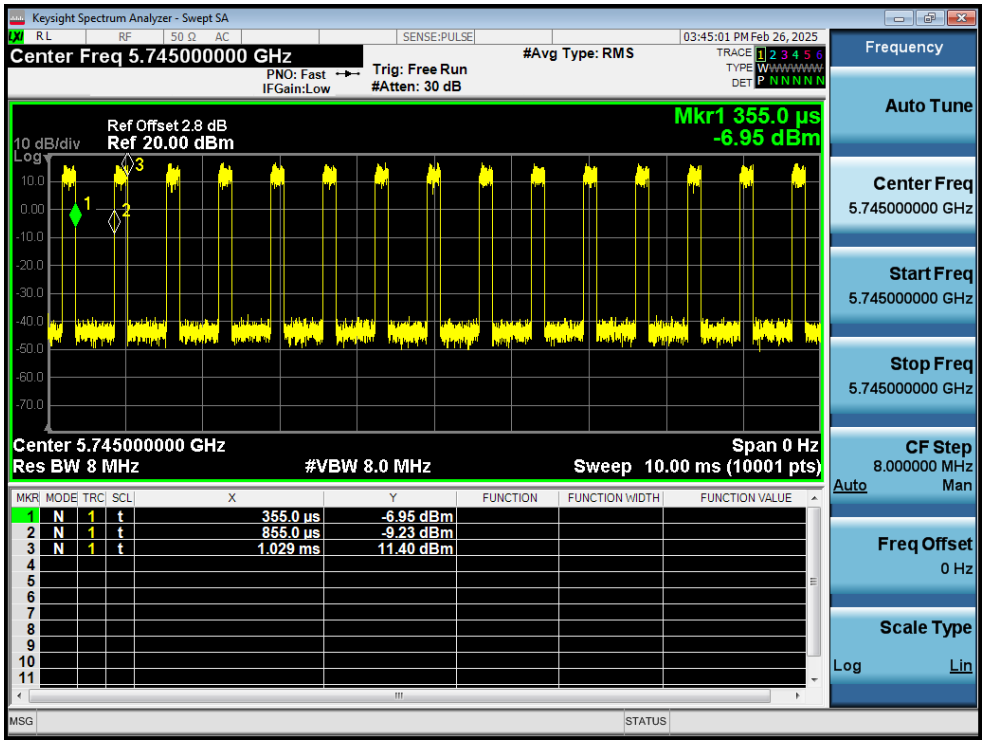
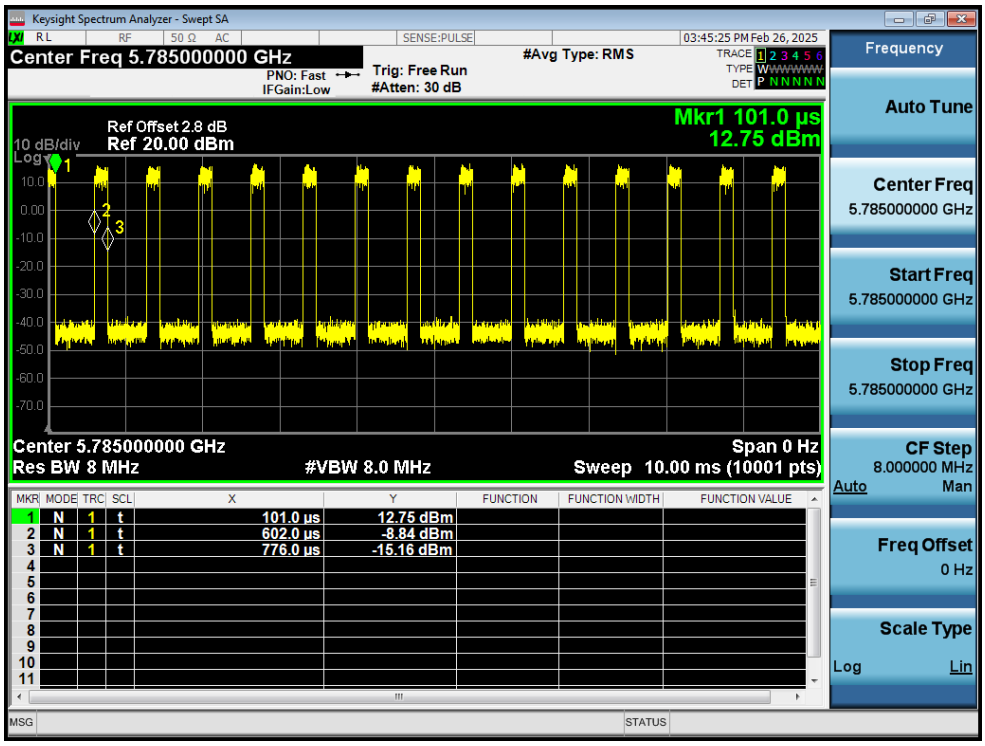
Test Data Appendix of Test Report

1. Duty Cycle

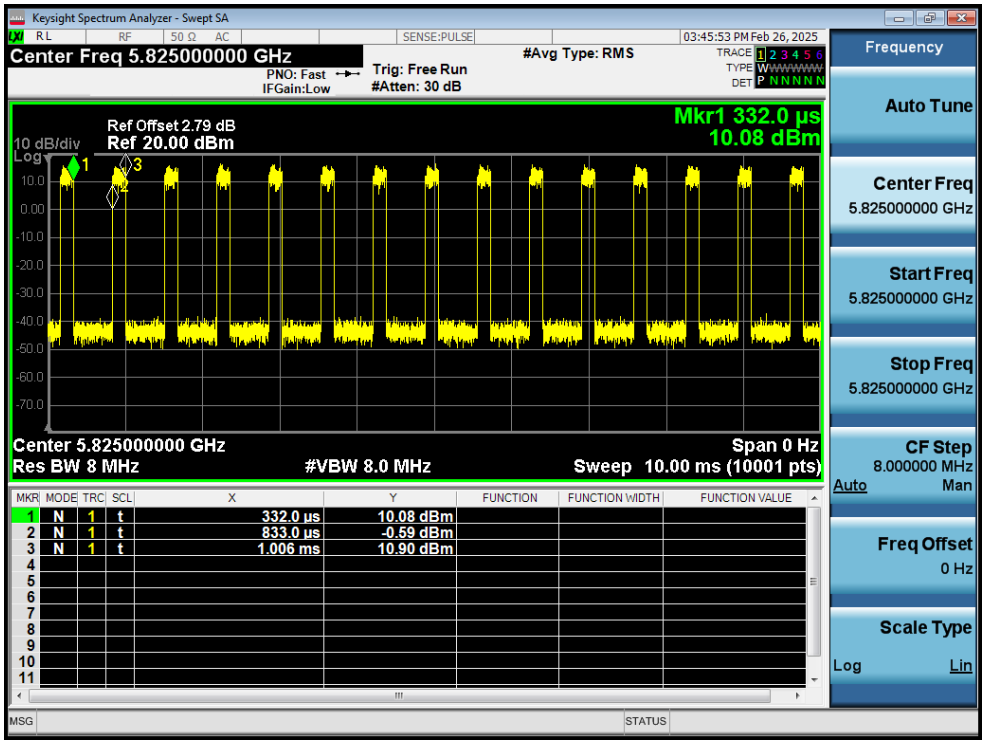
