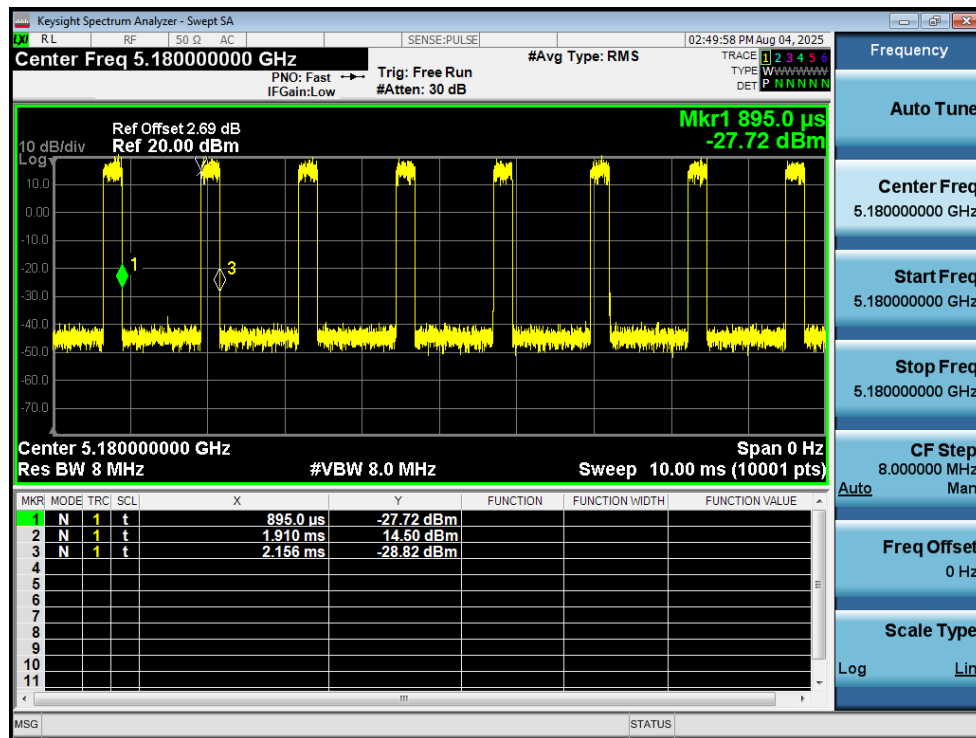


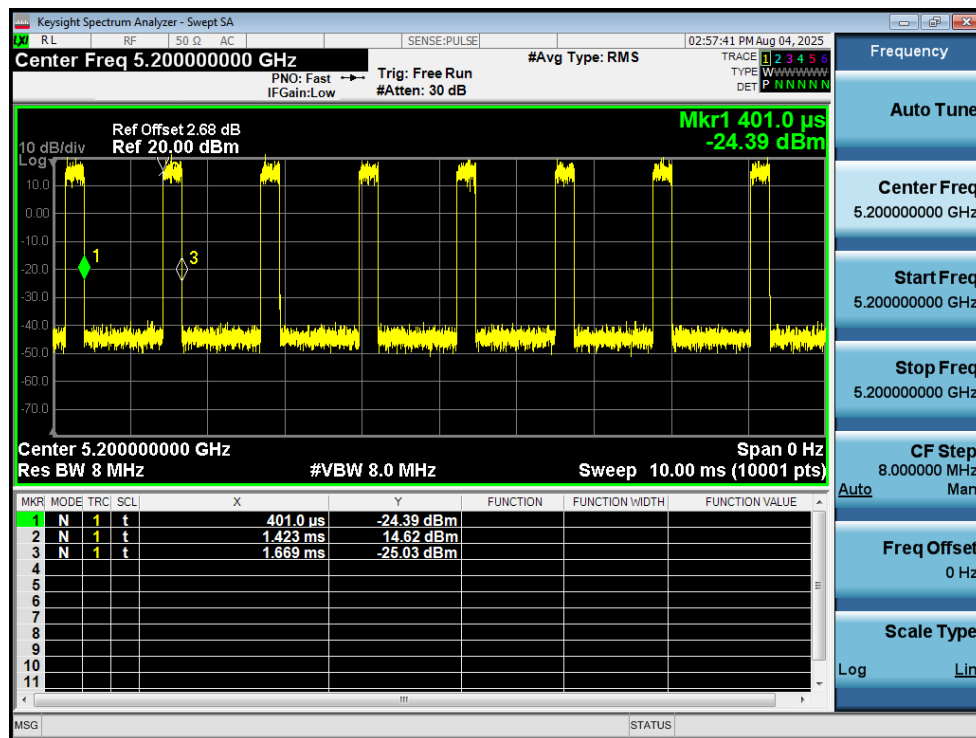
Test Data Appendix of Test Report

1. Duty Cycle

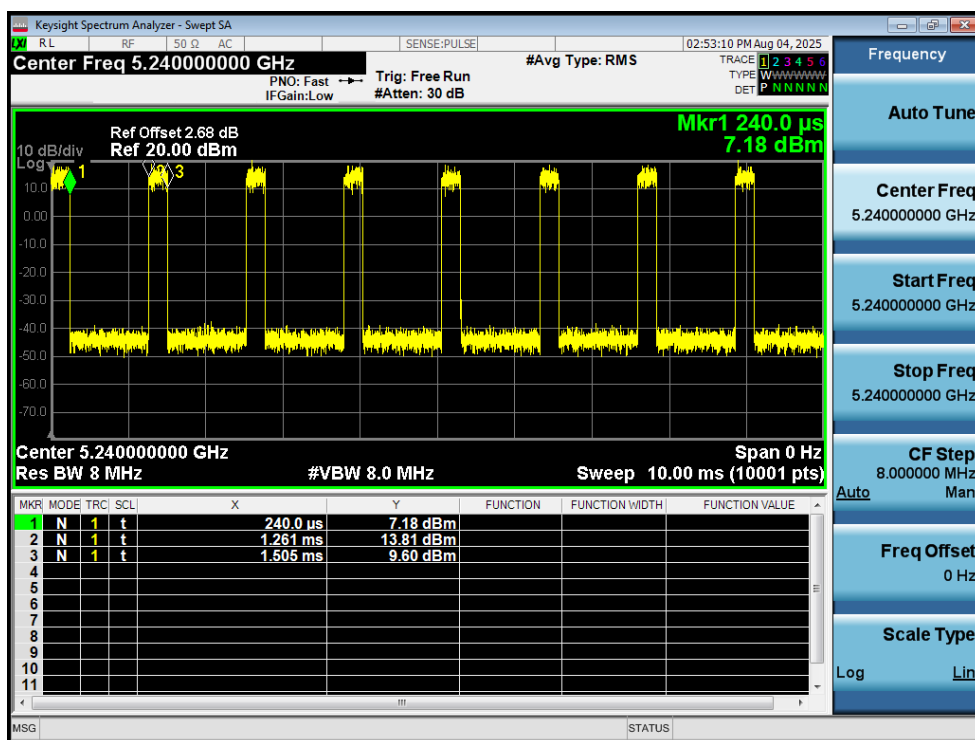
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	19.51	7.1	4.07
NVNT	a	5200	Ant1	19.4	7.12	4.07
NVNT	a	5240	Ant1	19.29	7.15	4.1
NVNT	n20	5180	Ant1	18.05	7.44	4.46
NVNT	n20	5200	Ant1	18.01	7.44	4.46
NVNT	n20	5240	Ant1	18.05	7.44	4.46
NVNT	n40	5190	Ant1	11.31	9.47	7.69
NVNT	n40	5230	Ant1	11.24	9.49	7.75
NVNT	ac20	5180	Ant1	16.16	7.92	5.1
NVNT	ac20	5200	Ant1	16.19	7.91	5.08
NVNT	ac20	5240	Ant1	16.11	7.93	5.1
NVNT	ac40	5190	Ant1	9.74	10.11	9.09
NVNT	ac40	5230	Ant1	9.74	10.11	9.09
NVNT	ax20	5180	Ant1	12.06	9.19	7.14
NVNT	ax20	5200	Ant1	11.98	9.22	7.19
NVNT	ax20	5240	Ant1	12.07	9.18	7.14
NVNT	ax40	5190	Ant1	8.76	10.57	10.2
NVNT	ax40	5230	Ant1	8.85	10.53	10.1



