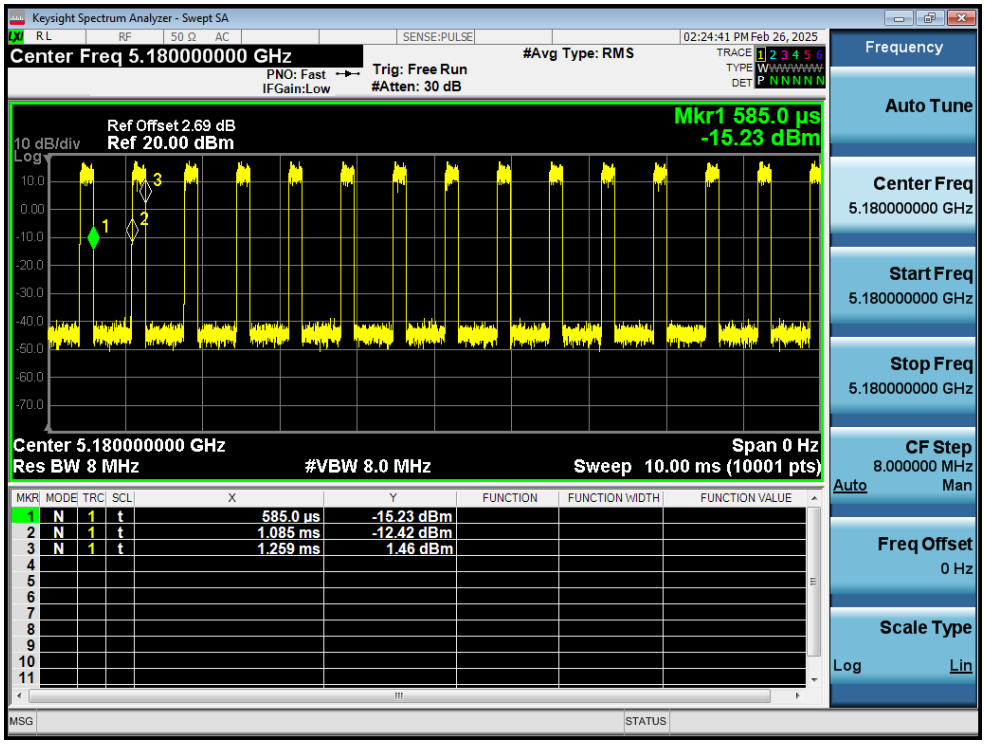
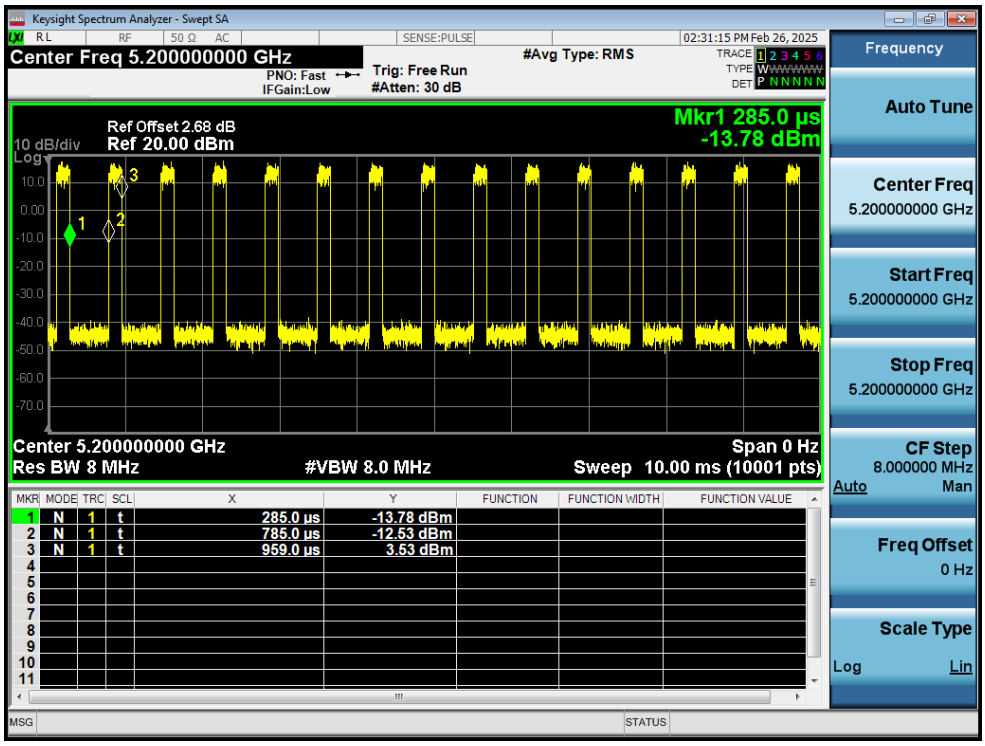
Test Data Appendix of Test Report

1. Duty Cycle

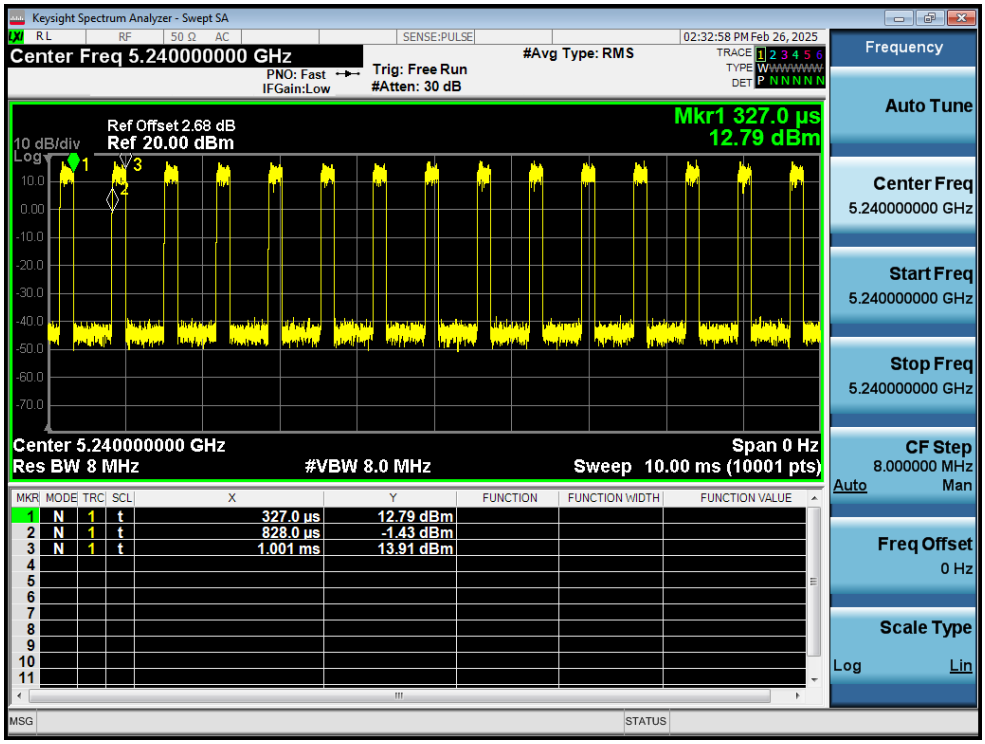
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	25.82	5.88	5.75
NVNT	a	5200	Ant1	25.82	5.88	5.75
NVNT	a	5240	Ant1	25.67	5.91	5.78
NVNT	n20	5180	Ant1	24.32	6.14	6.21
NVNT	n20	5200	Ant1	24.47	6.11	6.17
NVNT	n20	5240	Ant1	24.47	6.11	6.17
NVNT	n40	5190	Ant1	16.39	7.85	10.2
NVNT	n40	5230	Ant1	16.39	7.85	10.2
NVNT	ac20	5180	Ant1	56.92	2.45	1.51
NVNT	ac20	5200	Ant1	56.88	2.45	1.51
NVNT	ac20	5240	Ant1	56.88	2.45	1.51
NVNT	ac40	5190	Ant1	40.5	3.93	2.93
NVNT	ac40	5230	Ant1	40.62	3.91	2.92



