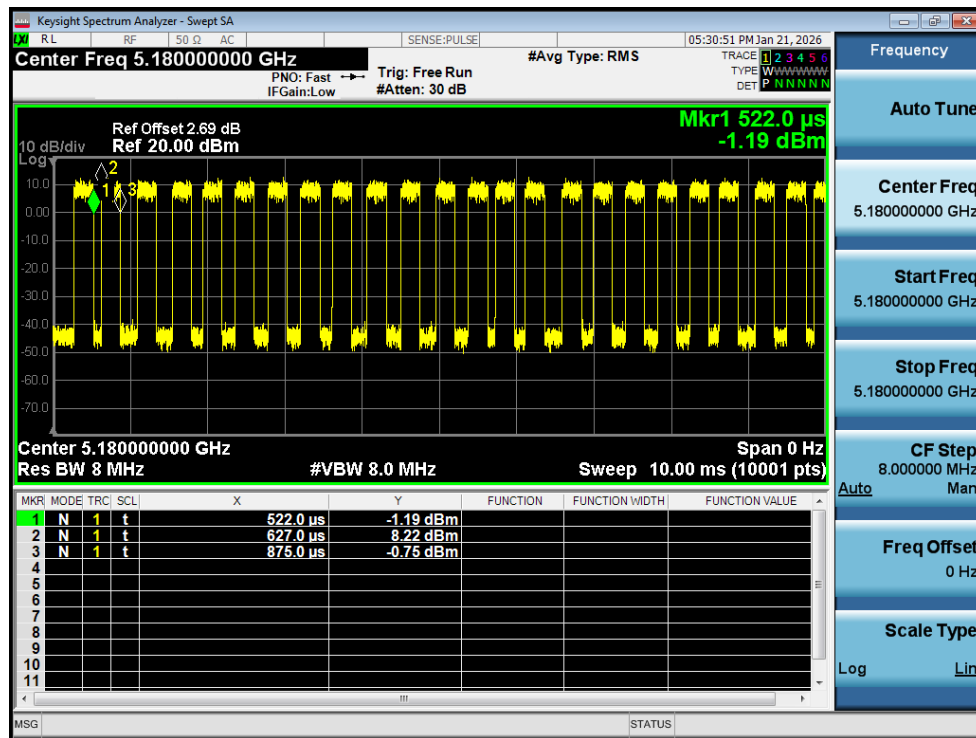


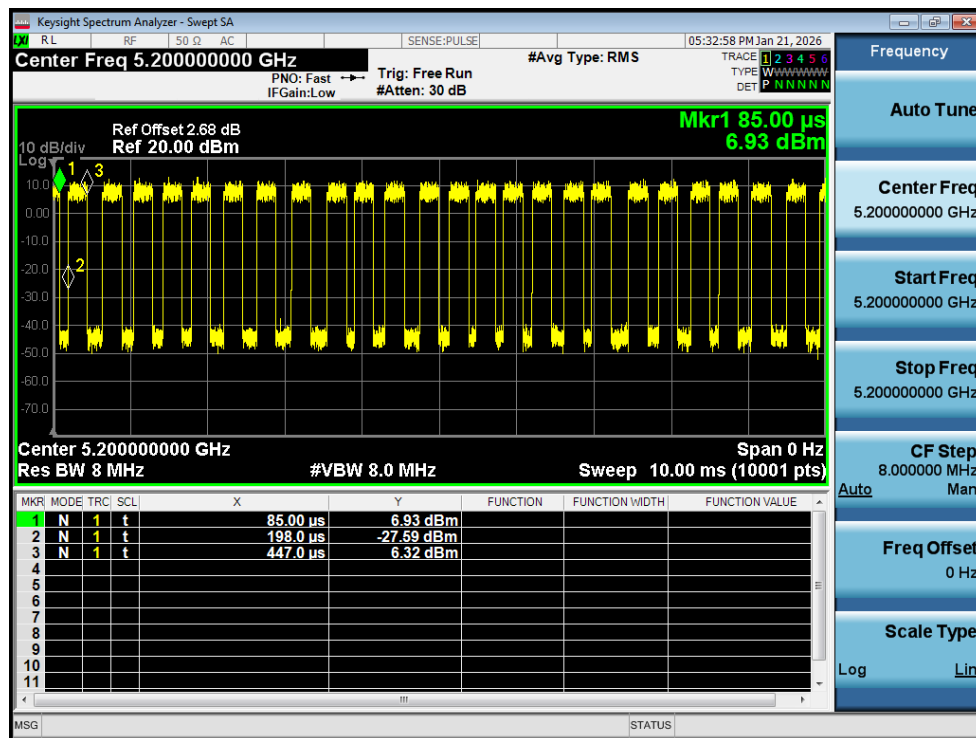
Test Data Appendix of Test Report

1. Duty Cycle

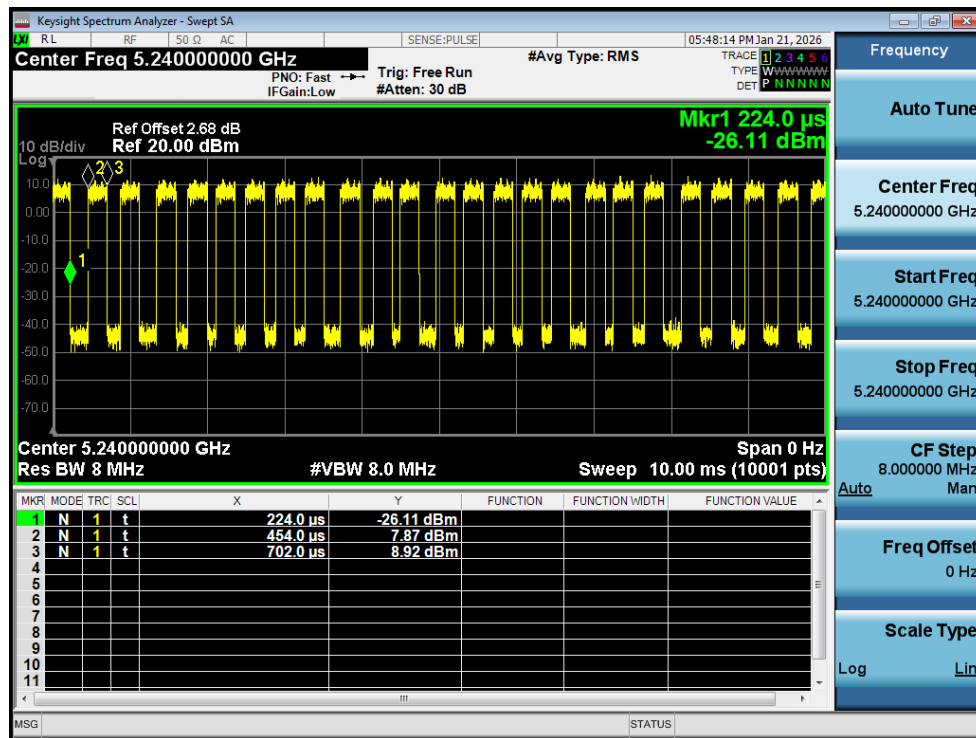
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	70.25	1.53	4.03
NVNT	a	5200	Ant1	68.78	1.63	4.02
NVNT	a	5240	Ant1	51.88	2.85	4.03
NVNT	n20	5180	Ant1	64.96	1.87	4.39
NVNT	n20	5200	Ant1	52.78	2.78	4.39
NVNT	n20	5240	Ant1	56.54	2.48	4.37
NVNT	n40	5190	Ant1	37.83	4.22	7.75
NVNT	n40	5230	Ant1	35.93	4.45	7.75