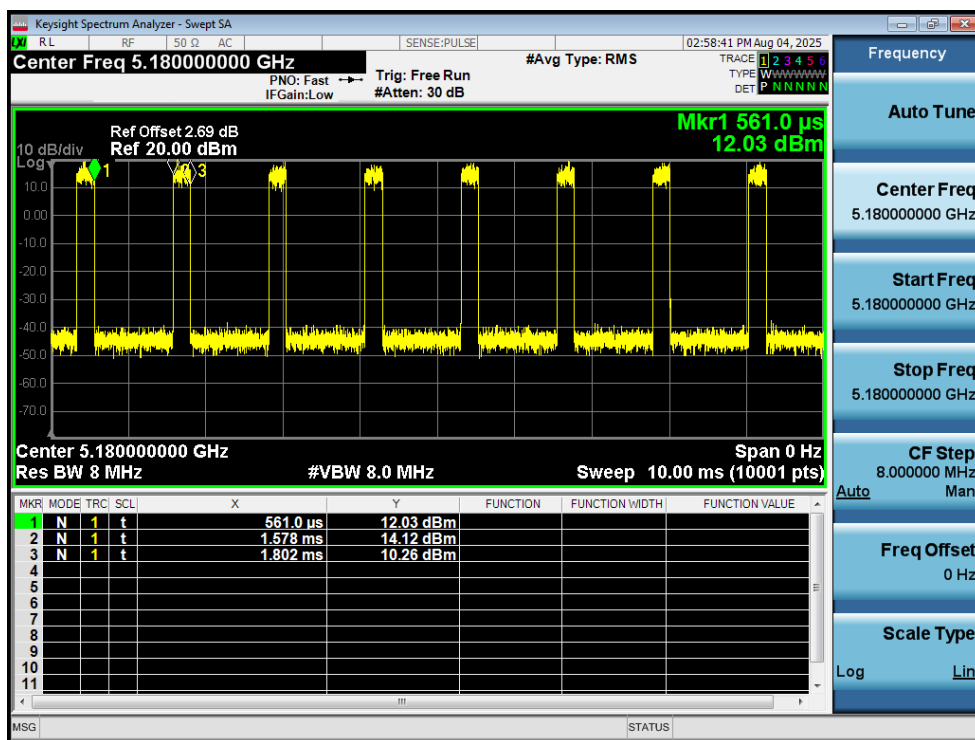
Duty Cycle NVNT a 5180MHz Ant1



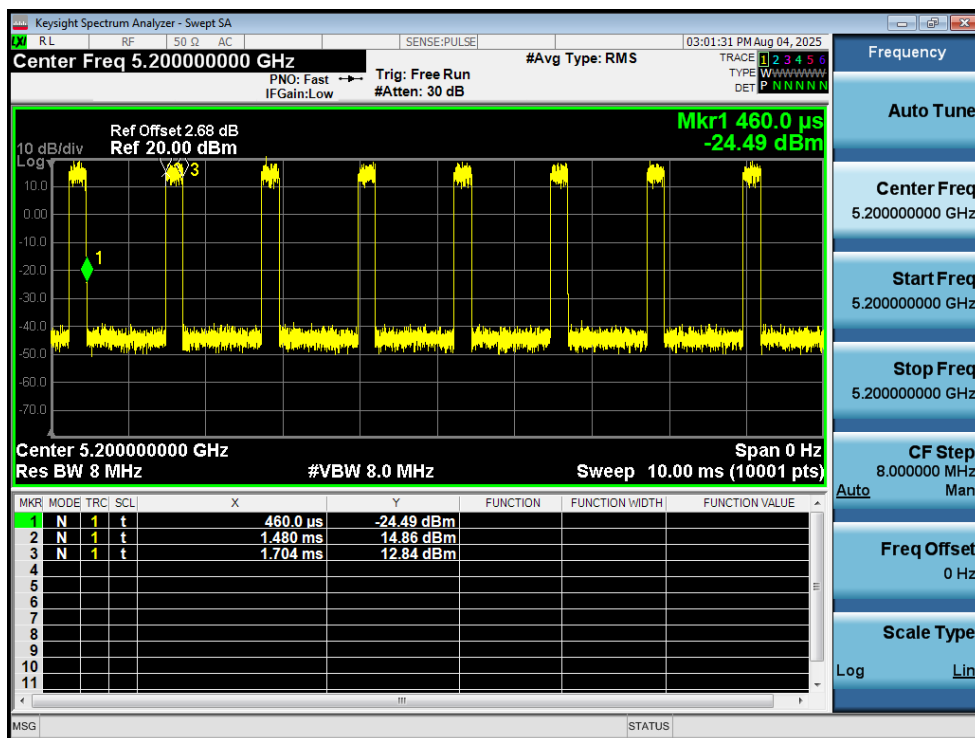
Duty Cycle NVNT a 5200MHz Ant1



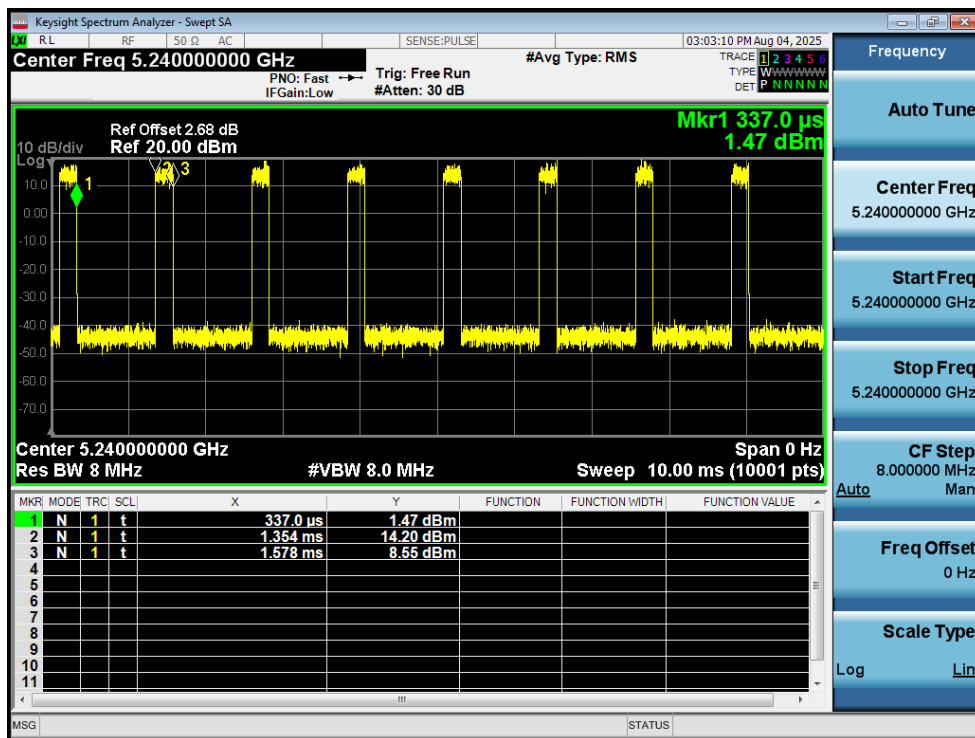
Duty Cycle NVNT a 5240MHz Ant1



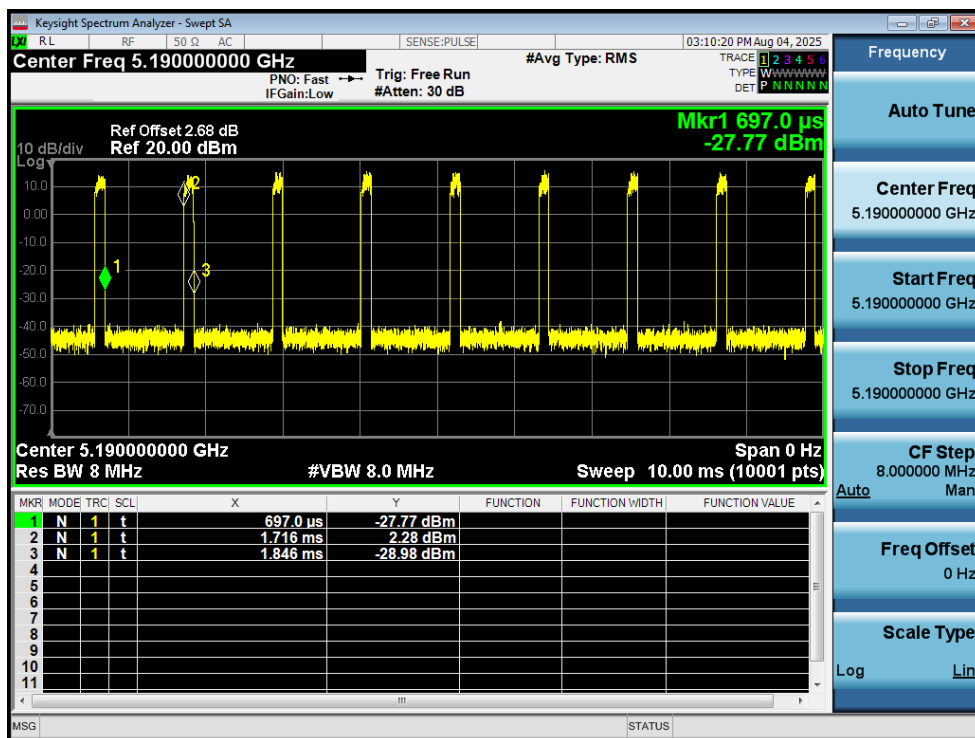
Duty Cycle NVNT n20 5180MHz Ant1



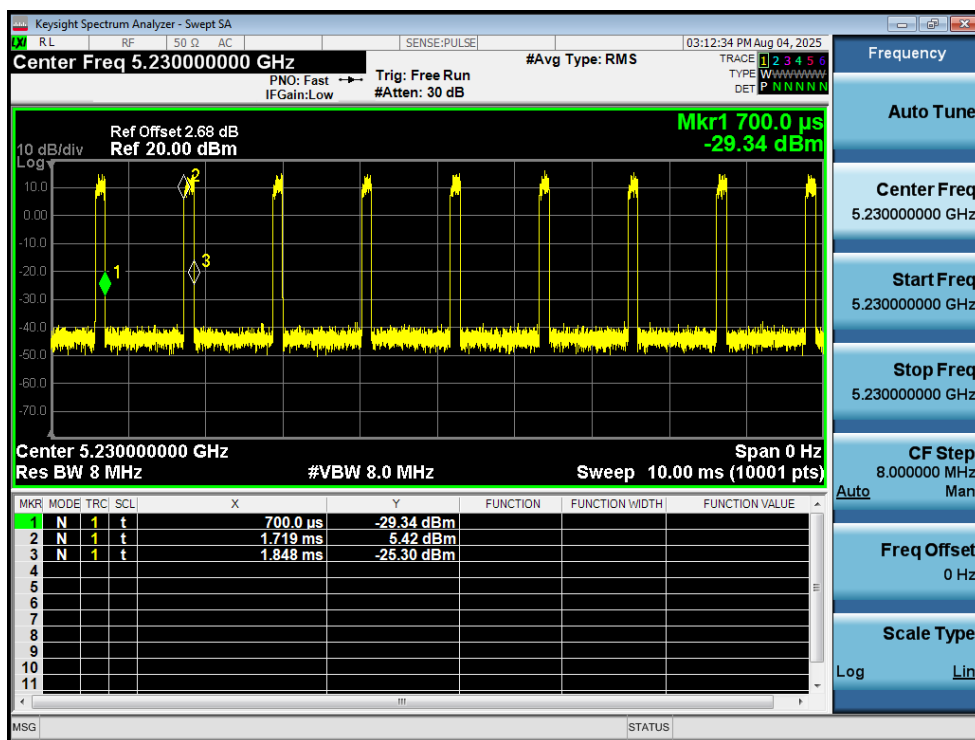
Duty Cycle NVNT n20 5200MHz Ant1



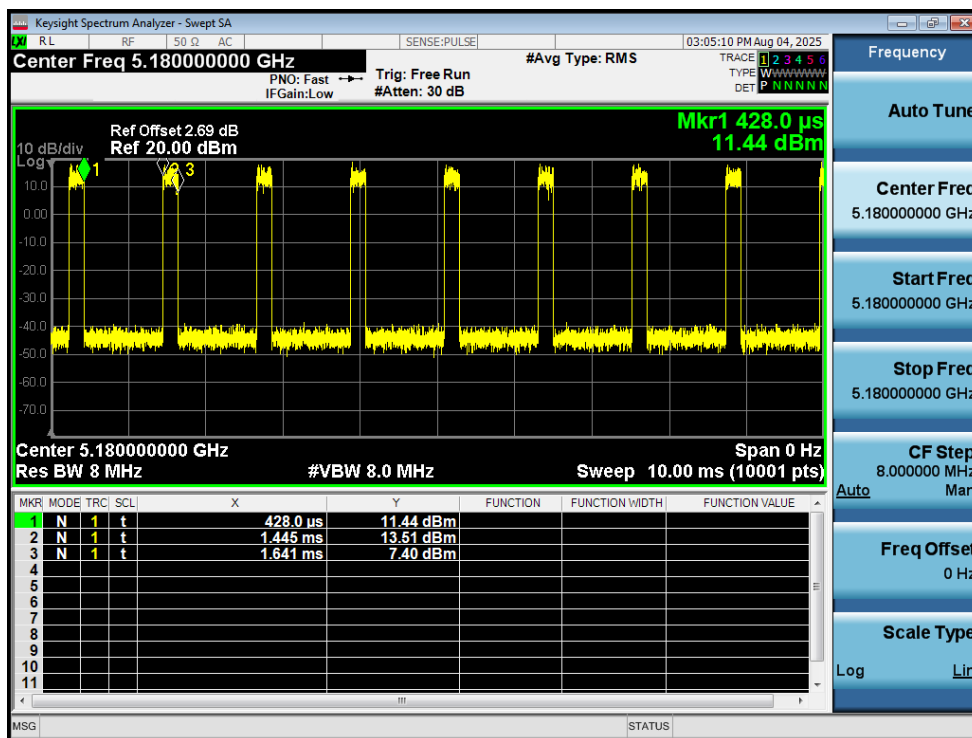
Duty Cycle NVNT n20 5240MHz Ant1



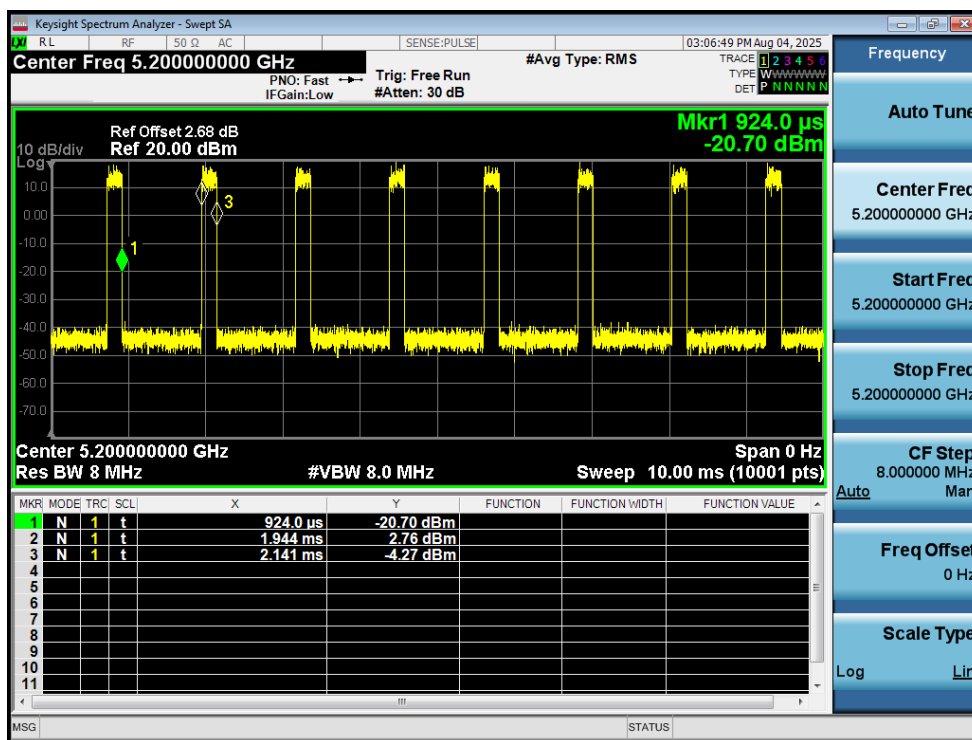
Duty Cycle NVNT n40 5190MHz Ant1



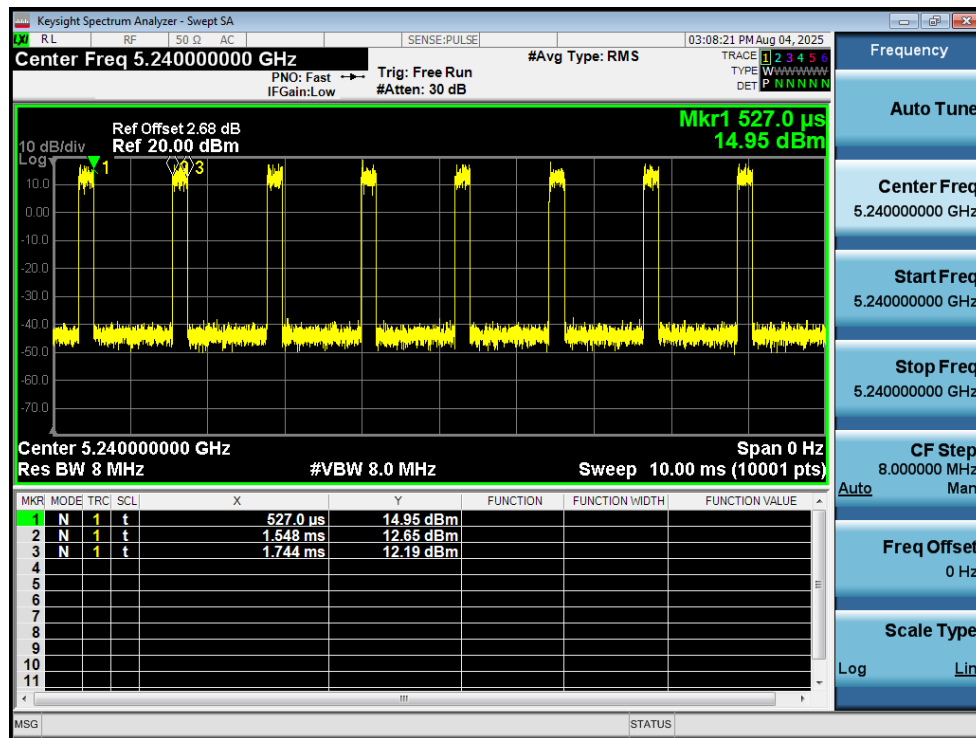
Duty Cycle NVNT n40 5230MHz Ant1



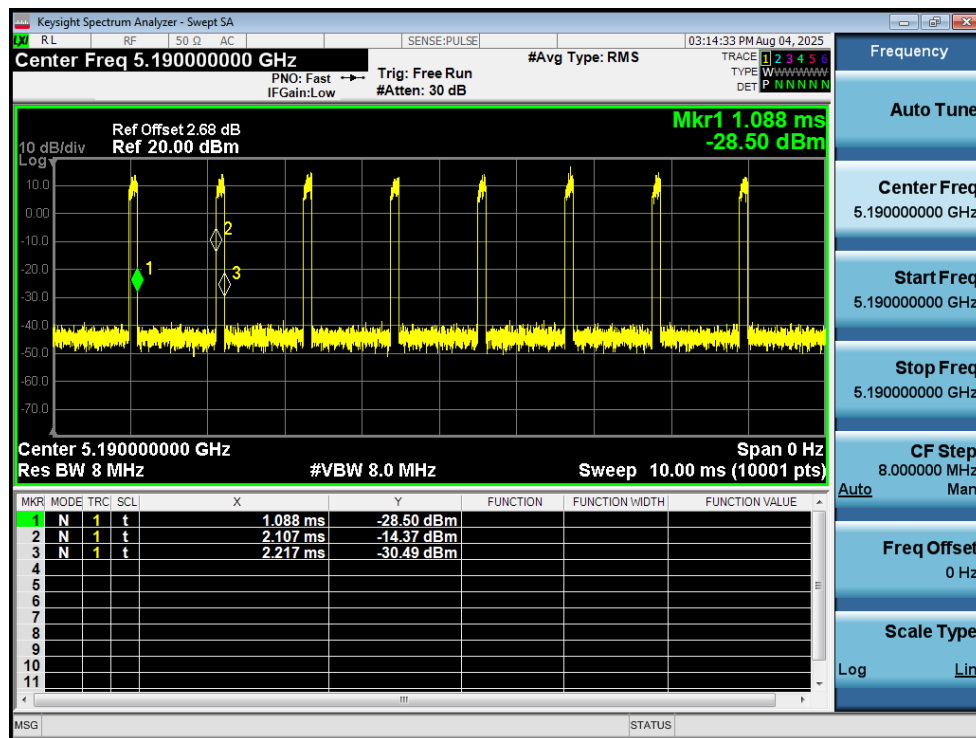
Duty Cycle NVNT ac20 5180MHz Ant1



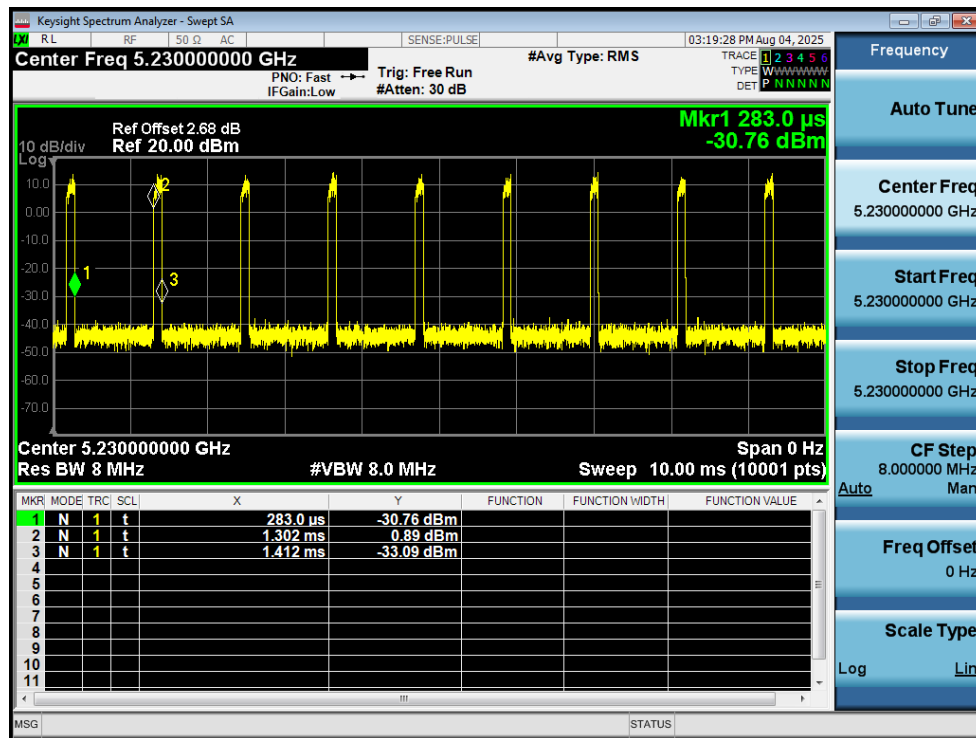
Duty Cycle NVNT ac20 5200MHz Ant1



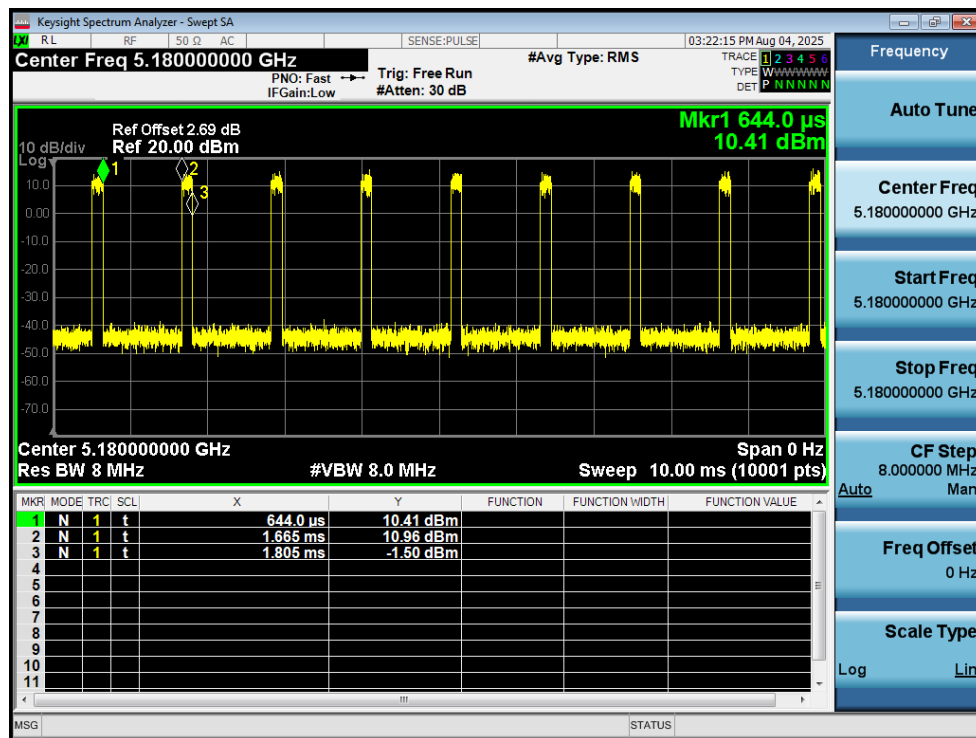
Duty Cycle NVNT ac20 5240MHz Ant1



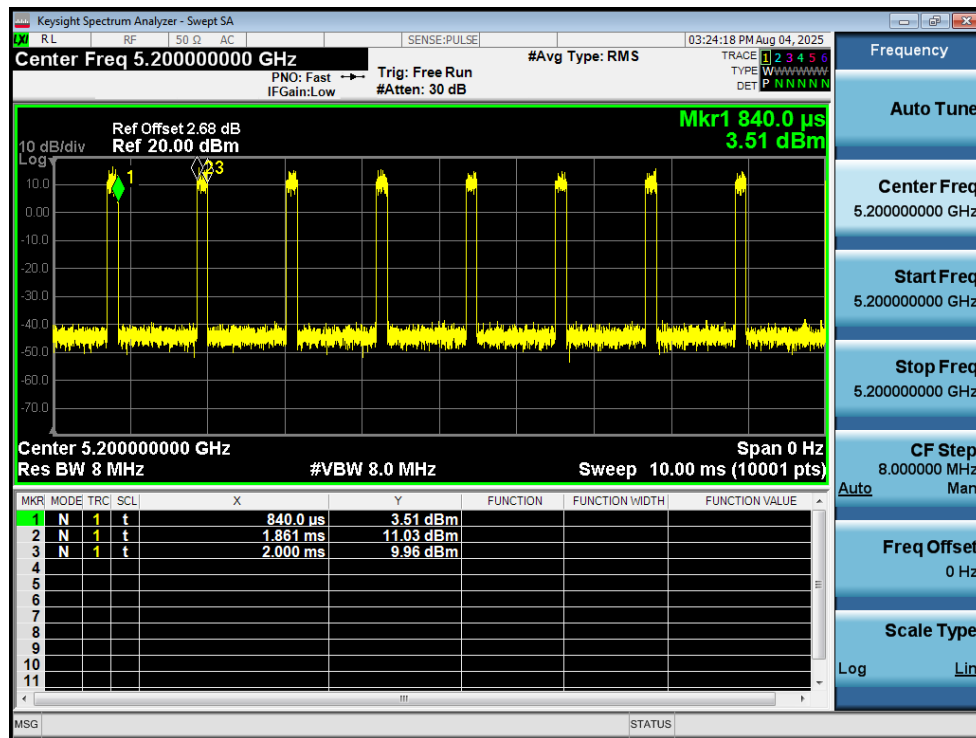
Duty Cycle NVNT ac40 5190MHz Ant1



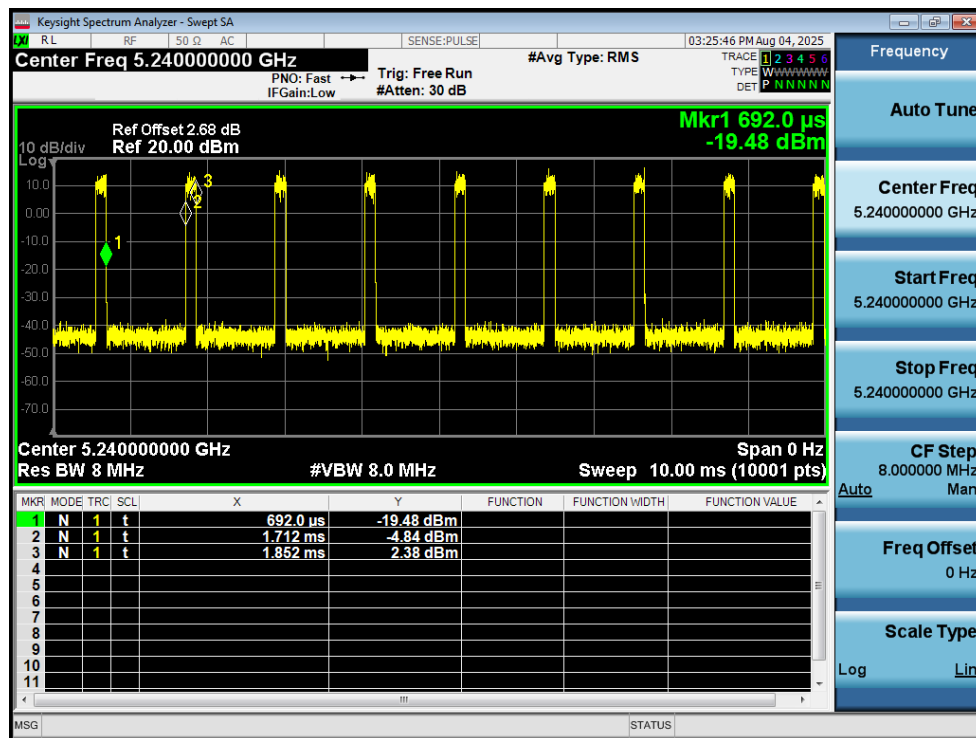
Duty Cycle NVNT ac40 5230MHz Ant1



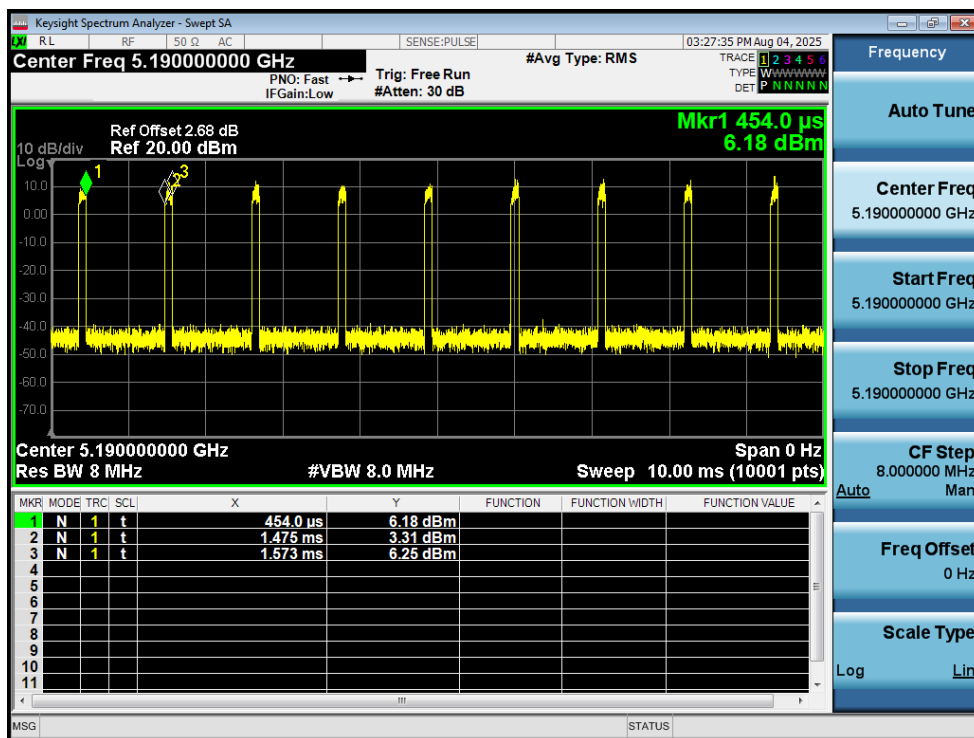
Duty Cycle NVNT ax20 5180MHz Ant1



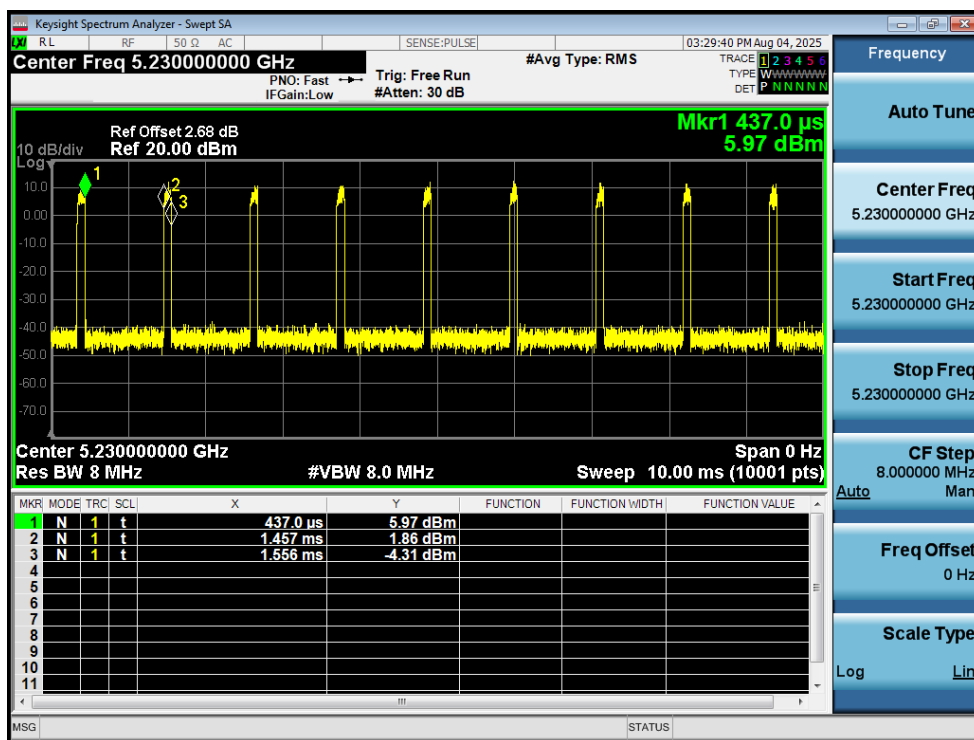
Duty Cycle NVNT ax20 5200MHz Ant1



Duty Cycle NVNT ax20 5240MHz Ant1



Duty Cycle NVNT ax40 5190MHz Ant1

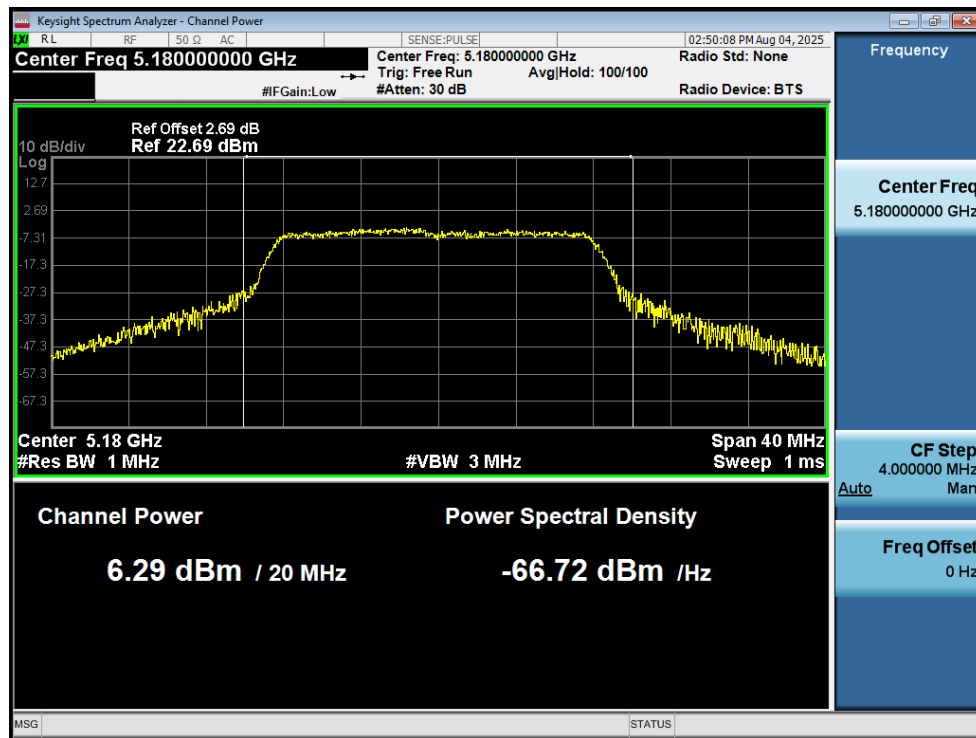


Duty Cycle NVNT ax40 5230MHz Ant1

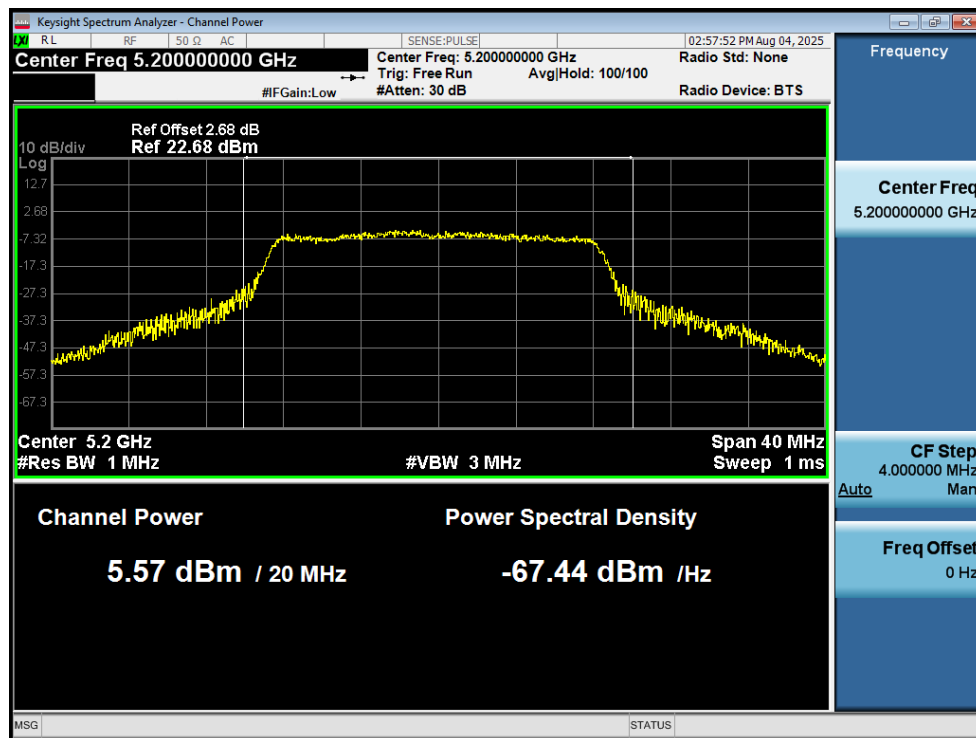
2. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	6.29	7.1	13.39	24	Pass
NVNT	a	5200	Ant1	5.57	7.12	12.69	24	Pass
NVNT	a	5240	Ant1	4.96	7.15	12.11	24	Pass
NVNT	n20	5180	Ant1	4.54	7.44	11.98	24	Pass
NVNT	n20	5200	Ant1	5.42	7.44	12.86	24	Pass
NVNT	n20	5240	Ant1	4.23	7.44	11.67	24	Pass
NVNT	n40	5190	Ant1	3.11	9.47	12.58	24	Pass
NVNT	n40	5230	Ant1	3.05	9.49	12.54	24	Pass
NVNT	ac20	5180	Ant1	4.1	7.92	12.02	24	Pass
NVNT	ac20	5200	Ant1	3.2	7.91	11.11	24	Pass
NVNT	ac20	5240	Ant1	2.78	7.93	10.71	24	Pass
NVNT	ac40	5190	Ant1	1.36	10.11	11.47	24	Pass
NVNT	ac40	5230	Ant1	0.46	10.11	10.57	24	Pass
NVNT	ax20	5180	Ant1	0.23	9.19	9.42	24	Pass
NVNT	ax20	5200	Ant1	0.12	9.22	9.34	24	Pass
NVNT	ax20	5240	Ant1	-0.73	9.18	8.45	24	Pass
NVNT	ax40	5190	Ant1	-0.98	10.57	9.59	24	Pass
NVNT	ax40	5230	Ant1	-1.5	10.53	9.03	24	Pass

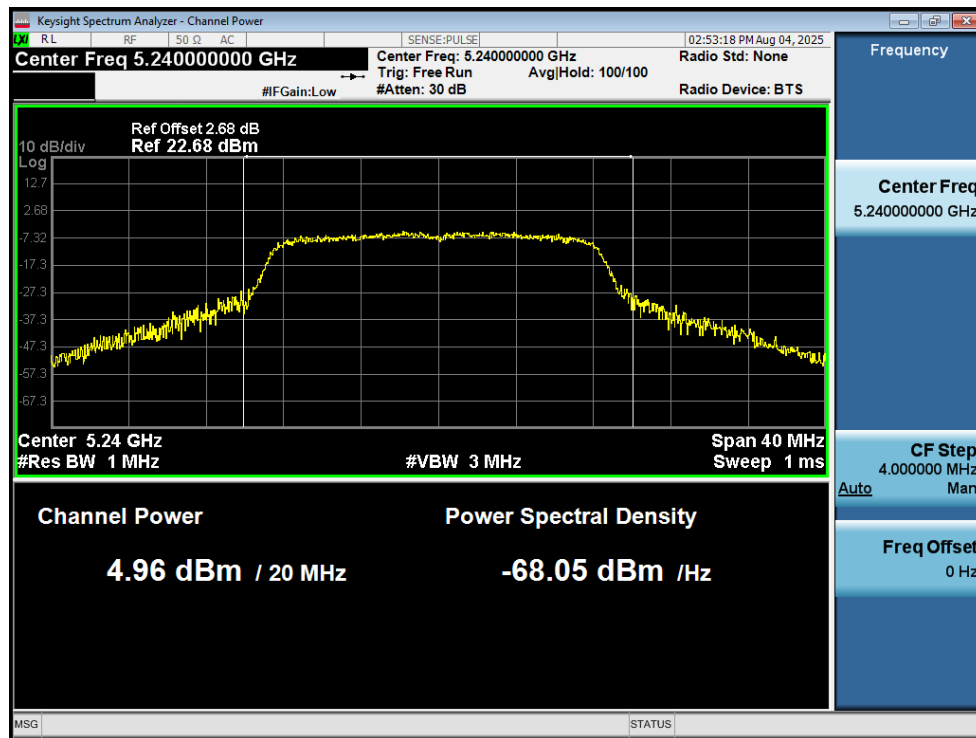
Note 1: Total power=Conducted power + Duty factor