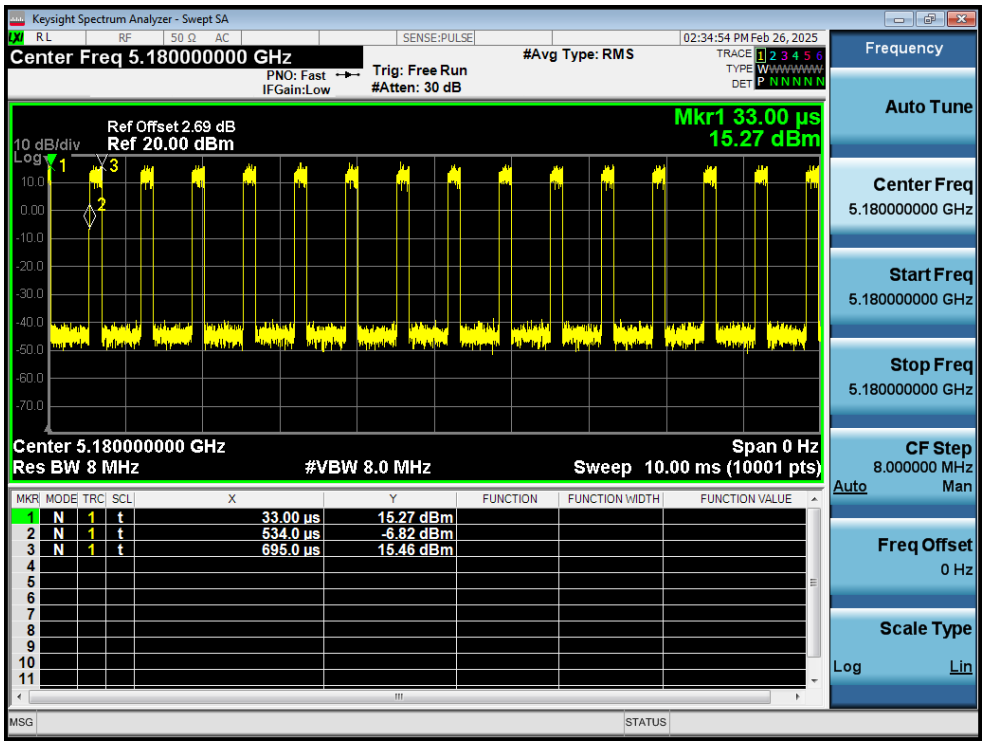
Duty Cycle NVNT a 5180MHz Ant1



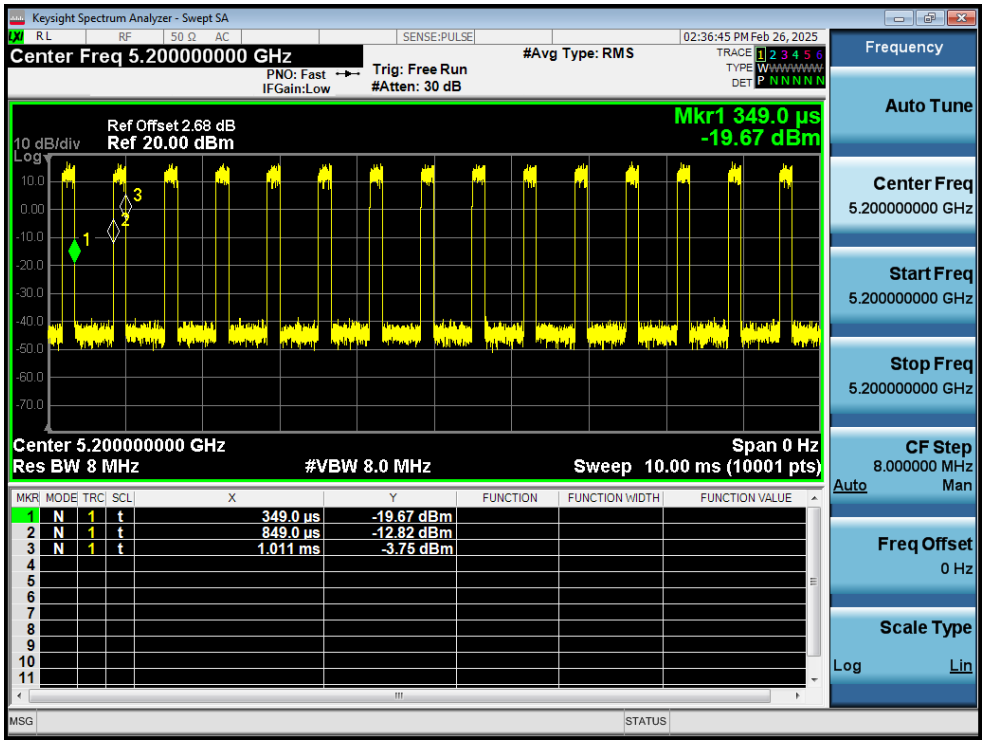
Duty Cycle NVNT a 5200MHz Ant1



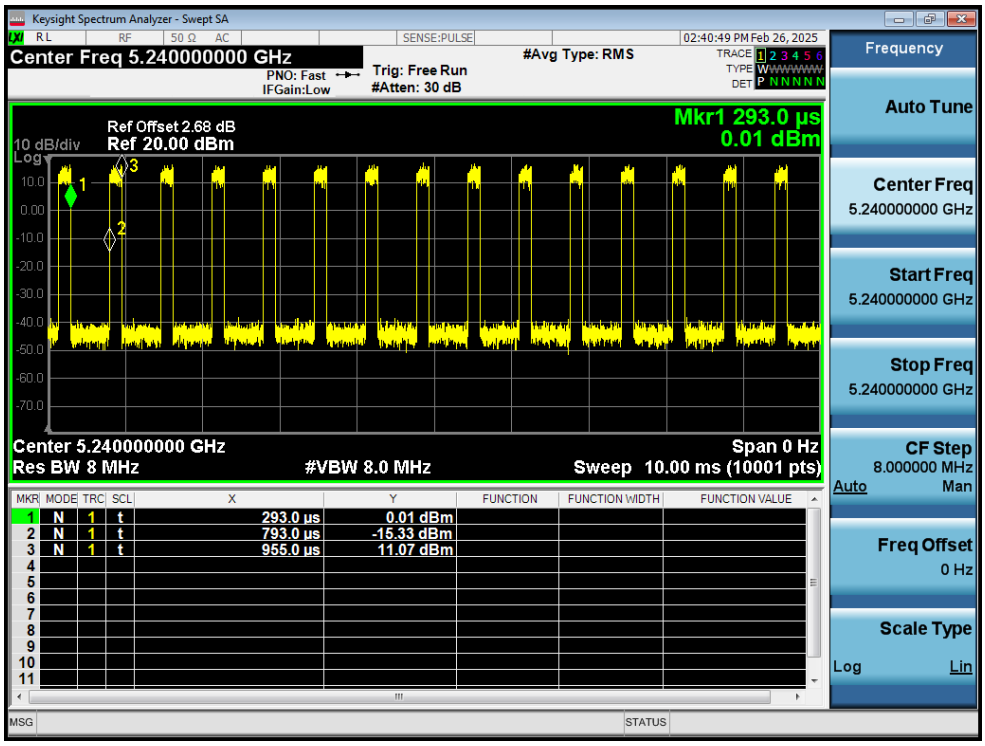
Duty Cycle NVNT a 5240MHz Ant1



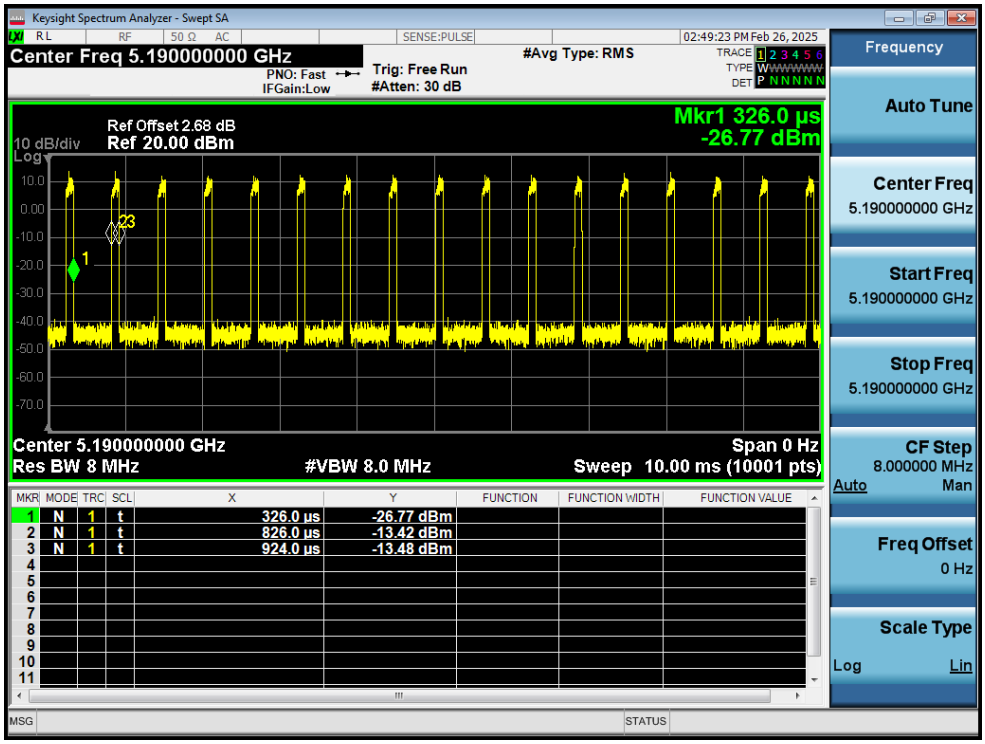
Duty Cycle NVNT n20 5180MHz Ant1



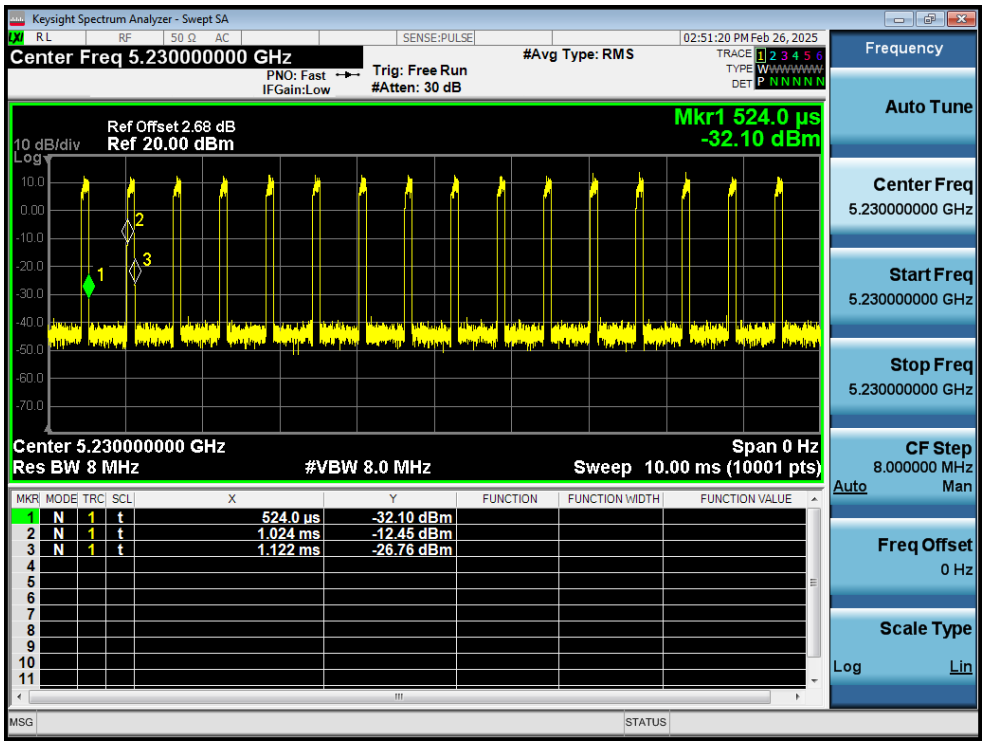
Duty Cycle NVNT n20 5200MHz Ant1



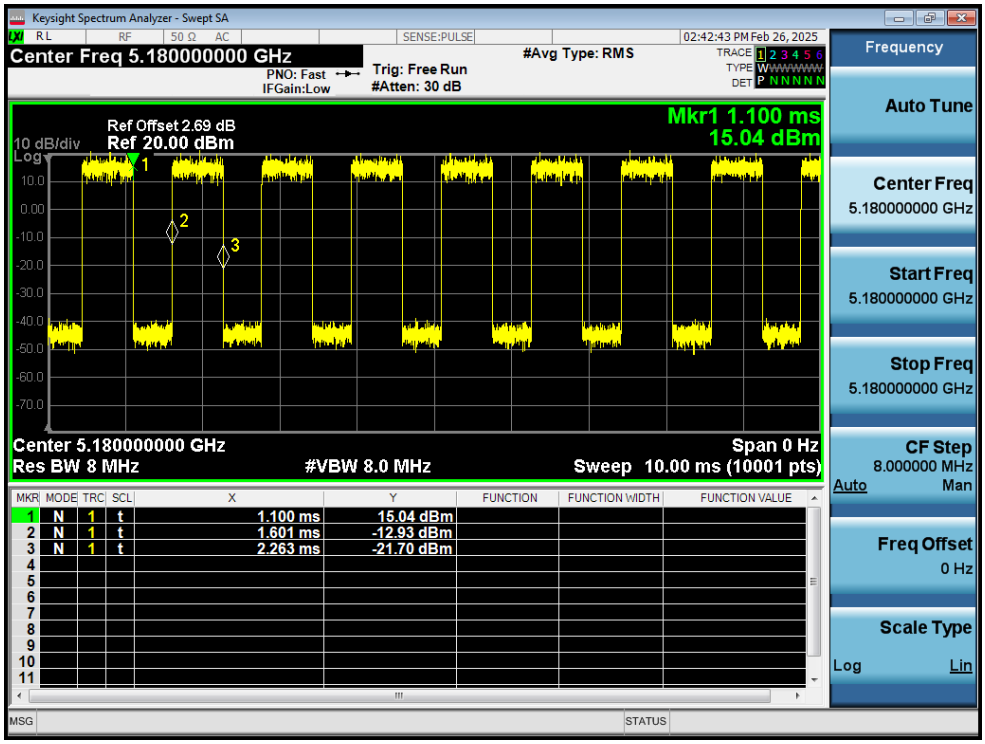
Duty Cycle NVNT n20 5240MHz Ant1



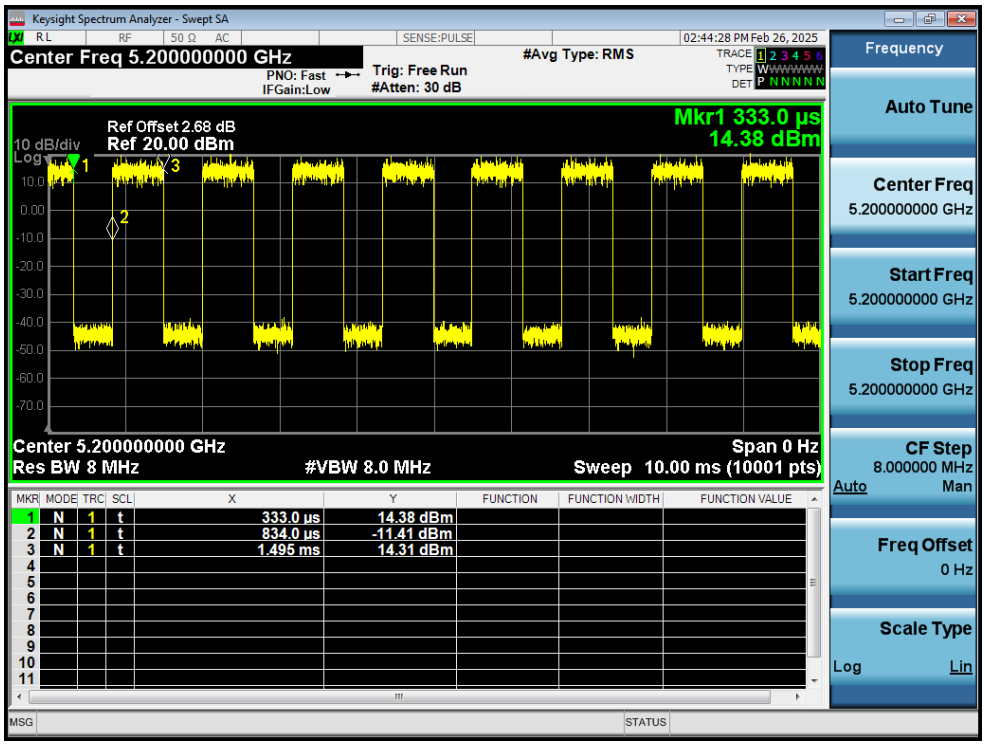
Duty Cycle NVNT n40 5190MHz Ant1



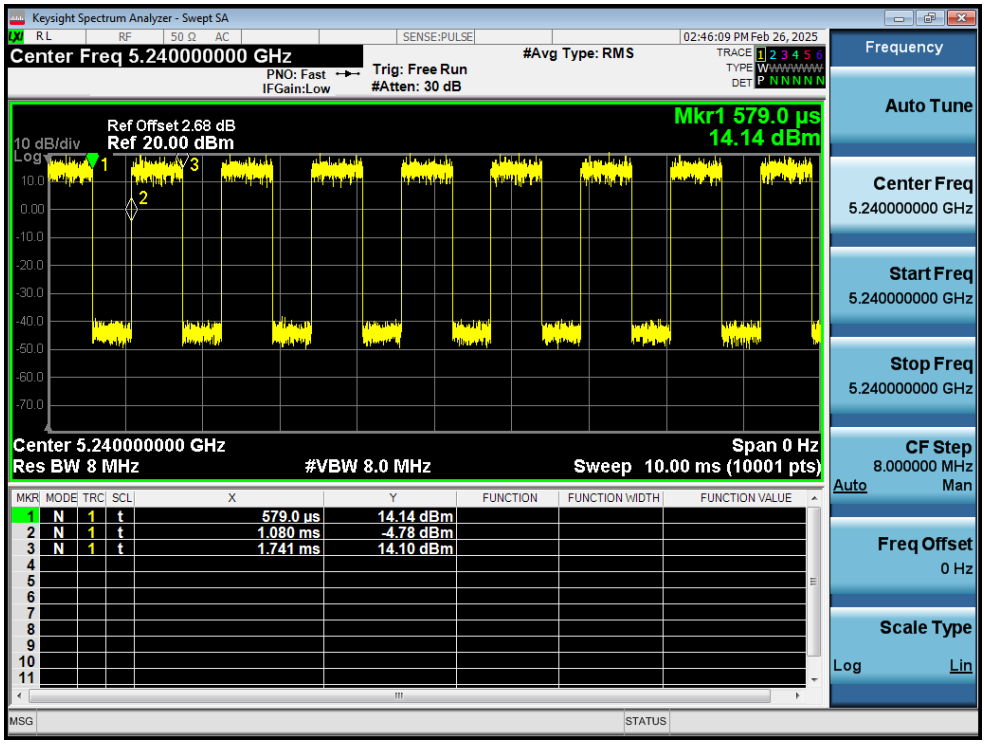
Duty Cycle NVNT n40 5230MHz Ant1



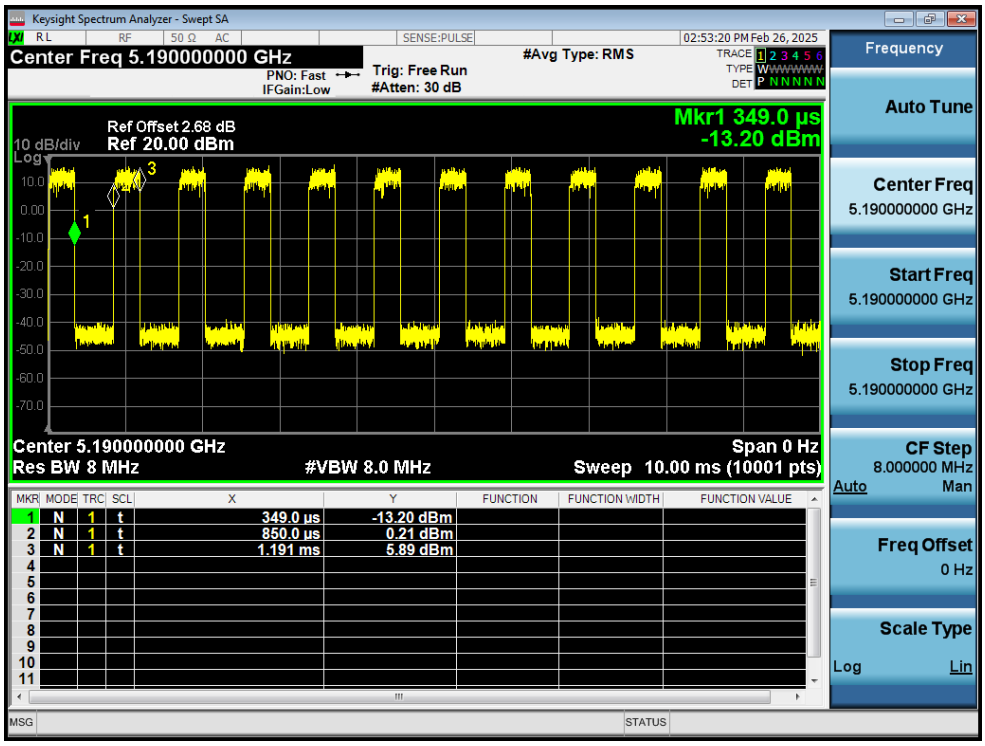
Duty Cycle NVNT ac20 5180MHz Ant1



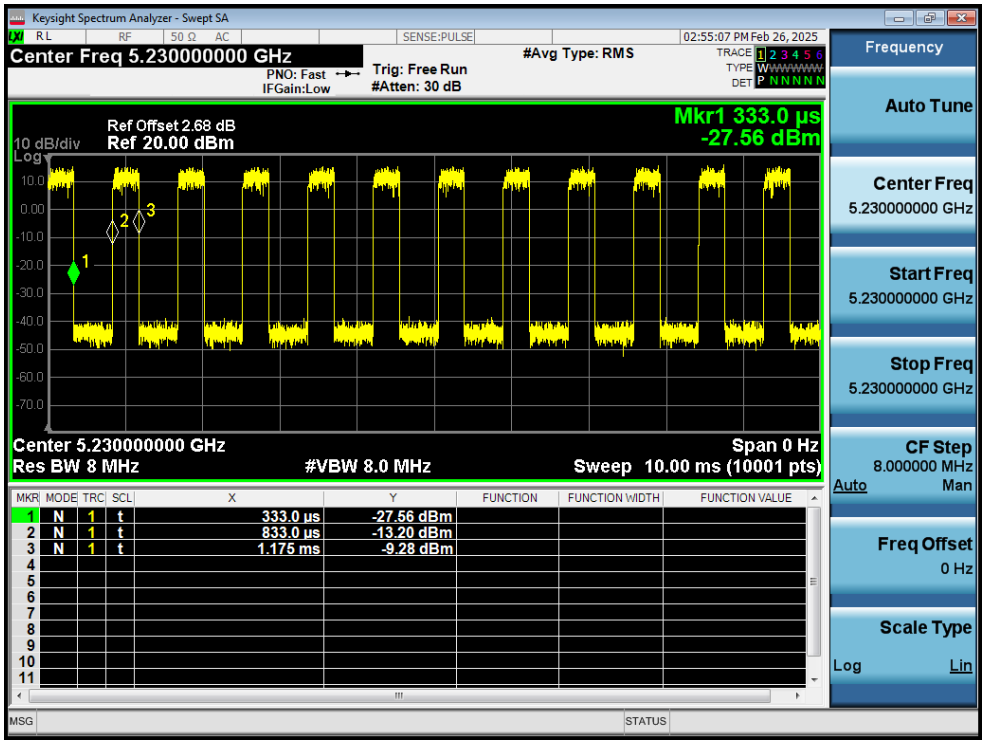
Duty Cycle NVNT ac20 5200MHz Ant1



Duty Cycle NVNT ac20 5240MHz Ant1