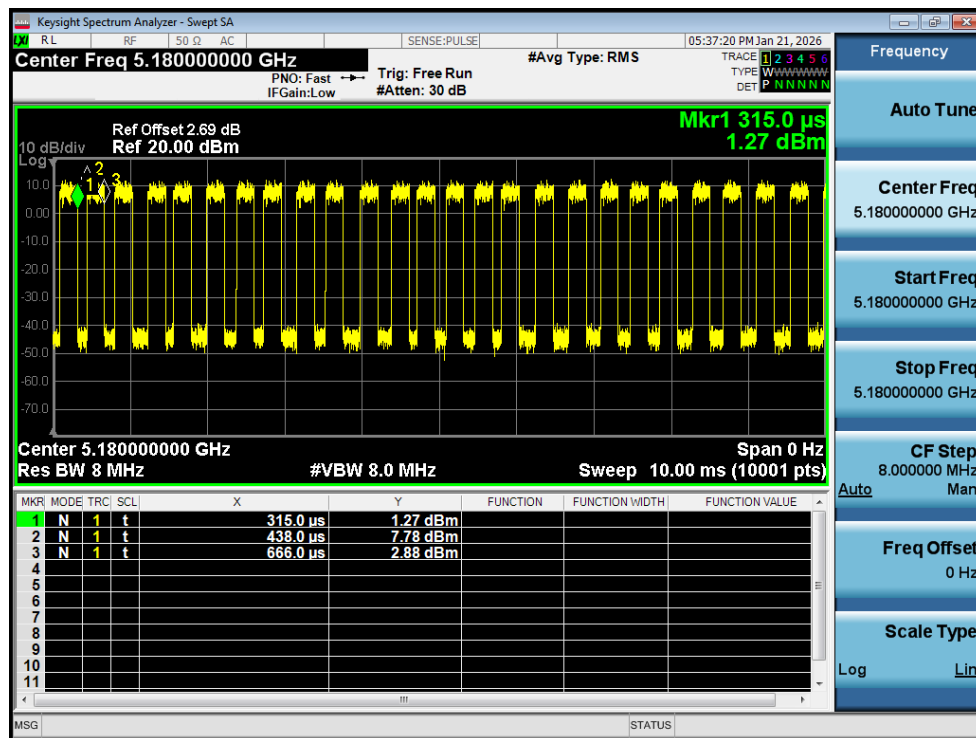
Duty Cycle NVNT a 5180MHz Ant1



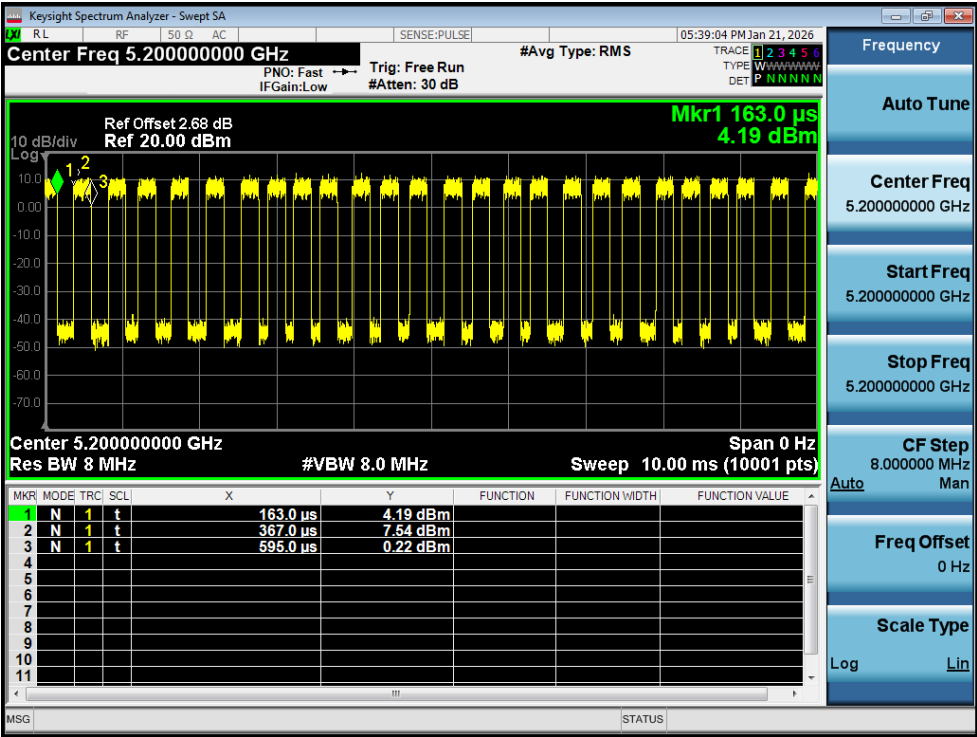
Duty Cycle NVNT a 5200MHz Ant1



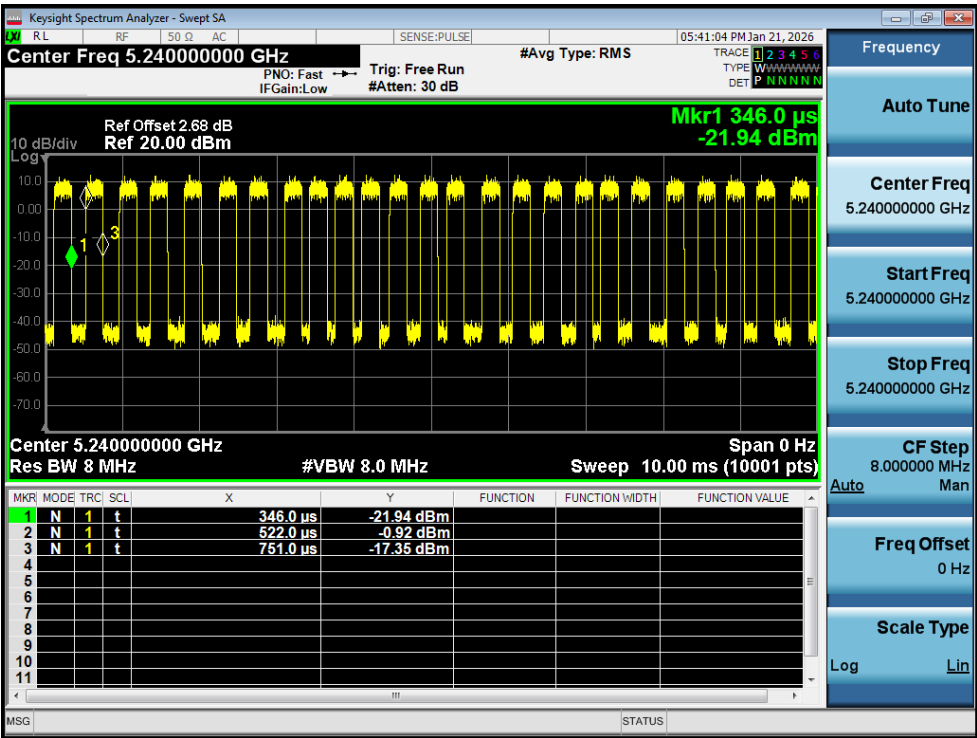
Duty Cycle NVNT a 5240MHz Ant1



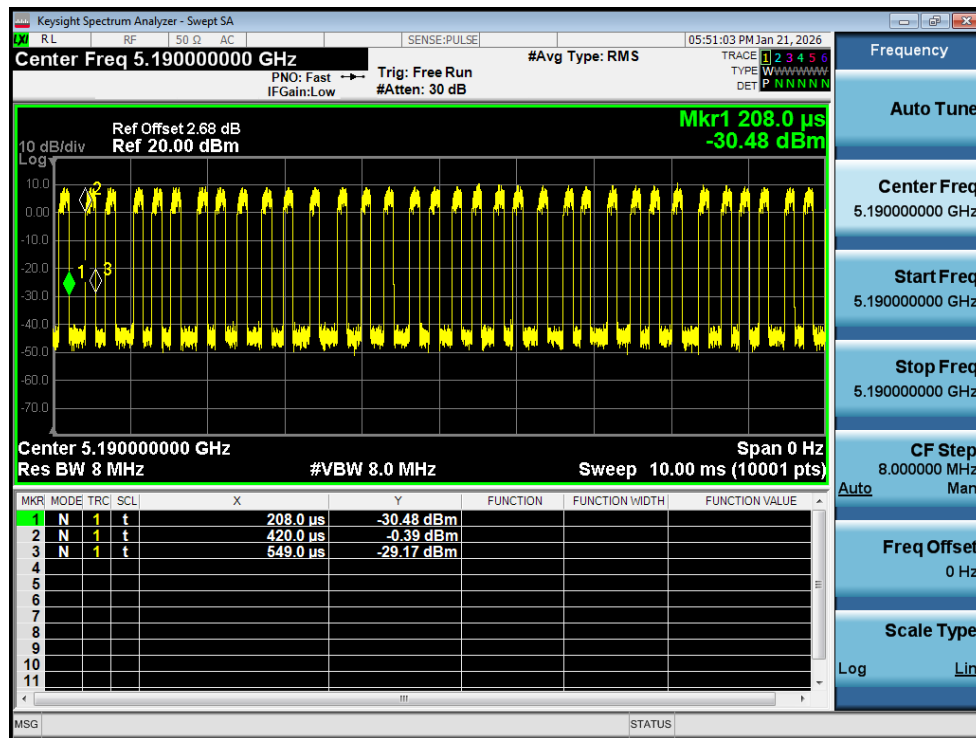
Duty Cycle NVNT n20 5180MHz Ant1



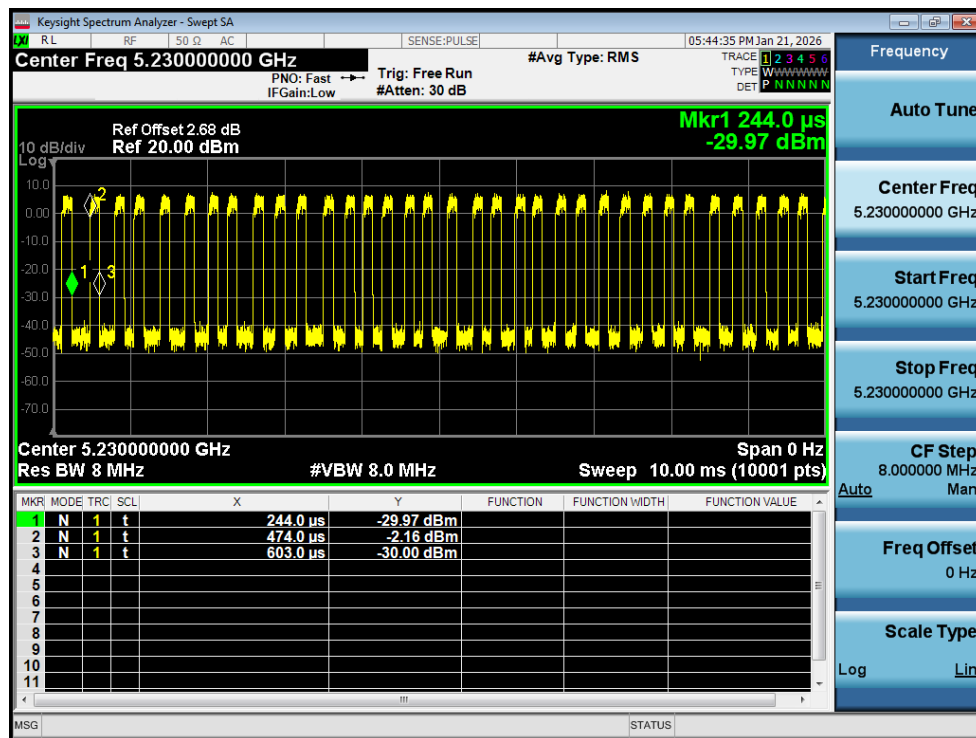
Duty Cycle NVNT n20 5200MHz Ant1



Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1

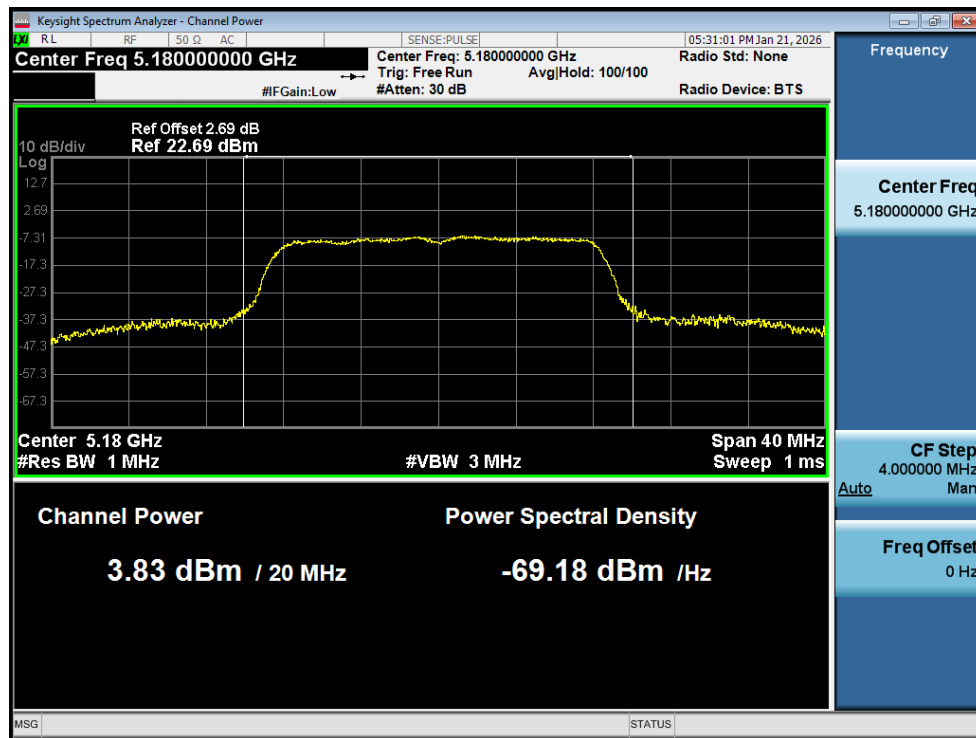


Duty Cycle NVNT n40 5230MHz Ant1

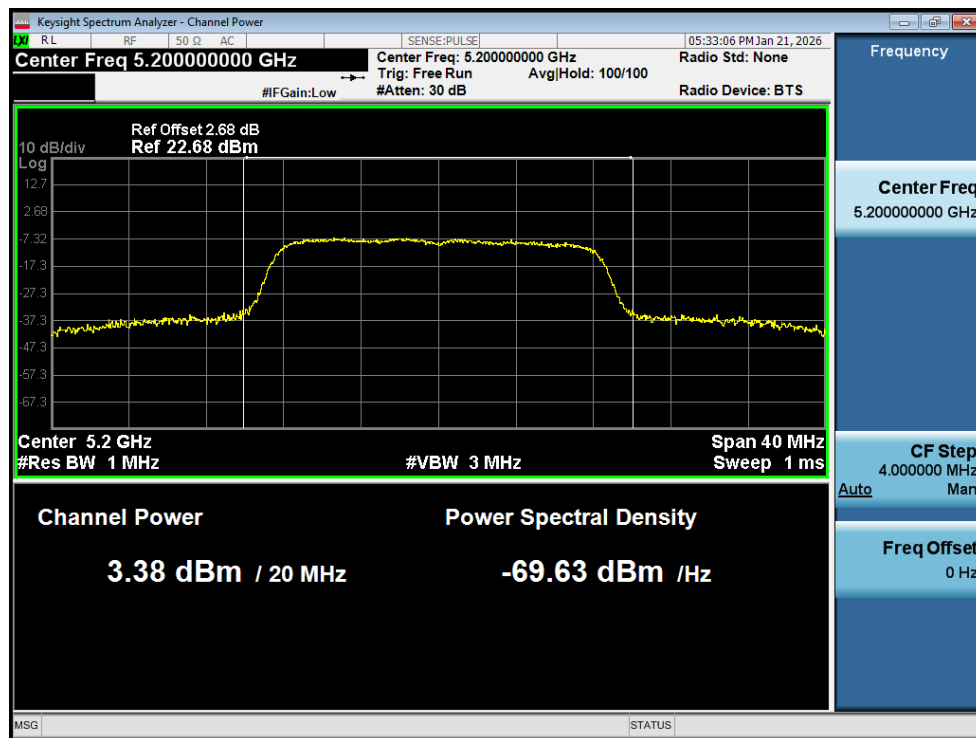
2. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	3.83	1.53	5.36	24	Pass
NVNT	a	5200	Ant1	3.38	1.63	5.01	24	Pass
NVNT	a	5240	Ant1	3.42	2.85	6.27	24	Pass
NVNT	n20	5180	Ant1	3.51	1.87	5.38	24	Pass
NVNT	n20	5200	Ant1	3.12	2.78	5.9	24	Pass
NVNT	n20	5240	Ant1	3.01	2.48	5.49	24	Pass
NVNT	n40	5190	Ant1	2.52	4.22	6.74	24	Pass
NVNT	n40	5230	Ant1	1.68	4.45	6.13	24	Pass