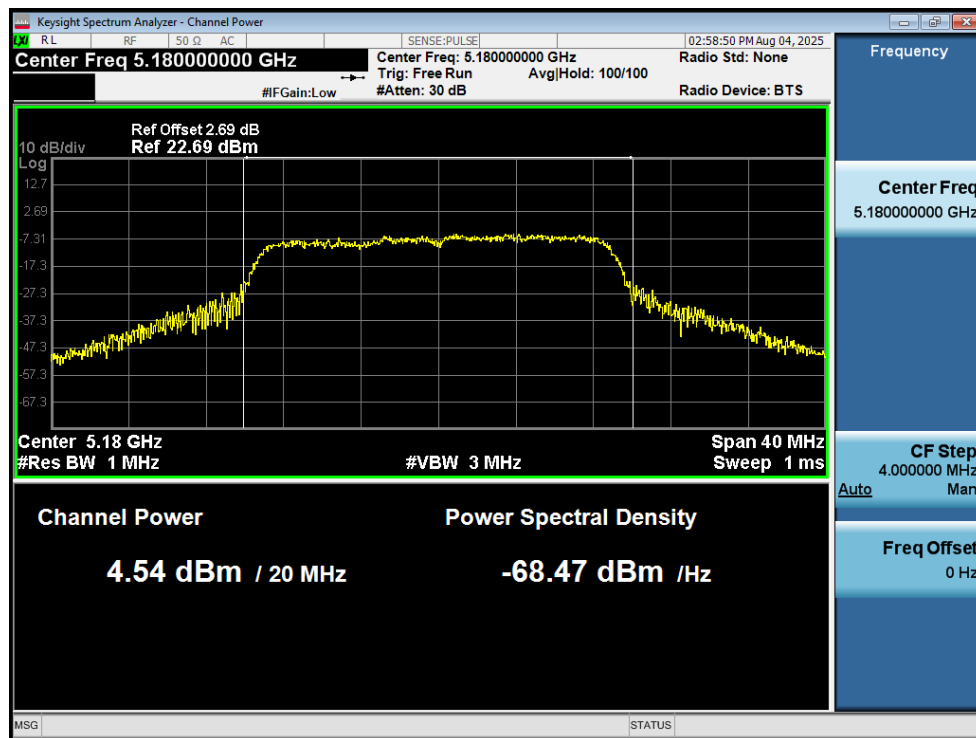
Power NVNT a 5180MHz Ant1



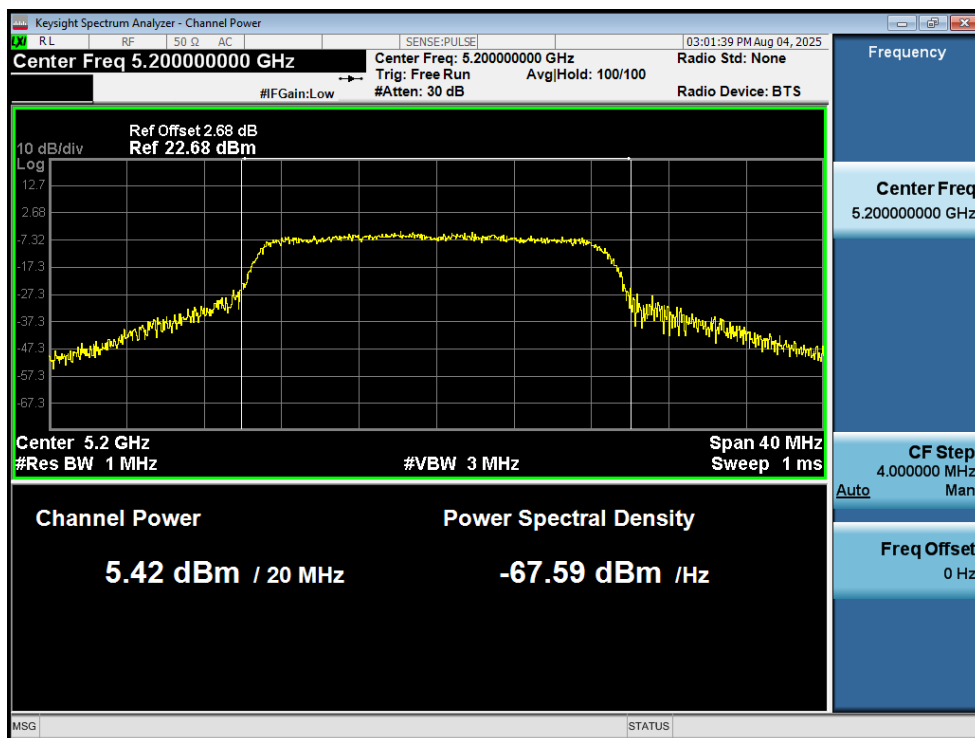
Power NVNT a 5200MHz Ant1



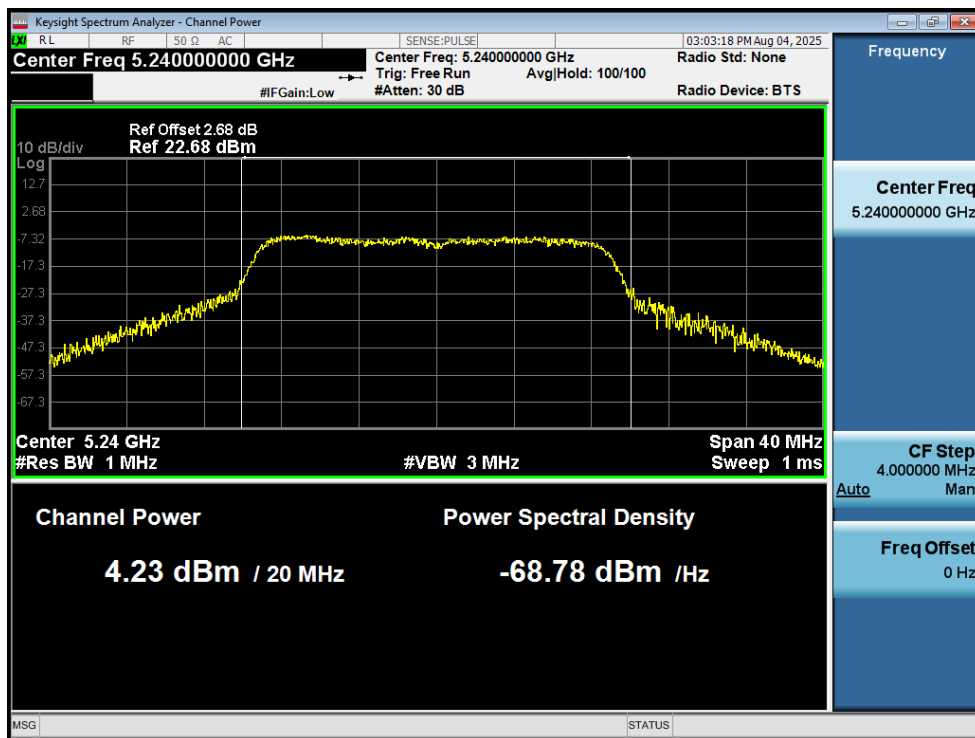
Power NVNT a 5240MHz Ant1



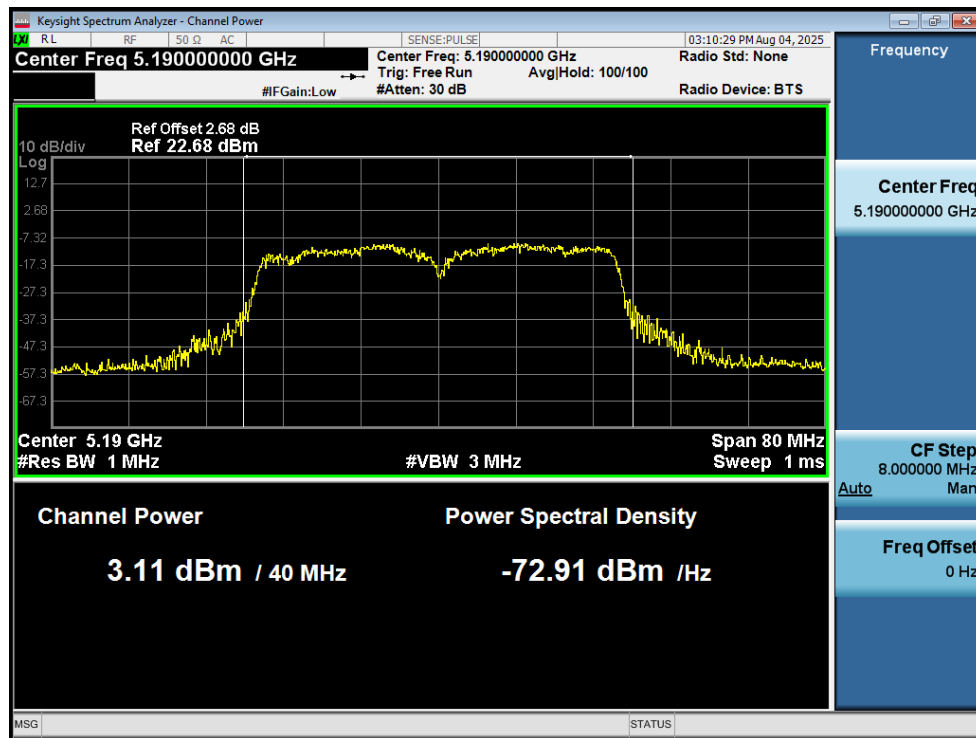
Power NVNT n20 5180MHz Ant1



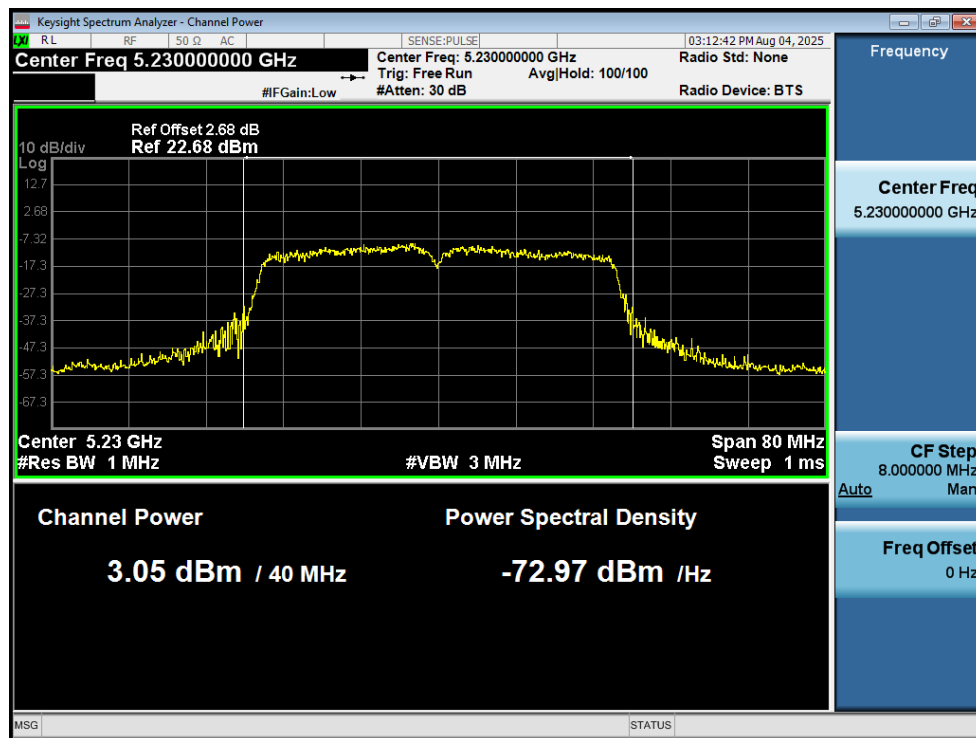
Power NVNT n20 5200MHz Ant1



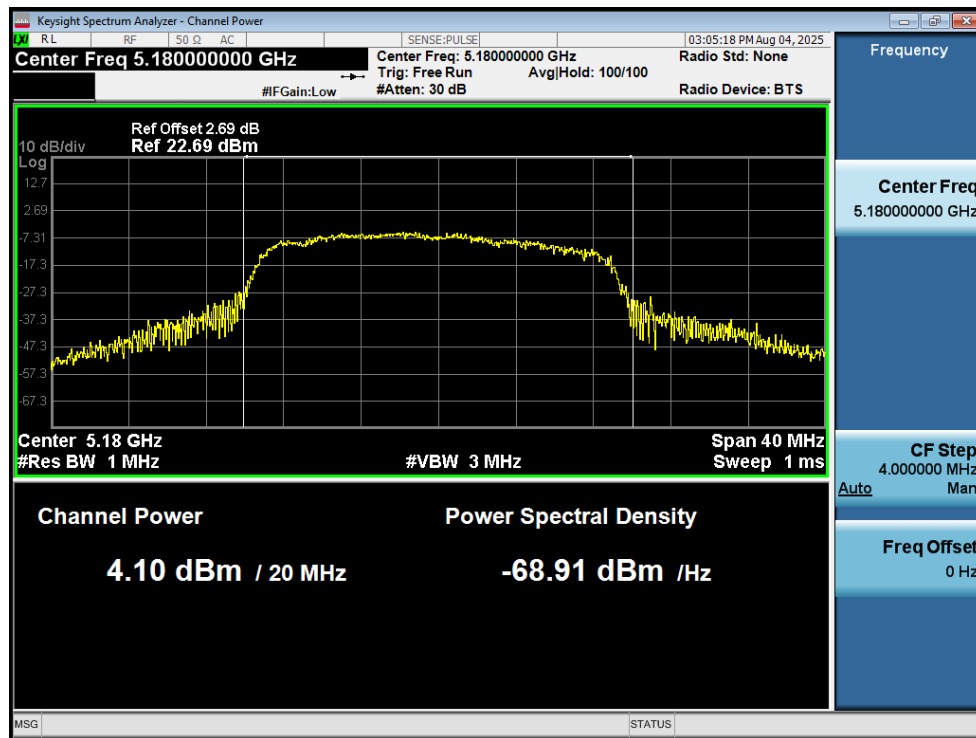
Power NVNT n20 5240MHz Ant1



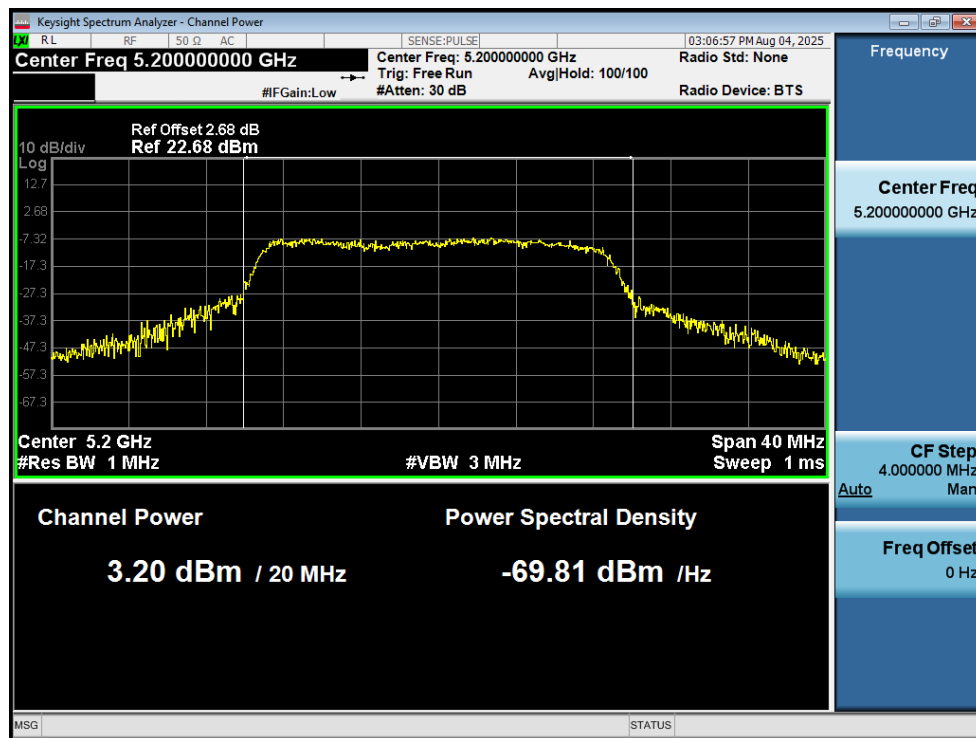
Power NVNT n40 5190MHz Ant1



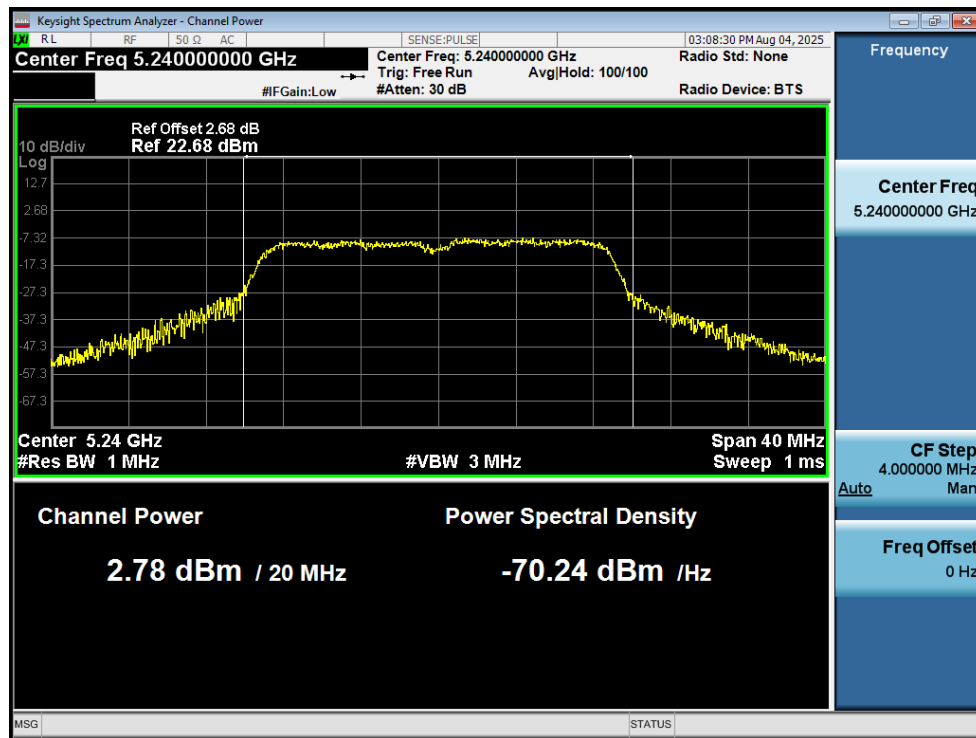
Power NVNT n40 5230MHz Ant1



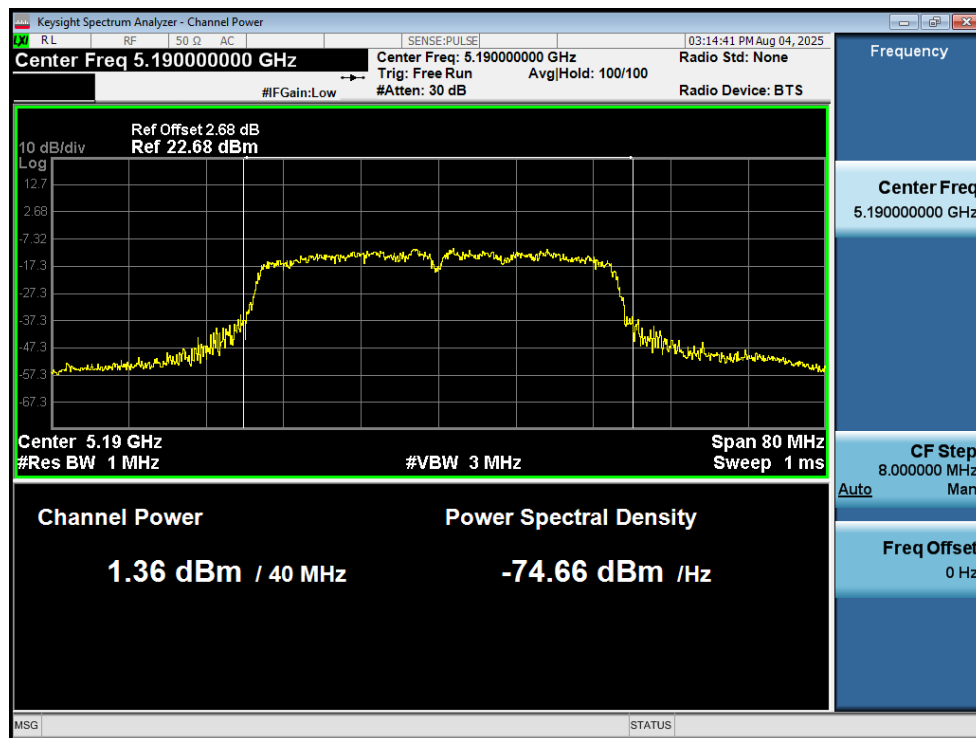
Power NVNT ac20 5180MHz Ant1



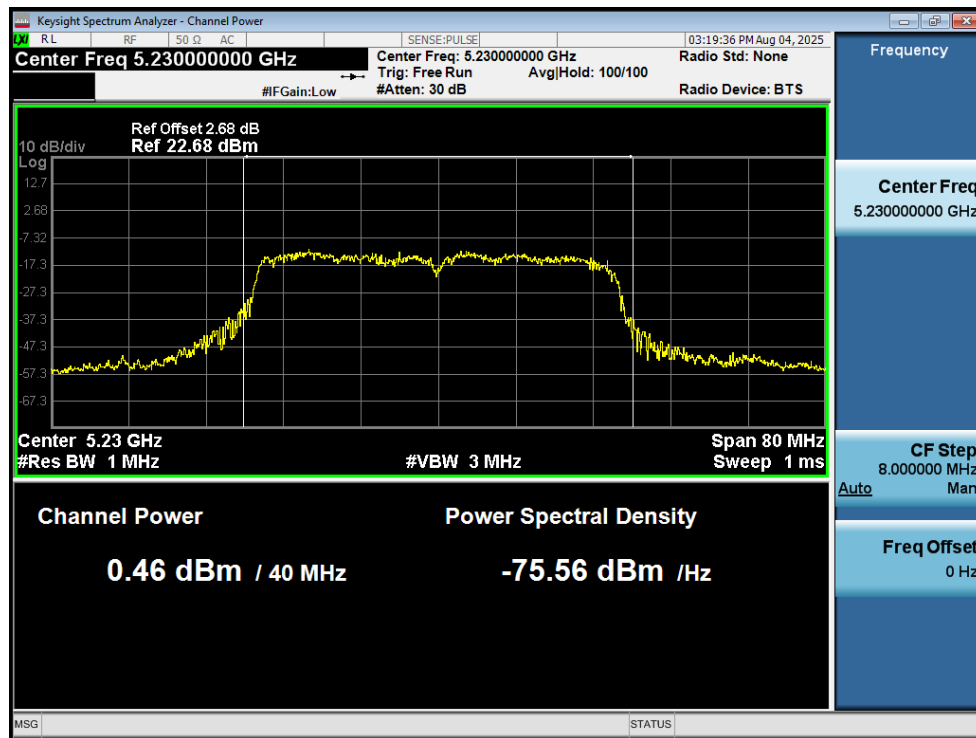
Power NVNT ac20 5200MHz Ant1



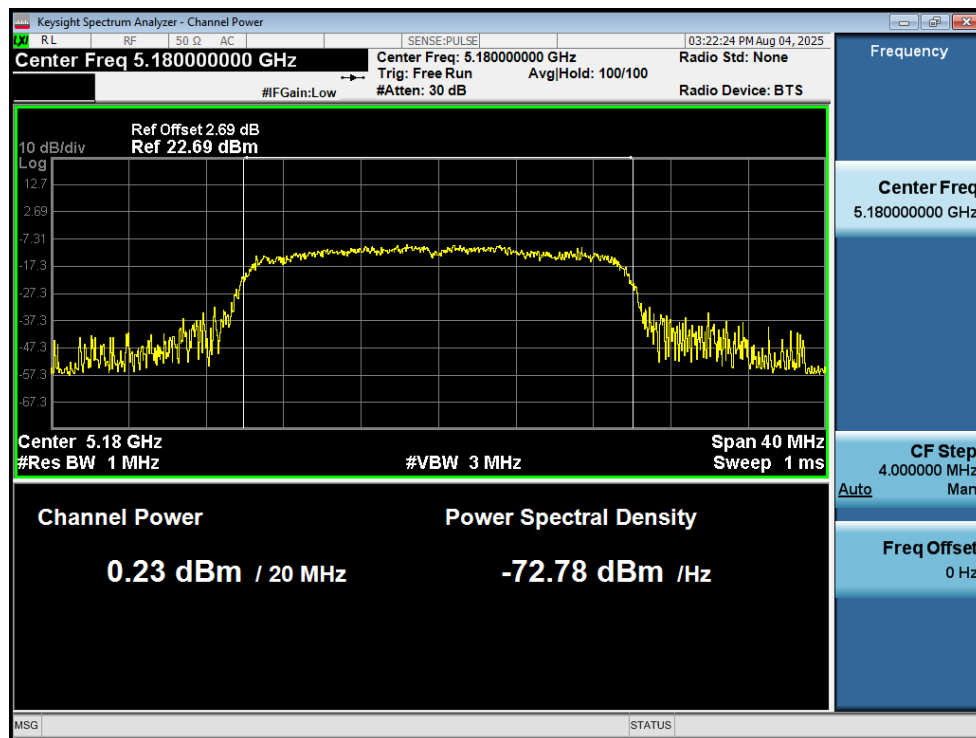
Power NVNT ac20 5240MHz Ant1



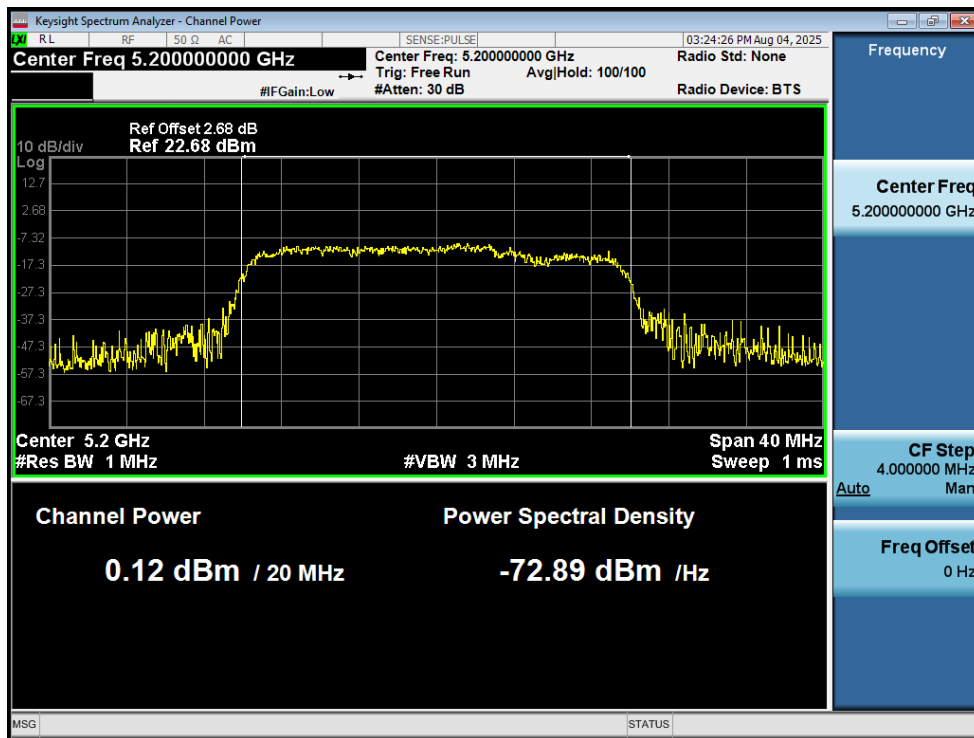
Power NVNT ac40 5190MHz Ant1



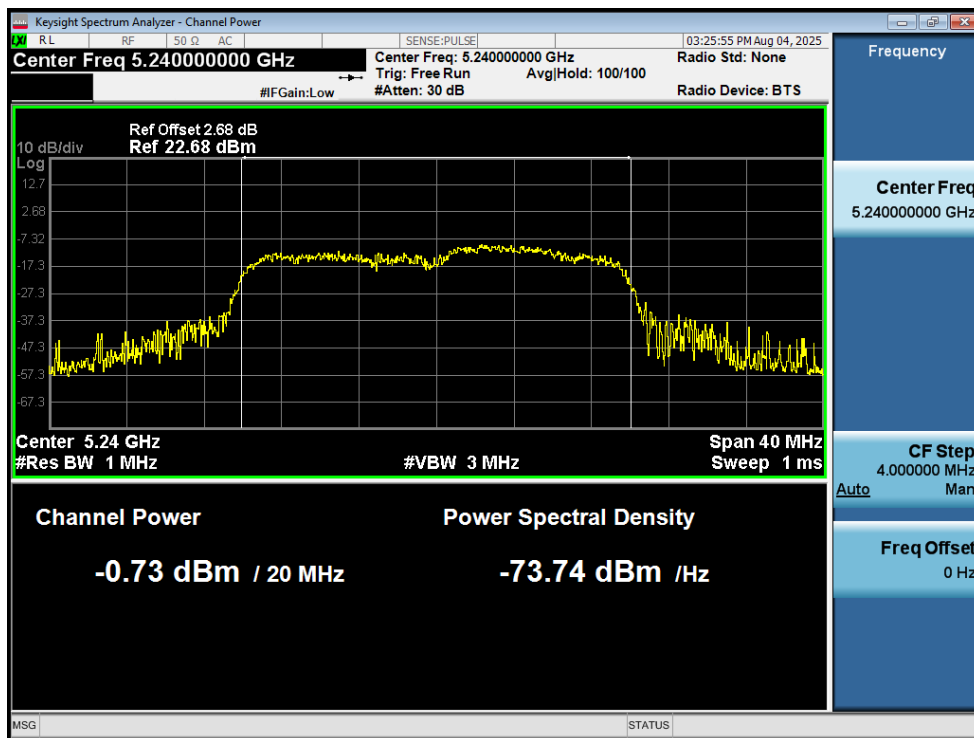
Power NVNT ac40 5230MHz Ant1



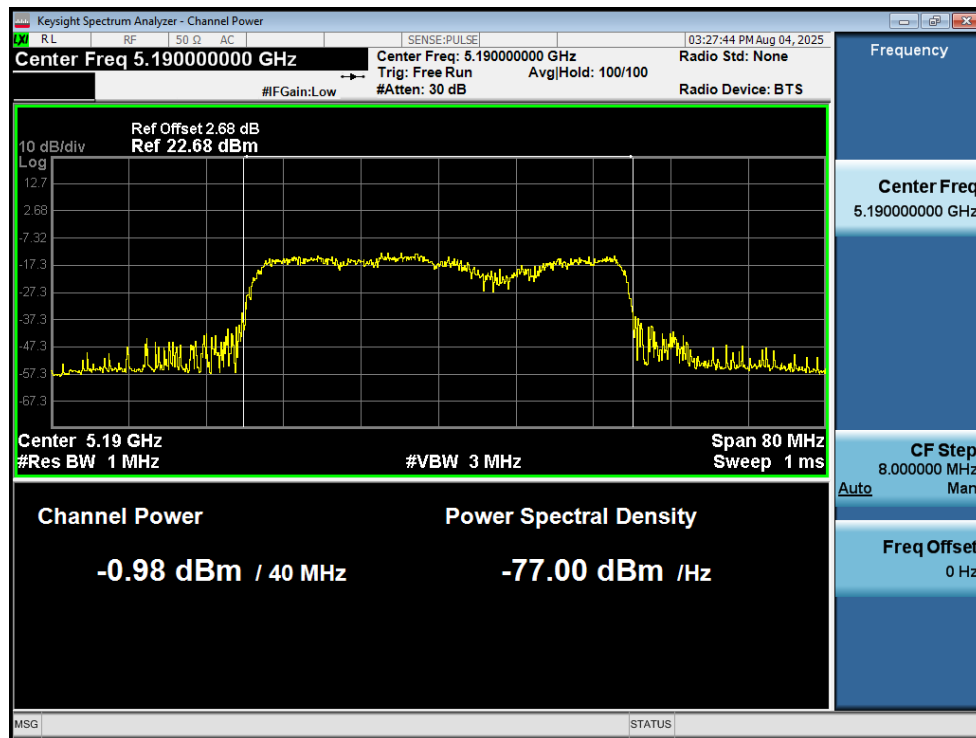
Power NVNT ax20 5180MHz Ant1



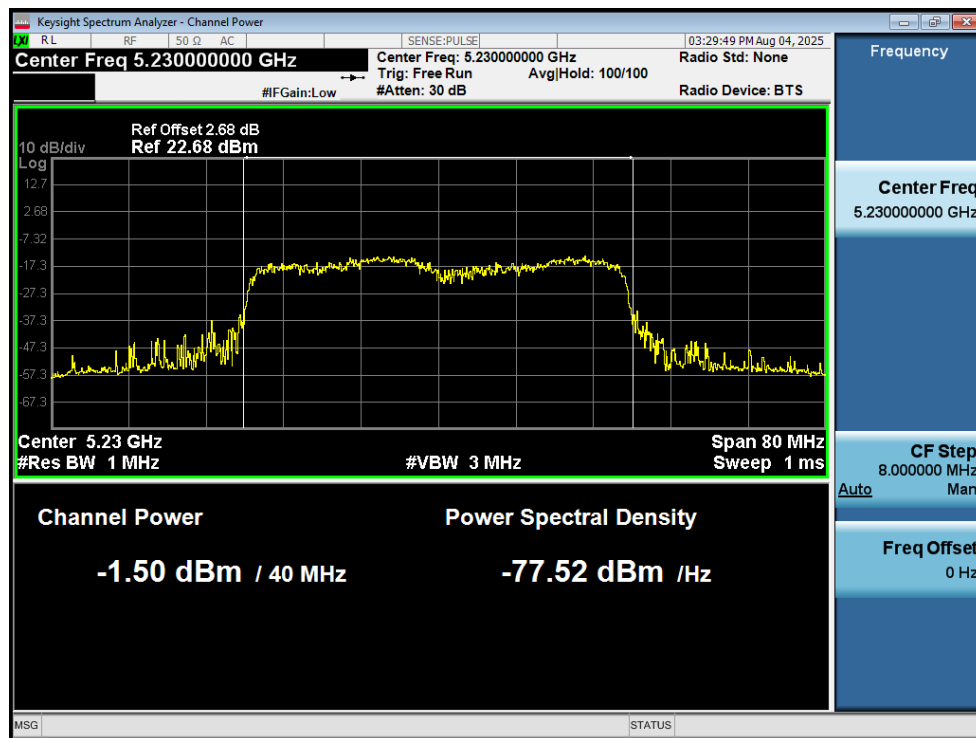
Power NVNT ax20 5200MHz Ant1



Power NVNT ax20 5240MHz Ant1



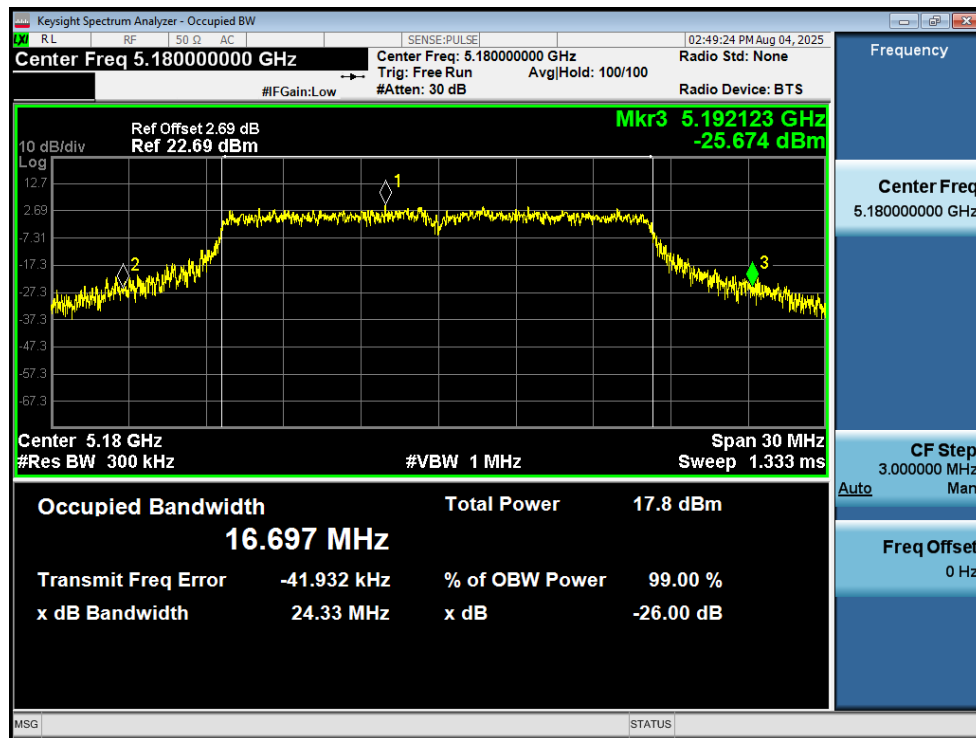
Power NVNT ax40 5190MHz Ant1



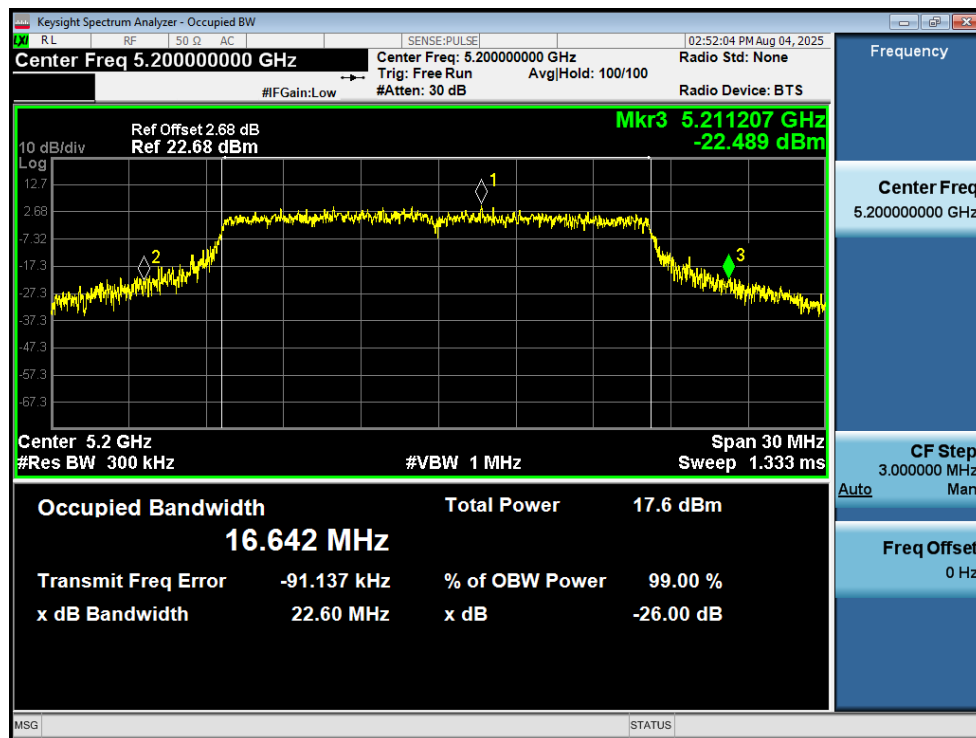
Power NVNT ax40 5230MHz Ant1

3. -26dB Bandwidth

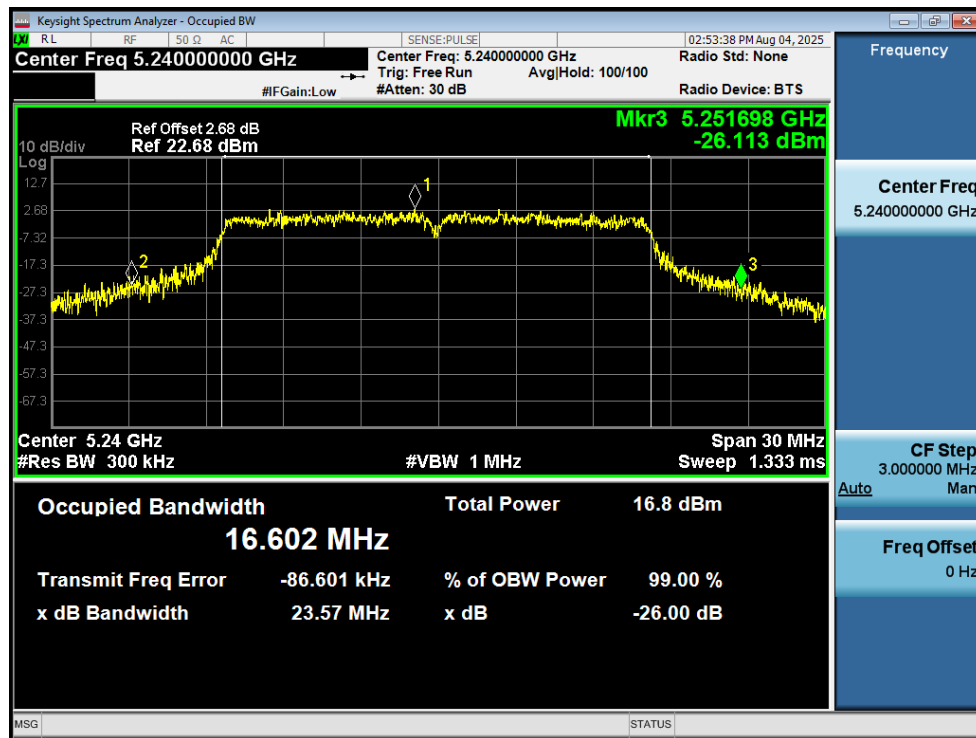
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	24.33	Pass
NVNT	a	5200	Ant1	22.60	Pass
NVNT	a	5240	Ant1	23.57	Pass
NVNT	n20	5180	Ant1	25.90	Pass
NVNT	n20	5200	Ant1	24.59	Pass
NVNT	n20	5240	Ant1	24.21	Pass
NVNT	n40	5190	Ant1	45.65	Pass
NVNT	n40	5230	Ant1	45.27	Pass
NVNT	ac20	5180	Ant1	25.44	Pass
NVNT	ac20	5200	Ant1	25.86	Pass
NVNT	ac20	5240	Ant1	24.85	Pass
NVNT	ac40	5190	Ant1	45.25	Pass
NVNT	ac40	5230	Ant1	45.68	Pass
NVNT	ax20	5180	Ant1	25.96	Pass
NVNT	ax20	5200	Ant1	27.57	Pass
NVNT	ax20	5240	Ant1	25.60	Pass
NVNT	ax40	5190	Ant1	55.43	Pass
NVNT	ax40	5230	Ant1	51.82	Pass



