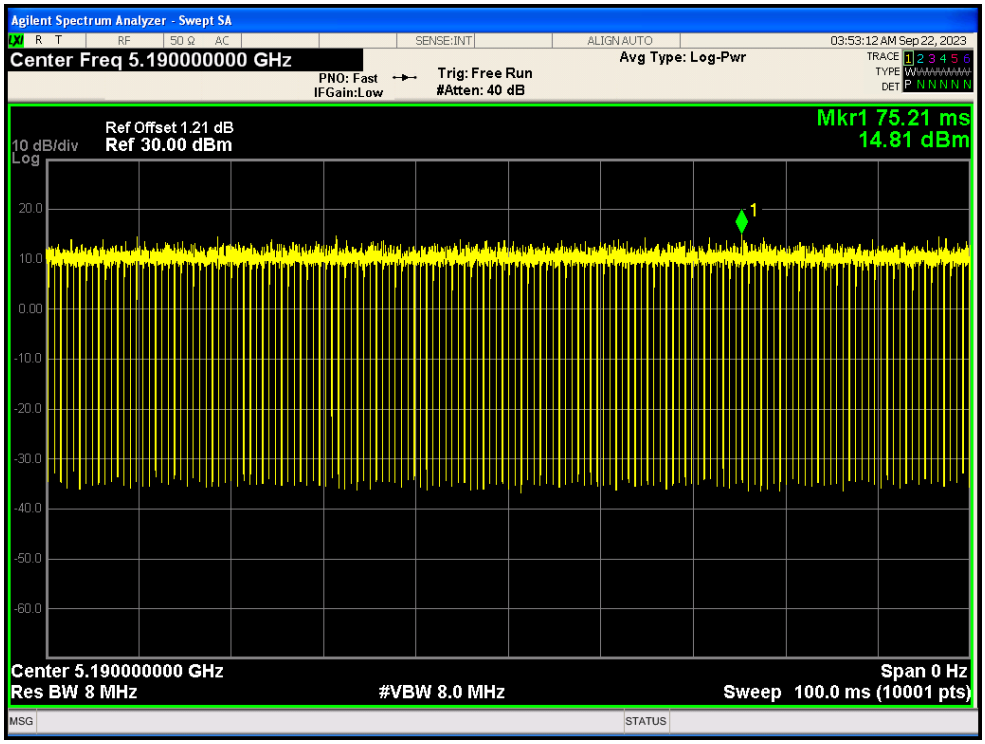
Duty Cycle NVNT ac40 5190MHz Ant1



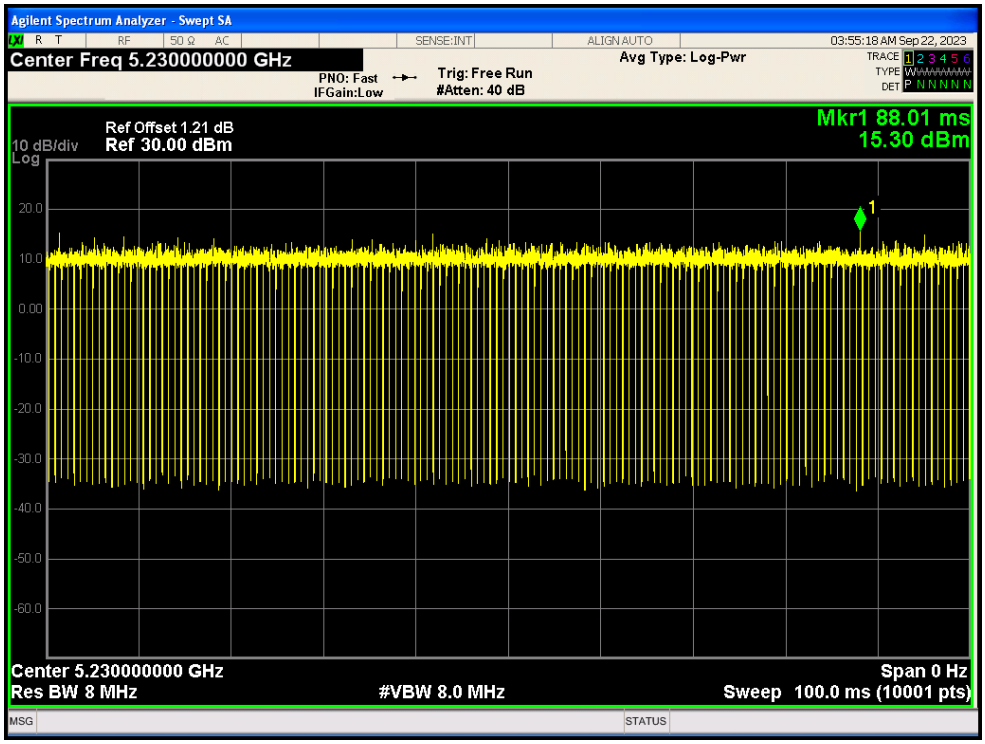
Duty Cycle NVNT ac40 5230MHz Ant1



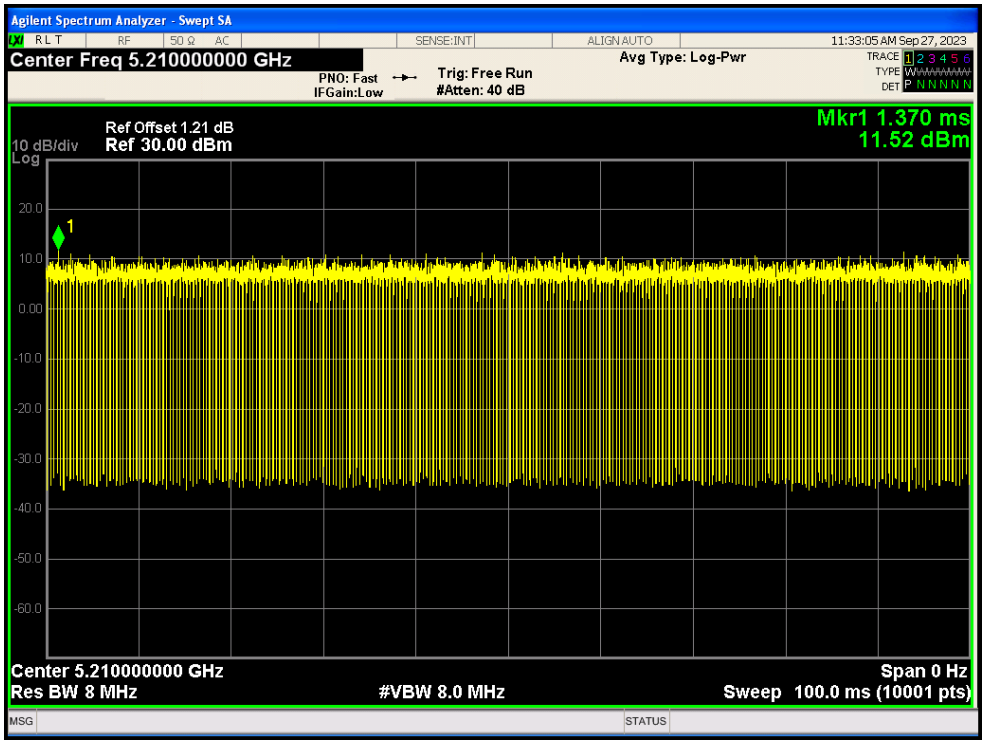
Duty Cycle NVNT ac40 5190MHz Ant2



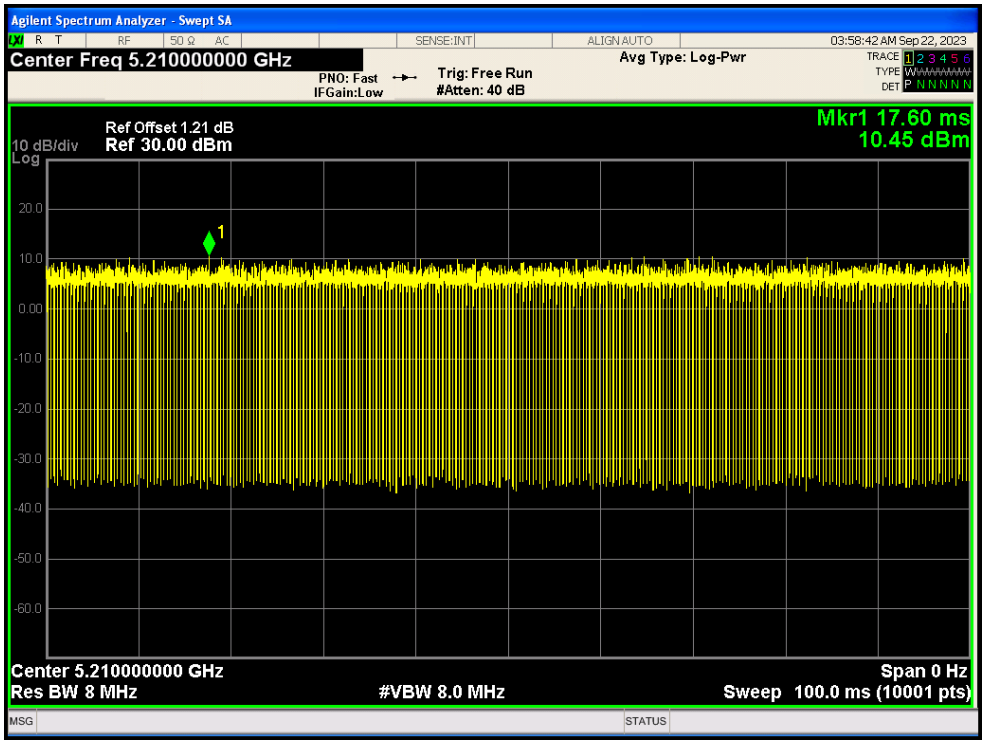
Duty Cycle NVNT ac40 5230MHz Ant2



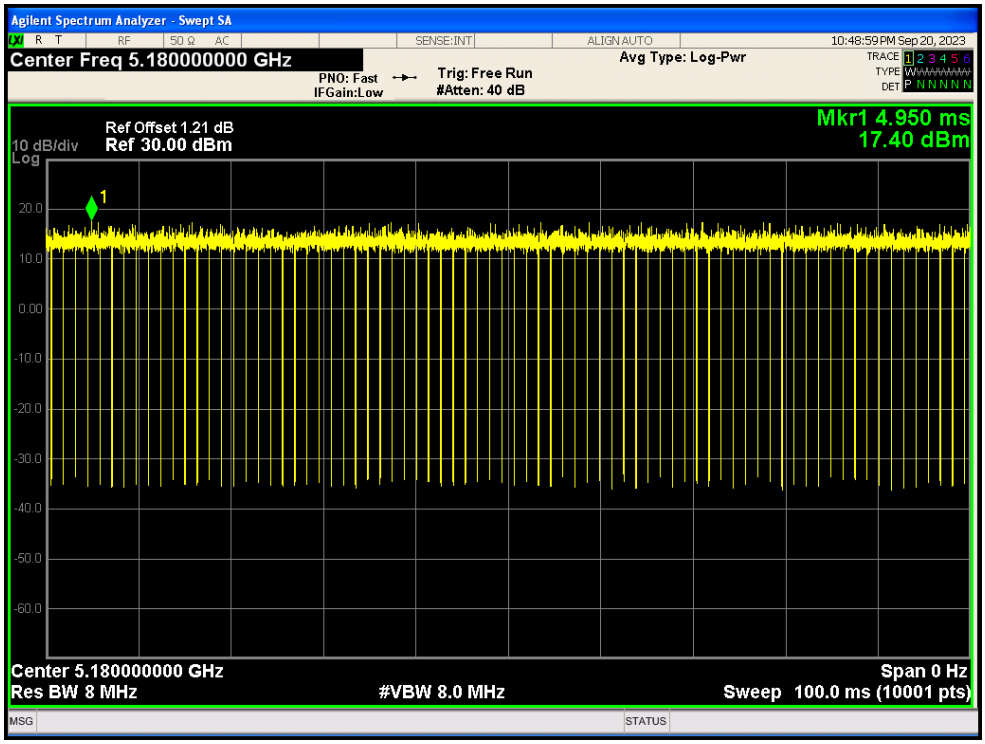
Duty Cycle NVNT ac80 5210MHz Ant1



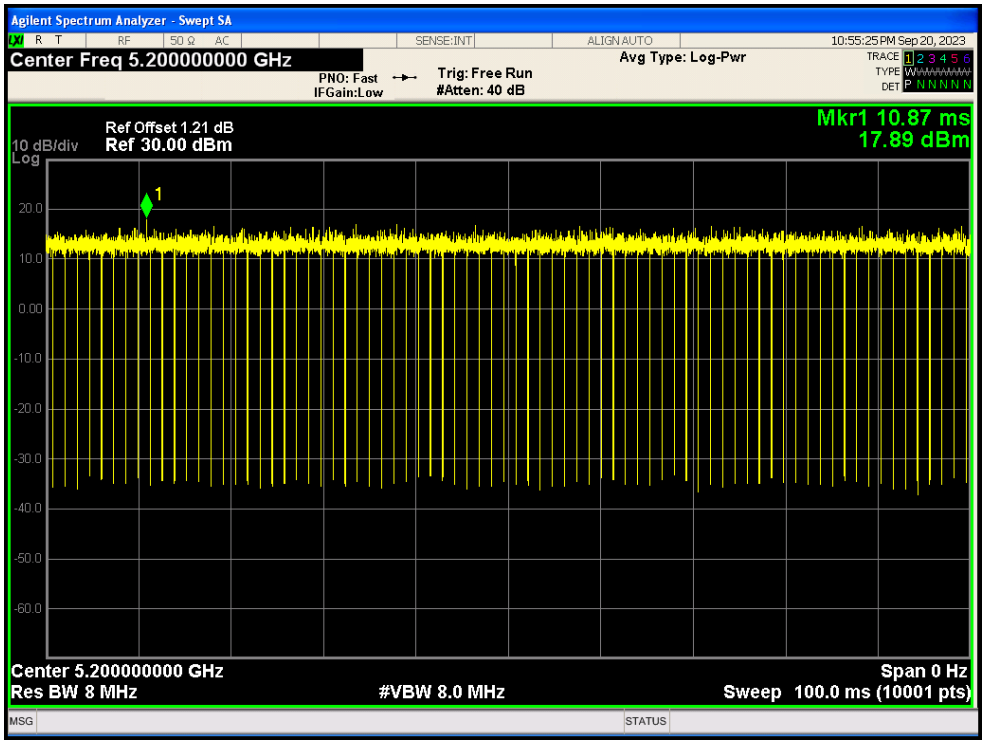
Duty Cycle NVNT ac80 5210MHz Ant2



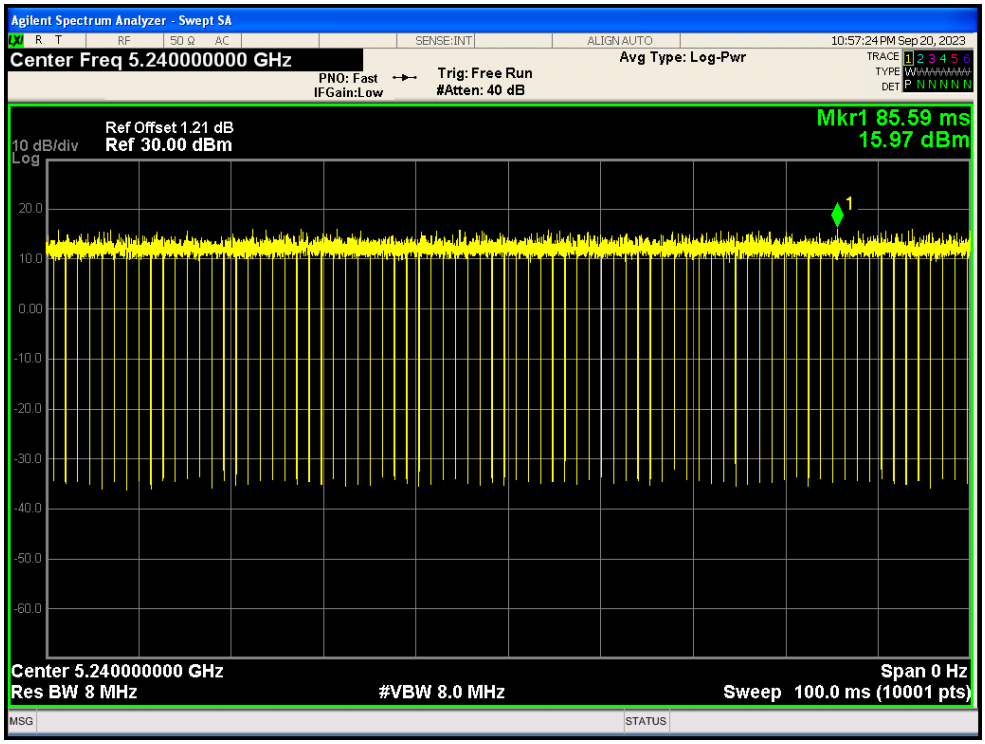
Duty Cycle NVNT n20 5180MHz Ant1



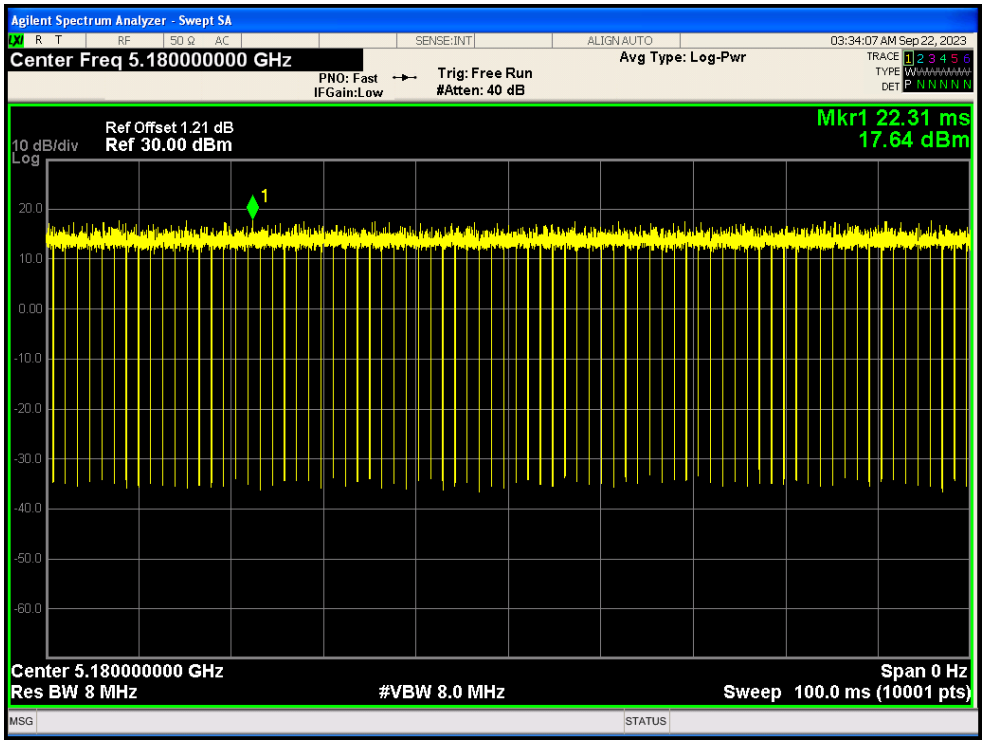
Duty Cycle NVNT n20 5200MHz Ant1



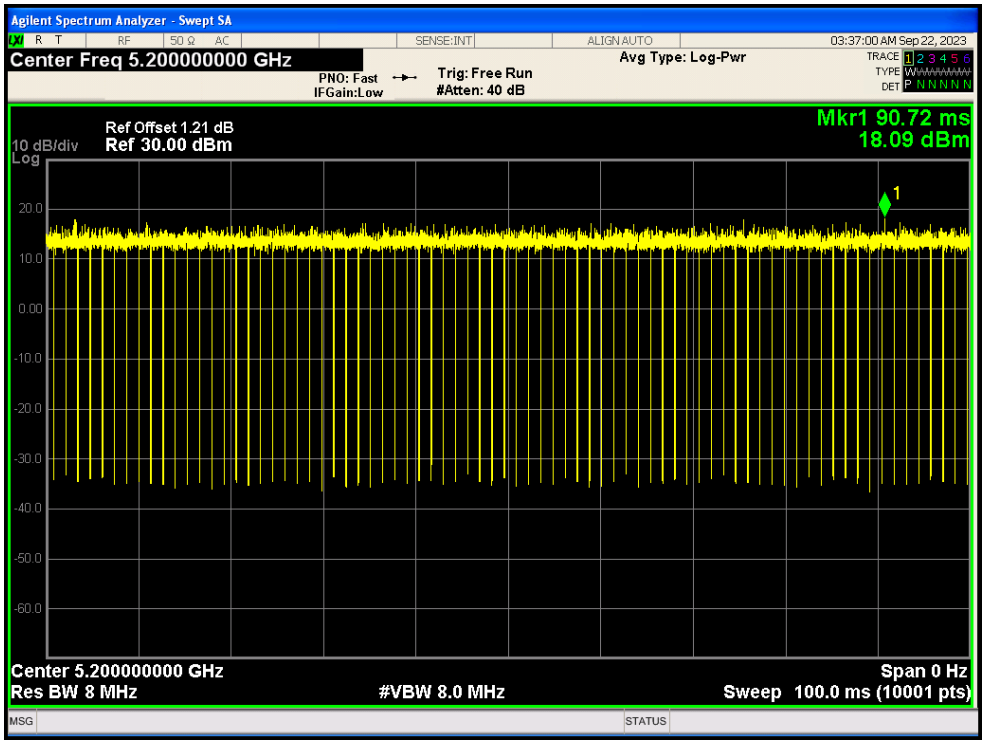
Duty Cycle NVNT n20 5240MHz Ant1



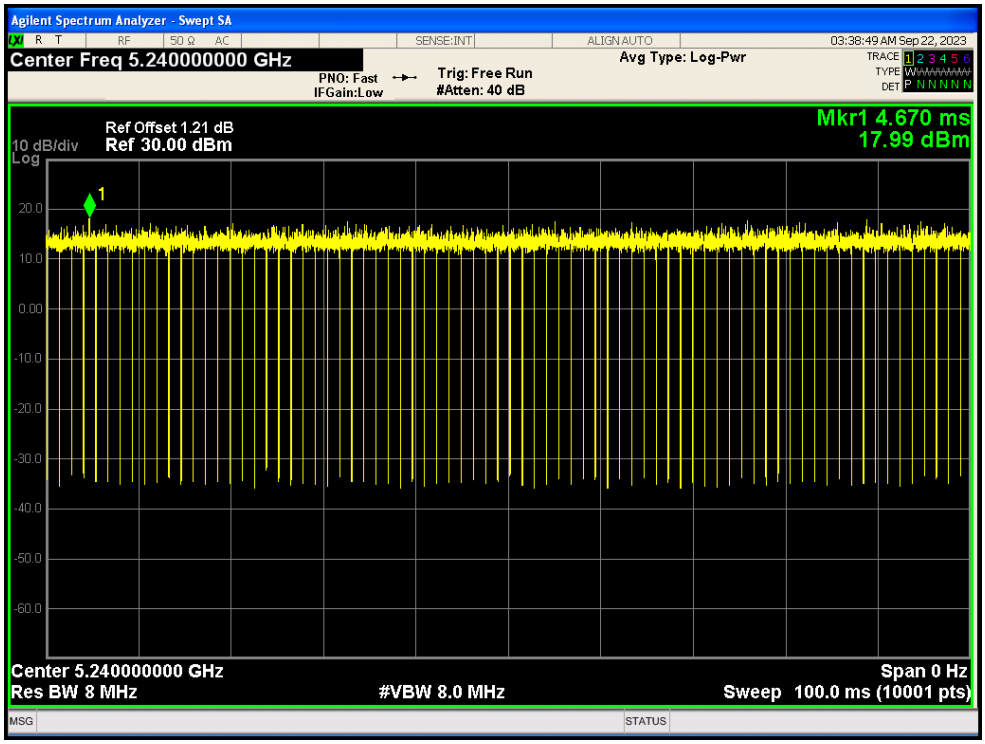
Duty Cycle NVNT n20 5180MHz Ant2



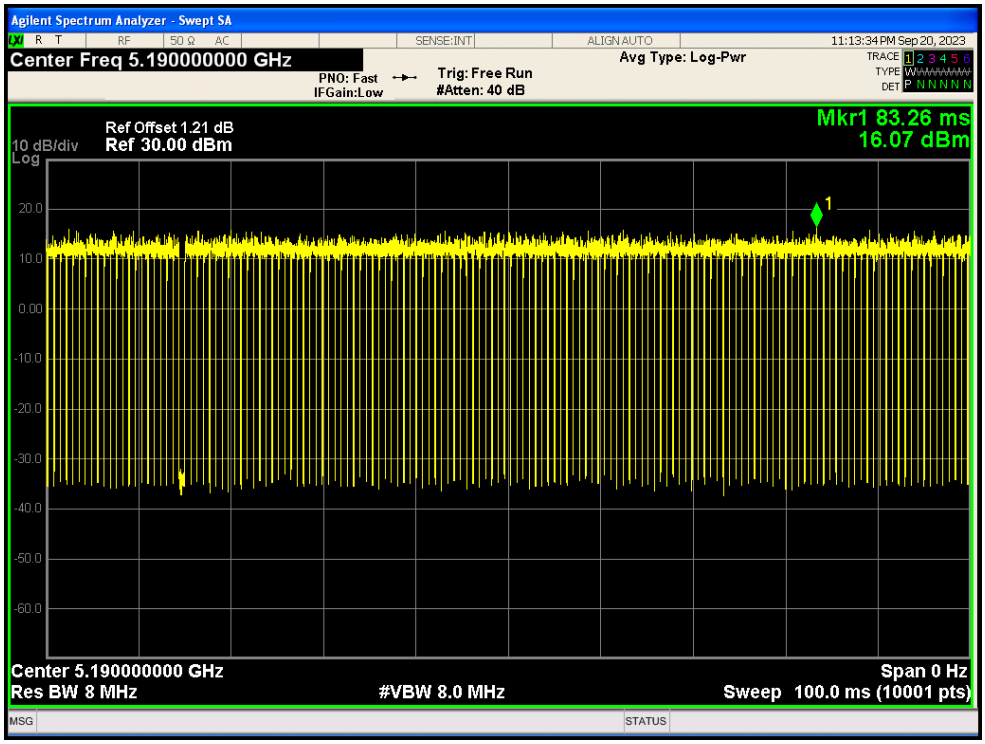
Duty Cycle NVNT n20 5200MHz Ant2



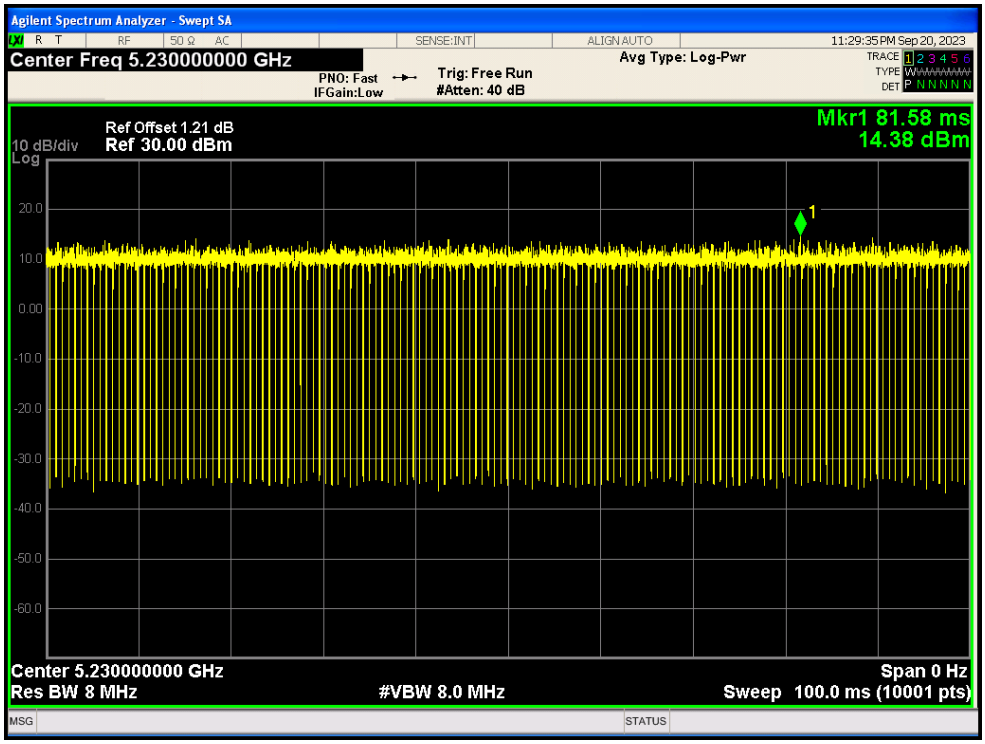
Duty Cycle NVNT n20 5240MHz Ant2



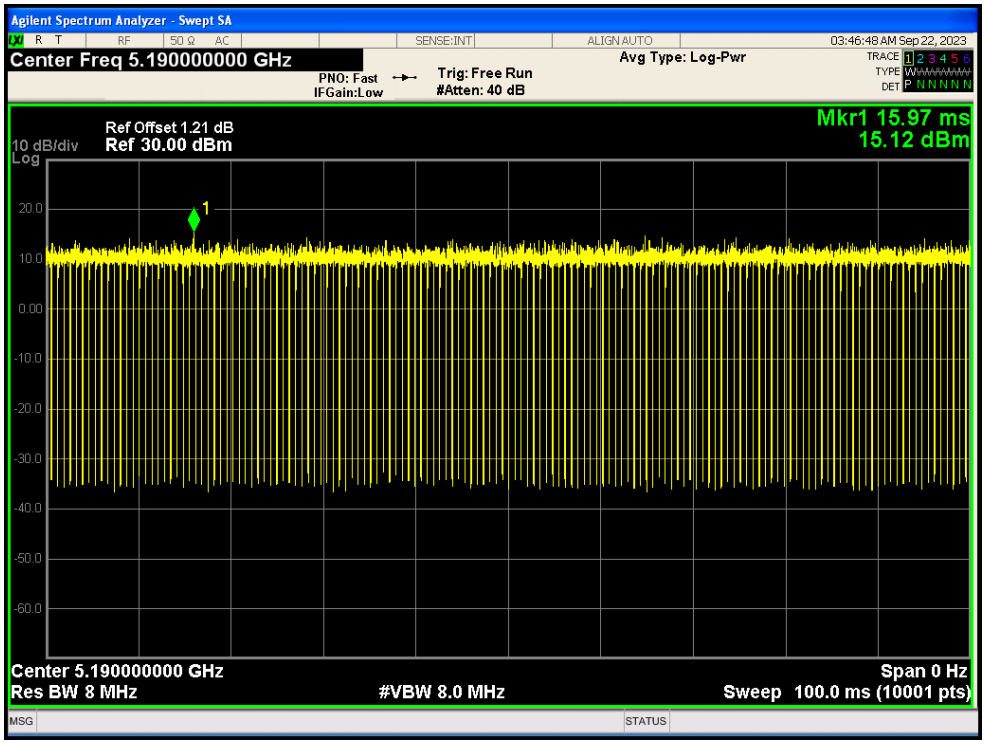
Duty Cycle NVNT n40 5190MHz Ant1



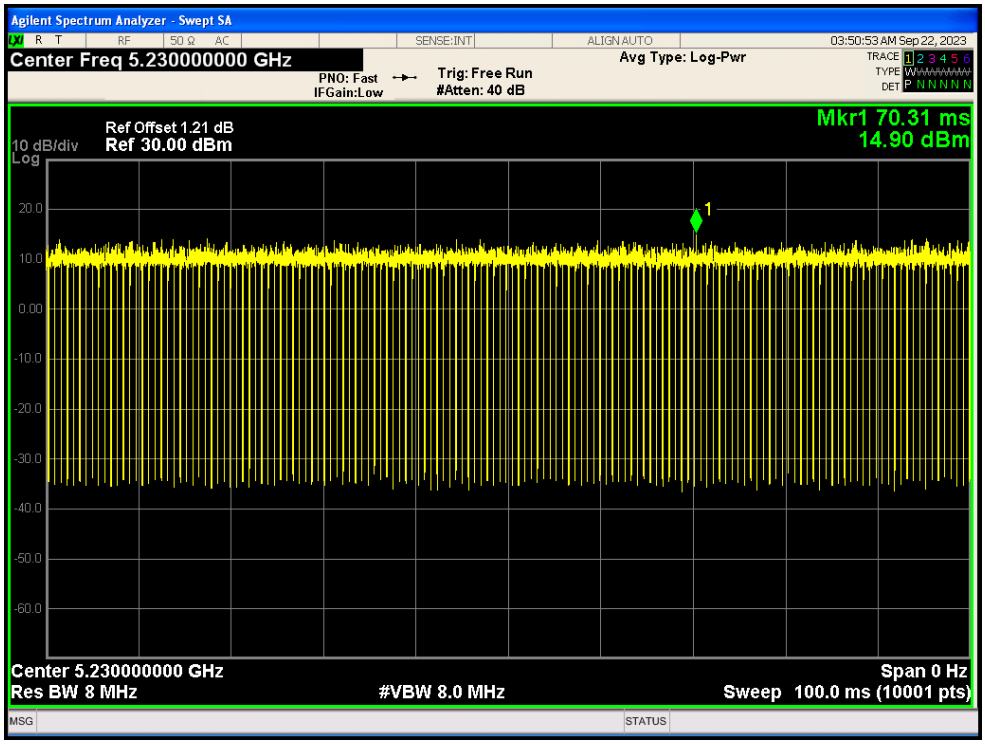
Duty Cycle NVNT n40 5230MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant2



Duty Cycle NVNT n40 5230MHz Ant2



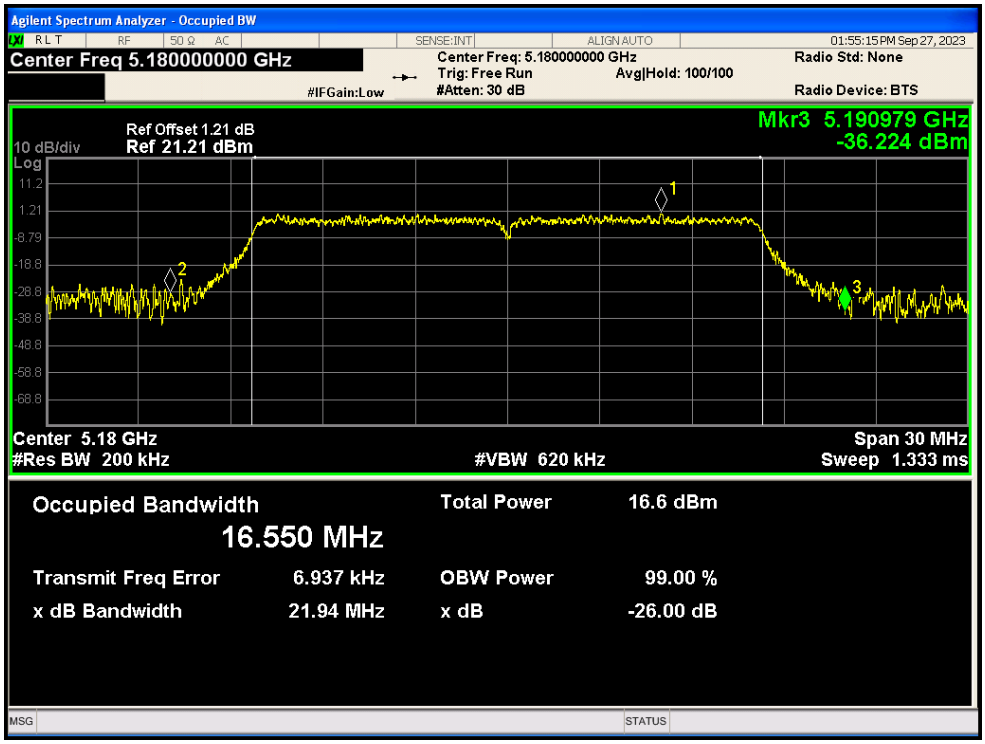
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.92	24	Pass
NVNT	a	5200	Ant1	10.301	24	Pass
NVNT	a	5240	Ant1	9.499	24	Pass
NVNT	a	5180	Ant2	10.25	24	Pass
NVNT	a	5200	Ant2	10.158	24	Pass
NVNT	a	5240	Ant2	9.922	24	Pass
NVNT	ac20	5180	Ant1	9.713	24	Pass
NVNT	ac20	5200	Ant1	8.797	24	Pass
NVNT	ac20	5240	Ant1	9.965	24	Pass
NVNT	ac20	5180	Ant2	10.236	24	Pass
NVNT	ac20	5200	Ant2	10.042	24	Pass
NVNT	ac20	5240	Ant2	9.835	24	Pass
NVNT	ac40	5190	Ant1	9.161	24	Pass
NVNT	ac40	5230	Ant1	9.364	24	Pass
NVNT	ac40	5190	Ant2	10.268	24	Pass
NVNT	ac40	5230	Ant2	10.019	24	Pass
NVNT	ac80	5210	Ant1	10.785	24	Pass
NVNT	ac80	5210	Ant2	10.061	24	Pass
NVNT	n20	5180	Ant1	9.831	24	Pass
NVNT	n20	5200	Ant1	11.046	24	Pass
NVNT	n20	5240	Ant1	10.824	24	Pass
NVNT	n20	5180	Ant2	10.259	24	Pass
NVNT	n20	5200	Ant2	10.097	24	Pass
NVNT	n20	5240	Ant2	9.82	24	Pass
NVNT	n40	5190	Ant1	8.875	24	Pass
NVNT	n40	5230	Ant1	9.91	24	Pass
NVNT	n40	5190	Ant2	10.253	24	Pass
NVNT	n40	5230	Ant2	10.03	24	Pass