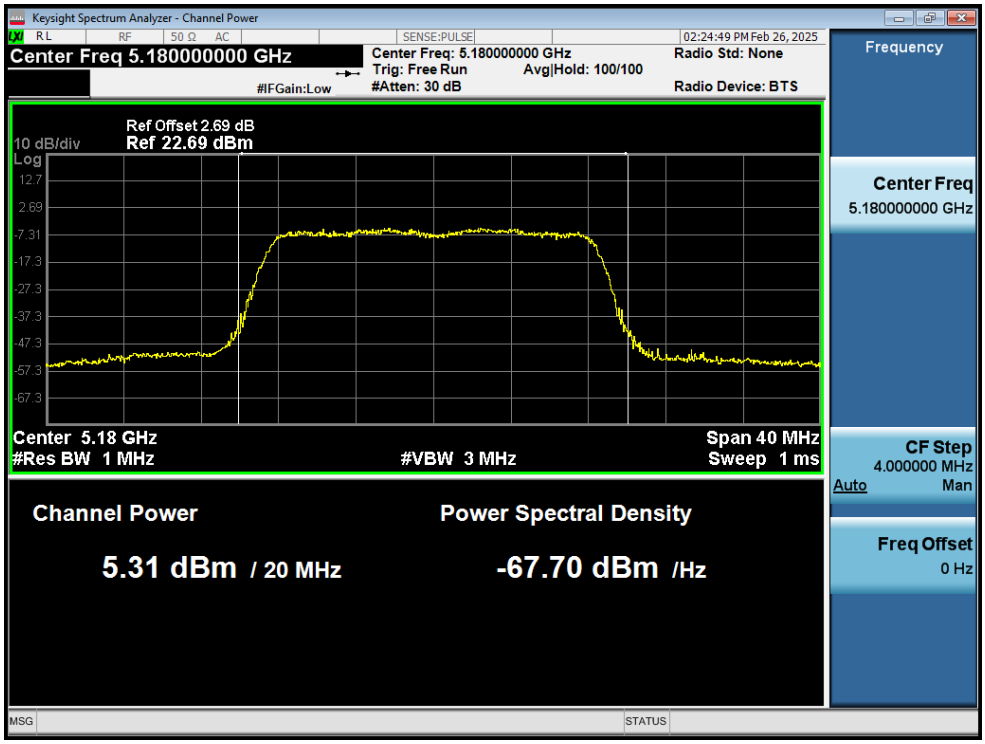
Duty Cycle NVNT ac40 5190MHz Ant1



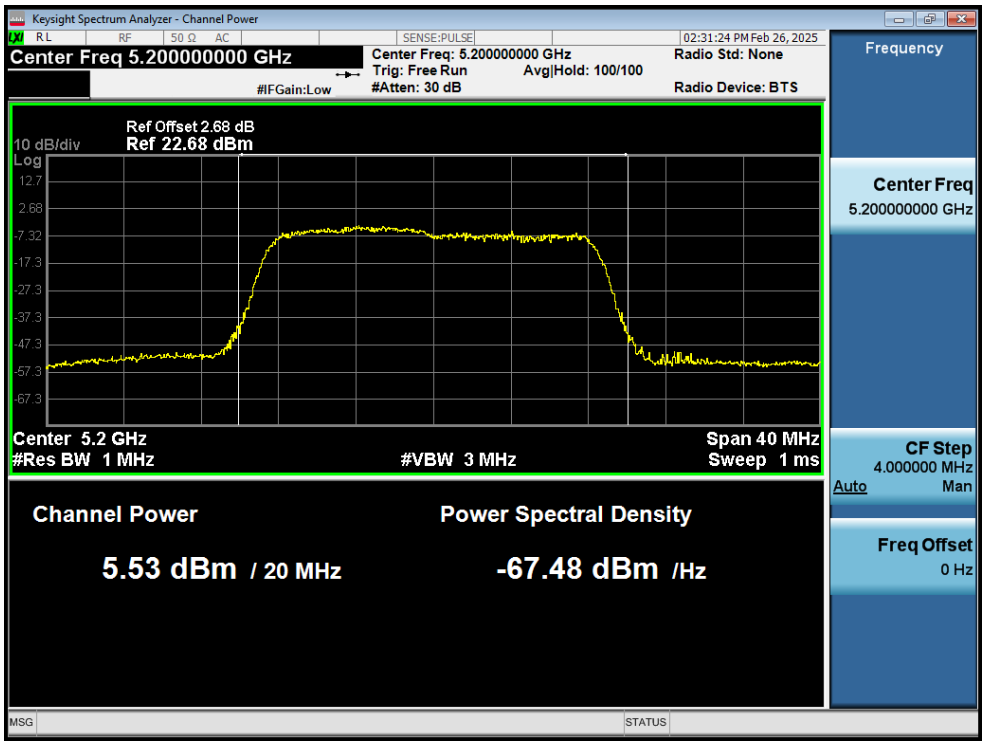
Duty Cycle NVNT ac40 5230MHz Ant1

2. Maximum Conducted Output Power

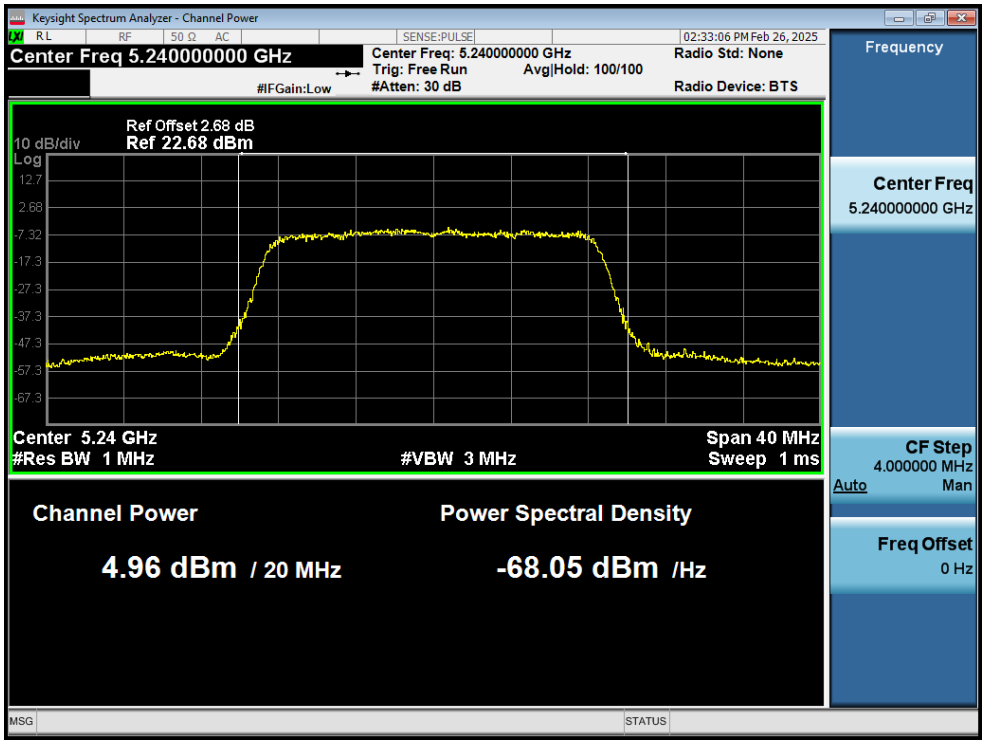
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	5.31	5.88	11.19	24	Pass
NVNT	a	5200	Ant1	5.53	5.88	11.41	24	Pass
NVNT	a	5240	Ant1	4.96	5.91	10.87	24	Pass
NVNT	n20	5180	Ant1	5.67	6.14	11.81	24	Pass
NVNT	n20	5200	Ant1	5.07	6.11	11.18	24	Pass
NVNT	n20	5240	Ant1	5.46	6.11	11.57	24	Pass
NVNT	n40	5190	Ant1	3.05	7.85	10.9	24	Pass
NVNT	n40	5230	Ant1	3.02	7.85	10.87	24	Pass
NVNT	ac20	5180	Ant1	10.83	2.45	13.28	24	Pass
NVNT	ac20	5200	Ant1	10.21	2.45	12.66	24	Pass
NVNT	ac20	5240	Ant1	10.52	2.45	12.97	24	Pass
NVNT	ac40	5190	Ant1	9.44	3.93	13.37	24	Pass
NVNT	ac40	5230	Ant1	9.1	3.91	13.01	24	Pass