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	25.82	5.88	5.75
NVNT	a	5785	Ant1	25.78	5.89	5.75
NVNT	a	5825	Ant1	25.67	5.91	5.78
NVNT	n20	5745	Ant1	24.47	6.11	6.17
NVNT	n20	5785	Ant1	24.47	6.11	6.17
NVNT	n20	5825	Ant1	24.32	6.14	6.21
NVNT	n40	5755	Ant1	16.39	7.85	10.2
NVNT	n40	5795	Ant1	16.36	7.86	10.2
NVNT	ac20	5745	Ant1	56.97	2.44	1.51
NVNT	ac20	5785	Ant1	56.92	2.45	1.51
NVNT	ac20	5825	Ant1	56.97	2.44	1.51
NVNT	ac40	5755	Ant1	40.62	3.91	2.92
NVNT	ac40	5795	Ant1	40.62	3.91	2.92



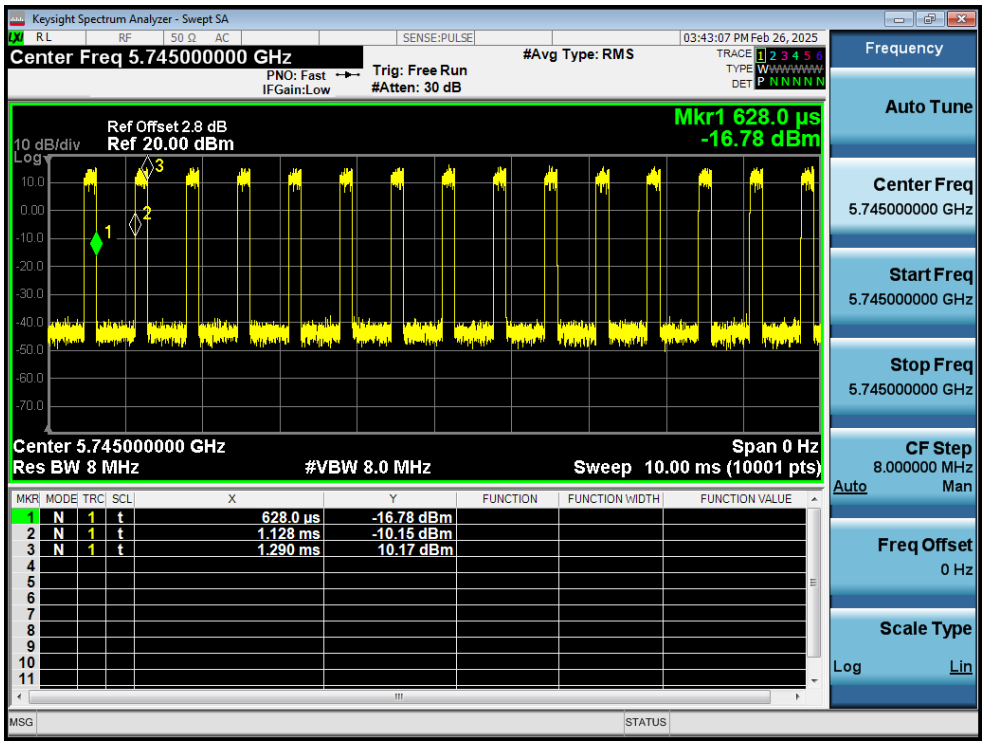
Duty Cycle NVNT a 5745MHz Ant1