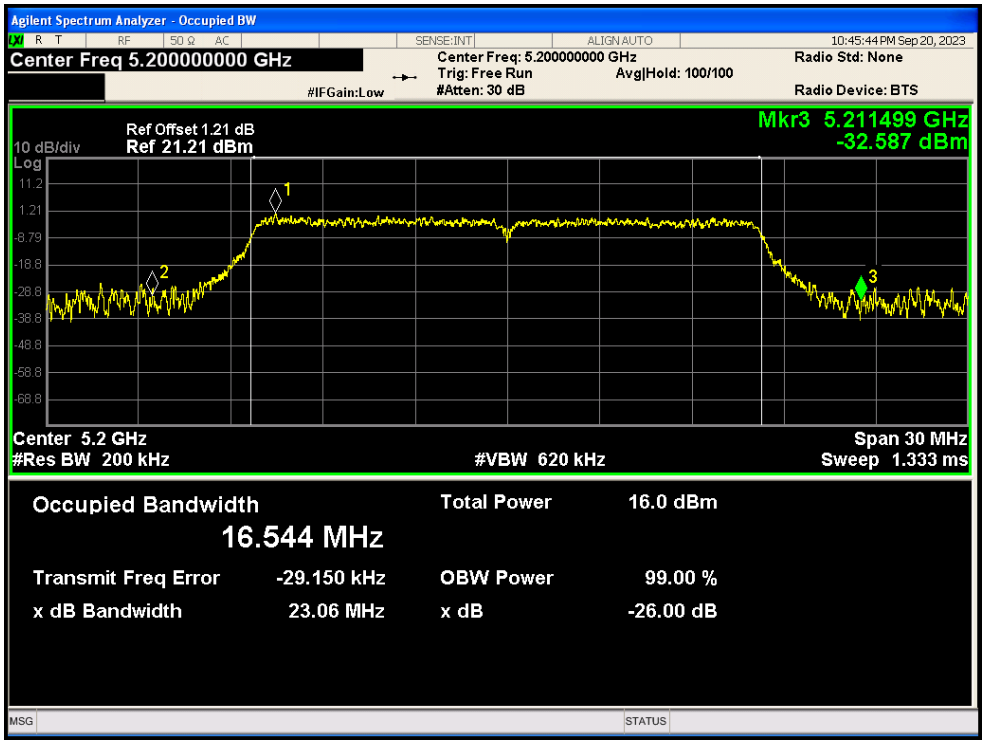
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	21.944	0.5	Pass
NVNT	a	5200	Ant1	23.056	0.5	Pass
NVNT	a	5240	Ant1	27.783	0.5	Pass
NVNT	a	5180	Ant2	21.33	0.5	Pass
NVNT	a	5200	Ant2	26.908	0.5	Pass
NVNT	a	5240	Ant2	26.189	0.5	Pass
NVNT	ac20	5180	Ant1	24.8	0.5	Pass
NVNT	ac20	5200	Ant1	22.119	0.5	Pass
NVNT	ac20	5240	Ant1	28.677	0.5	Pass
NVNT	ac20	5180	Ant2	26.641	0.5	Pass
NVNT	ac20	5200	Ant2	27.198	0.5	Pass
NVNT	ac20	5240	Ant2	27.082	0.5	Pass
NVNT	ac40	5190	Ant1	45.32	0.5	Pass
NVNT	ac40	5230	Ant1	51.118	0.5	Pass
NVNT	ac40	5190	Ant2	47.532	0.5	Pass
NVNT	ac40	5230	Ant2	48.524	0.5	Pass
NVNT	ac80	5210	Ant1	87.048	0.5	Pass
NVNT	ac80	5210	Ant2	83.421	0.5	Pass
NVNT	n20	5180	Ant1	22.019	0.5	Pass
NVNT	n20	5200	Ant1	21.136	0.5	Pass
NVNT	n20	5240	Ant1	22.018	0.5	Pass
NVNT	n20	5180	Ant2	25.608	0.5	Pass
NVNT	n20	5200	Ant2	23.835	0.5	Pass
NVNT	n20	5240	Ant2	23.729	0.5	Pass
NVNT	n40	5190	Ant1	43.436	0.5	Pass
NVNT	n40	5230	Ant1	47.924	0.5	Pass
NVNT	n40	5190	Ant2	44.141	0.5	Pass
NVNT	n40	5230	Ant2	46.734	0.5	Pass