-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1



-26dB Bandwidth NVNT a 5240MHz Ant1



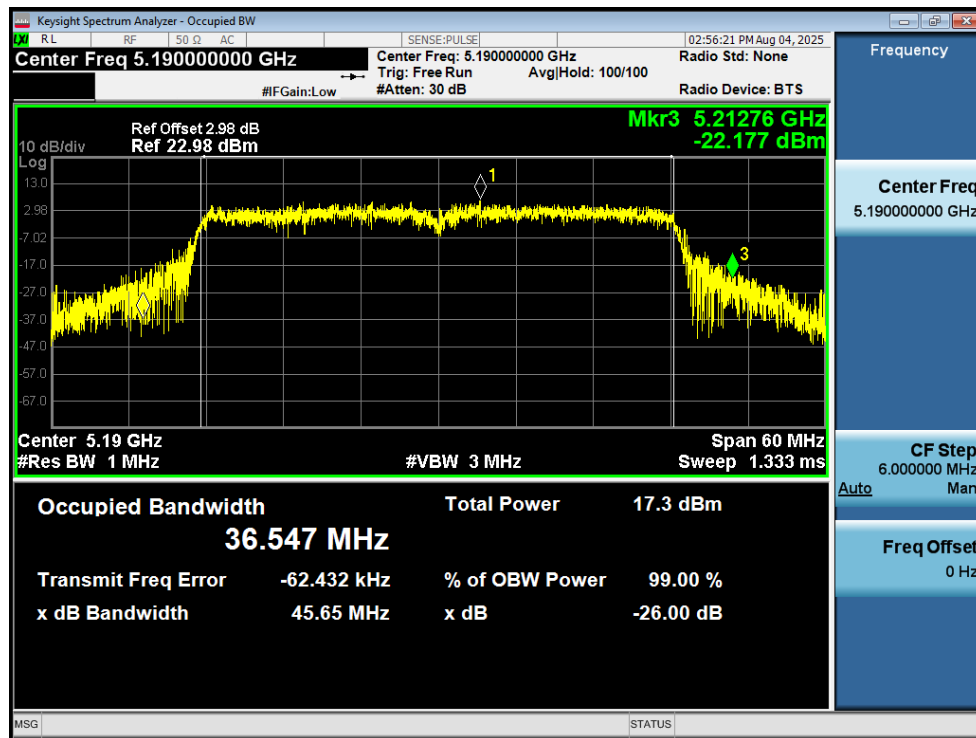
-26dB Bandwidth NVNT n20 5180MHz Ant1



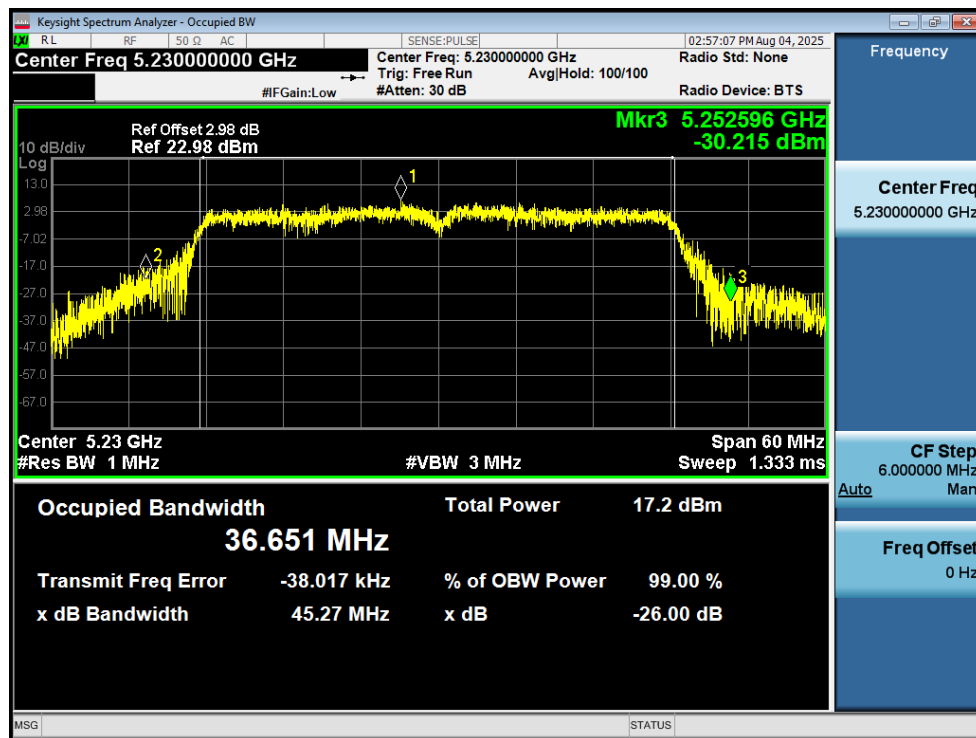
-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



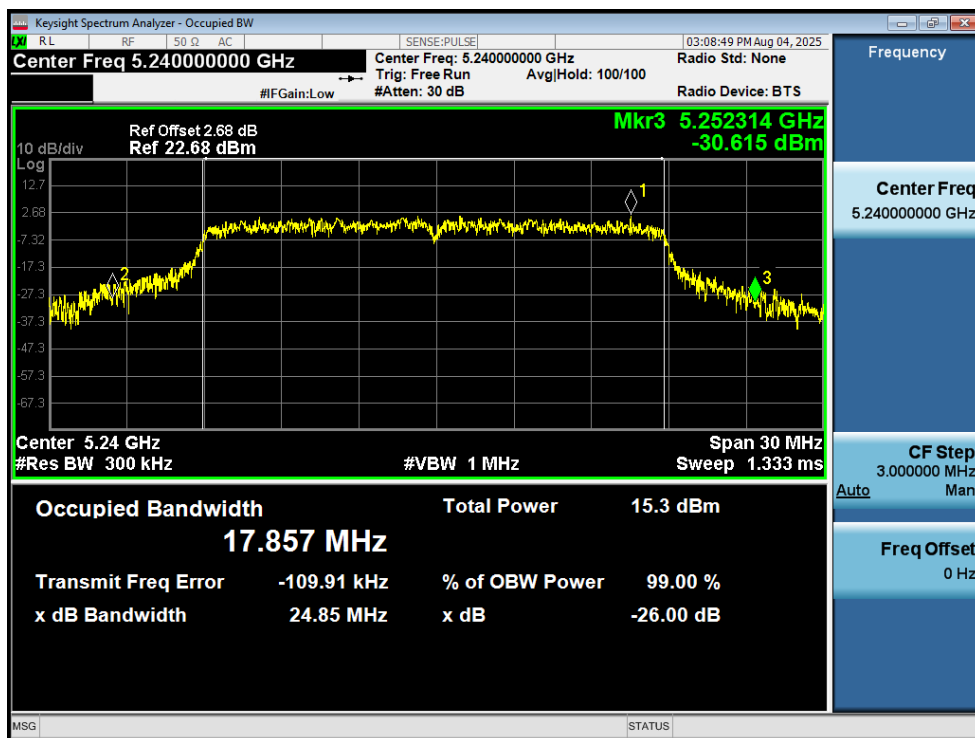
-26dB Bandwidth NVNT n40 5230MHz Ant1



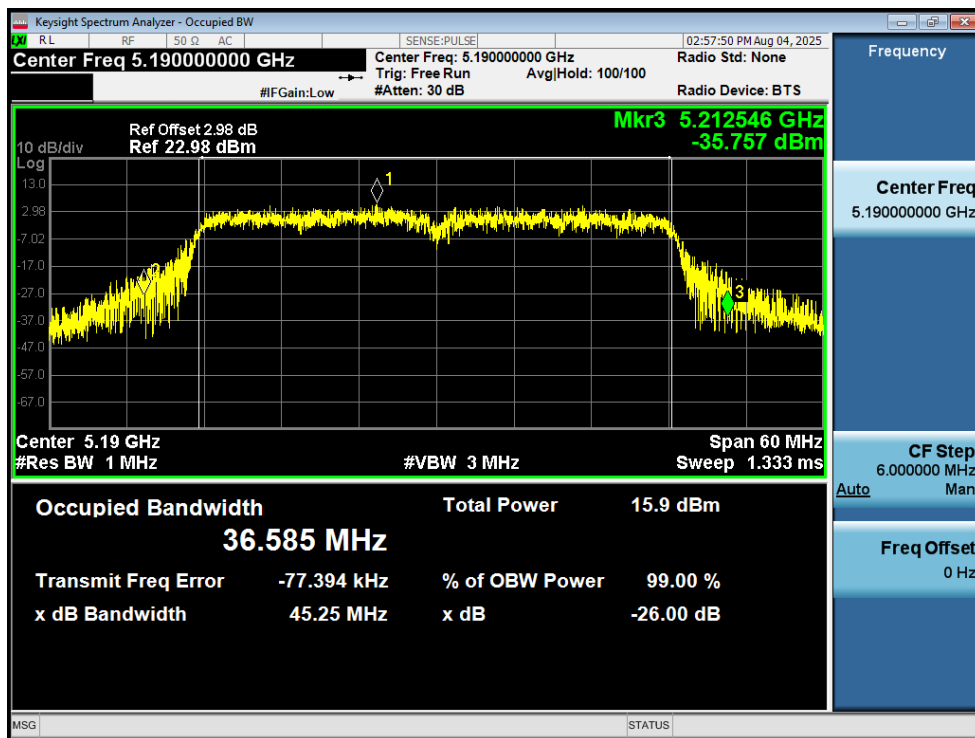
-26dB Bandwidth NVNT ac20 5180MHz Ant1



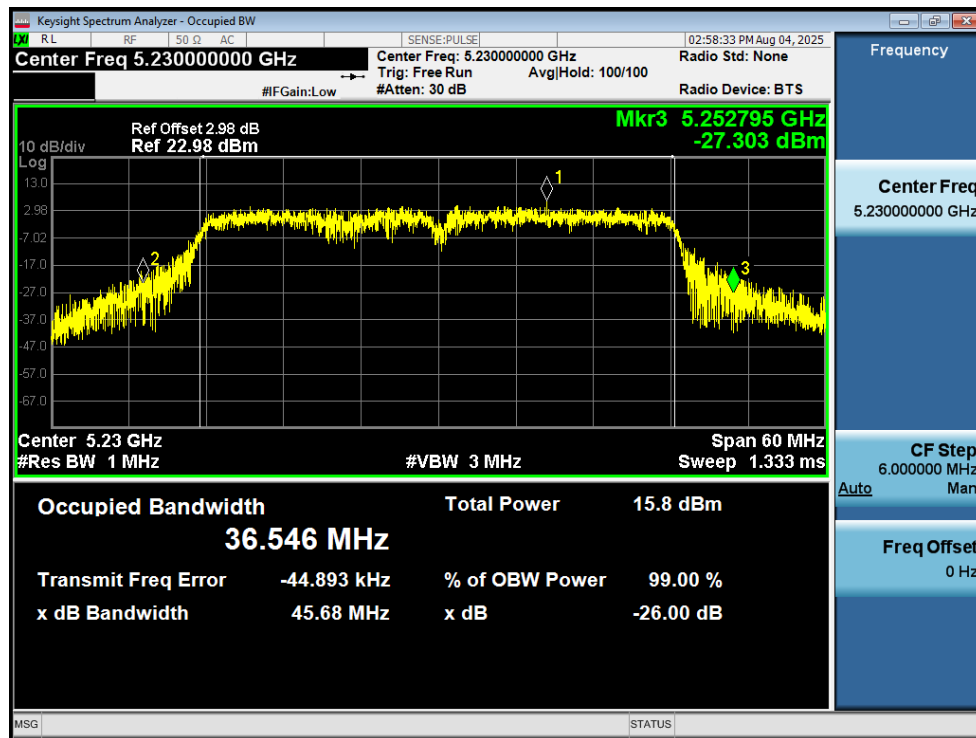
-26dB Bandwidth NVNT ac20 5200MHz Ant1



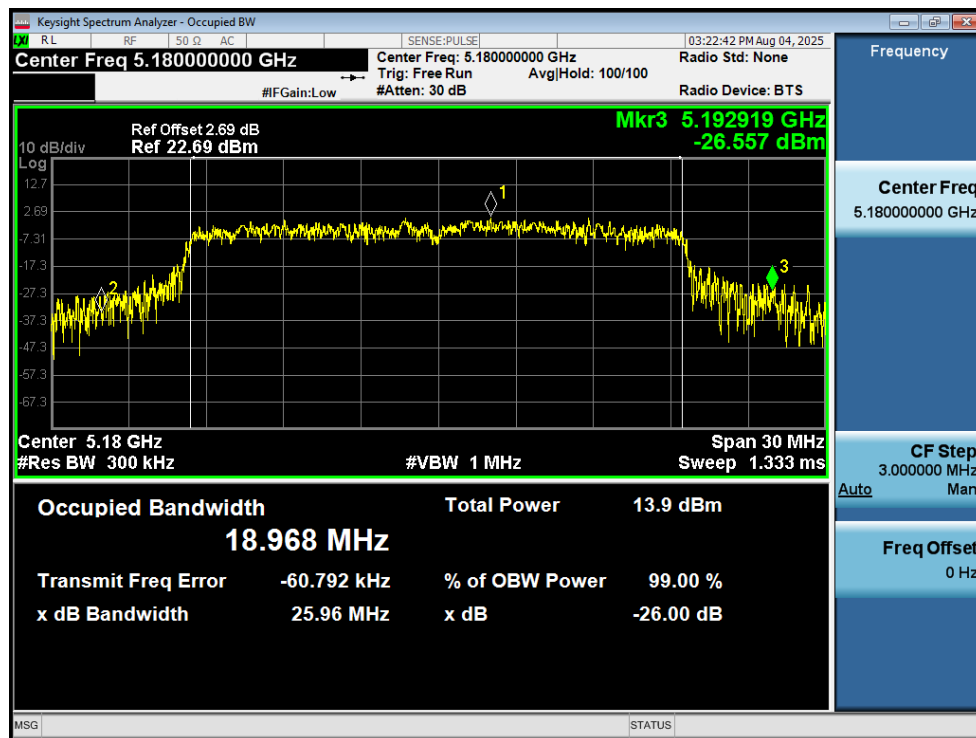
-26dB Bandwidth NVNT ac20 5240MHz Ant1



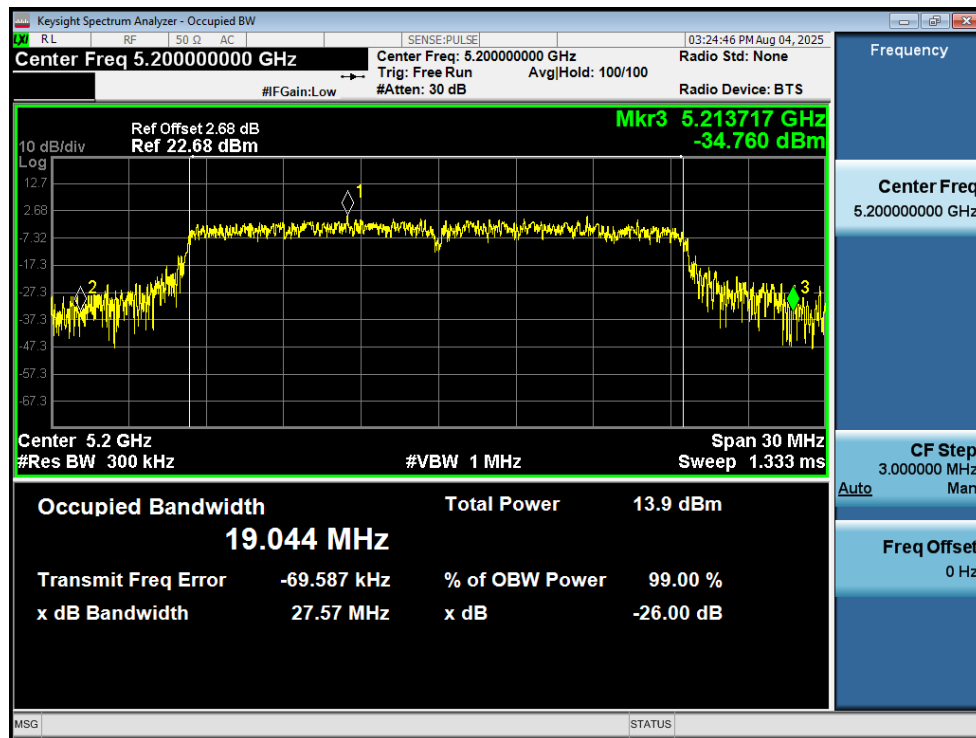
-26dB Bandwidth NVNT ac40 5190MHz Ant1



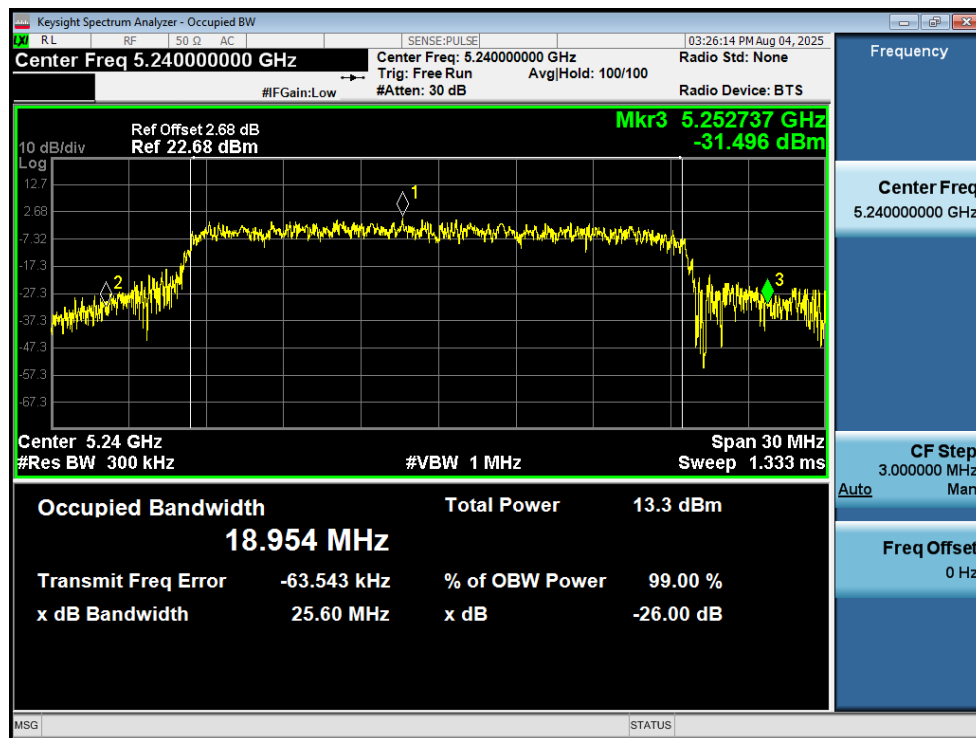
-26dB Bandwidth NVNT ac40 5230MHz Ant1



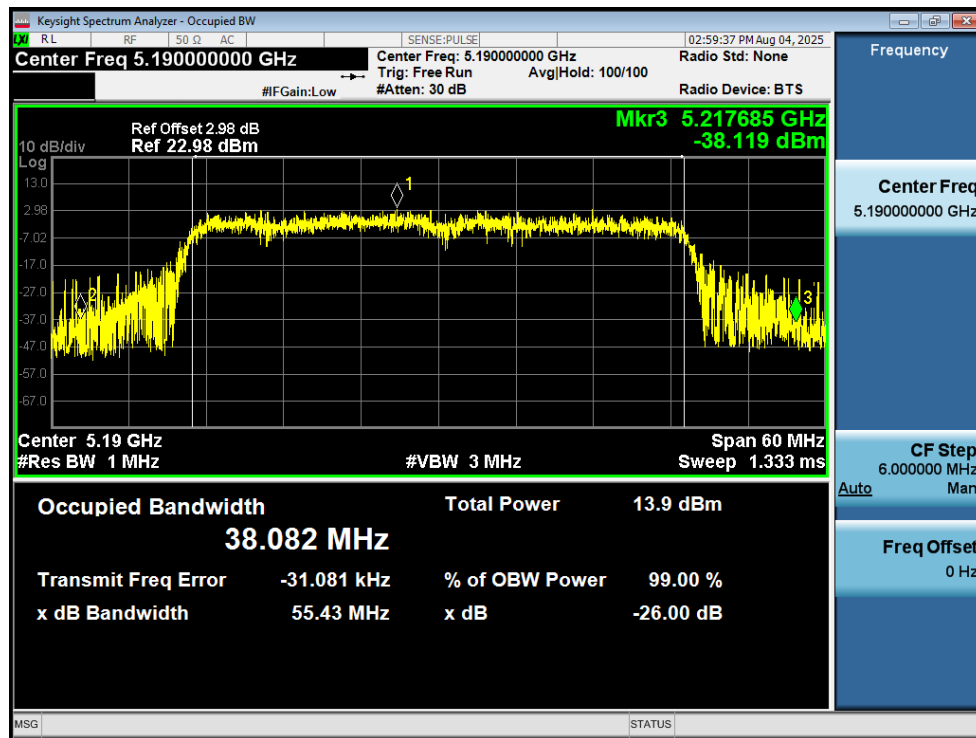
-26dB Bandwidth NVNT ax20 5180MHz Ant1



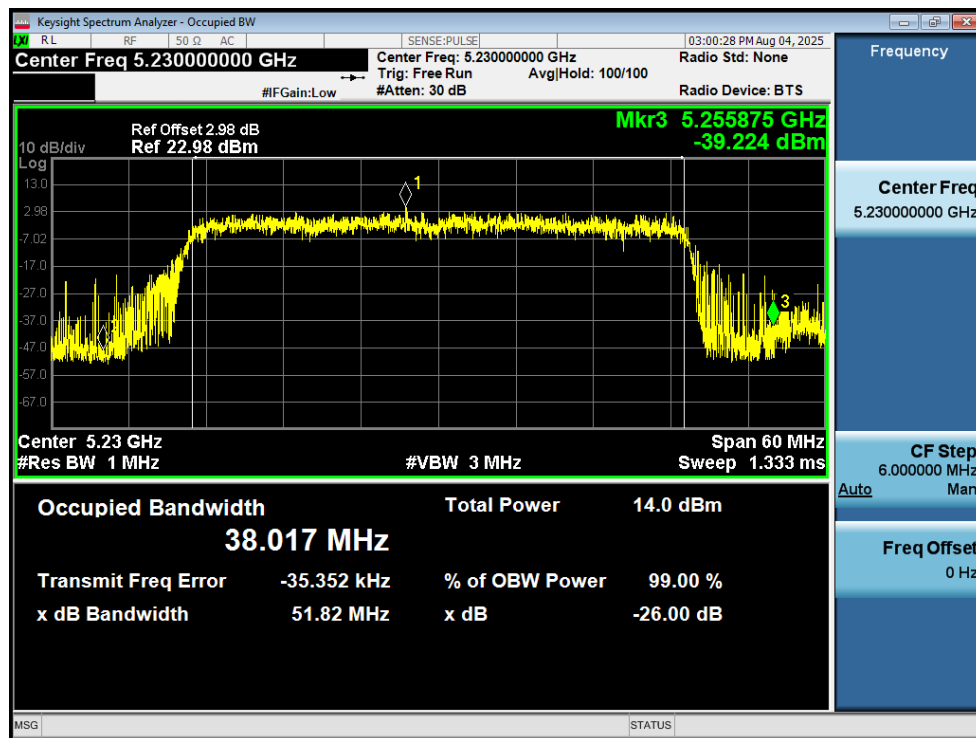
-26dB Bandwidth NVNT ax20 5200MHz Ant1



-26dB Bandwidth NVNT ax20 5240MHz Ant1



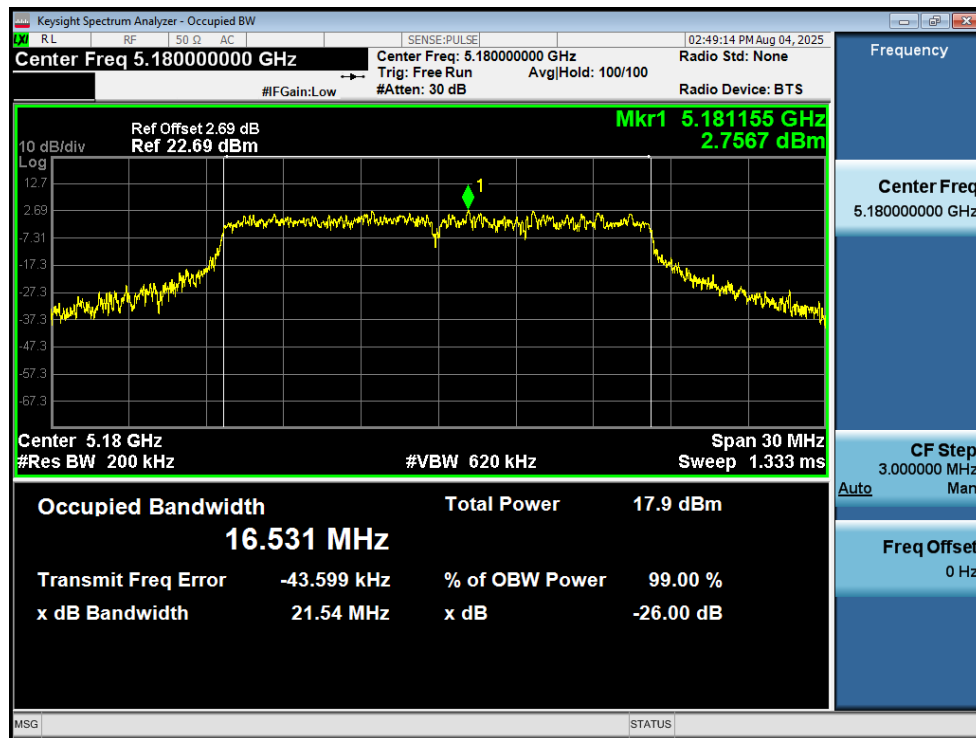
-26dB Bandwidth NVNT ax40 5190MHz Ant1



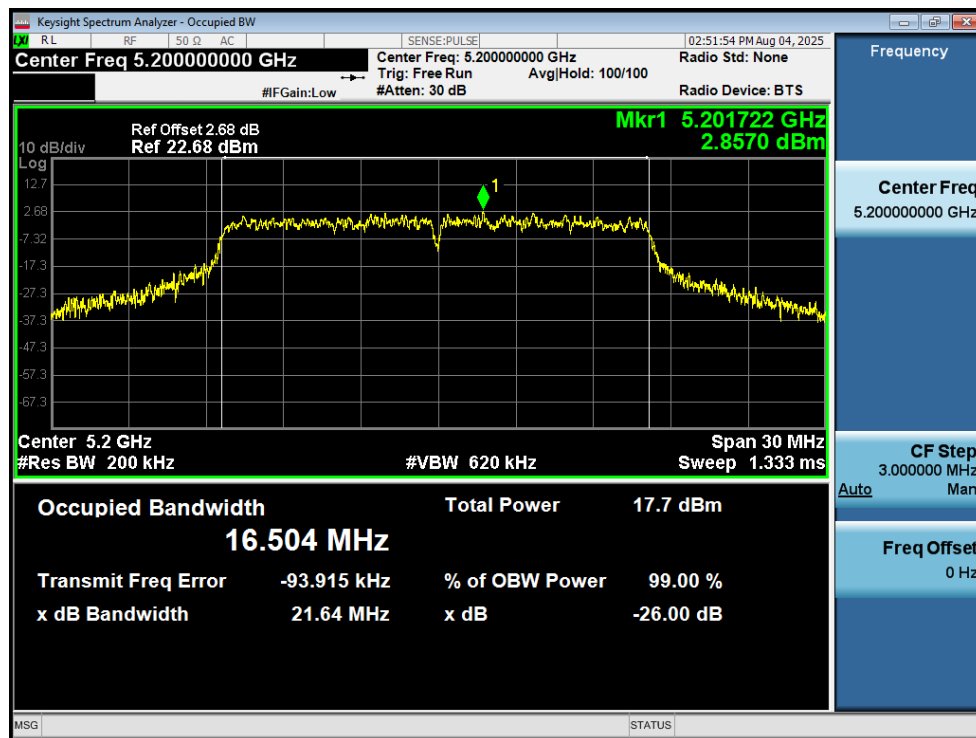
-26dB Bandwidth NVNT ax40 5230MHz Ant1

4. Occupied Channel Bandwidth

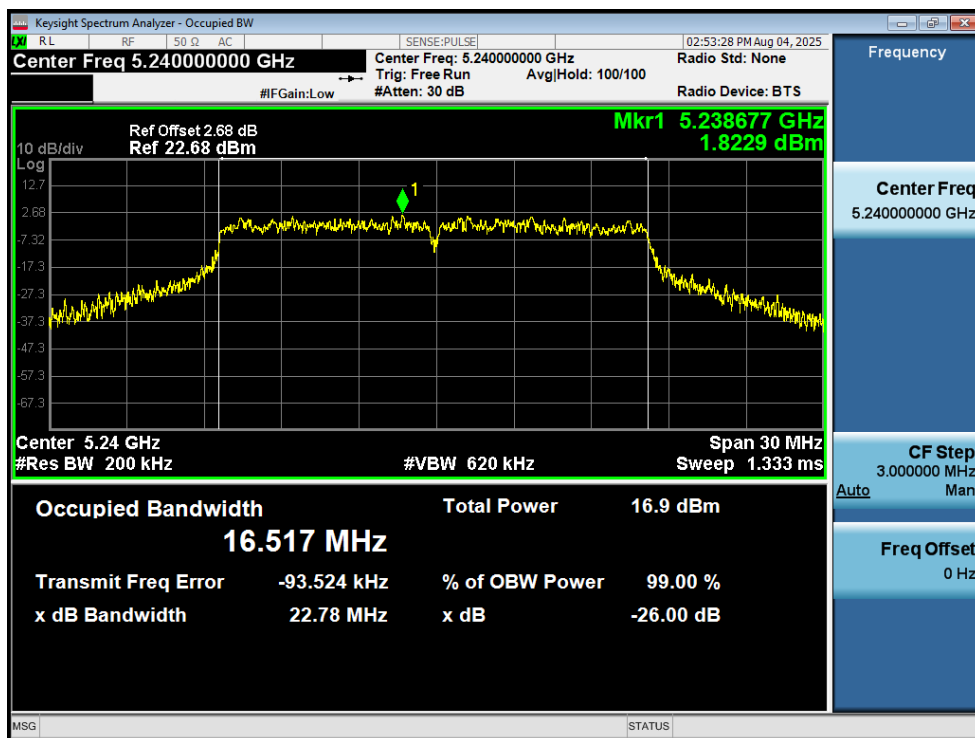
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.531
NVNT	a	5200	Ant1	16.504
NVNT	a	5240	Ant1	16.517
NVNT	n20	5180	Ant1	17.676
NVNT	n20	5200	Ant1	17.713
NVNT	n20	5240	Ant1	17.687
NVNT	n40	5190	Ant1	36.209
NVNT	n40	5230	Ant1	36.246
NVNT	ac20	5180	Ant1	17.701
NVNT	ac20	5200	Ant1	17.71
NVNT	ac20	5240	Ant1	17.7
NVNT	ac40	5190	Ant1	36.316
NVNT	ac40	5230	Ant1	36.262
NVNT	ax20	5180	Ant1	18.956
NVNT	ax20	5200	Ant1	18.934
NVNT	ax20	5240	Ant1	18.943
NVNT	ax40	5190	Ant1	37.843
NVNT	ax40	5230	Ant1	37.864