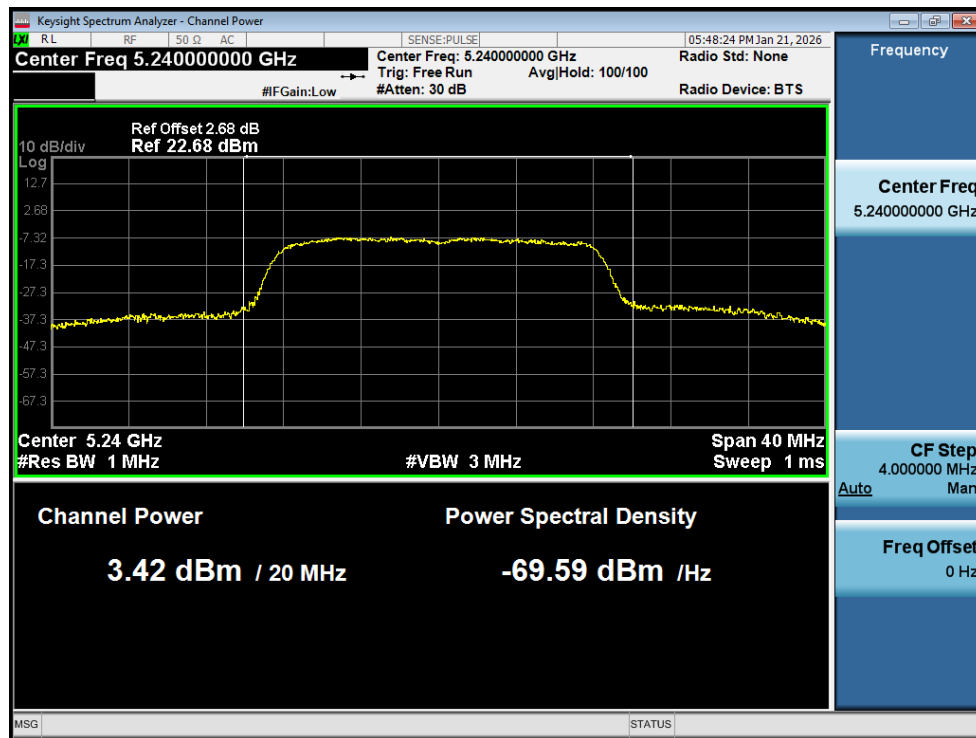
Note: Total power=Conducted power + Duty factor



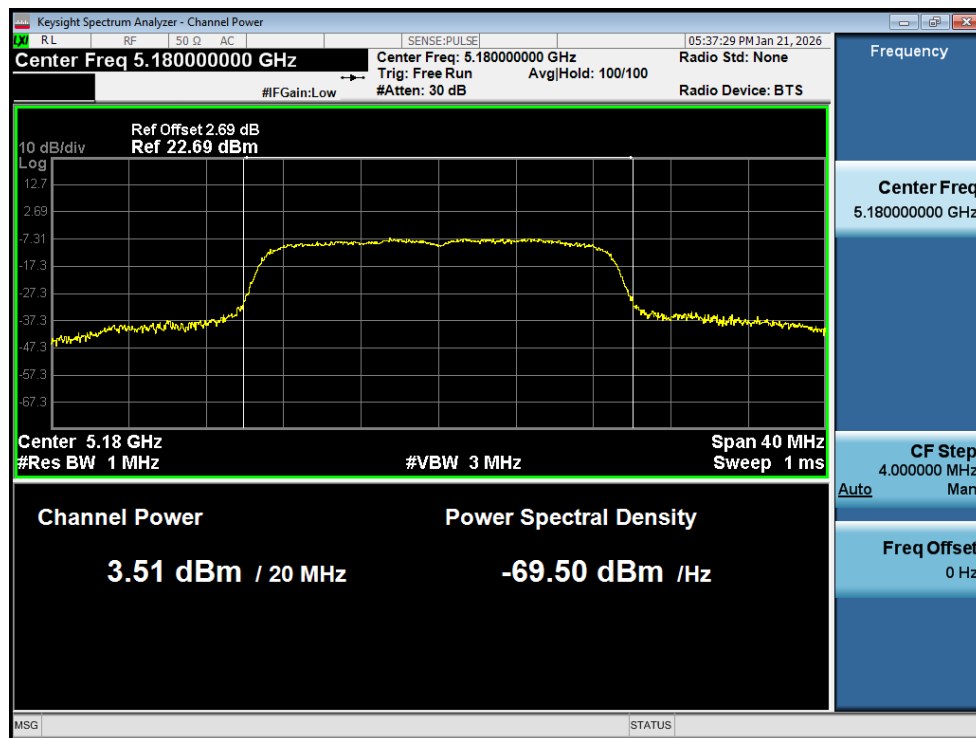
Power NVNT a 5180MHz Ant1



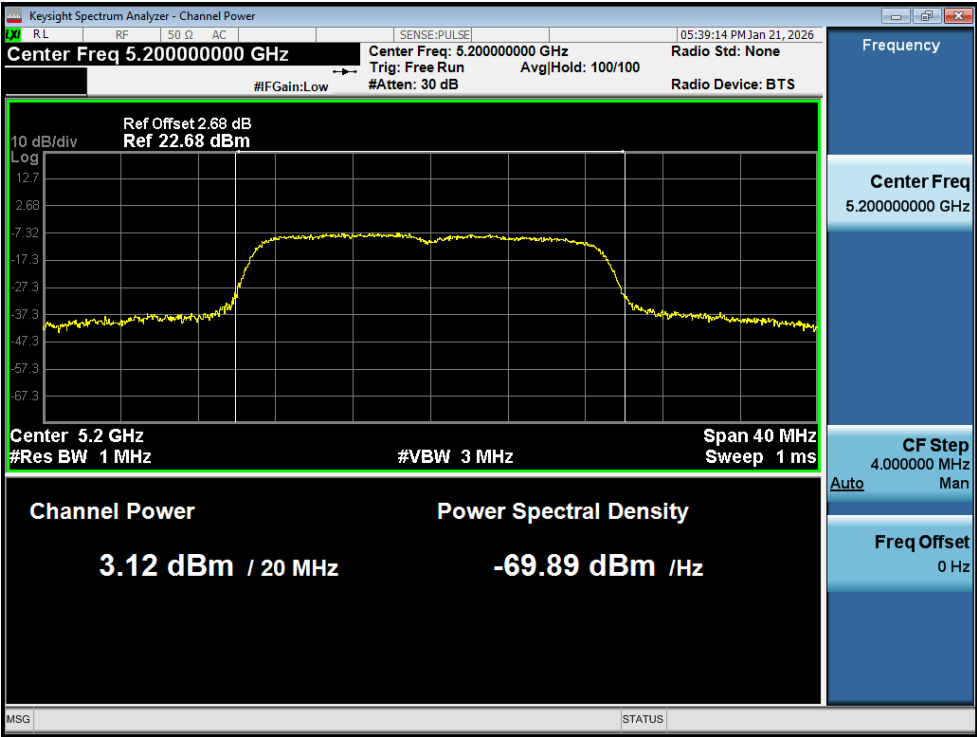
Power NVNT a 5200MHz Ant1



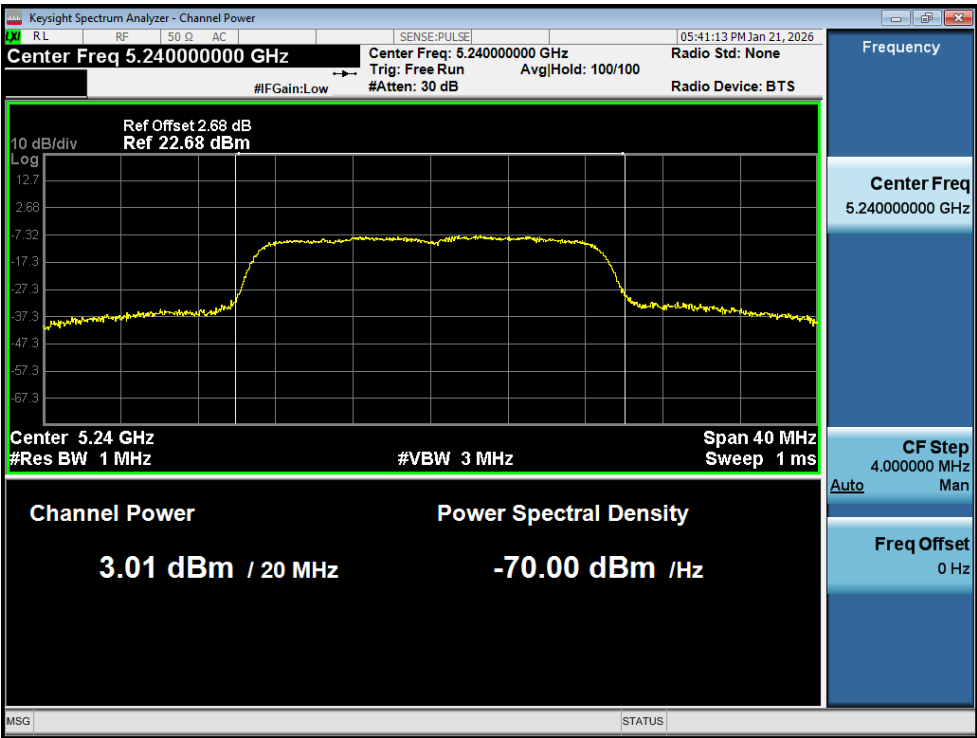
Power NVNT a 5240MHz Ant1



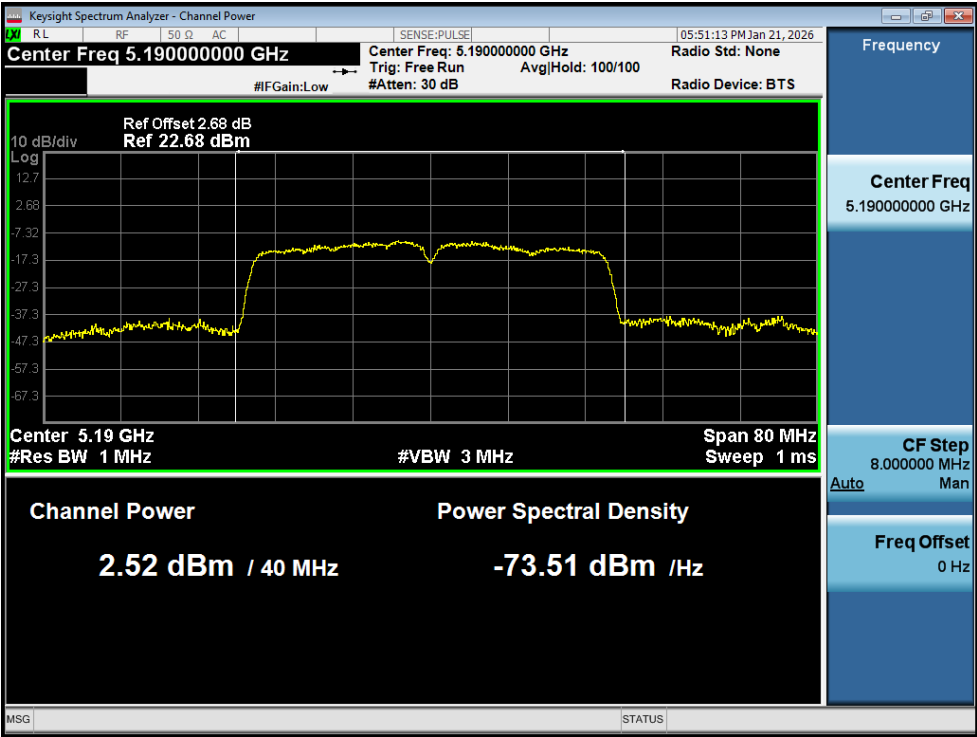
Power NVNT n20 5180MHz Ant1



Power NVNT n20 5200MHz Ant1



Power NVNT n20 5240MHz Ant1



Power NVNT n40 5190MHz Ant1



Power NVNT n40 5230MHz Ant1

3. -26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.45	Pass
NVNT	a	5200	Ant1	20.49	Pass
NVNT	a	5240	Ant1	23.92	Pass
NVNT	n20	5180	Ant1	26.98	Pass
NVNT	n20	5200	Ant1	26.48	Pass
NVNT	n20	5240	Ant1	25.53	Pass
NVNT	n40	5190	Ant1	59.50	Pass
NVNT	n40	5230	Ant1	59.91	Pass