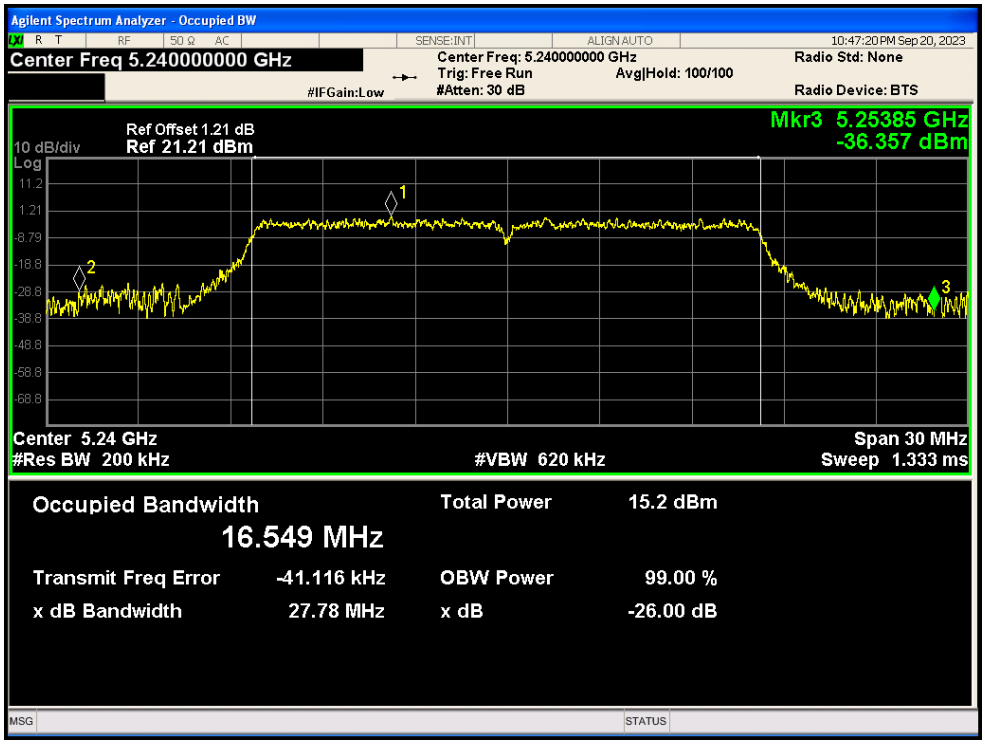
-26dB Bandwidth NVNT a 5180MHz Ant1



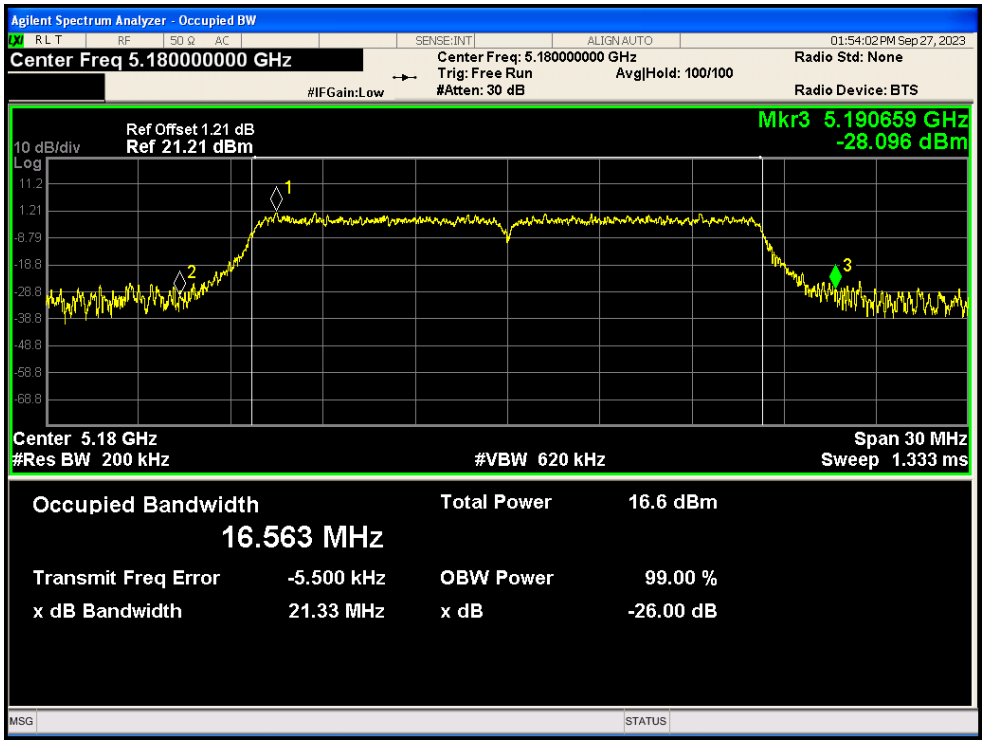
-26dB Bandwidth NVNT a 5200MHz Ant1



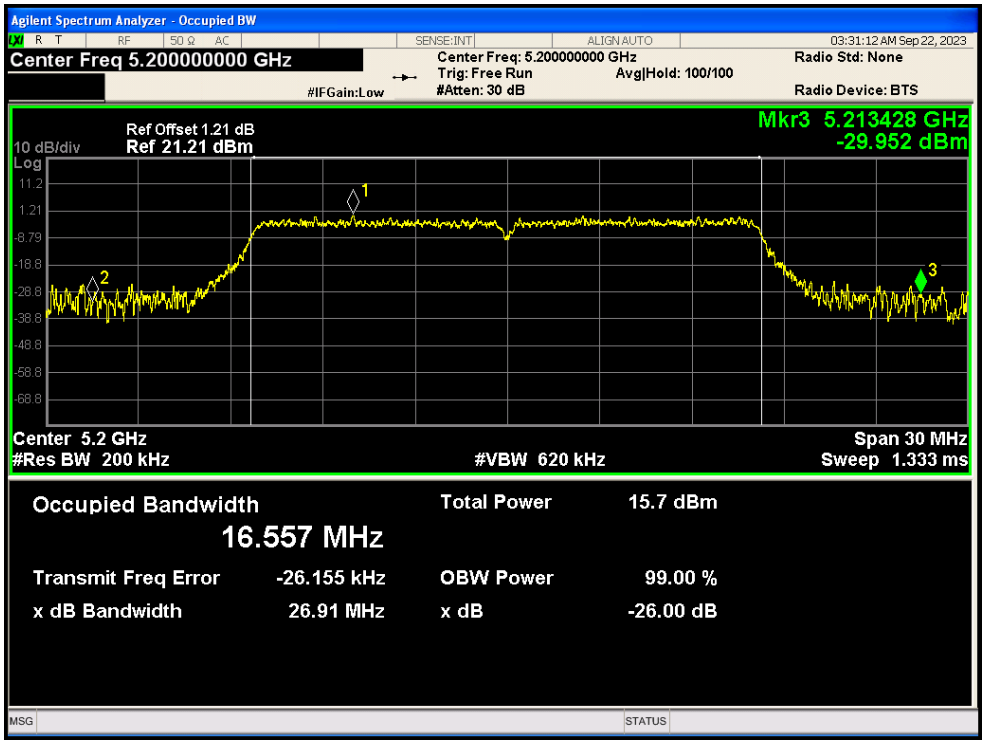
-26dB Bandwidth NVNT a 5240MHz Ant1



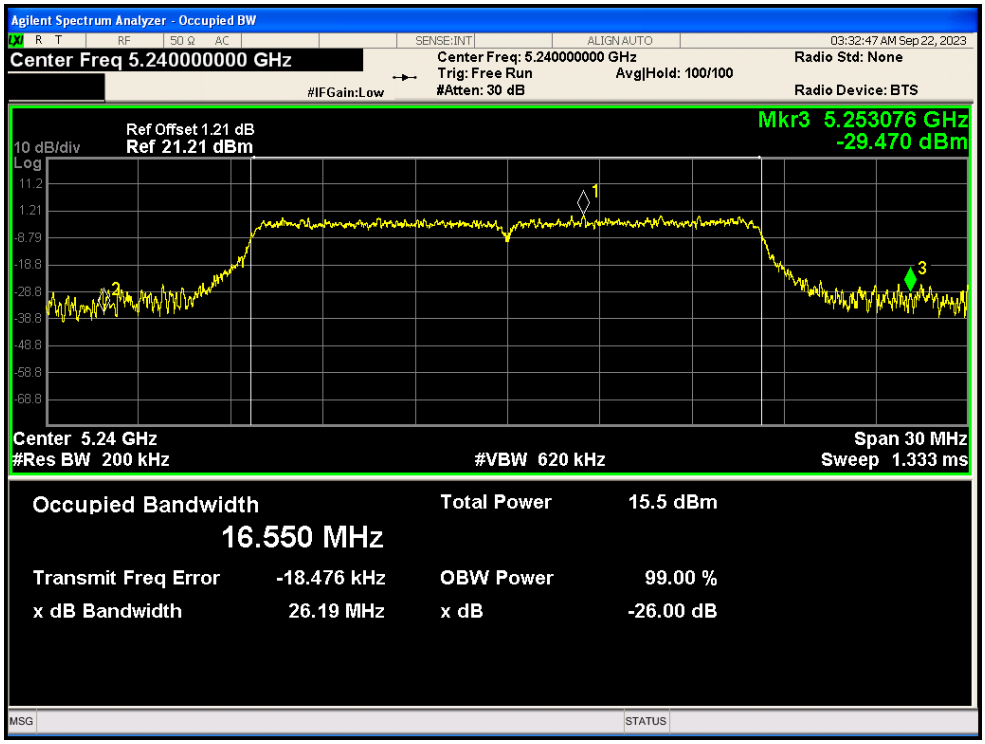
-26dB Bandwidth NVNT a 5180MHz Ant2



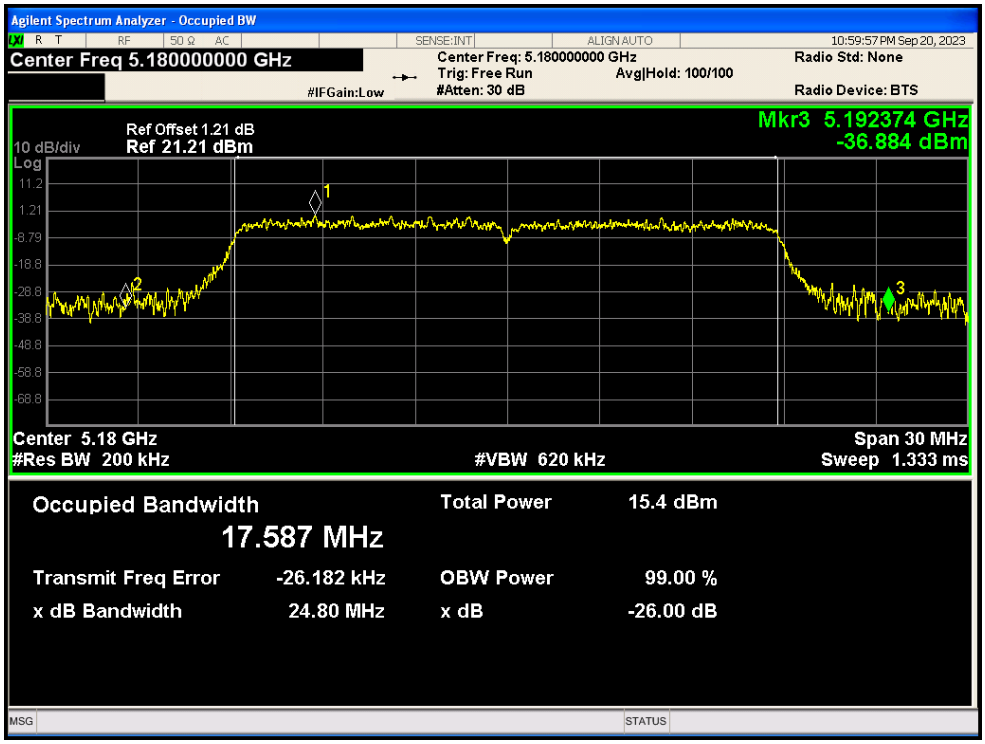
-26dB Bandwidth NVNT a 5200MHz Ant2



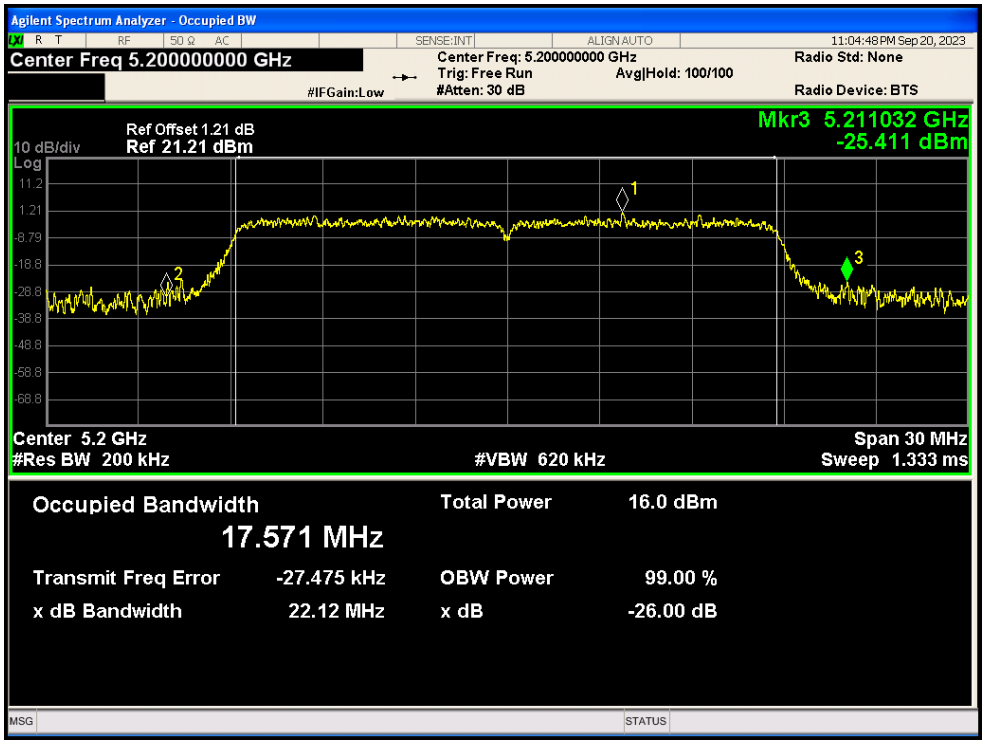
-26dB Bandwidth NVNT a 5240MHz Ant2



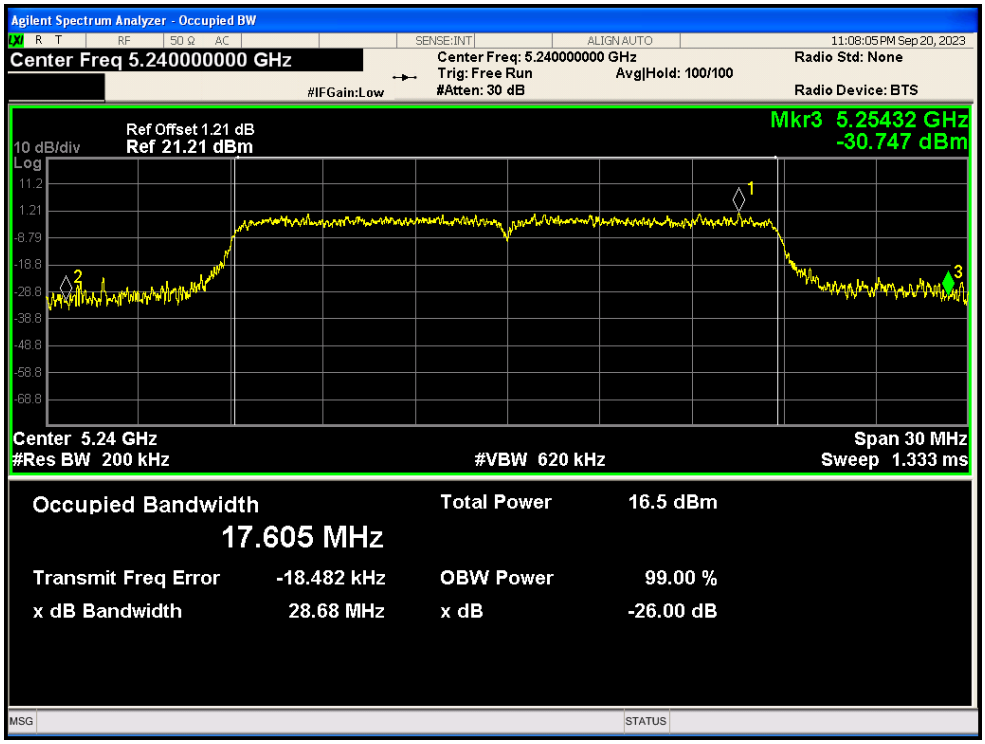
-26dB Bandwidth NVNT ac20 5180MHz Ant1



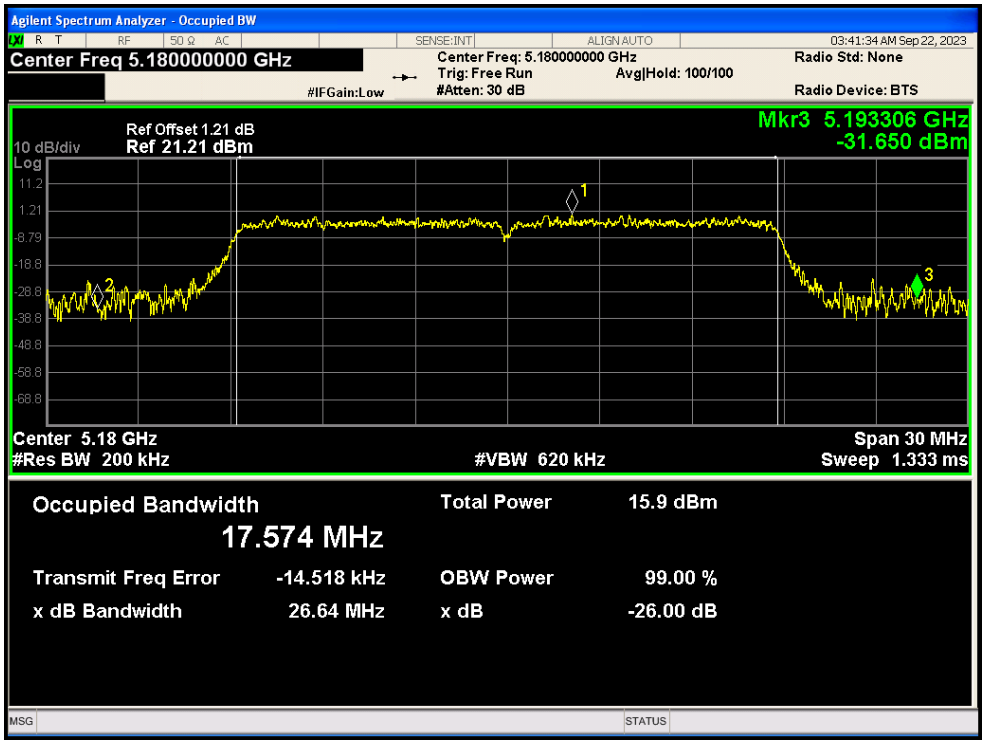
-26dB Bandwidth NVNT ac20 5200MHz Ant1



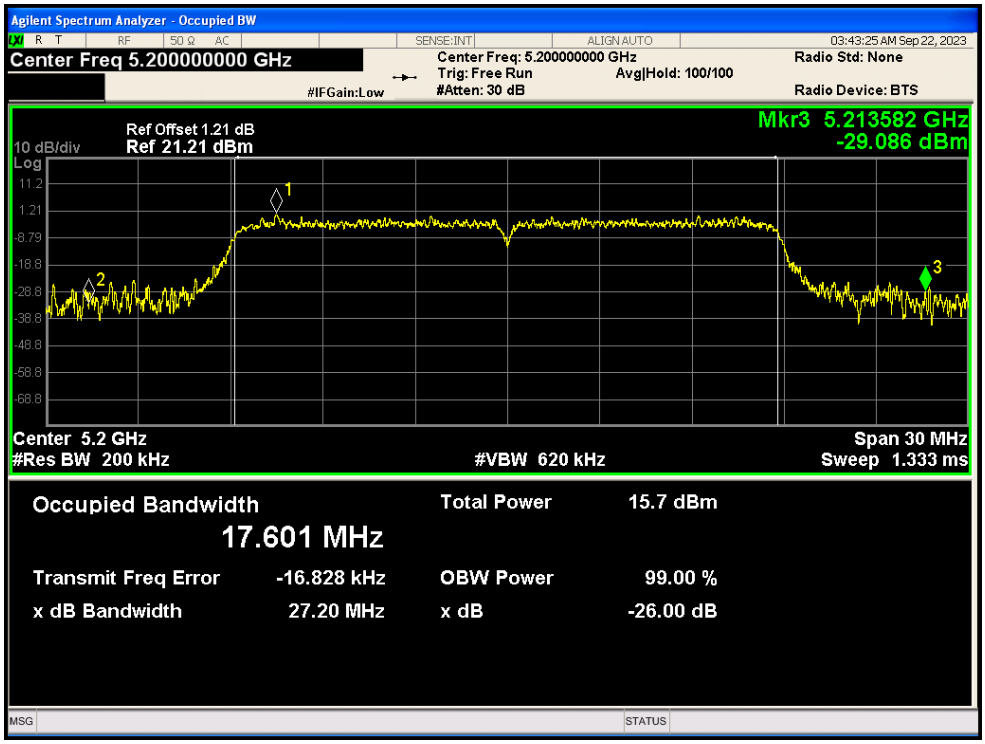
-26dB Bandwidth NVNT ac20 5240MHz Ant1



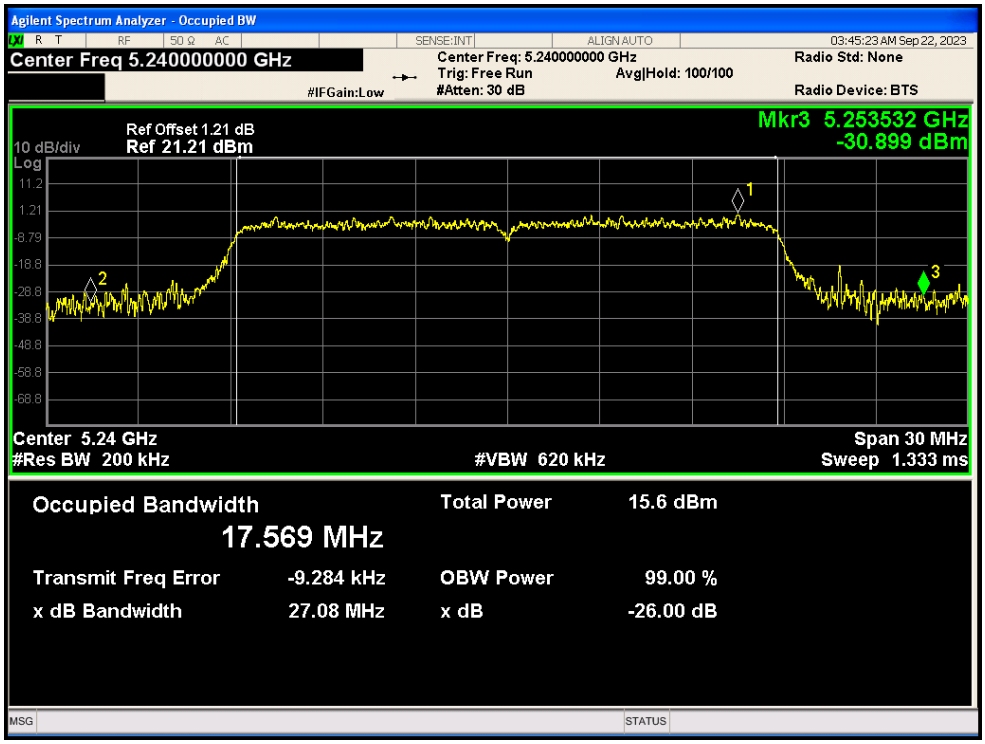
-26dB Bandwidth NVNT ac20 5180MHz Ant2



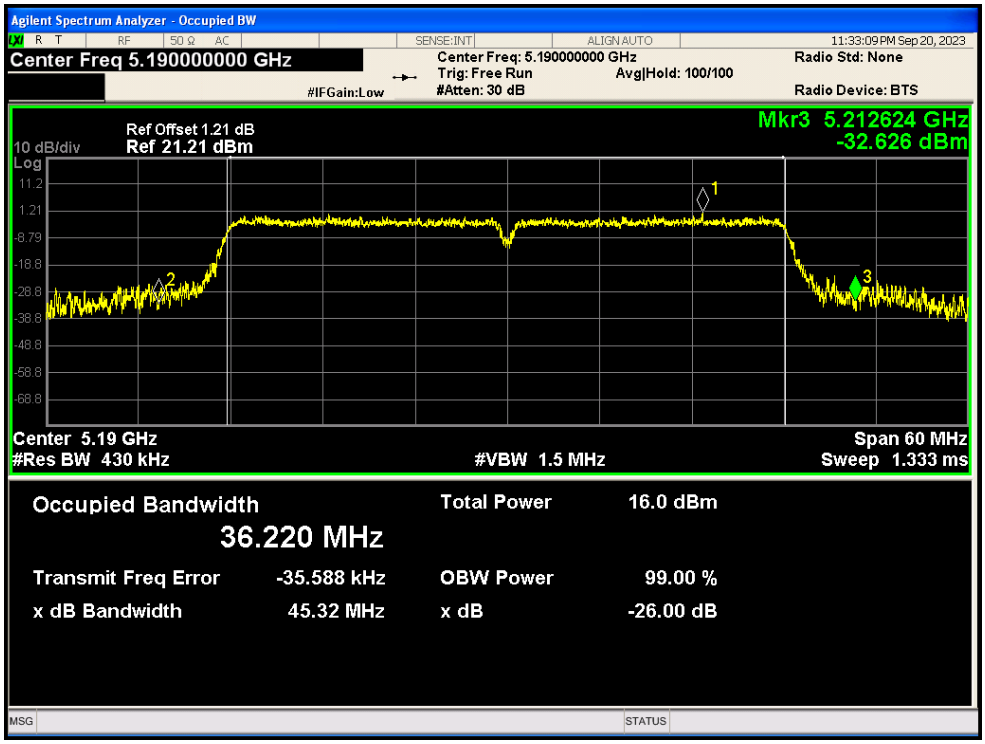
-26dB Bandwidth NVNT ac20 5200MHz Ant2



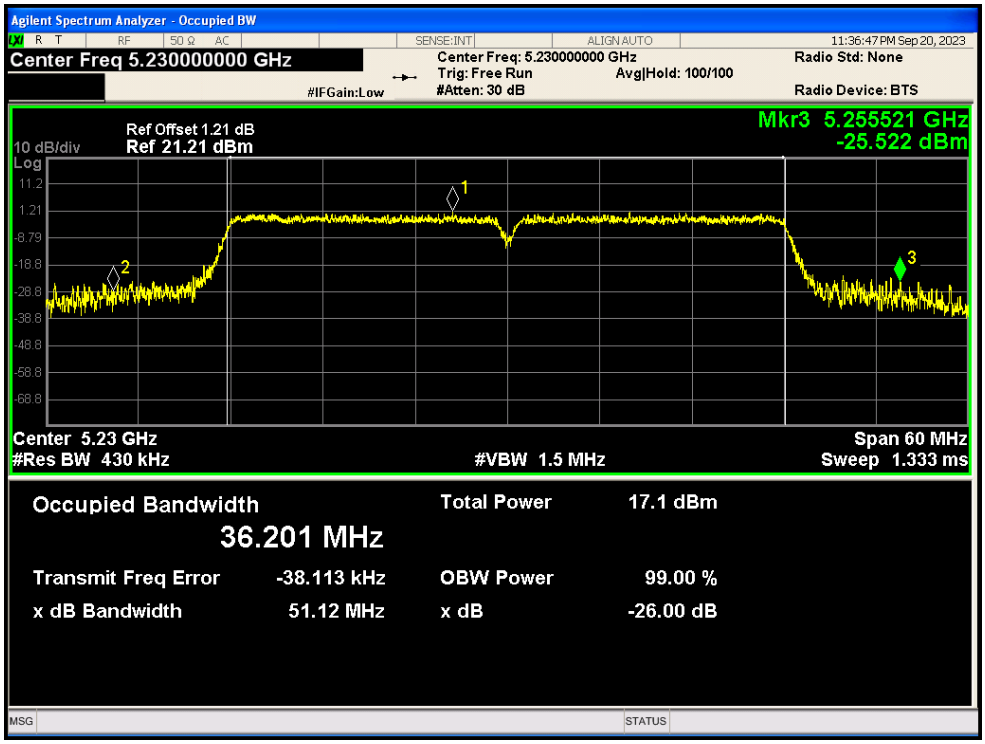
-26dB Bandwidth NVNT ac20 5240MHz Ant2



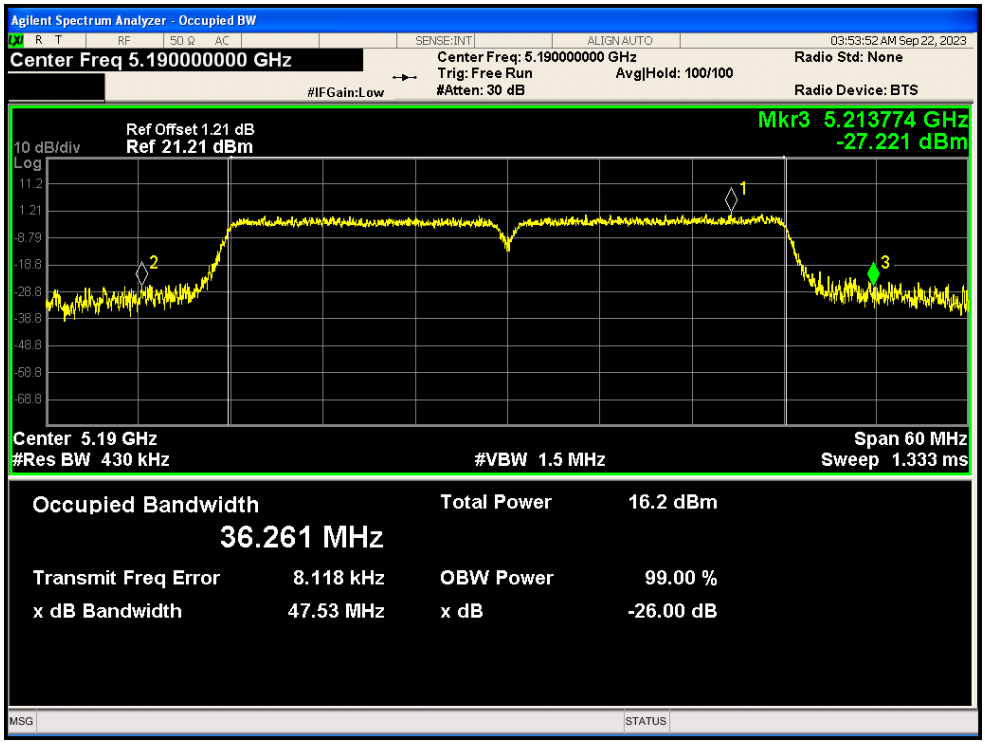
-26dB Bandwidth NVNT ac40 5190MHz Ant1



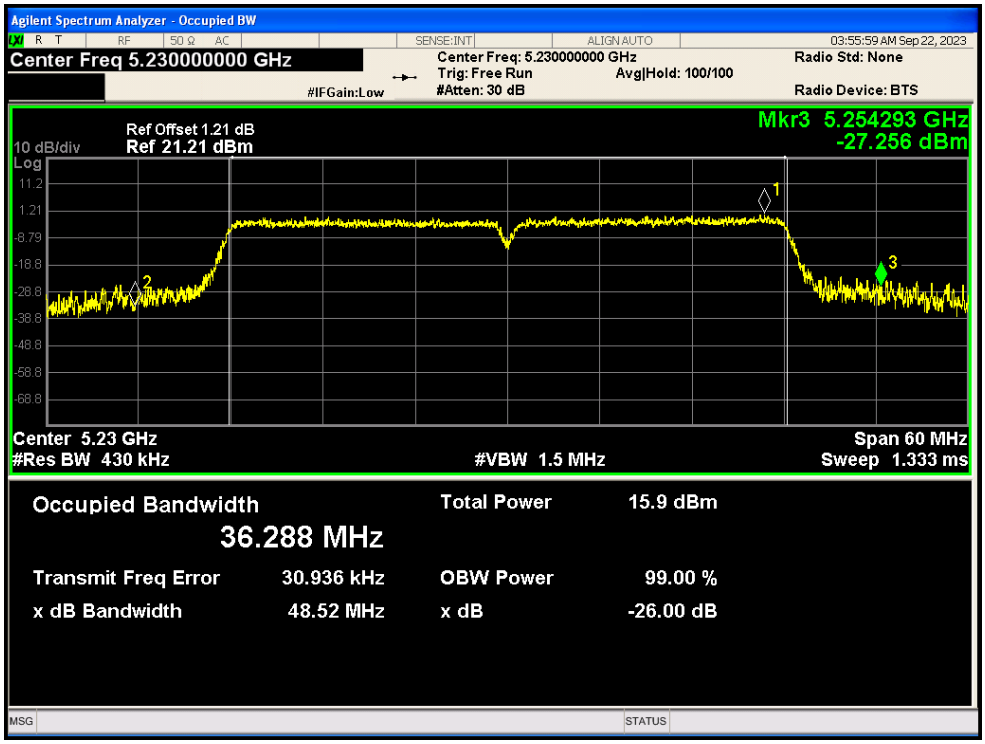
-26dB Bandwidth NVNT ac40 5230MHz Ant1



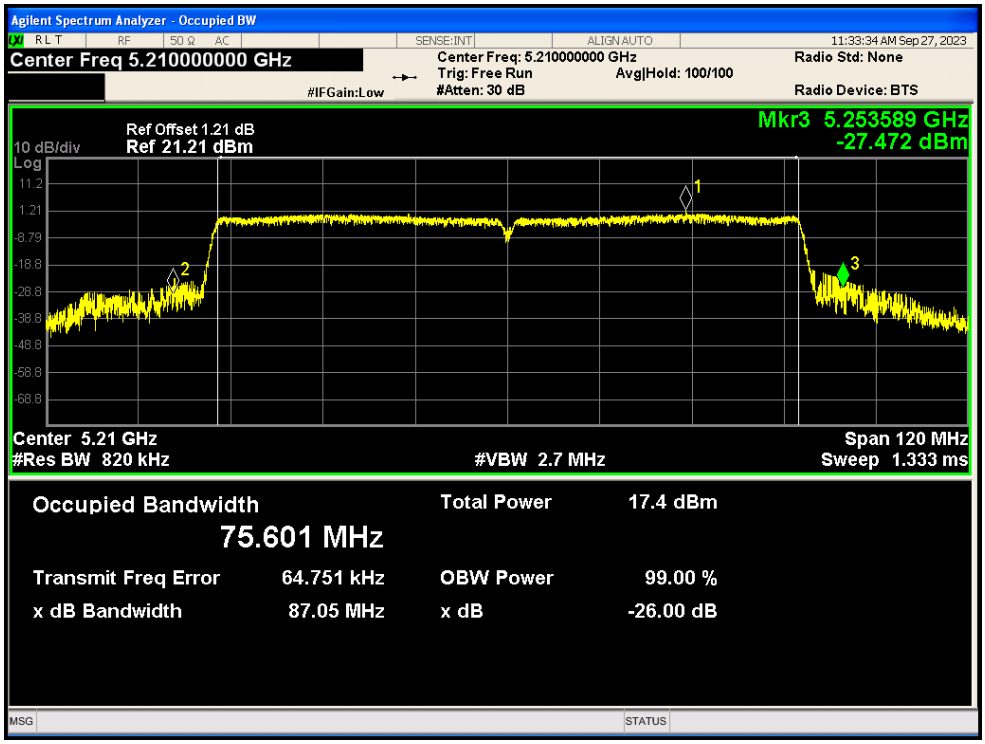
-26dB Bandwidth NVNT ac40 5190MHz Ant2



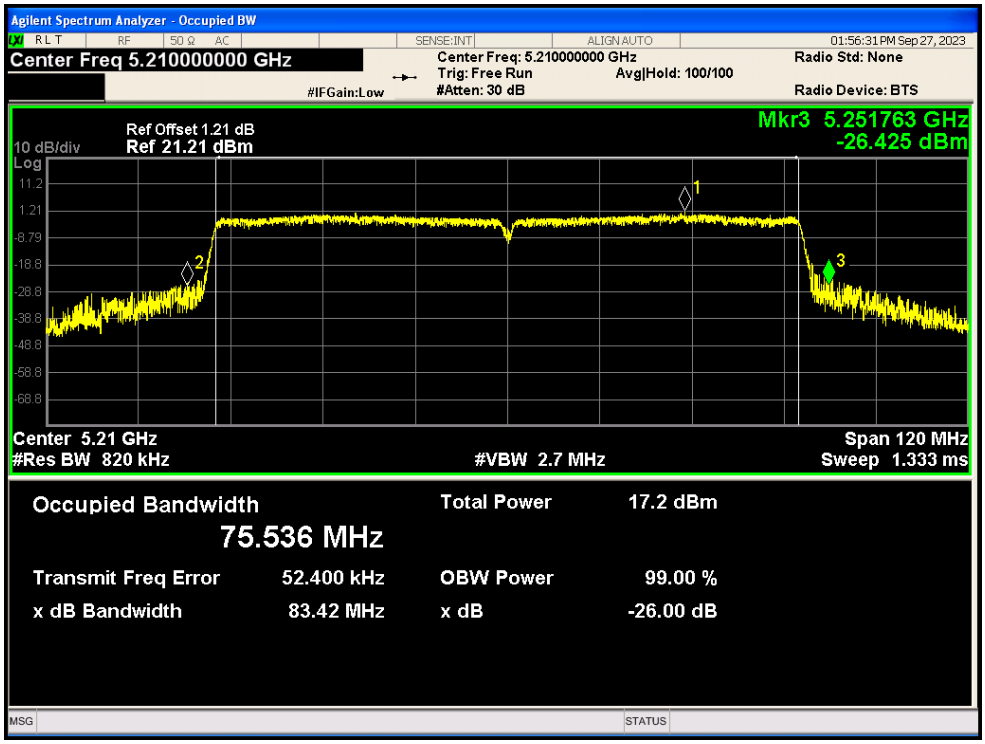
-26dB Bandwidth NVNT ac40 5230MHz Ant2



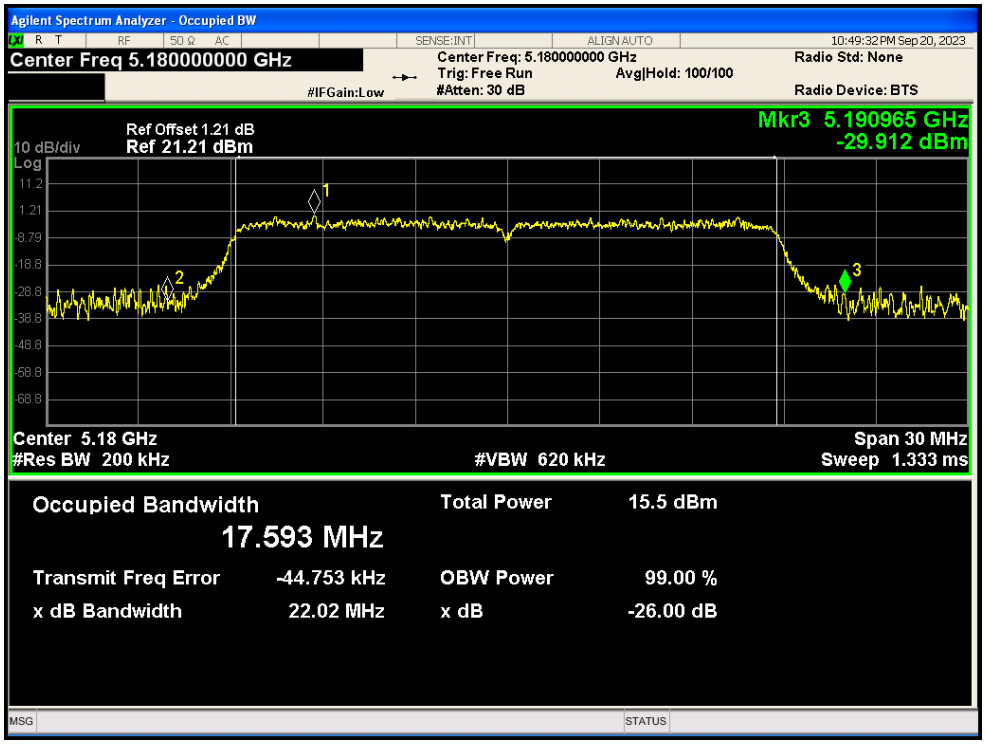
-26dB Bandwidth NVNT ac80 5210MHz Ant1



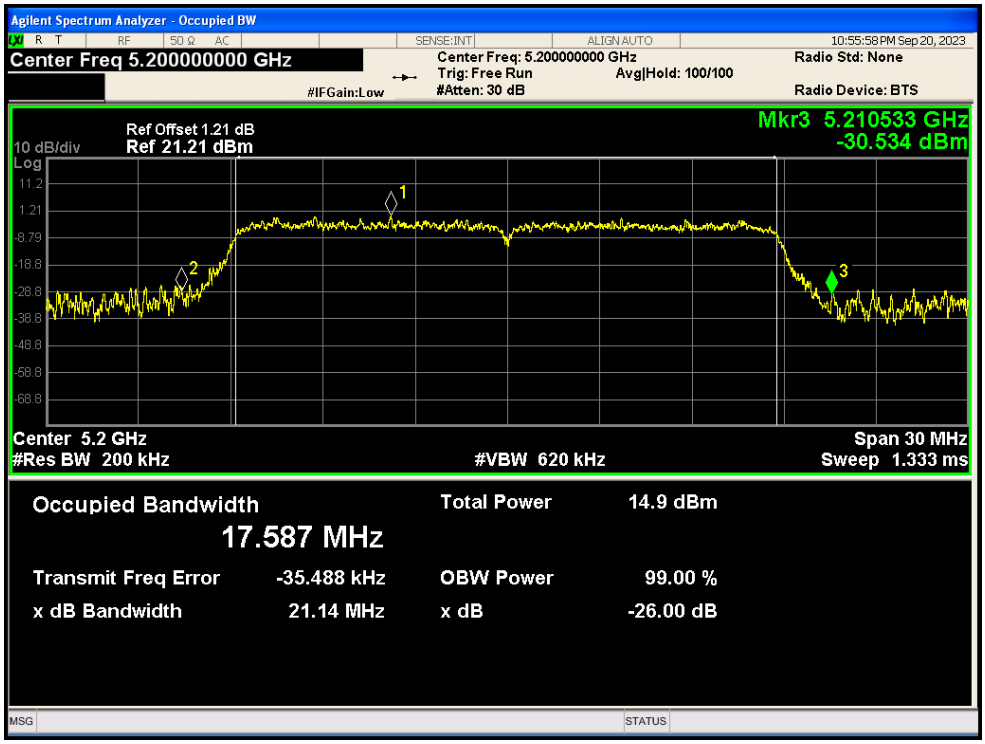
-26dB Bandwidth NVNT ac80 5210MHz Ant2



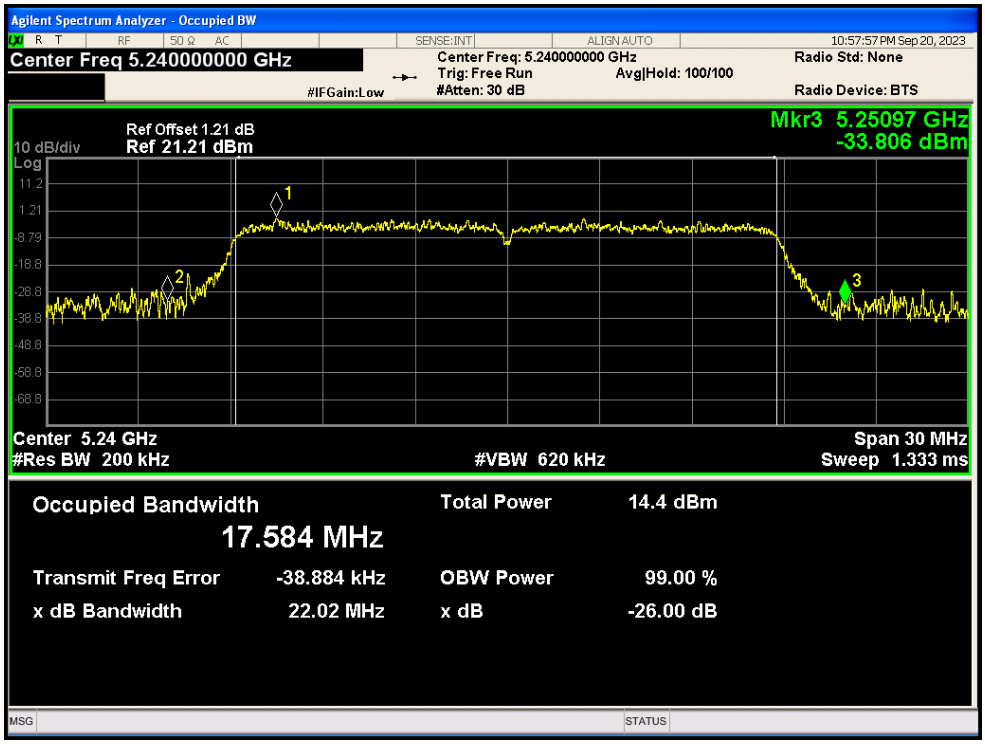