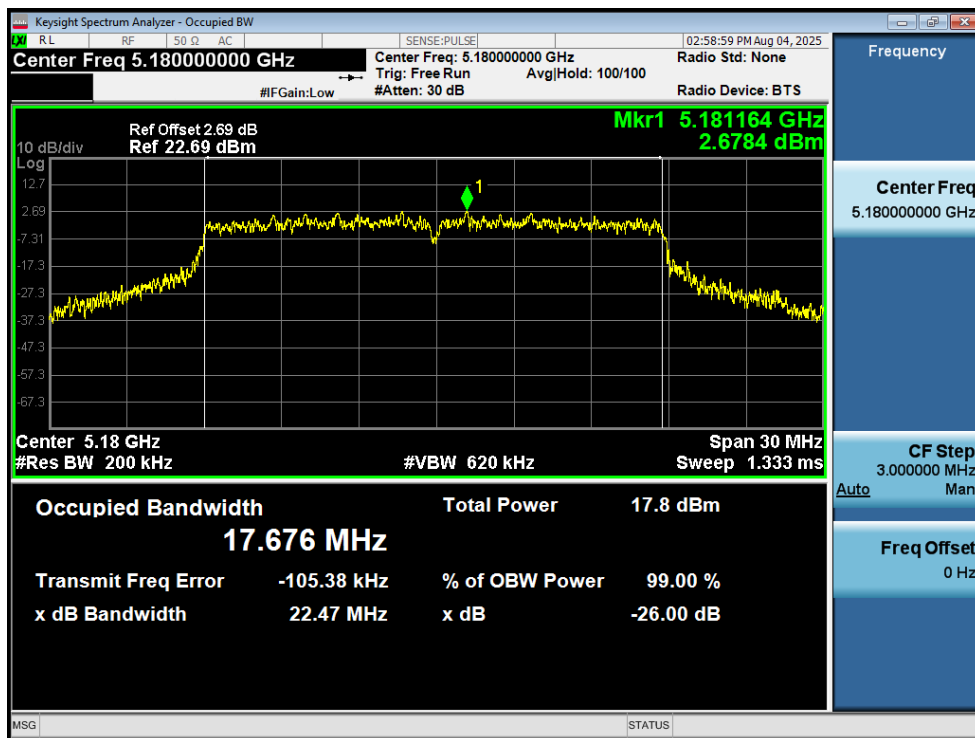
OBW NVNT a 5180MHz Ant1



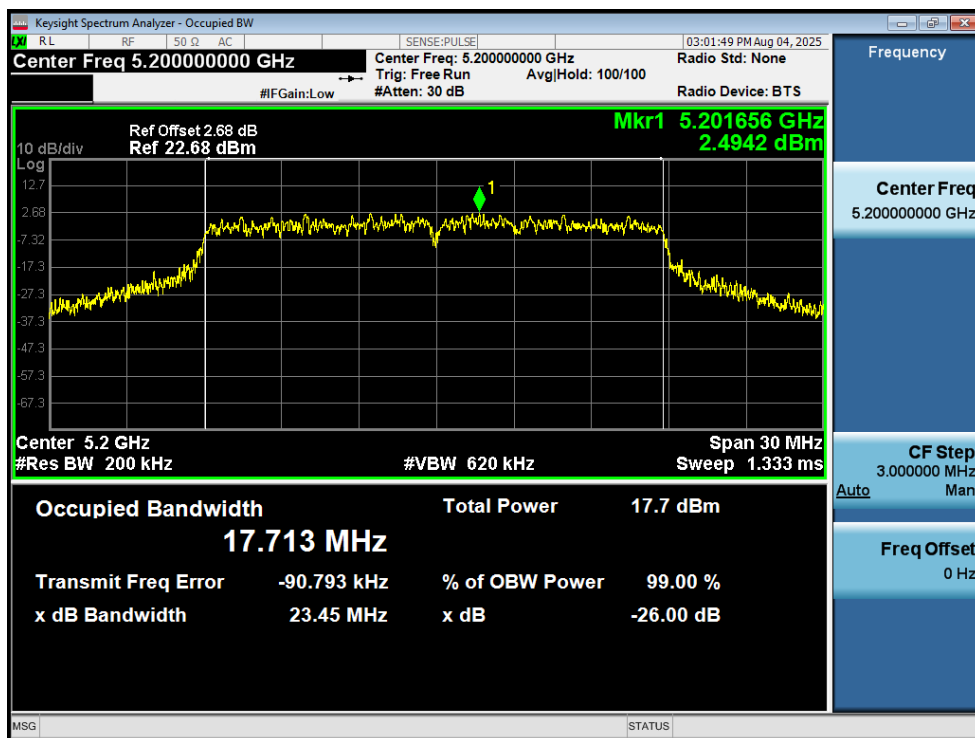
OBW NVNT a 5200MHz Ant1



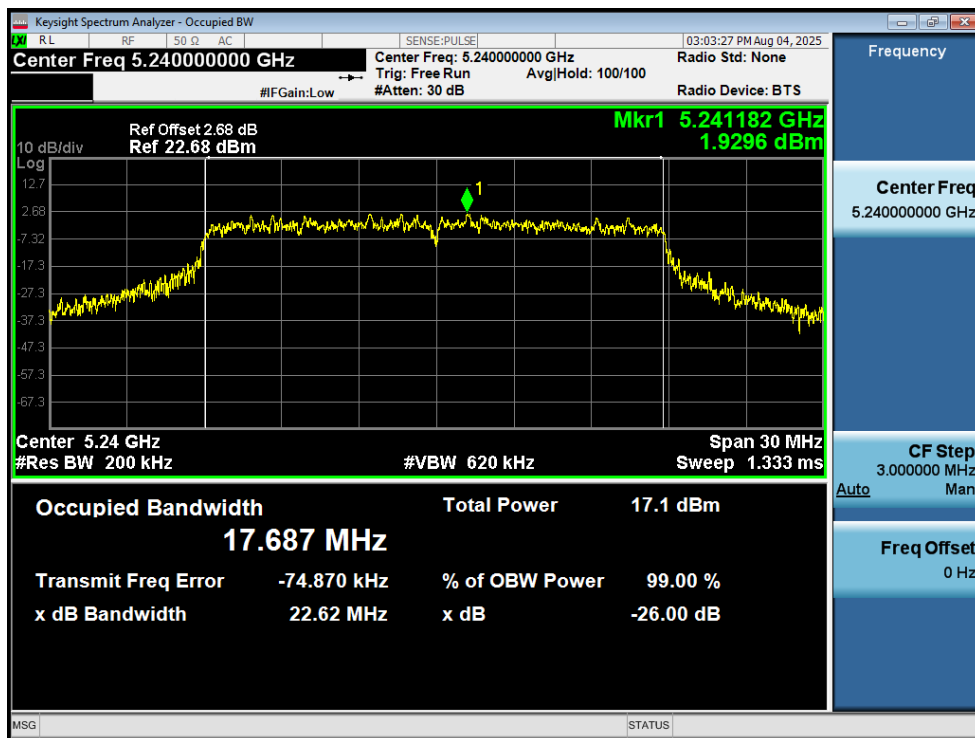
OBW NVNT a 5240MHz Ant1



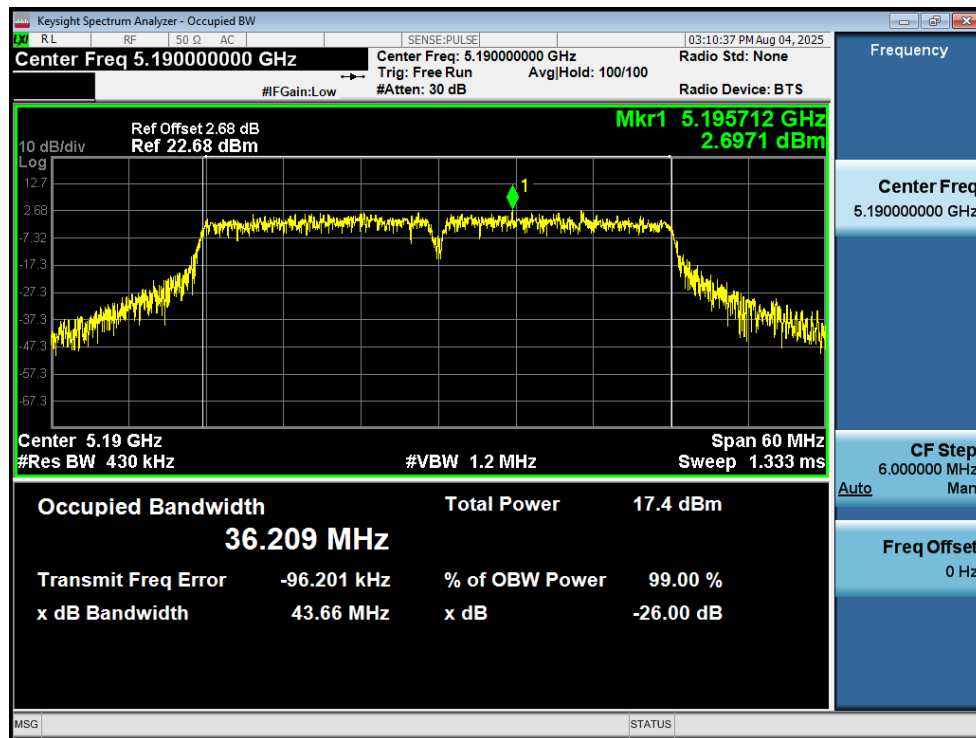
OBW NVNT n20 5180MHz Ant1



OBW NVNT n20 5200MHz Ant1



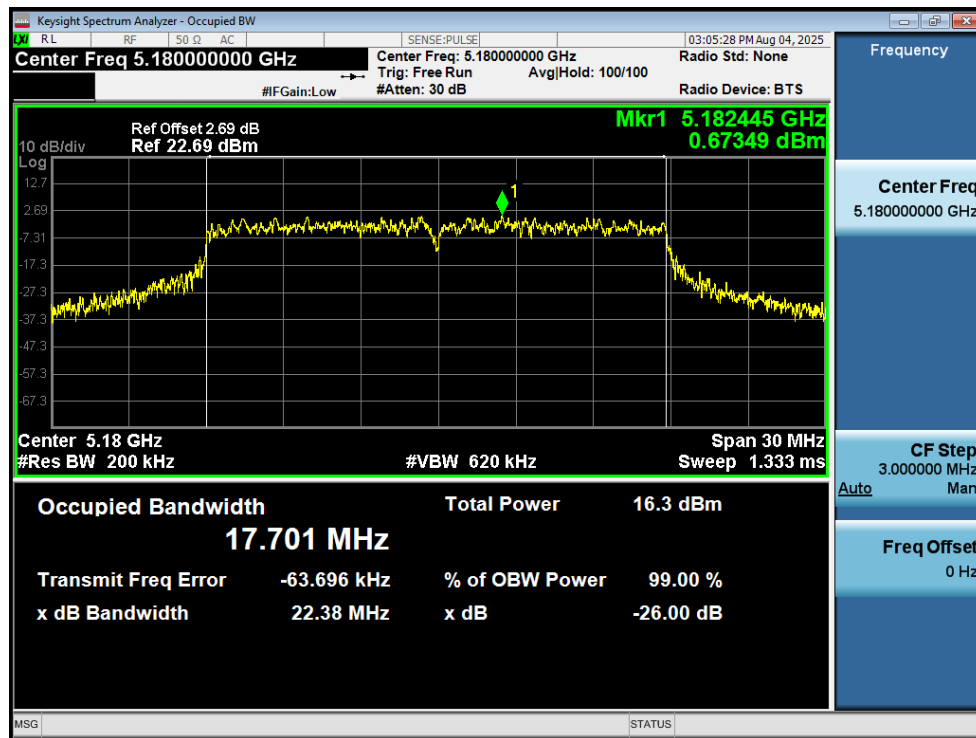
OBW NVNT n20 5240MHz Ant1



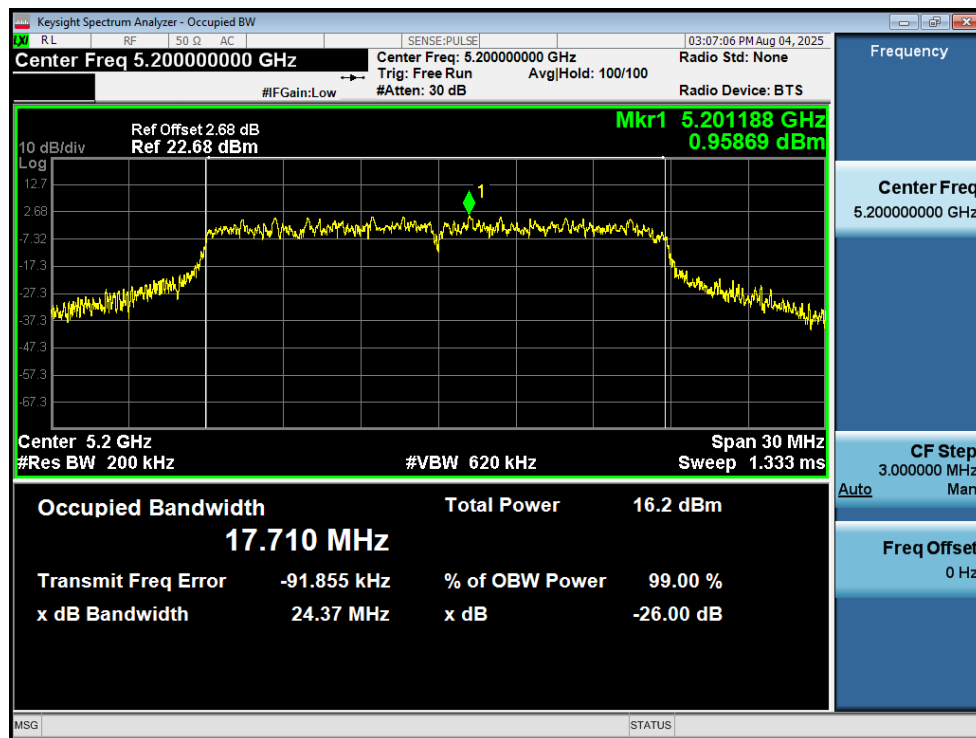
OBW NVNT n40 5190MHz Ant1



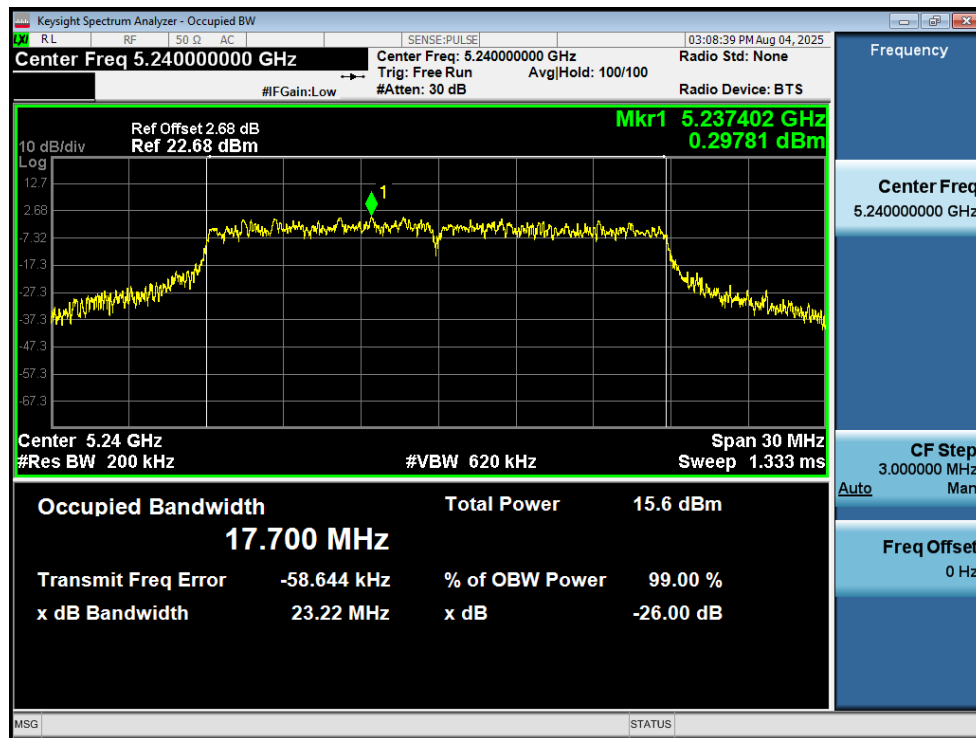
OBW NVNT n40 5230MHz Ant1



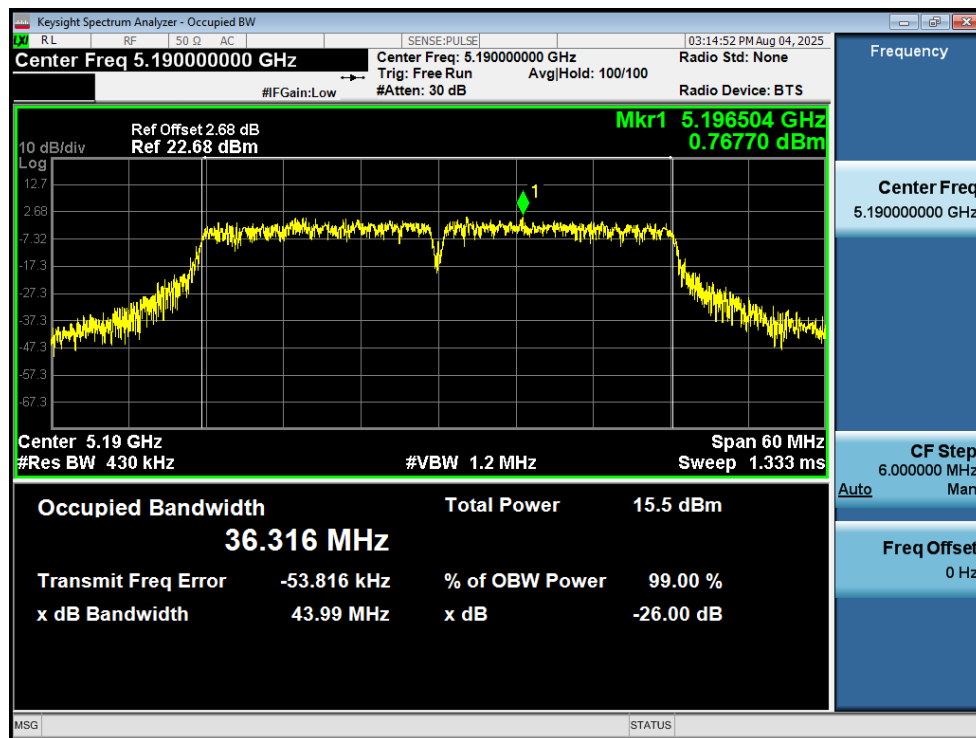
OBW NVNT ac20 5180MHz Ant1



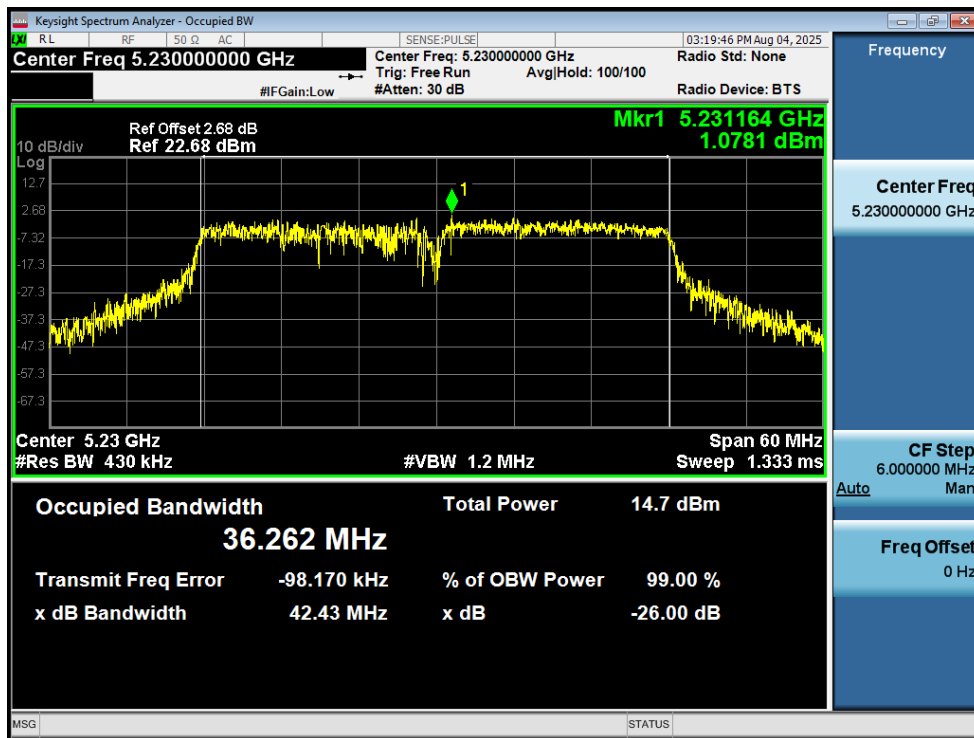
OBW NVNT ac20 5200MHz Ant1



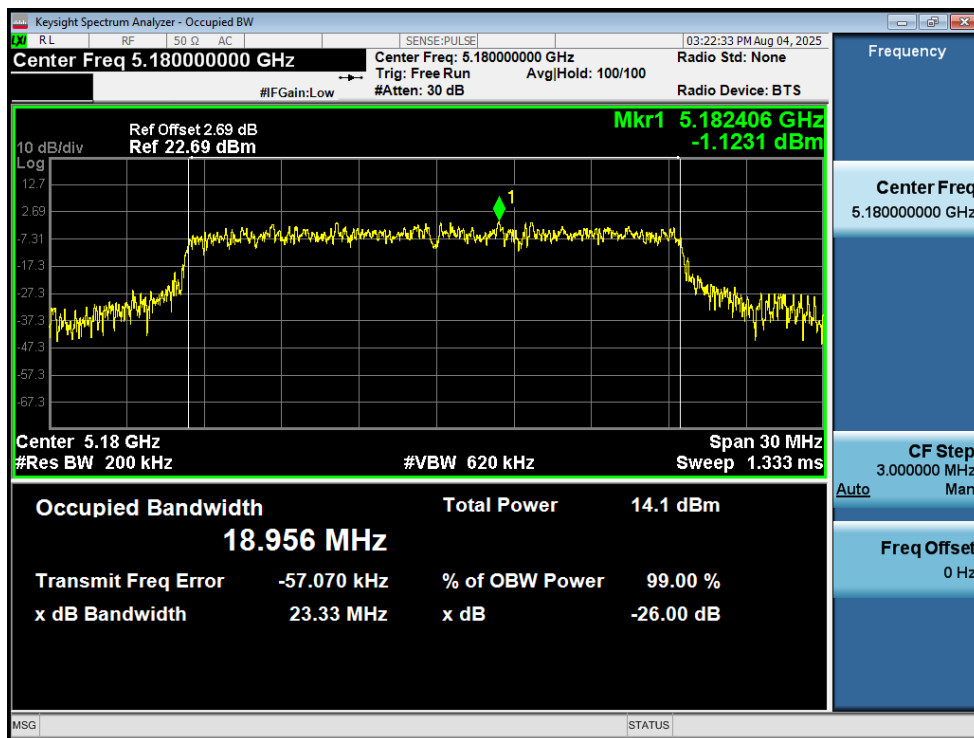
OBW NVNT ac20 5240MHz Ant1



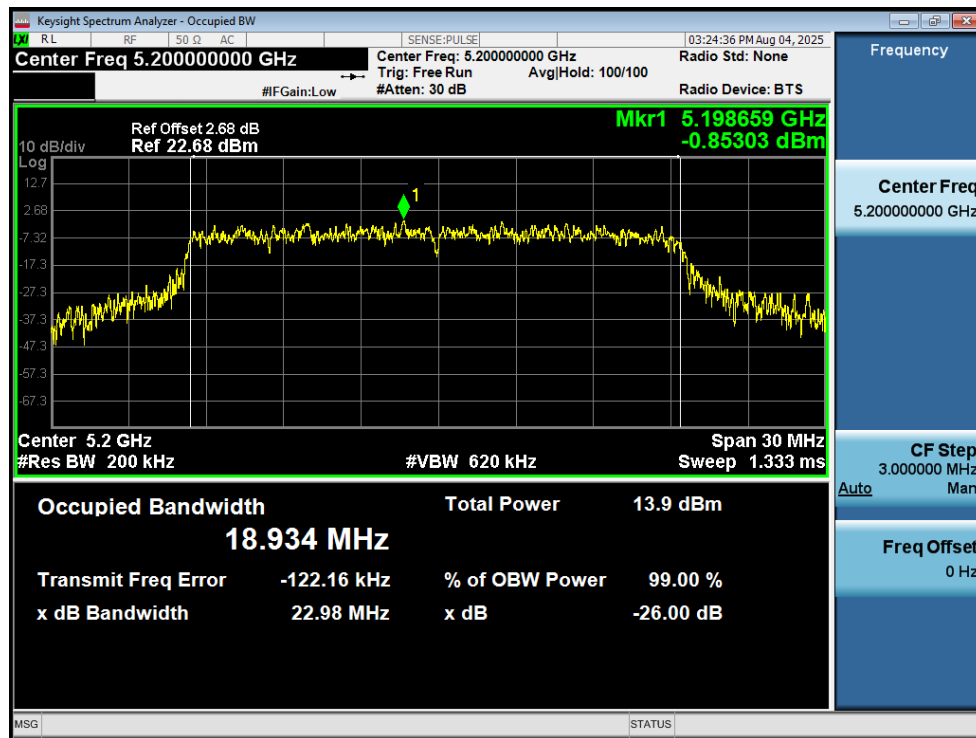
OBW NVNT ac40 5190MHz Ant1



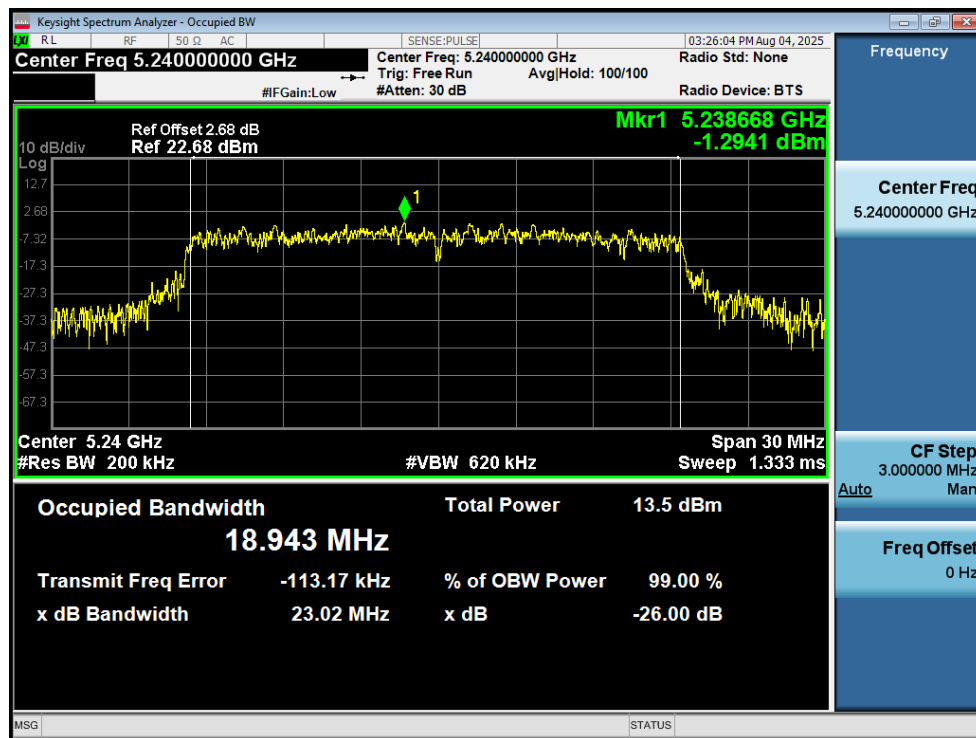
OBW NVNT ac40 5230MHz Ant1



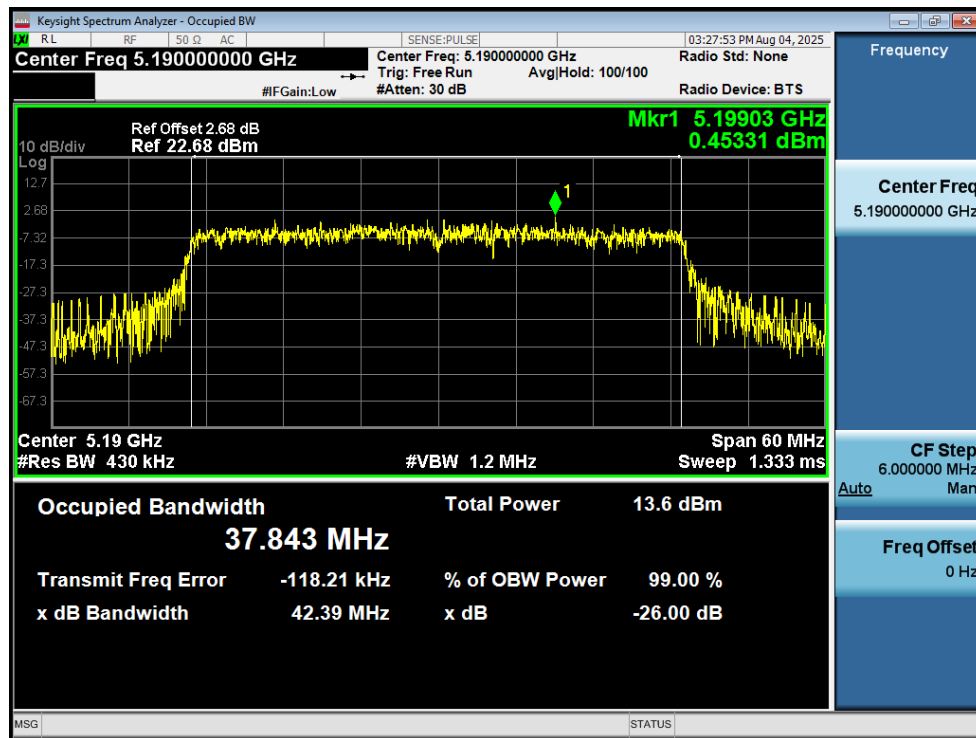
OBW NVNT ax20 5180MHz Ant1



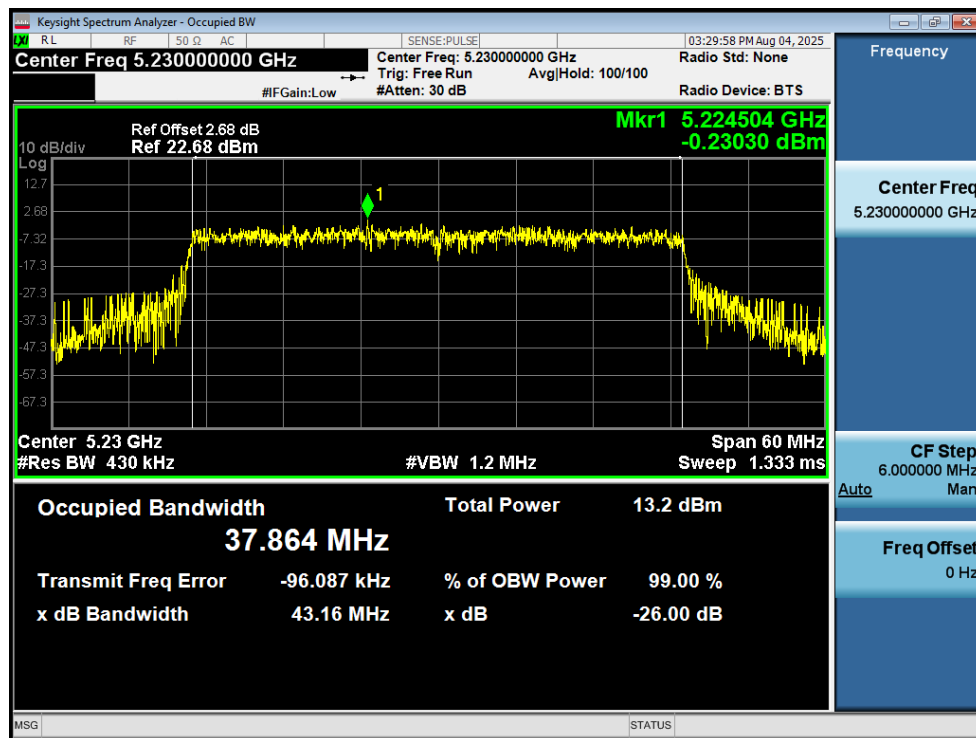
OBW NVNT ax20 5200MHz Ant1



OBW NVNT ax20 5240MHz Ant1



OBW NVNT ax40 5190MHz Ant1

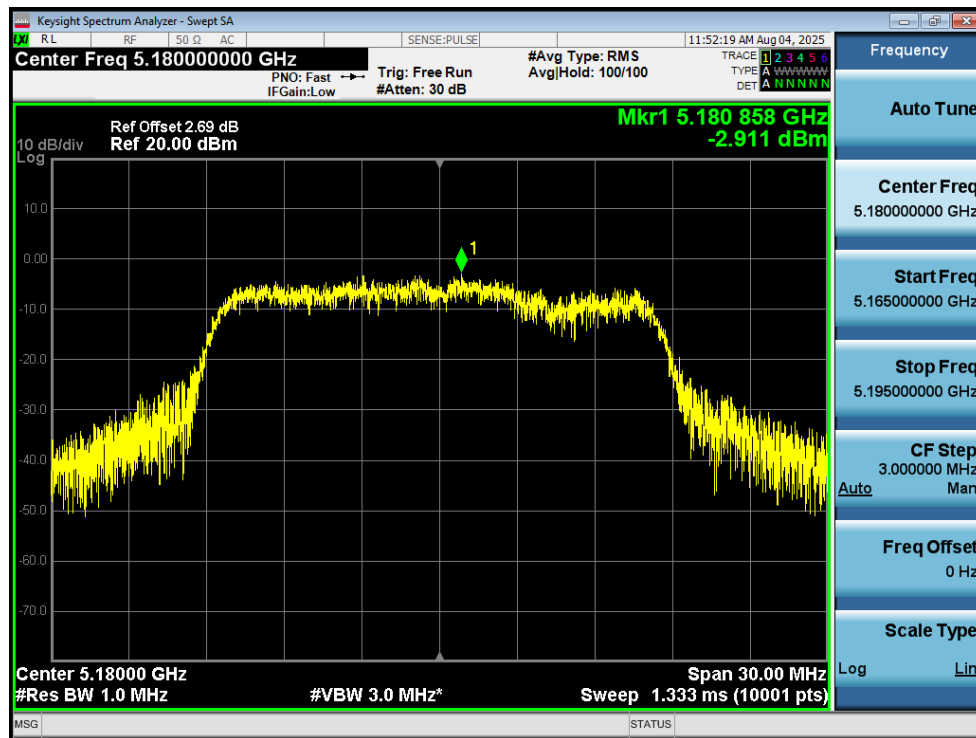


OBW NVNT ax40 5230MHz Ant1

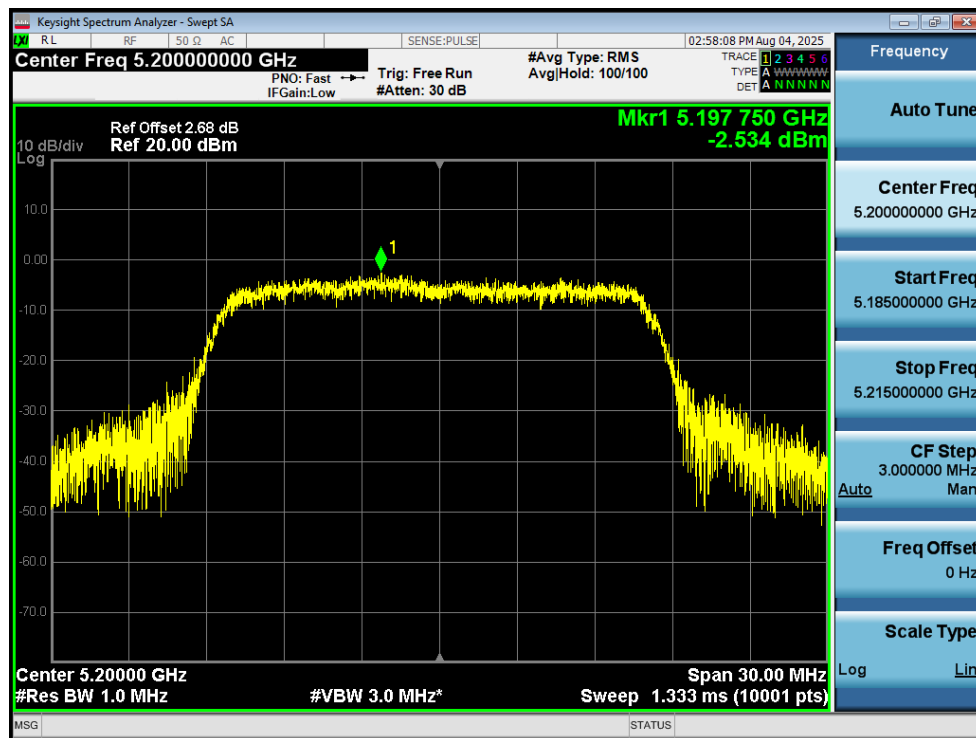
5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	-2.91	7.1	4.09	11	Pass
NVNT	a	5200	Ant1	-2.53	7.12	4.59	11	Pass
NVNT	a	5240	Ant1	-3.64	7.15	3.51	11	Pass
NVNT	n20	5180	Ant1	-3.62	7.44	3.82	11	Pass
NVNT	n20	5200	Ant1	-3.31	7.44	4.13	11	Pass
NVNT	n20	5240	Ant1	-3.42	7.44	4.02	11	Pass
NVNT	n40	5190	Ant1	-7.32	9.47	2.15	11	Pass
NVNT	n40	5230	Ant1	-8.03	9.49	1.46	11	Pass
NVNT	ac20	5180	Ant1	-5.29	7.92	2.63	11	Pass
NVNT	ac20	5200	Ant1	-5.24	7.91	2.67	11	Pass
NVNT	ac20	5240	Ant1	-5.54	7.93	2.39	11	Pass
NVNT	ac40	5190	Ant1	-9.43	10.11	0.68	11	Pass
NVNT	ac40	5230	Ant1	-10.24	10.11	-0.13	11	Pass
NVNT	ax20	5180	Ant1	-8.31	9.19	0.88	11	Pass
NVNT	ax20	5200	Ant1	-8.39	9.22	0.83	11	Pass
NVNT	ax20	5240	Ant1	-8.57	9.18	0.61	11	Pass
NVNT	ax40	5190	Ant1	-12.23	10.57	-1.66	11	Pass
NVNT	ax40	5230	Ant1	-12.71	10.53	-2.18	11	Pass