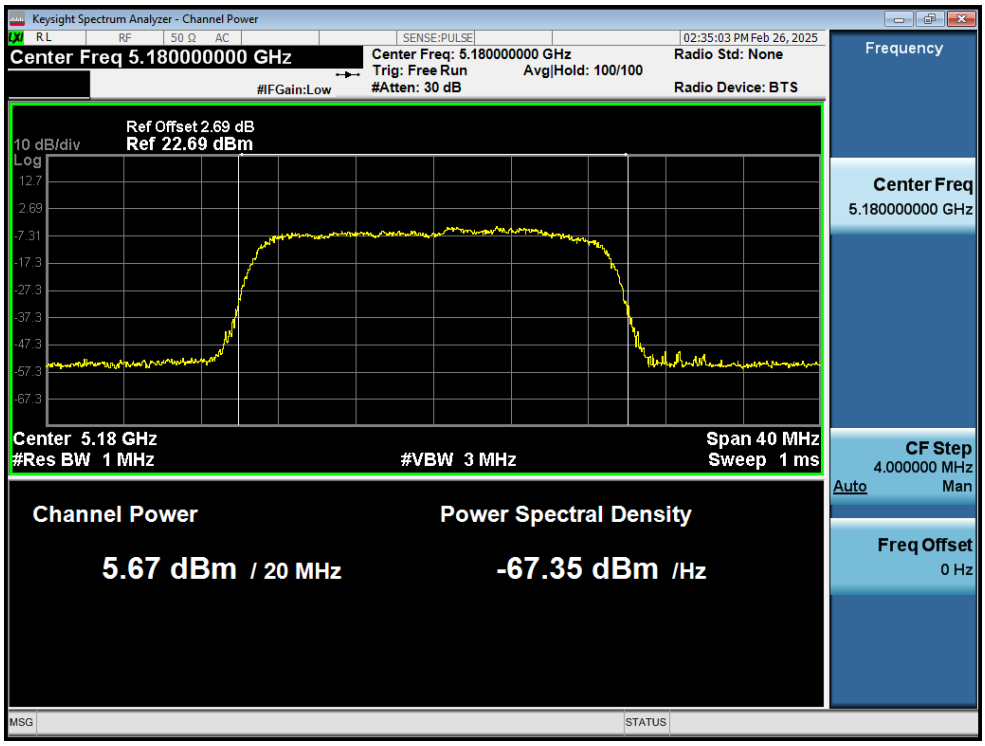
Power NVNT a 5180MHz Ant1



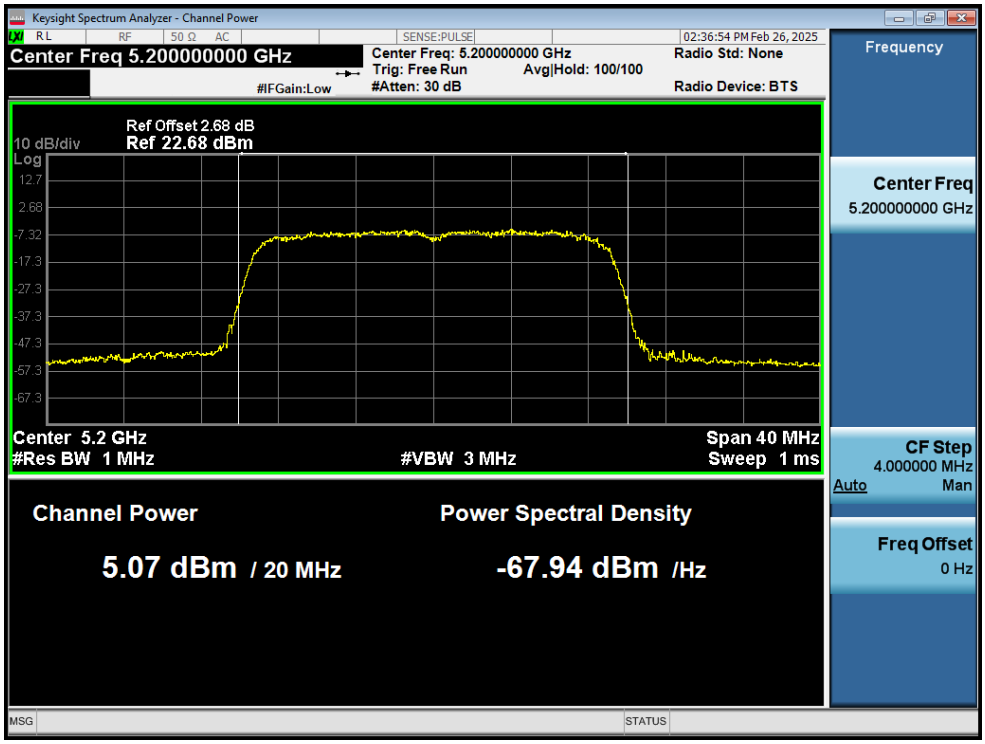
Power NVNT a 5200MHz Ant1



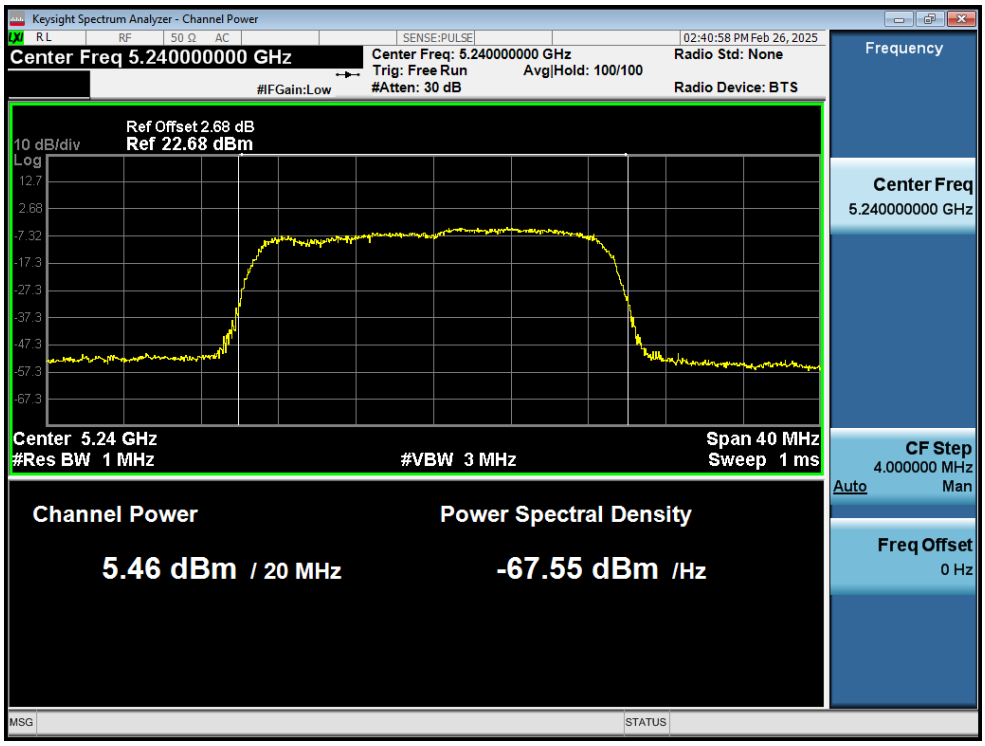
Power NVNT a 5240MHz Ant1



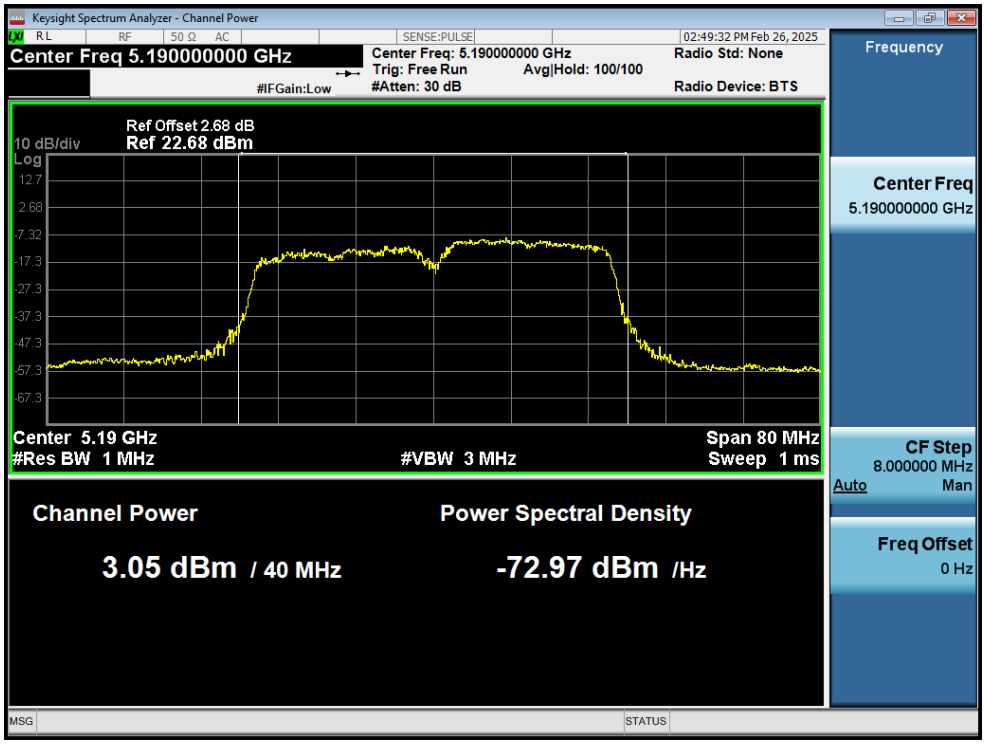
Power NVNT n20 5180MHz Ant1



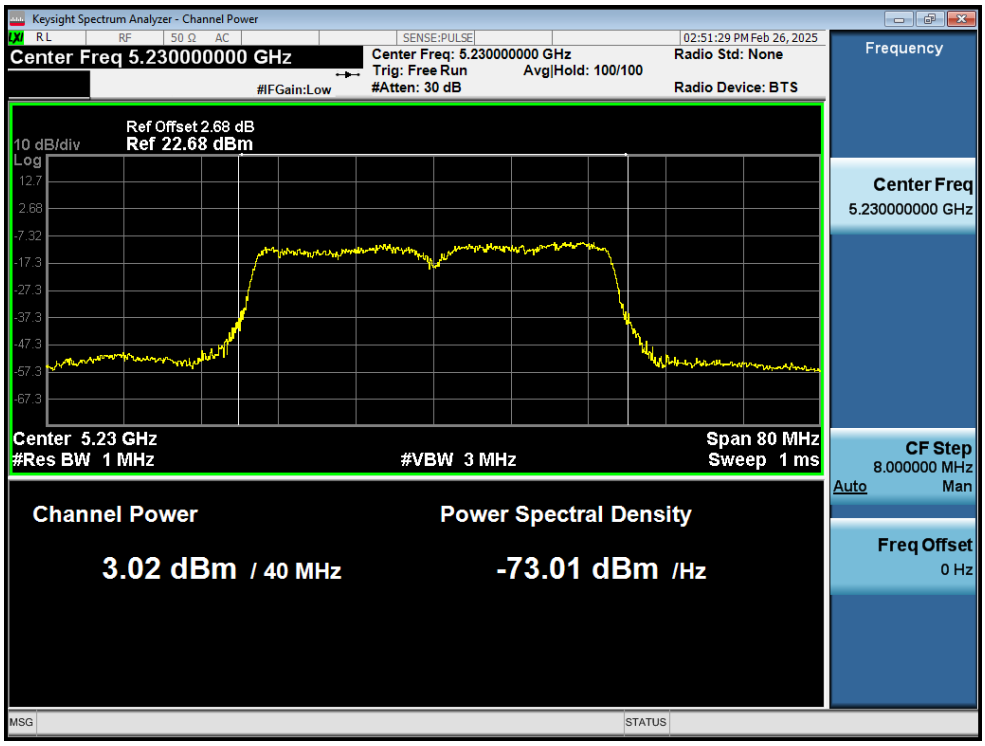
Power NVNT n20 5200MHz Ant1



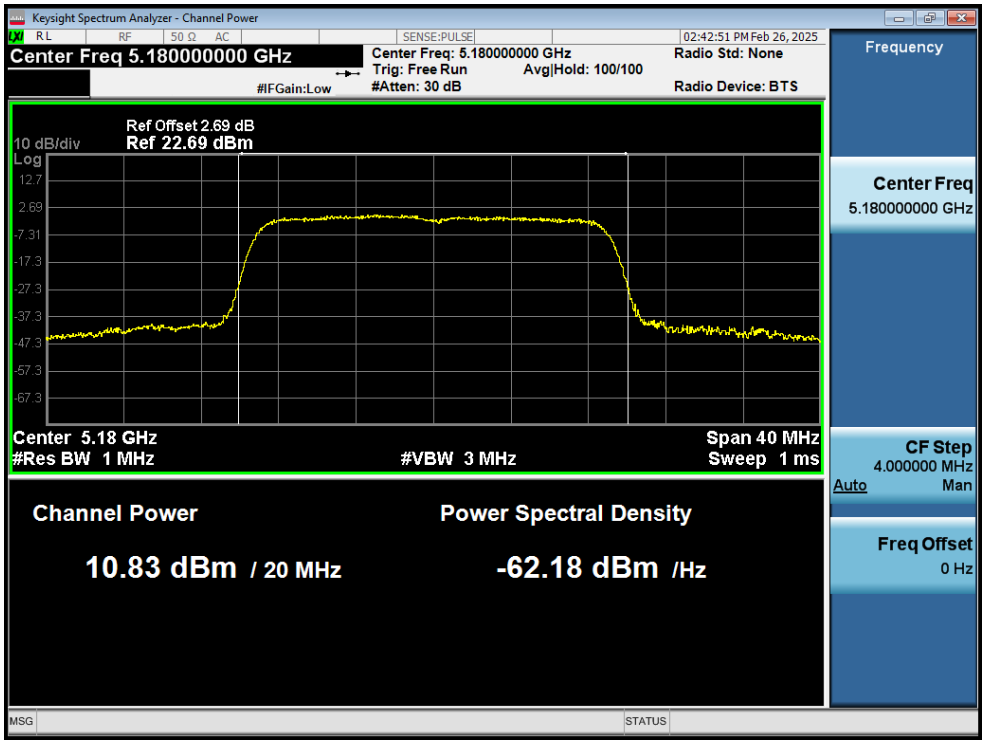
Power NVNT n20 5240MHz Ant1



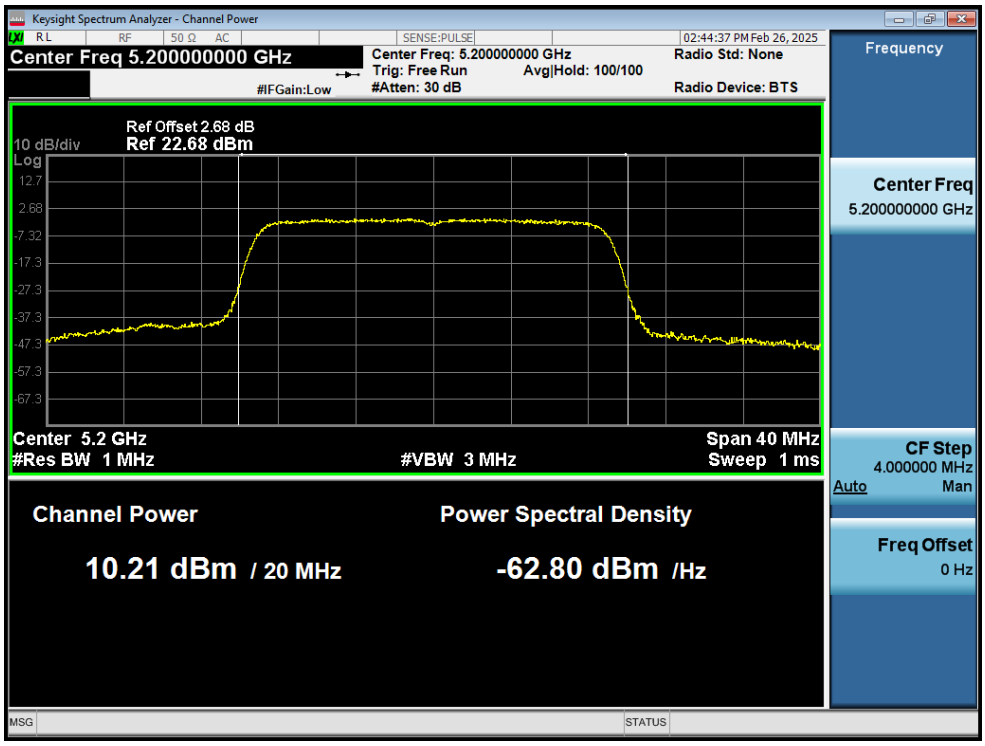
Power NVNT n40 5190MHz Ant1



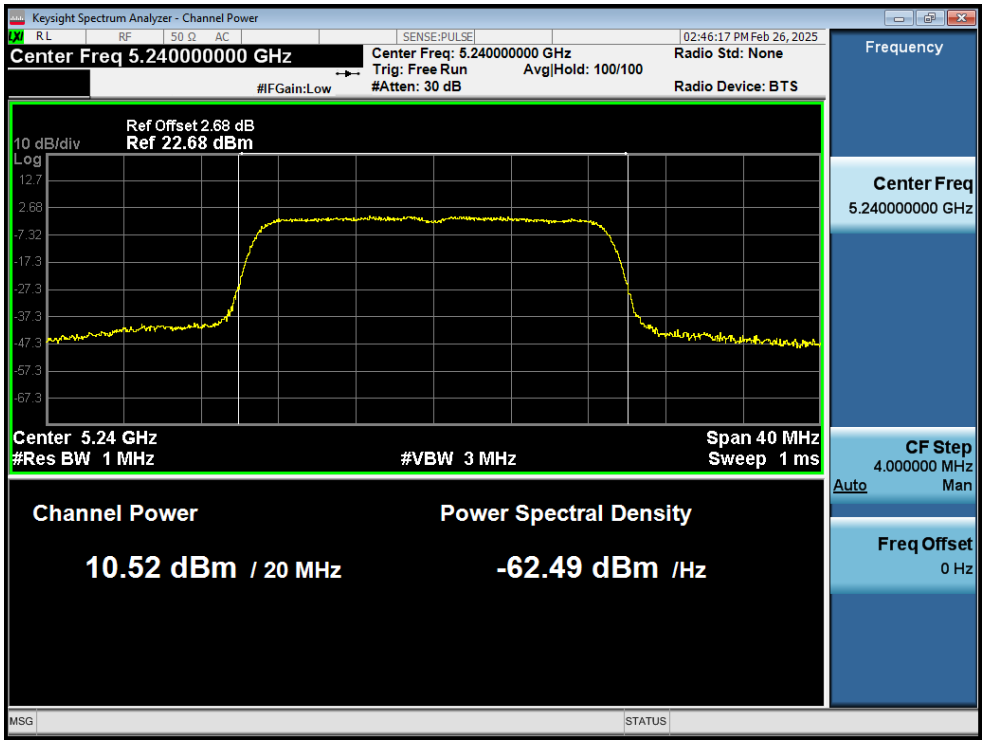
Power NVNT n40 5230MHz Ant1



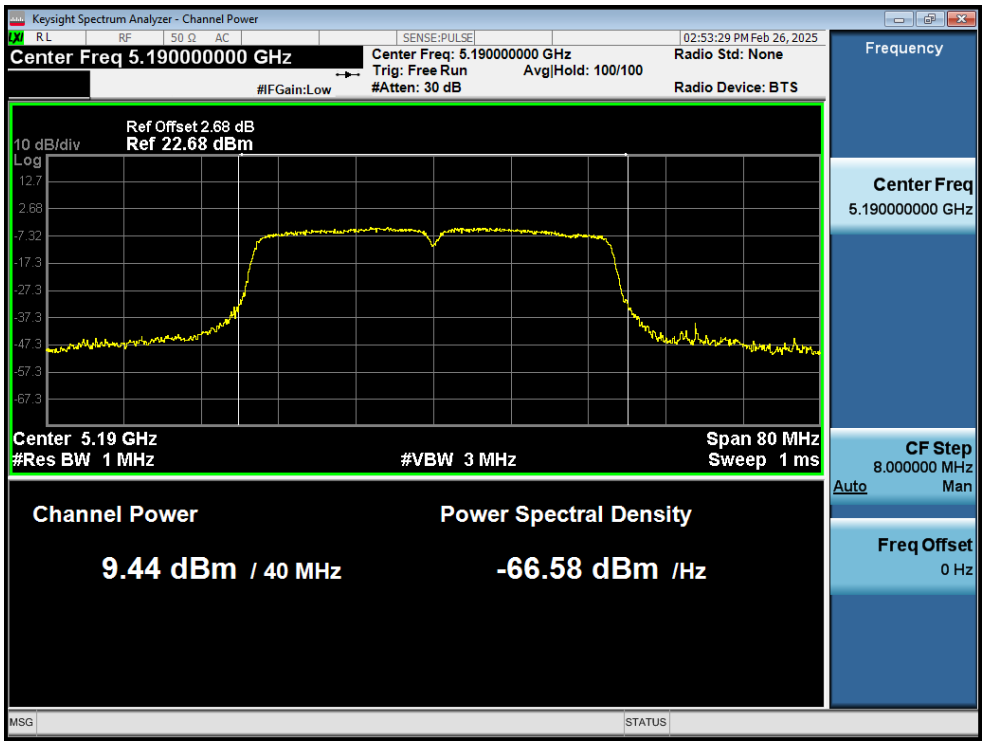
Power NVNT ac20 5180MHz Ant1



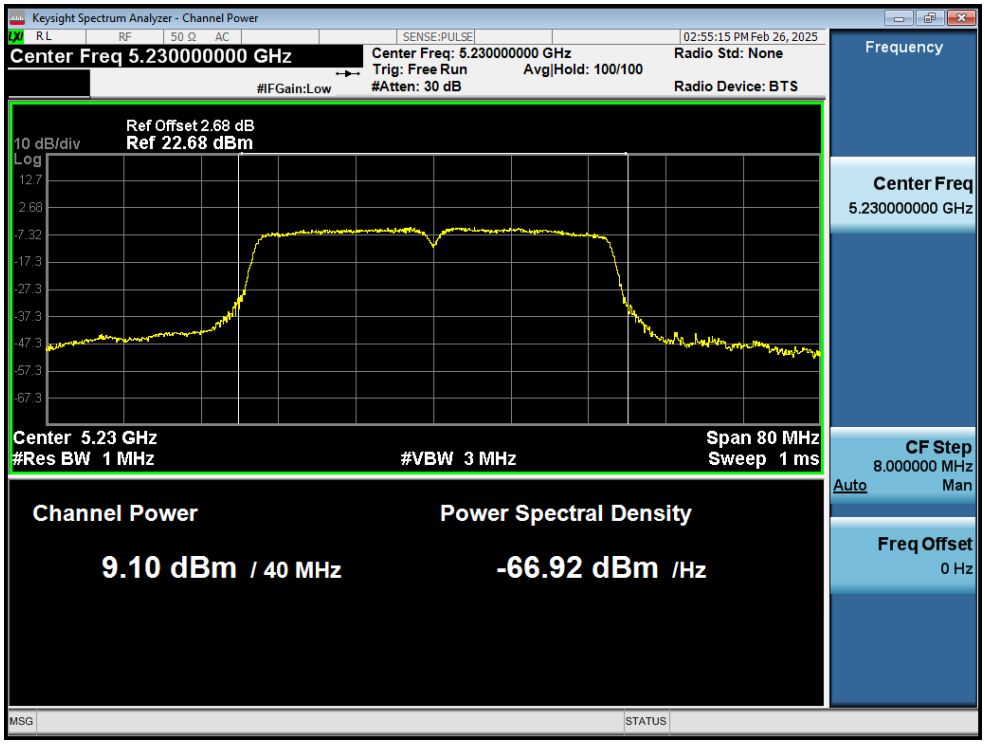
Power NVNT ac20 5200MHz Ant1



Power NVNT ac20 5240MHz Ant1



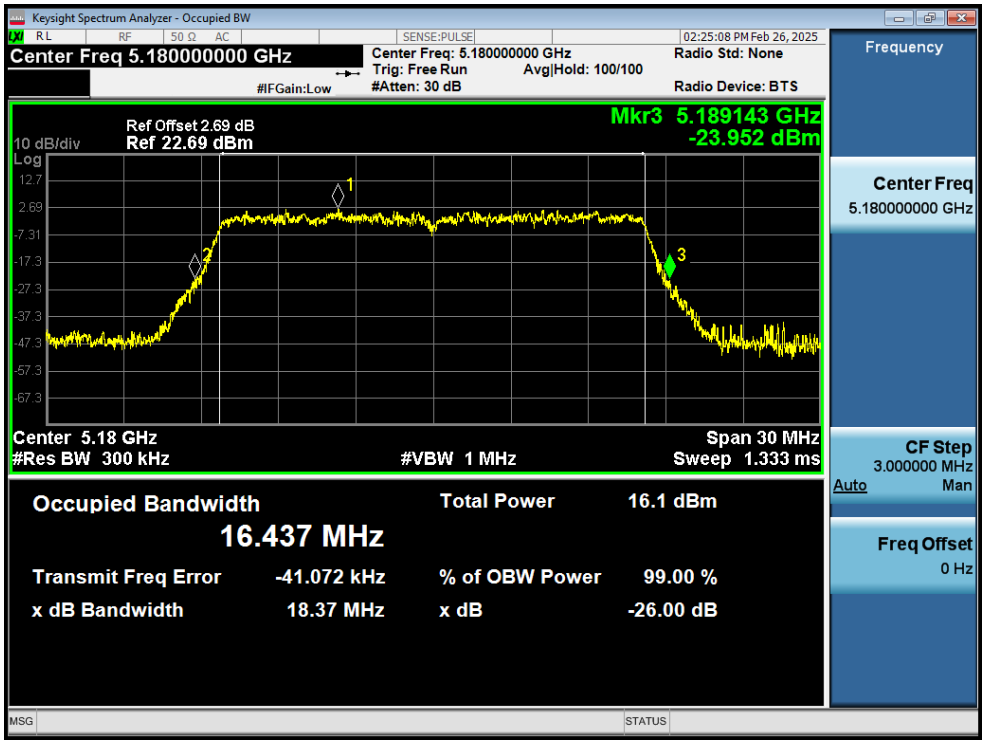
Power NVNT ac40 5190MHz Ant1



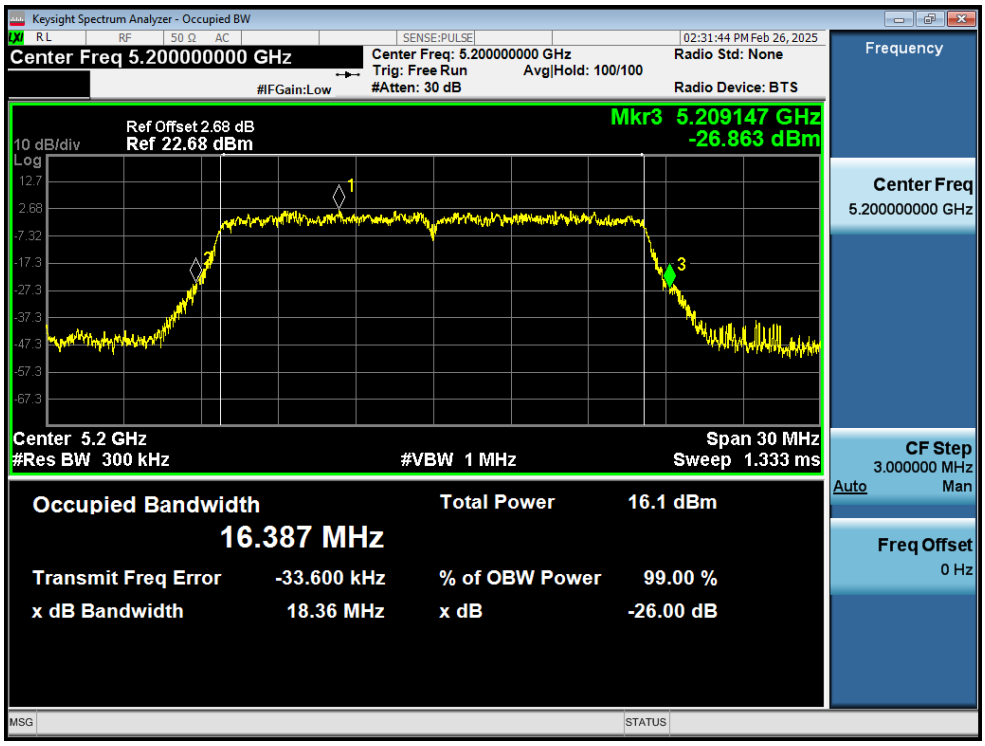
Power NVNT ac40 5230MHz Ant1

3. -26dB Bandwidth

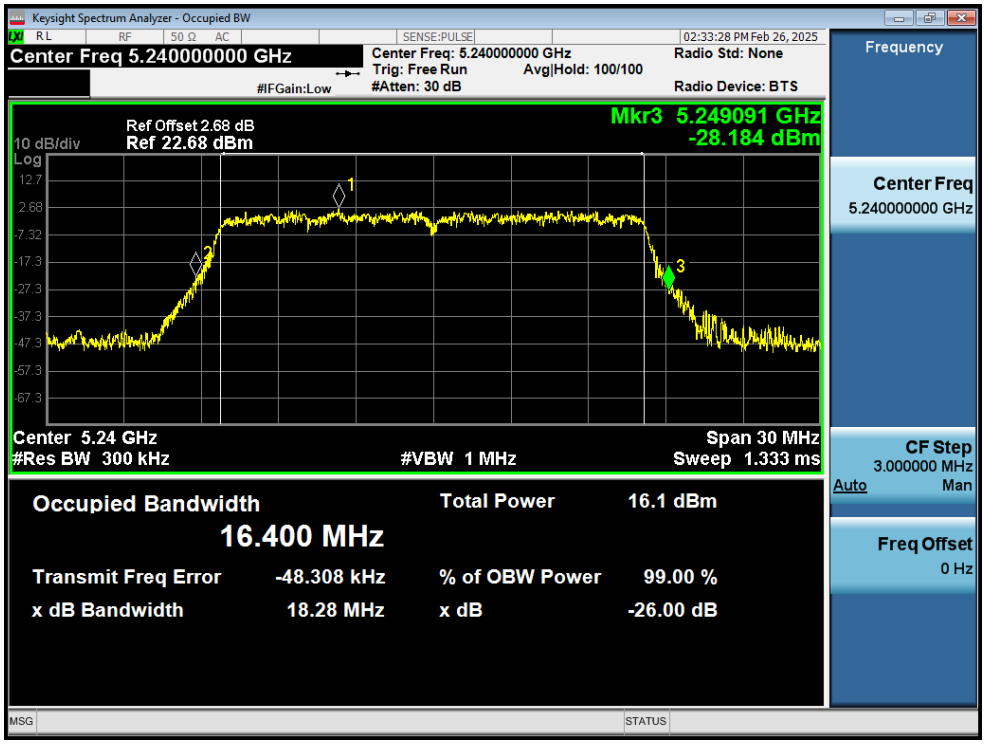
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	18.369	Pass
NVNT	a	5200	Ant1	18.362	Pass
NVNT	a	5240	Ant1	18.279	Pass
NVNT	n20	5180	Ant1	19.26	Pass
NVNT	n20	5200	Ant1	19.632	Pass
NVNT	n20	5240	Ant1	19.583	Pass
NVNT	n40	5190	Ant1	38.926	Pass
NVNT	n40	5230	Ant1	38.726	Pass
NVNT	ac20	5180	Ant1	19.216	Pass
NVNT	ac20	5200	Ant1	19.127	Pass
NVNT	ac20	5240	Ant1	19.168	Pass
NVNT	ac40	5190	Ant1	39.941	Pass
NVNT	ac40	5230	Ant1	40.257	Pass