-26dB Bandwidth NVNT n20 5180MHz Ant1



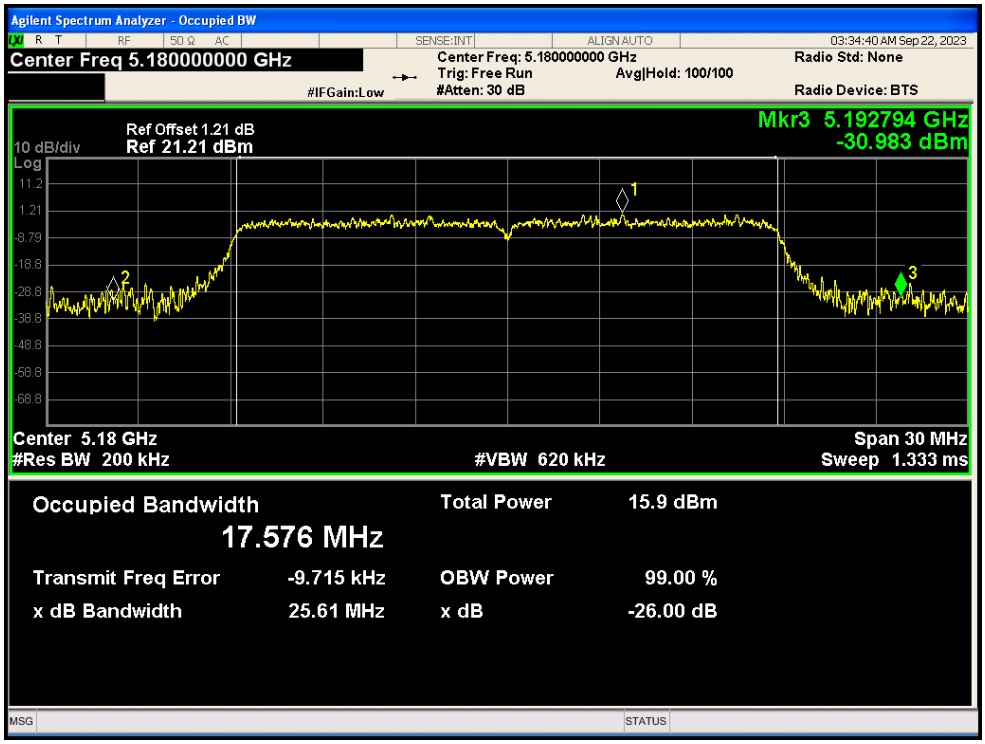
-26dB Bandwidth NVNT n20 5200MHz Ant1



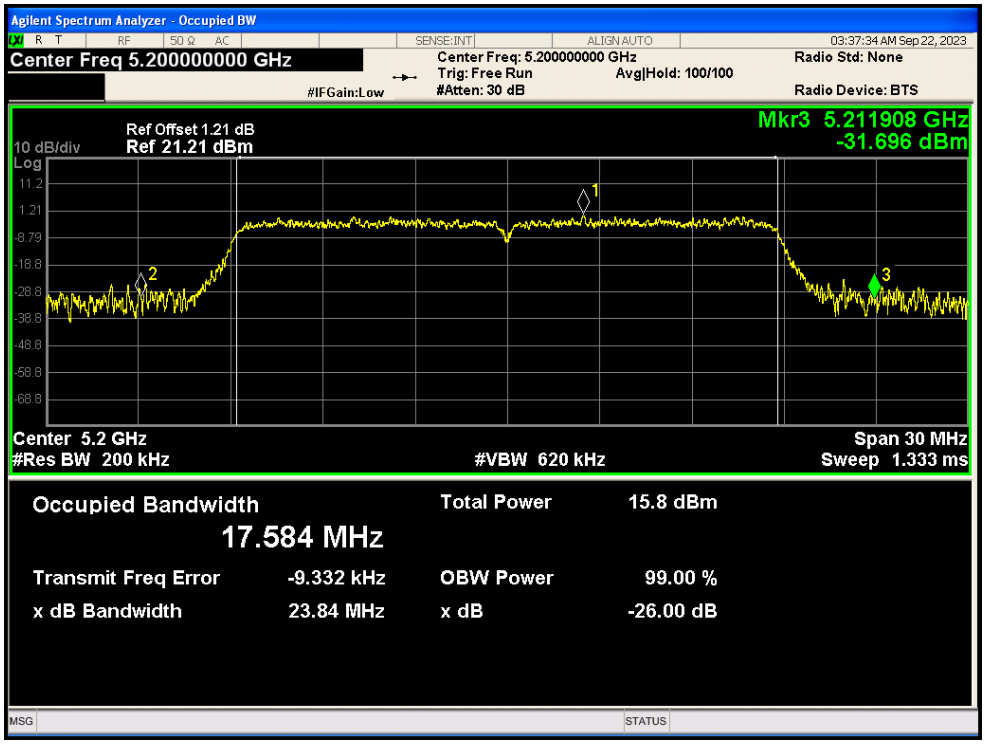
-26dB Bandwidth NVNT n20 5240MHz Ant1



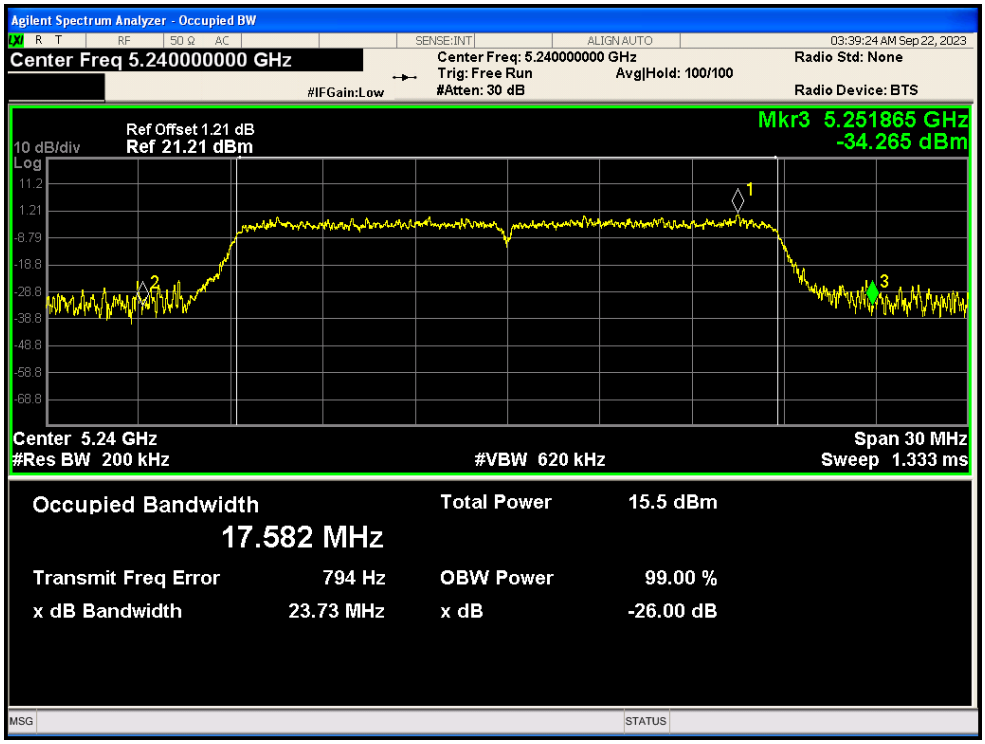
-26dB Bandwidth NVNT n20 5180MHz Ant2



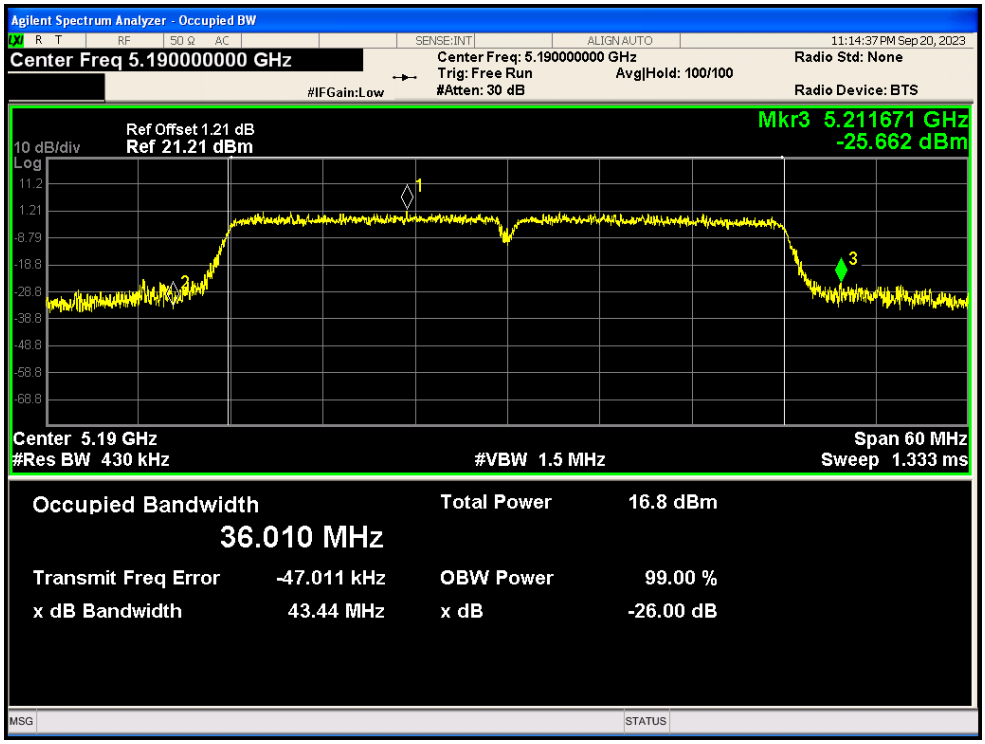
-26dB Bandwidth NVNT n20 5200MHz Ant2



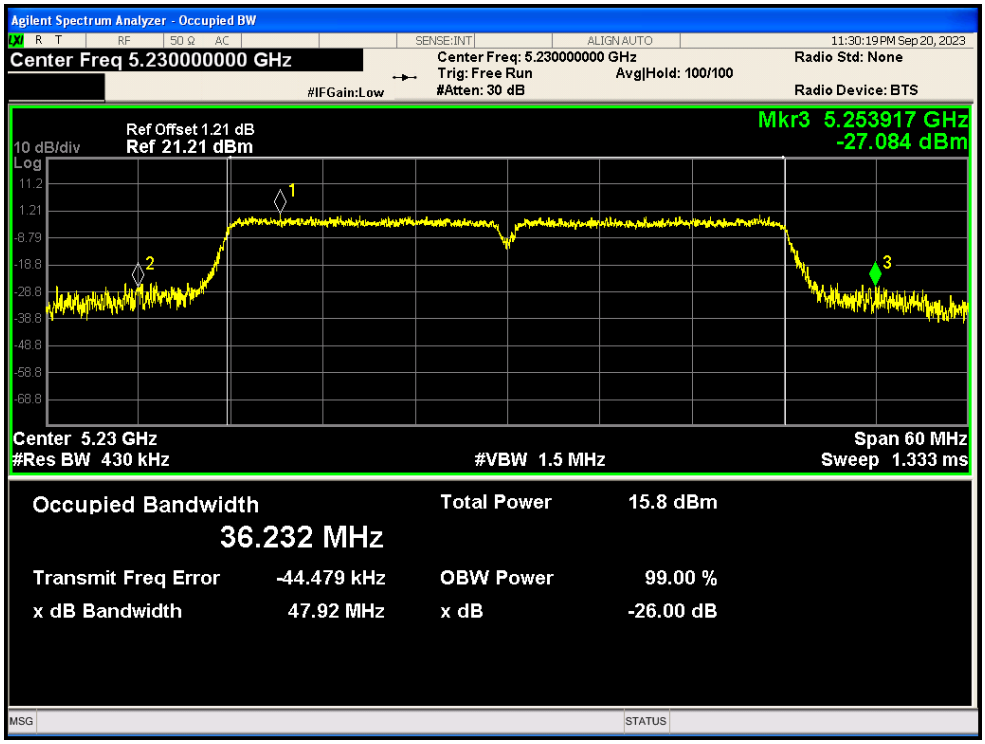
-26dB Bandwidth NVNT n20 5240MHz Ant2



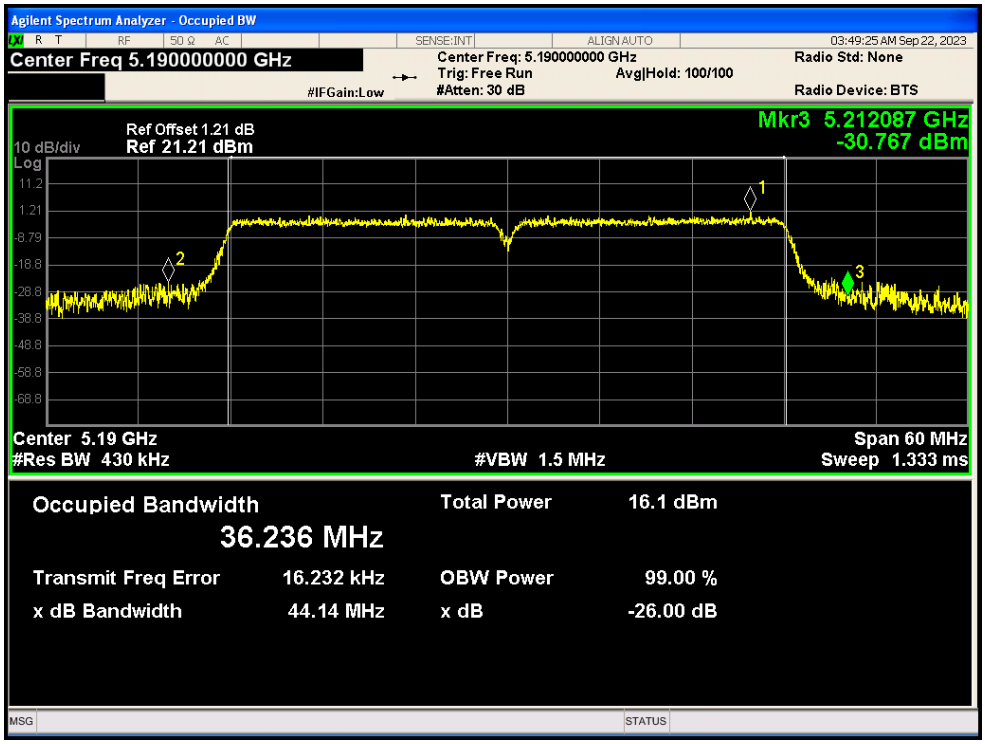
-26dB Bandwidth NVNT n40 5190MHz Ant1



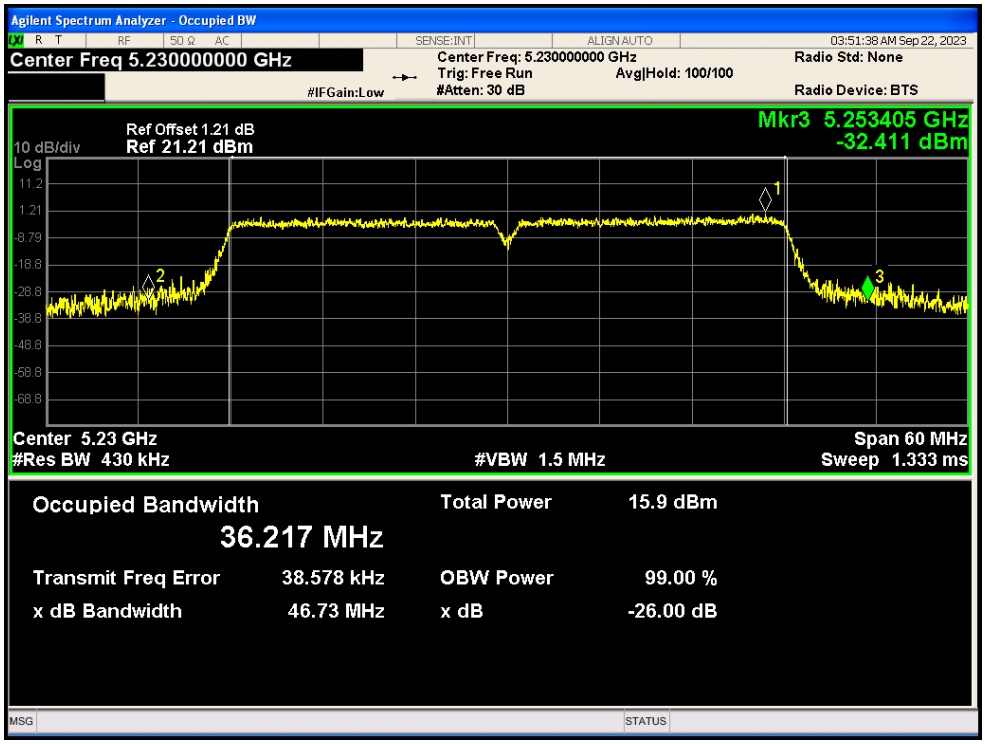
-26dB Bandwidth NVNT n40 5230MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant2



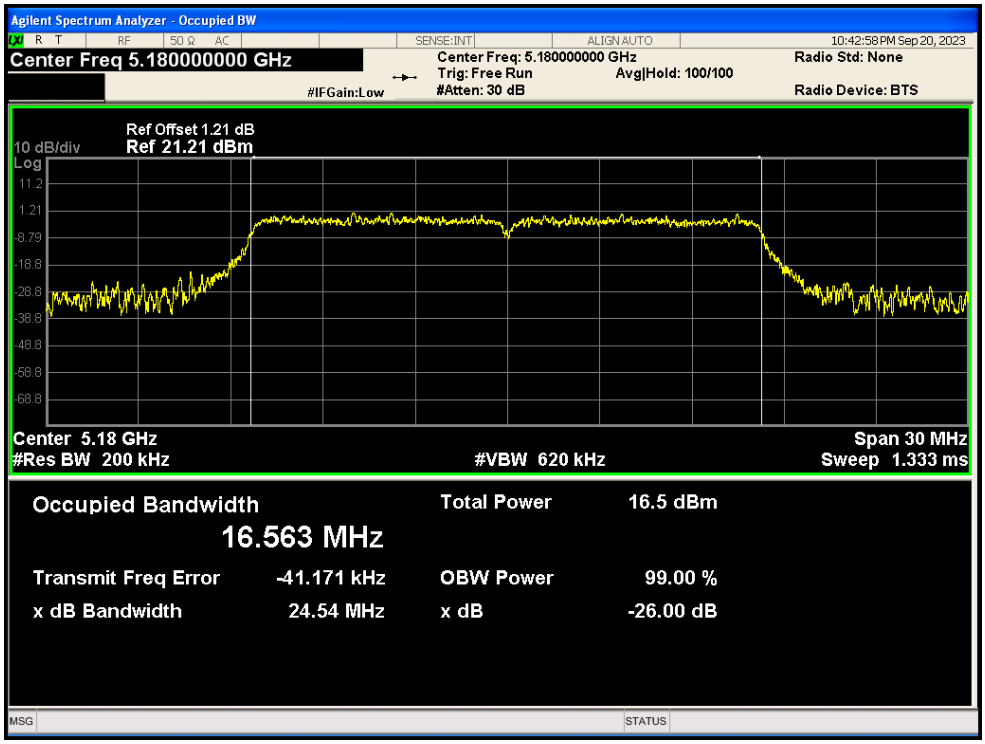
-26dB Bandwidth NVNT n40 5230MHz Ant2



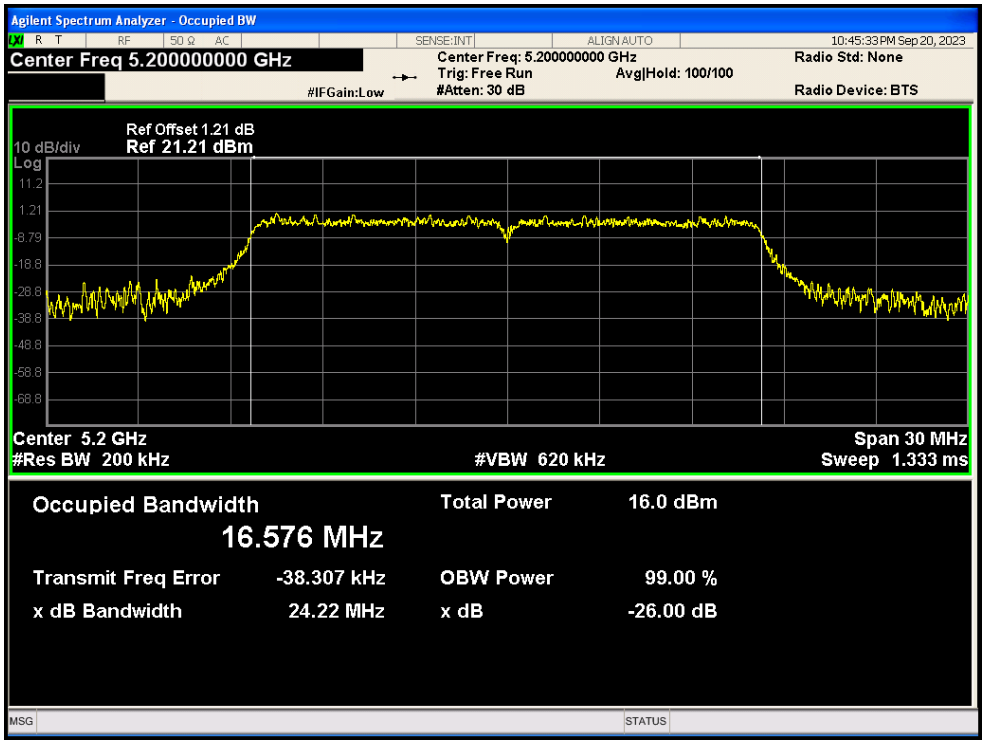
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.563
NVNT	a	5200	Ant1	16.576
NVNT	a	5240	Ant1	16.53
NVNT	a	5180	Ant2	16.551
NVNT	a	5200	Ant2	16.568
NVNT	a	5240	Ant2	16.542
NVNT	ac20	5180	Ant1	17.608
NVNT	ac20	5200	Ant1	17.601
NVNT	ac20	5240	Ant1	17.621
NVNT	ac20	5180	Ant2	17.593
NVNT	ac20	5200	Ant2	17.589
NVNT	ac20	5240	Ant2	17.601
NVNT	ac40	5190	Ant1	36.253
NVNT	ac40	5230	Ant1	36.238
NVNT	ac40	5190	Ant2	36.231
NVNT	ac40	5230	Ant2	36.295
NVNT	ac80	5210	Ant1	75.571
NVNT	ac80	5210	Ant2	75.641
NVNT	n20	5180	Ant1	17.588
NVNT	n20	5200	Ant1	17.583
NVNT	n20	5240	Ant1	17.599
NVNT	n20	5180	Ant2	17.59
NVNT	n20	5200	Ant2	17.594
NVNT	n20	5240	Ant2	17.577
NVNT	n40	5190	Ant1	36.072
NVNT	n40	5230	Ant1	36.21
NVNT	n40	5190	Ant2	36.278
NVNT	n40	5230	Ant2	36.22