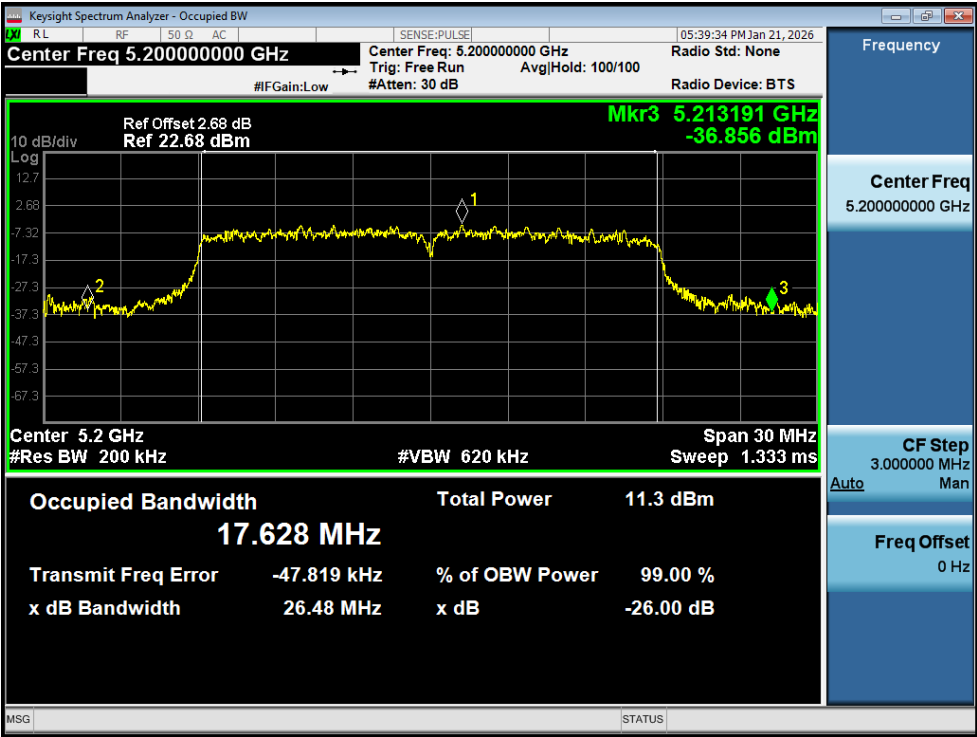


-26dB Bandwidth NVNT a 5180MHz Ant1

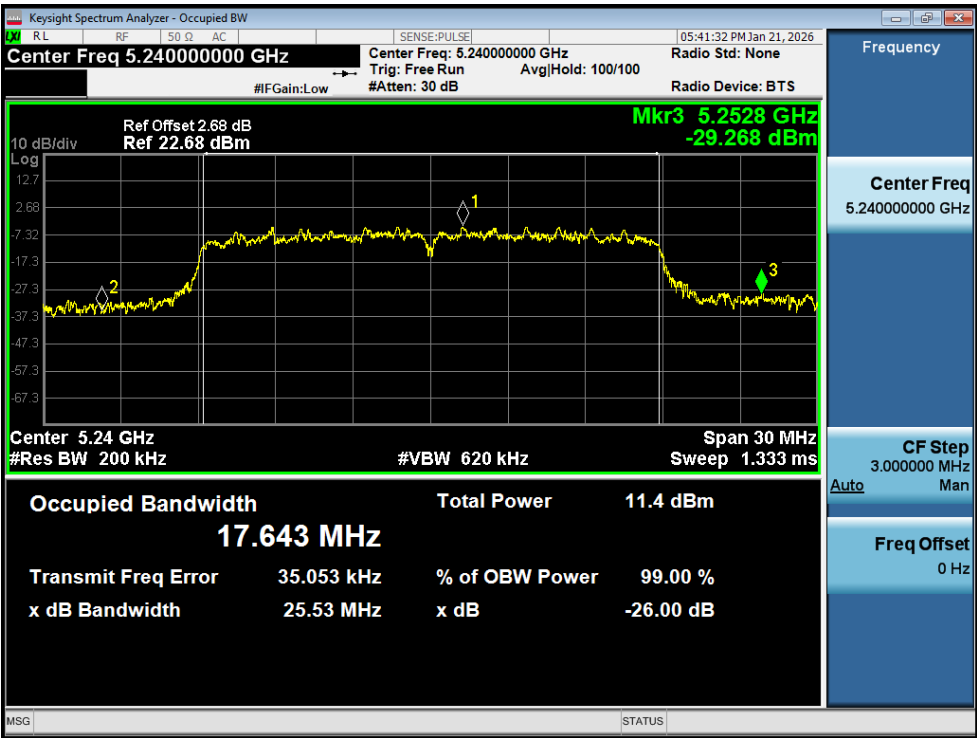


-26dB Bandwidth NVNT a 5200MHz Ant1

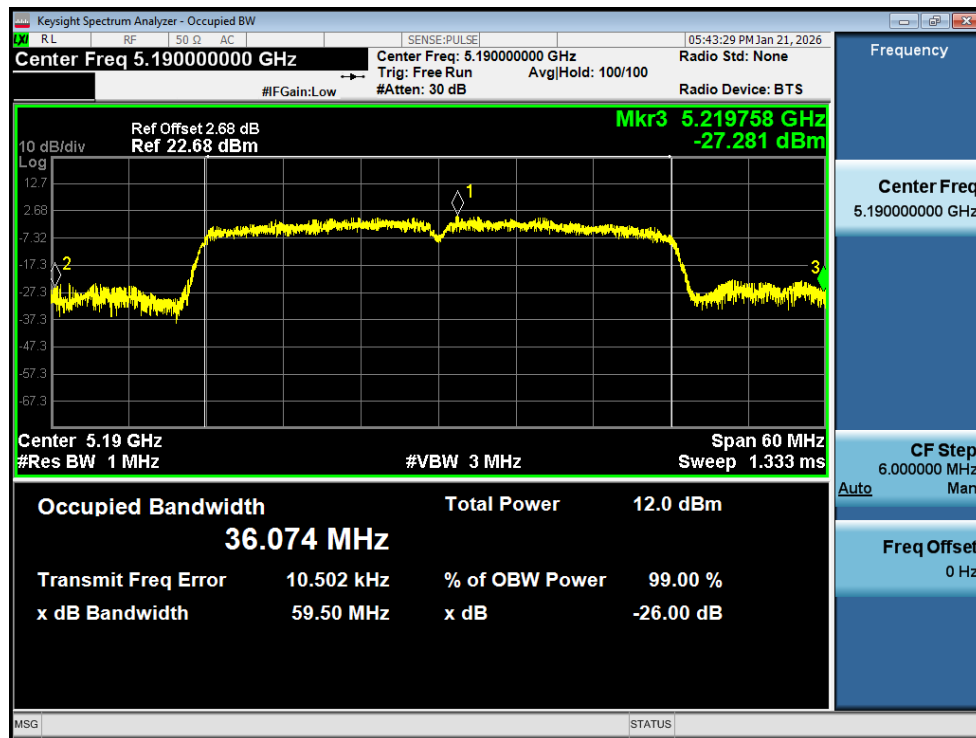




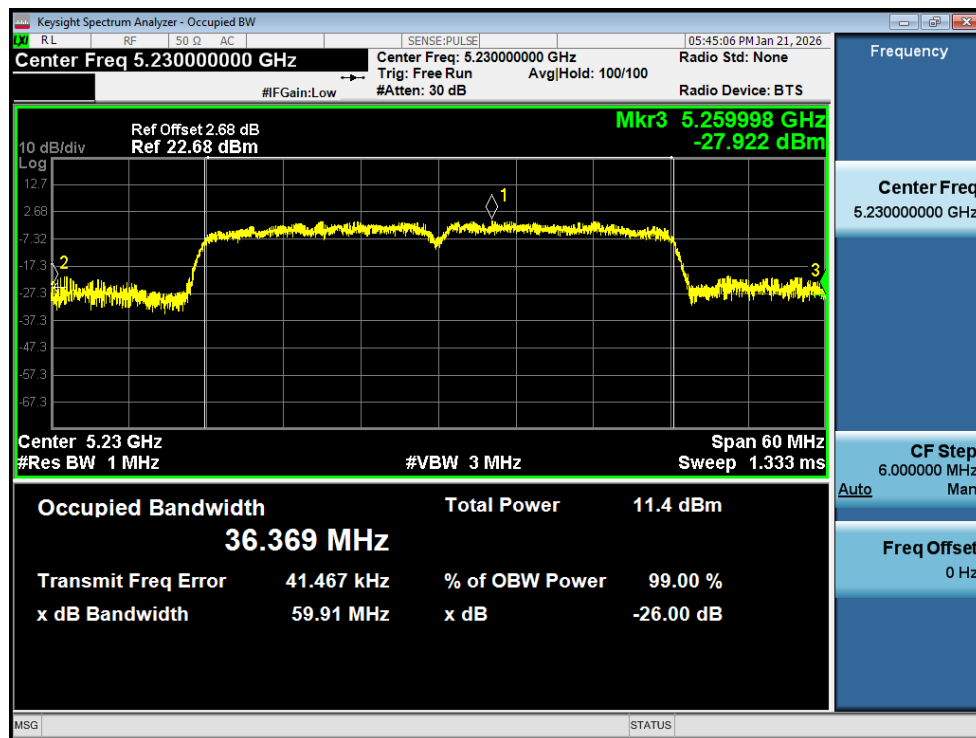
-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1



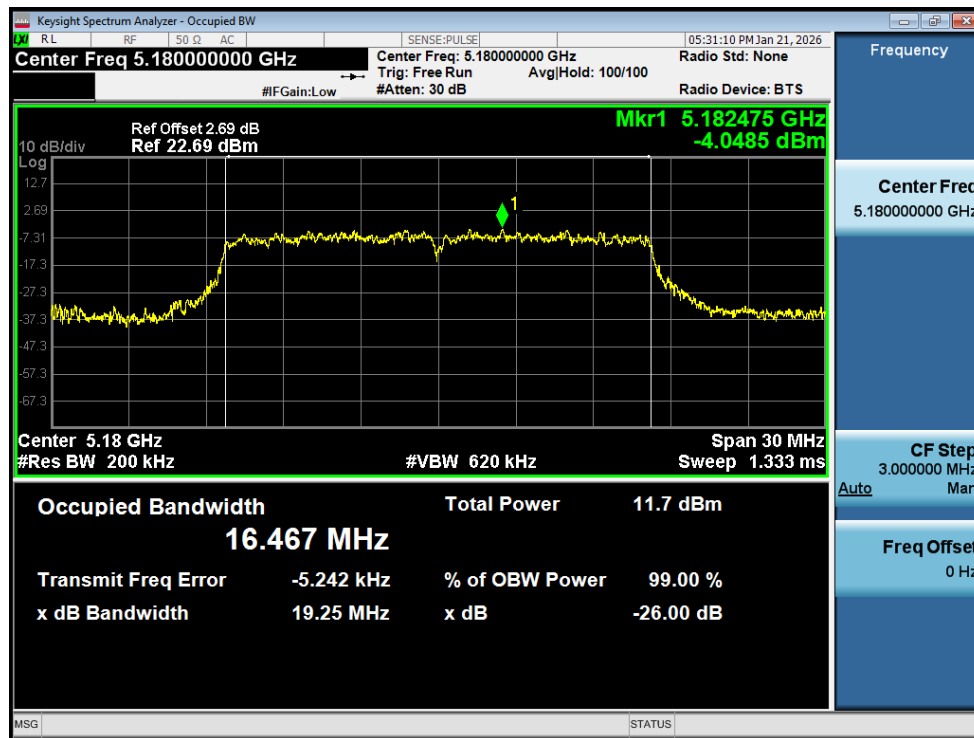
-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1

4. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.467
NVNT	a	5200	Ant1	16.448
NVNT	a	5240	Ant1	16.41
NVNT	n20	5180	Ant1	17.587
NVNT	n20	5200	Ant1	17.629
NVNT	n20	5240	Ant1	17.636
NVNT	n40	5190	Ant1	35.874
NVNT	n40	5230	Ant1	36.096