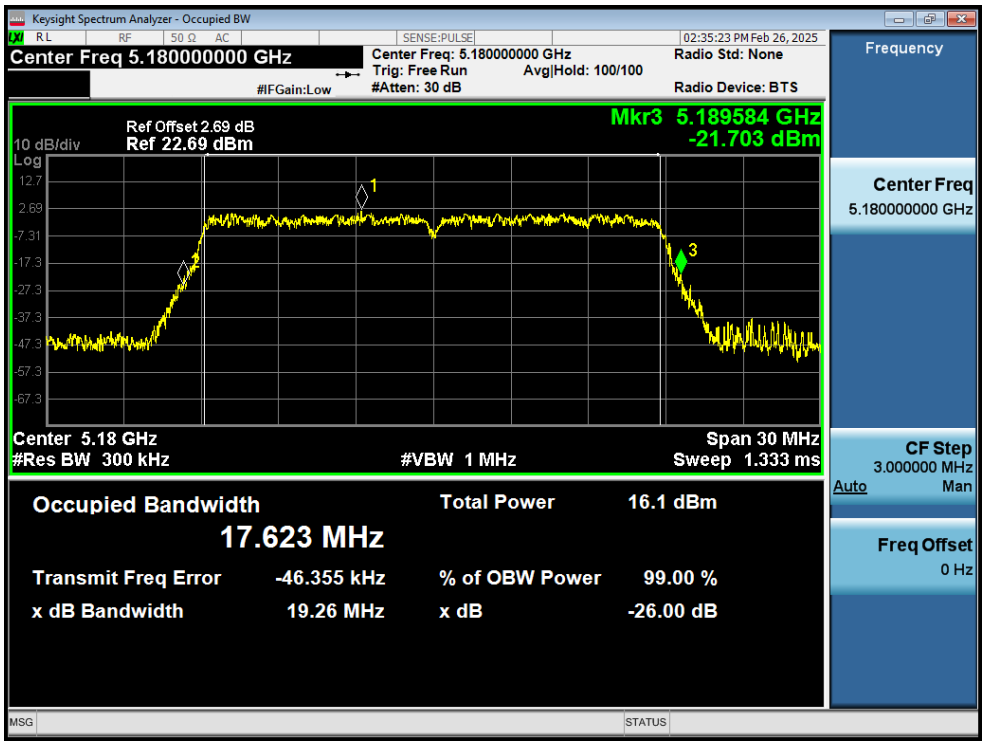
-26dB Bandwidth NVNT a 5180MHz Ant1



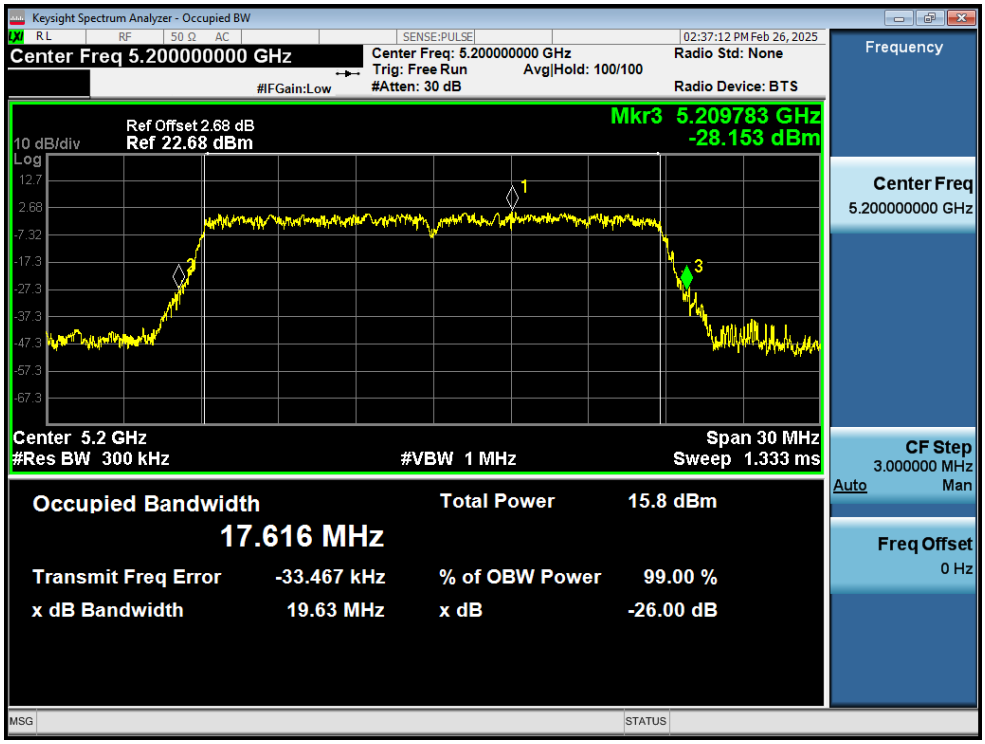
-26dB Bandwidth NVNT a 5200MHz Ant1



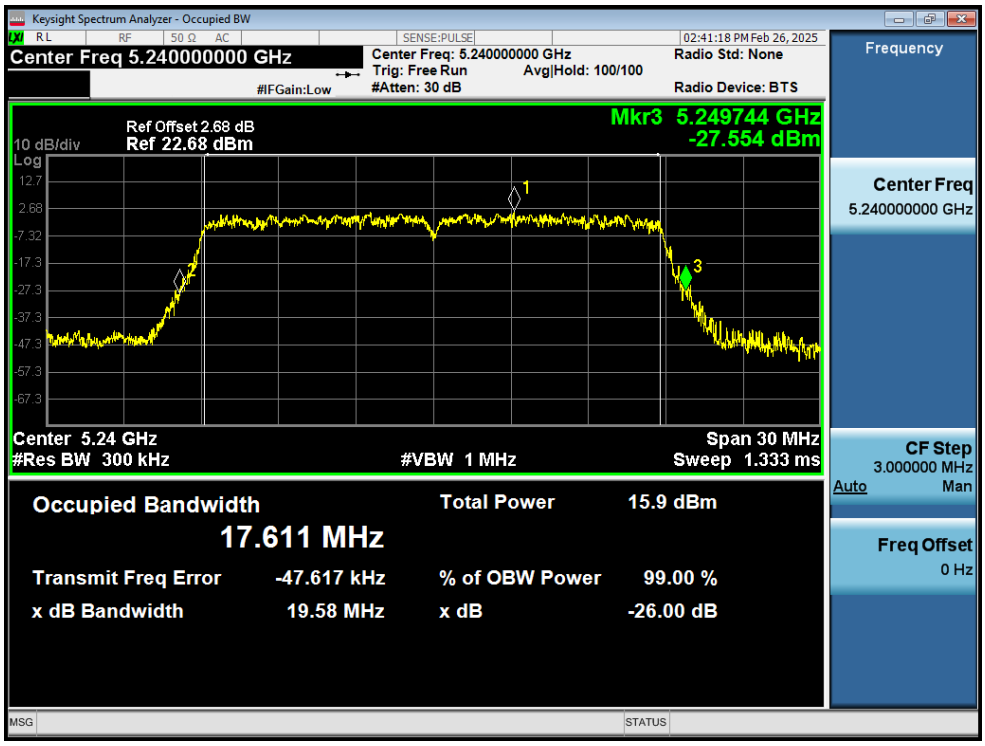
-26dB Bandwidth NVNT a 5240MHz Ant1



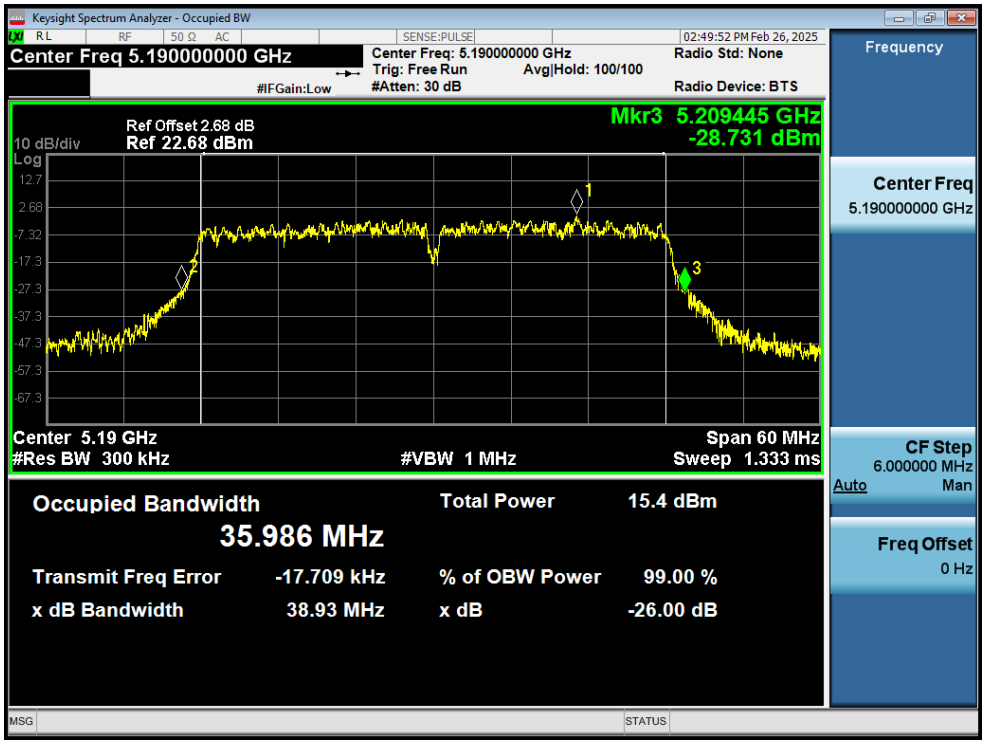
-26dB Bandwidth NVNT n20 5180MHz Ant1



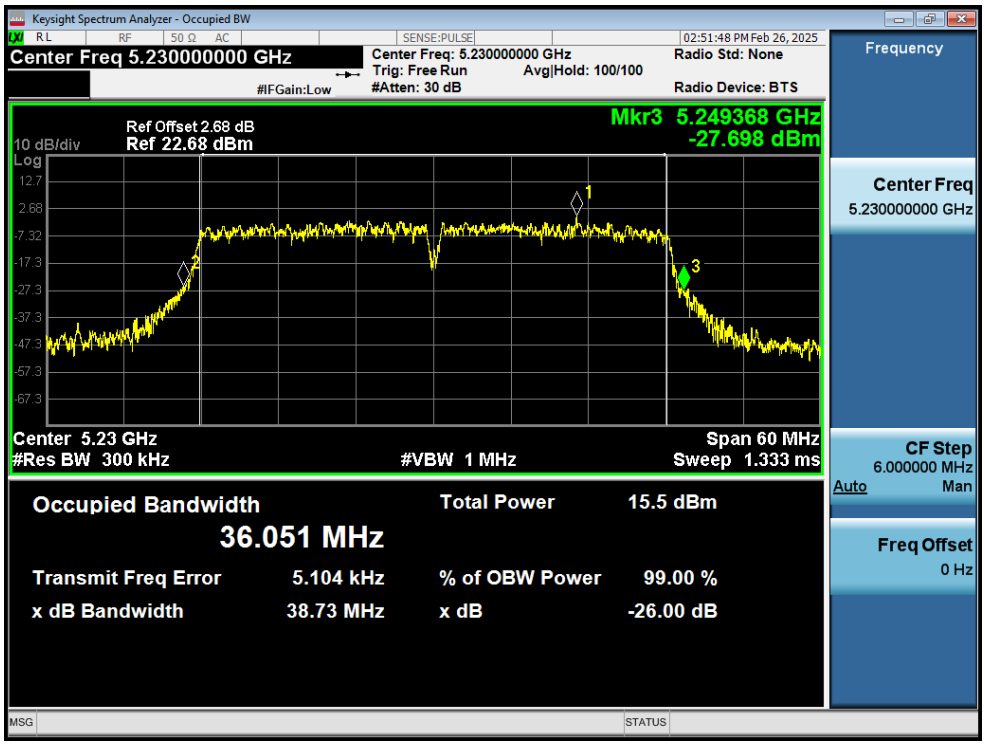
-26dB Bandwidth NVNT n20 5200MHz Ant1



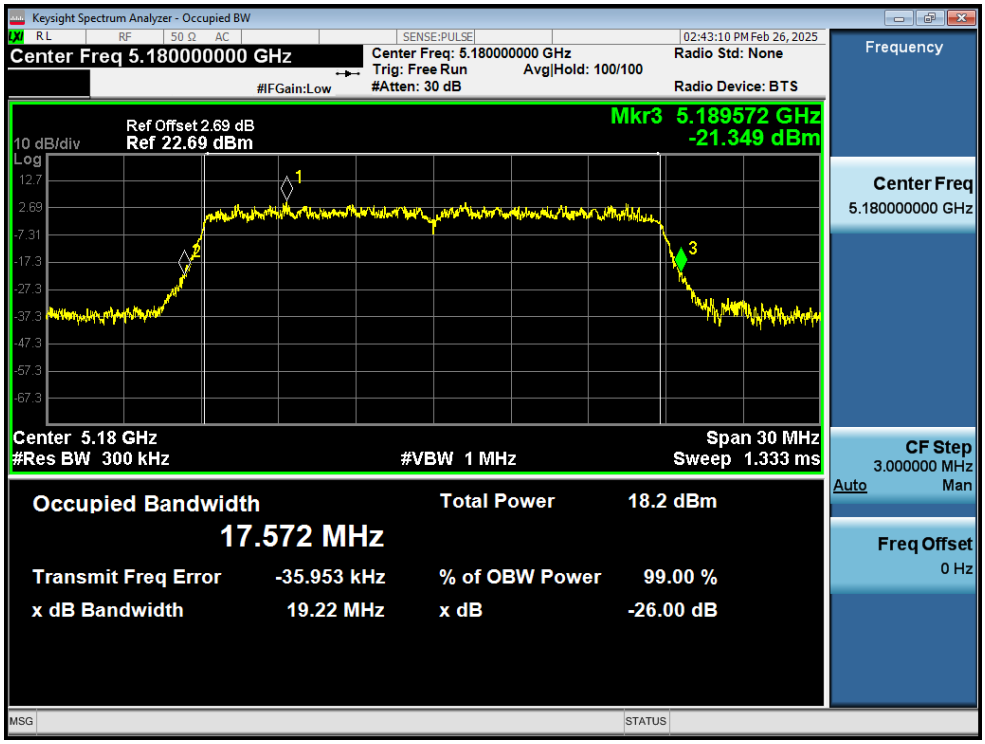
-26dB Bandwidth NVNT n20 5240MHz Ant1



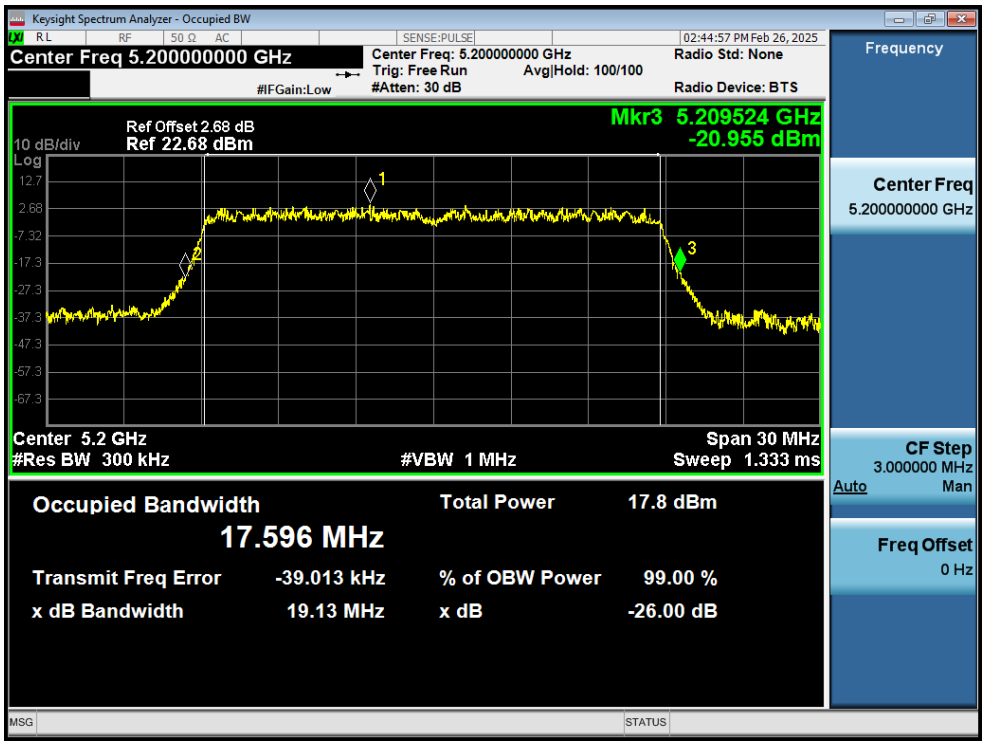
-26dB Bandwidth NVNT n40 5190MHz Ant1



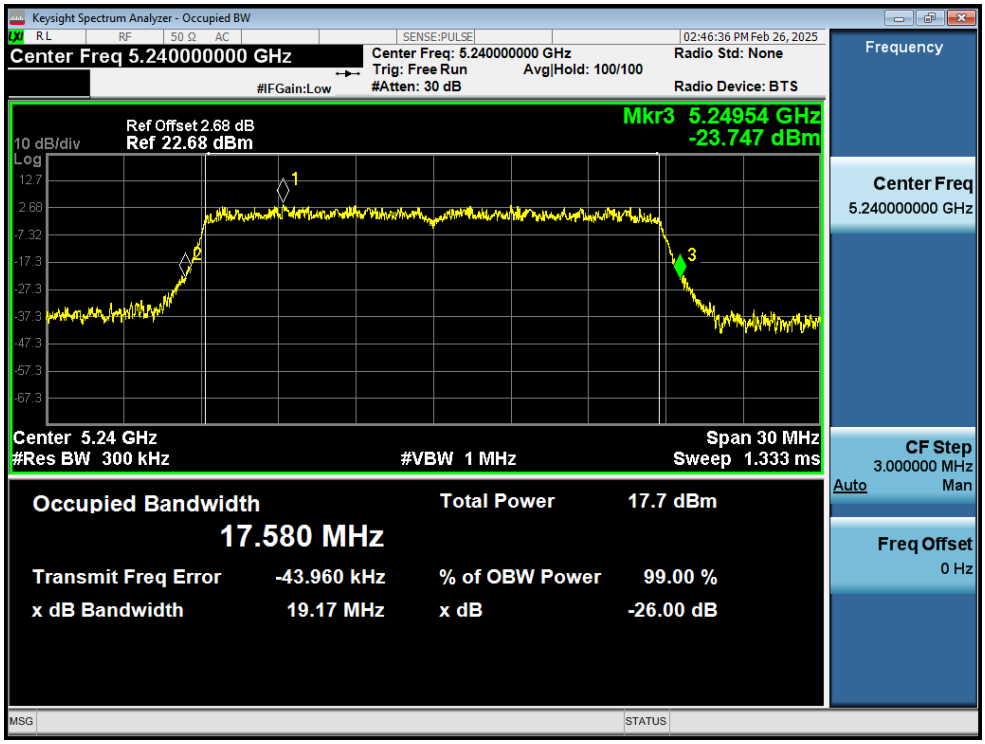
-26dB Bandwidth NVNT n40 5230MHz Ant1



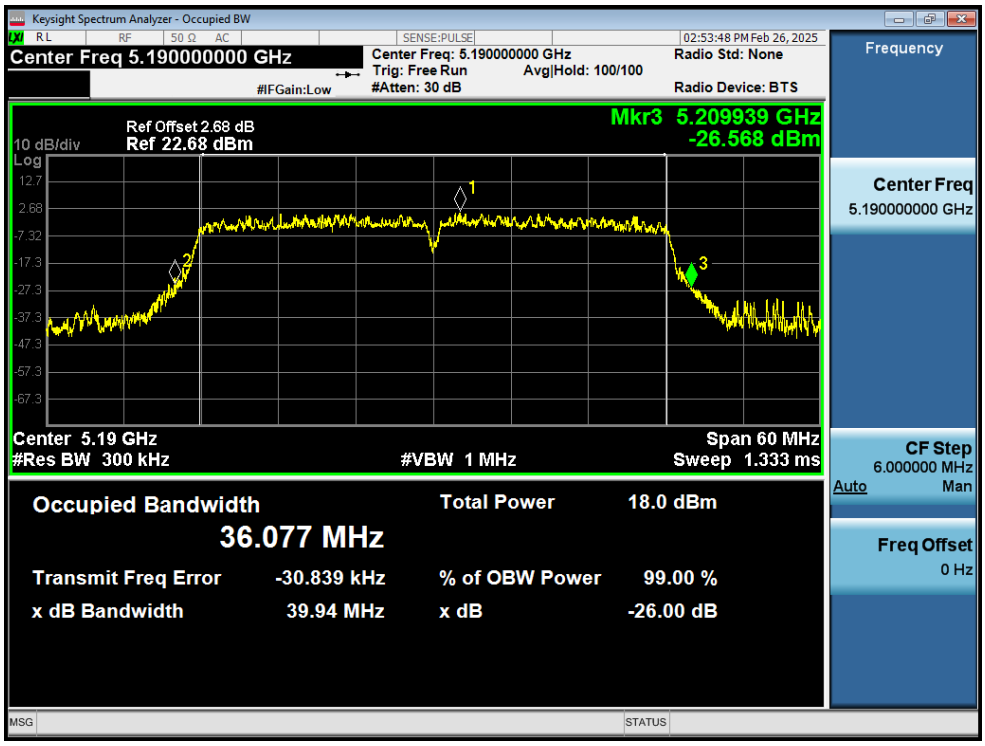
-26dB Bandwidth NVNT ac20 5180MHz Ant1



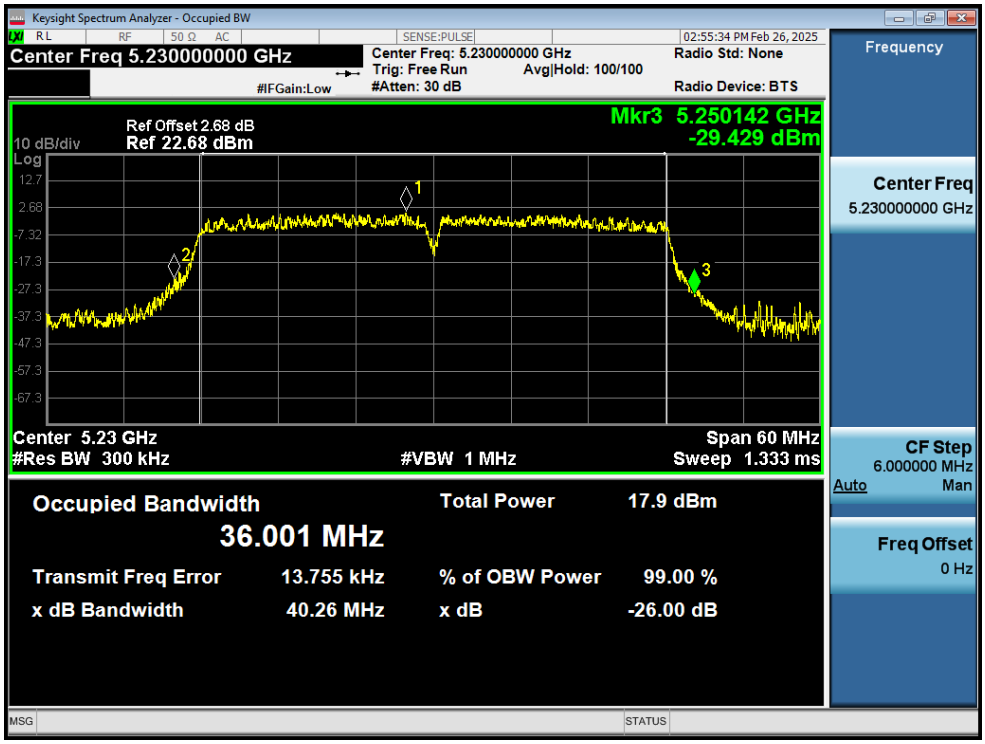
-26dB Bandwidth NVNT ac20 5200MHz Ant1



-26dB Bandwidth NVNT ac20 5240MHz Ant1



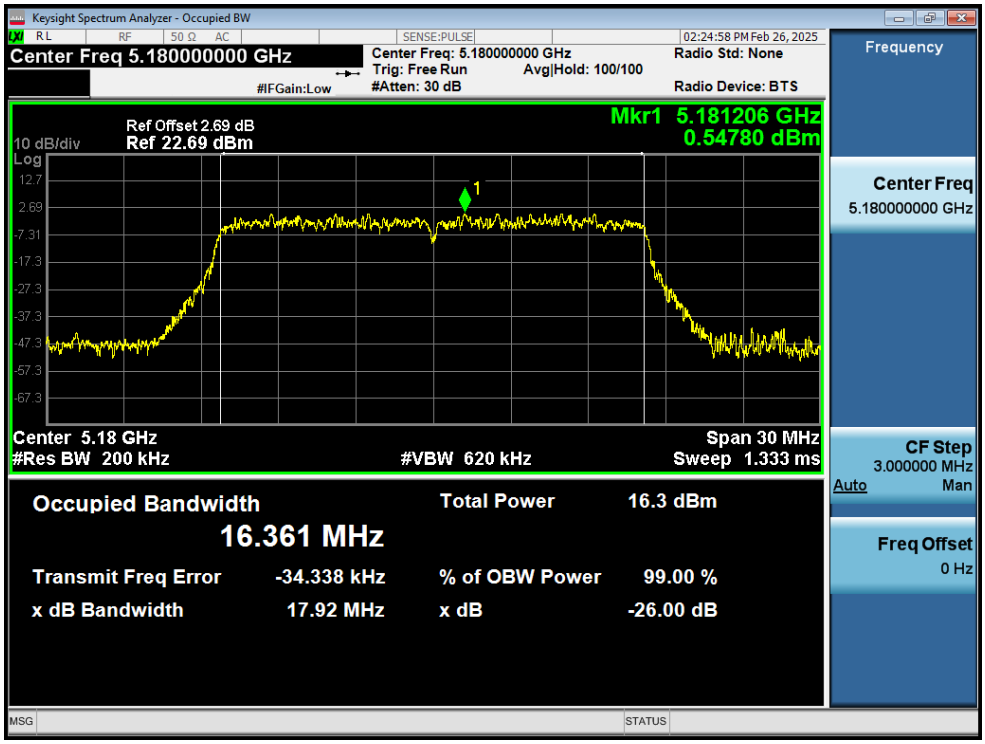
-26dB Bandwidth NVNT ac40 5190MHz Ant1



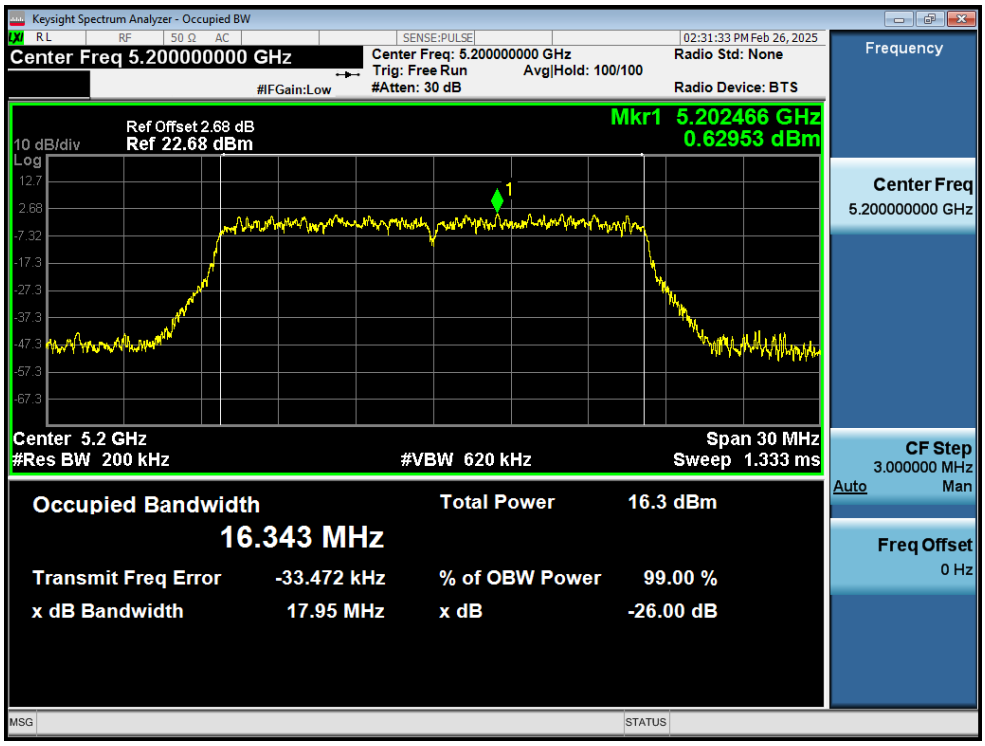
-26dB Bandwidth NVNT ac40 5230MHz Ant1

4. Occupied Channel Bandwidth

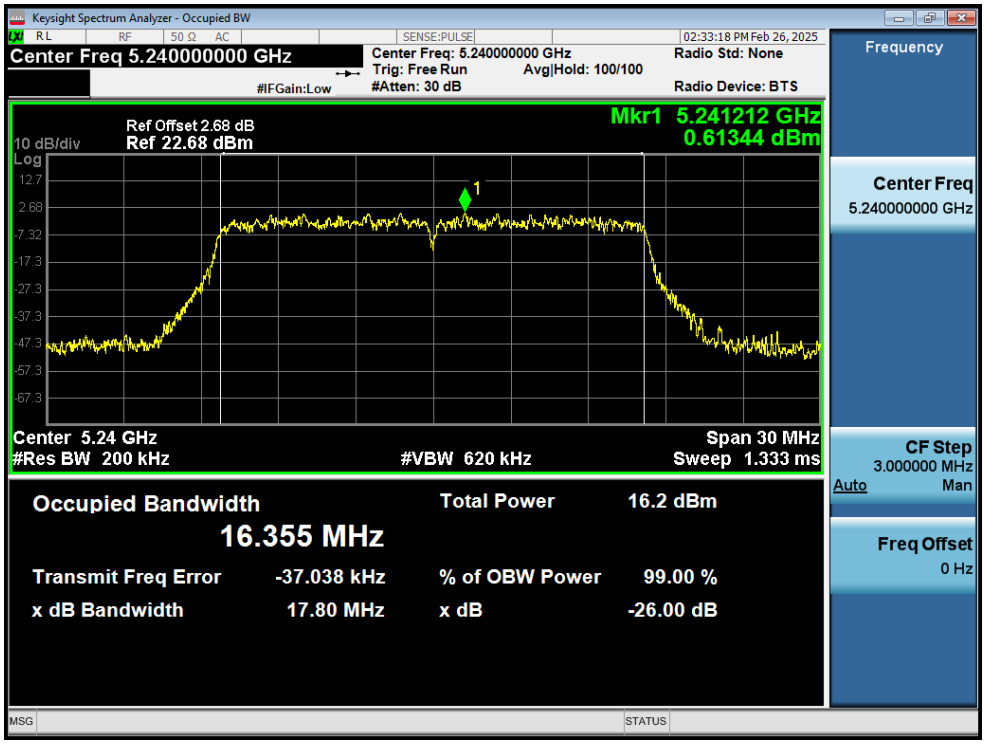
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.361
NVNT	a	5200	Ant1	16.343
NVNT	a	5240	Ant1	16.355
NVNT	n20	5180	Ant1	17.597
NVNT	n20	5200	Ant1	17.57
NVNT	n20	5240	Ant1	17.598
NVNT	n40	5190	Ant1	36.031
NVNT	n40	5230	Ant1	36.077
NVNT	ac20	5180	Ant1	17.522
NVNT	ac20	5200	Ant1	17.542
NVNT	ac20	5240	Ant1	17.533
NVNT	ac40	5190	Ant1	36.139
NVNT	ac40	5230	Ant1	36.104