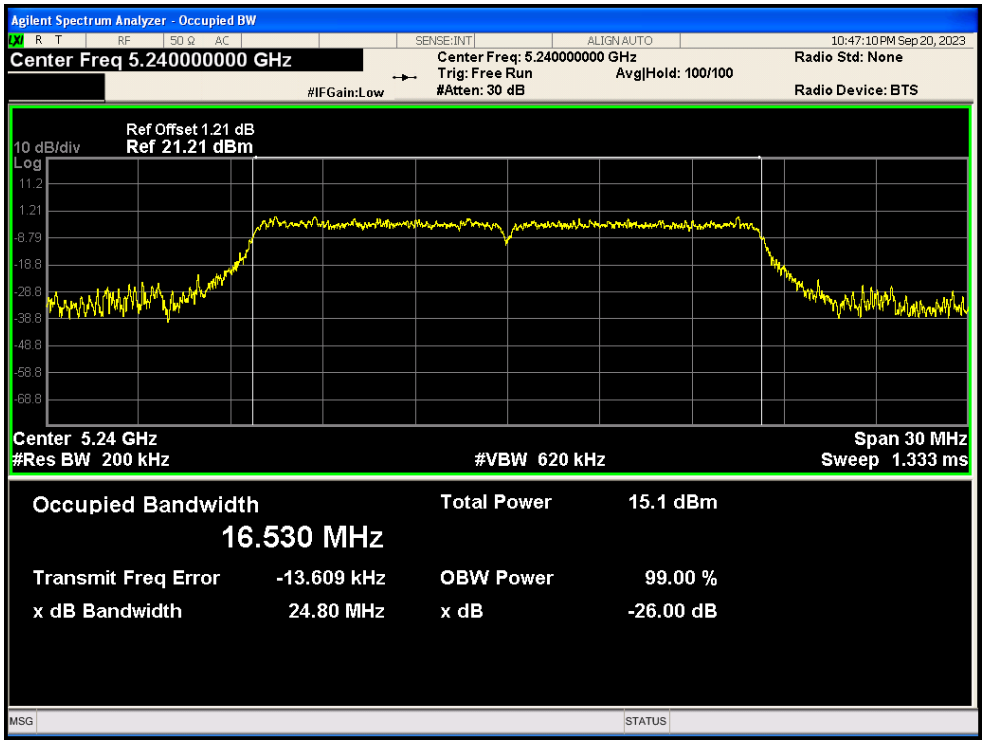
OBW NVNT a 5180MHz Ant1



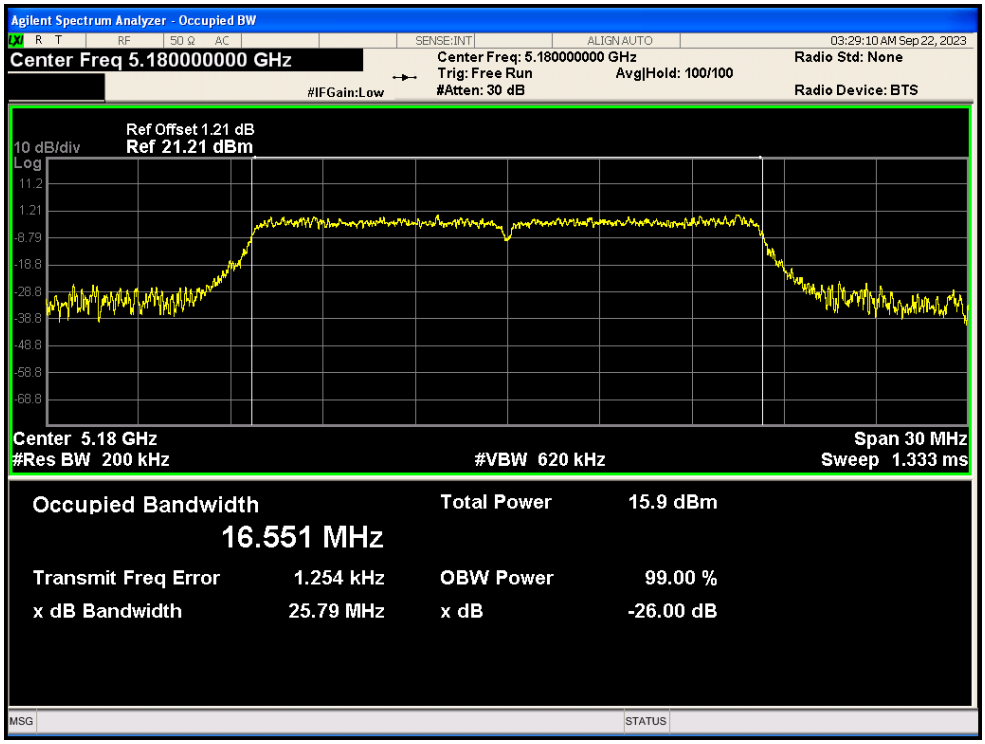
OBW NVNT a 5200MHz Ant1



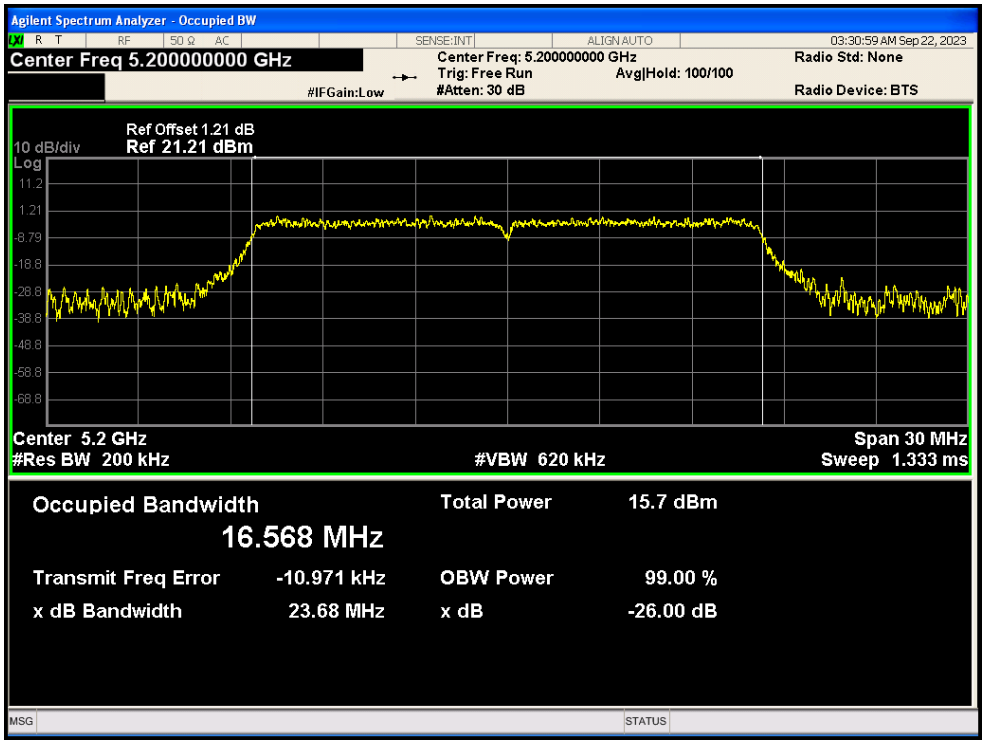
OBW NVNT a 5240MHz Ant1



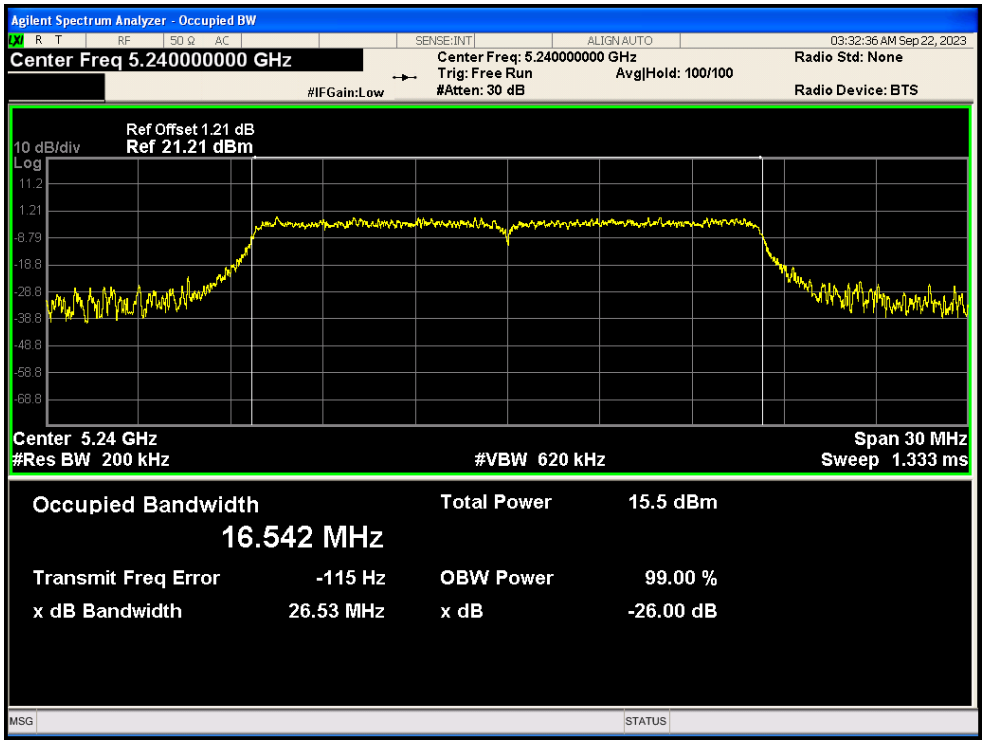
OBW NVNT a 5180MHz Ant2



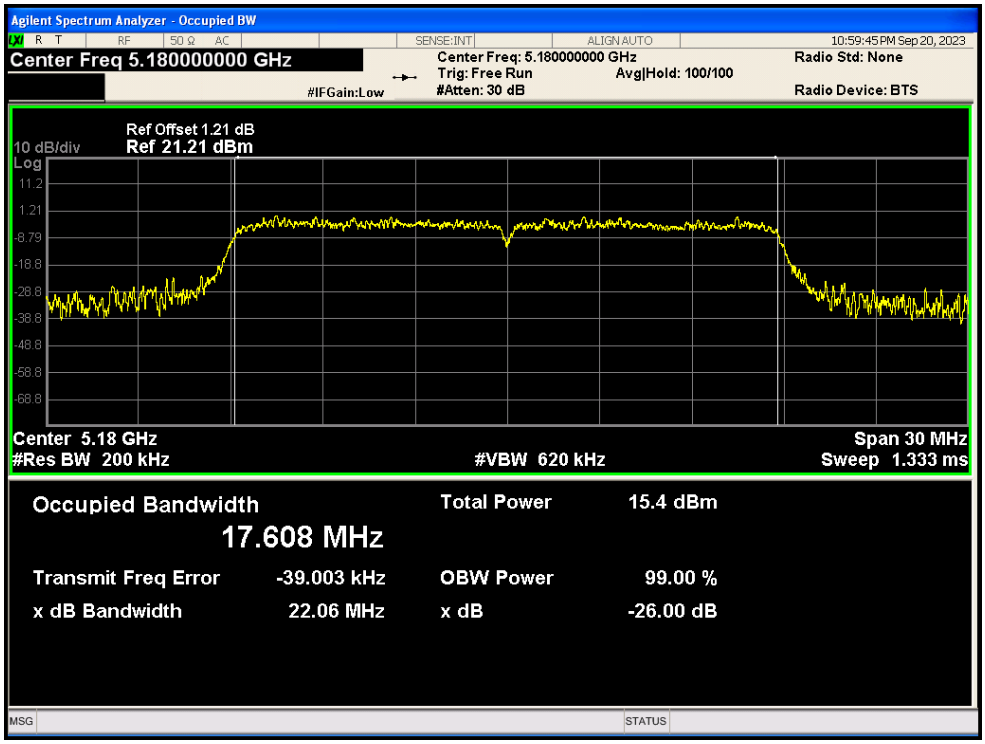
OBW NVNT a 5200MHz Ant2



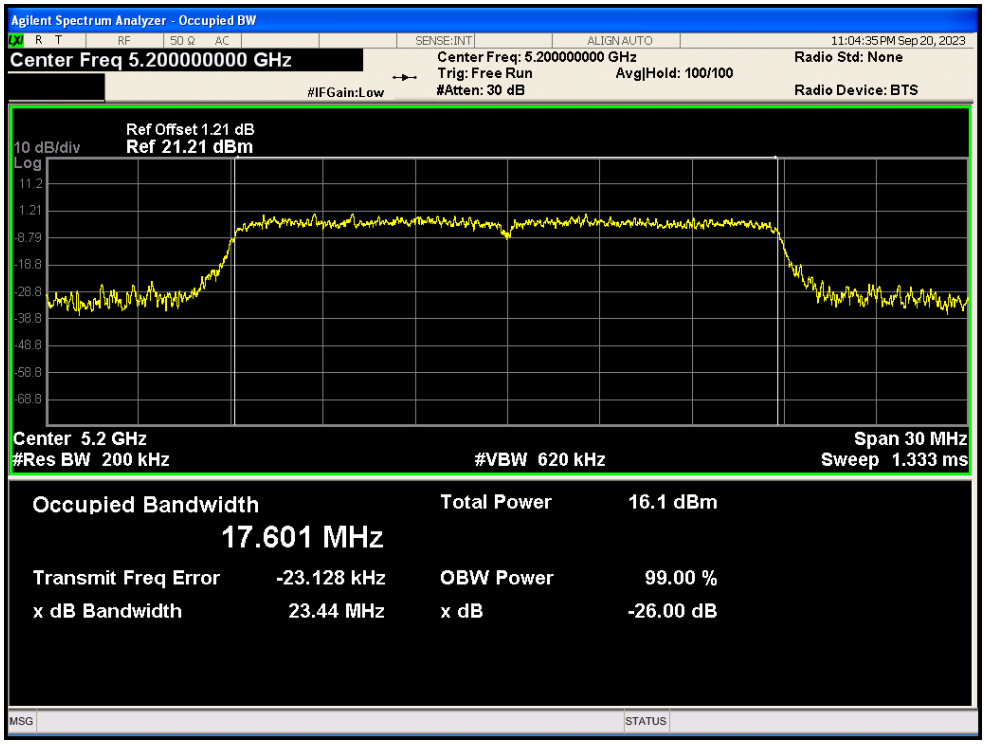
OBW NVNT a 5240MHz Ant2



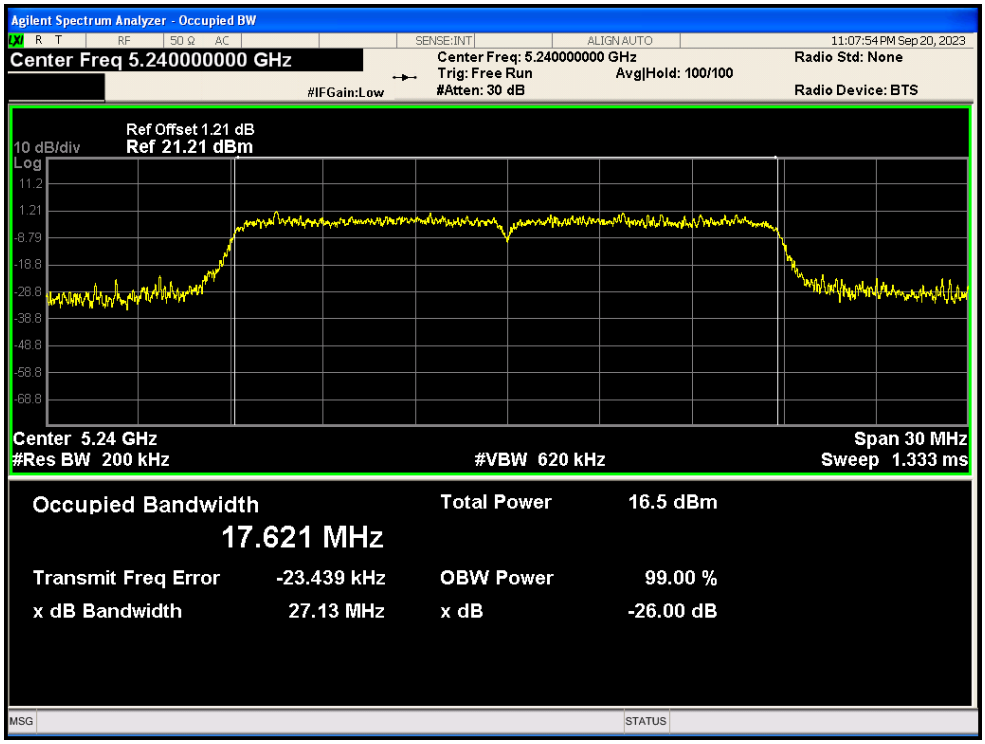
OBW NVNT ac20 5180MHz Ant1



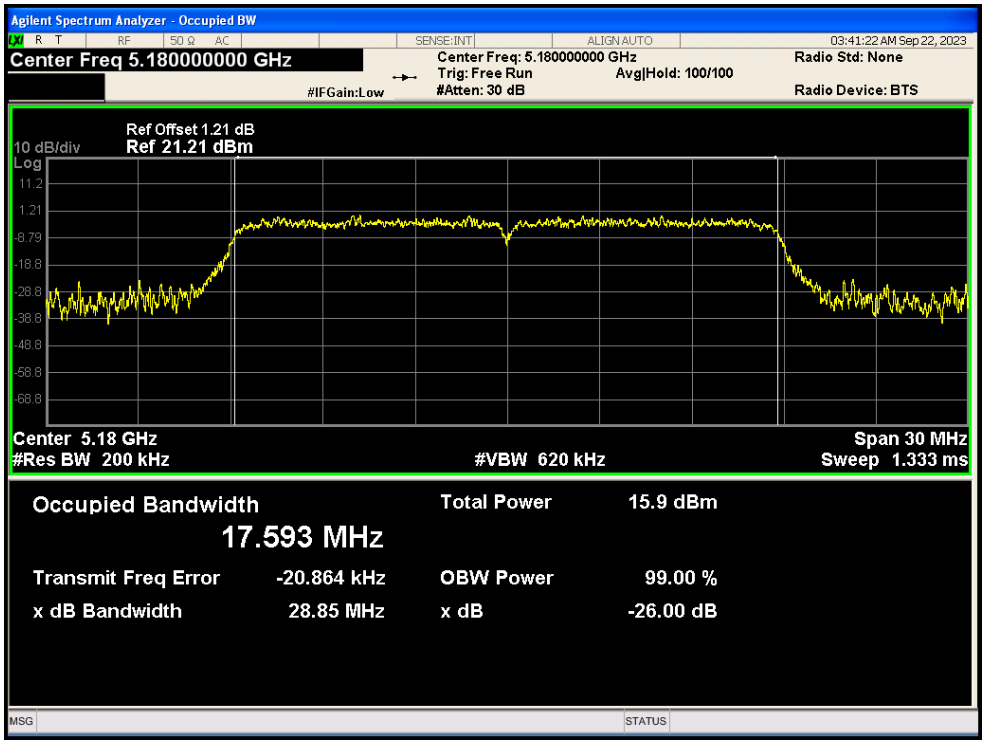
OBW NVNT ac20 5200MHz Ant1



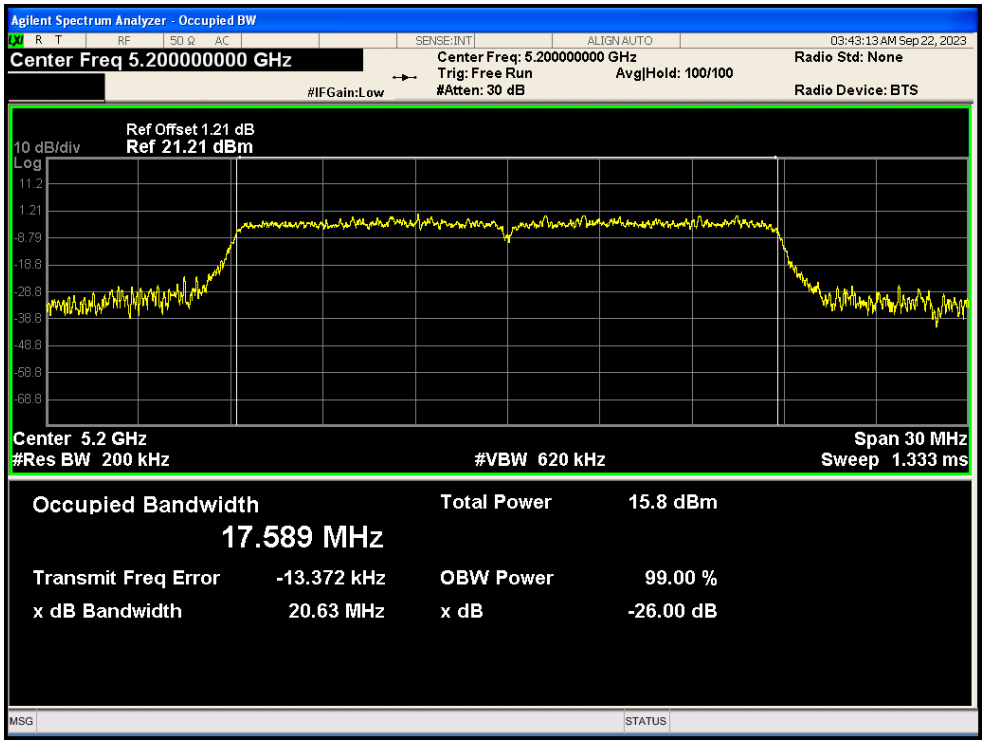
OBW NVNT ac20 5240MHz Ant1



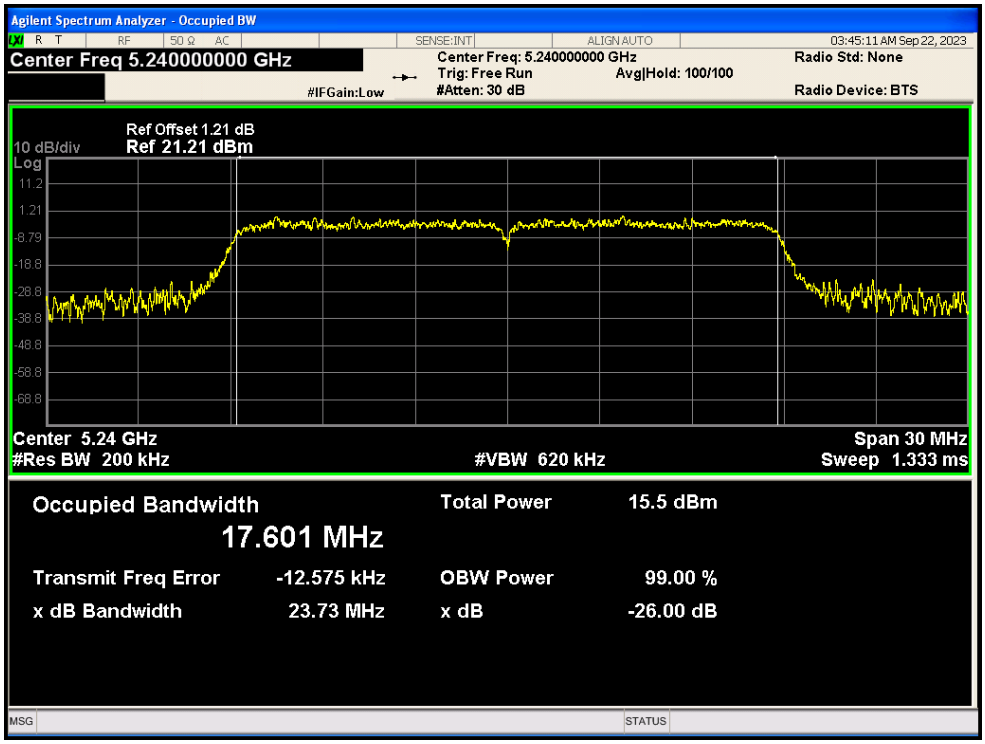
OBW NVNT ac20 5180MHz Ant2



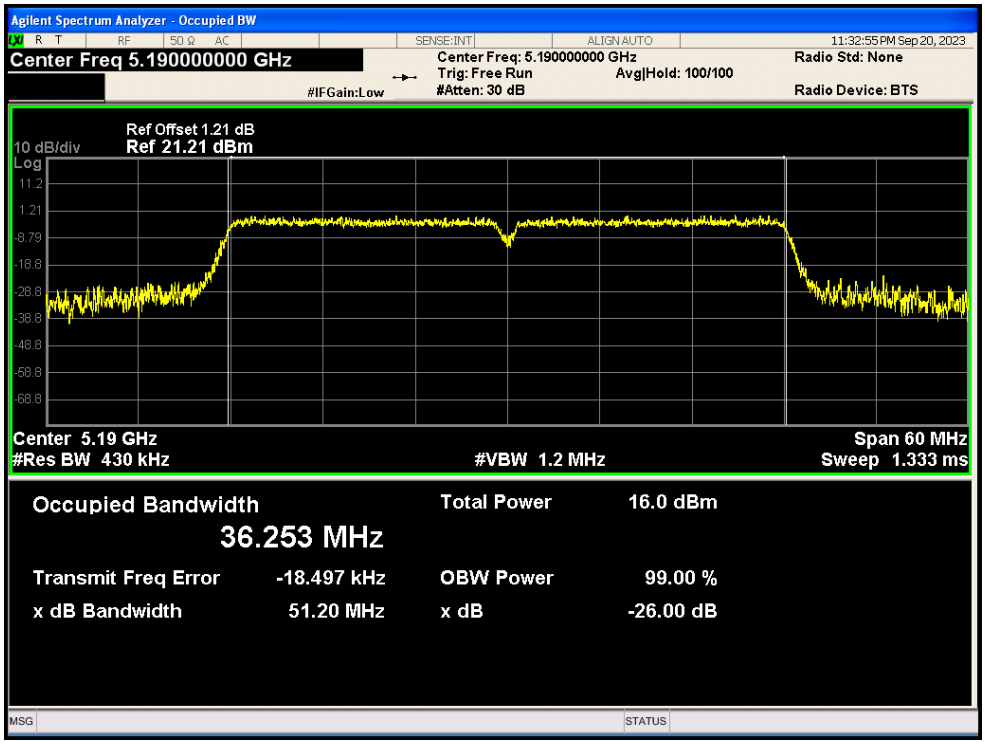
OBW NVNT ac20 5200MHz Ant2



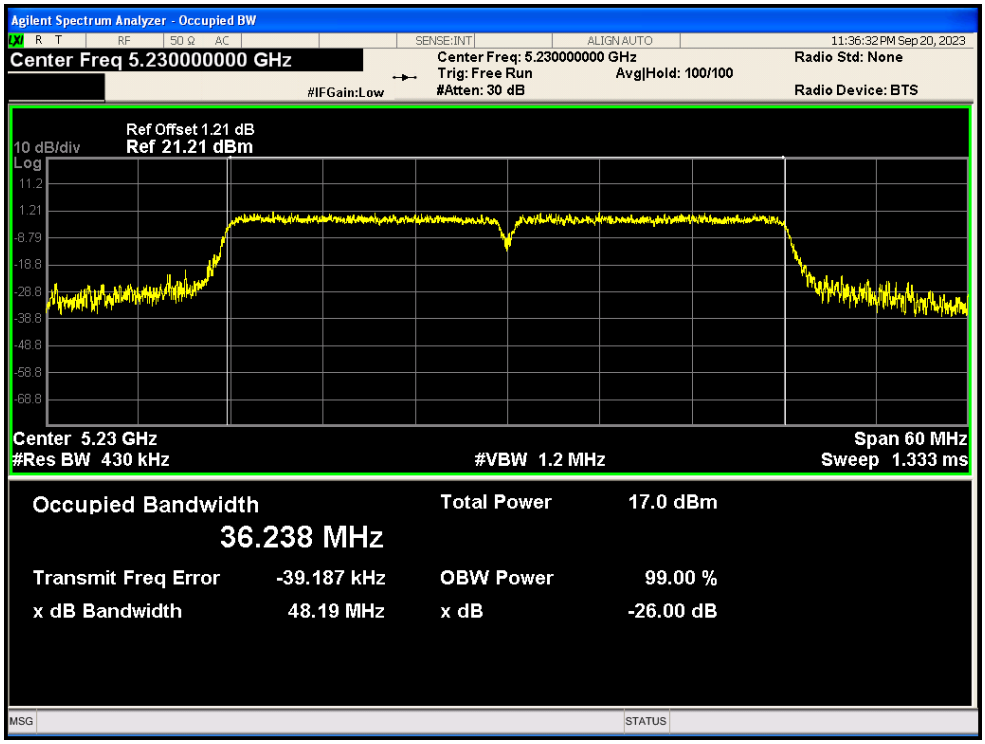
OBW NVNT ac20 5240MHz Ant2



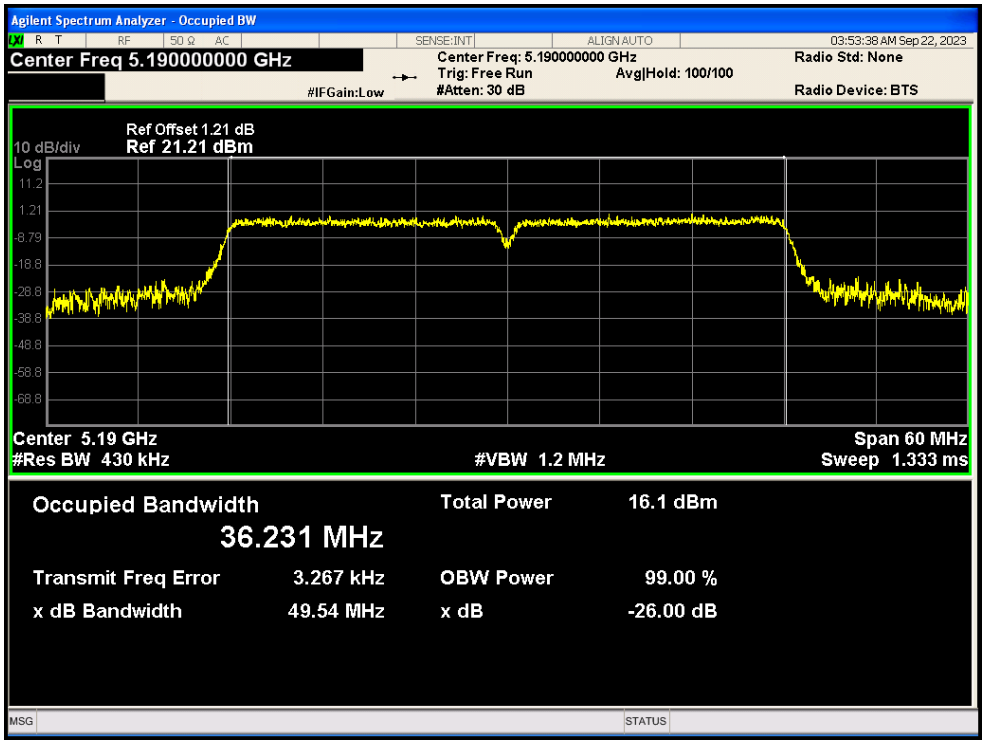
OBW NVNT ac40 5190MHz Ant1



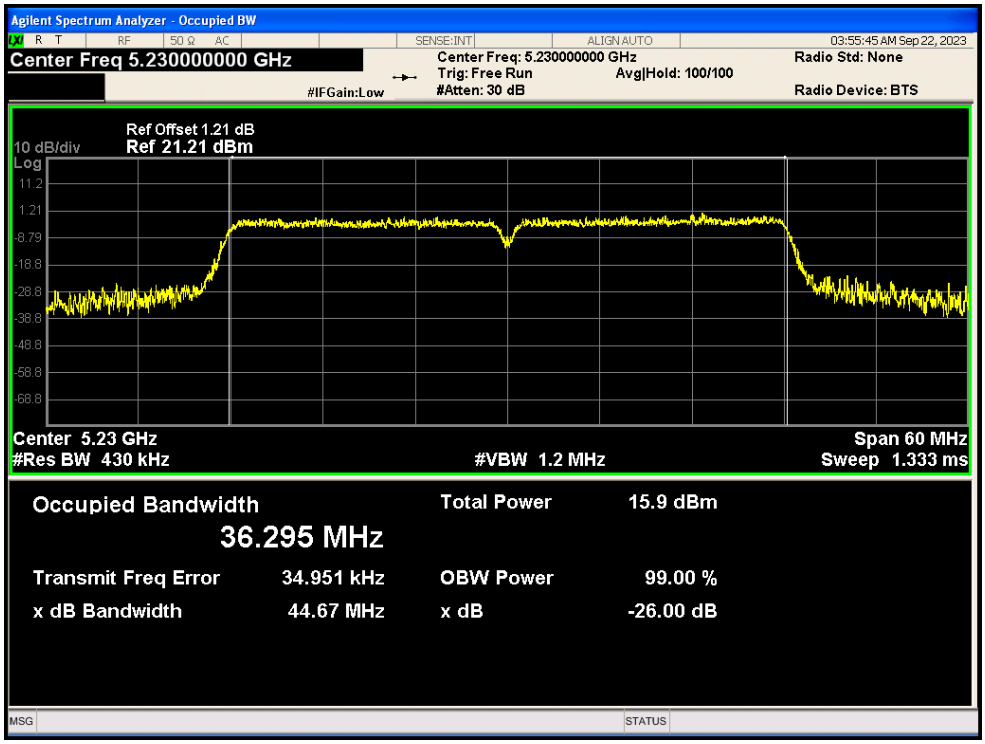
OBW NVNT ac40 5230MHz Ant1



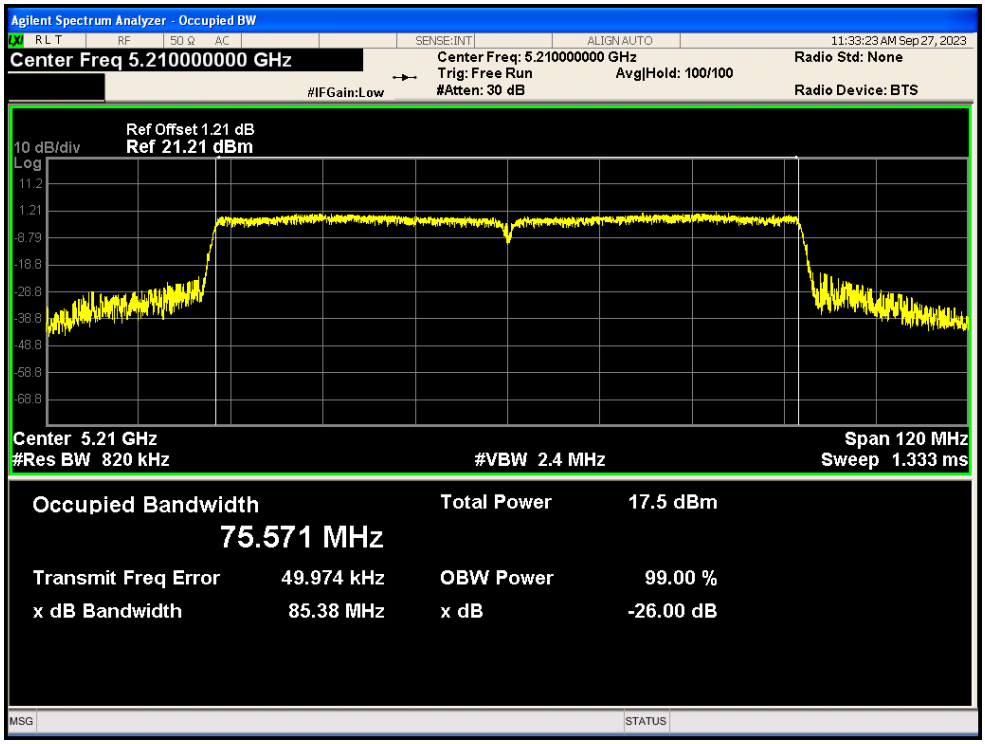
OBW NVNT ac40 5190MHz Ant2



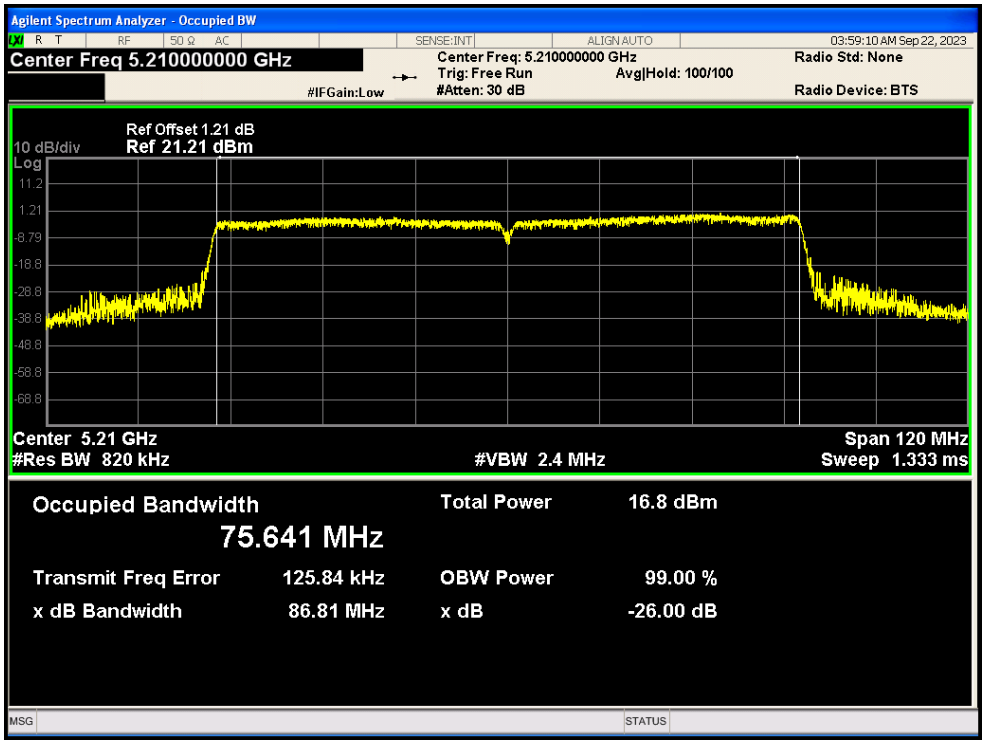
OBW NVNT ac40 5230MHz Ant2



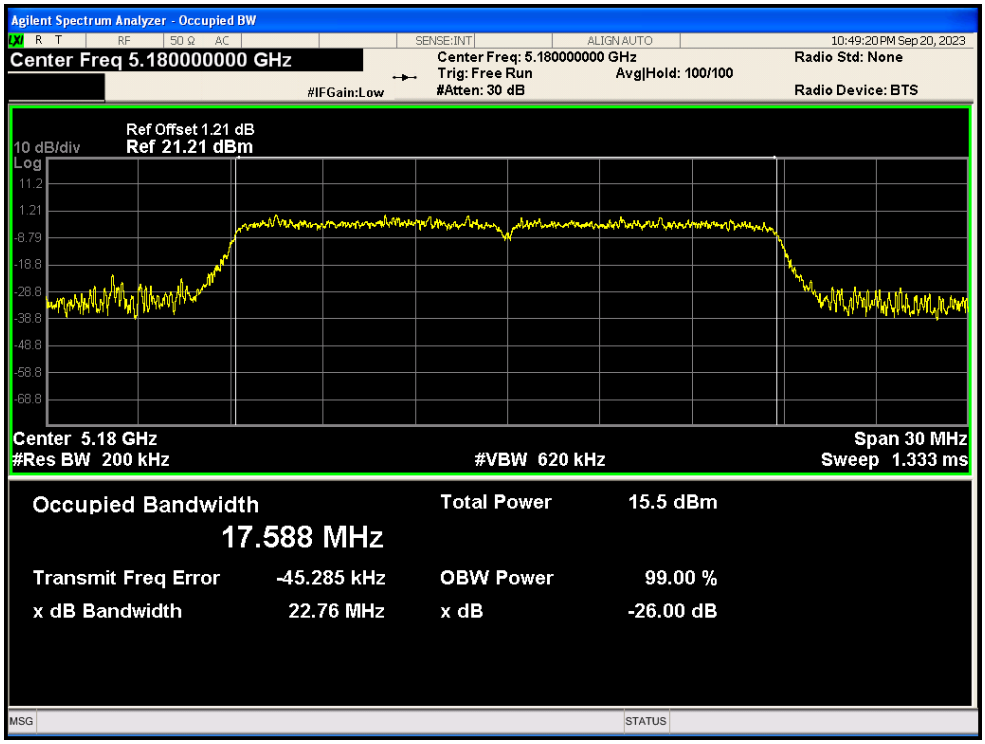
OBW NVNT ac80 5210MHz Ant1



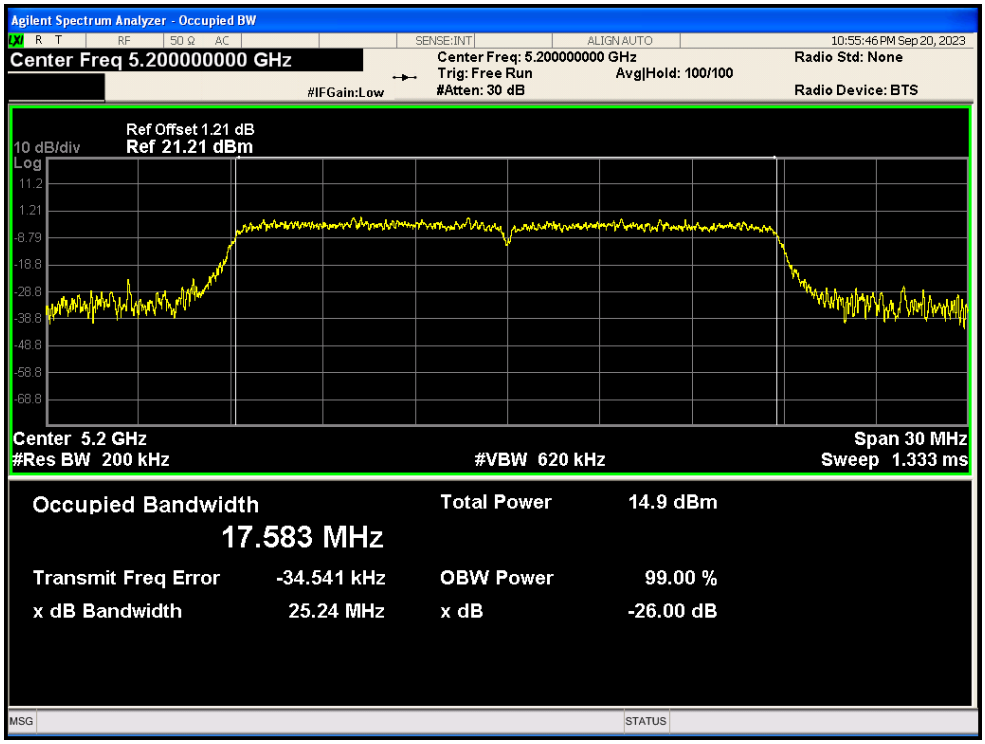
OBW NVNT ac80 5210MHz Ant2



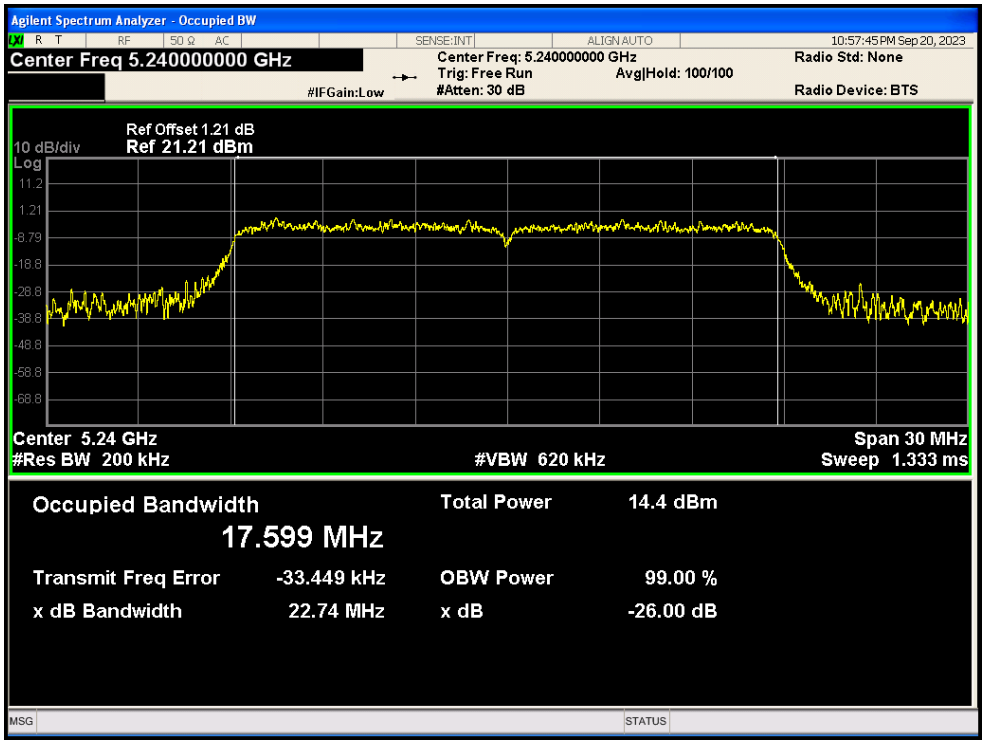
OBW NVNT n20 5180MHz Ant1



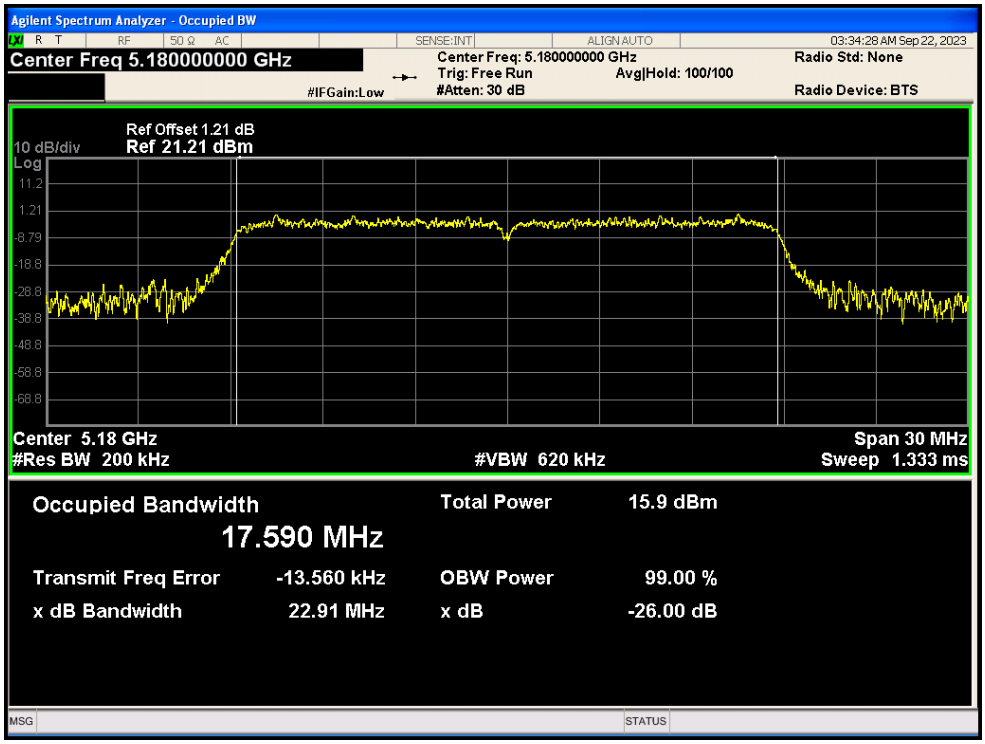
OBW NVNT n20 5200MHz Ant1



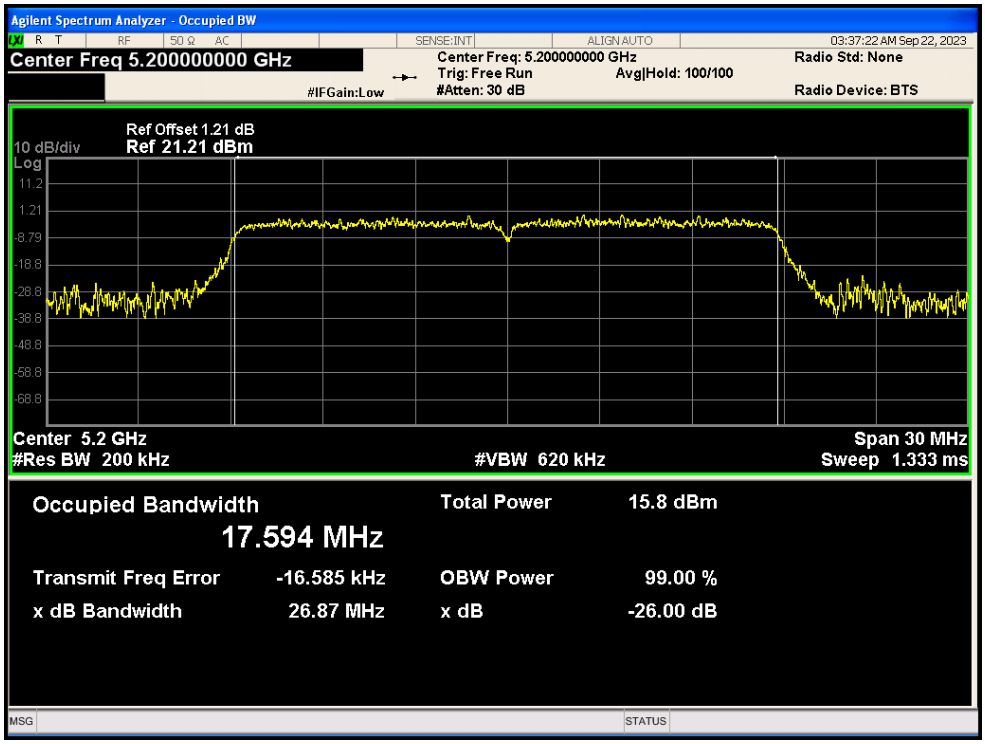
OBW NVNT n20 5240MHz Ant1



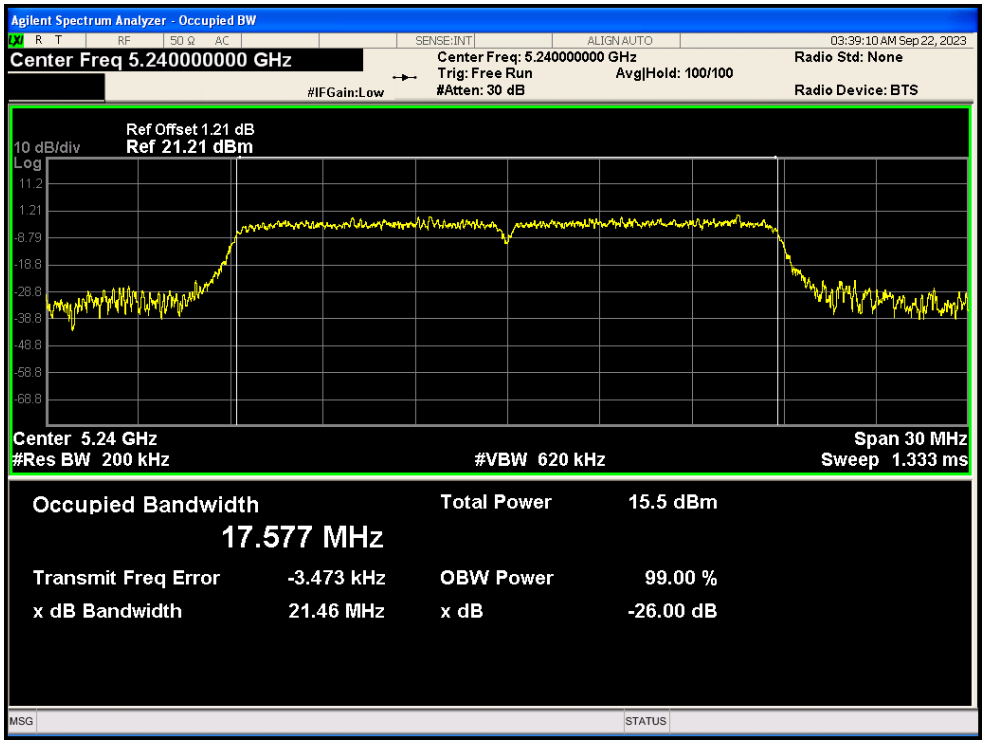
OBW NVNT n20 5180MHz Ant2



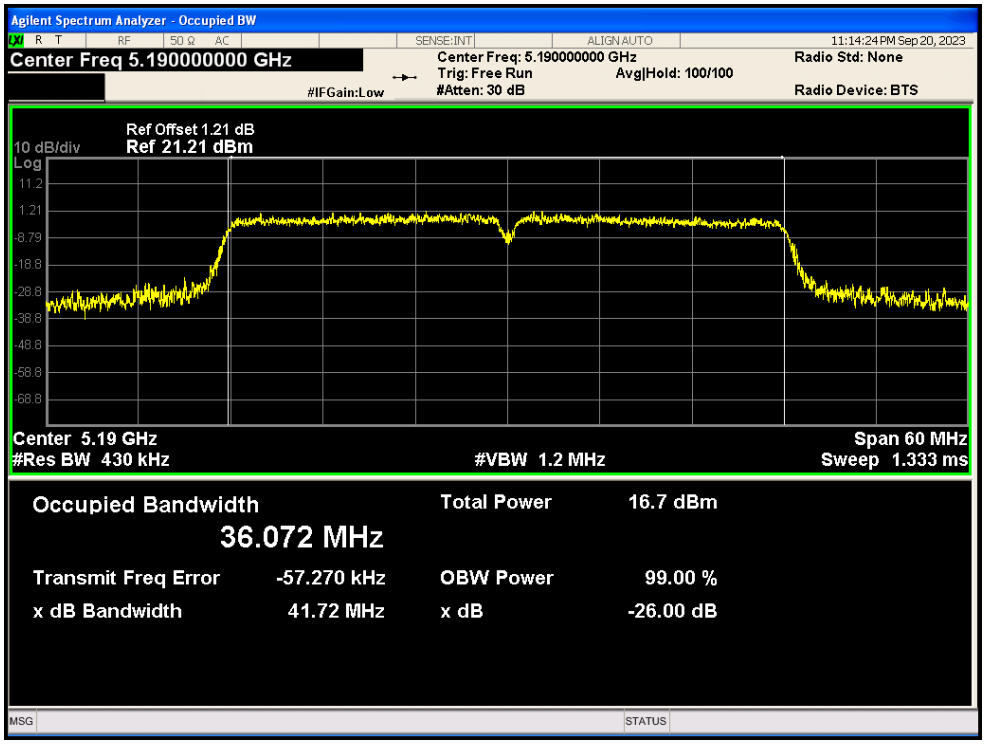
OBW NVNT n20 5200MHz Ant2