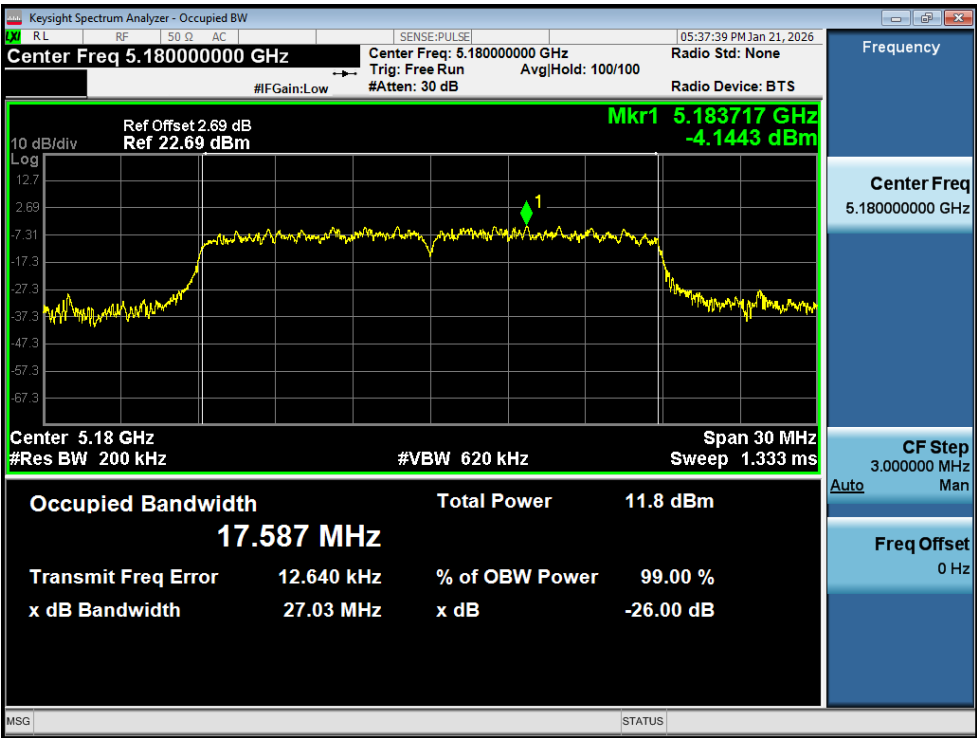
OBW NVNT a 5180MHz Ant1



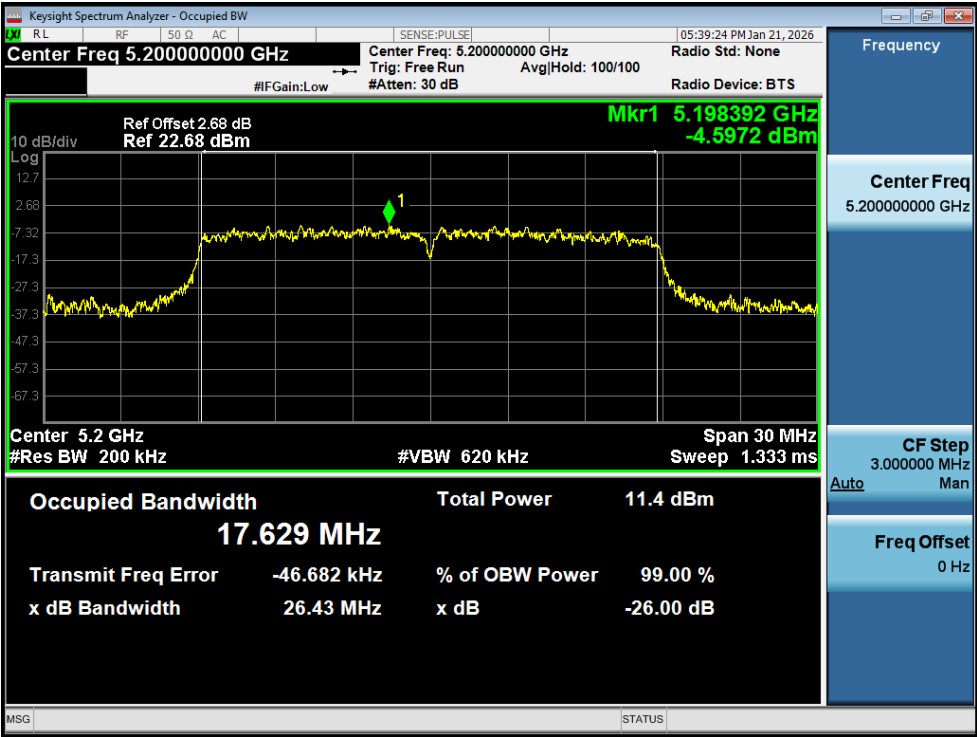
OBW NVNT a 5200MHz Ant1



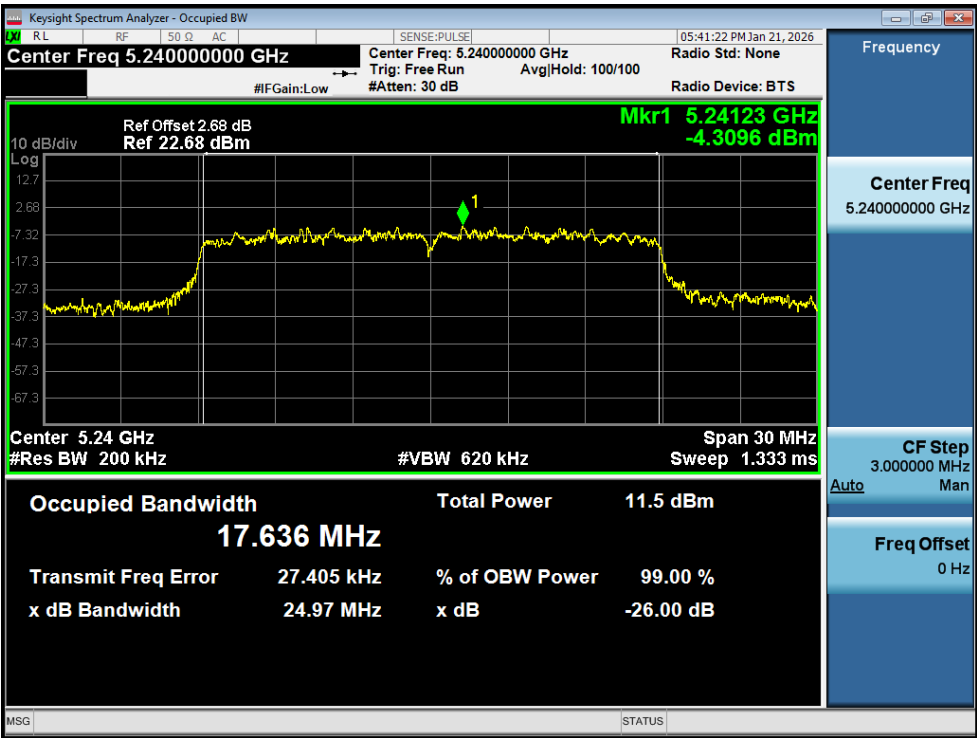
OBW NVNT a 5240MHz Ant1



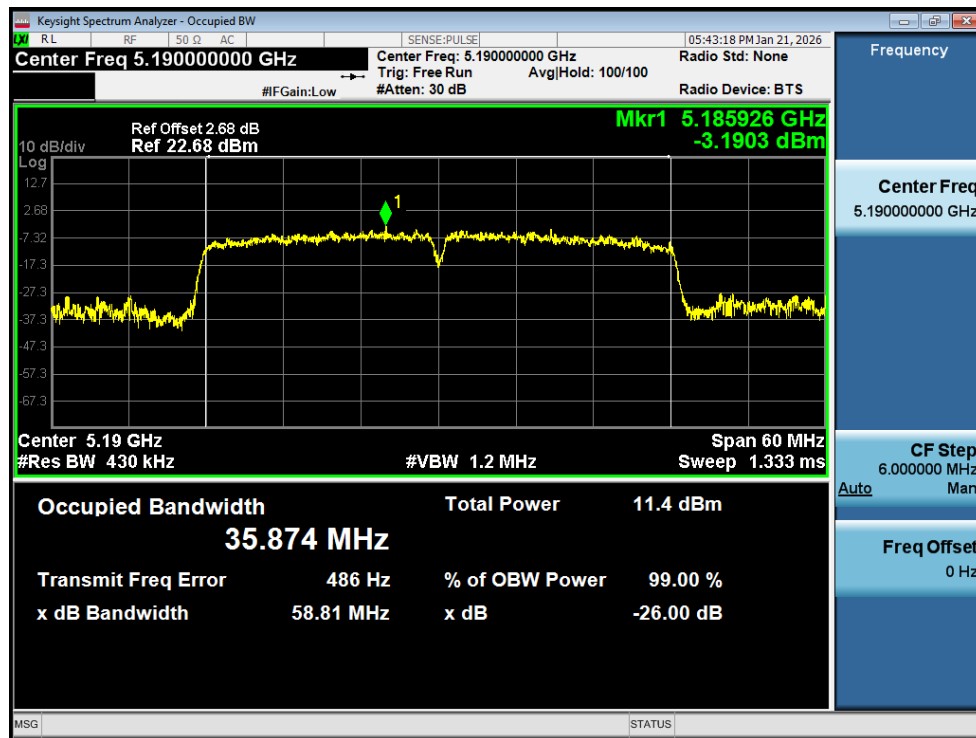
OBW NVNT n20 5180MHz Ant1



OBW NVNT n20 5200MHz Ant1



OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1

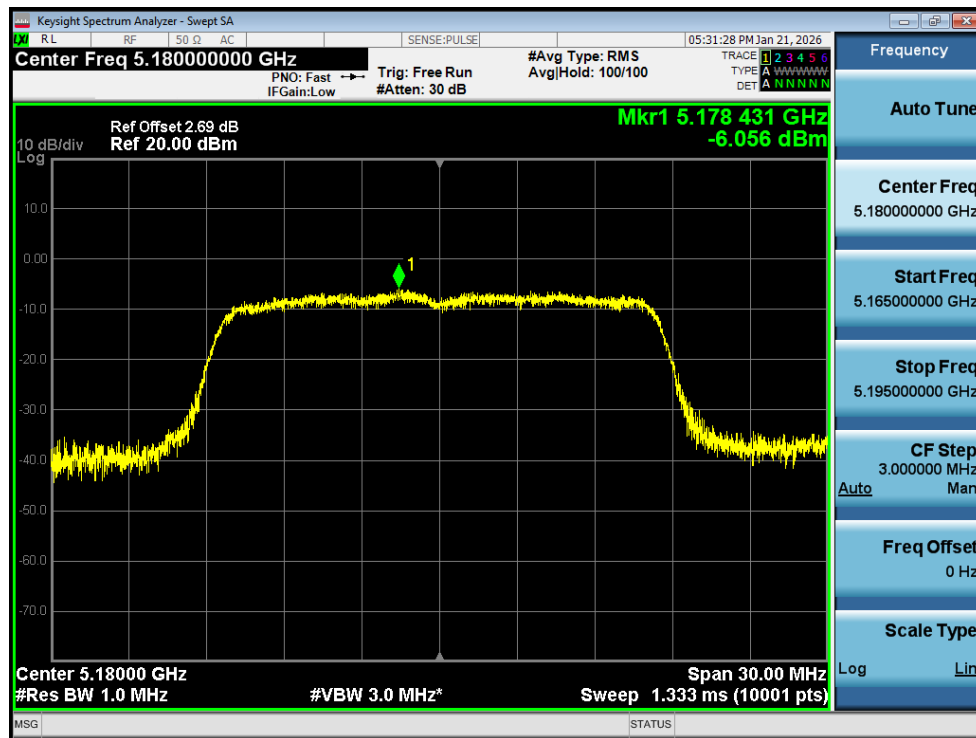


OBW NVNT n40 5230MHz Ant1

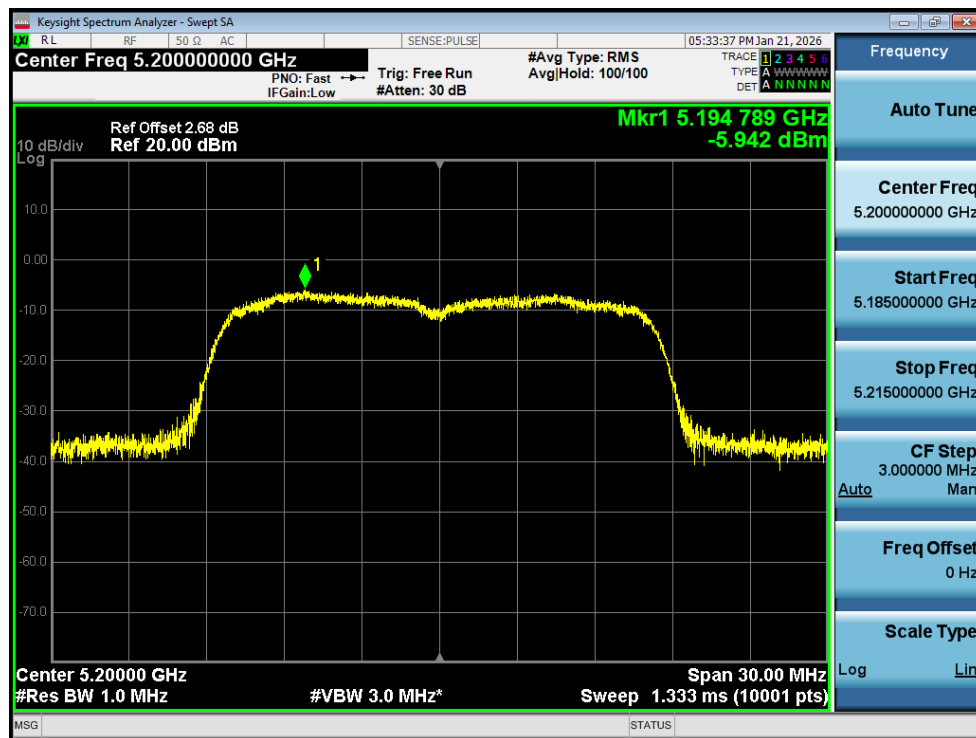
5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	-6.06	1.53	-4.53	11	Pass
NVNT	a	5200	Ant1	-5.94	1.63	-4.31	11	Pass
NVNT	a	5240	Ant1	-6.55	2.85	-3.7	11	Pass
NVNT	n20	5180	Ant1	-6.31	1.87	-4.44	11	Pass
NVNT	n20	5200	Ant1	-6.56	2.78	-3.78	11	Pass
NVNT	n20	5240	Ant1	-6.83	2.48	-4.35	11	Pass
NVNT	n40	5190	Ant1	-9.52	4.22	-5.3	11	Pass
NVNT	n40	5230	Ant1	-9.81	4.45	-5.36	11	Pass