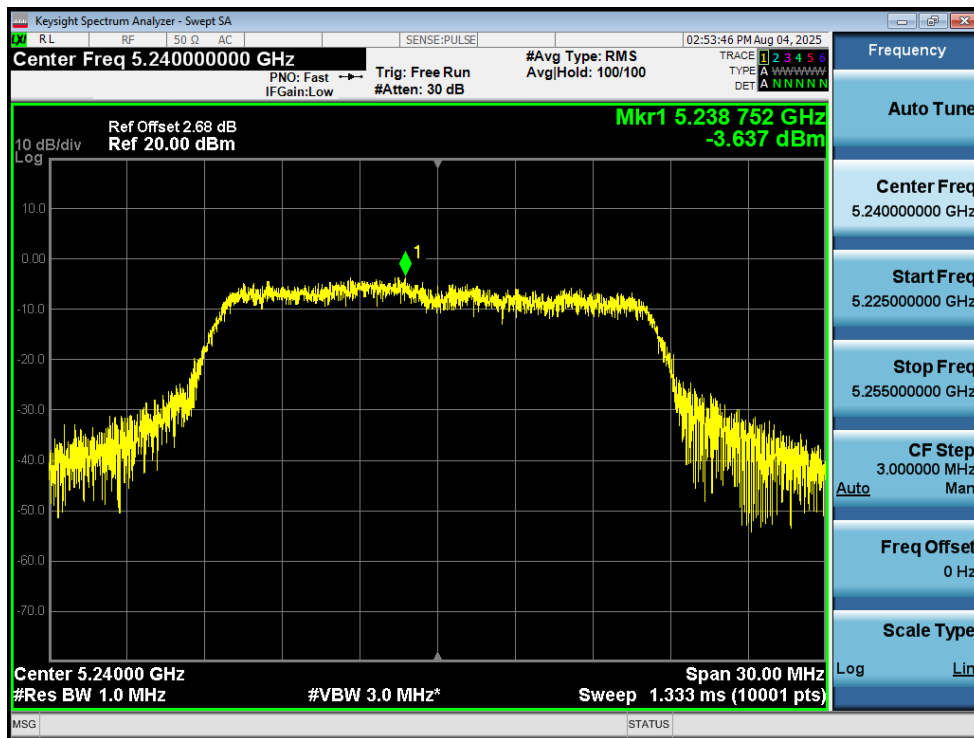
Note 1: Total PSD=Conducted PSD + Duty factor