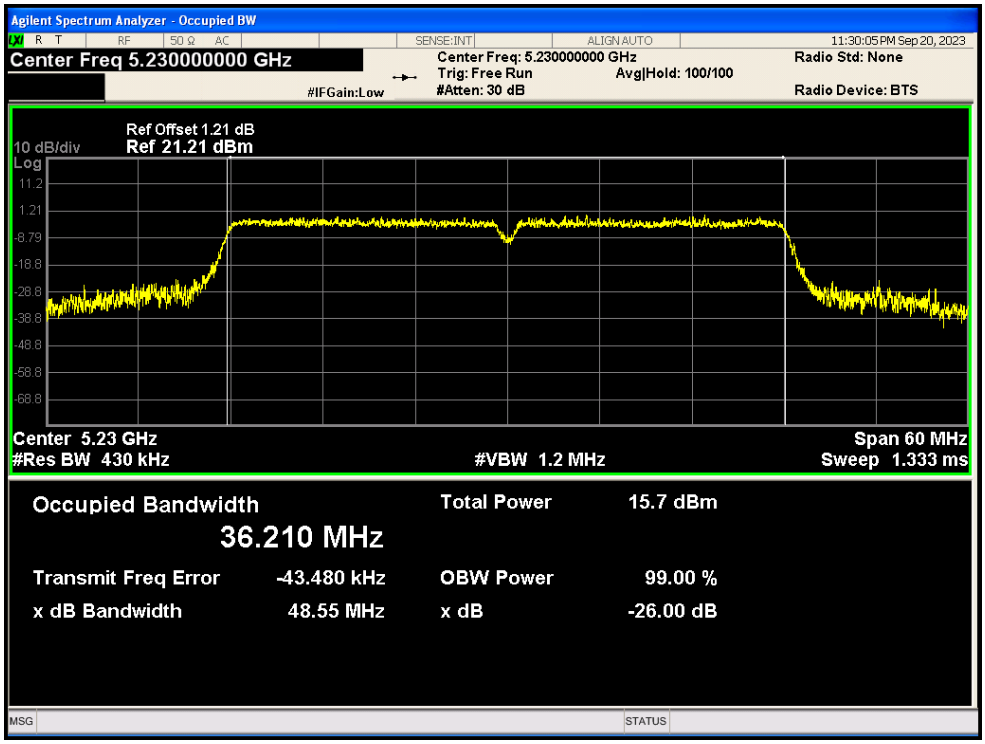
OBW NVNT n20 5240MHz Ant2



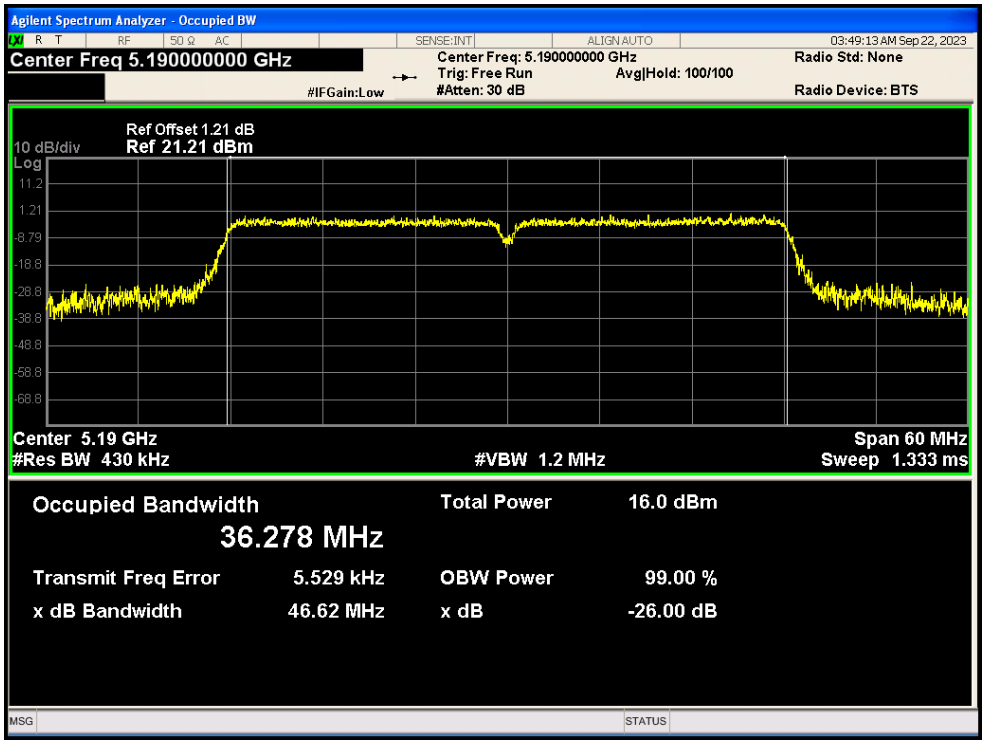
OBW NVNT n40 5190MHz Ant1



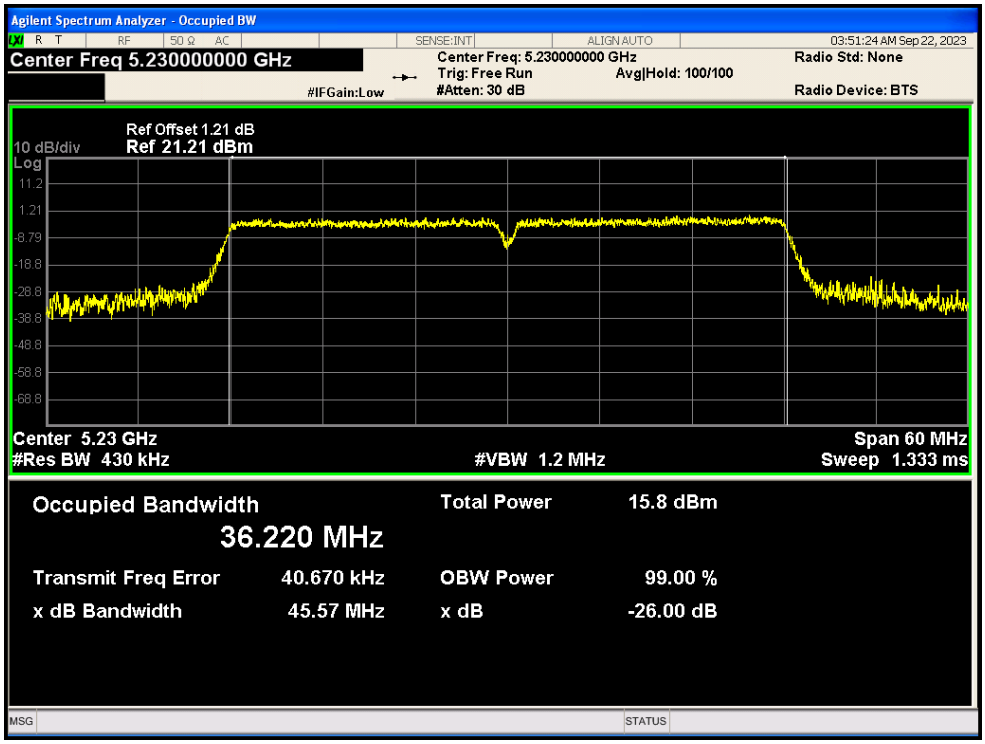
OBW NVNT n40 5230MHz Ant1



OBW NVNT n40 5190MHz Ant2



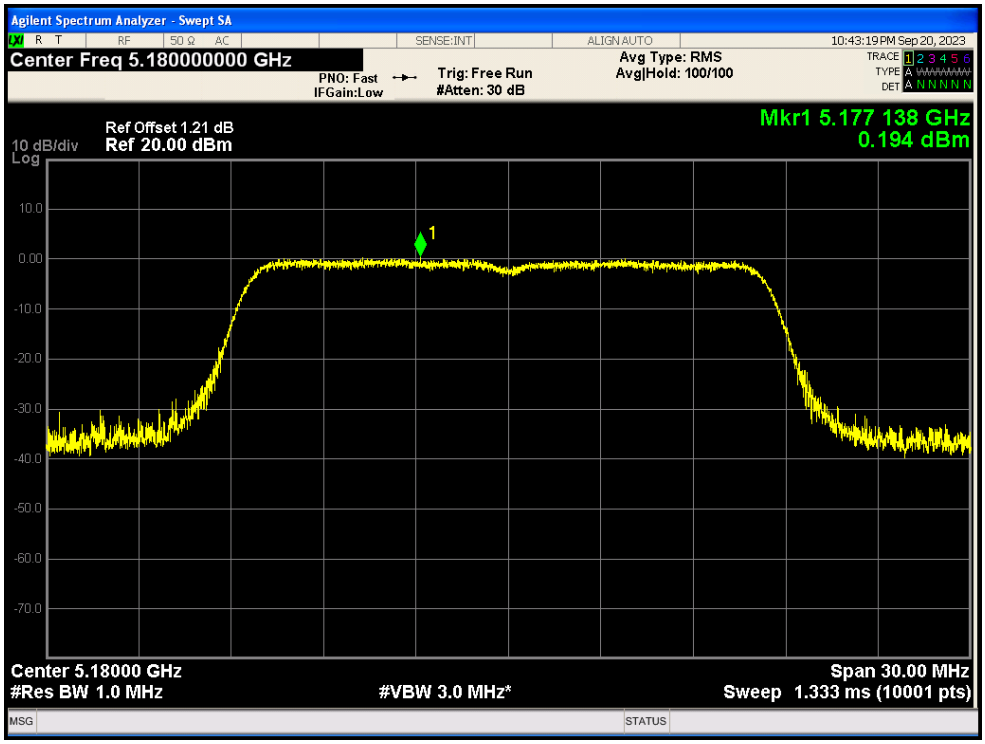
OBW NVNT n40 5230MHz Ant2



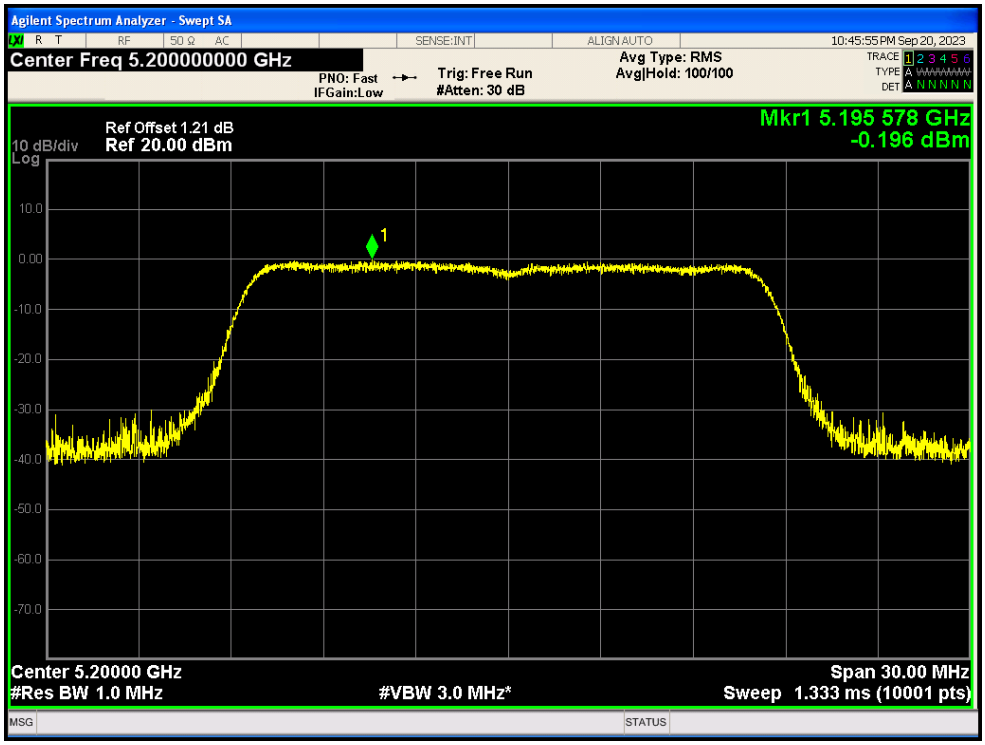
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	0.194	0.1	0.294	11	Pass
NVNT	a	5200	Ant1	-0.196	0.1	-0.096	11	Pass
NVNT	a	5240	Ant1	-0.959	0.1	-0.859	11	Pass
NVNT	a	5180	Ant2	-0.473	0.1	-0.373	11	Pass
NVNT	a	5200	Ant2	-0.348	0.1	-0.248	11	Pass
NVNT	a	5240	Ant2	-0.376	0.1	-0.276	11	Pass
NVNT	ac20	5180	Ant1	-2.016	0.13	-1.886	11	Pass
NVNT	ac20	5200	Ant1	-1.16	0.73	-0.43	11	Pass
NVNT	ac20	5240	Ant1	-1.432	0.12	-1.312	11	Pass
NVNT	ac20	5180	Ant2	-0.645	0.1	-0.545	11	Pass
NVNT	ac20	5200	Ant2	-0.663	0.1	-0.563	11	Pass
NVNT	ac20	5240	Ant2	-0.897	0.1	-0.797	11	Pass
NVNT	ac40	5190	Ant1	-4.178	0.23	-3.948	11	Pass
NVNT	ac40	5230	Ant1	-3.474	0.21	-3.264	11	Pass
NVNT	ac40	5190	Ant2	-3.225	0.21	-3.015	11	Pass
NVNT	ac40	5230	Ant2	-3.525	0.21	-3.315	11	Pass
NVNT	ac80	5210	Ant1	-5.899	0.38	-5.519	11	Pass
NVNT	ac80	5210	Ant2	-5.818	0.37	-5.448	11	Pass
NVNT	n20	5180	Ant1	-0.913	0.1	-0.813	11	Pass
NVNT	n20	5200	Ant1	0.397	0.1	0.497	11	Pass
NVNT	n20	5240	Ant1	0.335	0.1	0.435	11	Pass
NVNT	n20	5180	Ant2	-0.657	0.1	-0.557	11	Pass
NVNT	n20	5200	Ant2	-0.562	0.1	-0.462	11	Pass
NVNT	n20	5240	Ant2	-0.781	0.1	-0.681	11	Pass
NVNT	n40	5190	Ant1	-5.299	0.23	-5.069	11	Pass
NVNT	n40	5230	Ant1	-5.02	0.21	-4.81	11	Pass
NVNT	n40	5190	Ant2	-3.822	0.2	-3.622	11	Pass
NVNT	n40	5230	Ant2	-3.763	0.21	-3.553	11	Pass