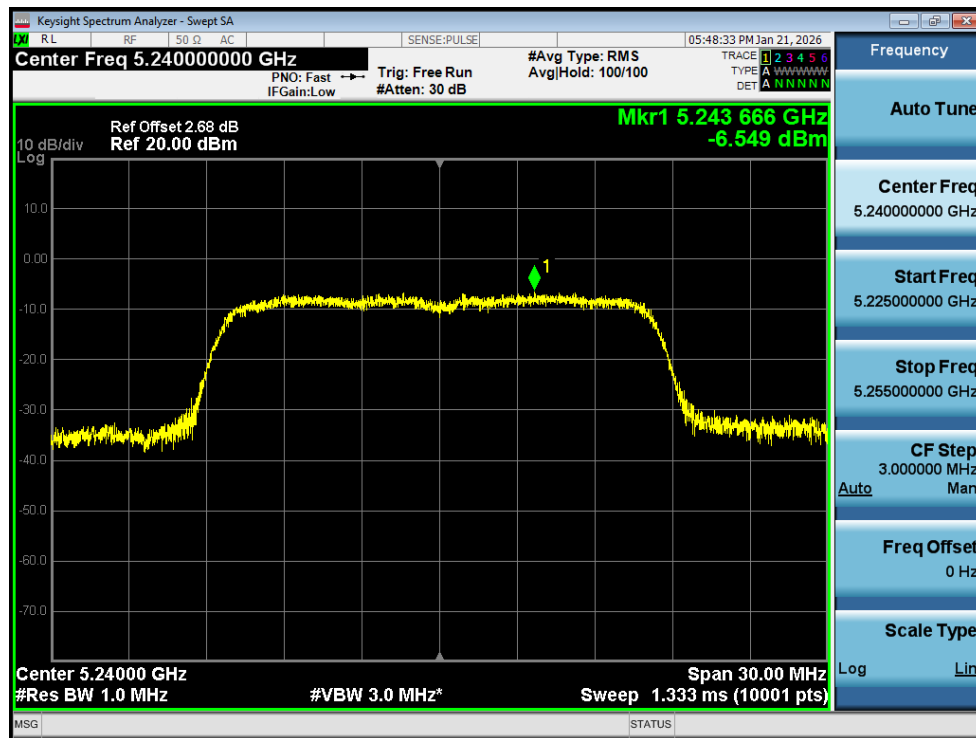
Note: Total PSD=Conducted PSD + Duty factor



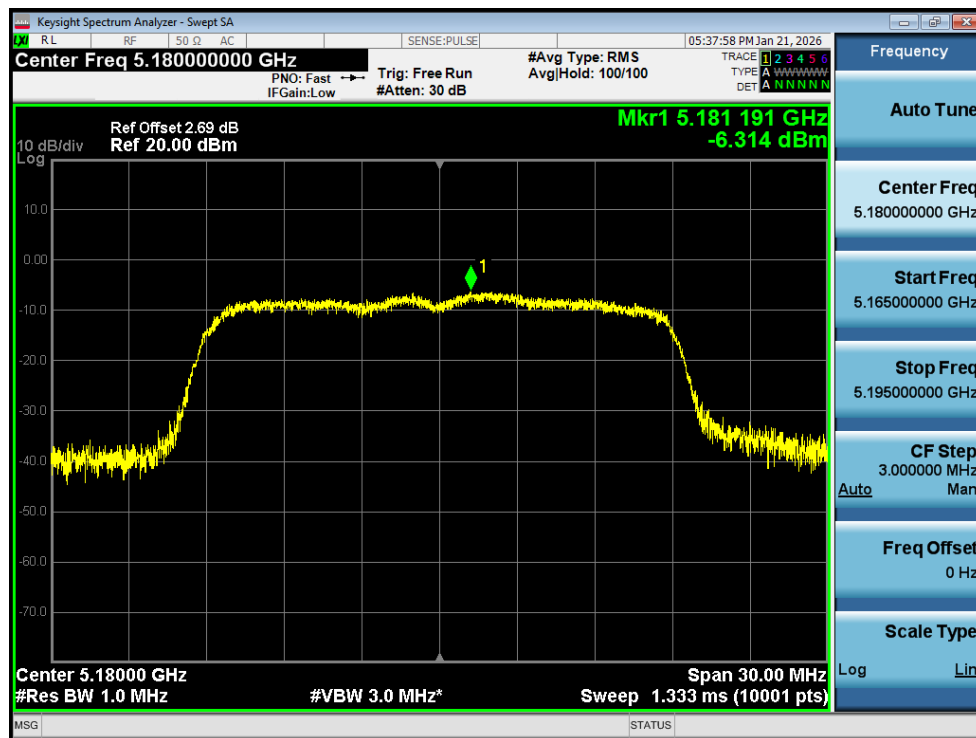
PSD NVNT a 5180MHz Ant1



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



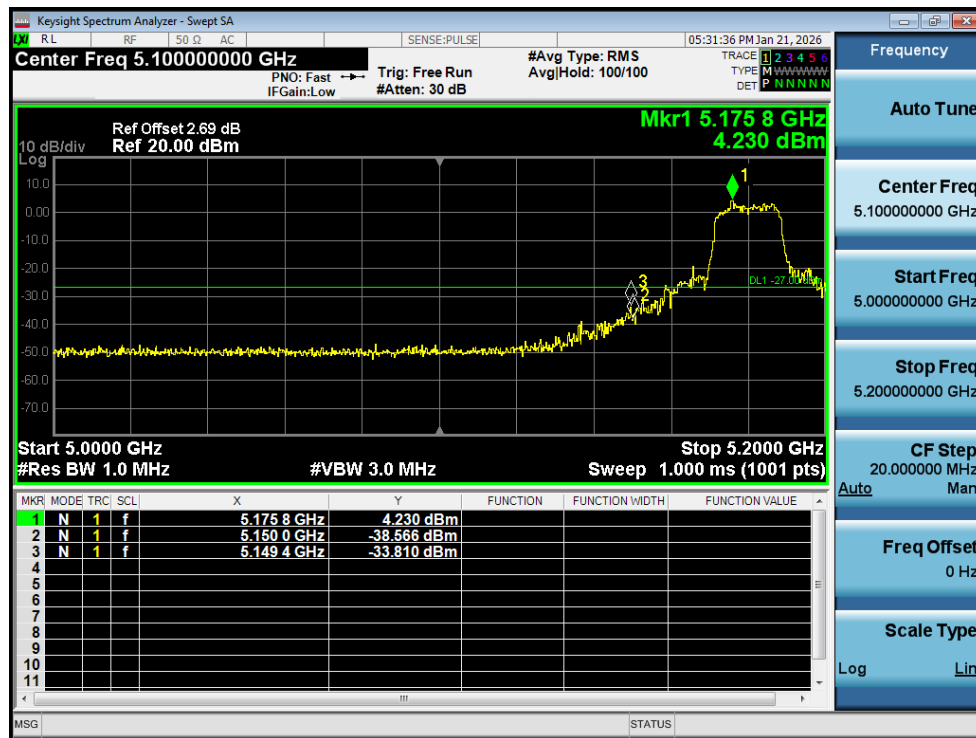
PSD NVNT n40 5190MHz Ant1



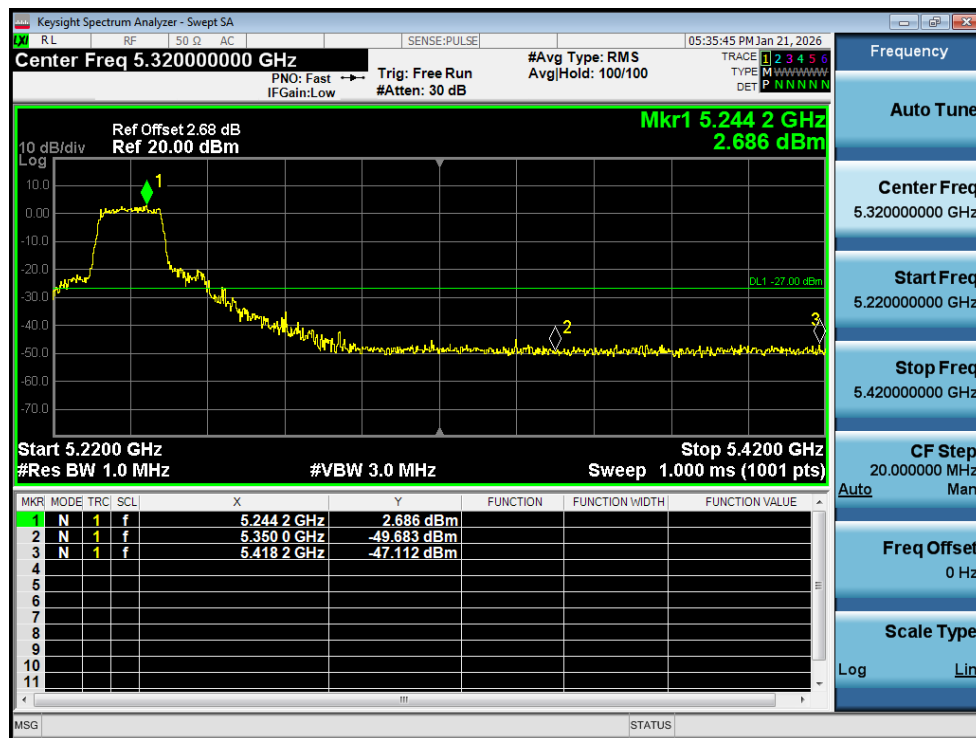
PSD NVNT n40 5230MHz Ant1

6. Band Edge

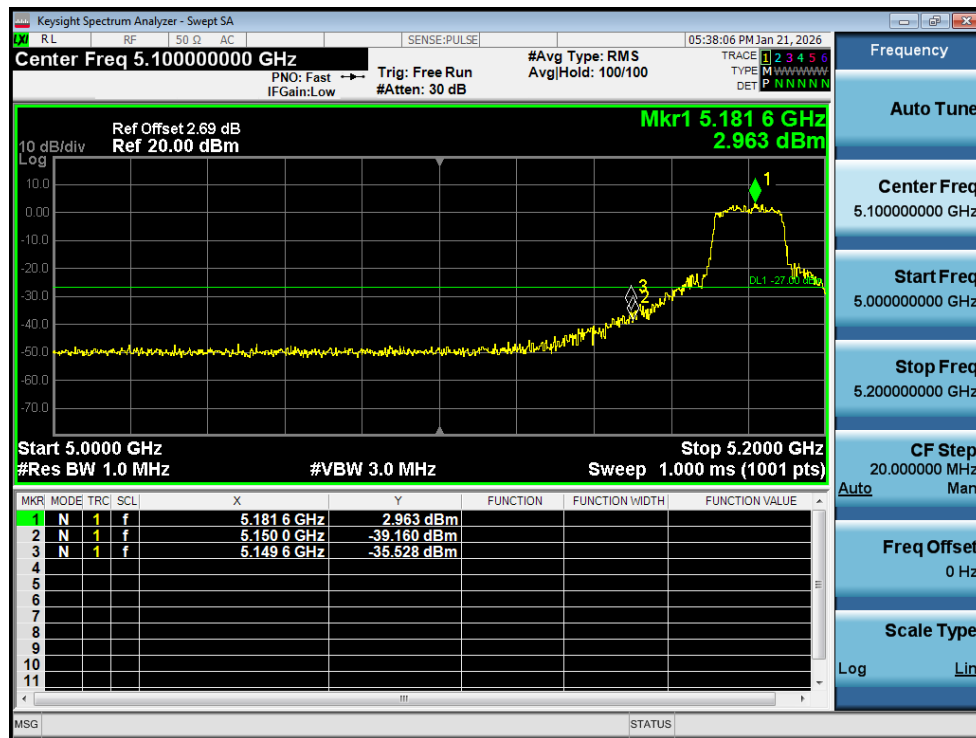
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-33.81	-27	Pass
NVNT	a	5240	Ant1	-47.11	-27	Pass
NVNT	n20	5180	Ant1	-35.52	-27	Pass
NVNT	n20	5240	Ant1	-46.51	-27	Pass
NVNT	n40	5190	Ant1	-29.17	-27	Pass
NVNT	n40	5230	Ant1	-45.82	-27	Pass