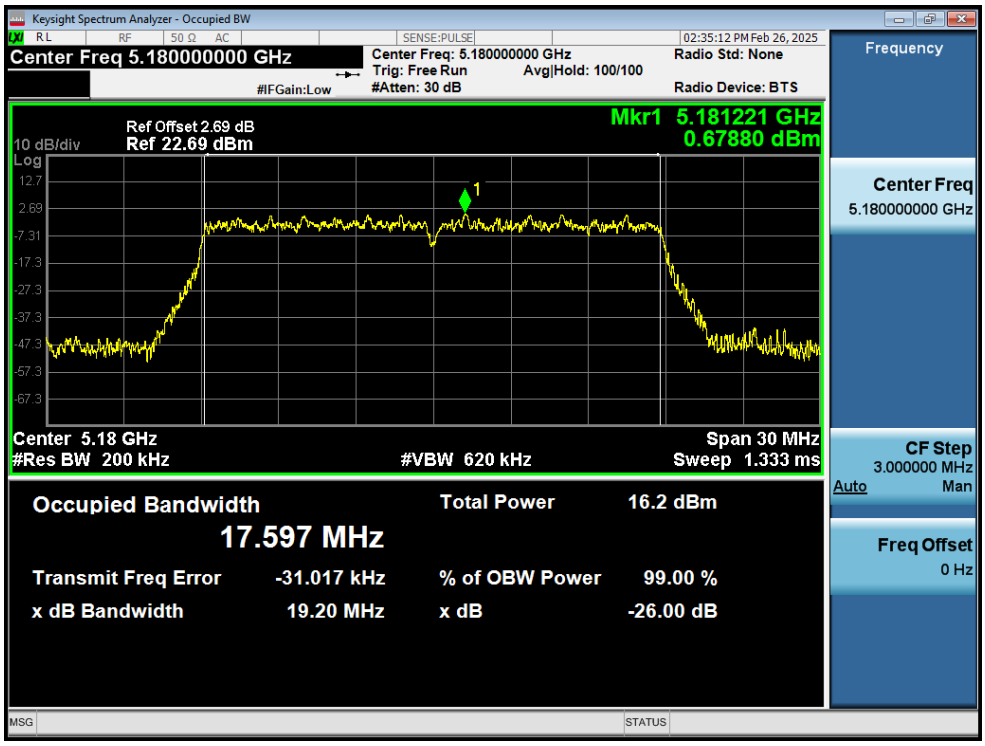
OBW NVNT a 5180MHz Ant1



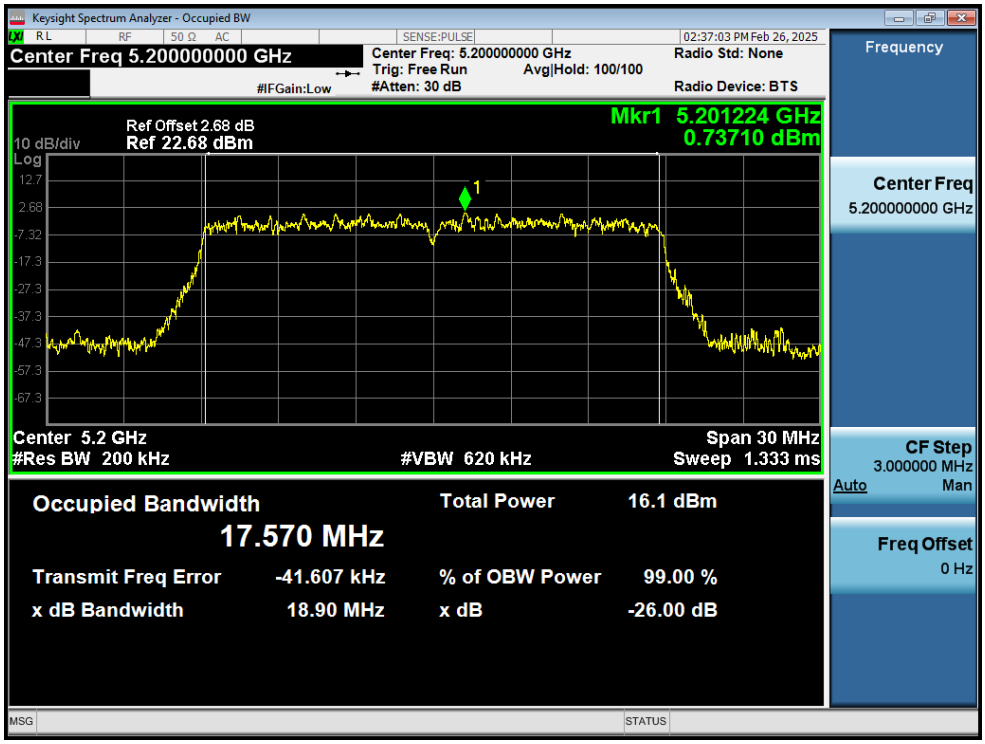
OBW NVNT a 5200MHz Ant1



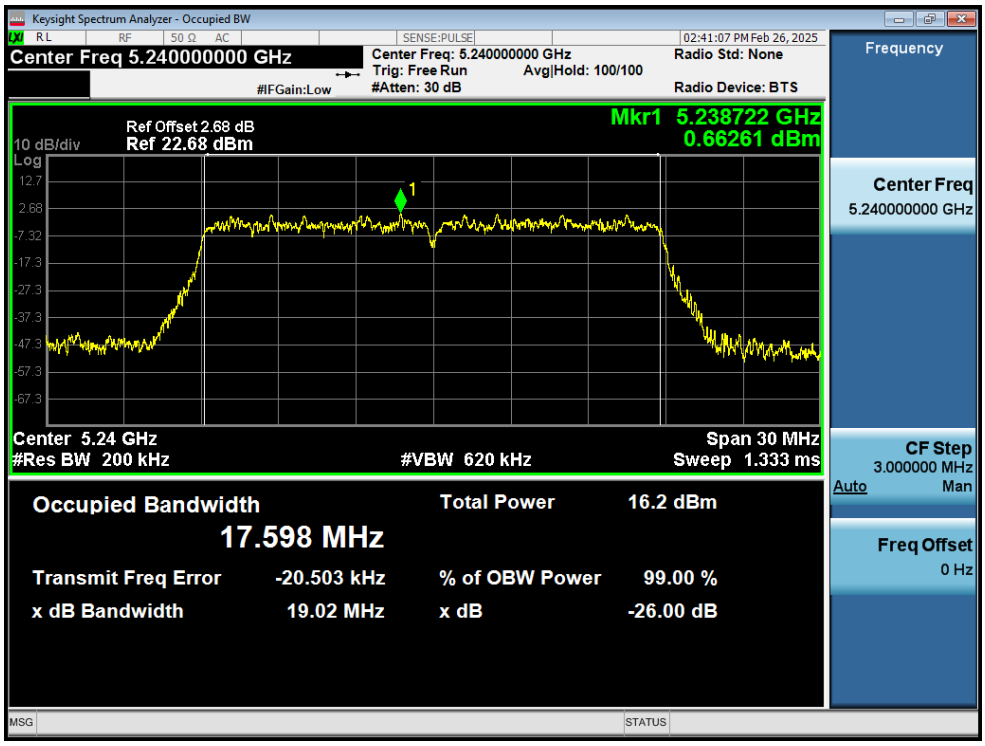
OBW NVNT a 5240MHz Ant1



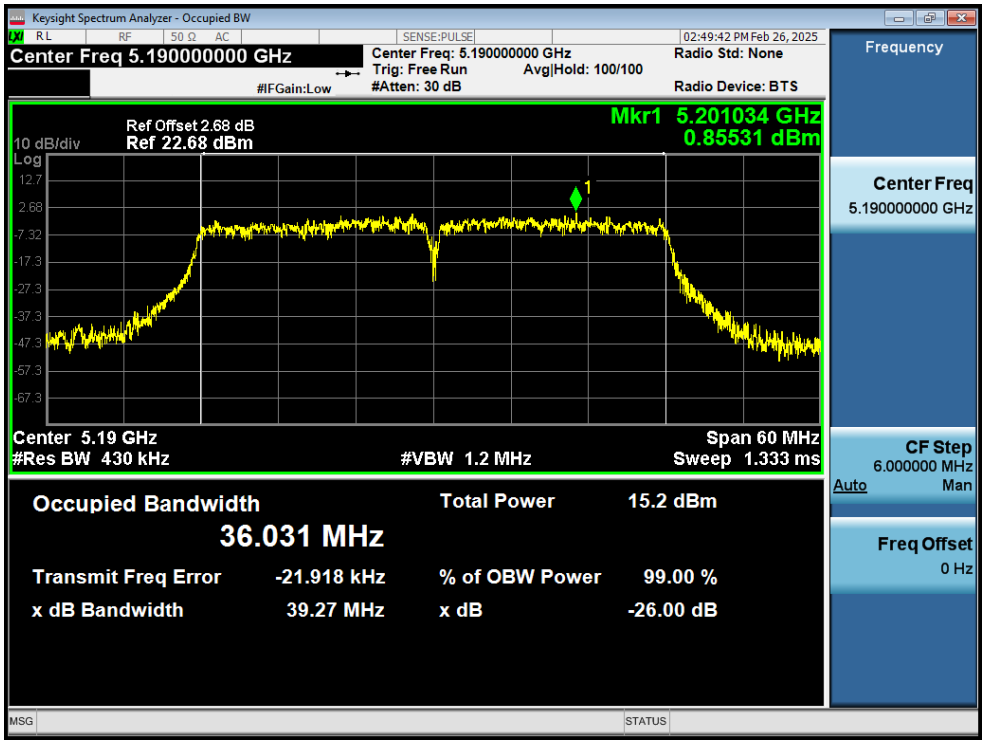
OBW NVNT n20 5180MHz Ant1



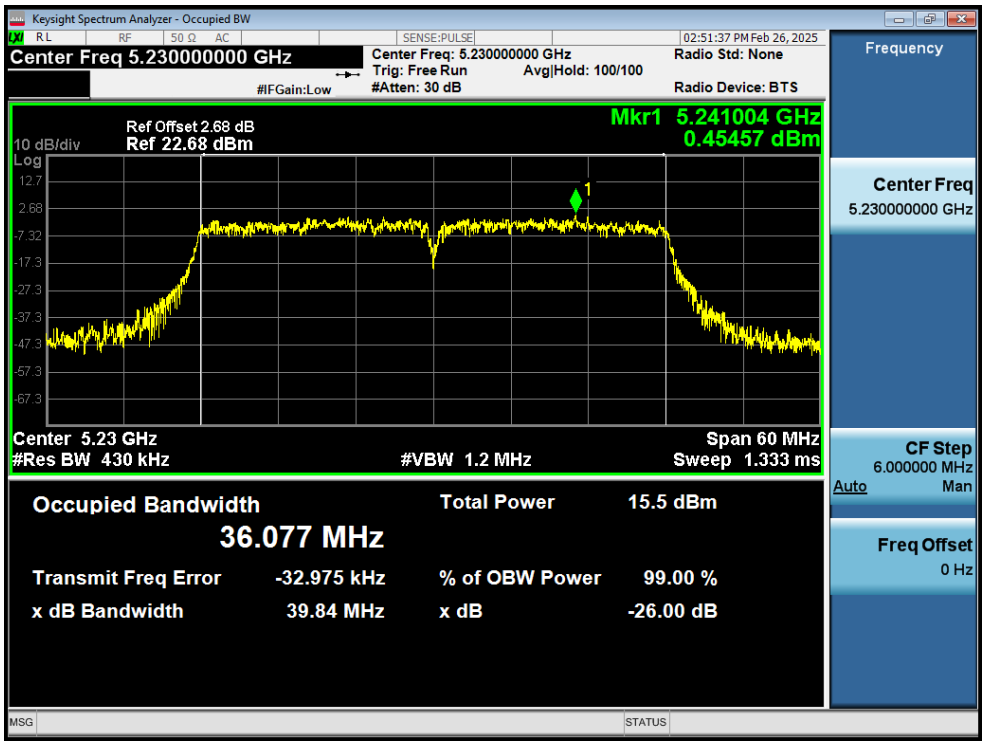
OBW NVNT n20 5200MHz Ant1



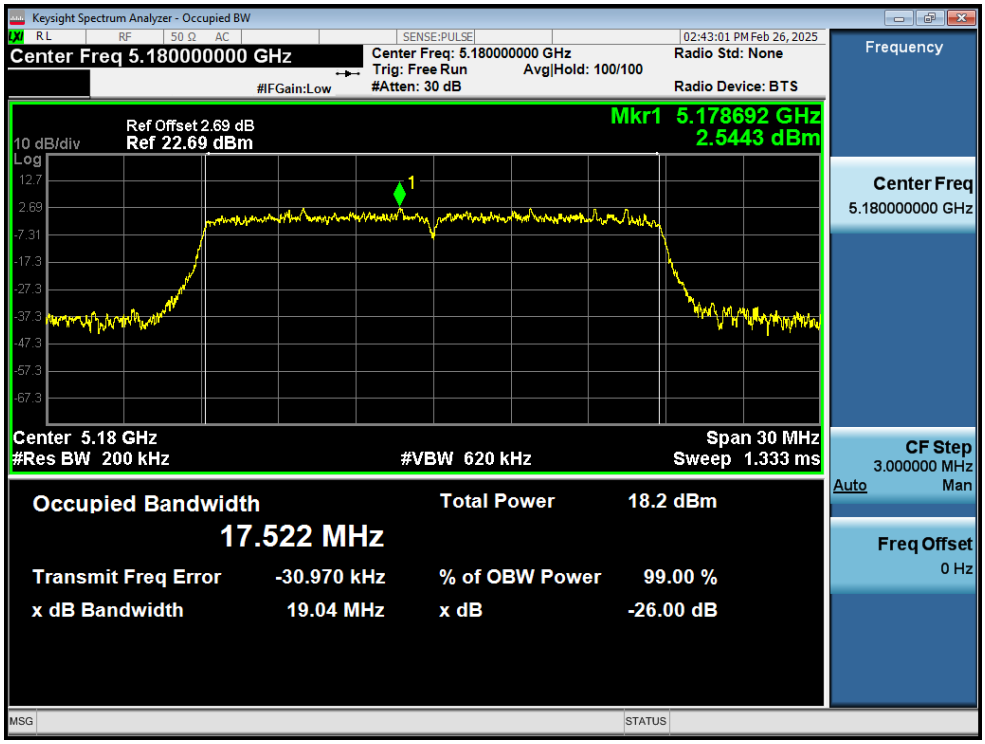
OBW NVNT n20 5240MHz Ant1



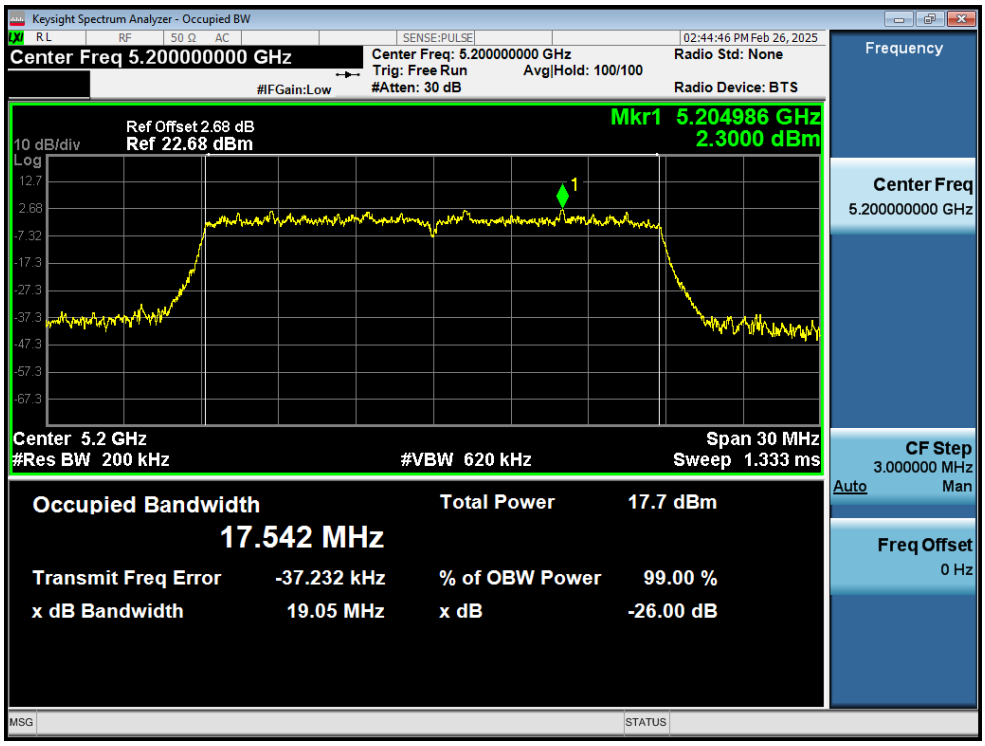
OBW NVNT n40 5190MHz Ant1



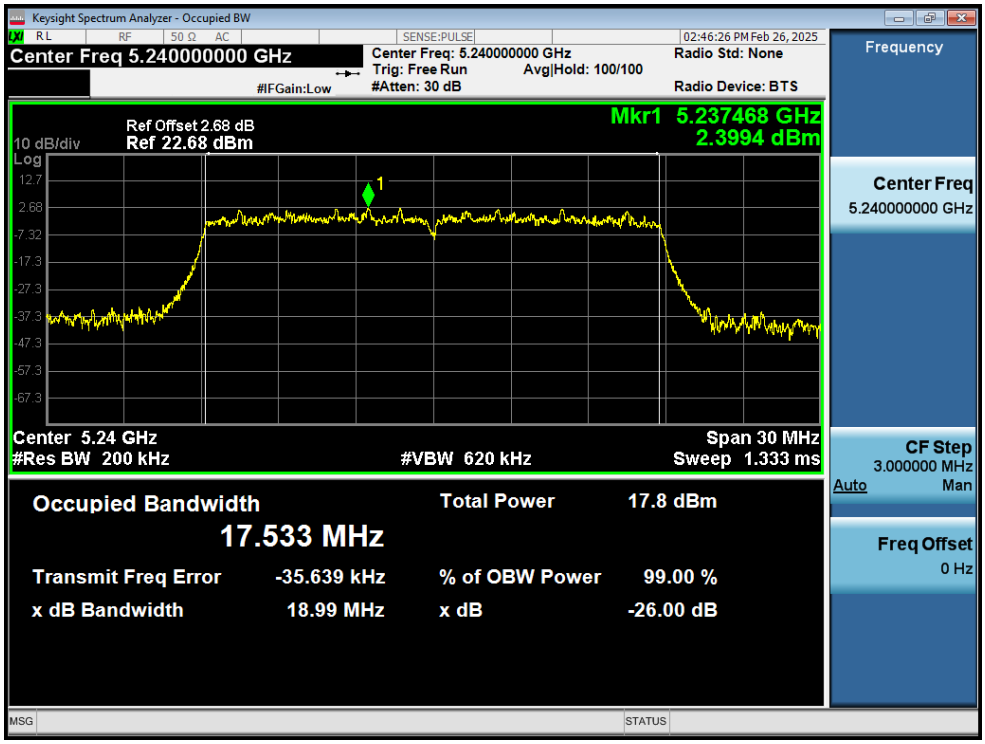
OBW NVNT n40 5230MHz Ant1



OBW NVNT ac20 5180MHz Ant1

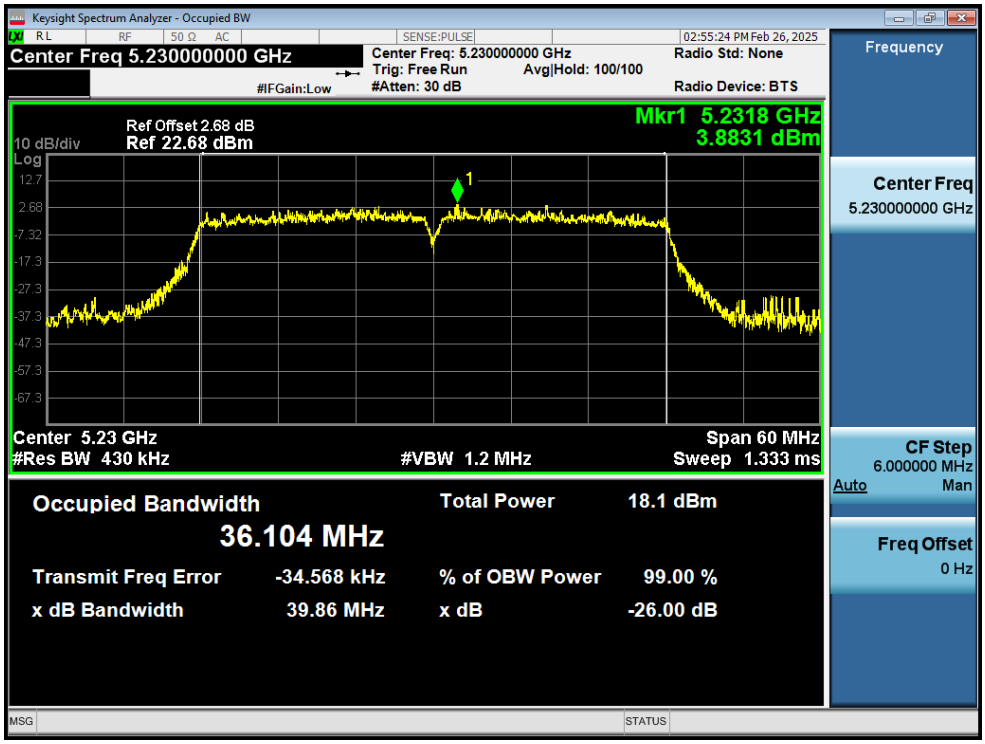


OBW NVNT ac20 5200MHz Ant1



OBW NVNT ac20 5240MHz Ant1

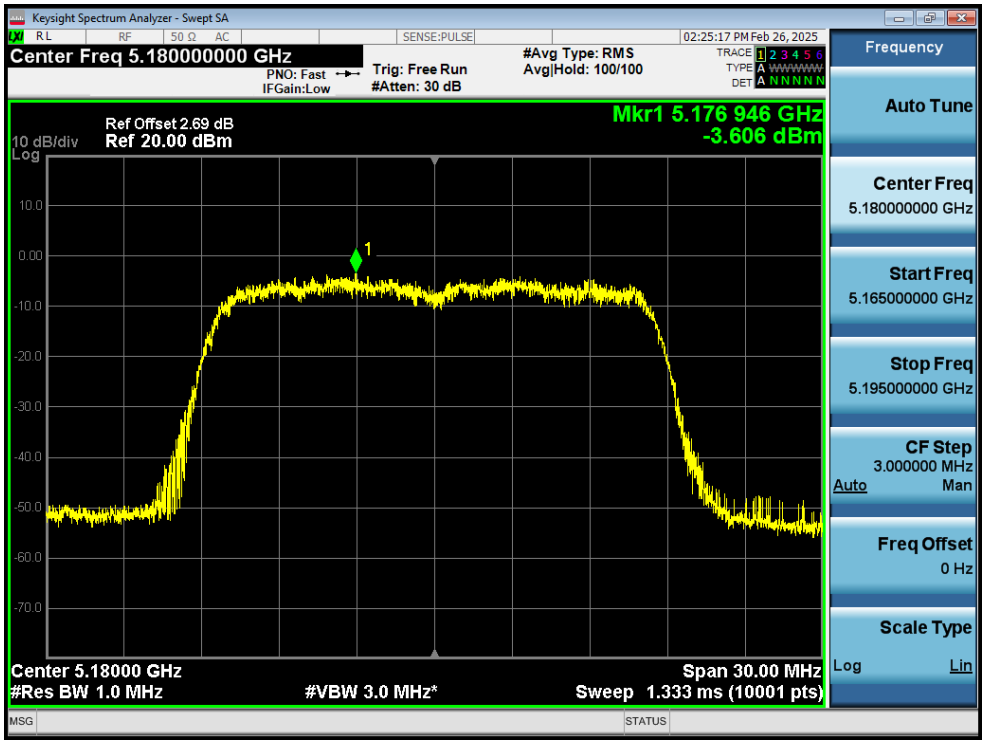
OBW NVNT ac40 5190MHz Ant1



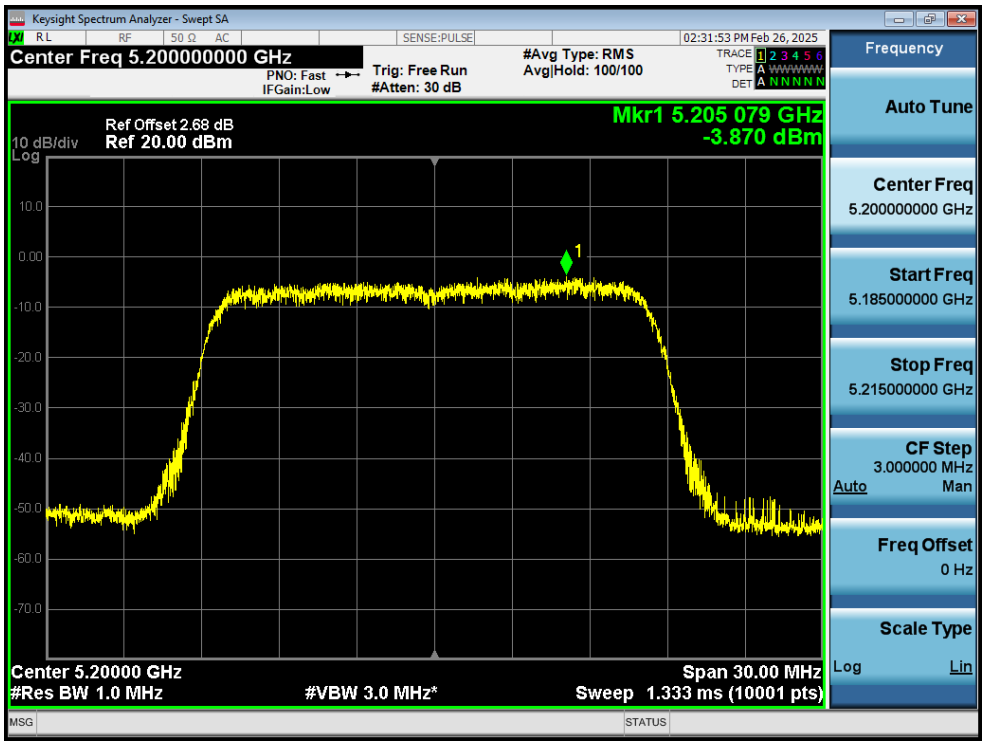
OBW NVNT ac40 5230MHz Ant1

5. Maximum Power Spectral Density Level

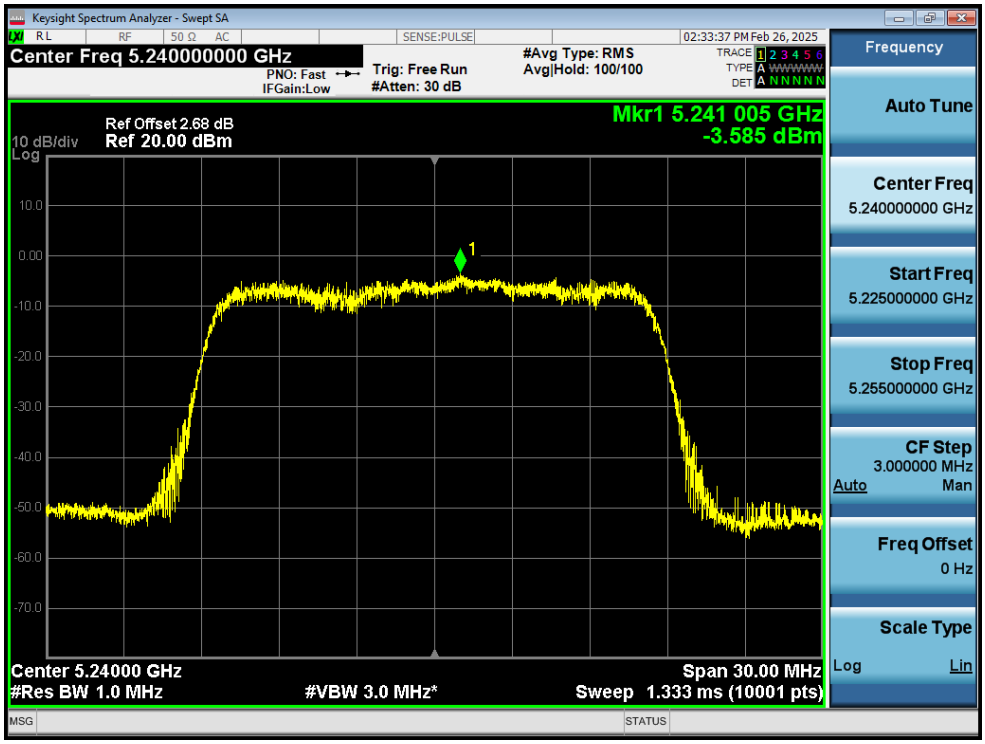
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-3.61	5.88	2.27	11	Pass
NVNT	a	5200	Ant1	-3.87	5.88	2.01	11	Pass
NVNT	a	5240	Ant1	-3.59	5.91	2.32	11	Pass
NVNT	n20	5180	Ant1	-4.24	6.14	1.9	11	Pass
NVNT	n20	5200	Ant1	-3.83	6.11	2.28	11	Pass
NVNT	n20	5240	Ant1	-4.5	6.11	1.61	11	Pass
NVNT	n40	5190	Ant1	-8.11	7.85	-0.26	11	Pass
NVNT	n40	5230	Ant1	-8.01	7.85	-0.16	11	Pass
NVNT	ac20	5180	Ant1	0.69	2.45	3.14	11	Pass
NVNT	ac20	5200	Ant1	0.07	2.45	2.52	11	Pass
NVNT	ac20	5240	Ant1	-0.04	2.45	2.41	11	Pass
NVNT	ac40	5190	Ant1	-3.3	3.93	0.63	11	Pass
NVNT	ac40	5230	Ant1	-3.2	3.91	0.71	11	Pass