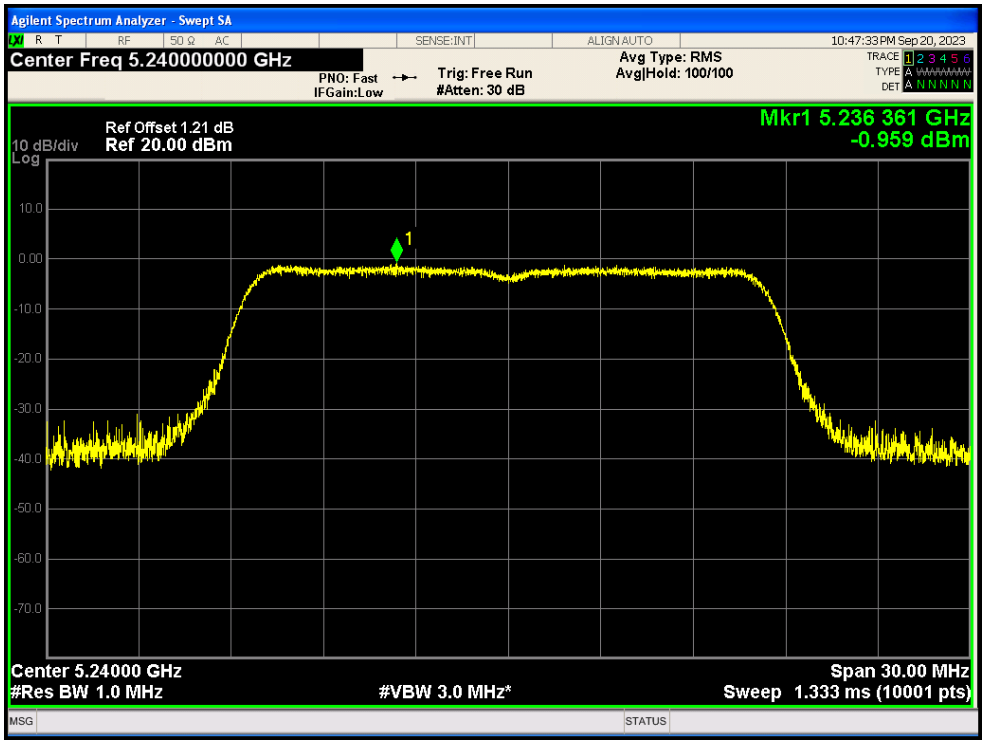
PSD NVNT a 5180MHz Ant1



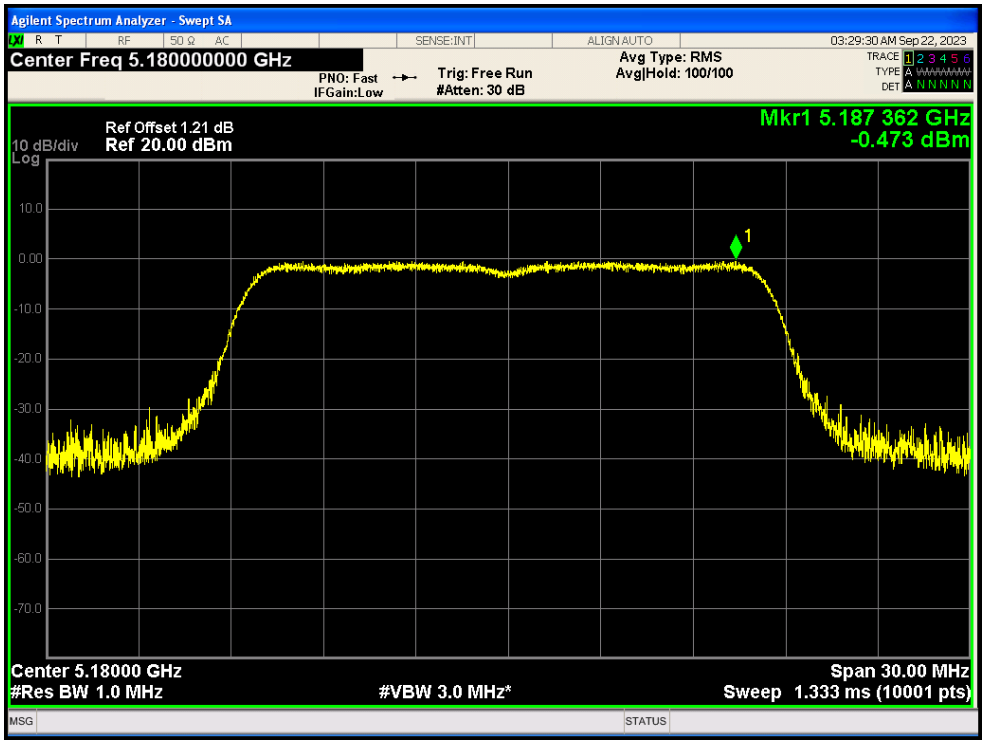
PSD NVNT a 5200MHz Ant1



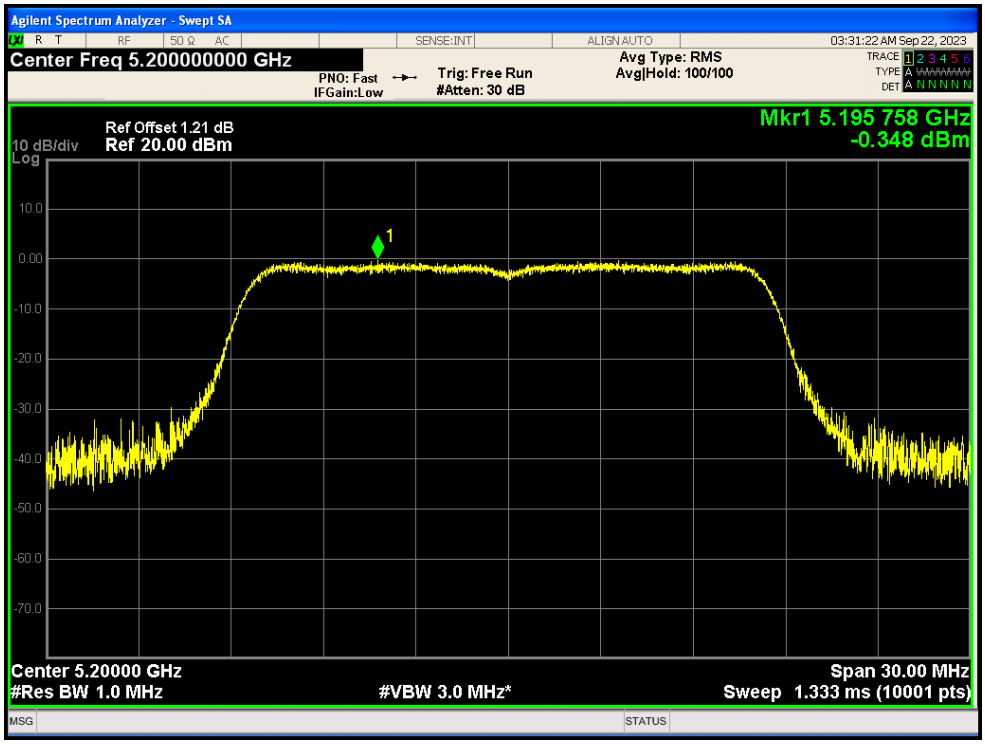
PSD NVNT a 5240MHz Ant1



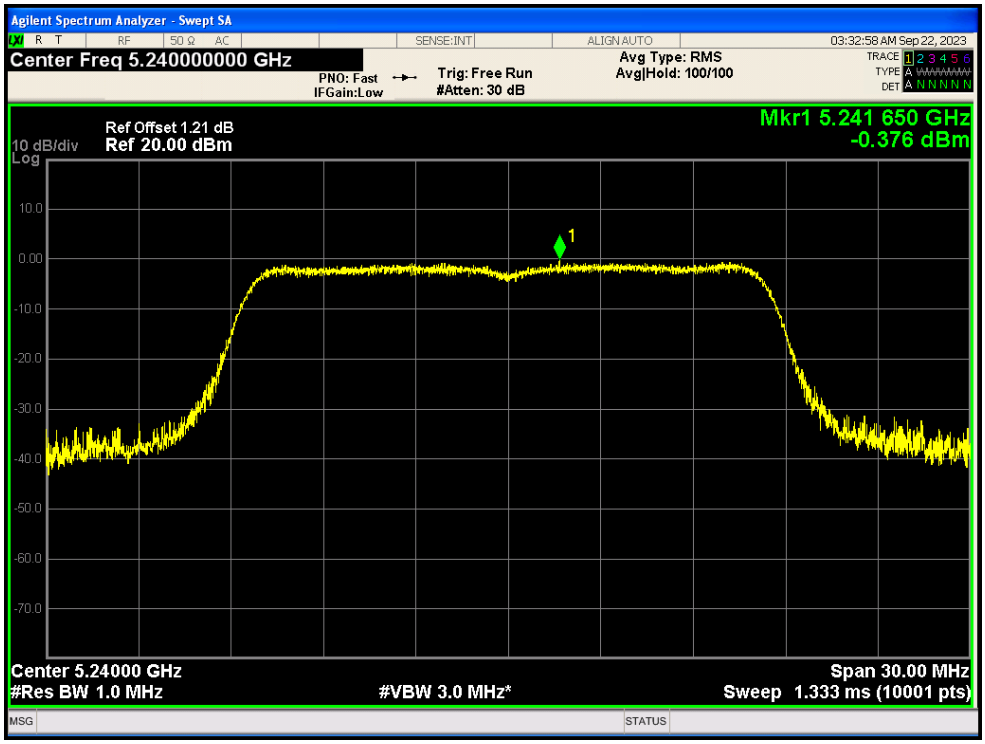
PSD NVNT a 5180MHz Ant2



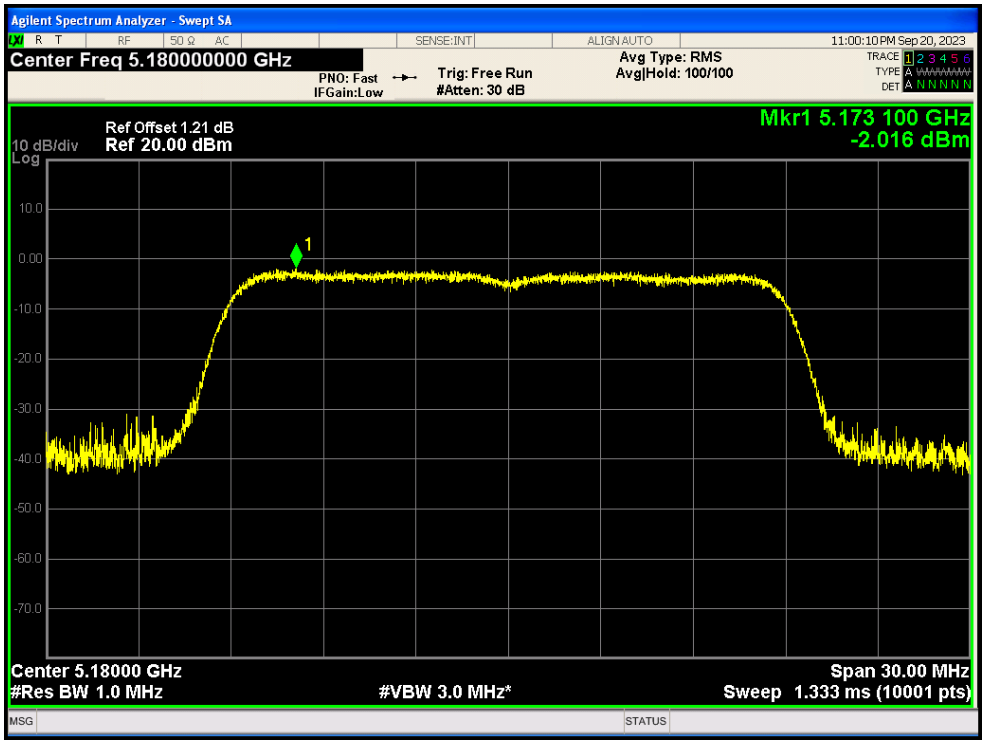
PSD NVNT a 5200MHz Ant2



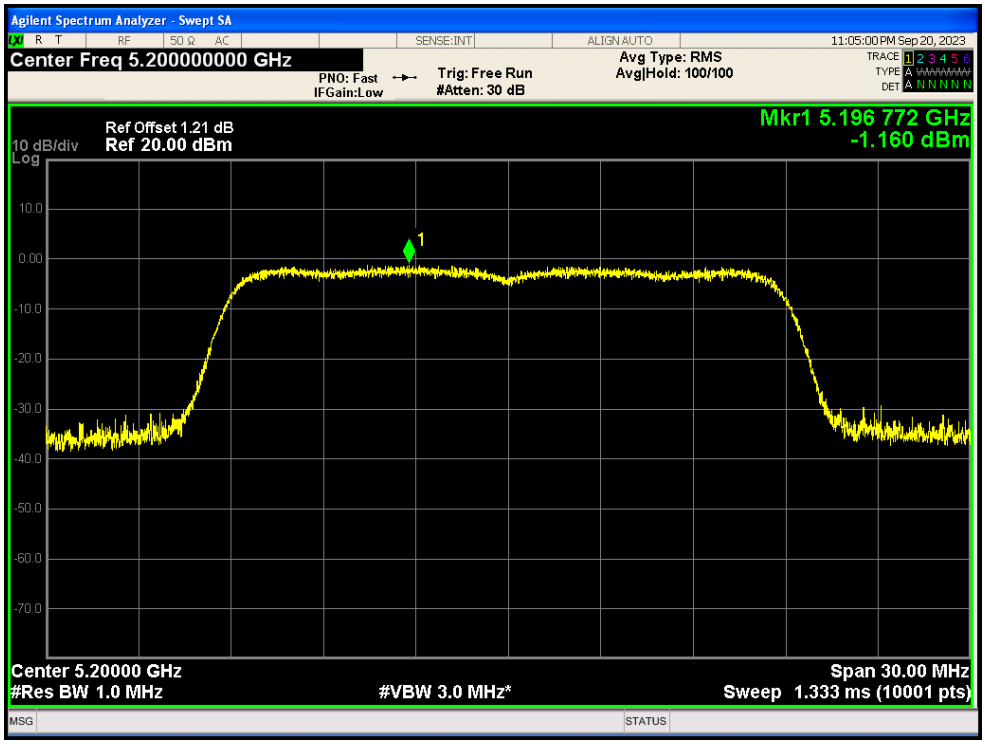
PSD NVNT a 5240MHz Ant2



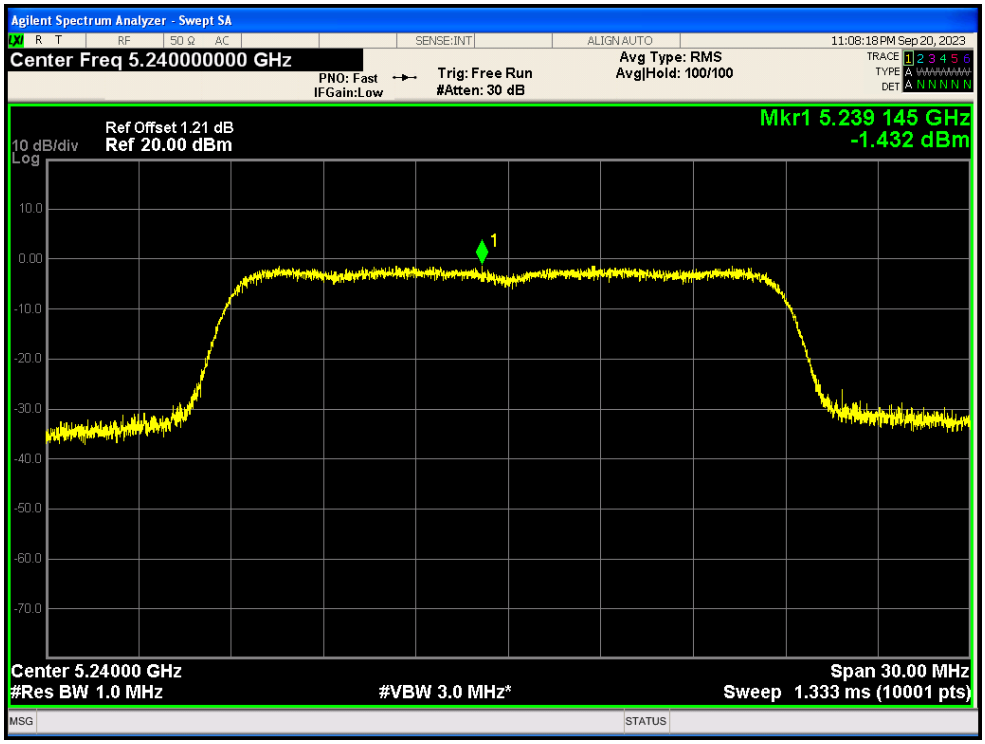
PSD NVNT ac20 5180MHz Ant1



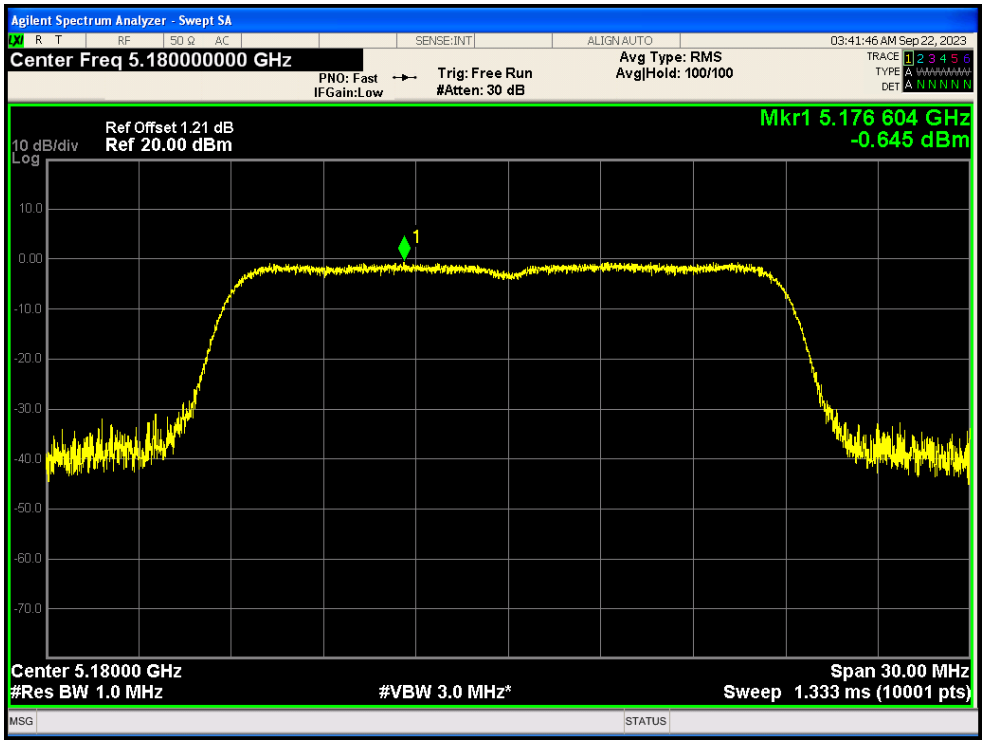
PSD NVNT ac20 5200MHz Ant1



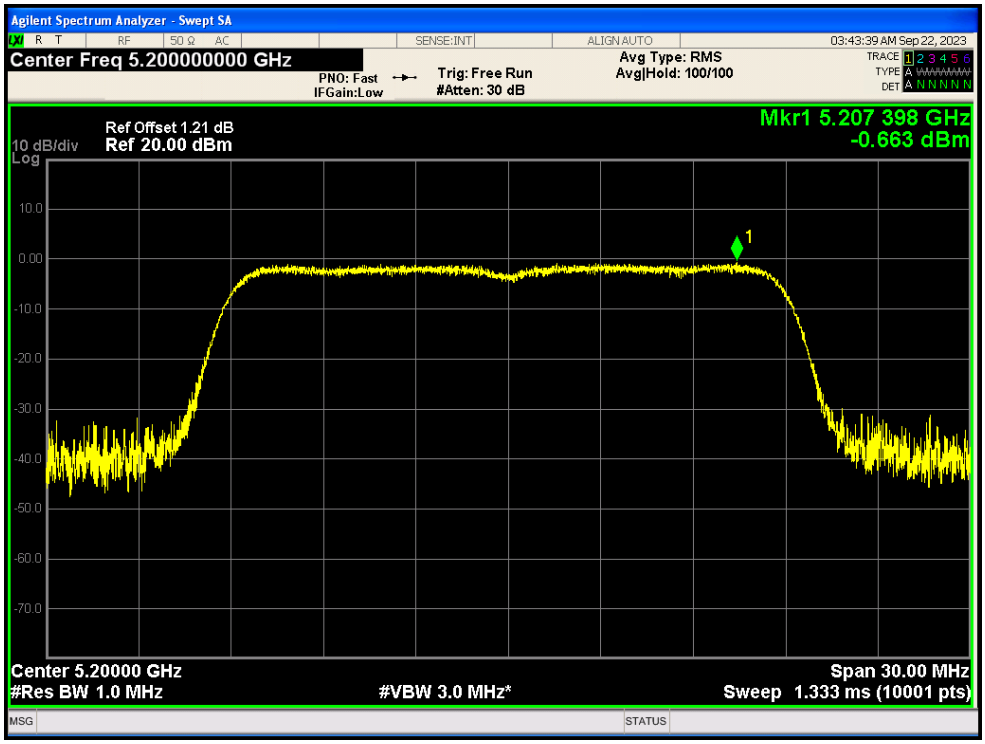
PSD NVNT ac20 5240MHz Ant1



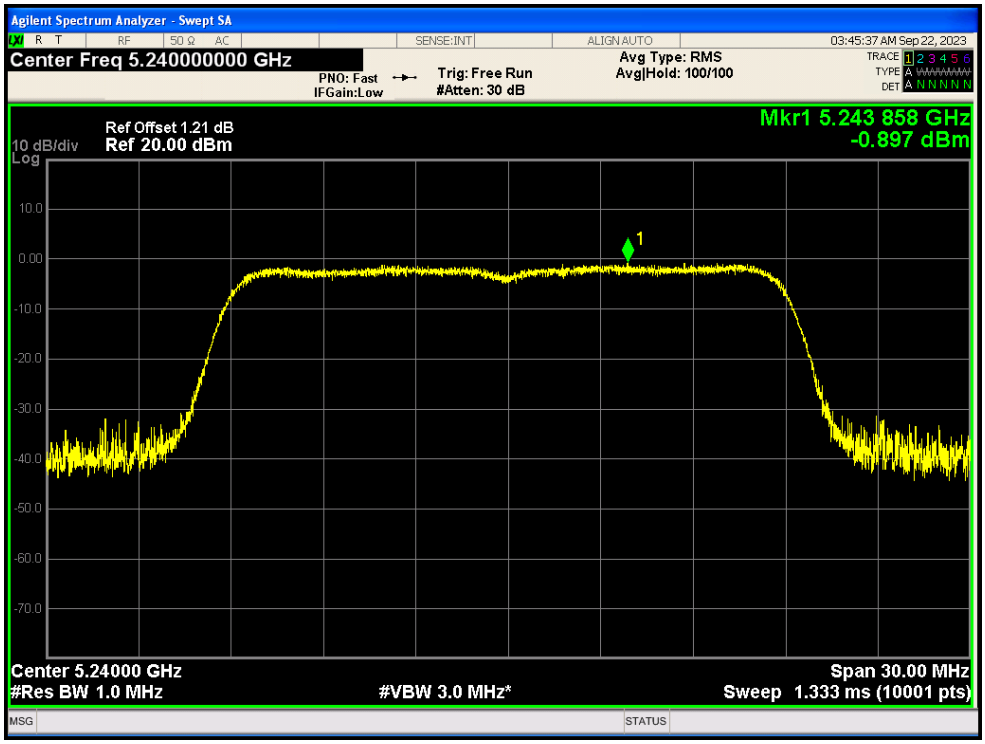
PSD NVNT ac20 5180MHz Ant2



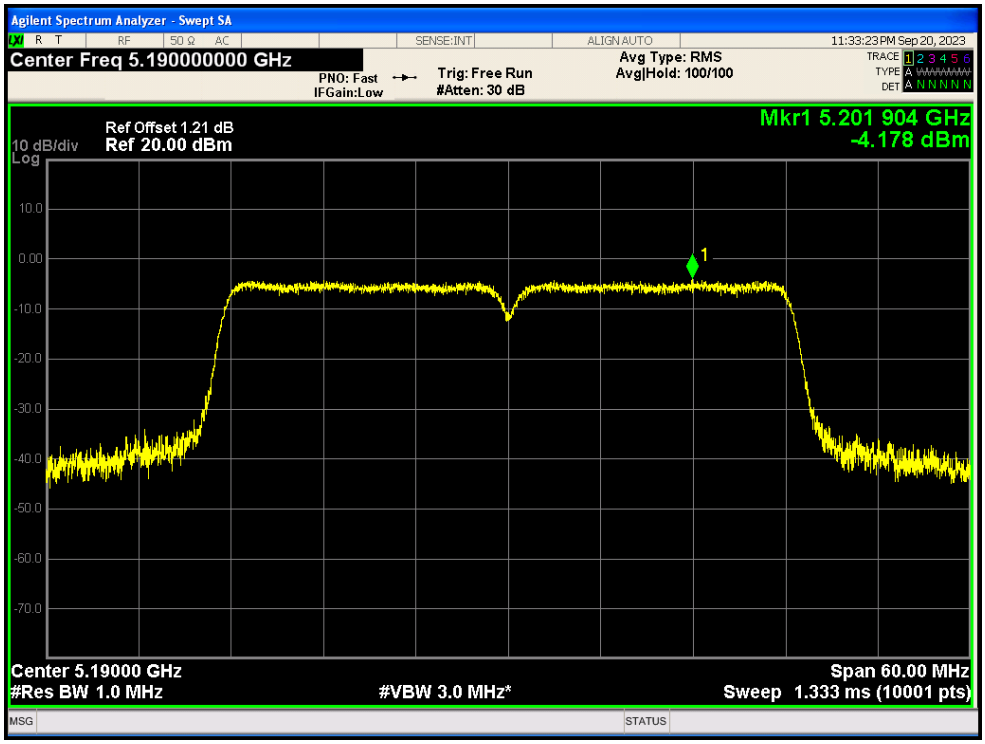
PSD NVNT ac20 5200MHz Ant2



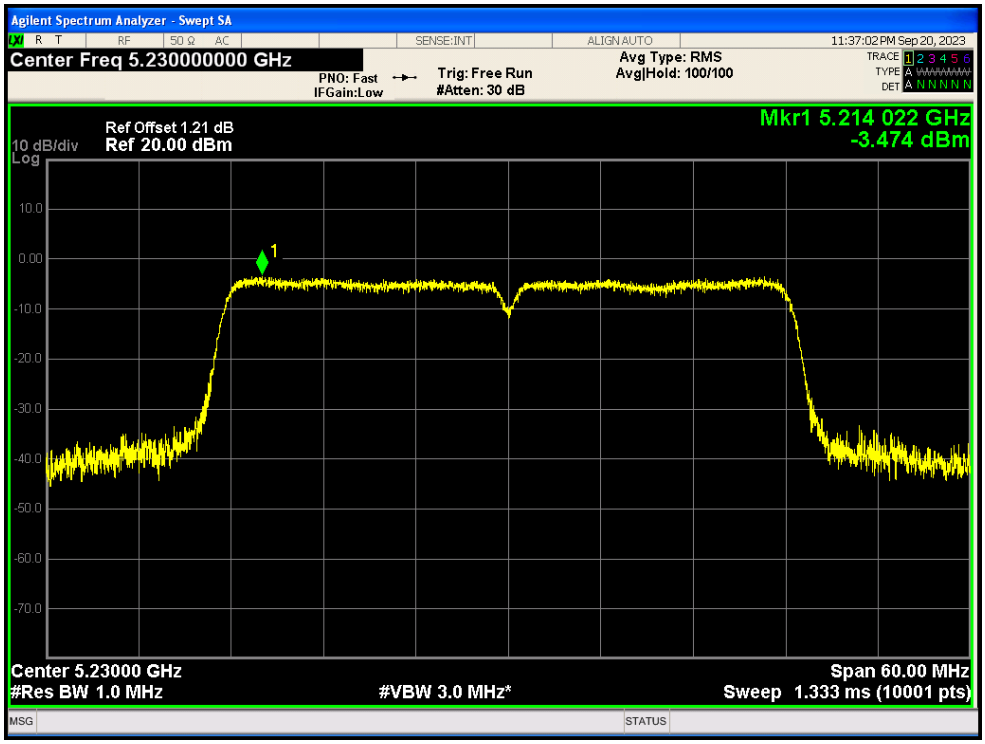
PSD NVNT ac20 5240MHz Ant2



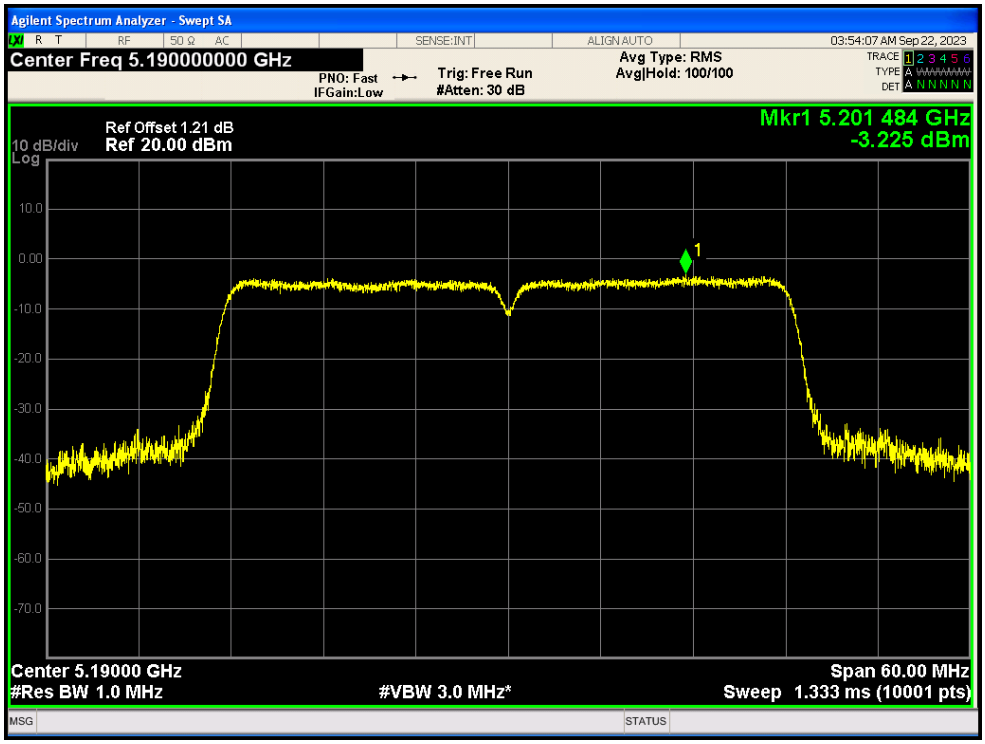
PSD NVNT ac40 5190MHz Ant1



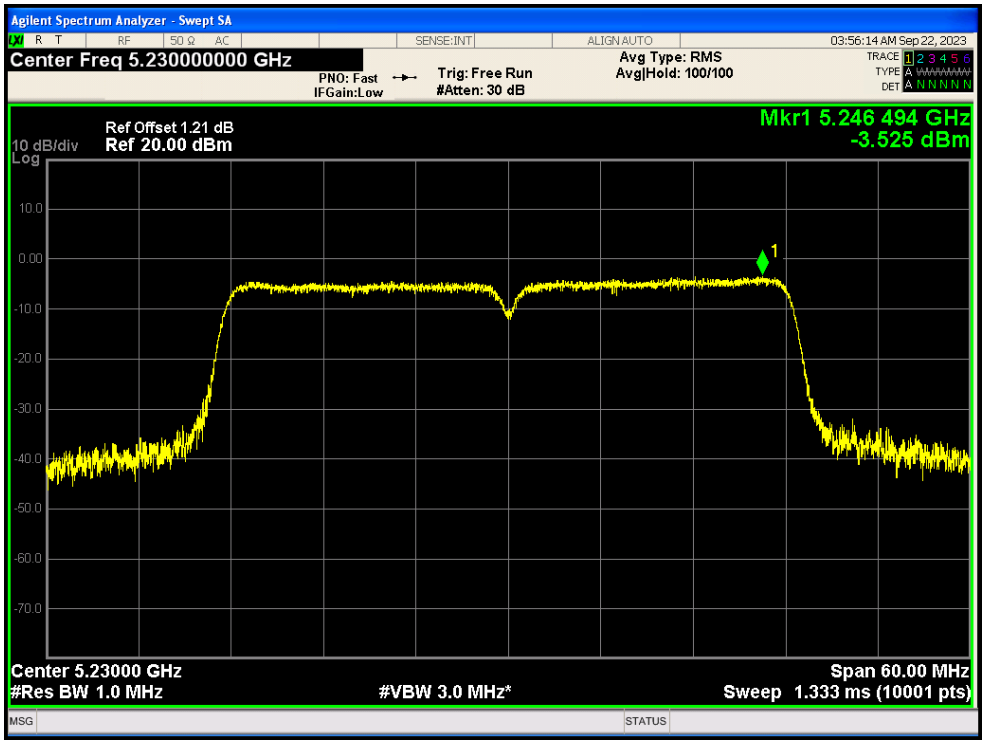
PSD NVNT ac40 5230MHz Ant1



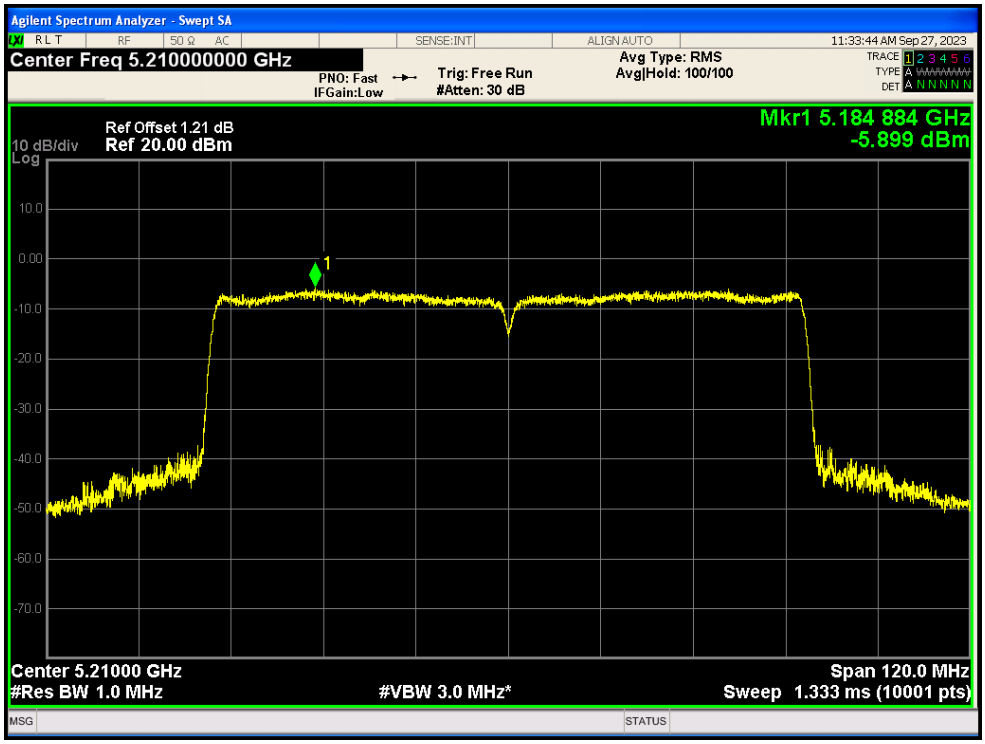
PSD NVNT ac40 5190MHz Ant2



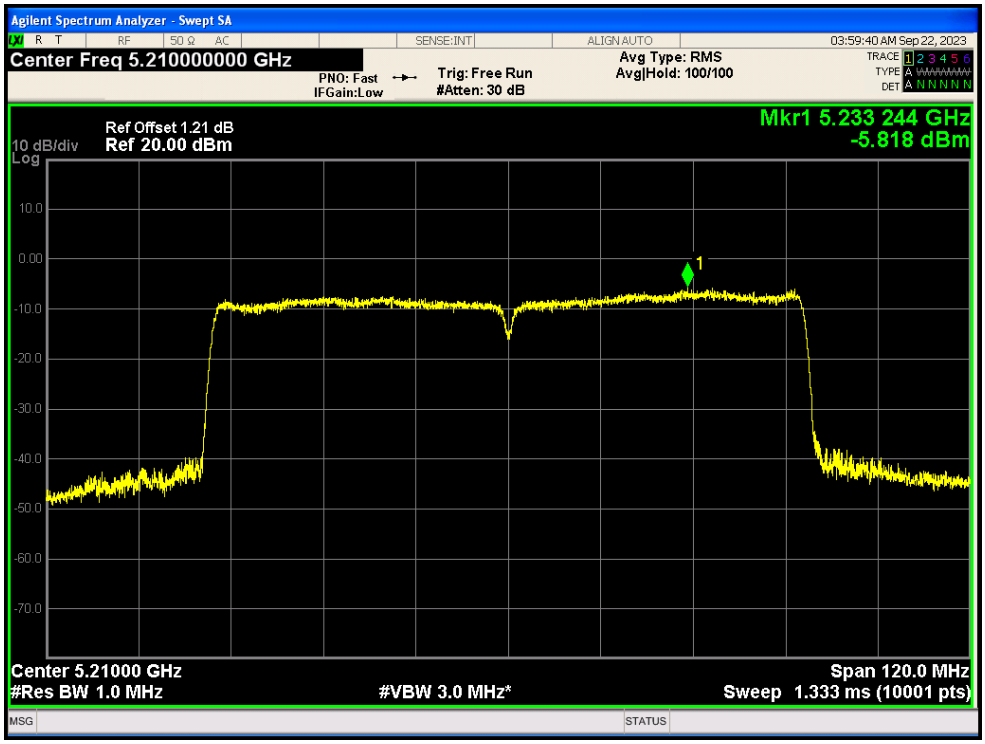
PSD NVNT ac40 5230MHz Ant2



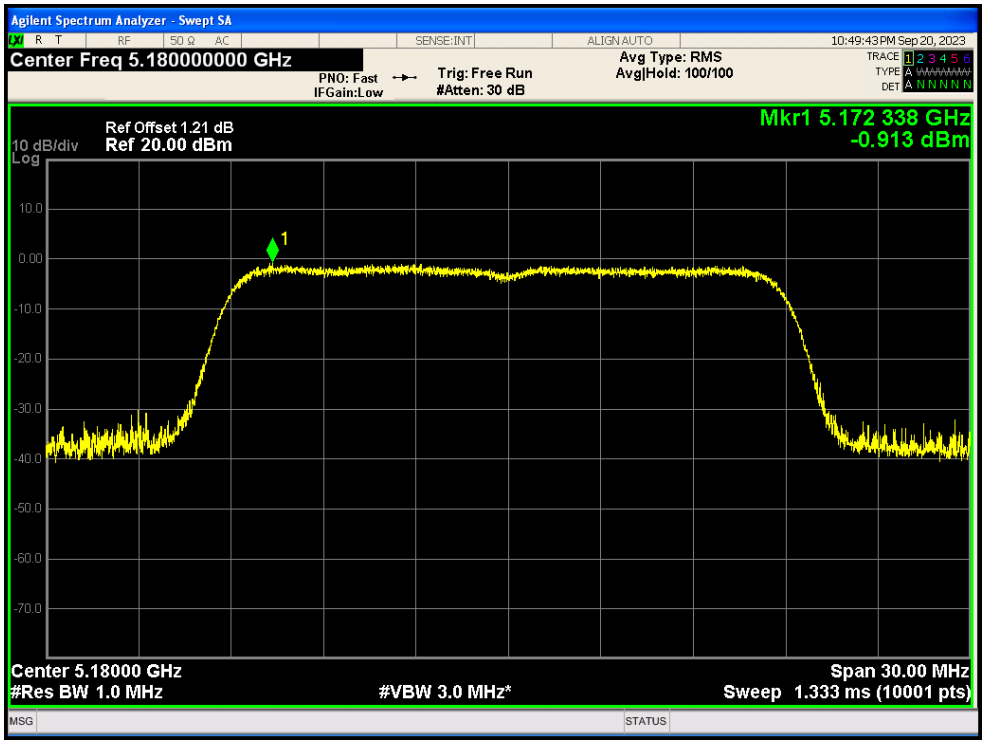
PSD NVNT ac80 5210MHz Ant1



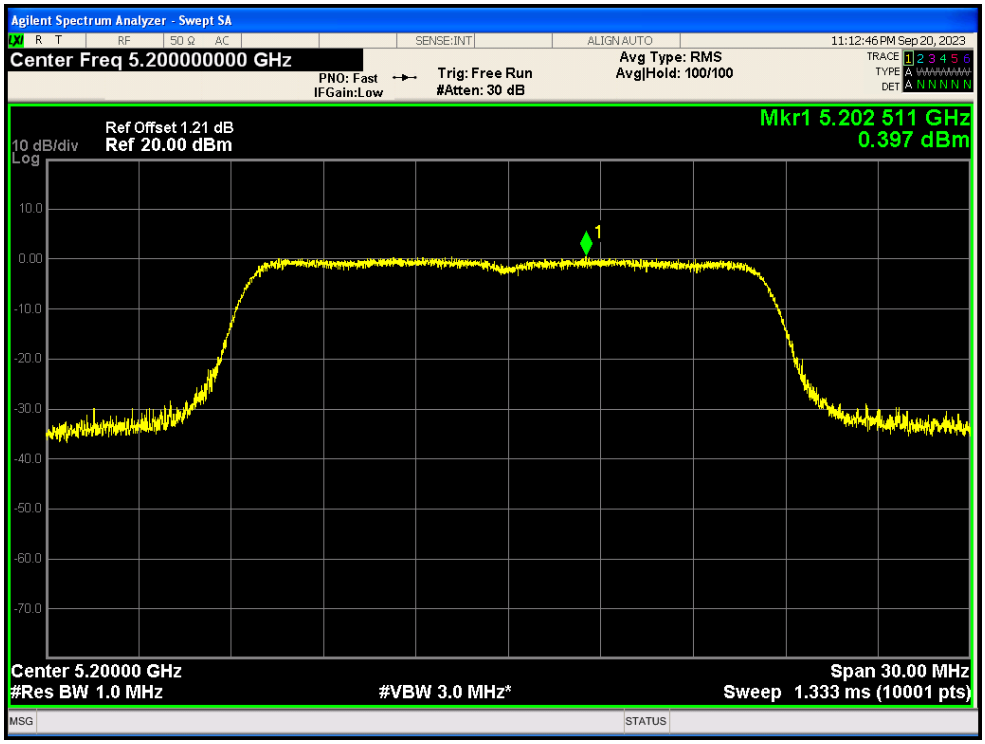
PSD NVNT ac80 5210MHz Ant2



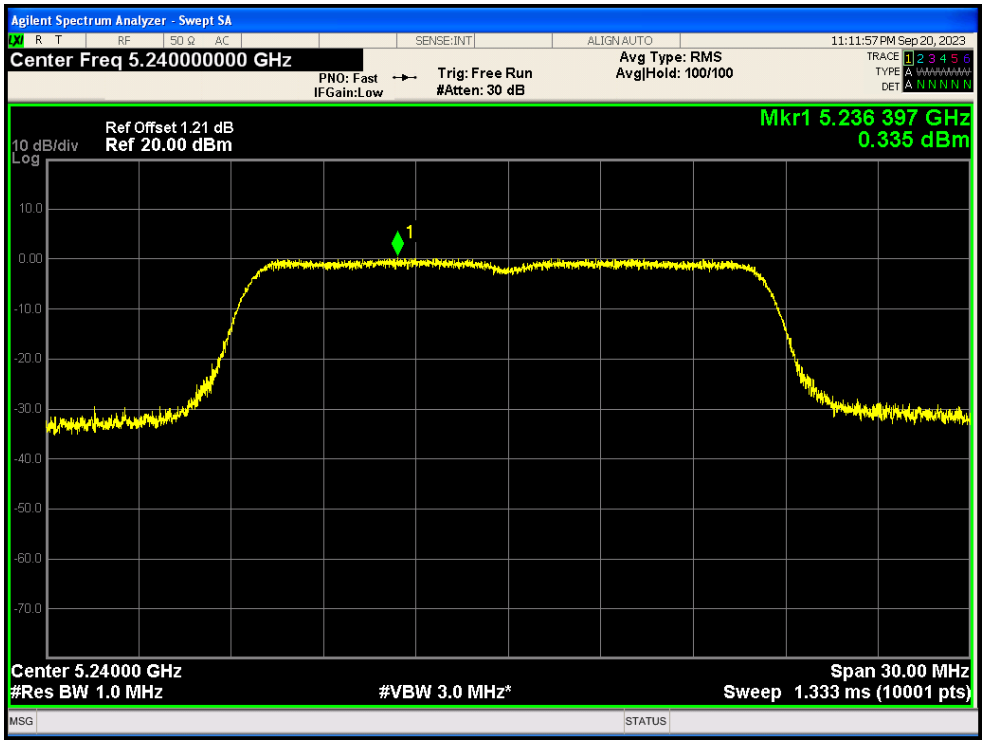
PSD NVNT n20 5180MHz Ant1



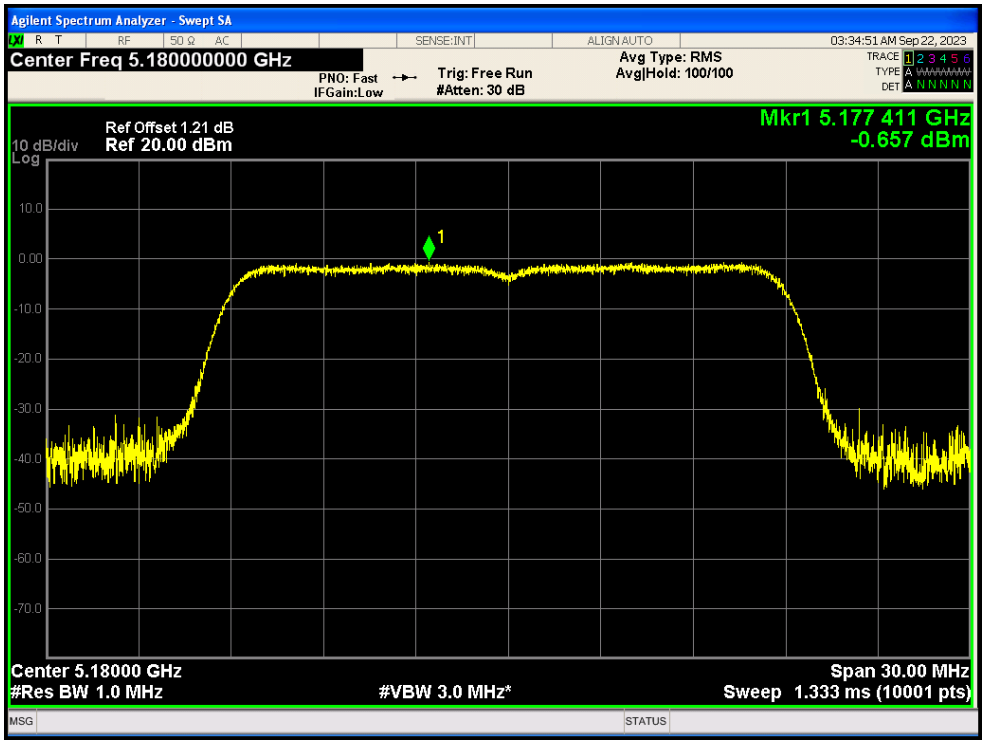
PSD NVNT n20 5200MHz Ant1



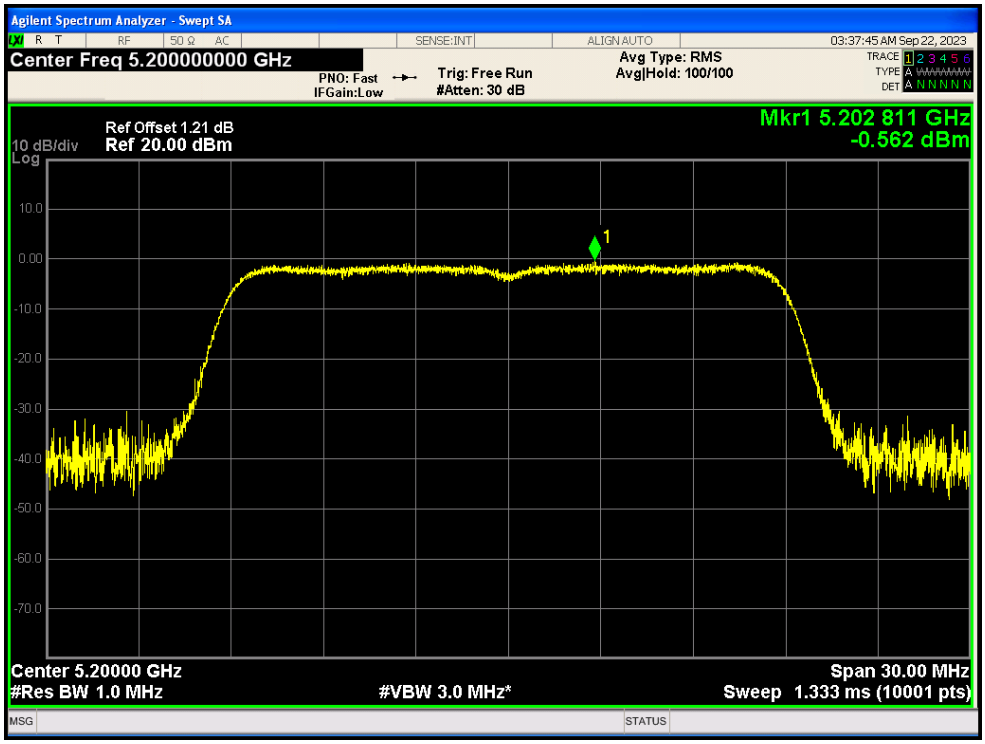
PSD NVNT n20 5240MHz Ant1



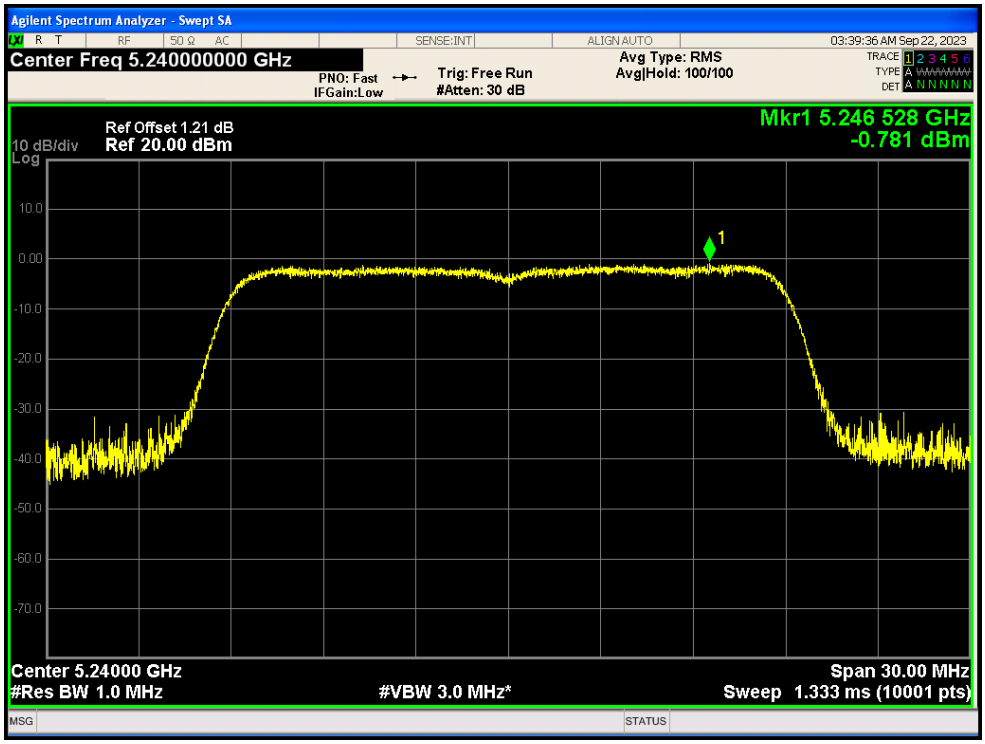
PSD NVNT n20 5180MHz Ant2



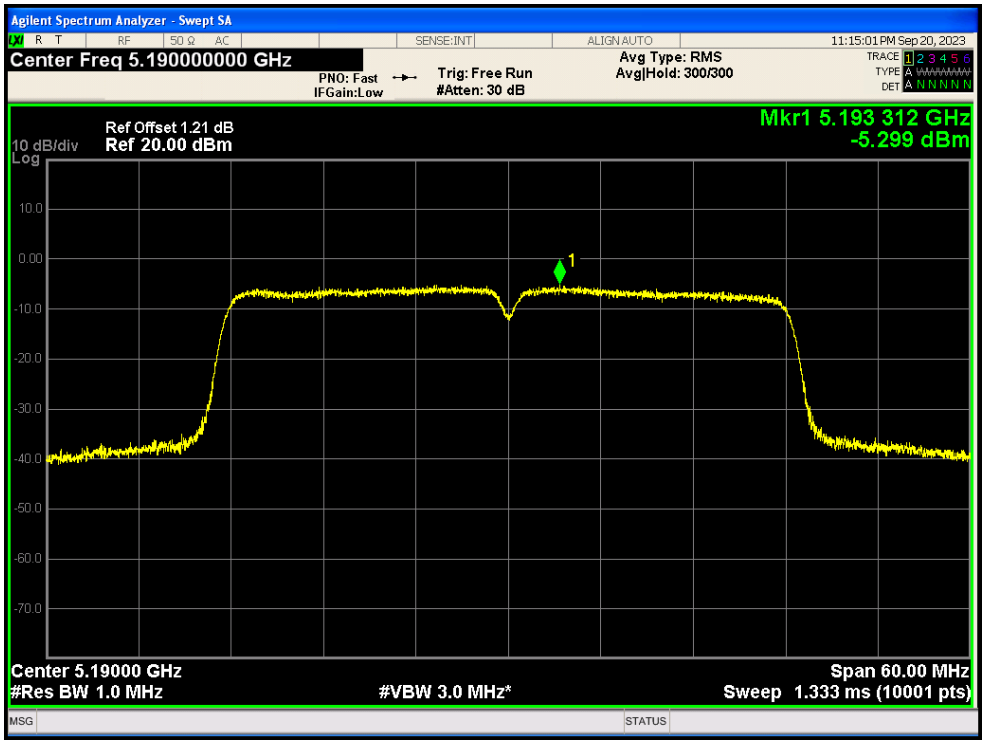
PSD NVNT n20 5200MHz Ant2



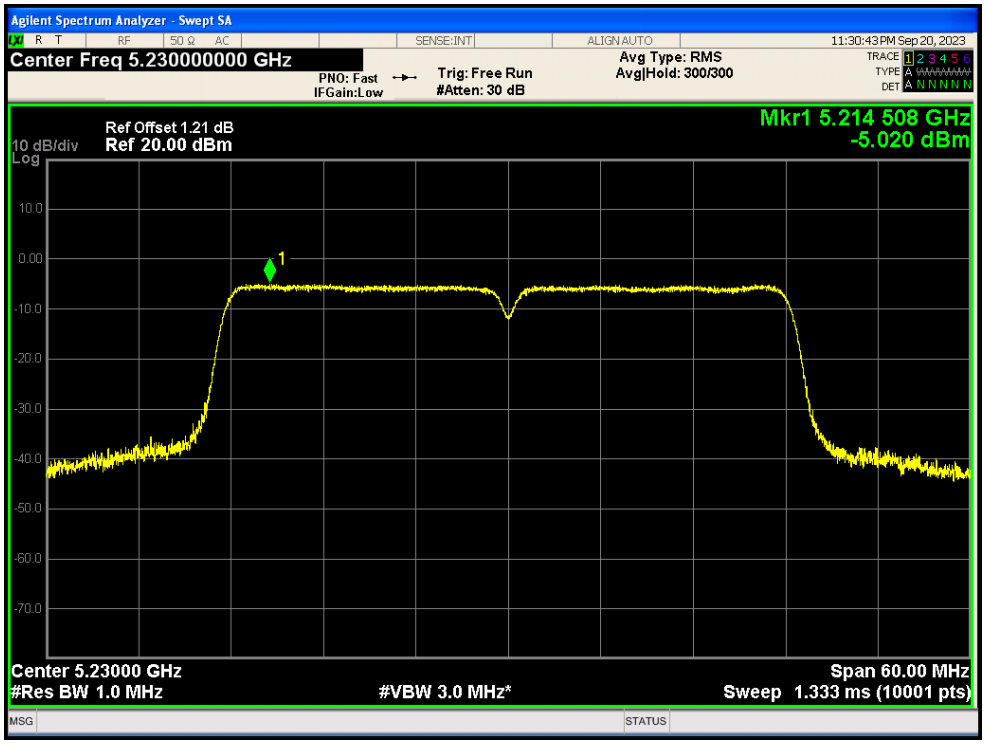
PSD NVNT n20 5240MHz Ant2



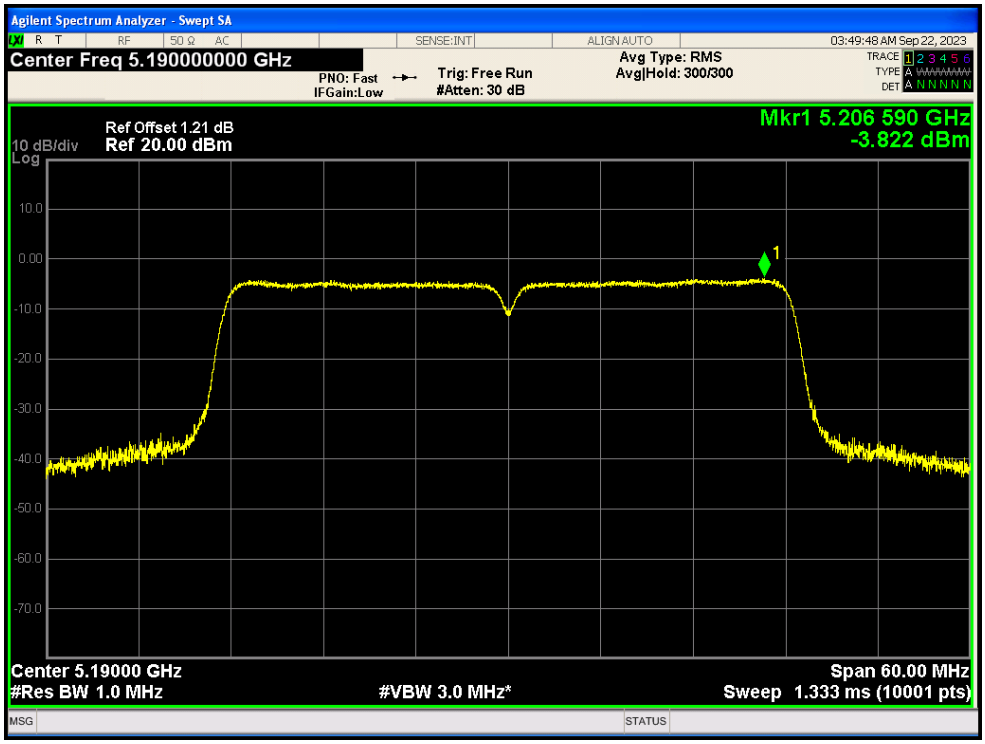
PSD NVNT n40 5190MHz Ant1



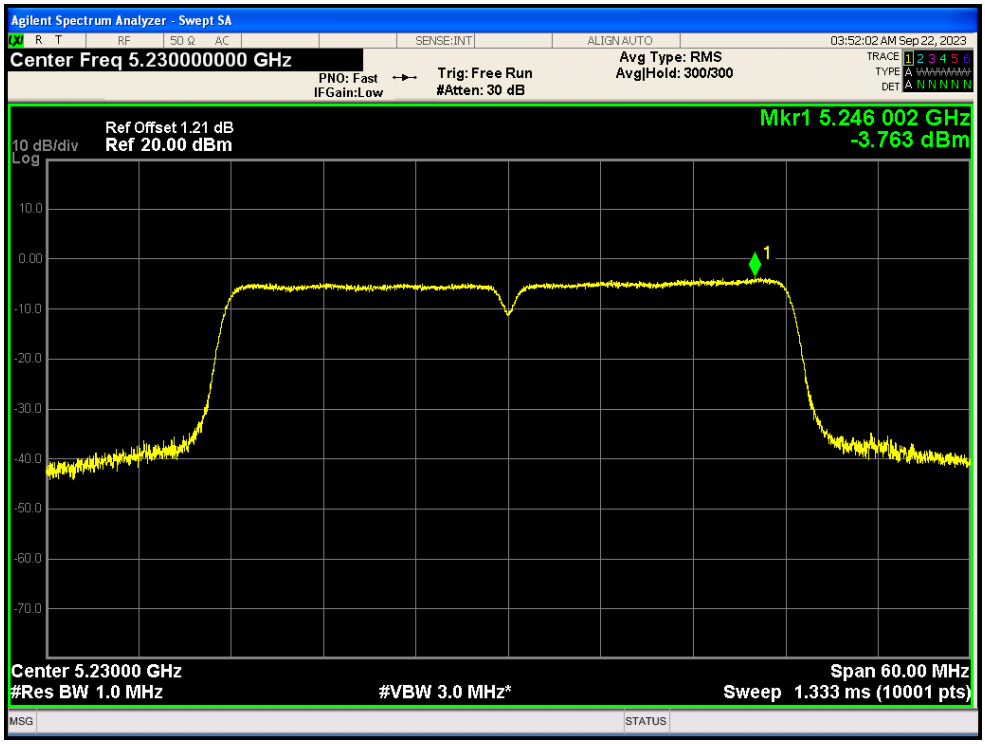
PSD NVNT n40 5230MHz Ant1



PSD NVNT n40 5190MHz Ant2



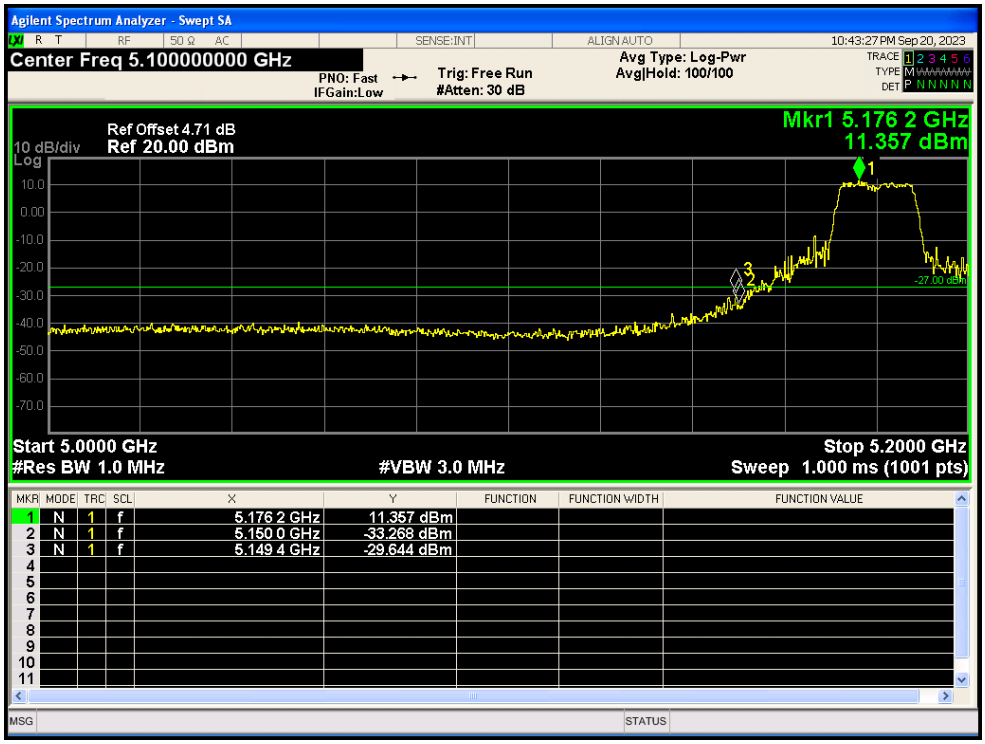
PSD NVNT n40 5230MHz Ant2



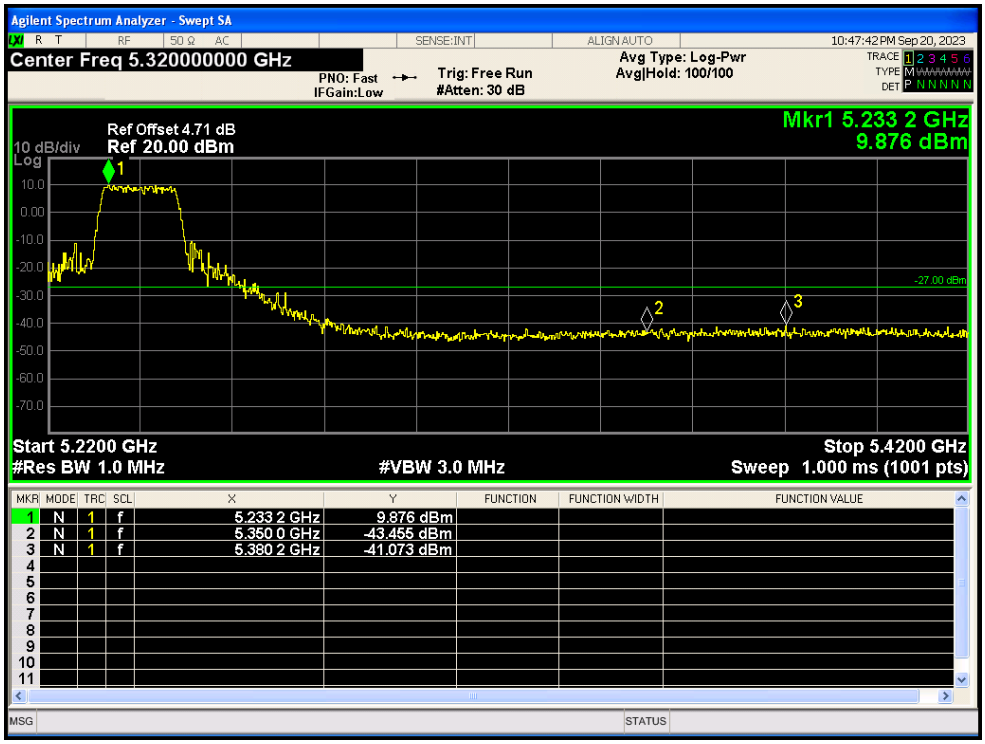
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-29.64	-27	Pass
NVNT	a	5240	Ant1	-41.07	-27	Pass
NVNT	a	5180	Ant2	-34.89	-27	Pass
NVNT	a	5240	Ant2	-42.13	-27	Pass
NVNT	ac20	5180	Ant1	-28.57	-27	Pass
NVNT	ac20	5240	Ant1	-38.86	-27	Pass
NVNT	ac20	5180	Ant2	-34.72	-27	Pass
NVNT	ac20	5240	Ant2	-40.64	-27	Pass
NVNT	ac40	5190	Ant1	-33.38	-27	Pass
NVNT	ac40	5230	Ant1	-39.43	-27	Pass
NVNT	ac40	5190	Ant2	-30.56	-27	Pass
NVNT	ac40	5230	Ant2	-42.61	-27	Pass
NVNT	ac80	5210	Ant1	-45.38	-27	Pass
NVNT	ac80	5210	Ant2	-43.83	-27	Pass
NVNT	n20	5180	Ant1	-31.96	-27	Pass
NVNT	n20	5240	Ant1	-39.89	-27	Pass
NVNT	n20	5180	Ant2	-33.61	-27	Pass
NVNT	n20	5240	Ant2	-41.5	-27	Pass
NVNT	n40	5190	Ant1	-27.1	-27	Pass
NVNT	n40	5230	Ant1	-40.02	-27	Pass
NVNT	n40	5190	Ant2	-29.7	-27	Pass
NVNT	n40	5230	Ant2	-41.67	-27	Pass