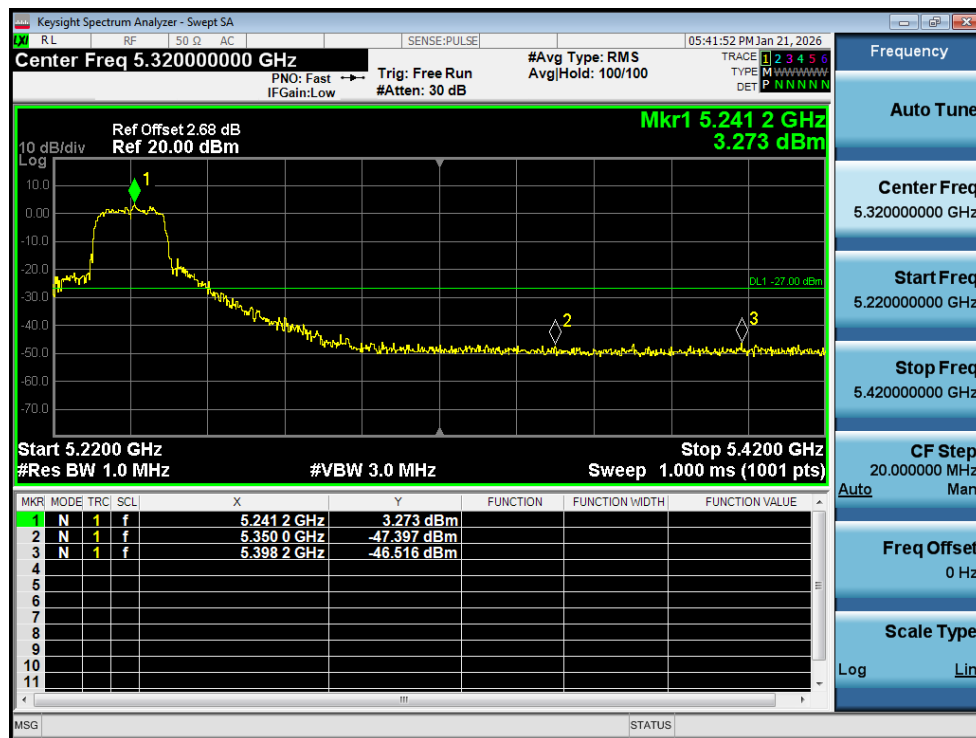
Band Edge NVNT a 5180MHz Low Ant1



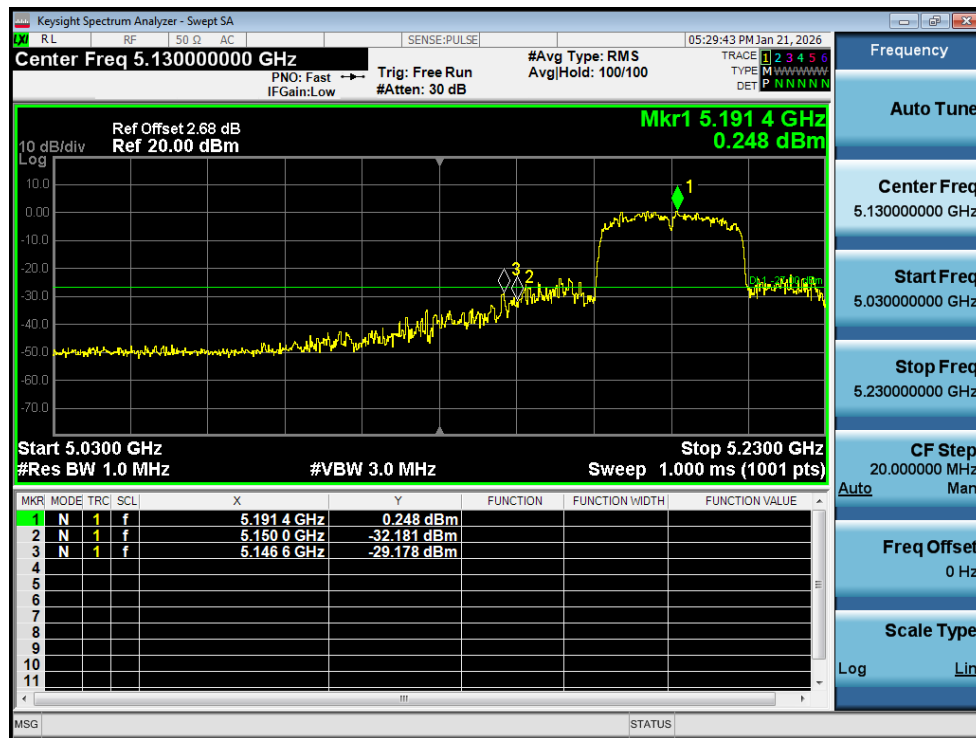
Band Edge NVNT a 5240MHz High Ant1



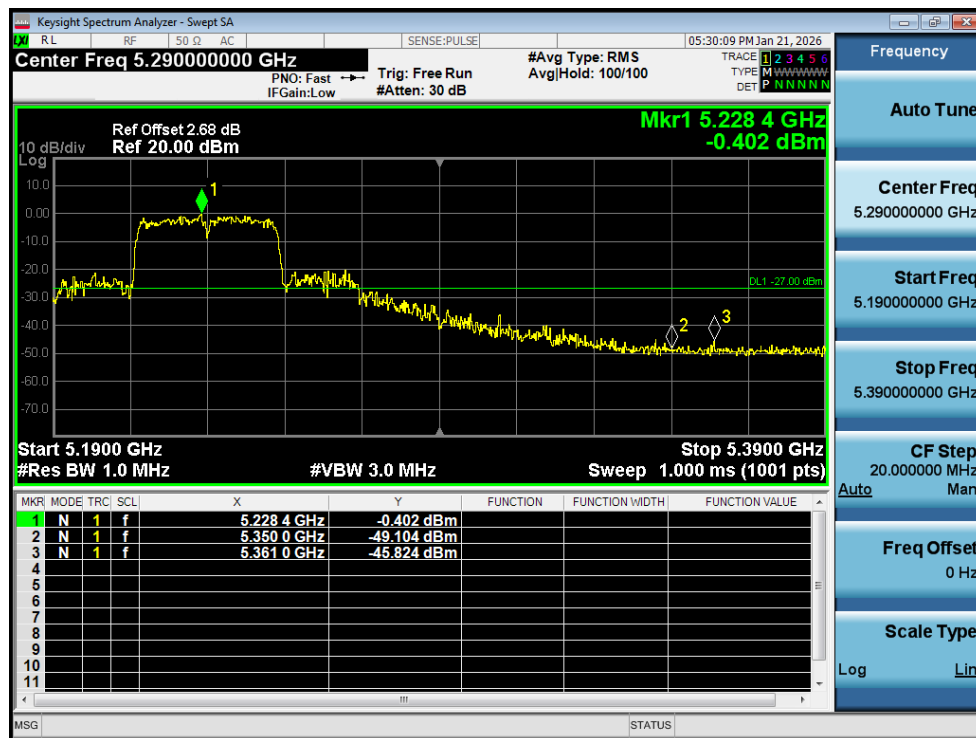
Band Edge NVNT n20 5180MHz Low Ant1



Band Edge NVNT n20 5240MHz High Ant1



Band Edge NVNT n40 5190MHz Low Ant1

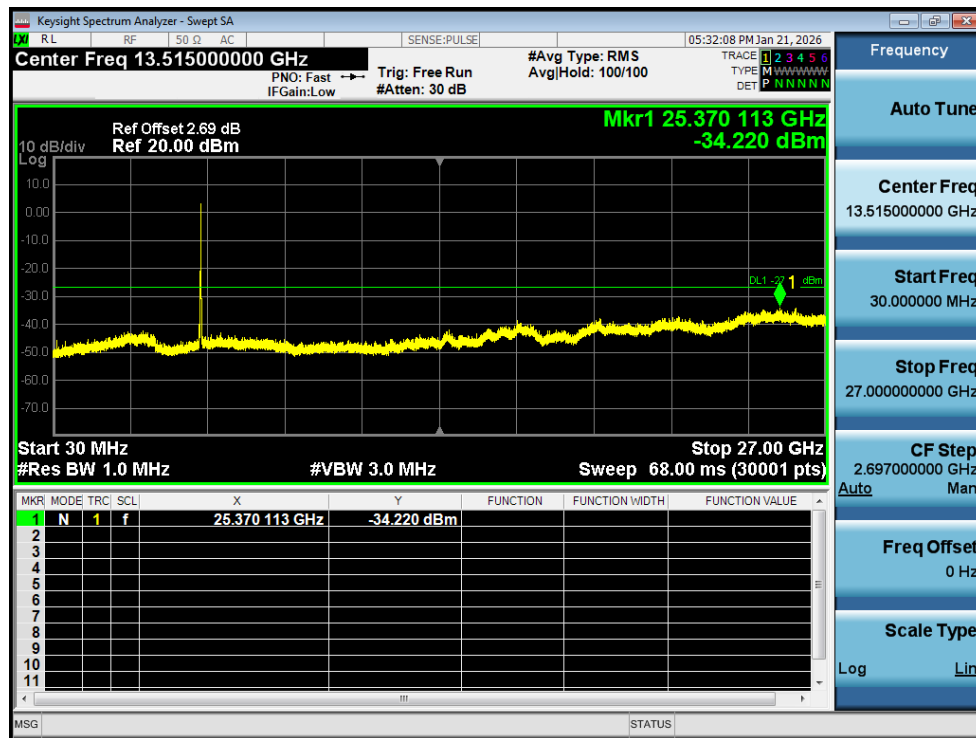


Band Edge NVNT n40 5230MHz High Ant1

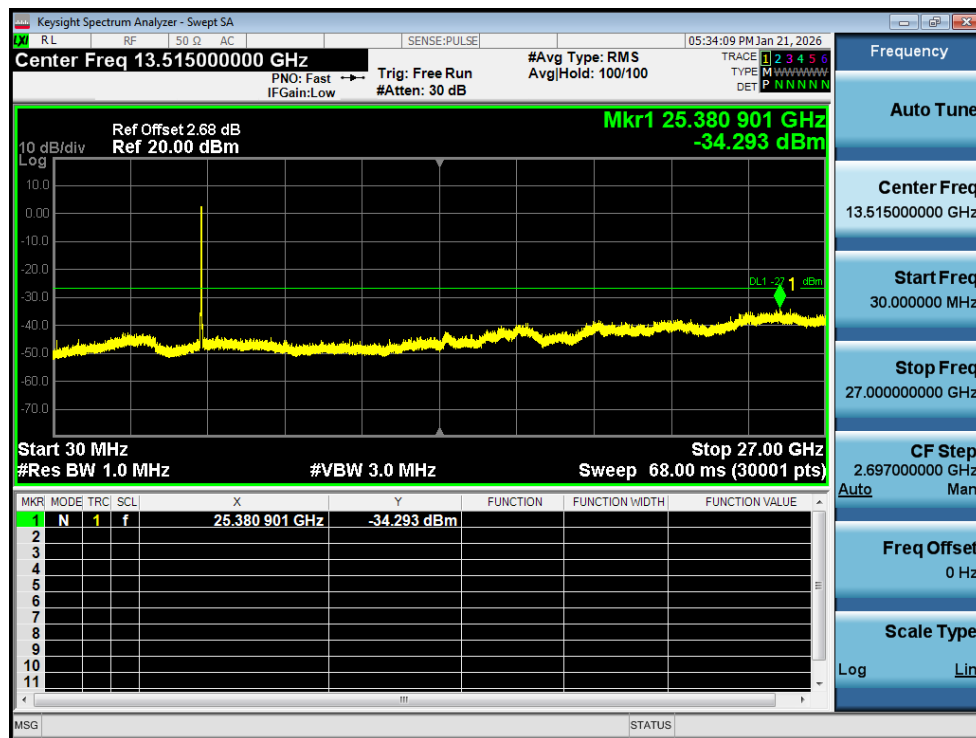
7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-34.21	-27	Pass
NVNT	a	5200	Ant1	-34.29	-27	Pass
NVNT	a	5240	Ant1	-34.55	-27	Pass
NVNT	n20	5180	Ant1	-34.53	-27	Pass
NVNT	n20	5200	Ant1	-33.31	-27	Pass
NVNT	n20	5240	Ant1	-34.36	-27	Pass
NVNT	n40	5190	Ant1	-34.38	-27	Pass
NVNT	n40	5230	Ant1	-34.22	-27	Pass

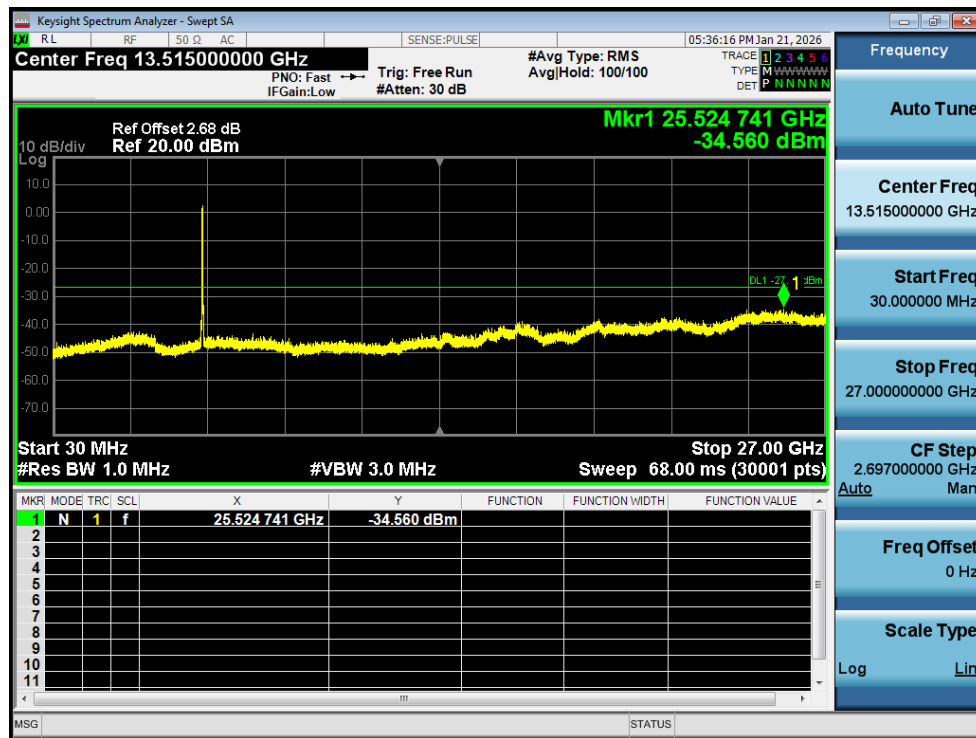
Note: Testing is carried out with frequency rang 30MHz to the 40GHz, above 27GHz not recorded for no spurious point have a margin of less than 20 dB with respect to the limits