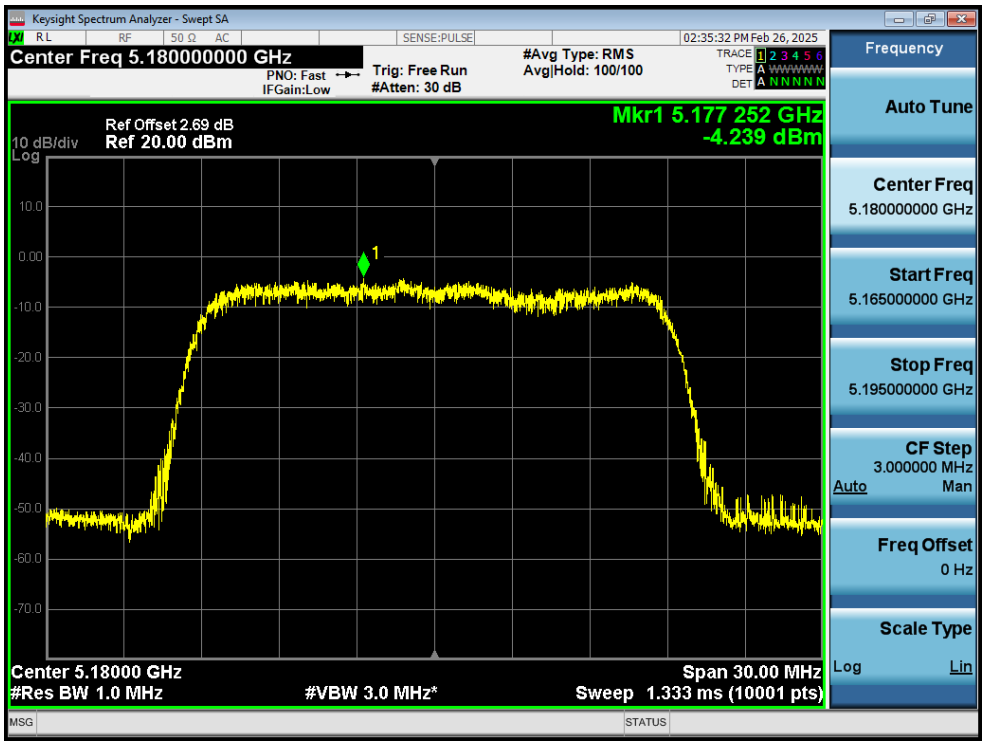
PSD NVNT a 5180MHz Ant1



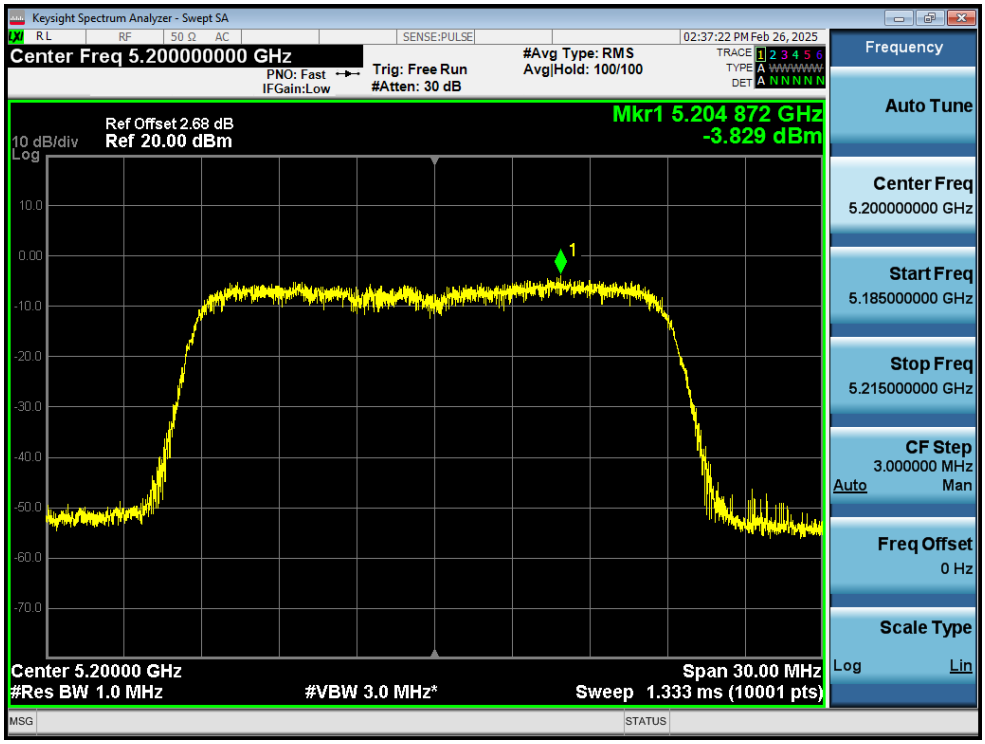
PSD NVNT a 5200MHz Ant1



PSD NVNT a 5240MHz Ant1

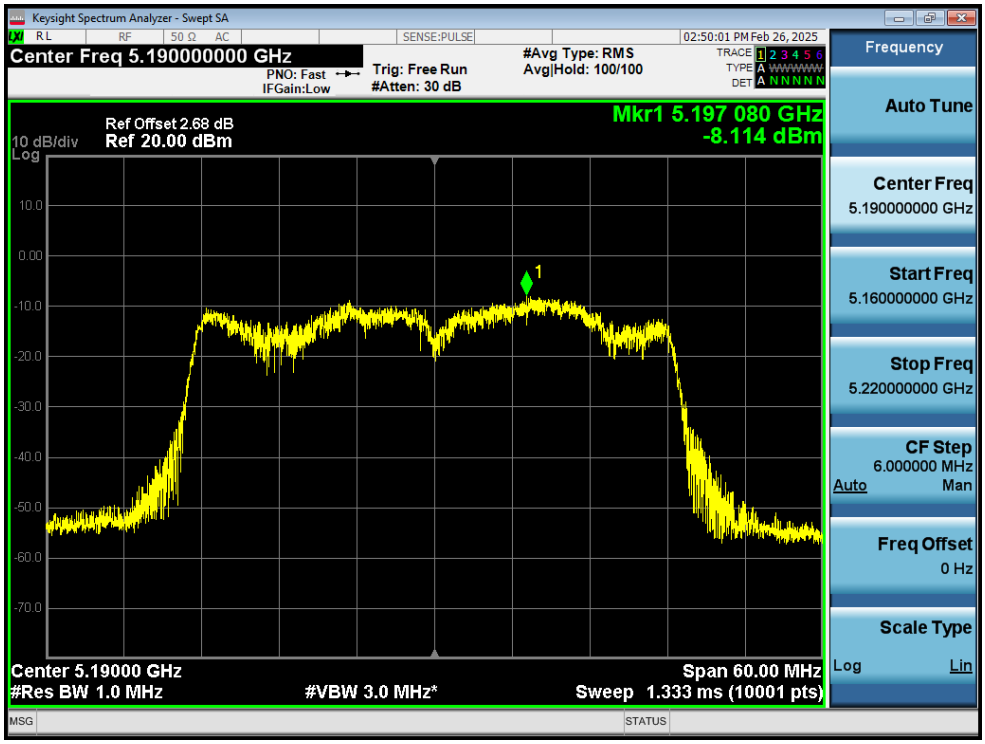


PSD NVNT n20 5180MHz Ant1

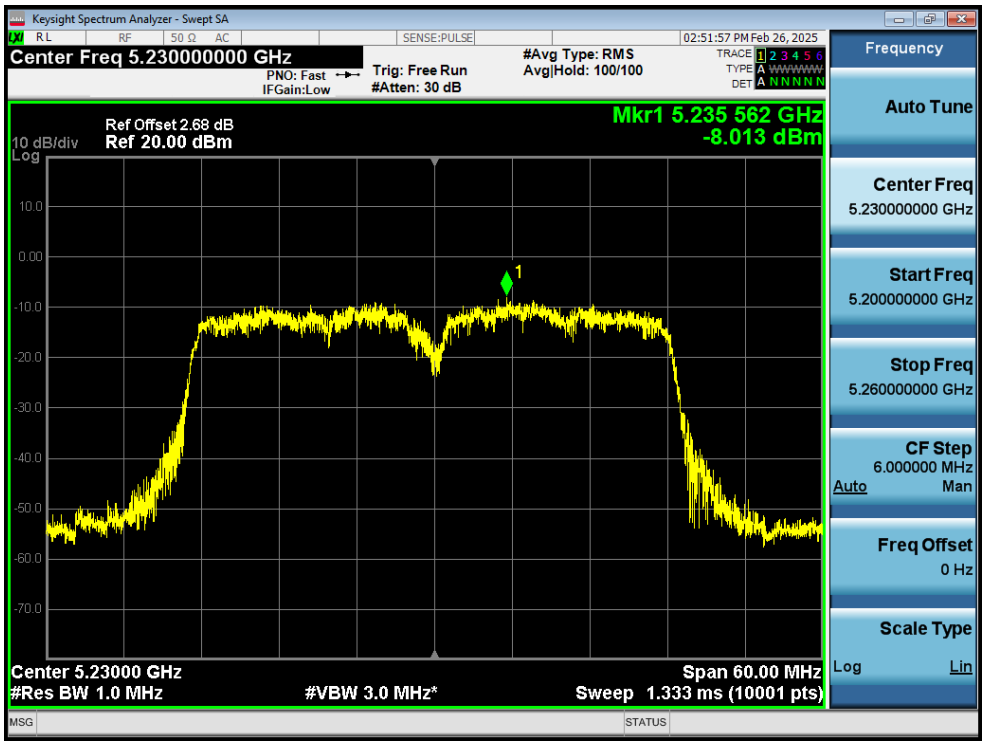


PSD NVNT n20 5200MHz Ant1

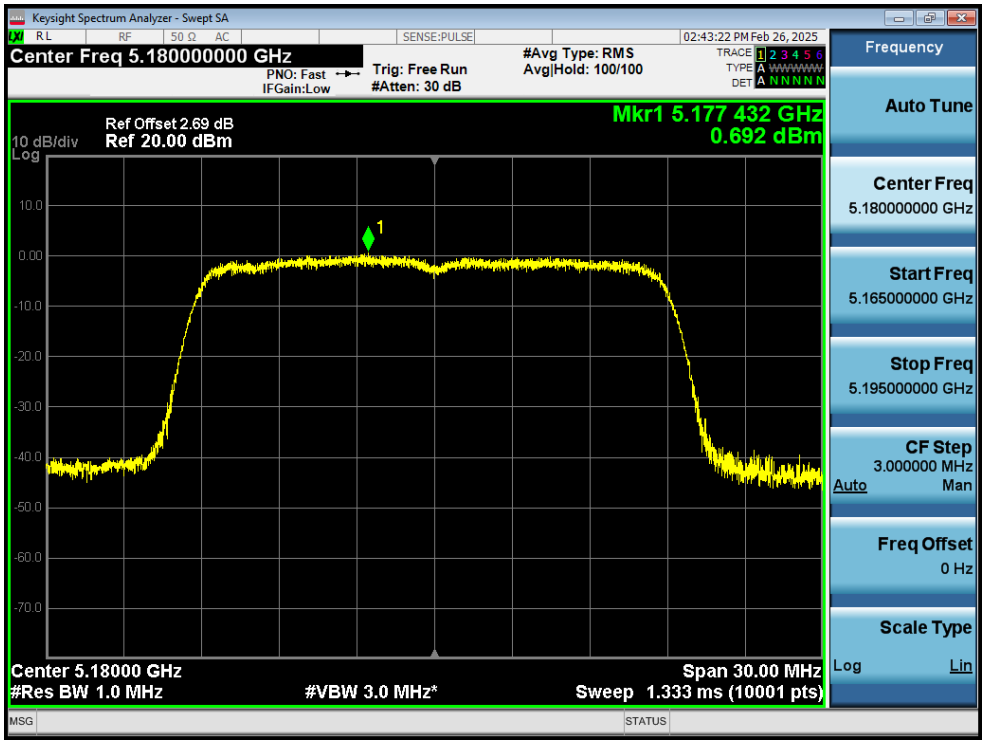
PSD NVNT n20 5240MHz Ant1



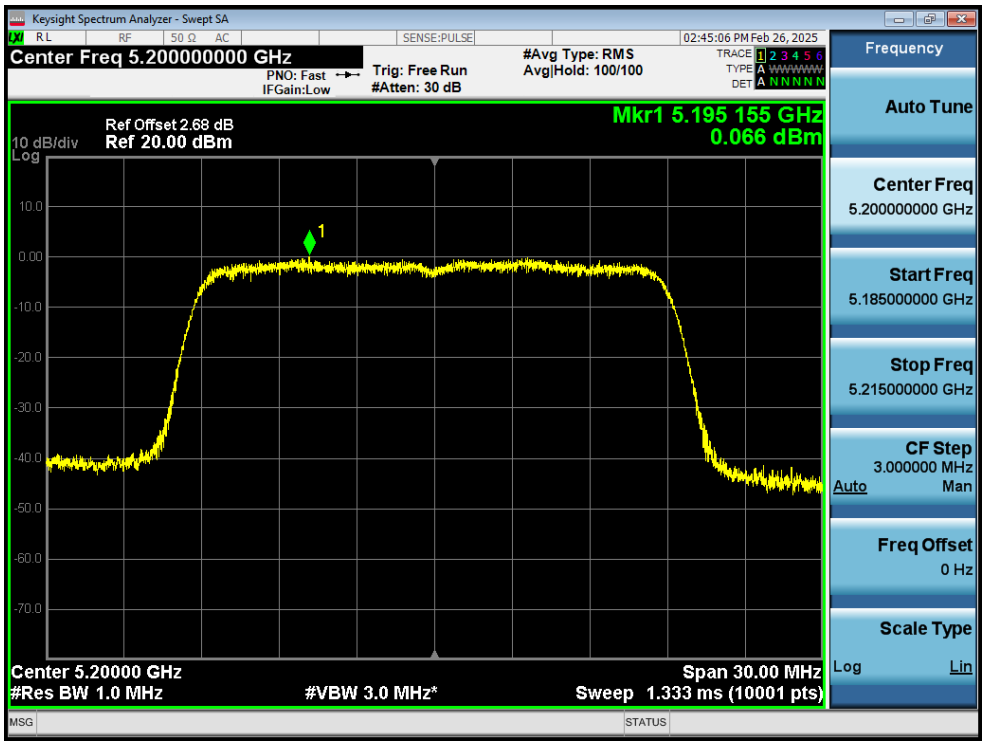
PSD NVNT n40 5190MHz Ant1



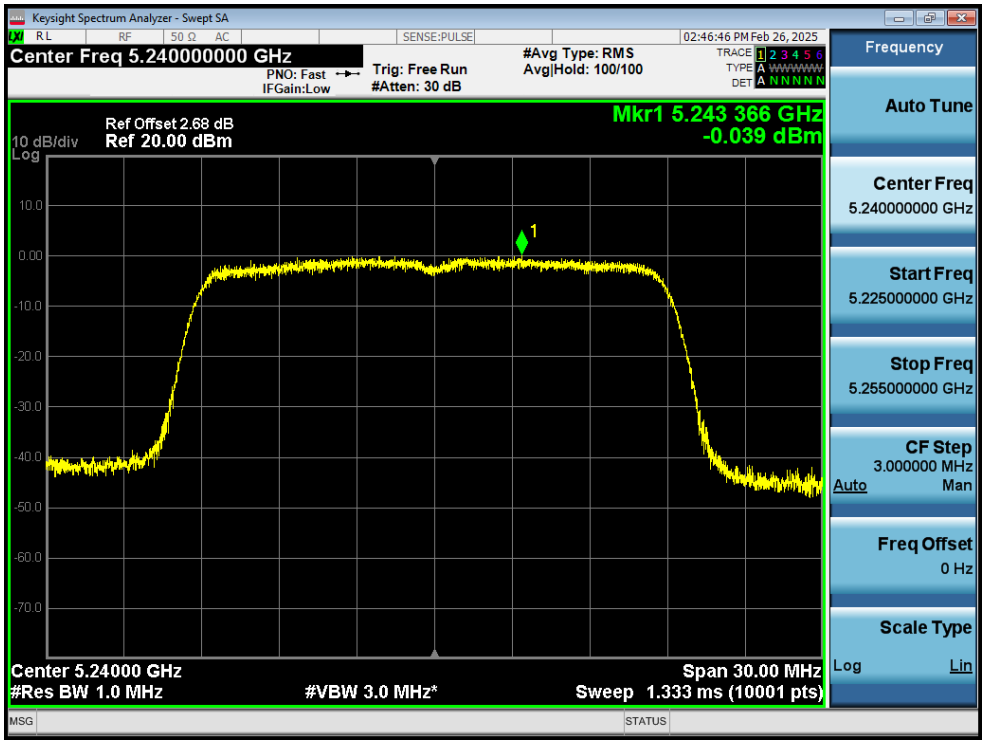
PSD NVNT n40 5230MHz Ant1



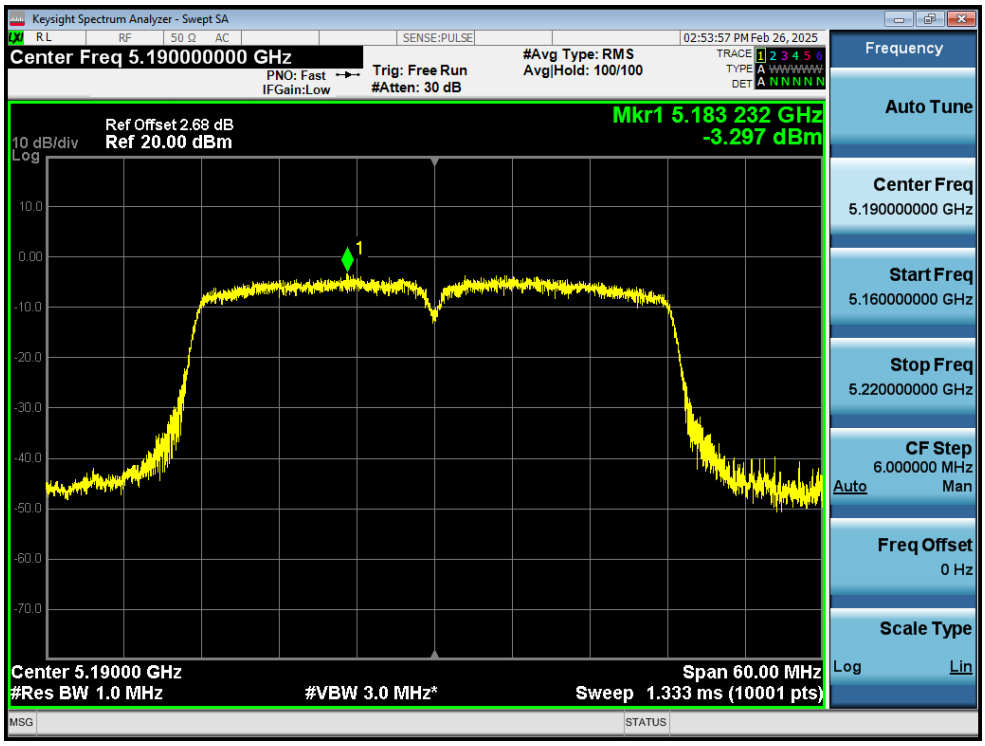
PSD NVNT ac20 5180MHz Ant1



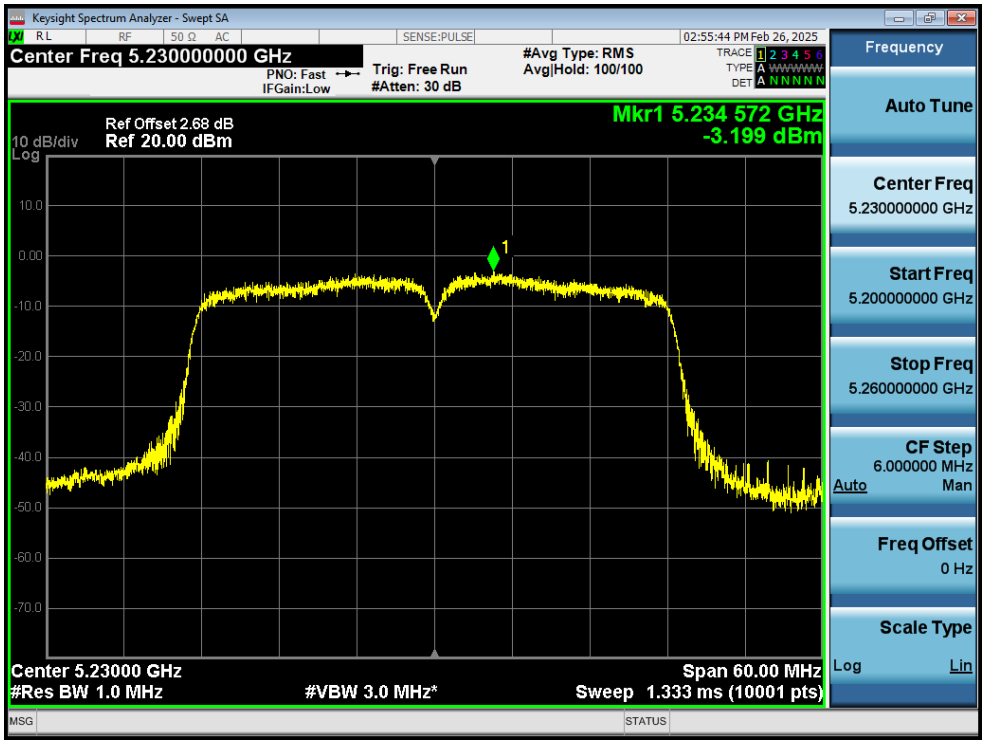
PSD NVNT ac20 5200MHz Ant1



PSD NVNT ac20 5240MHz Ant1



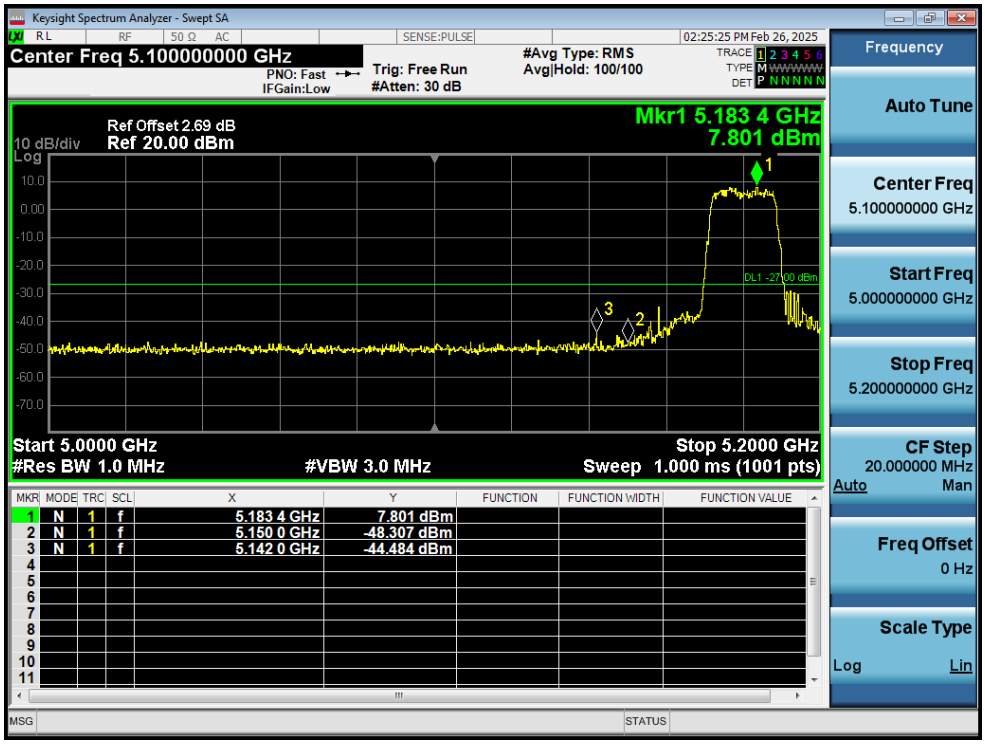
PSD NVNT ac40 5190MHz Ant1



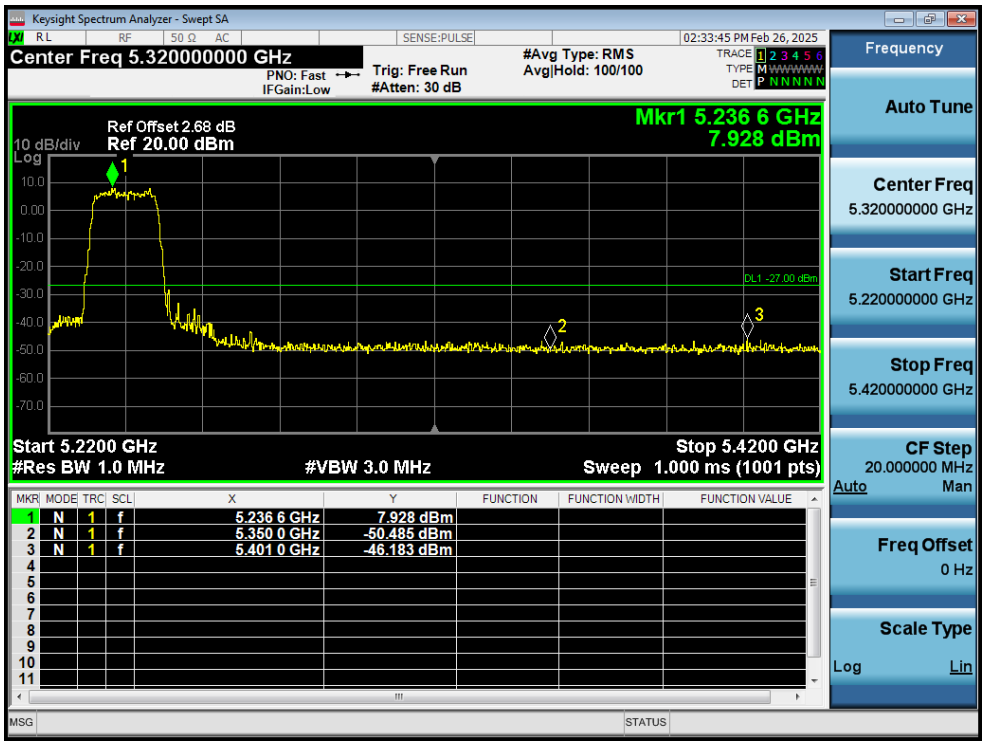
PSD NVNT ac40 5230MHz Ant1

6. Band Edge

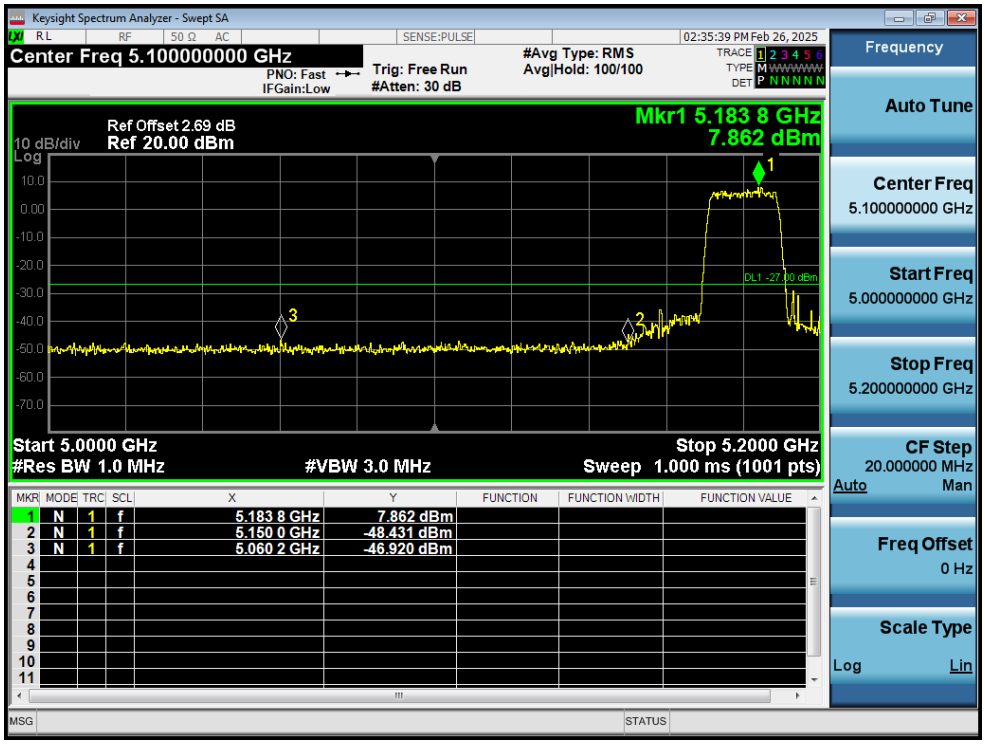
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-44.48	-27	Pass
NVNT	a	5240	Ant1	-46.18	-27	Pass
NVNT	n20	5180	Ant1	-46.91	-27	Pass
NVNT	n20	5240	Ant1	-46.39	-27	Pass
NVNT	n40	5190	Ant1	-40.39	-27	Pass
NVNT	n40	5230	Ant1	-46.68	-27	Pass
NVNT	ac20	5180	Ant1	-37.6	-27	Pass
NVNT	ac20	5240	Ant1	-46.32	-27	Pass
NVNT	ac40	5190	Ant1	-33.64	-27	Pass
NVNT	ac40	5230	Ant1	-46.9	-27	Pass