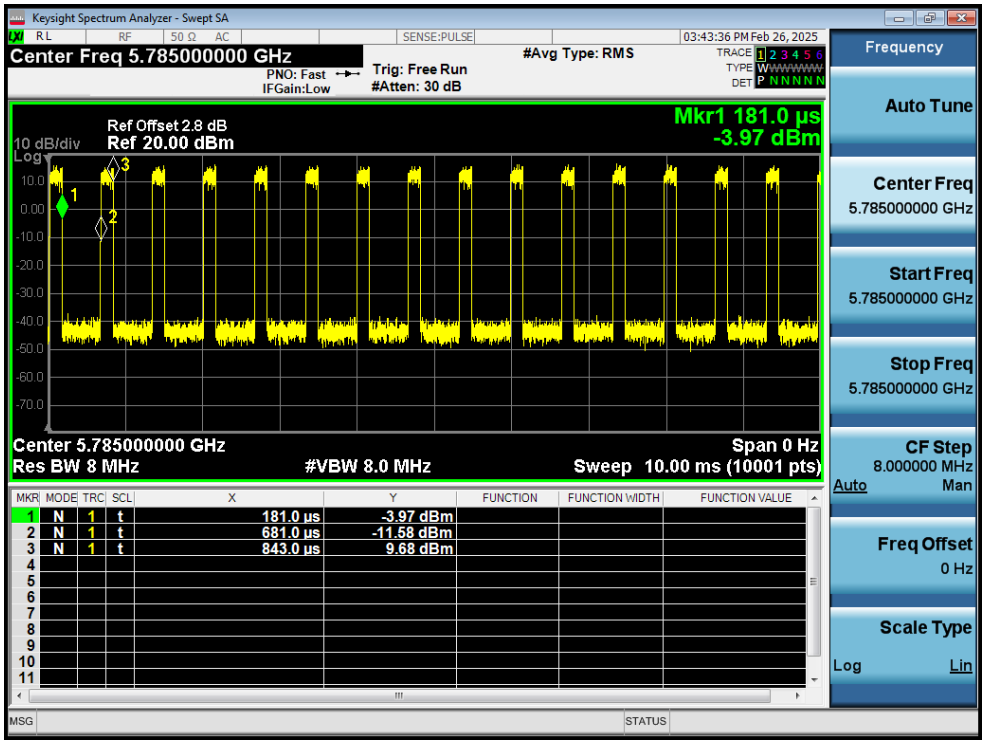
Duty Cycle NVNT a 5785MHz Ant1



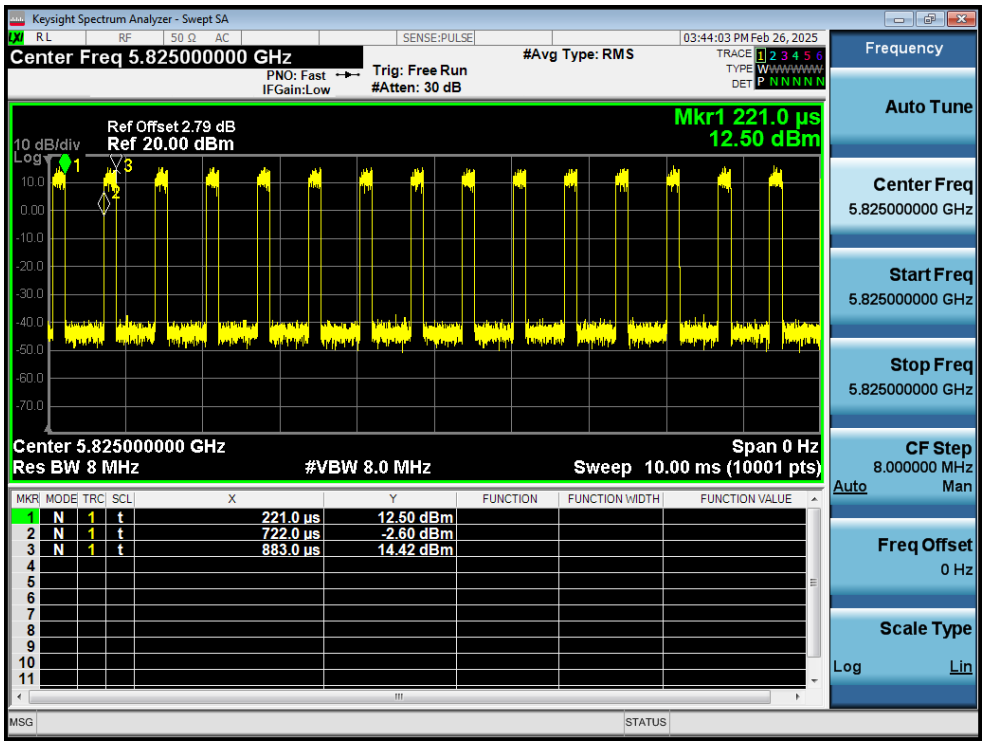
Duty Cycle NVNT a 5825MHz Ant1



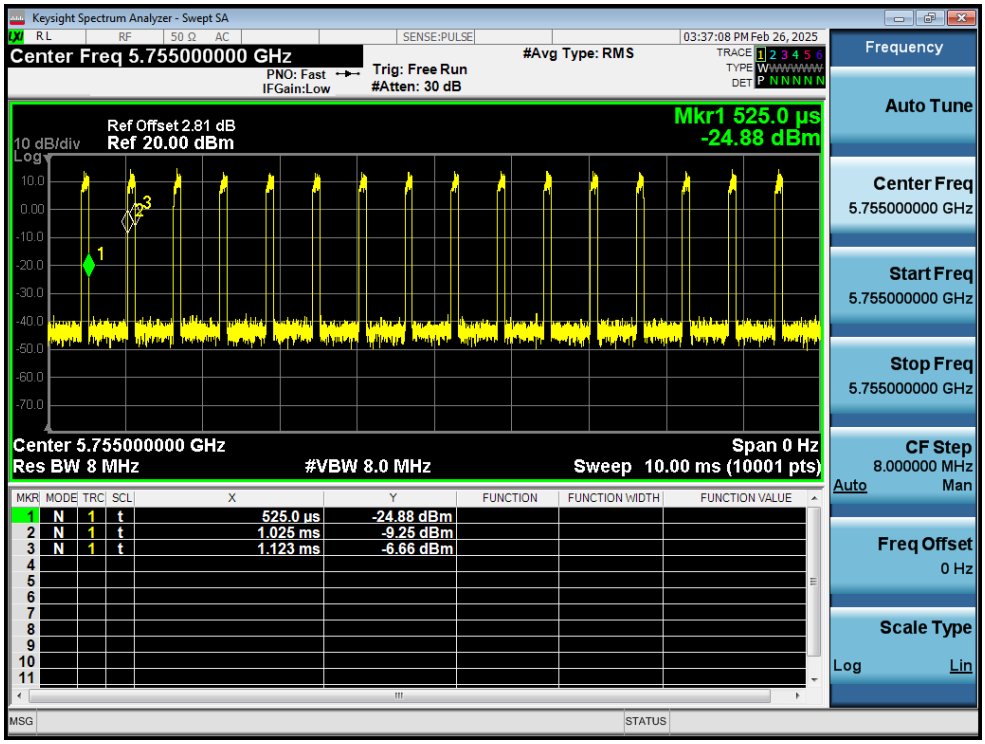