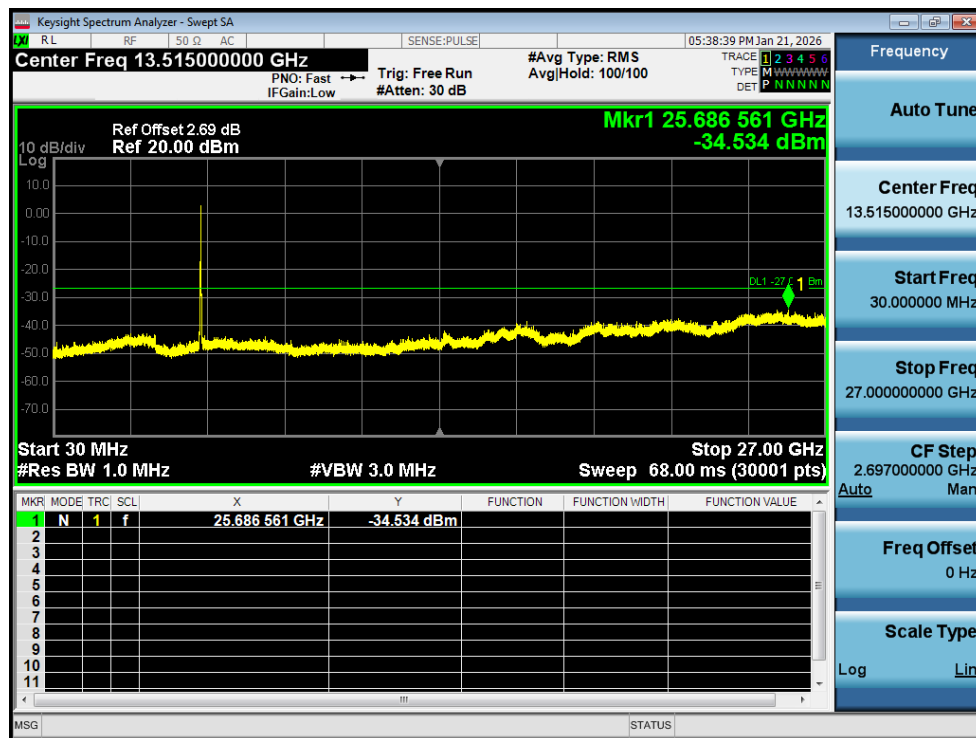
Tx. Spurious NVNT a 5180MHz Ant1 Emission



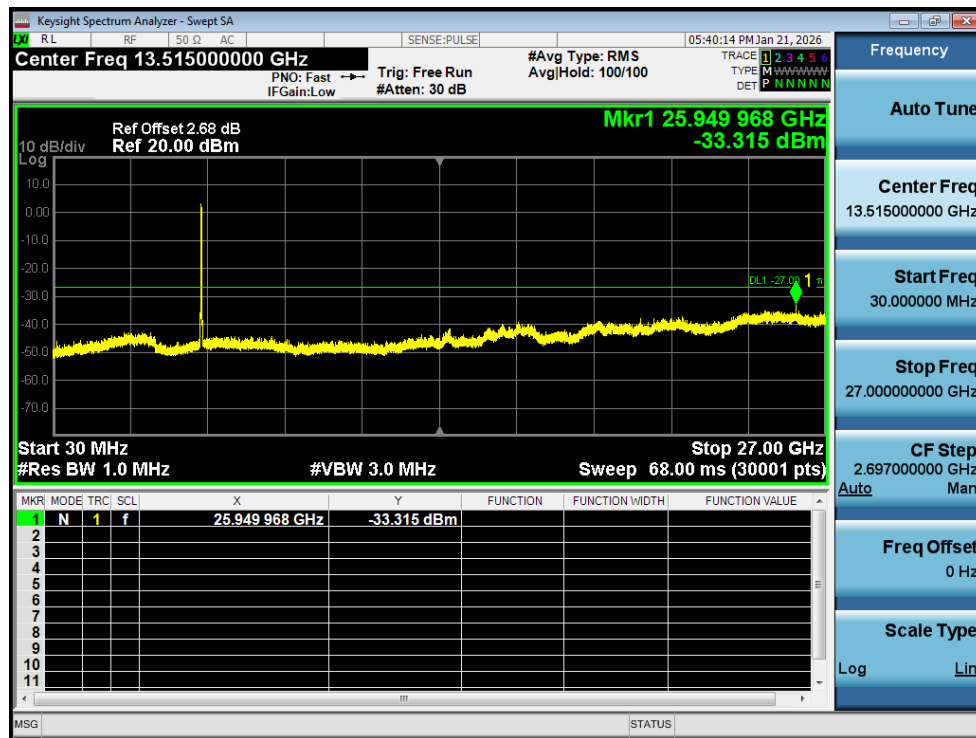
Tx. Spurious NVNT a 5200MHz Ant1 Emission



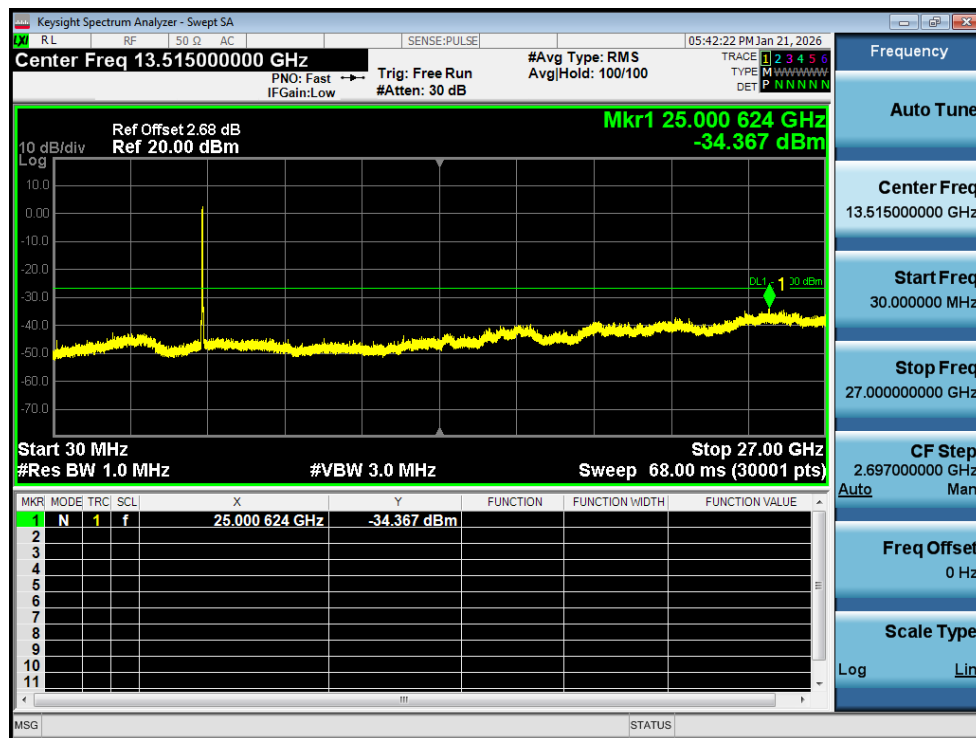
Tx. Spurious NVNT a 5240MHz Ant1 Emission



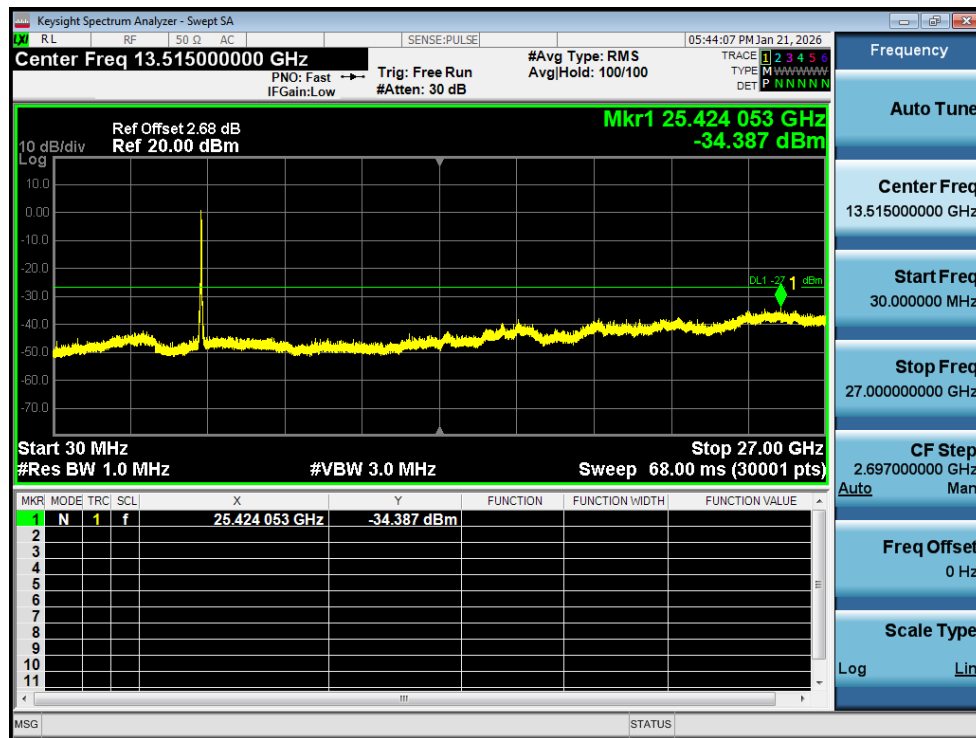
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



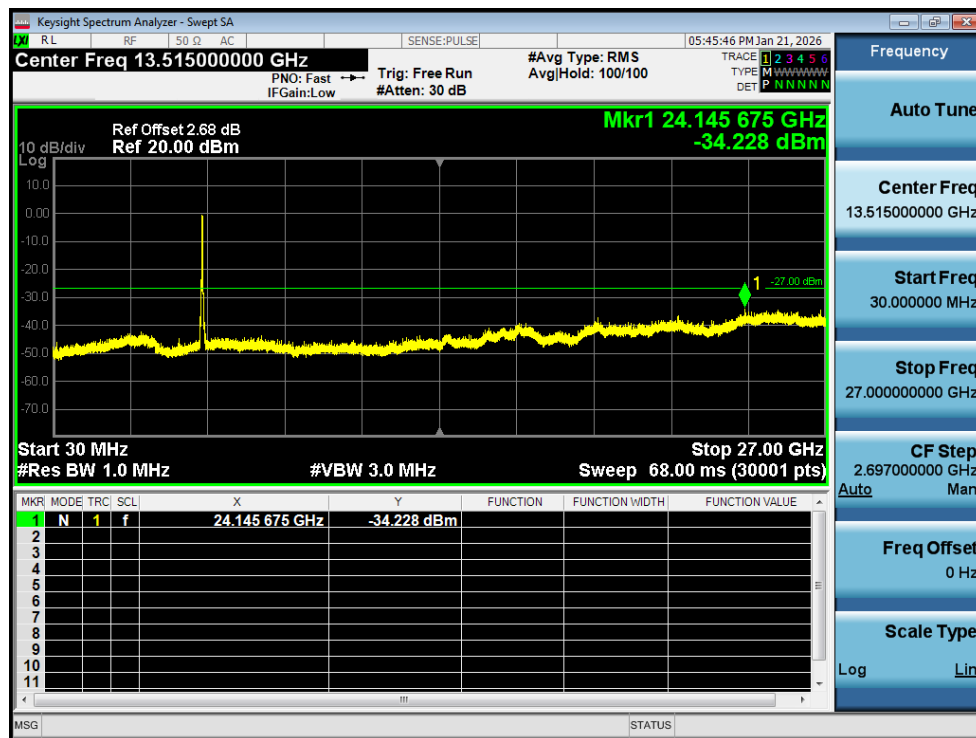
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



Tx. Spurious NVNT n20 5240MHz Ant1 Emission



Tx. Spurious NVNT n40 5190MHz Ant1 Emission



Tx. Spurious NVNT n40 5230MHz Ant1 Emission