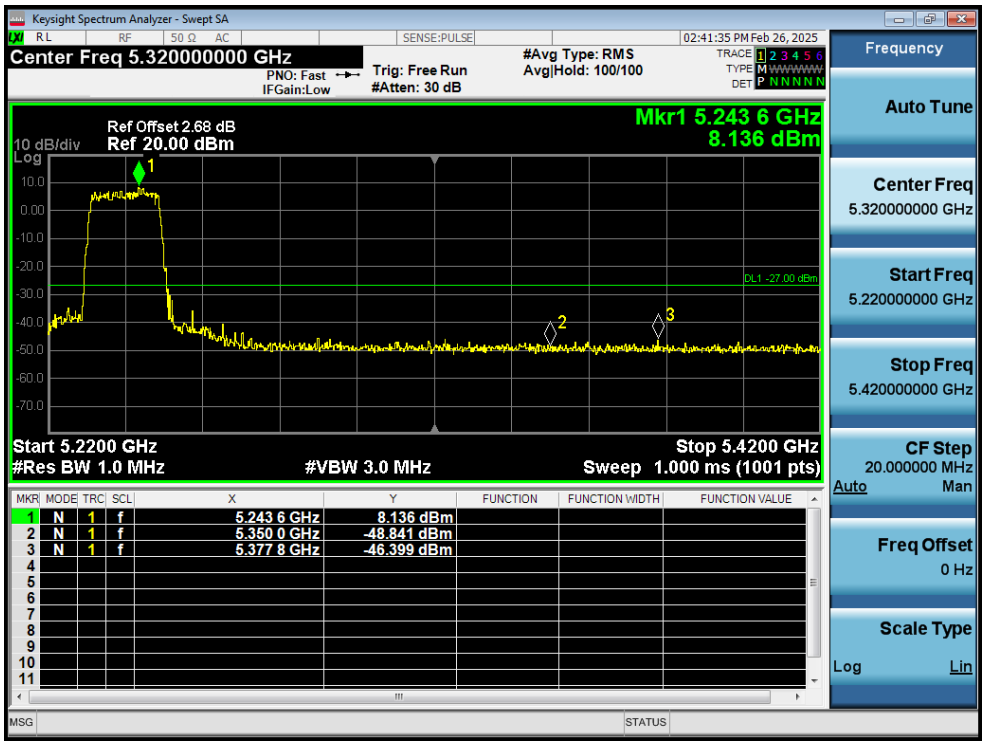
Band Edge NVNT a 5180MHz Low Ant1



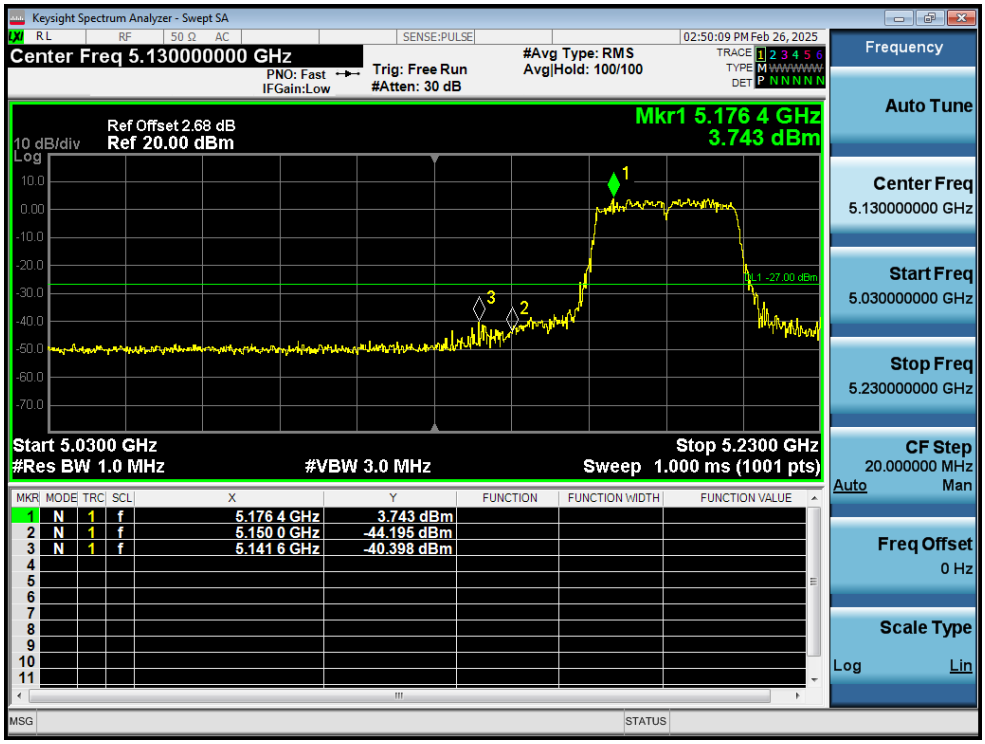
Band Edge NVNT a 5240MHz High Ant1



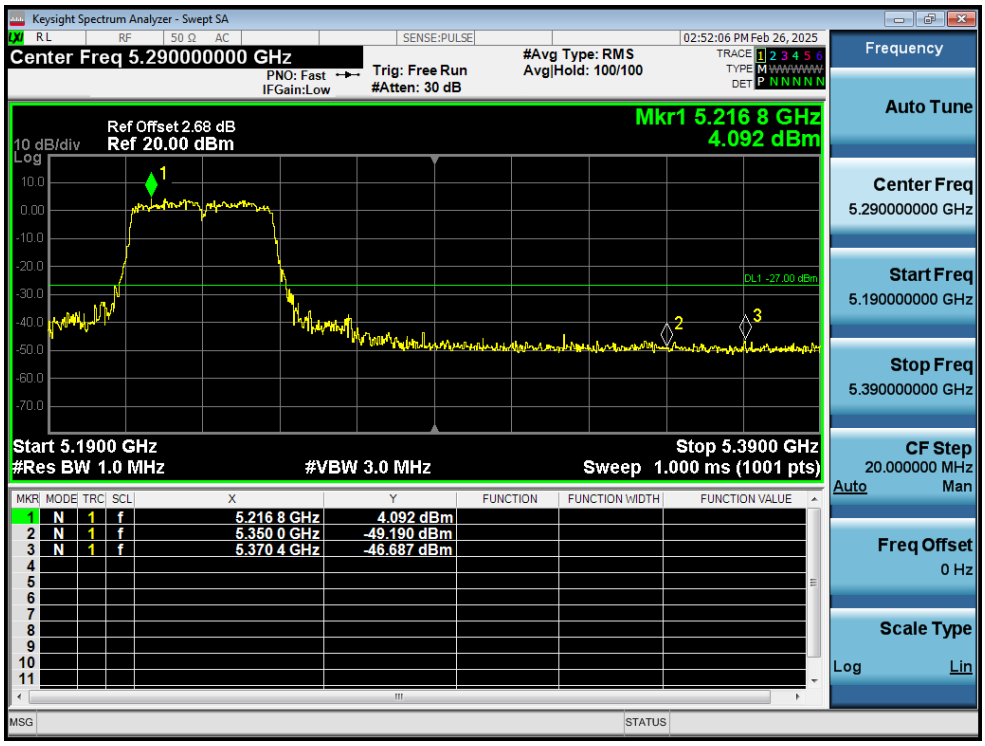
Band Edge NVNT n20 5180MHz Low Ant1



Band Edge NVNT n20 5240MHz High Ant1

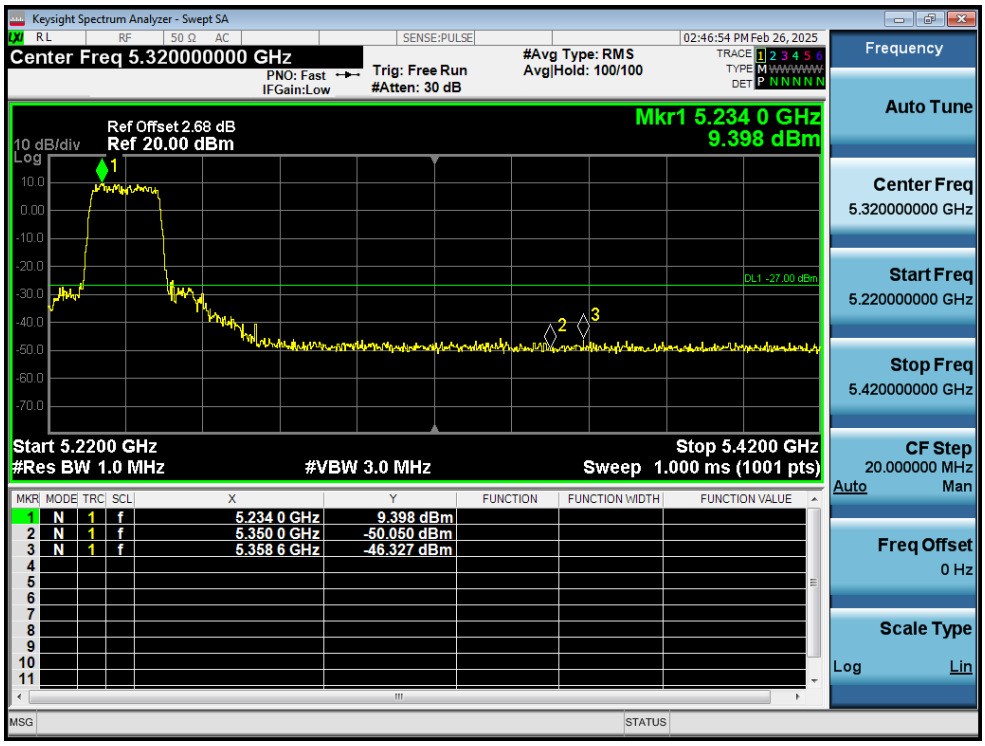


Band Edge NVNT n40 5190MHz Low Ant1



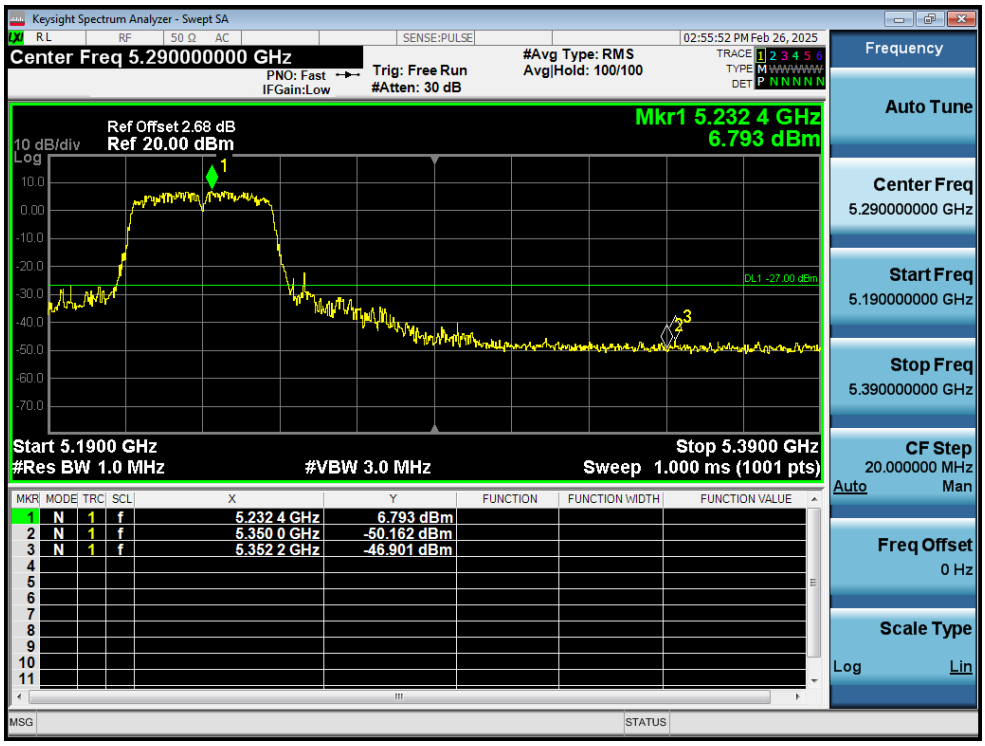
Band Edge NVNT n40 5230MHz High Ant1

Band Edge NVNT ac20 5180MHz Low Ant1



Band Edge NVNT ac20 5240MHz High Ant1

Band Edge NVNT ac40 5190MHz Low Ant1



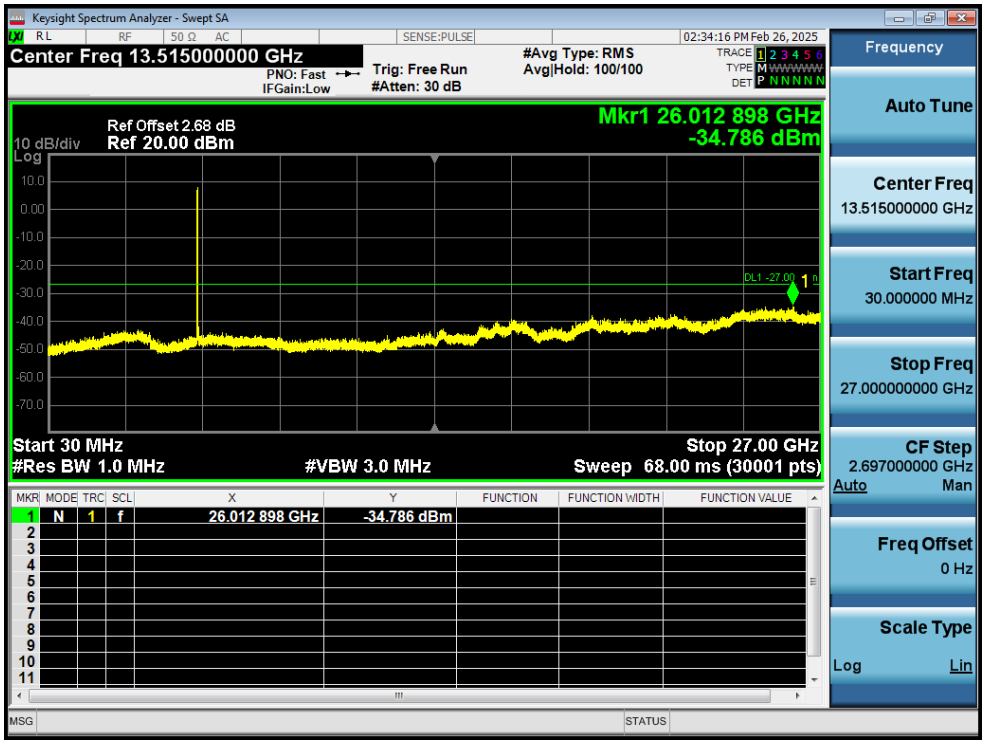
Band Edge NVNT ac40 5230MHz High Ant1

7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-34.74	-27	Pass
NVNT	a	5200	Ant1	-34.69	-27	Pass
NVNT	a	5240	Ant1	-34.78	-27	Pass
NVNT	n20	5180	Ant1	-34.13	-27	Pass
NVNT	n20	5200	Ant1	-35.22	-27	Pass
NVNT	n20	5240	Ant1	-35.14	-27	Pass
NVNT	n40	5190	Ant1	-34.84	-27	Pass
NVNT	n40	5230	Ant1	-35.22	-27	Pass
NVNT	ac20	5180	Ant1	-35.03	-27	Pass
NVNT	ac20	5200	Ant1	-34.82	-27	Pass
NVNT	ac20	5240	Ant1	-34.84	-27	Pass
NVNT	ac40	5190	Ant1	-33.47	-27	Pass
NVNT	ac40	5230	Ant1	-34.98	-27	Pass

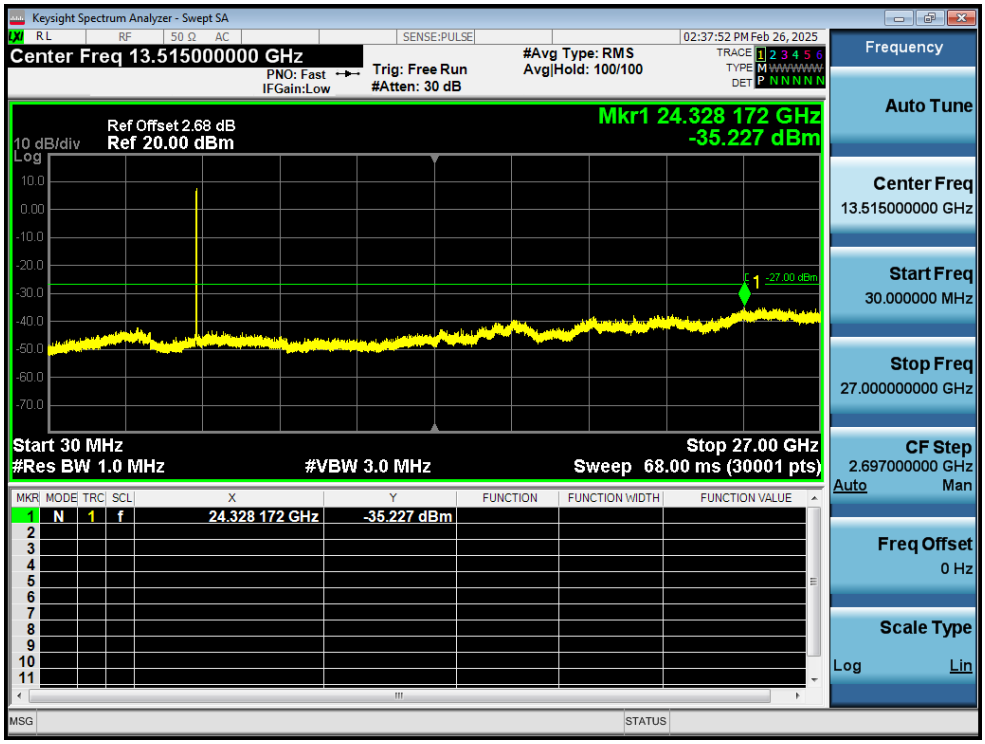
Tx. Spurious NVNT a 5180MHz Ant1 Emission

Tx. Spurious NVNT a 5200MHz Ant1 Emission



Tx. Spurious NVNT a 5240MHz Ant1 Emission

Tx. Spurious NVNT n20 5180MHz Ant1 Emission

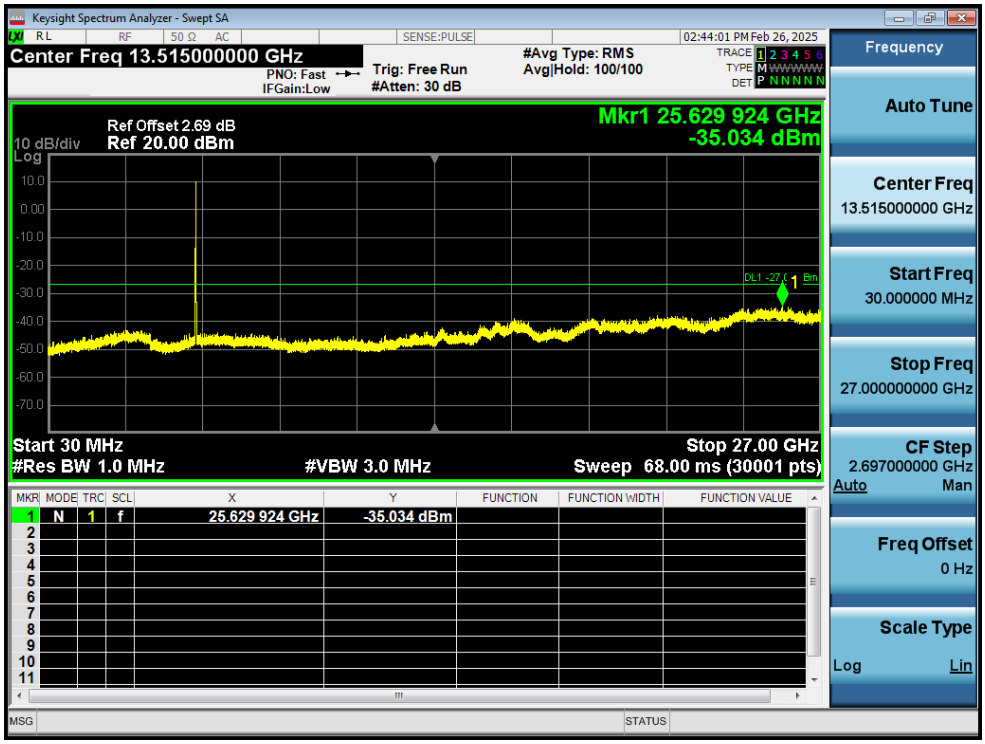


Tx. Spurious NVNT n20 5200MHz Ant1 Emission

Tx. Spurious NVNT n20 5240MHz Ant1 Emission

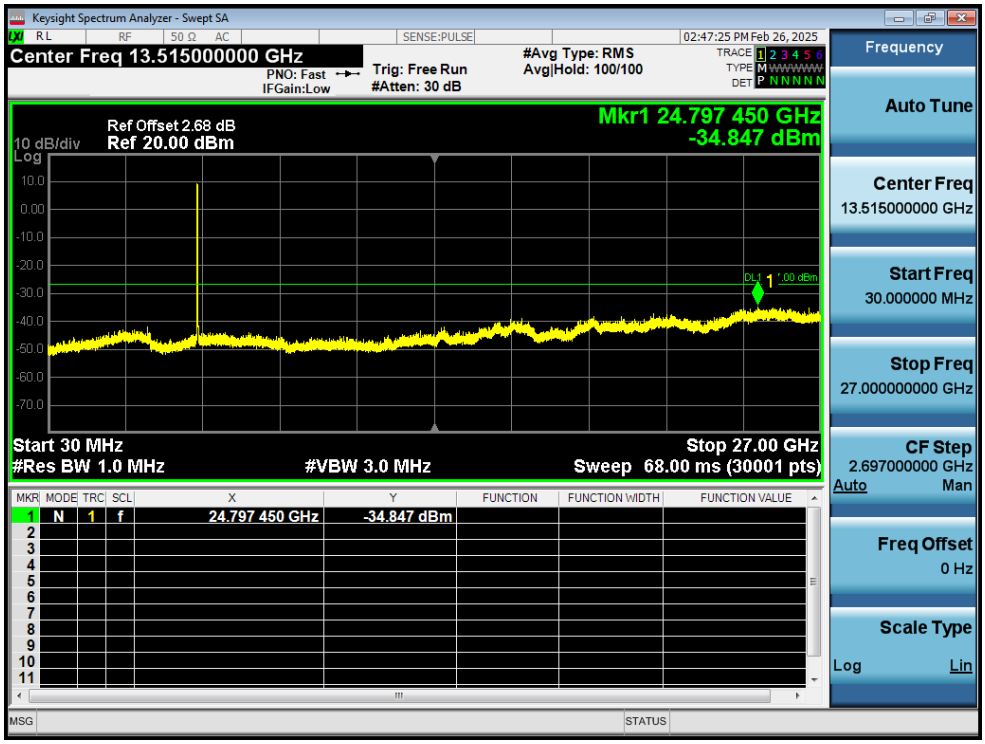
Tx. Spurious NVNT n40 5190MHz Ant1 Emission

Tx. Spurious NVNT n40 5230MHz Ant1 Emission



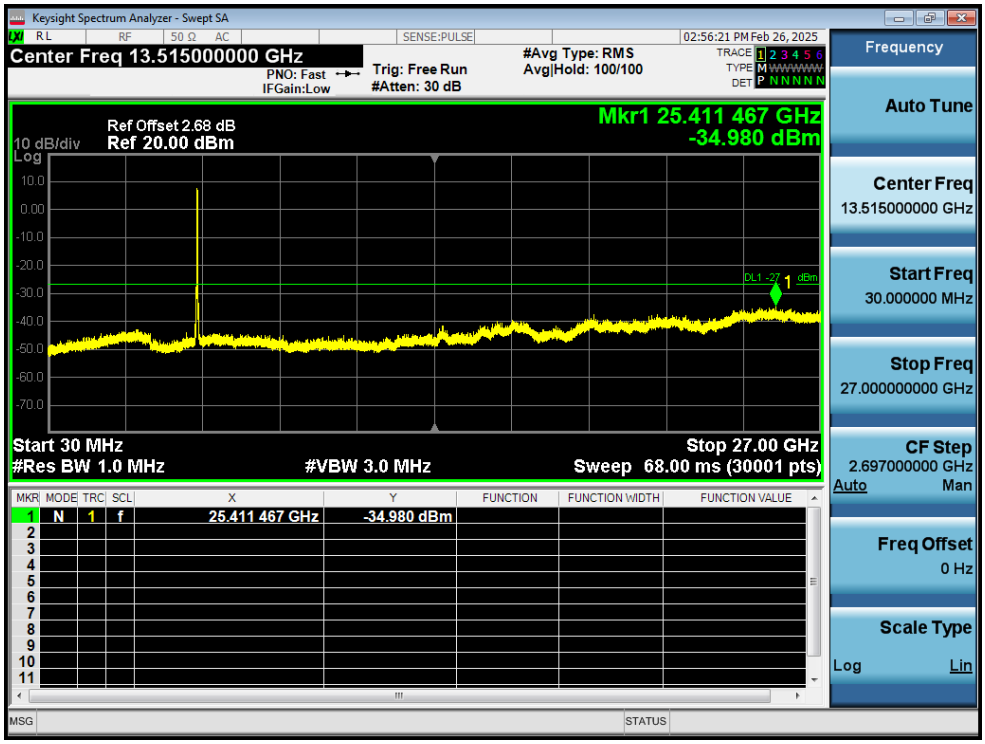
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission

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