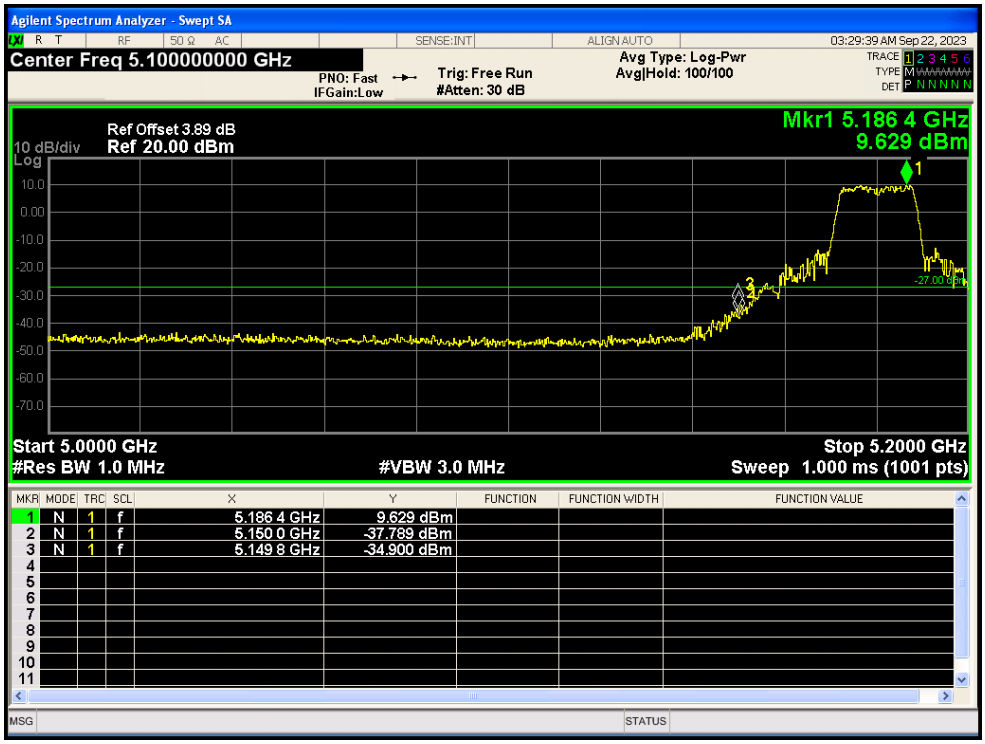
Band Edge NVNT a 5180MHz Low Ant1



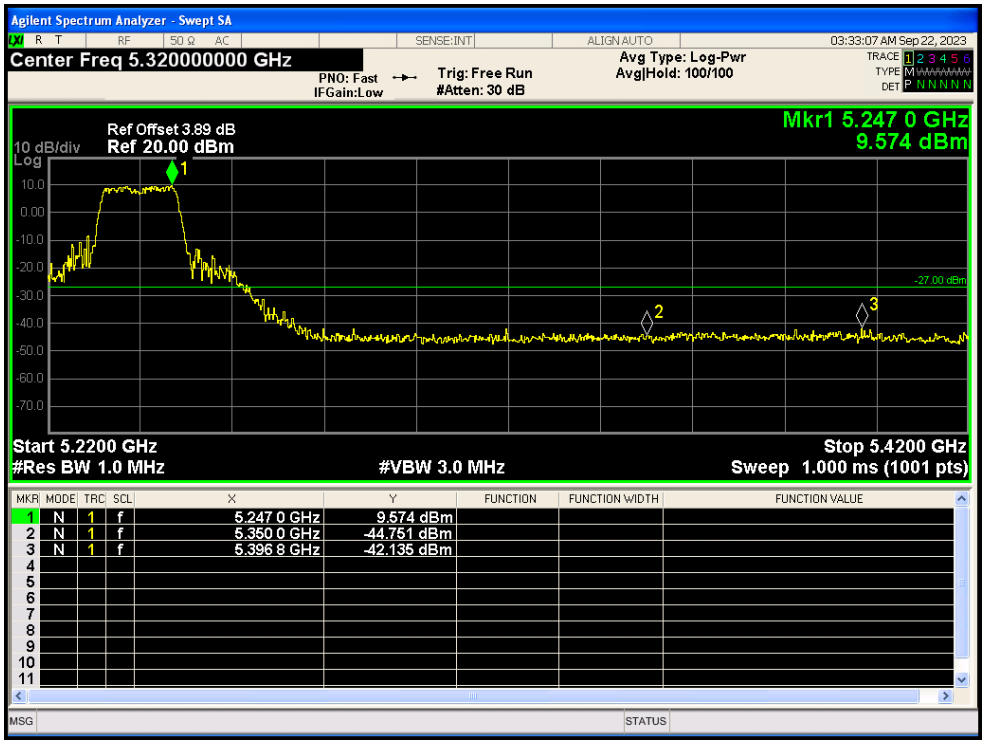
Band Edge NVNT a 5240MHz High Ant1



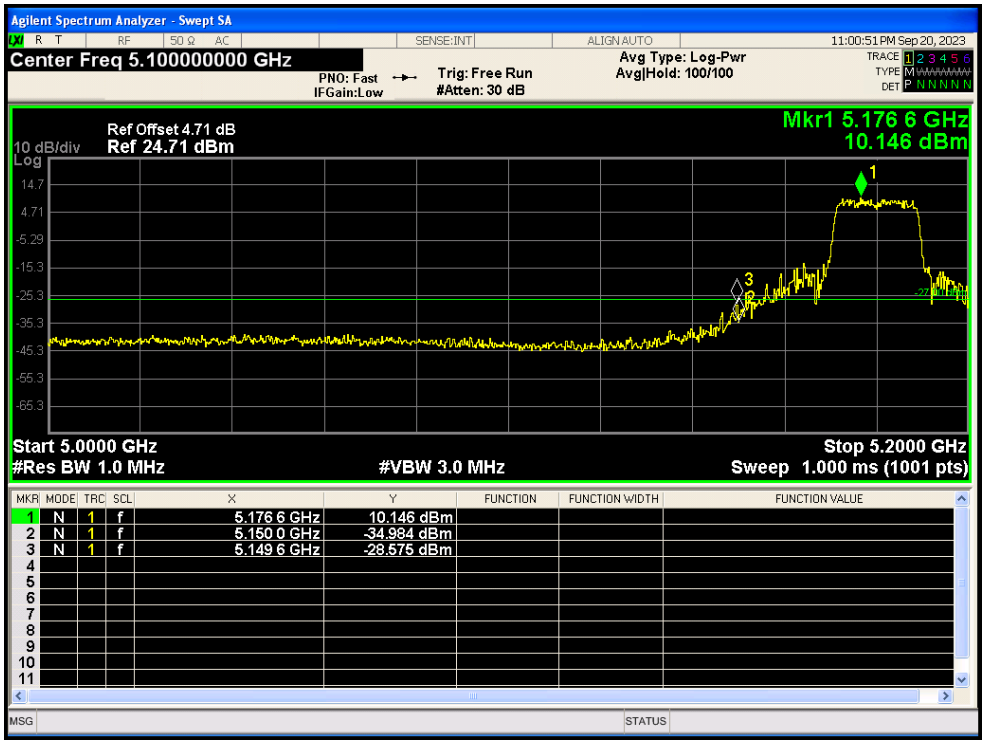
Band Edge NVNT a 5180MHz Low Ant2



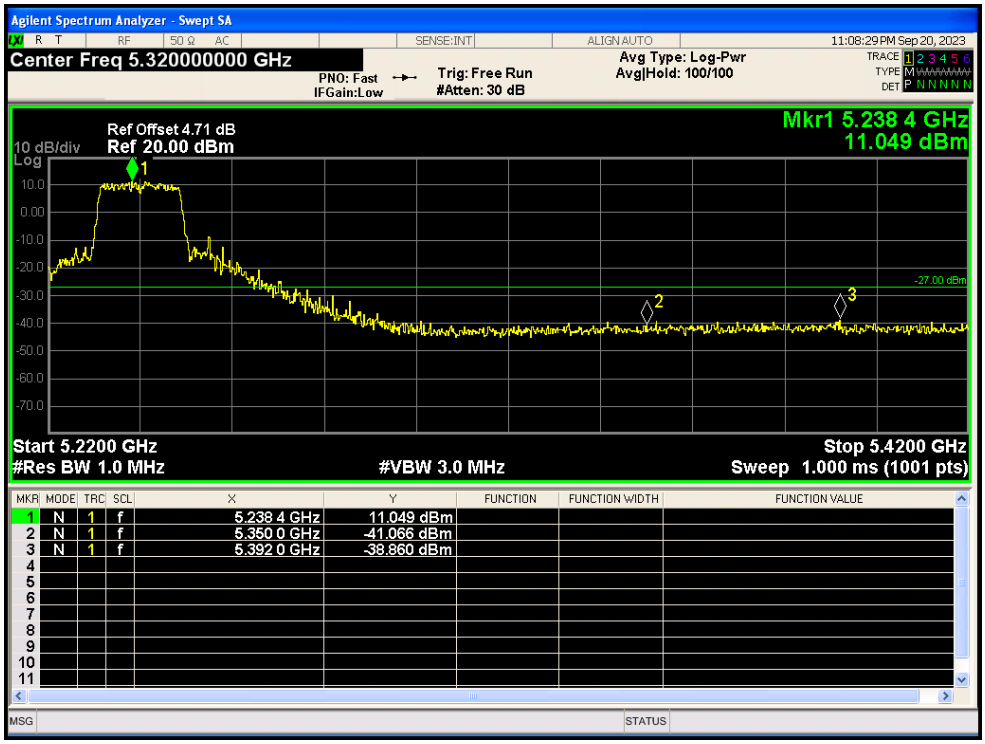
Band Edge NVNT a 5240MHz High Ant2



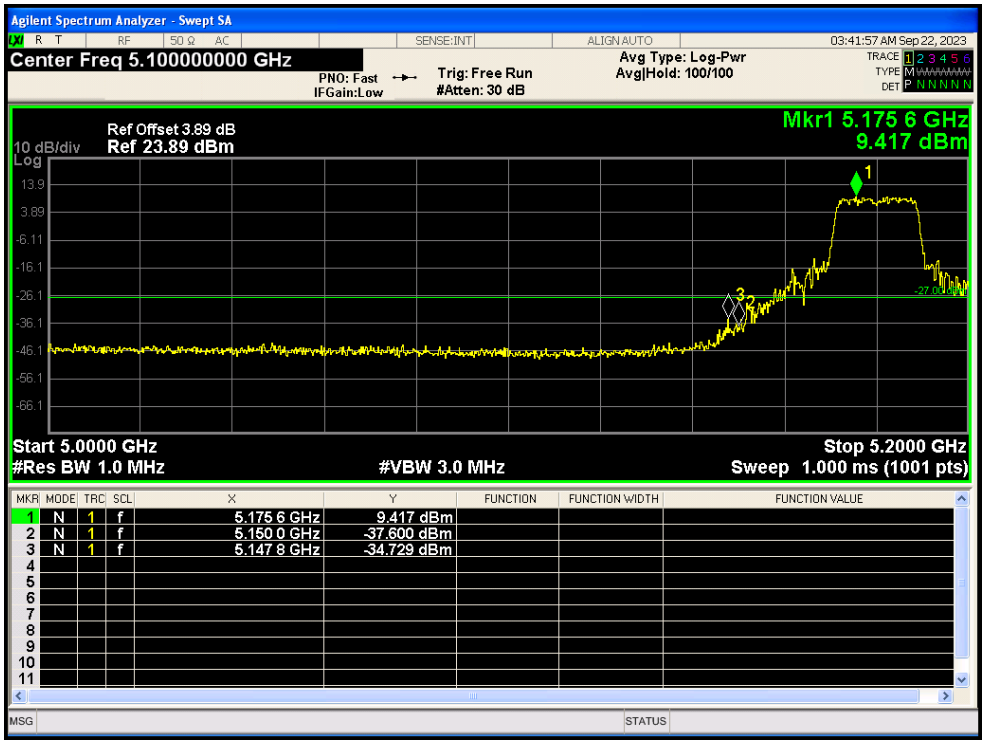
Band Edge NVNT ac20 5180MHz Low Ant1



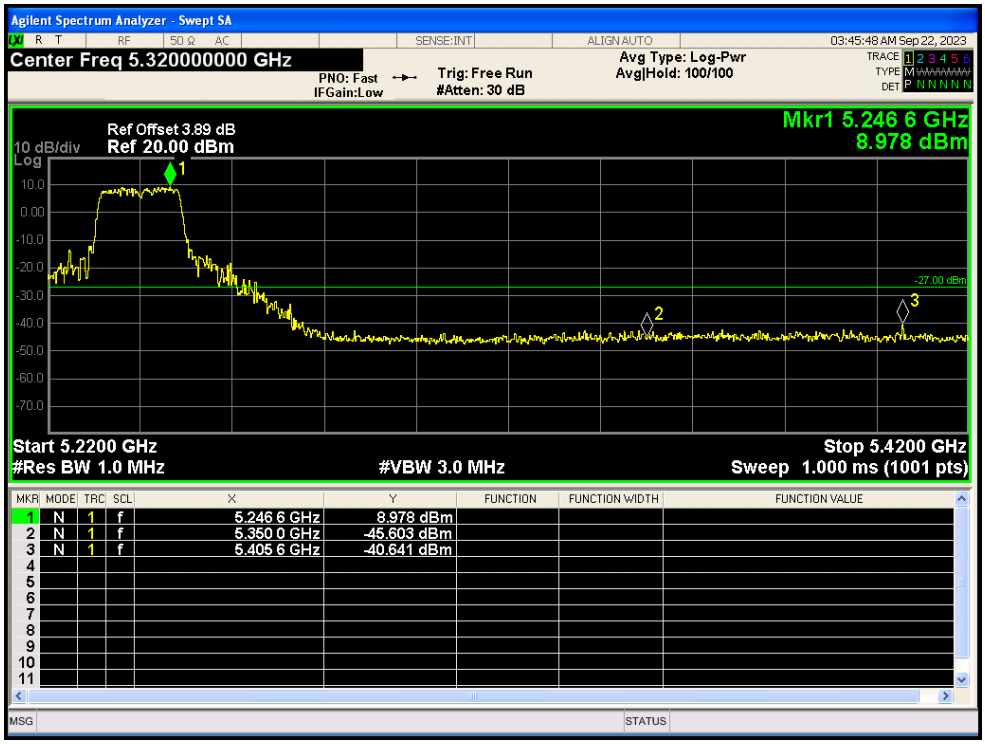
Band Edge NVNT ac20 5240MHz High Ant1



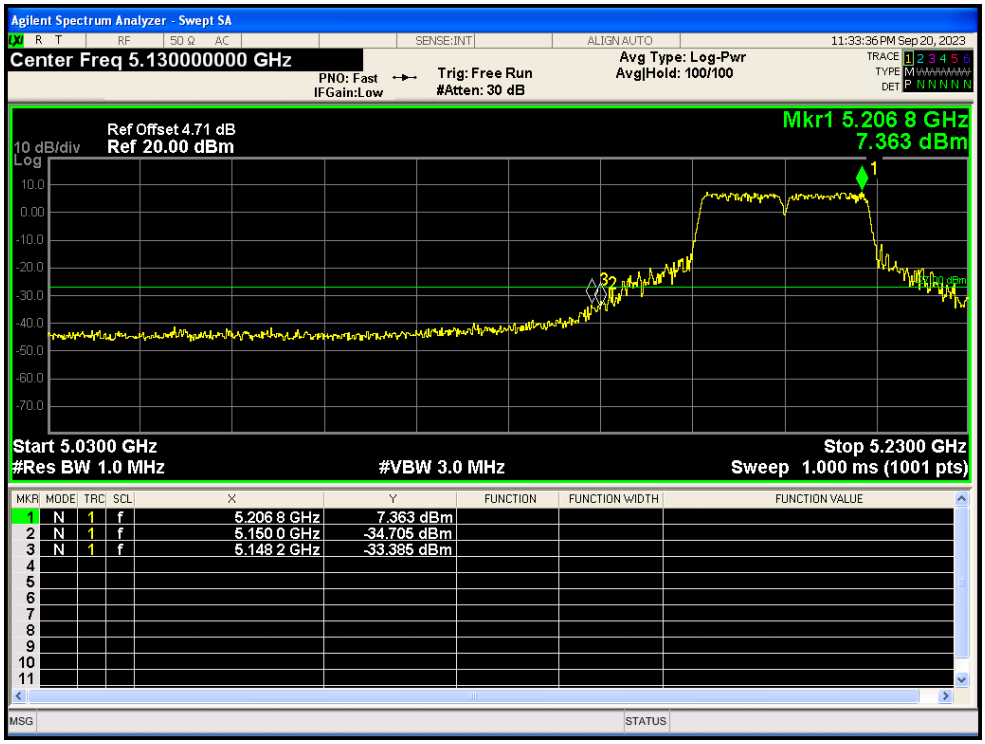
Band Edge NVNT ac20 5180MHz Low Ant2



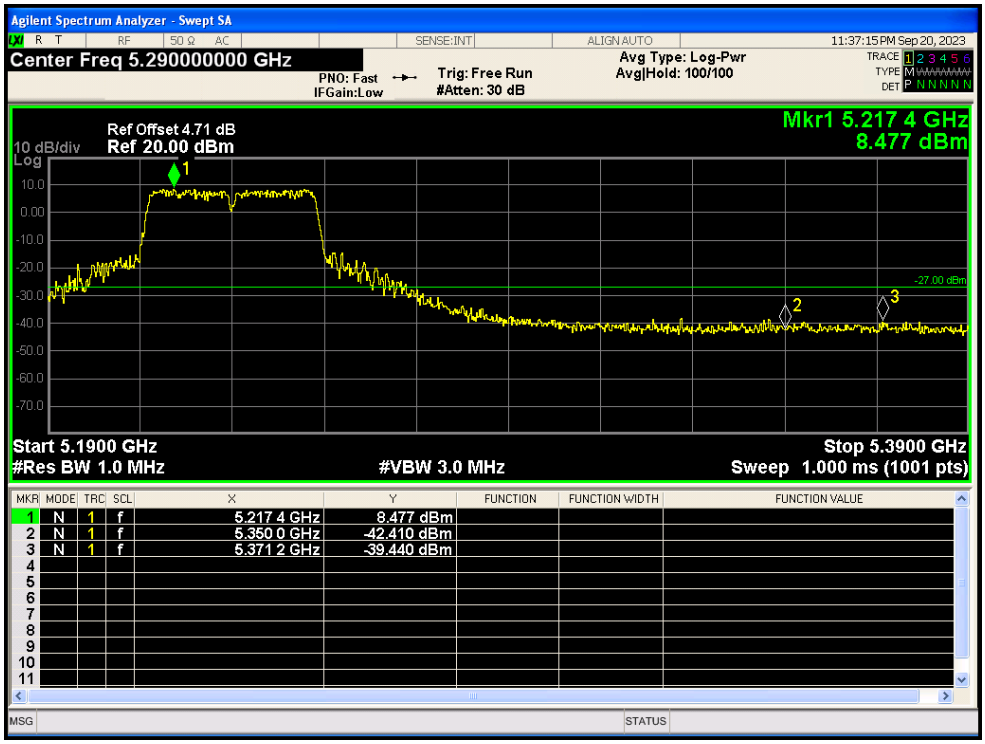
Band Edge NVNT ac20 5240MHz High Ant2



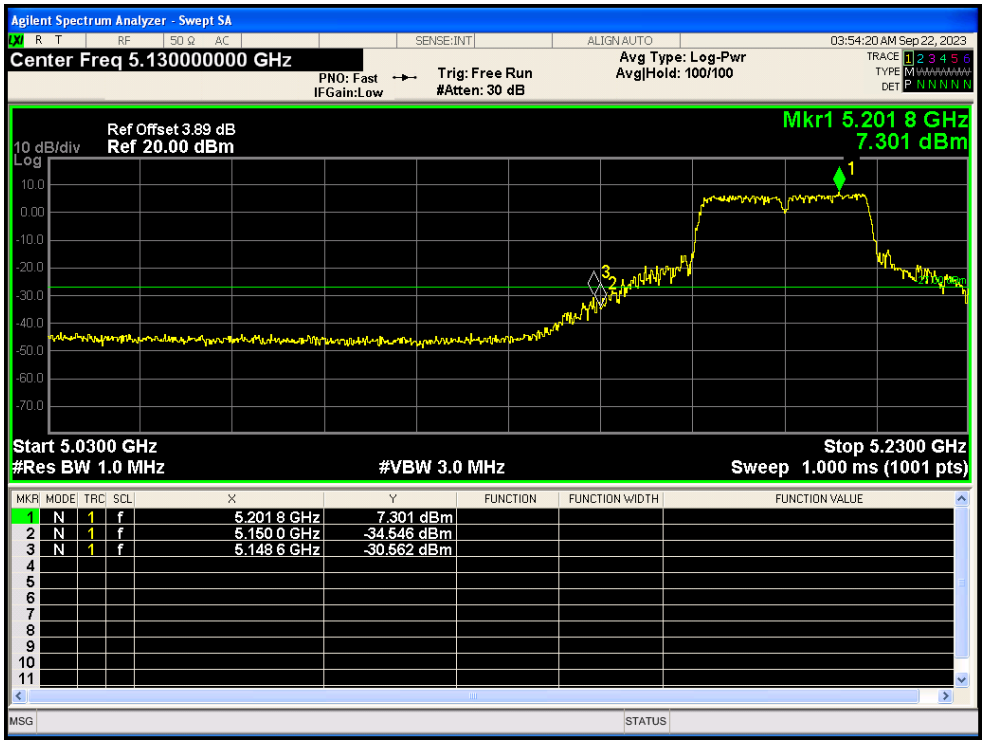
Band Edge NVNT ac40 5190MHz Low Ant1



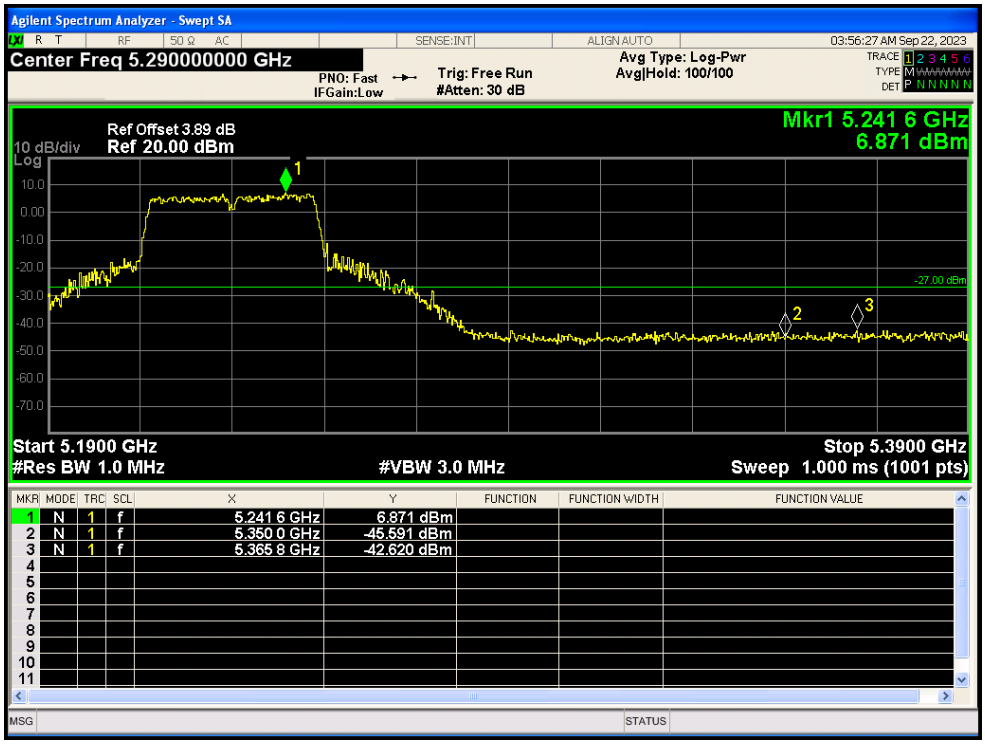
Band Edge NVNT ac40 5230MHz High Ant1



Band Edge NVNT ac40 5190MHz Low Ant2



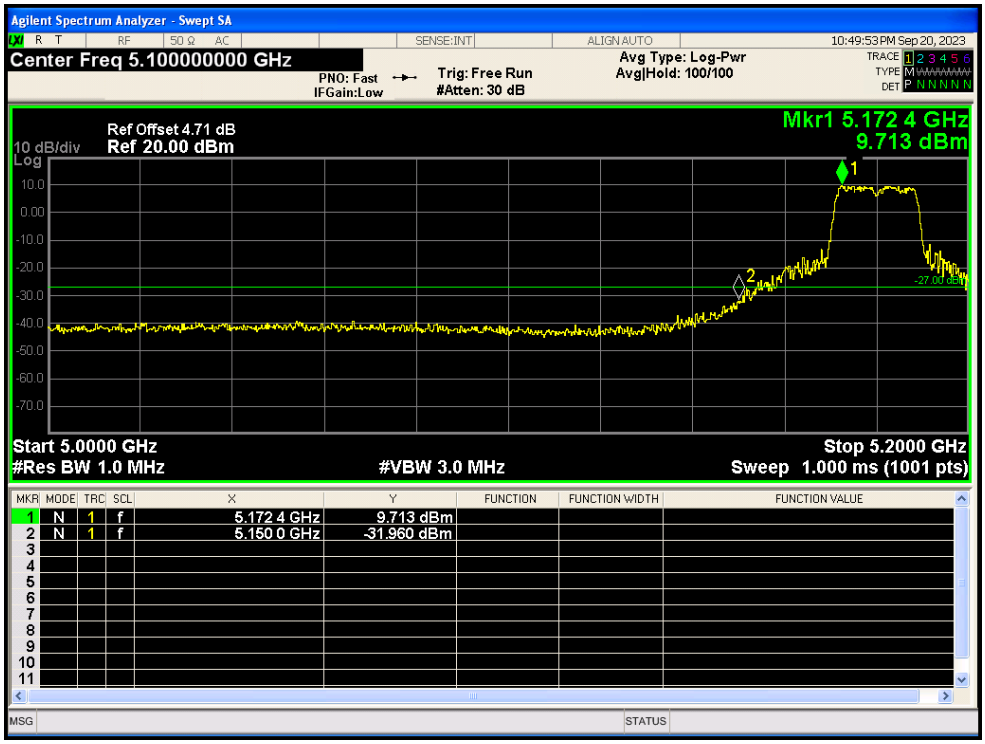
Band Edge NVNT ac40 5230MHz High Ant2



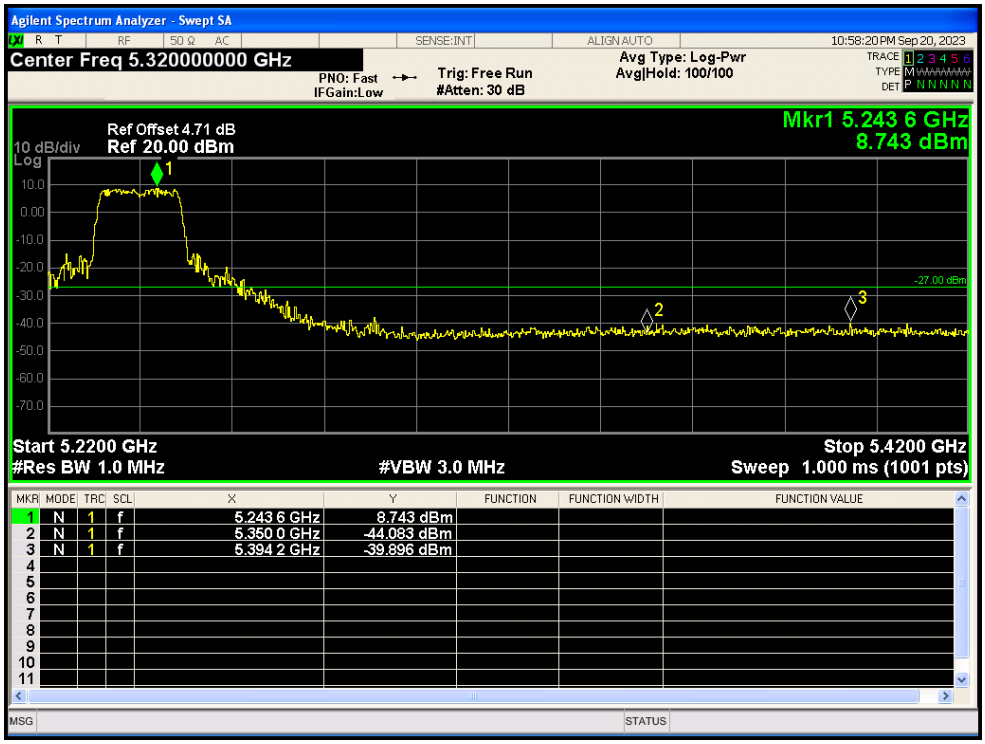
Band Edge NVNT ac80 5210MHz High Ant1

Band Edge NVNT ac80 5210MHz High Ant2

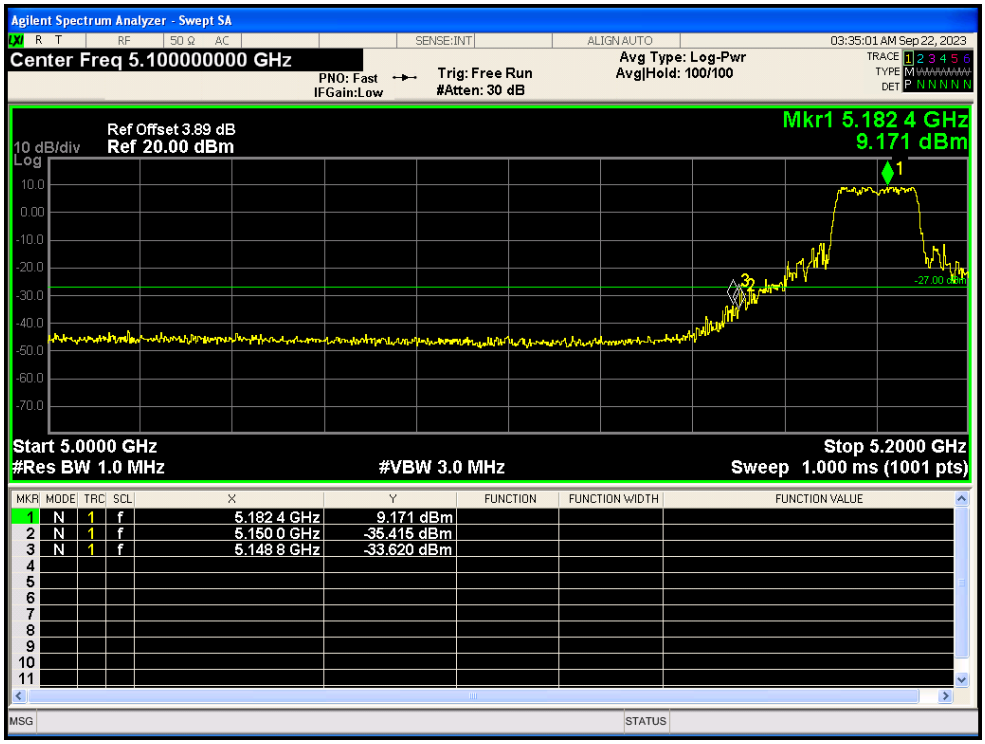
Band Edge NVNT n20 5180MHz Low Ant1



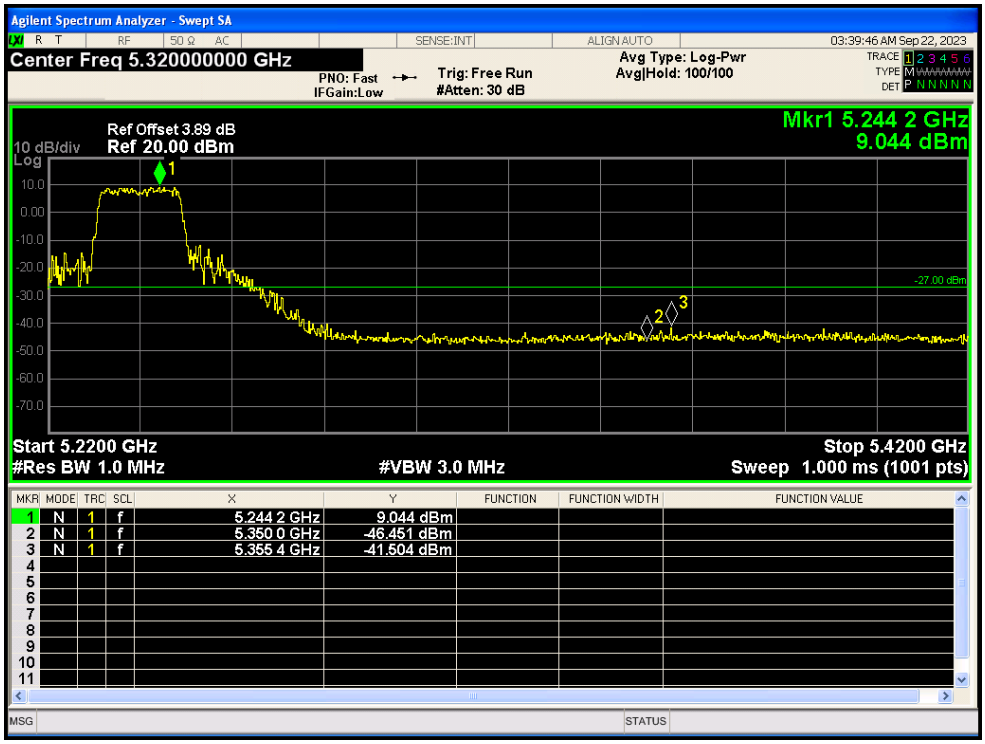
Band Edge NVNT n20 5240MHz High Ant1



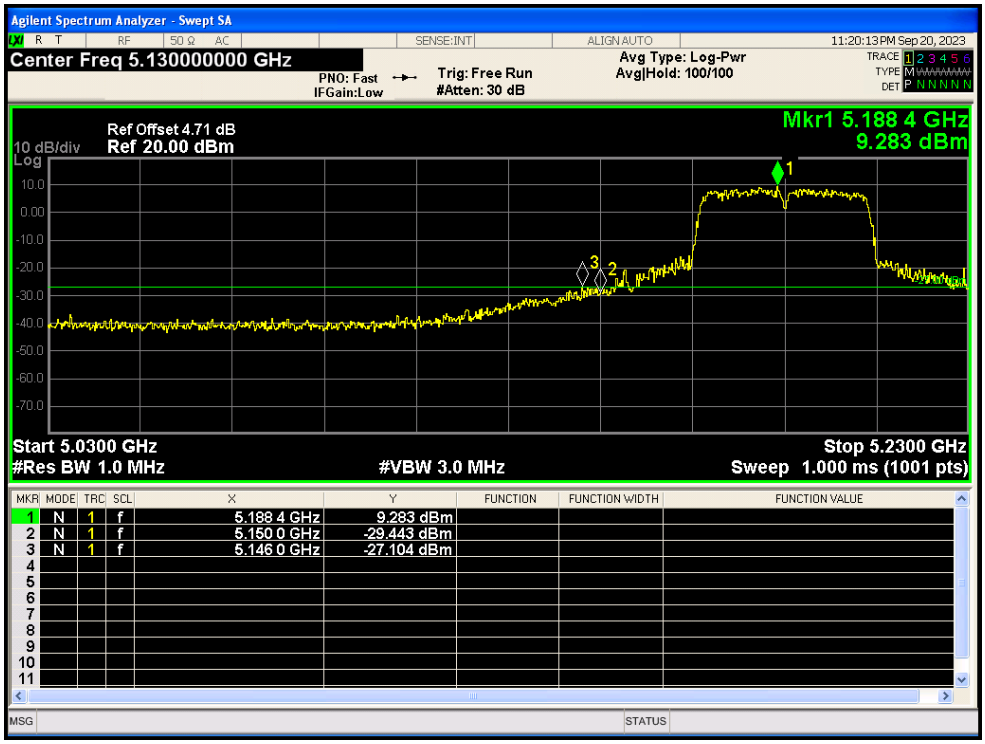
Band Edge NVNT n20 5180MHz Low Ant2



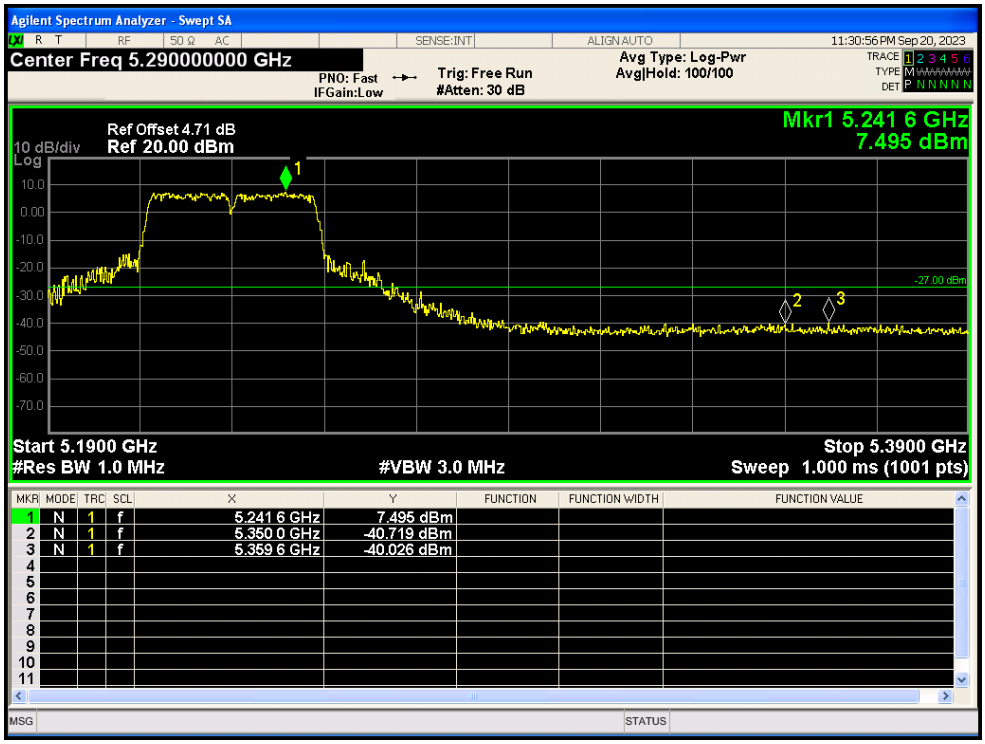
Band Edge NVNT n20 5240MHz High Ant2



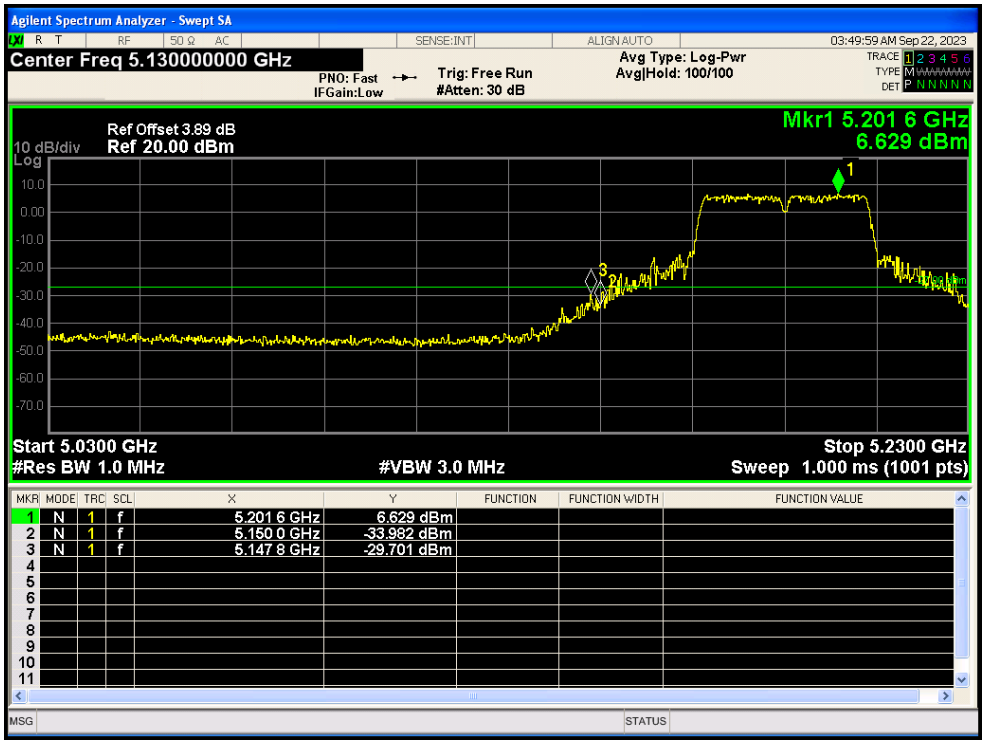
Band Edge NVNT n40 5190MHz Low Ant1



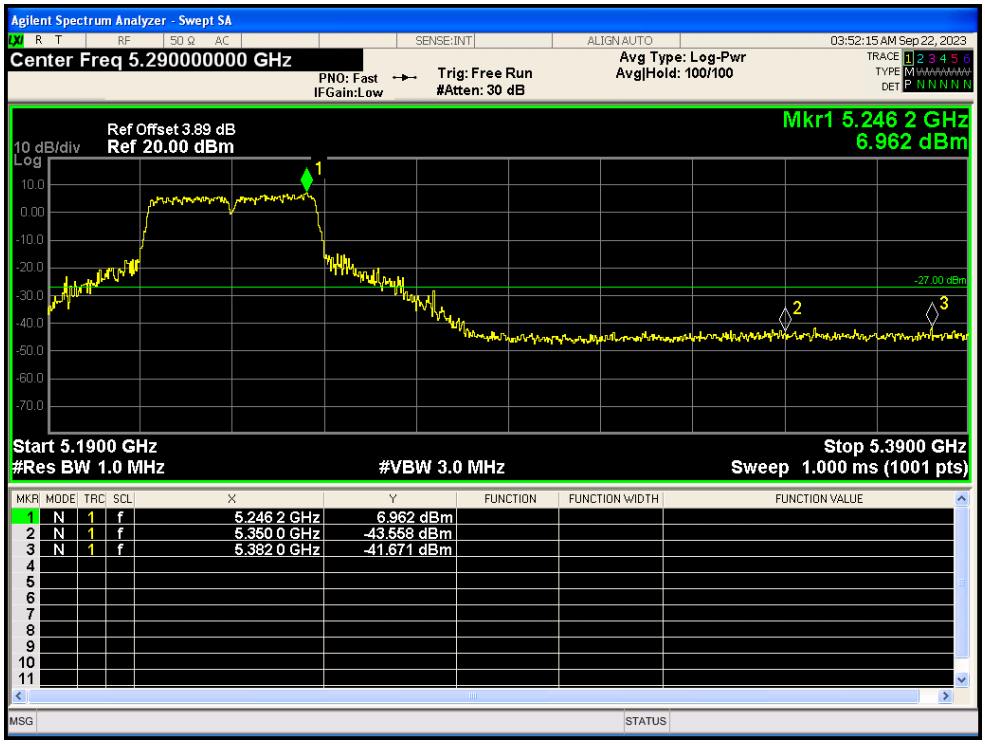
Band Edge NVNT n40 5230MHz High Ant1



Band Edge NVNT n40 5190MHz Low Ant2



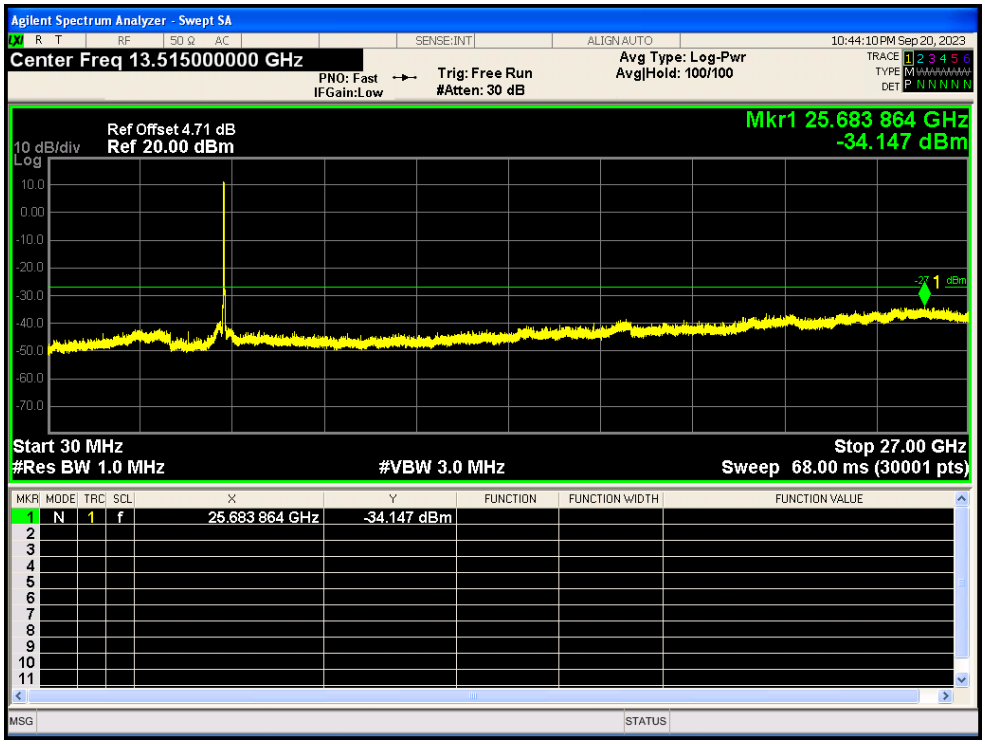
Band Edge NVNT n40 5230MHz High Ant2



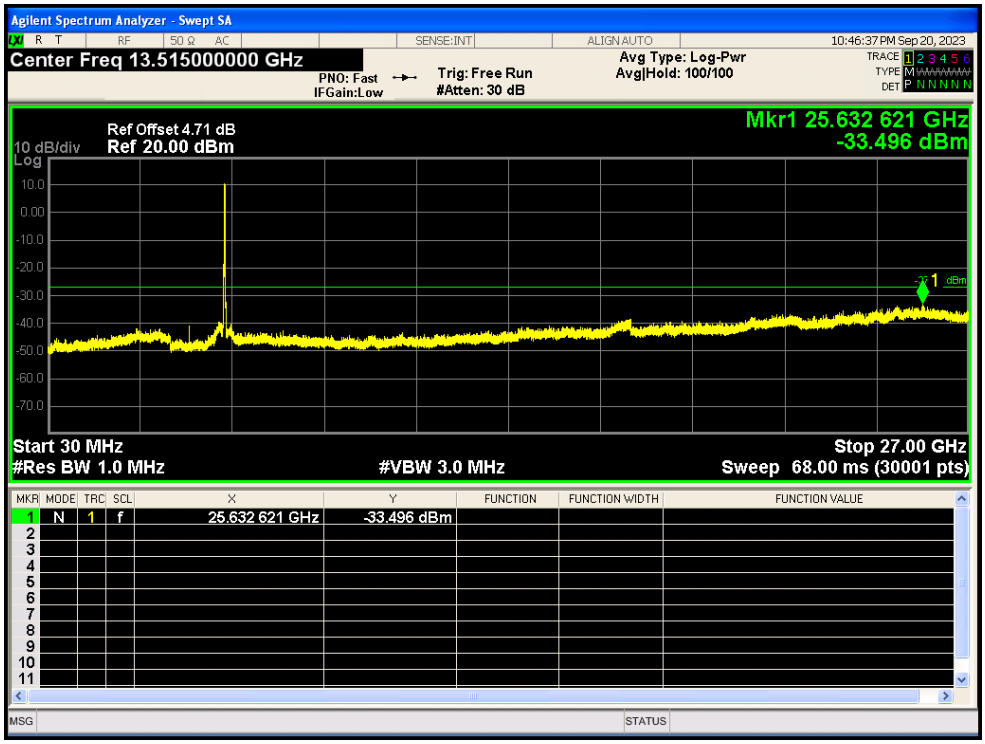
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-34.14	-27	Pass
NVNT	a	5200	Ant1	-33.49	-27	Pass
NVNT	a	5240	Ant1	-33.65	-27	Pass
NVNT	a	5180	Ant2	-34.63	-27	Pass
NVNT	a	5200	Ant2	-34.41	-27	Pass
NVNT	a	5240	Ant2	-33.68	-27	Pass
NVNT	ac20	5180	Ant1	-33.78	-27	Pass
NVNT	ac20	5200	Ant1	-33.49	-27	Pass
NVNT	ac20	5240	Ant1	-33.84	-27	Pass
NVNT	ac20	5180	Ant2	-34.75	-27	Pass
NVNT	ac20	5200	Ant2	-33.84	-27	Pass
NVNT	ac20	5240	Ant2	-34.45	-27	Pass
NVNT	ac40	5190	Ant1	-33.87	-27	Pass
NVNT	ac40	5230	Ant1	-33.96	-27	Pass
NVNT	ac40	5190	Ant2	-33.48	-27	Pass
NVNT	ac40	5230	Ant2	-34.59	-27	Pass
NVNT	ac80	5210	Ant1	-42.39	-27	Pass
NVNT	ac80	5210	Ant2	-43.01	-27	Pass
NVNT	n20	5180	Ant1	-33.31	-27	Pass
NVNT	n20	5200	Ant1	-32.9	-27	Pass
NVNT	n20	5240	Ant1	-33.67	-27	Pass
NVNT	n20	5180	Ant2	-34.75	-27	Pass
NVNT	n20	5200	Ant2	-34.62	-27	Pass
NVNT	n20	5240	Ant2	-33.45	-27	Pass
NVNT	n40	5190	Ant1	-33.62	-27	Pass
NVNT	n40	5230	Ant1	-33.19	-27	Pass
NVNT	n40	5190	Ant2	-34	-27	Pass
NVNT	n40	5230	Ant2	-34.08	-27	Pass

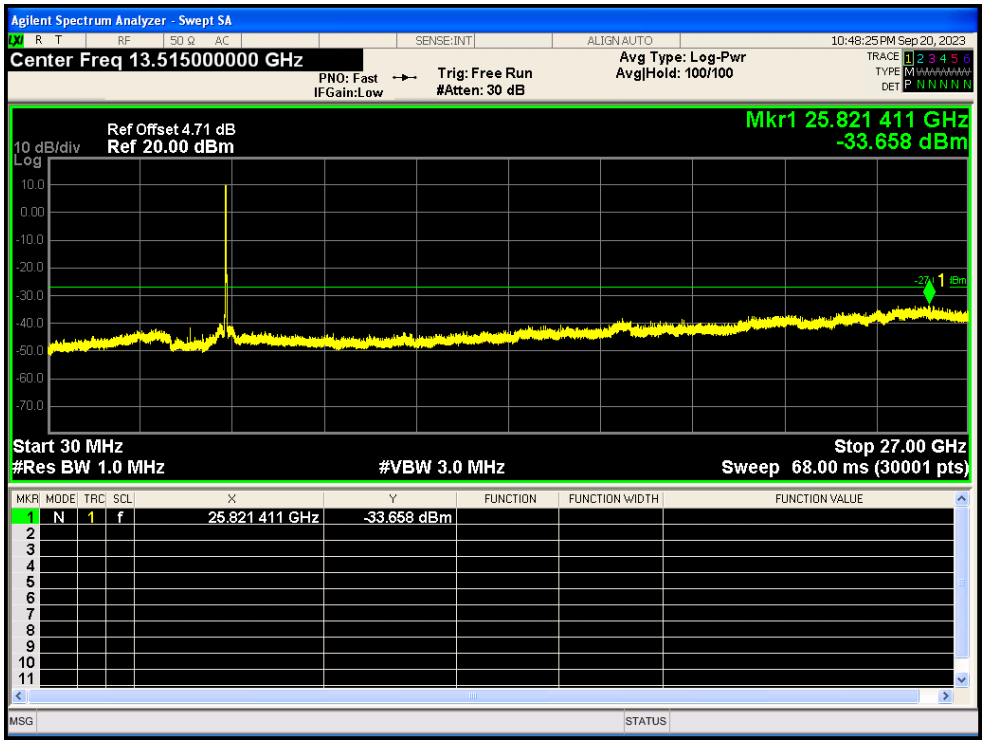
Tx. Spurious NVNT a 5180MHz Ant1 Emission



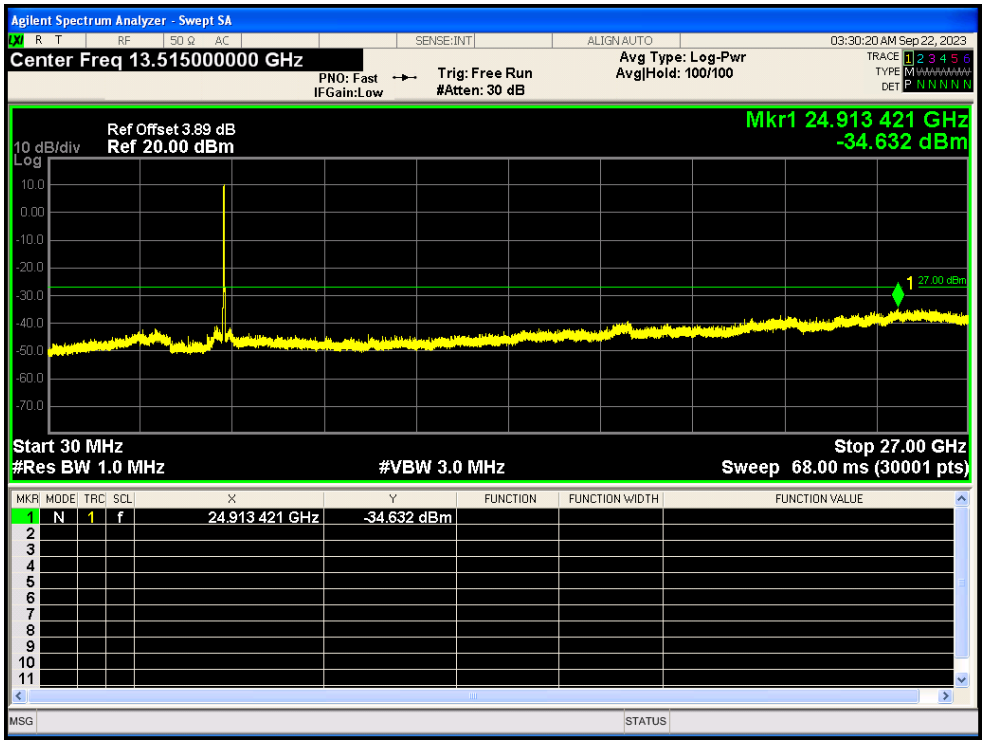
Tx. Spurious NVNT a 5200MHz Ant1 Emission



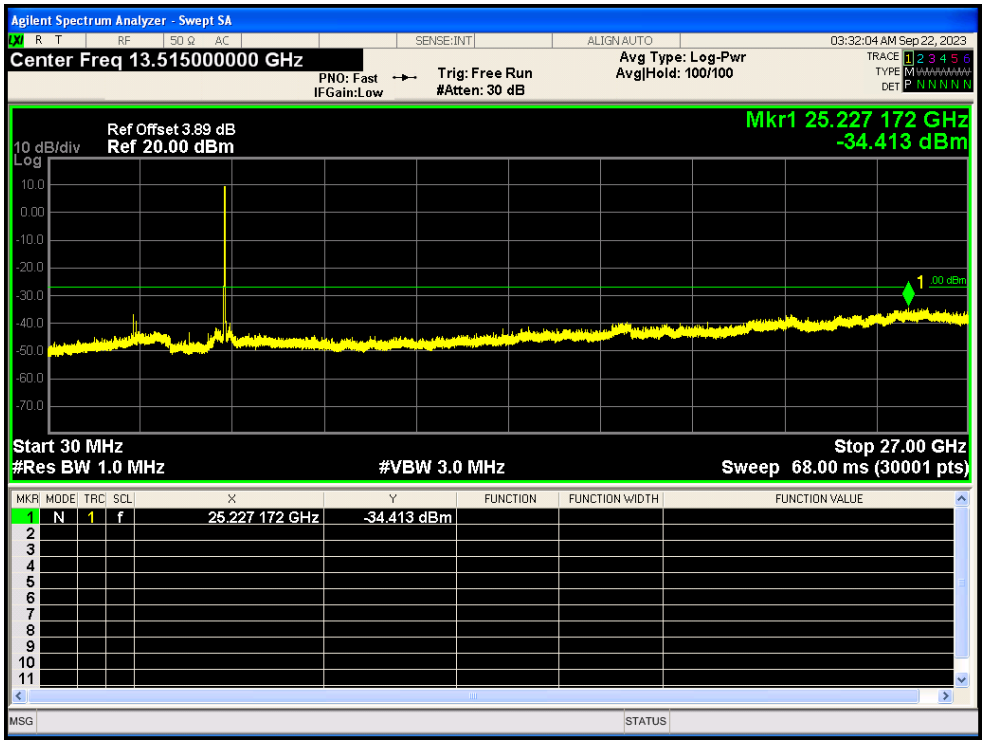
Tx. Spurious NVNT a 5240MHz Ant1 Emission



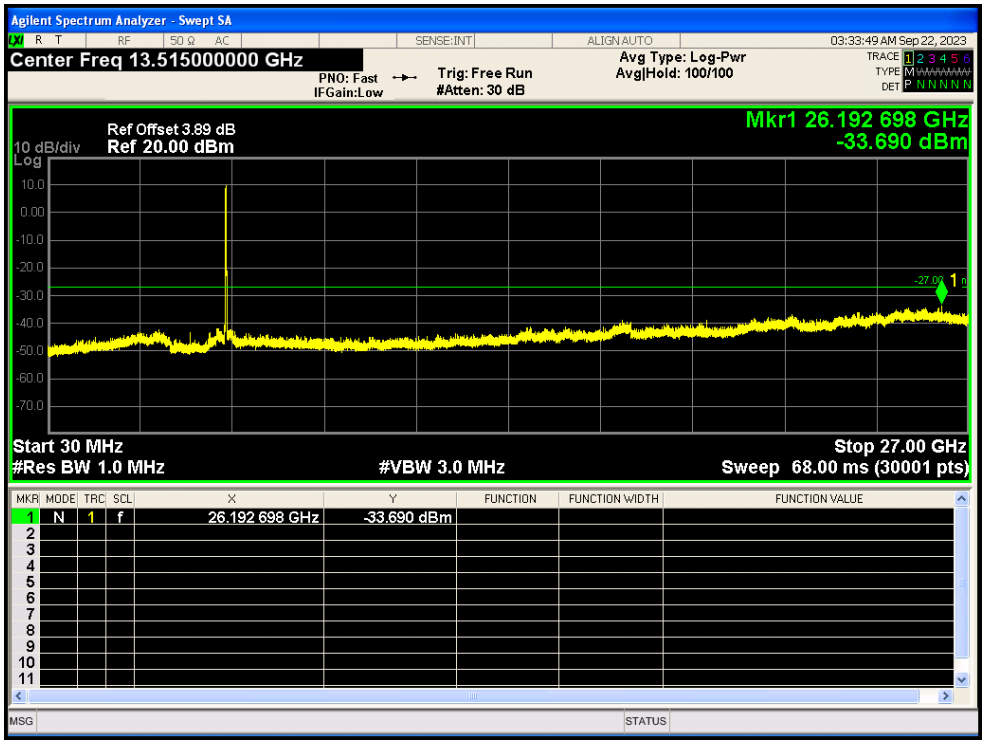
Tx. Spurious NVNT a 5180MHz Ant2 Emission



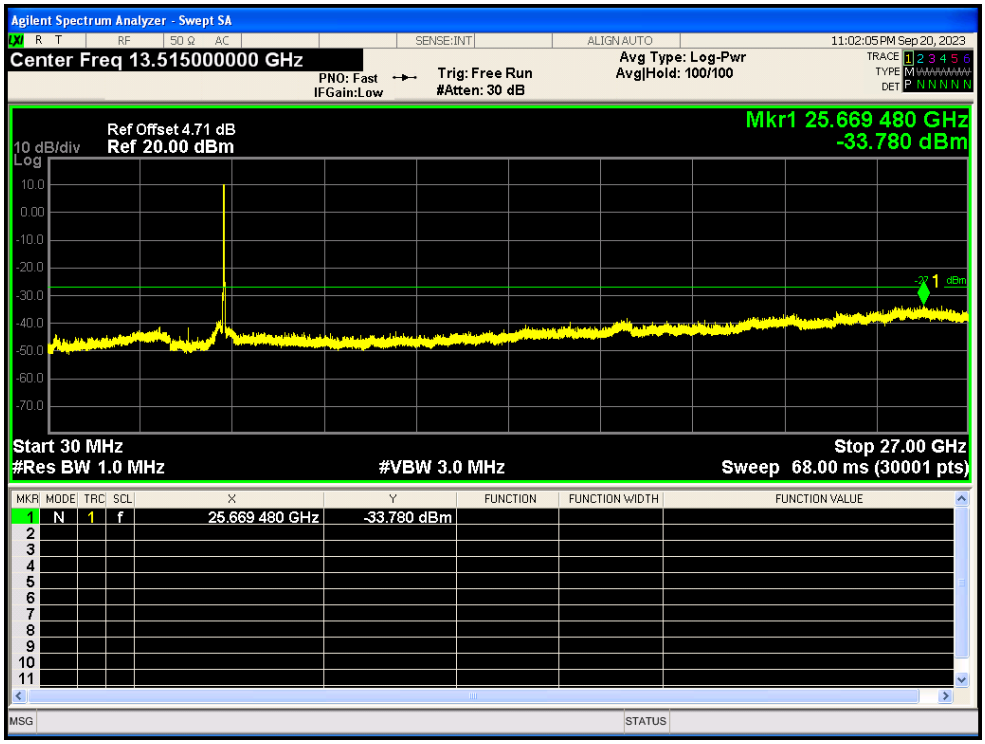
Tx. Spurious NVNT a 5200MHz Ant2 Emission



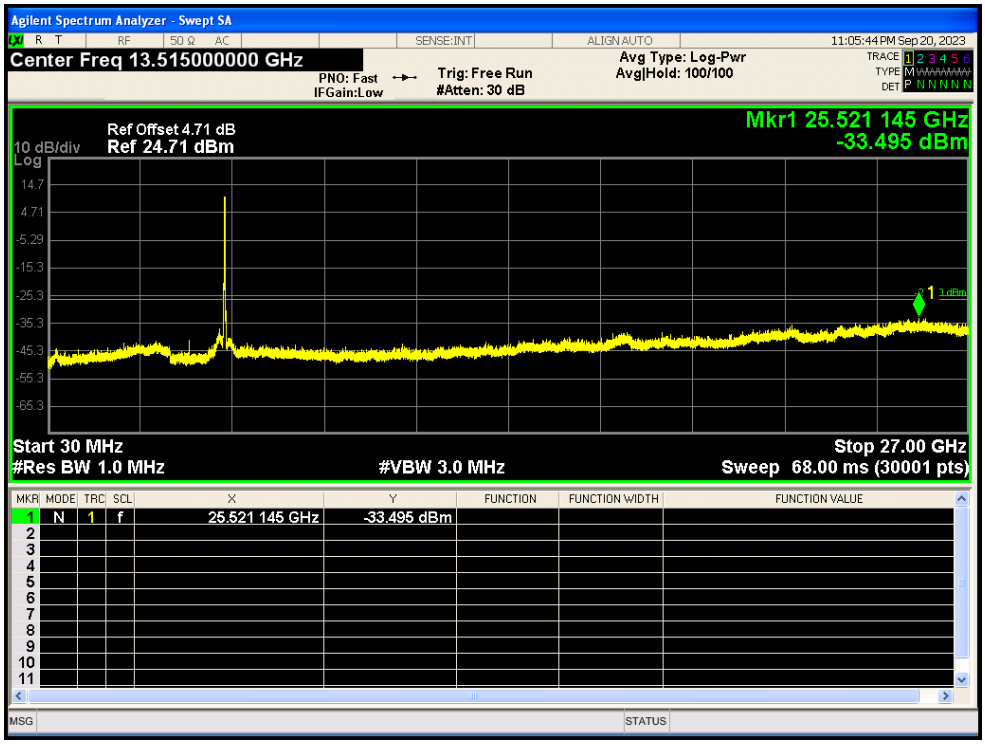
Tx. Spurious NVNT a 5240MHz Ant2 Emission



Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



Tx. Spurious NVNT ac20 5240MHz Ant1 Emission