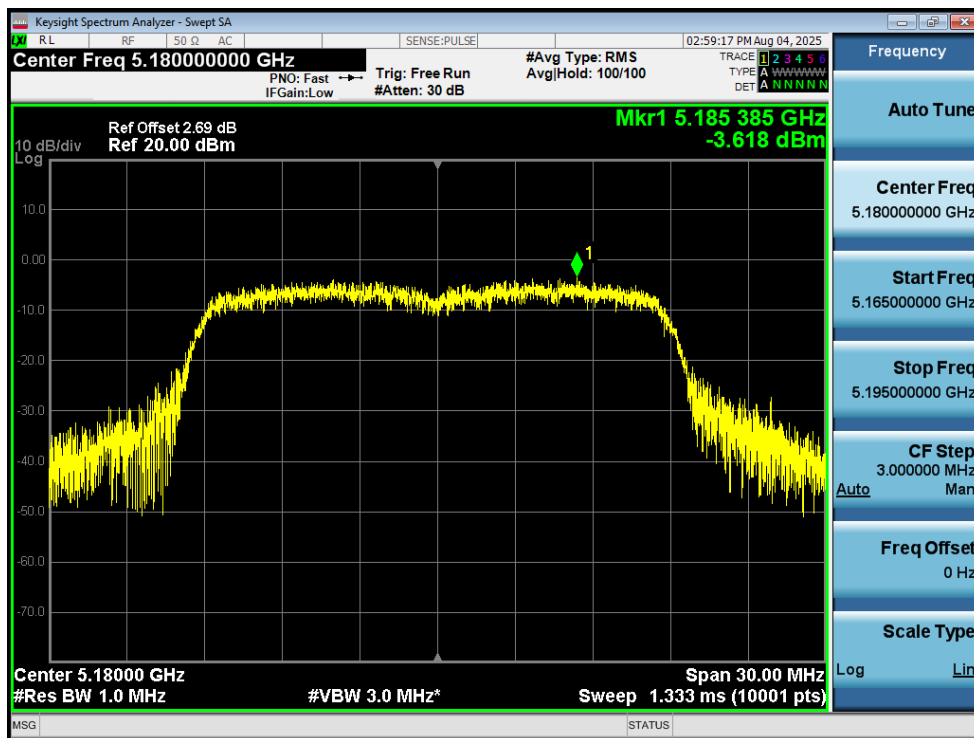
PSD NVNT a 5180MHz Ant1



PSD NVNT a 5200MHz Ant1



PSD NVNT a 5240MHz Ant1



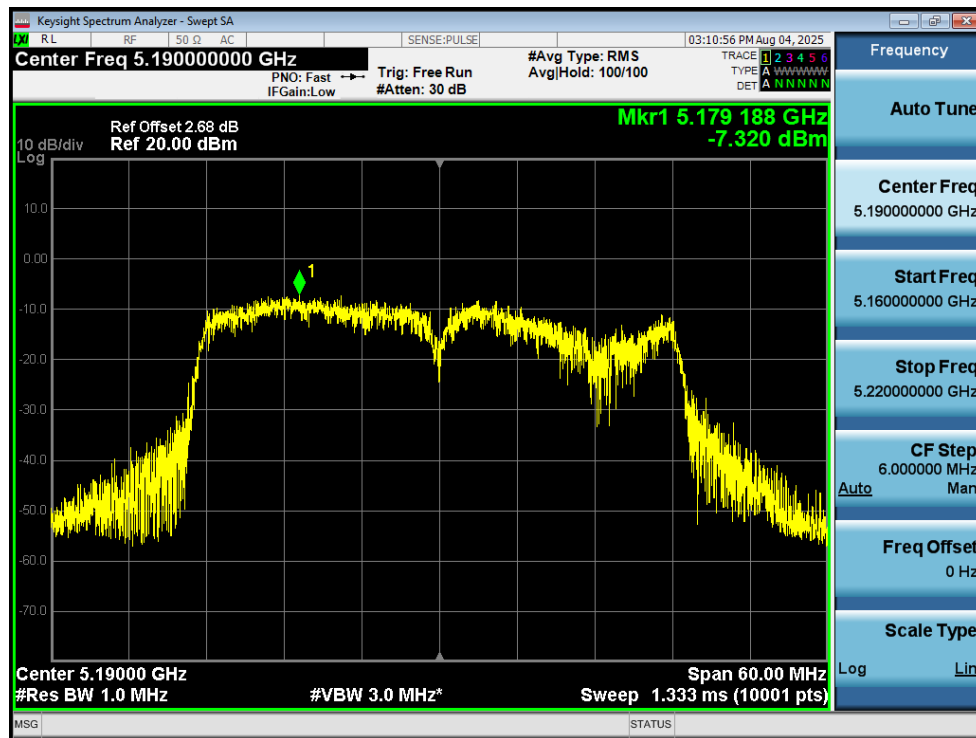
PSD NVNT n20 5180MHz Ant1



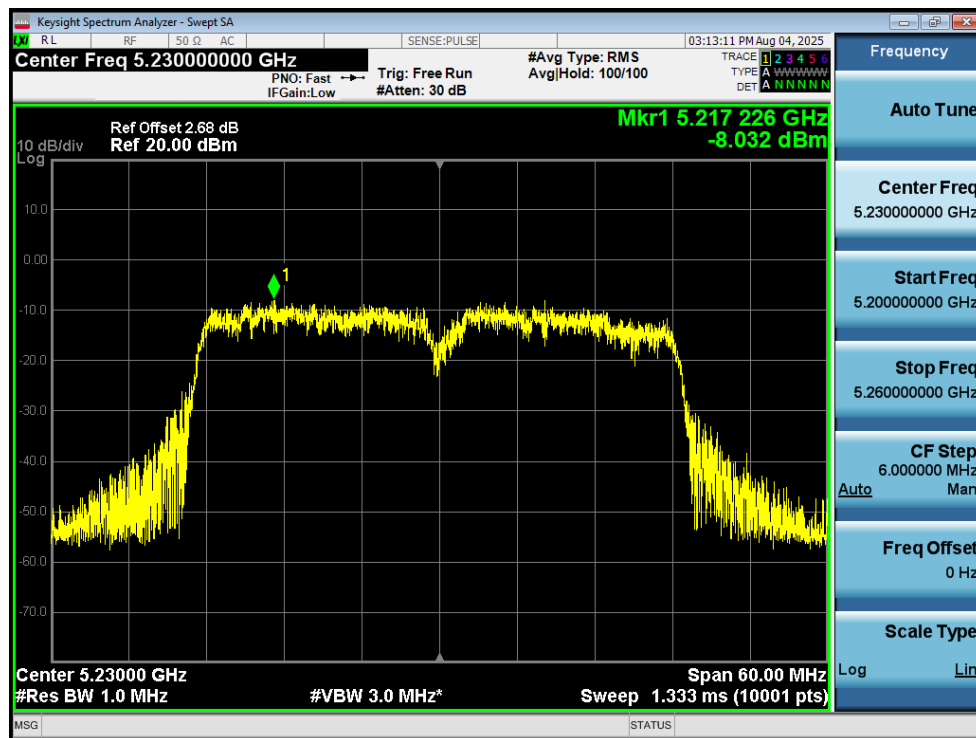
PSD NVNT n20 5200MHz Ant1



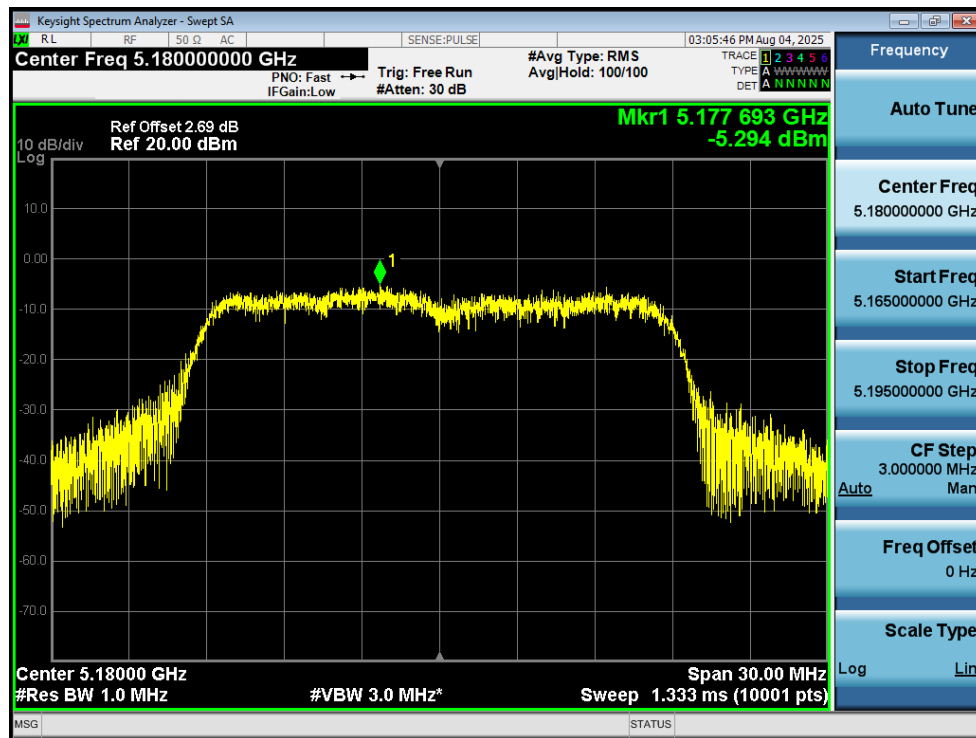
PSD NVNT n20 5240MHz Ant1



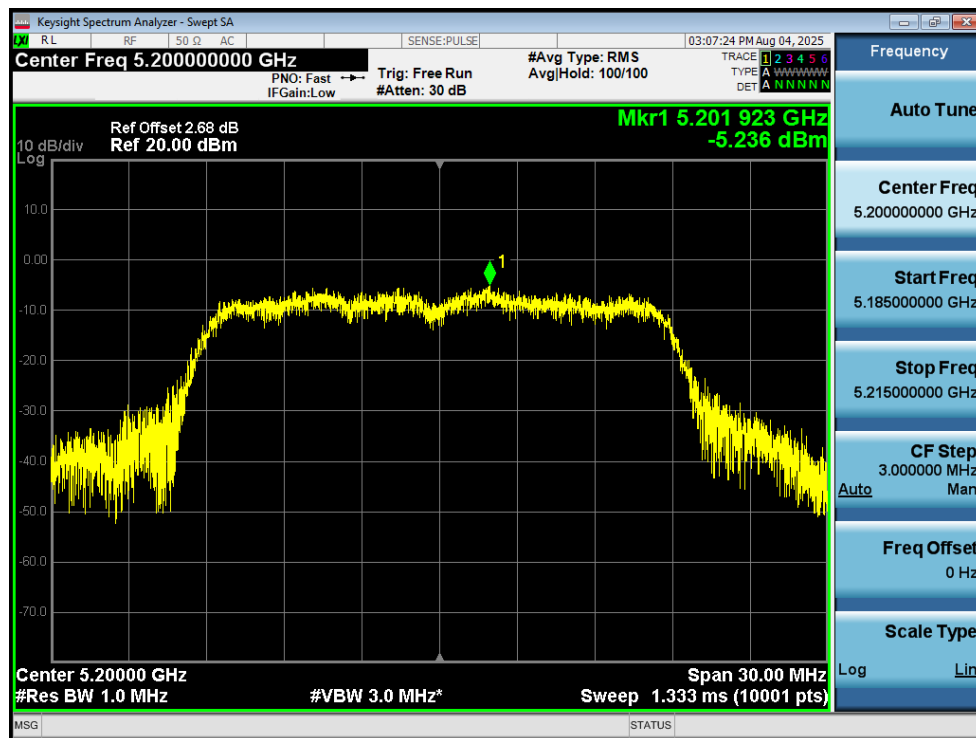
PSD NVNT n40 5190MHz Ant1



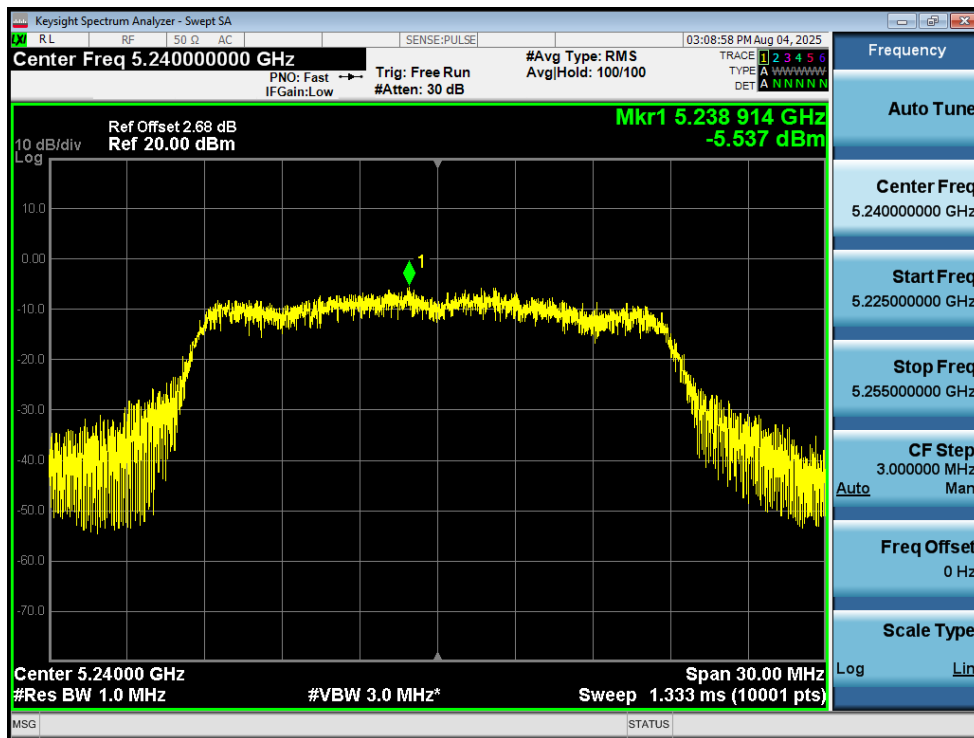
PSD NVNT n40 5230MHz Ant1



PSD NVNT ac20 5180MHz Ant1



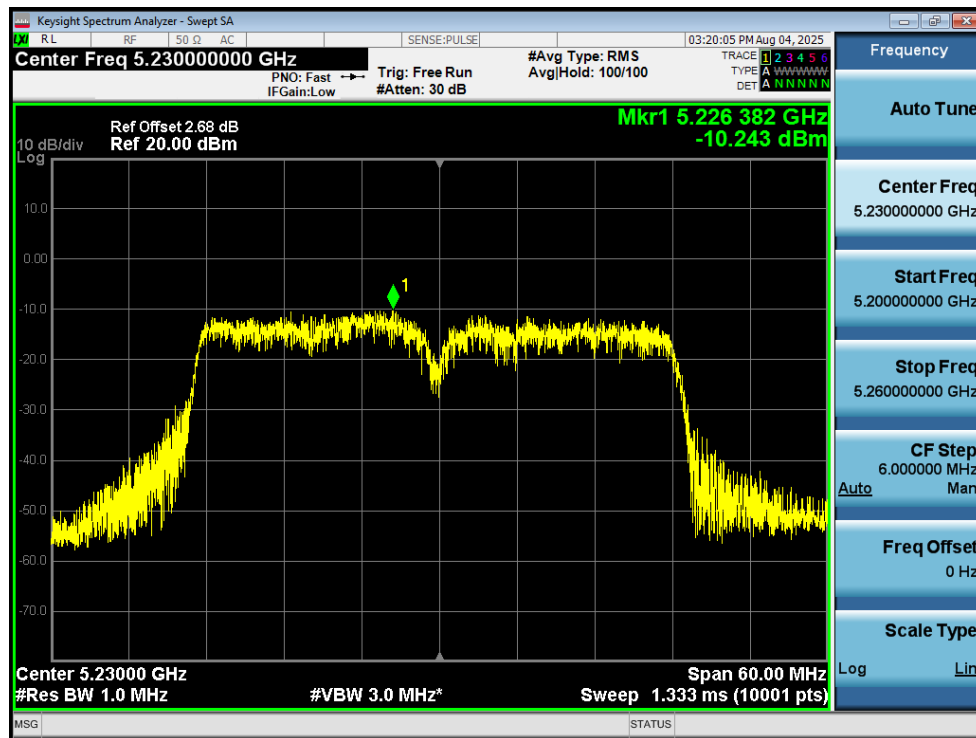
PSD NVNT ac20 5200MHz Ant1



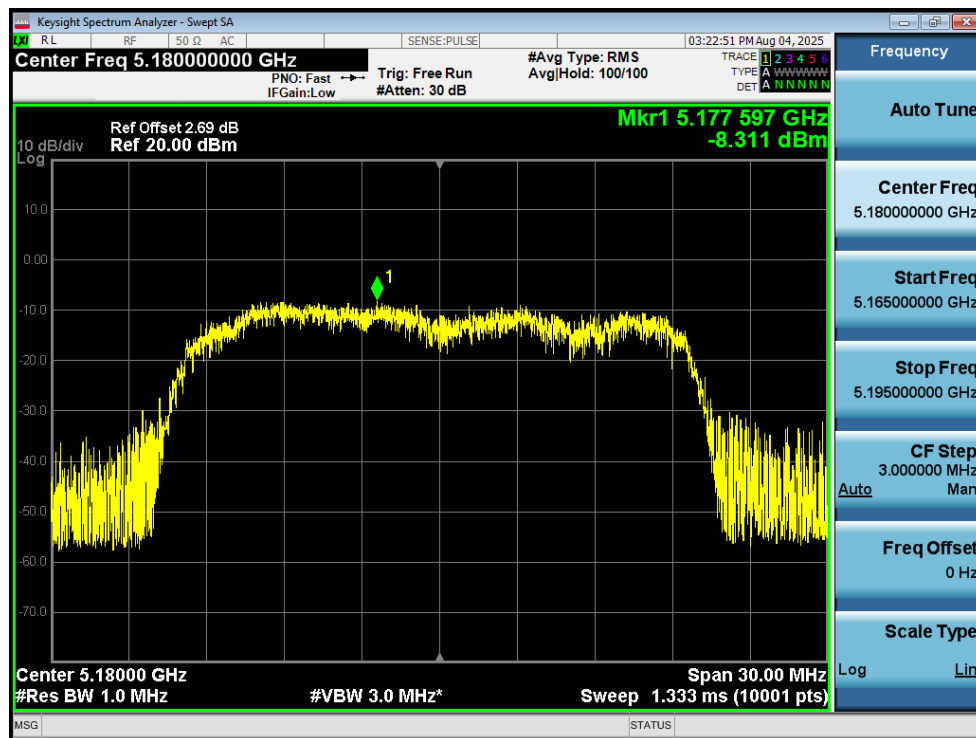
PSD NVNT ac20 5240MHz Ant1



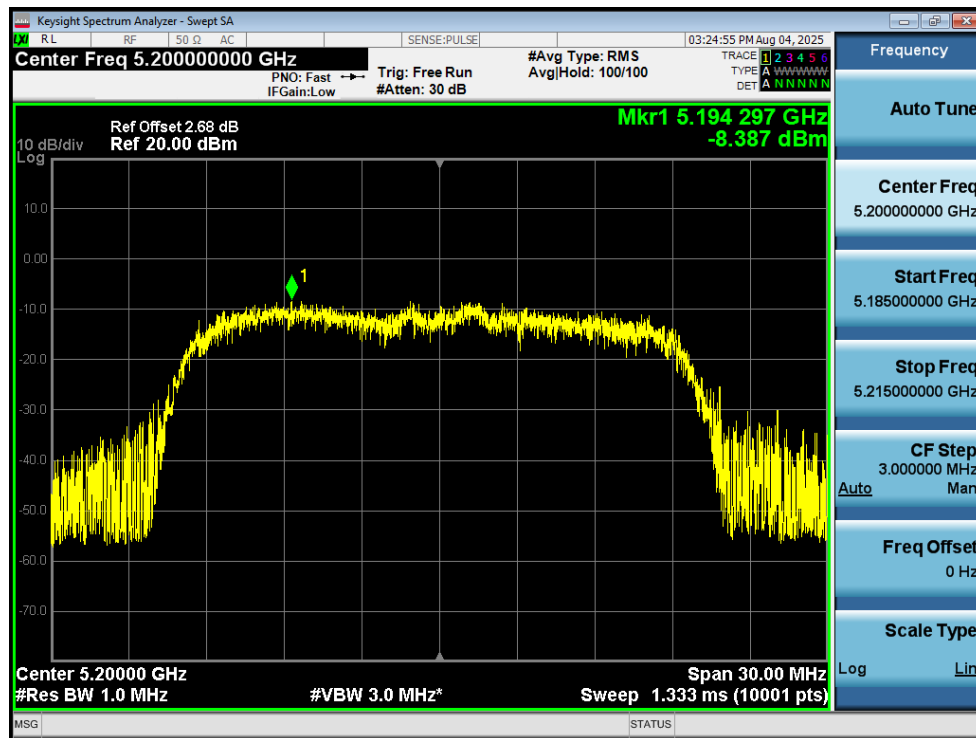
PSD NVNT ac40 5190MHz Ant1



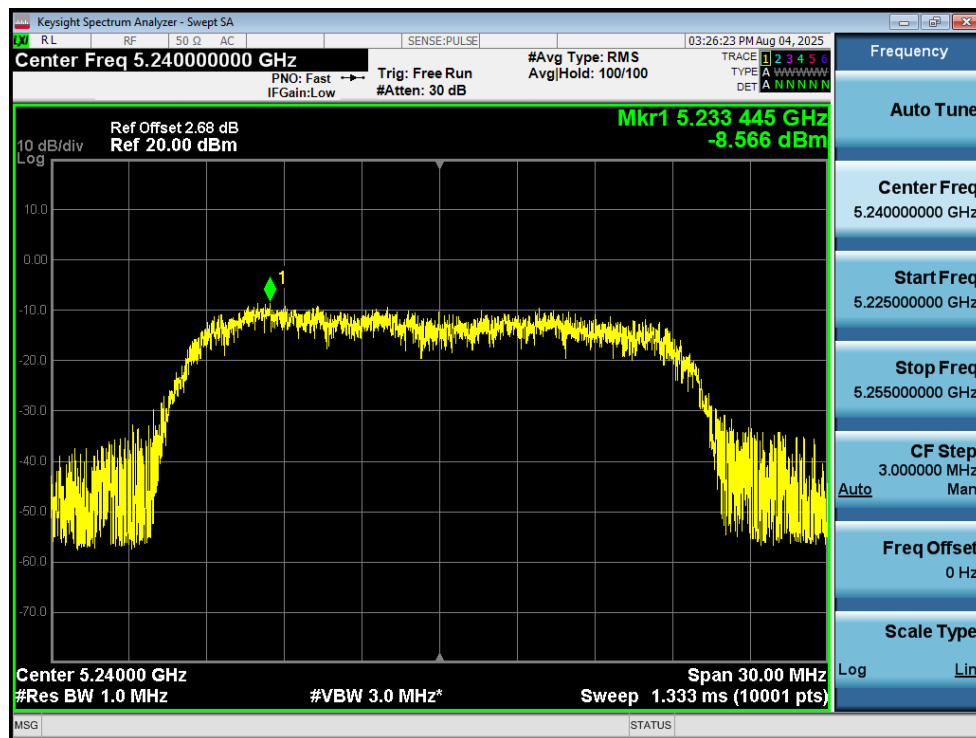
PSD NVNT ac40 5230MHz Ant1



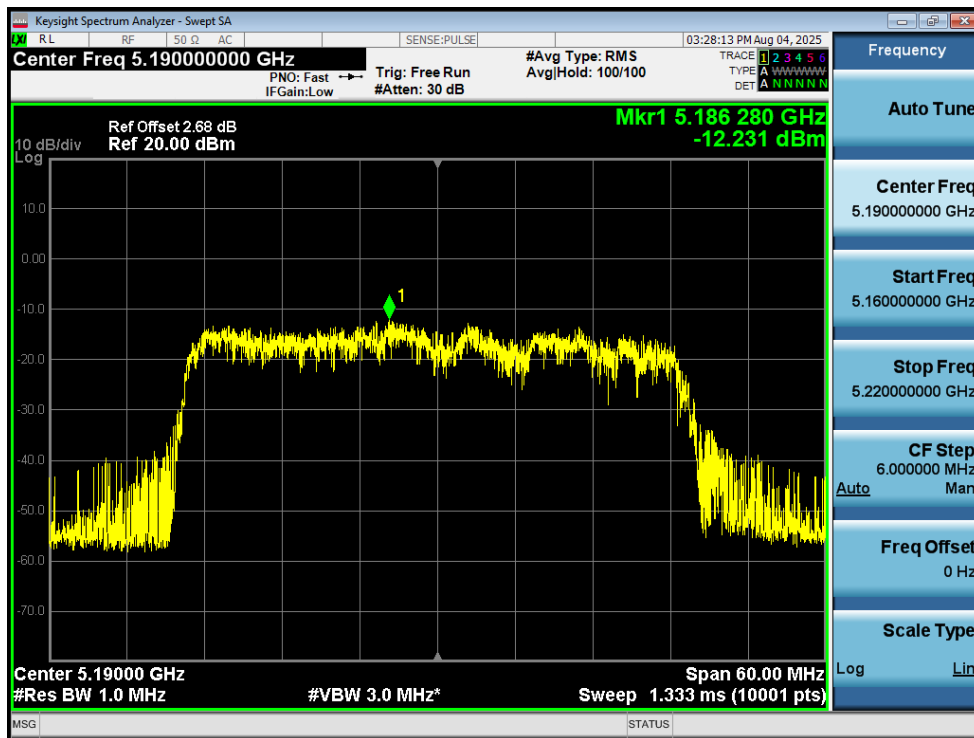
PSD NVNT ax20 5180MHz Ant1



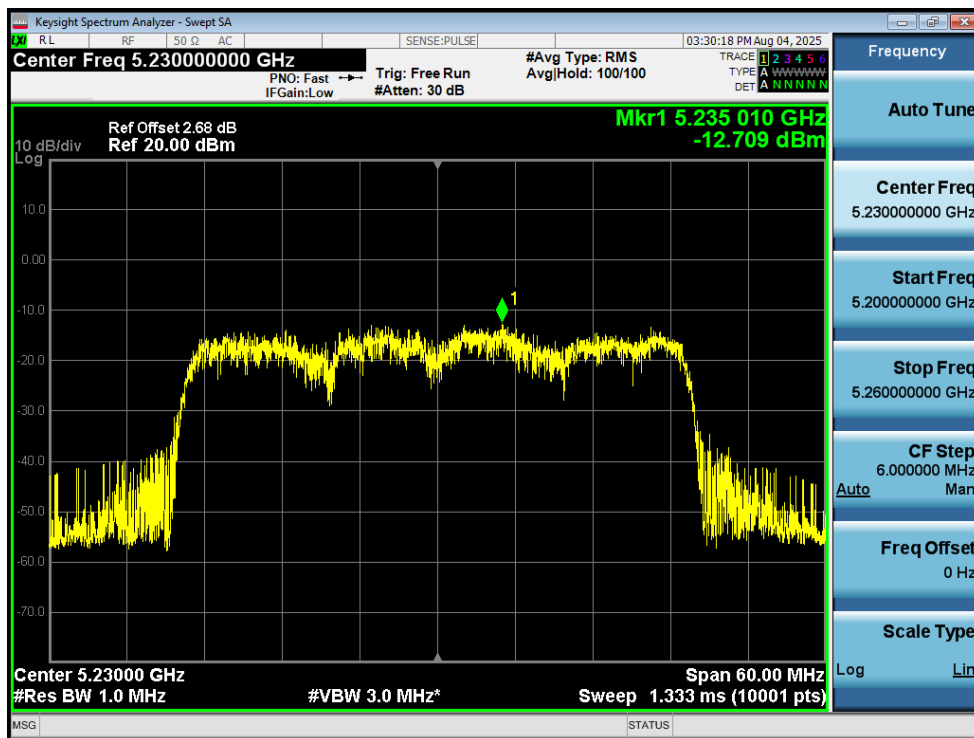
PSD NVNT ax20 5200MHz Ant1



PSD NVNT ax20 5240MHz Ant1



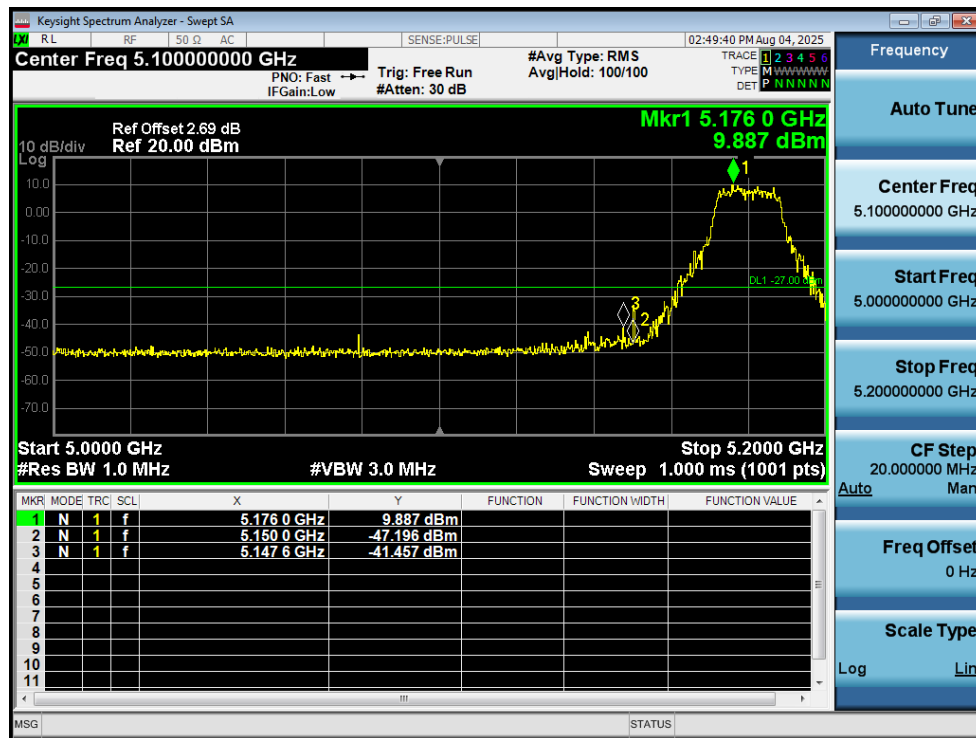
PSD NVNT ax40 5190MHz Ant1



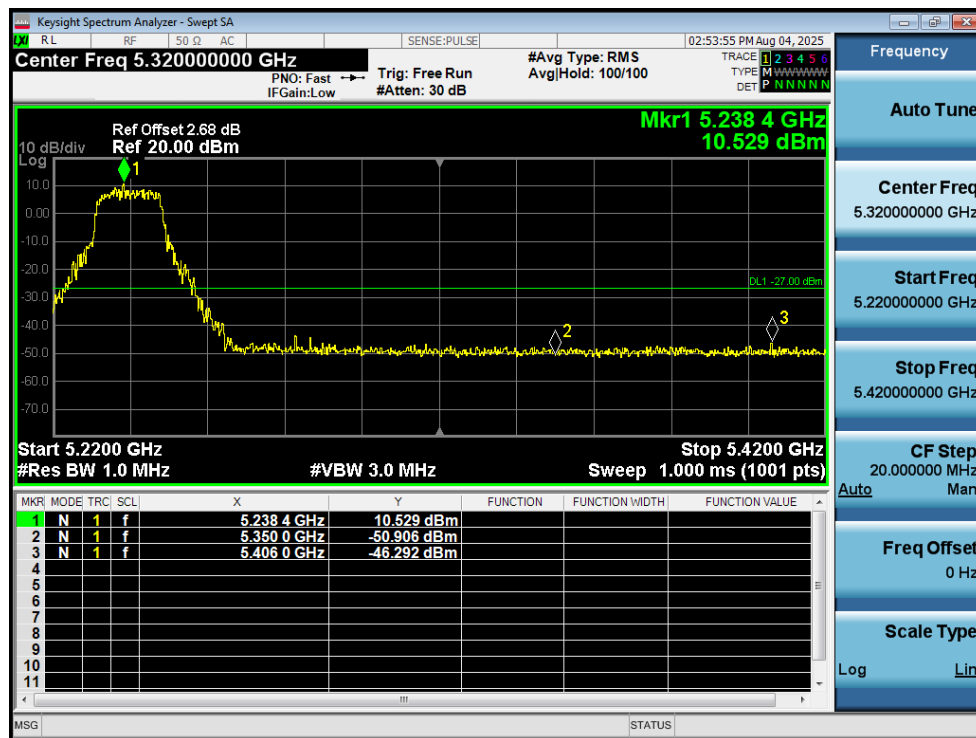
PSD NVNT ax40 5230MHz Ant1

6. Band Edge

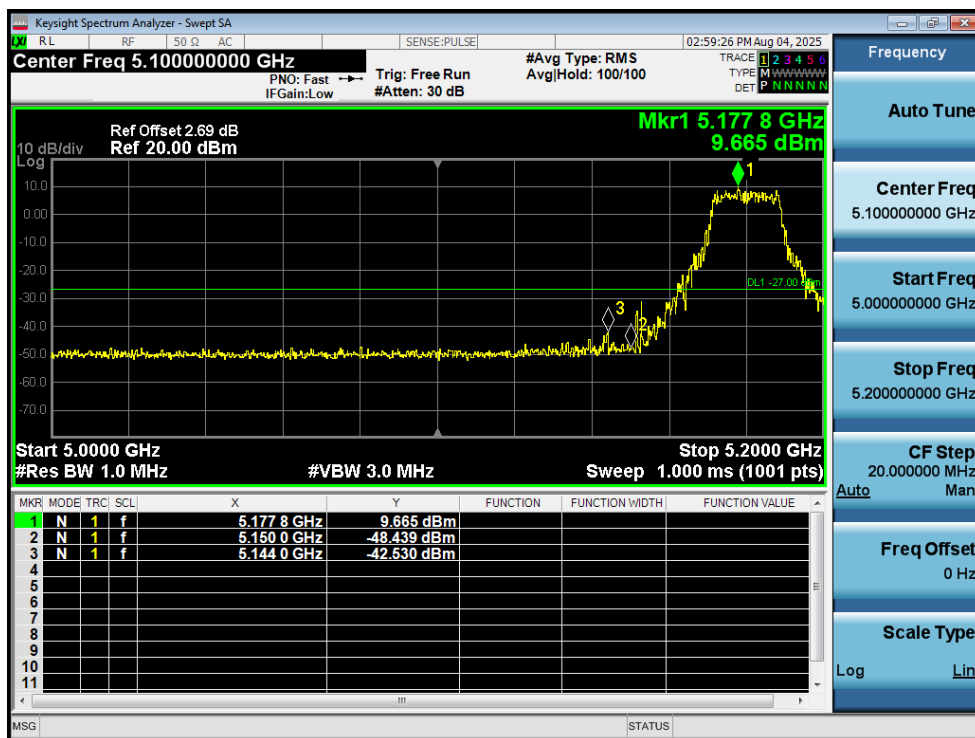
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-41.45	-27	Pass
NVNT	a	5240	Ant1	-46.29	-27	Pass
NVNT	n20	5180	Ant1	-42.52	-27	Pass
NVNT	n20	5240	Ant1	-44.49	-27	Pass
NVNT	n40	5190	Ant1	-35.77	-27	Pass
NVNT	n40	5230	Ant1	-44.87	-27	Pass
NVNT	ac20	5180	Ant1	-42.87	-27	Pass
NVNT	ac20	5240	Ant1	-46.3	-27	Pass
NVNT	ac40	5190	Ant1	-36.82	-27	Pass
NVNT	ac40	5230	Ant1	-46.33	-27	Pass
NVNT	ax20	5180	Ant1	-46.08	-27	Pass
NVNT	ax20	5240	Ant1	-47.17	-27	Pass
NVNT	ax40	5190	Ant1	-33.51	-27	Pass
NVNT	ax40	5230	Ant1	-47.42	-27	Pass



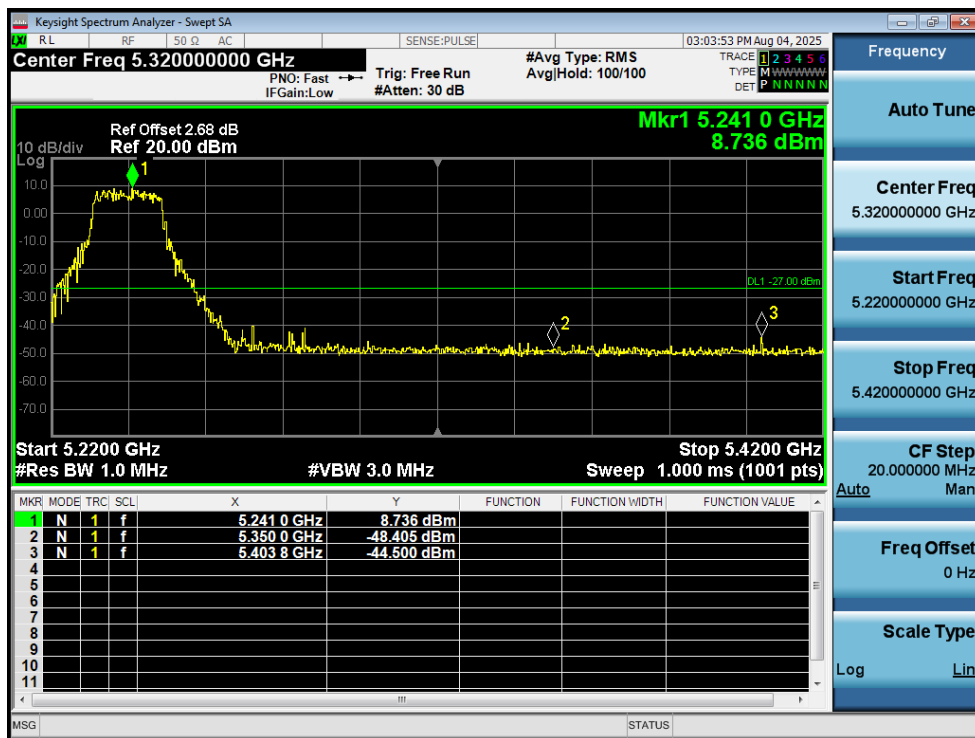
Band Edge NVNT a 5180MHz Low Ant1



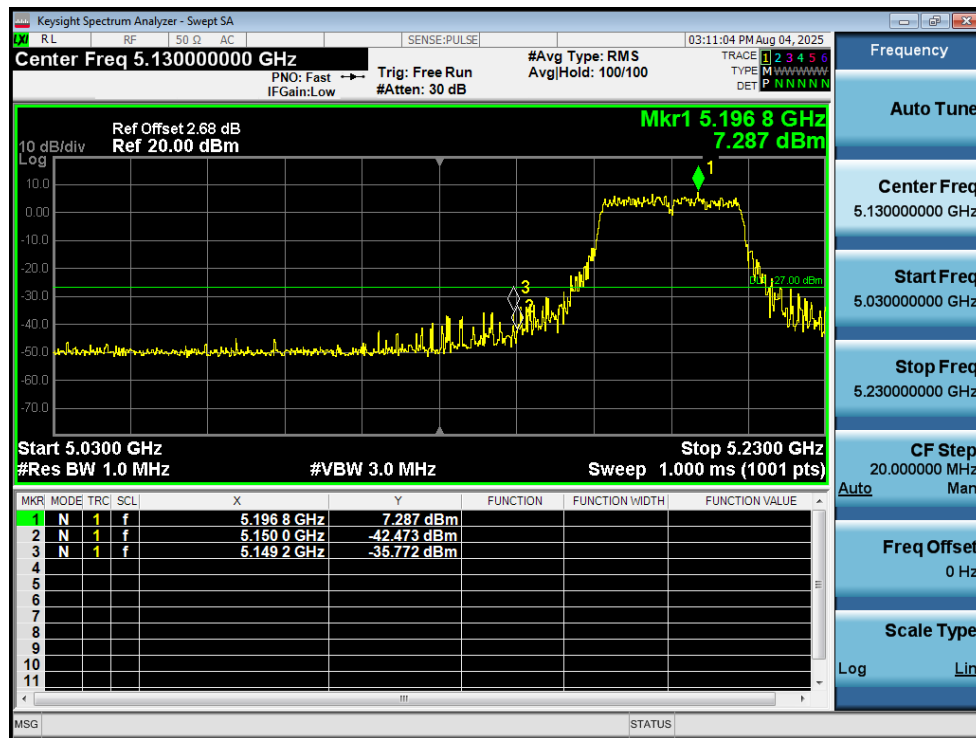
Band Edge NVNT a 5240MHz High Ant1



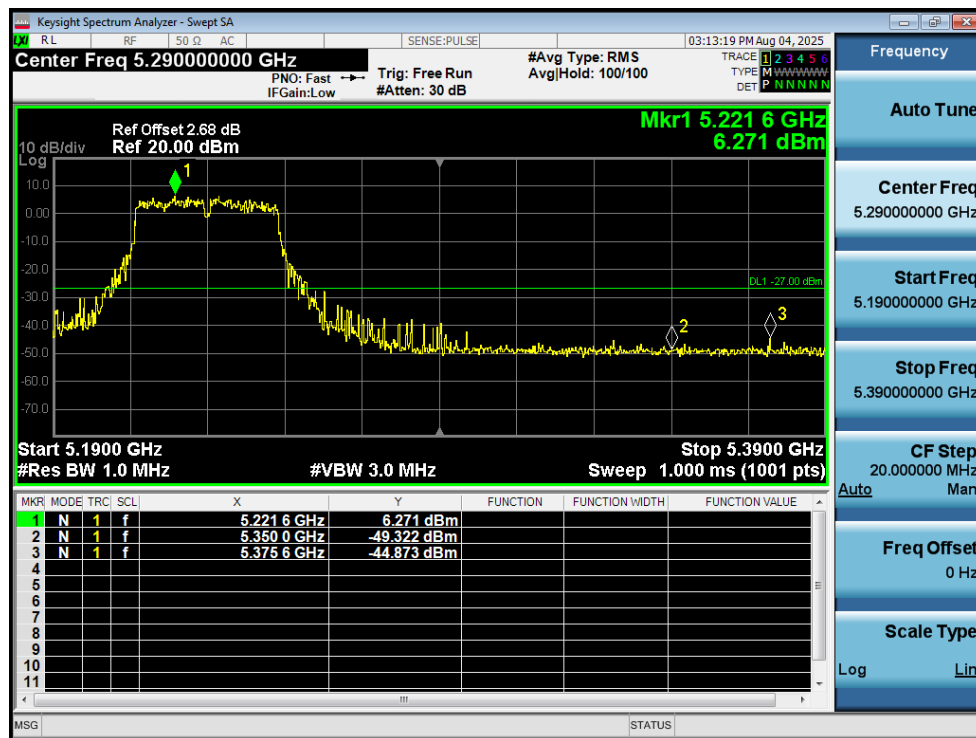
Band Edge NVNT n20 5180MHz Low Ant1



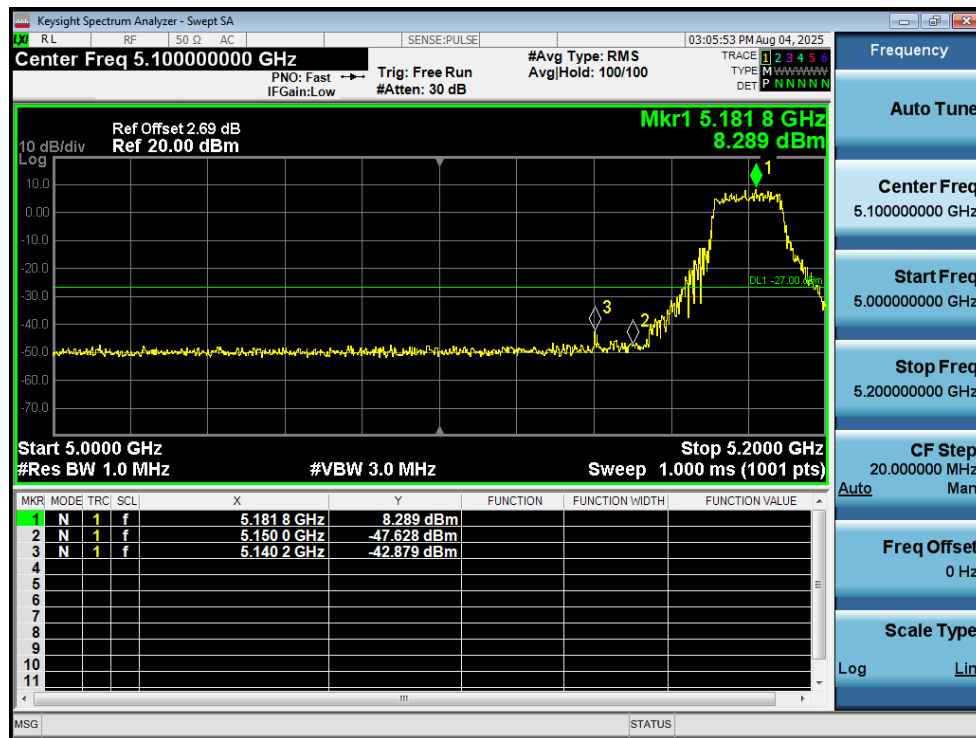
Band Edge NVNT n20 5240MHz High Ant1



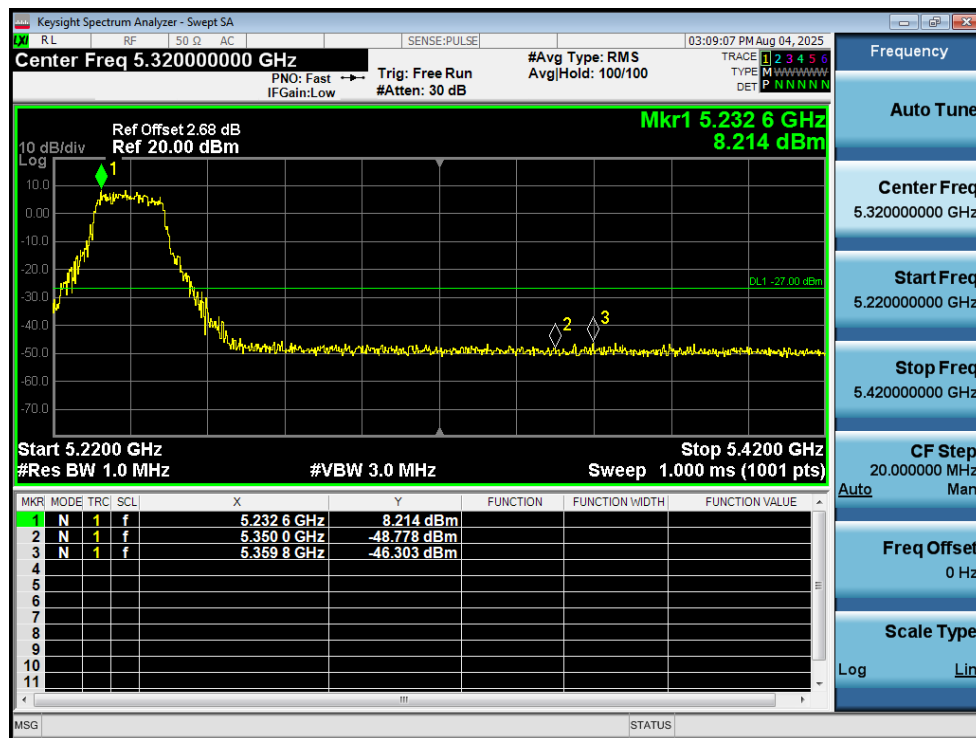
Band Edge NVNT n40 5190MHz Low Ant1



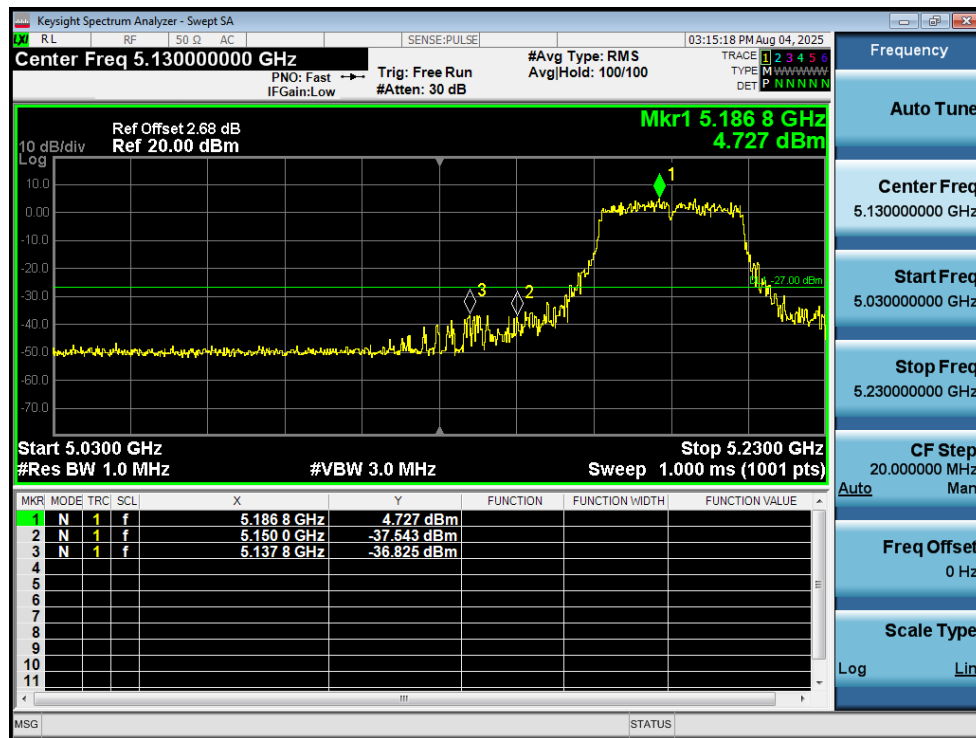
Band Edge NVNT n40 5230MHz High Ant1



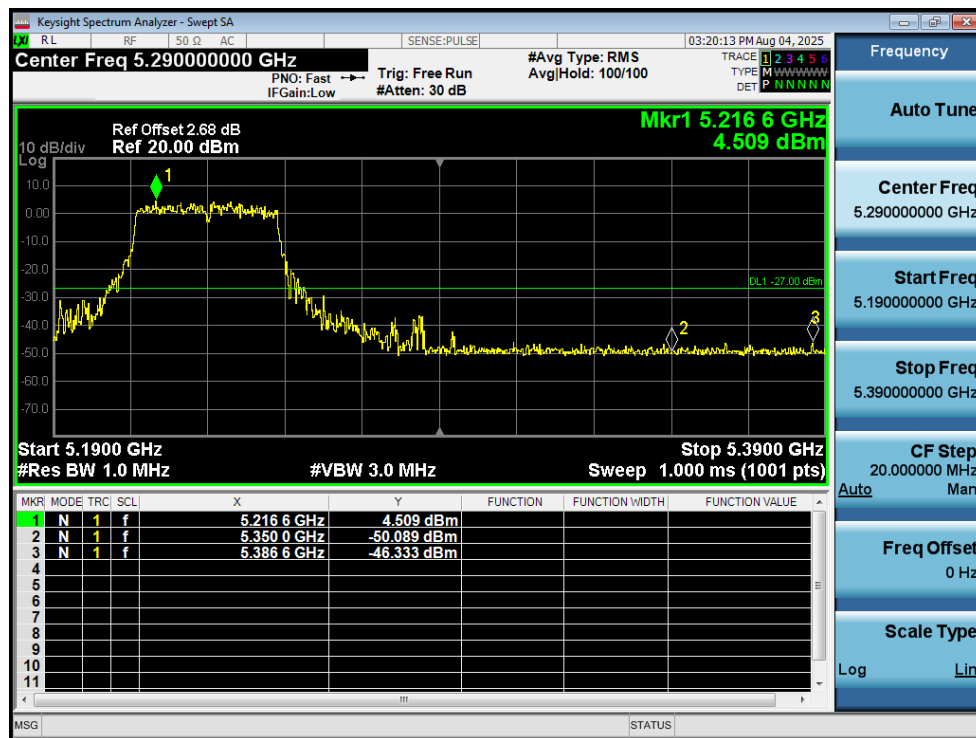
Band Edge NVNT ac20 5180MHz Low Ant1



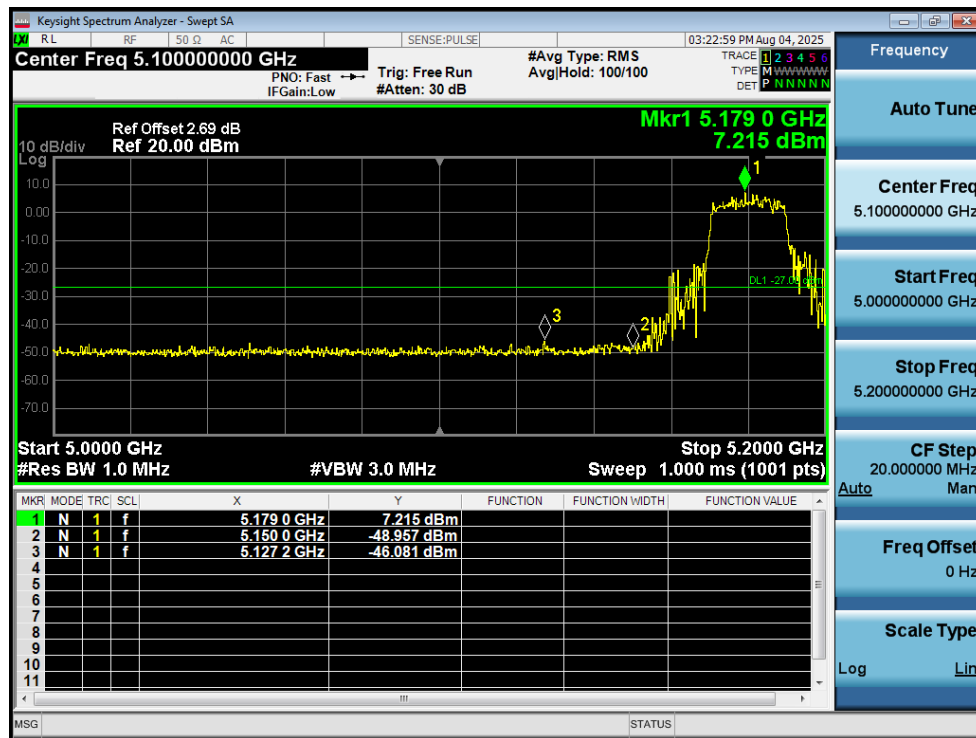
Band Edge NVNT ac20 5240MHz High Ant1



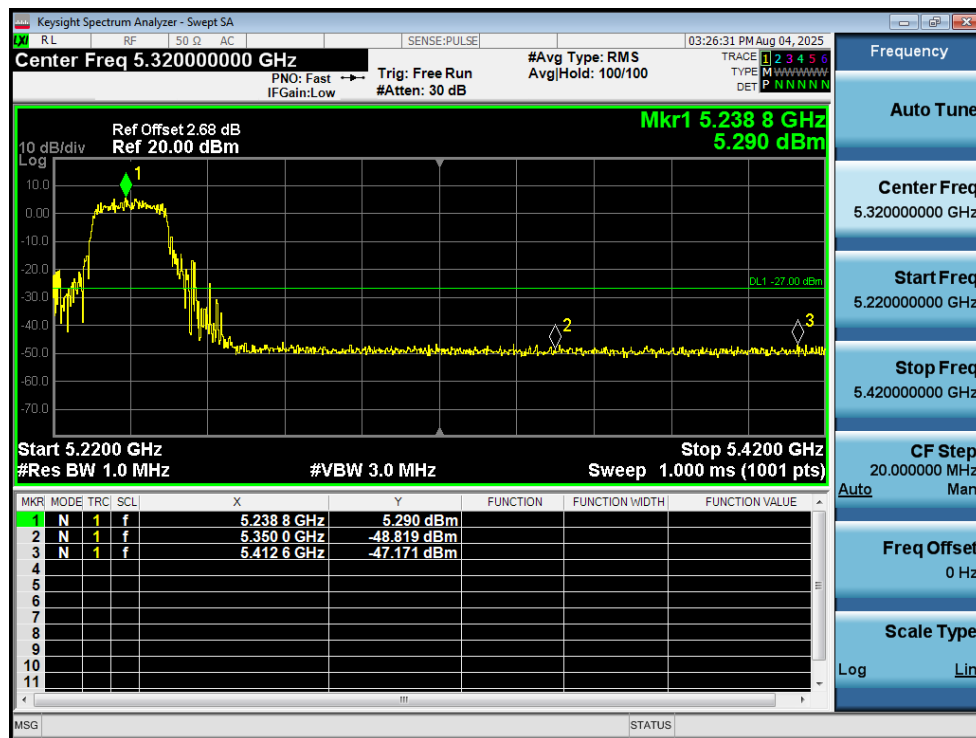
Band Edge NVNT ac40 5190MHz Low Ant1



Band Edge NVNT ac40 5230MHz High Ant1



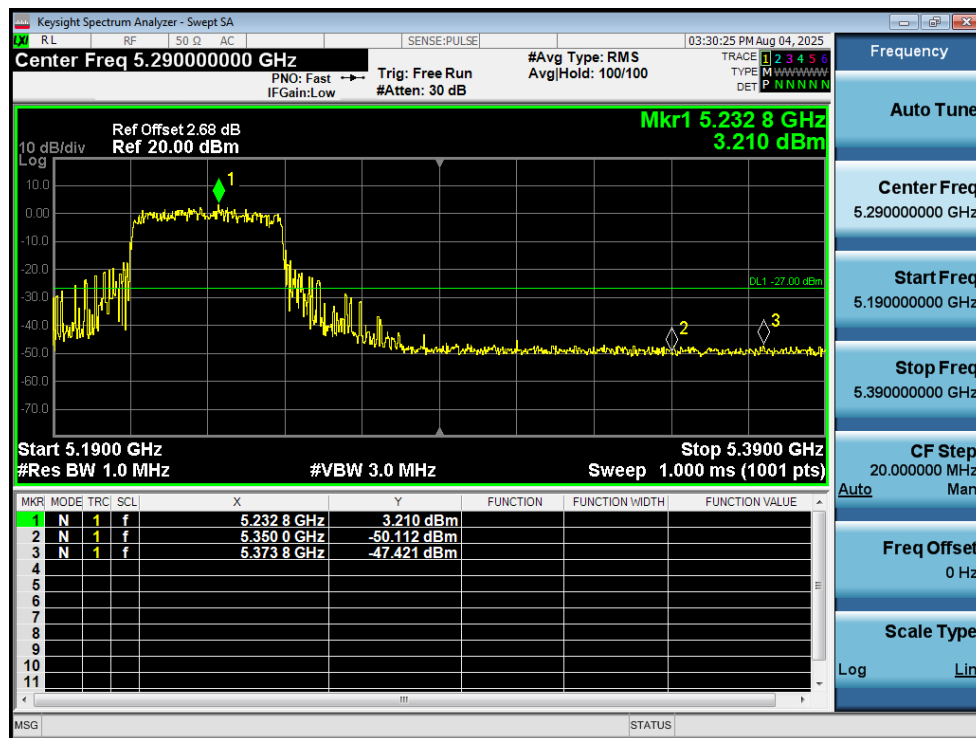
Band Edge NVNT ax20 5180MHz Low Ant1



Band Edge NVNT ax20 5240MHz High Ant1



Band Edge NVNT ax40 5190MHz Low Ant1

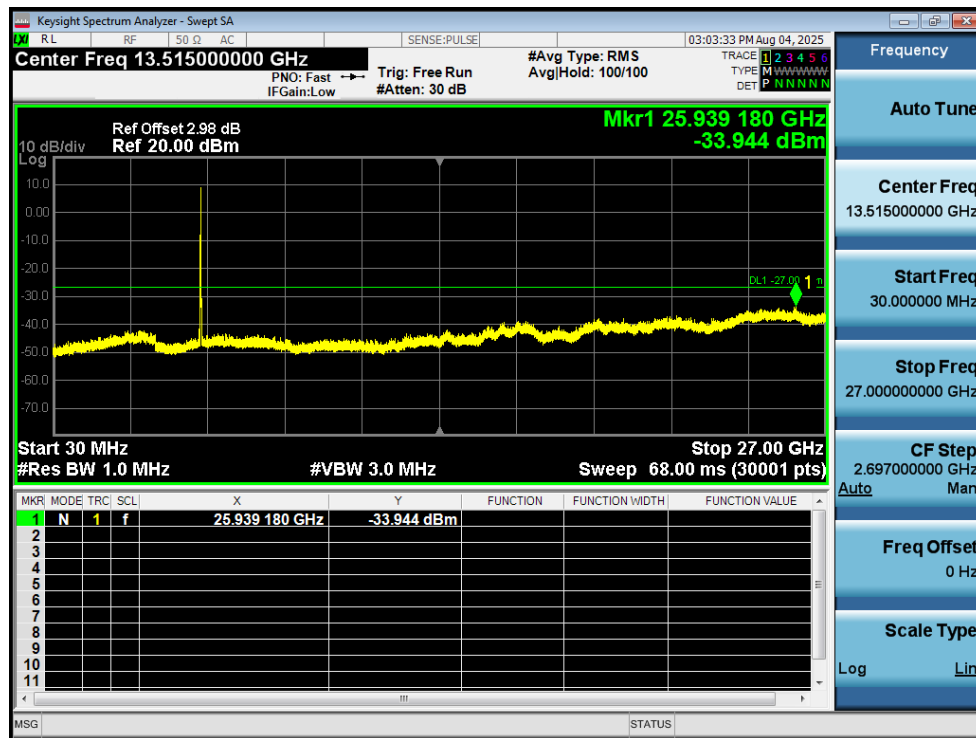


Band Edge NVNT ax40 5230MHz High Ant1

7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-33.94	-27	Pass
NVNT	a	5200	Ant1	-34.16	-27	Pass
NVNT	a	5240	Ant1	-33.96	-27	Pass
NVNT	n20	5180	Ant1	-33.39	-27	Pass
NVNT	n20	5200	Ant1	-34.45	-27	Pass
NVNT	n20	5240	Ant1	-34.06	-27	Pass
NVNT	n40	5190	Ant1	-33.42	-27	Pass
NVNT	n40	5230	Ant1	-33.67	-27	Pass
NVNT	ac20	5180	Ant1	-33.5	-27	Pass
NVNT	ac20	5200	Ant1	-33.66	-27	Pass
NVNT	ac20	5240	Ant1	-33.69	-27	Pass
NVNT	ac40	5190	Ant1	-34.16	-27	Pass
NVNT	ac40	5230	Ant1	-33.72	-27	Pass
NVNT	ax20	5180	Ant1	-33.47	-27	Pass
NVNT	ax20	5200	Ant1	-34.44	-27	Pass
NVNT	ax20	5240	Ant1	-34.37	-27	Pass
NVNT	ax40	5190	Ant1	-34.26	-27	Pass
NVNT	ax40	5230	Ant1	-33.8	-27	Pass

Note: Testing is carried out with frequency rang 30MHz to the 40GHz, above 27GHz not recorded for no spurious point have a margin of less than 20dB with respect to the limits.



Tx. Spurious NVNT a 5180MHz Ant1 Emission



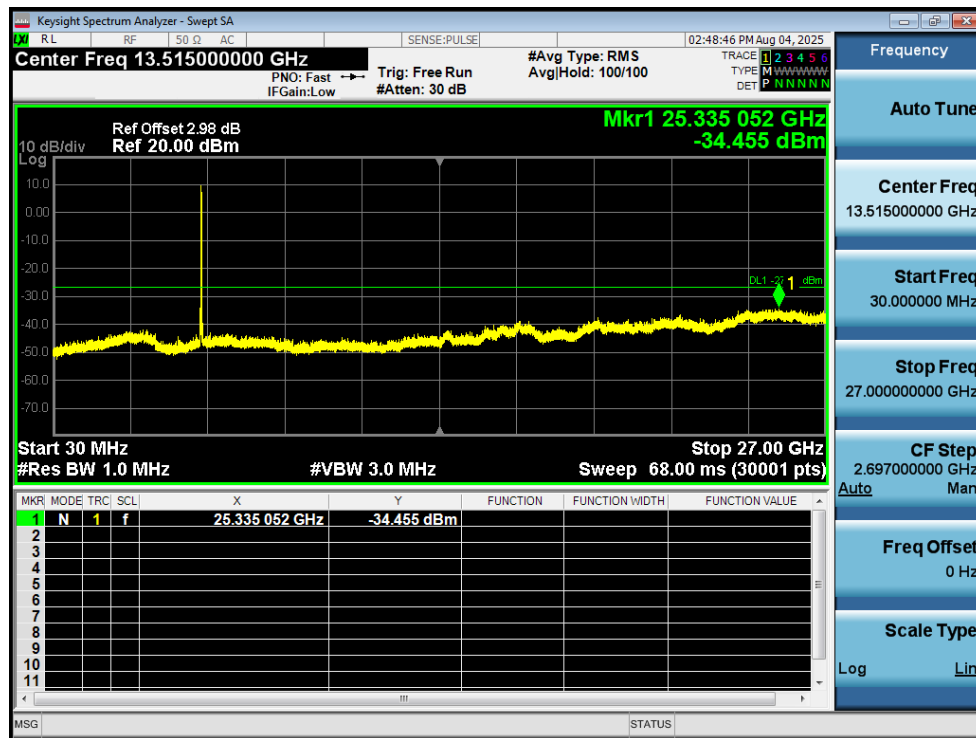
Tx. Spurious NVNT a 5200MHz Ant1 Emission



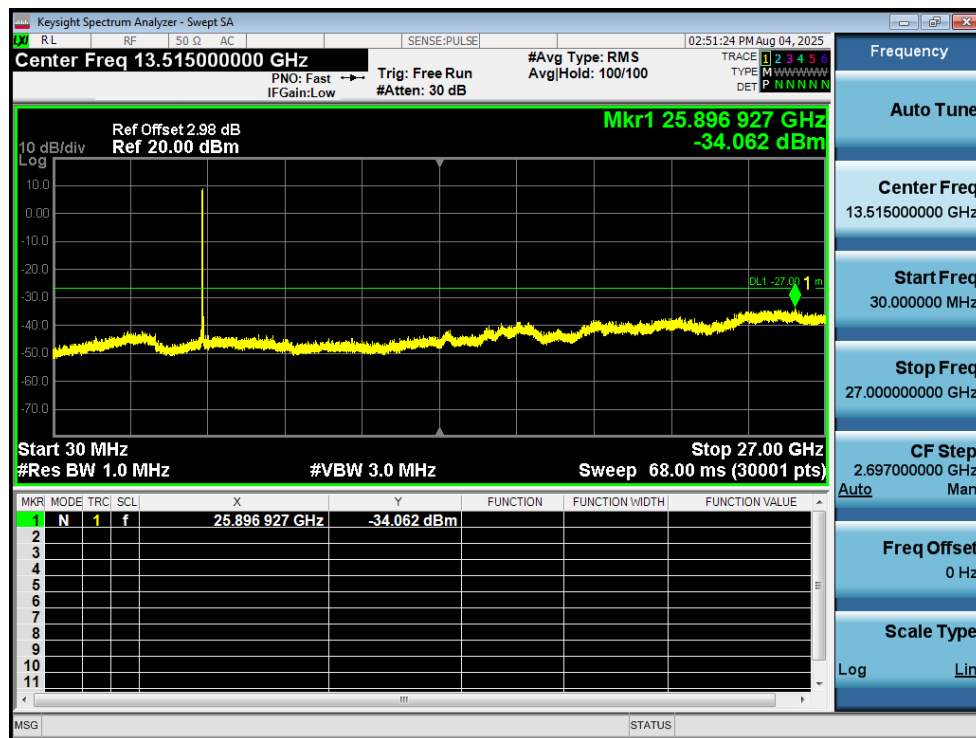
Tx. Spurious NVNT a 5240MHz Ant1 Emission



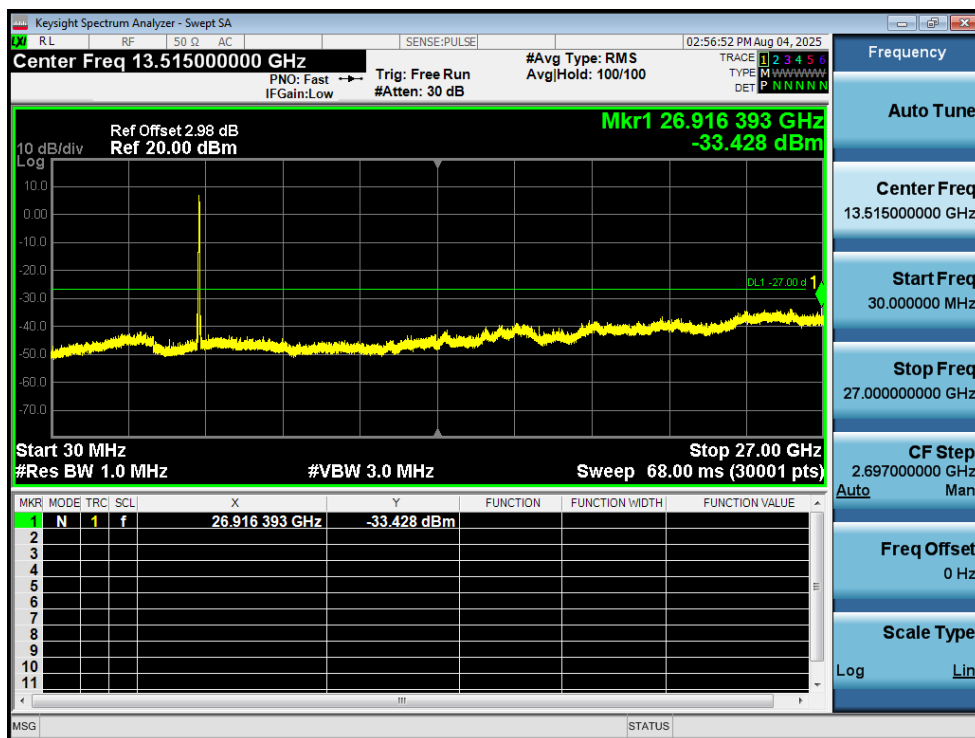
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



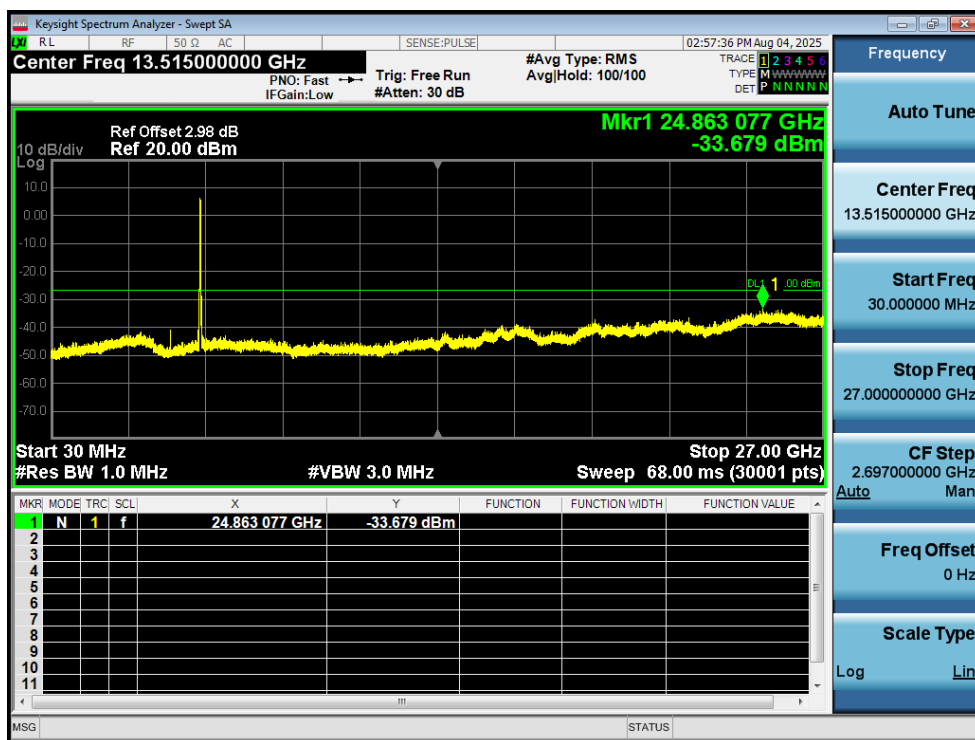
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



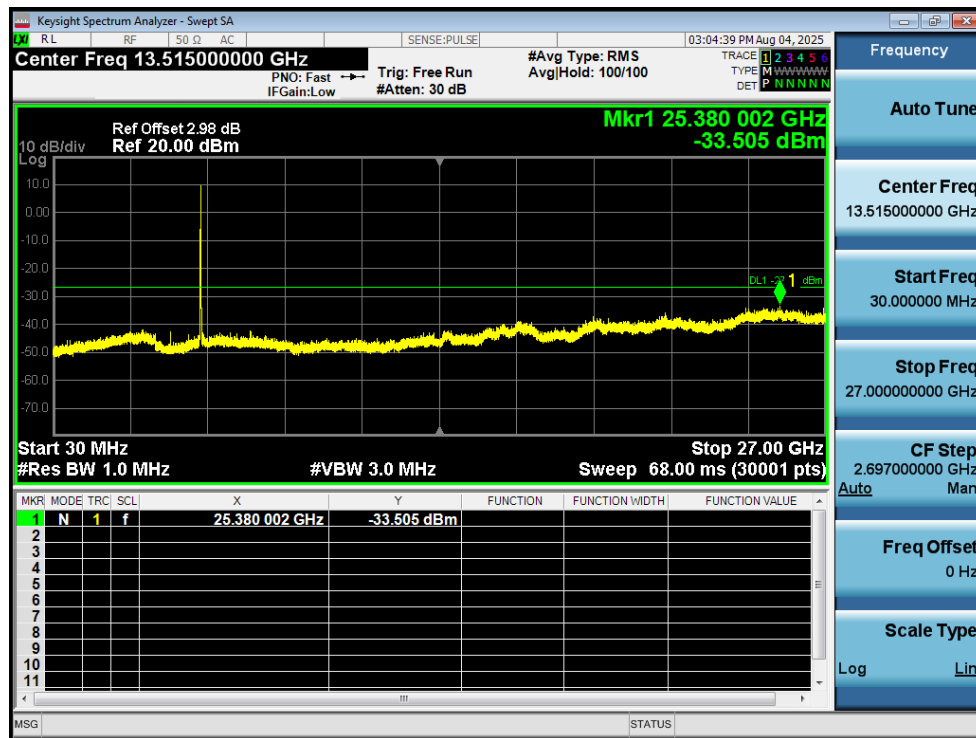
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



Tx. Spurious NVNT n40 5190MHz Ant1 Emission



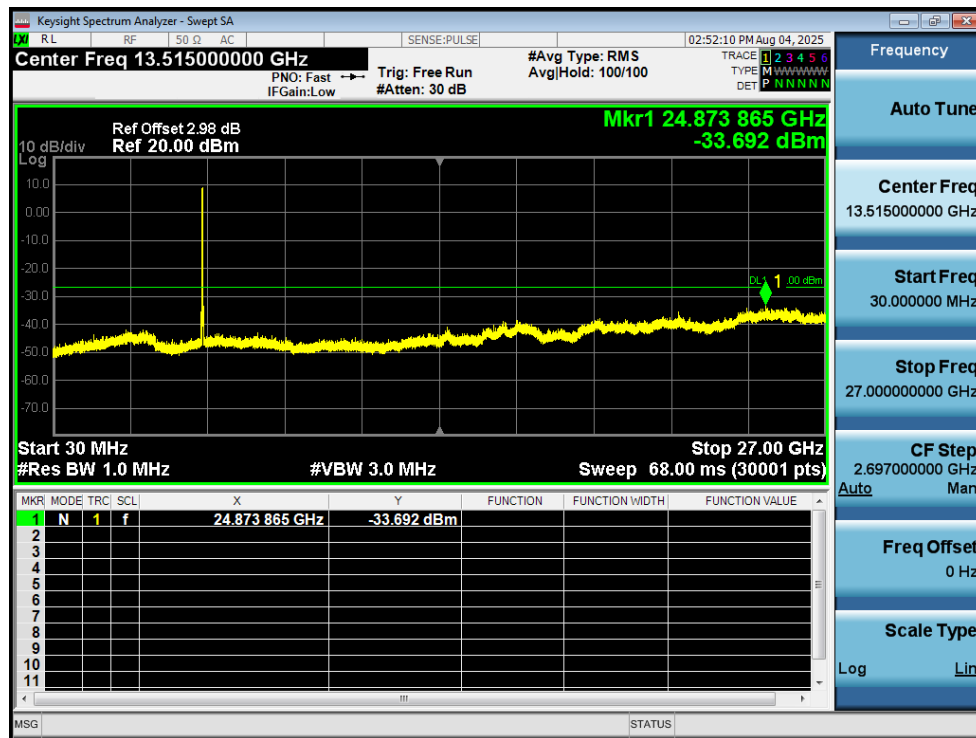
Tx. Spurious NVNT n40 5230MHz Ant1 Emission



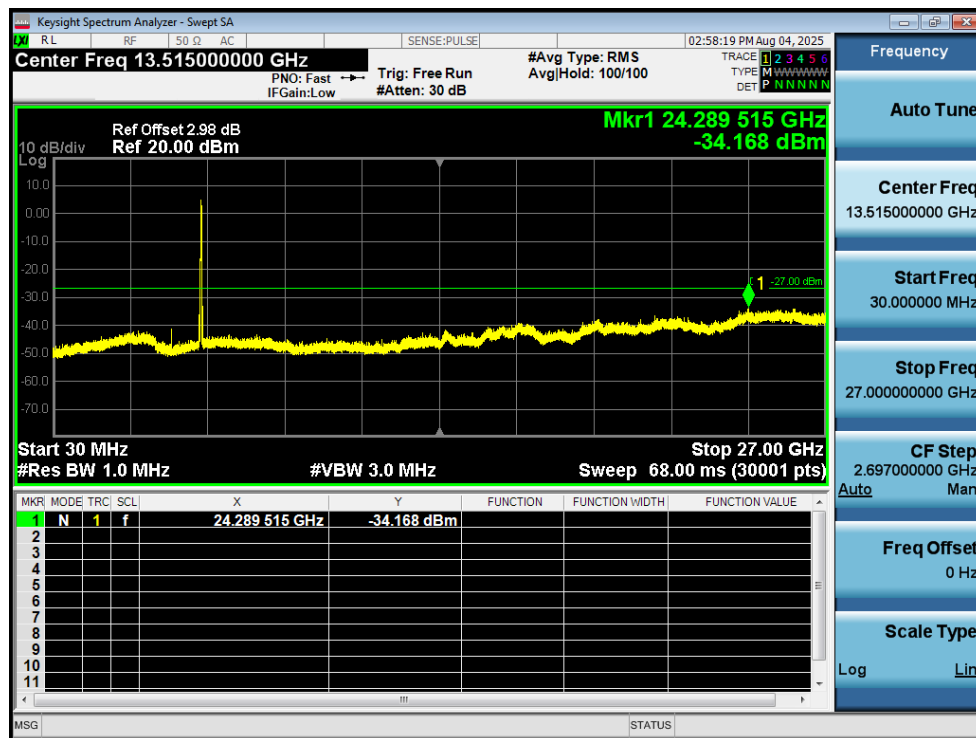
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



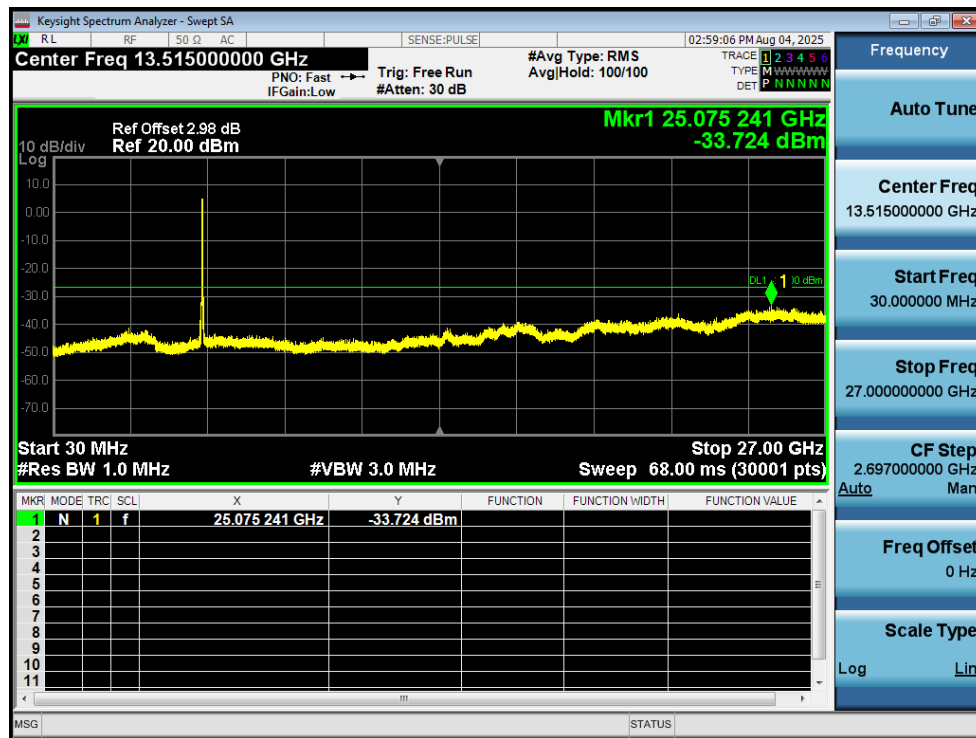
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



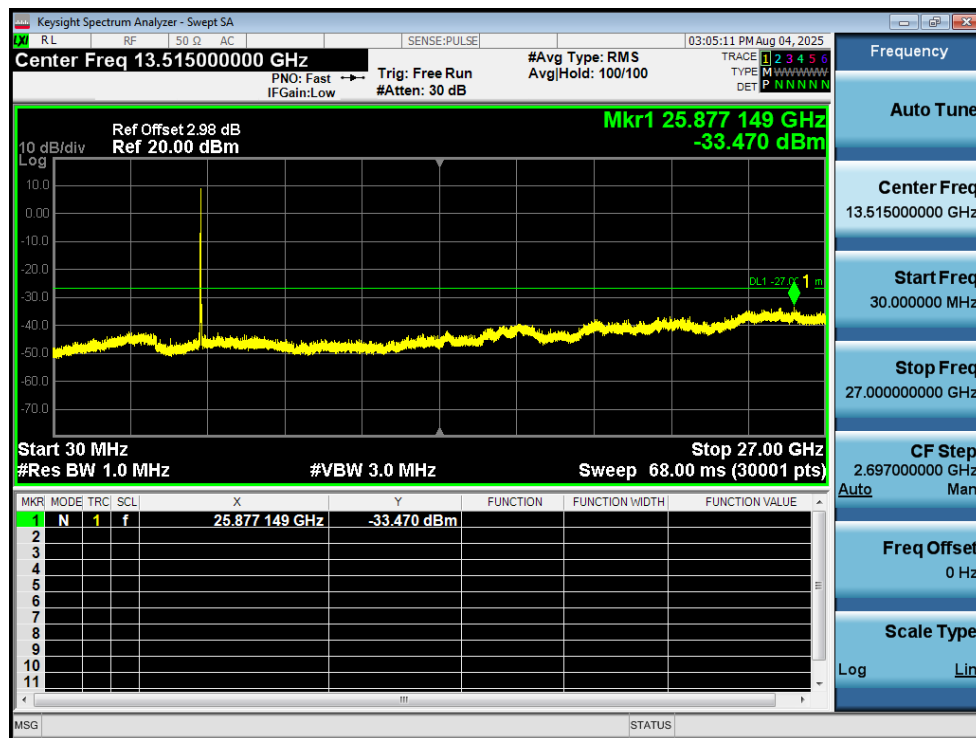
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



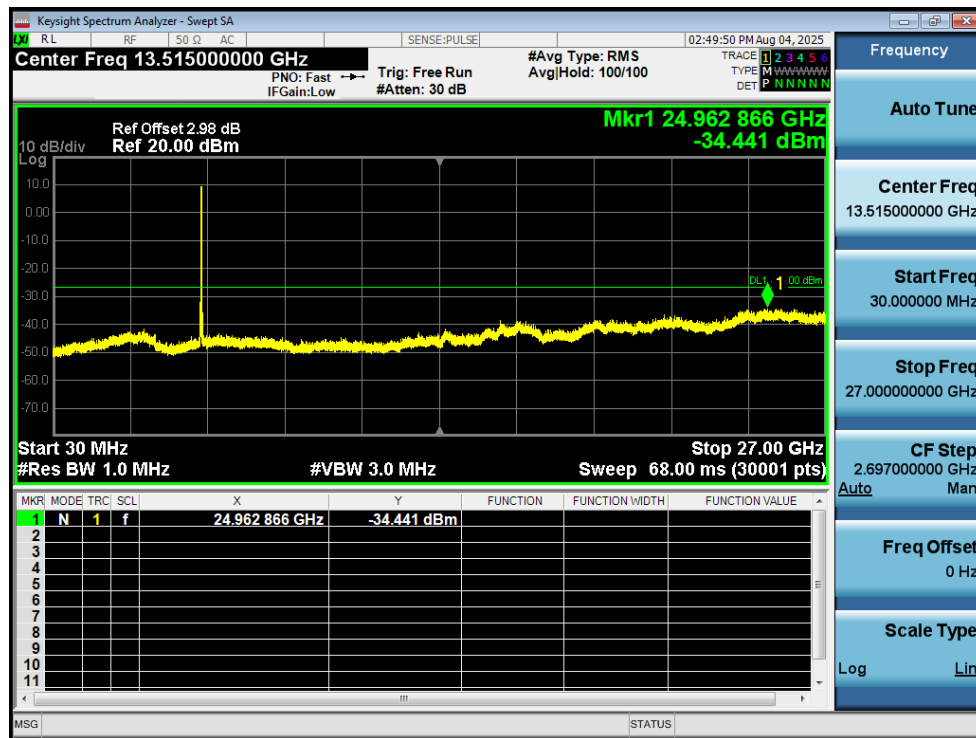
Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



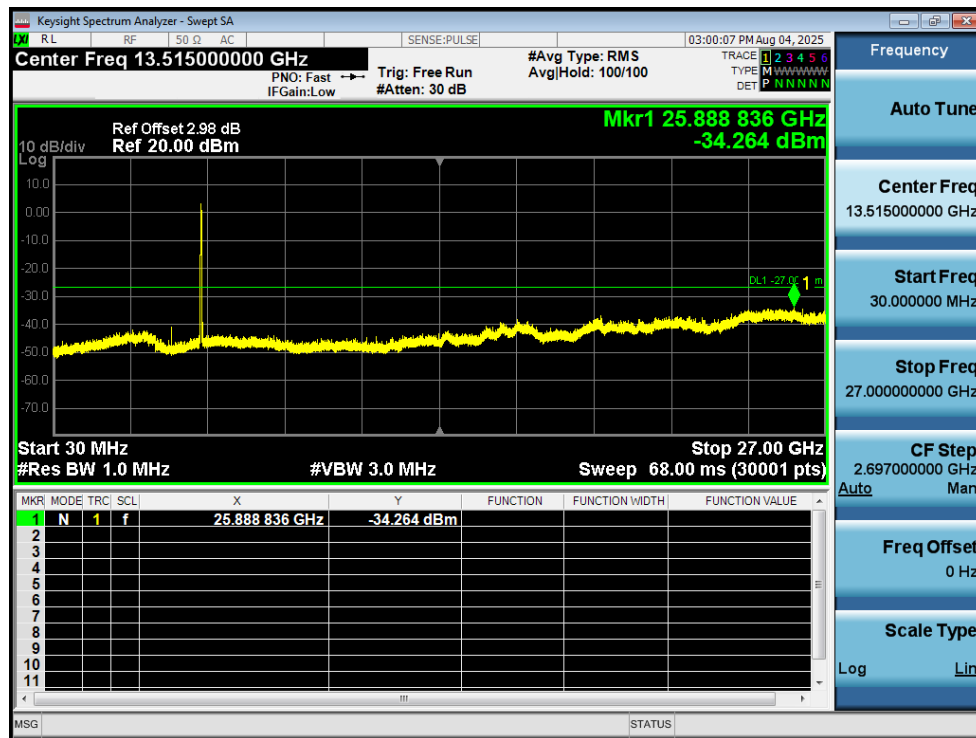
Tx. Spurious NVNT ax20 5180MHz Ant1 Emission



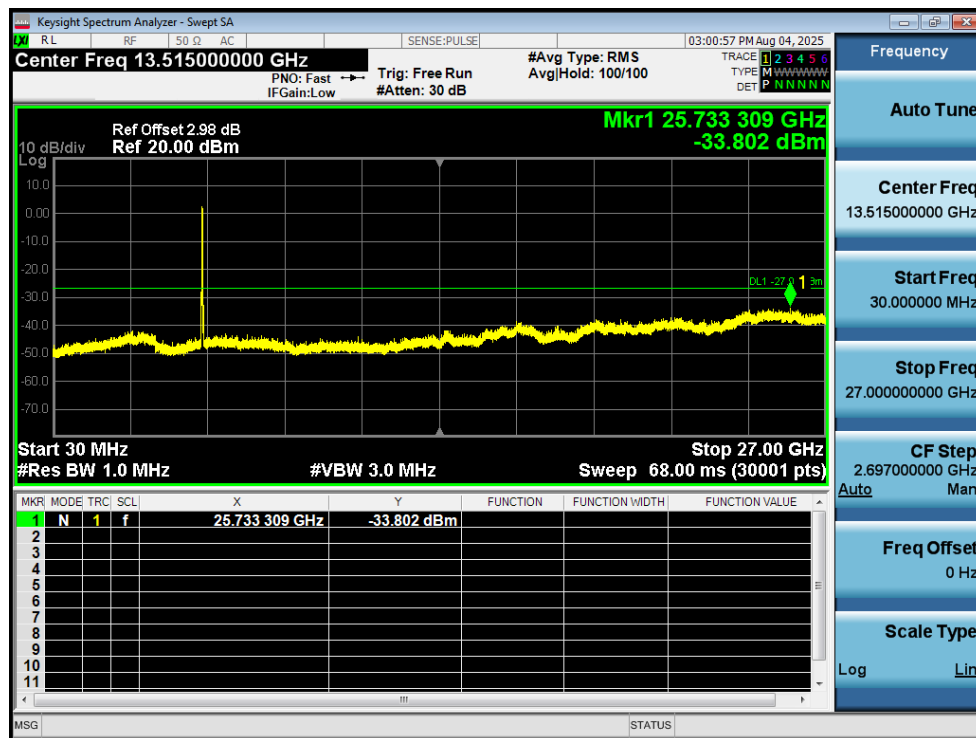
Tx. Spurious NVNT ax20 5200MHz Ant1 Emission



Tx. Spurious NVNT ax20 5240MHz Ant1 Emission



Tx. Spurious NVNT ax40 5190MHz Ant1 Emission



Tx. Spurious NVNT ax40 5230MHz Ant1 Emission