Duty Cycle NVNT n20 5745MHz Ant1



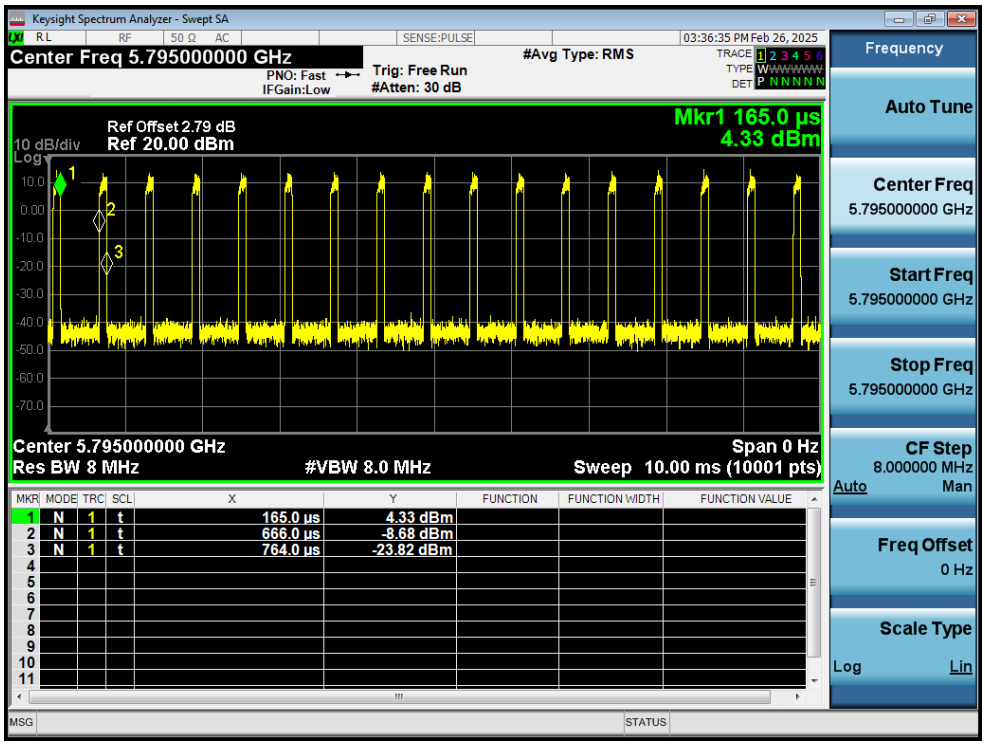
Duty Cycle NVNT n20 5785MHz Ant1



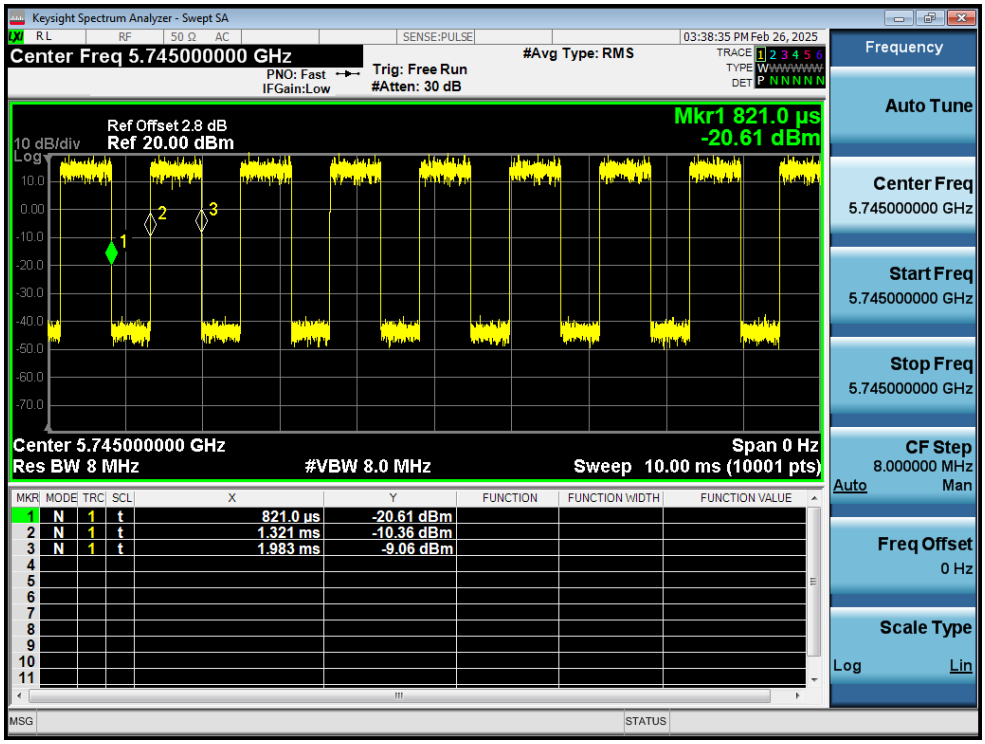
Duty Cycle NVNT n20 5825MHz Ant1



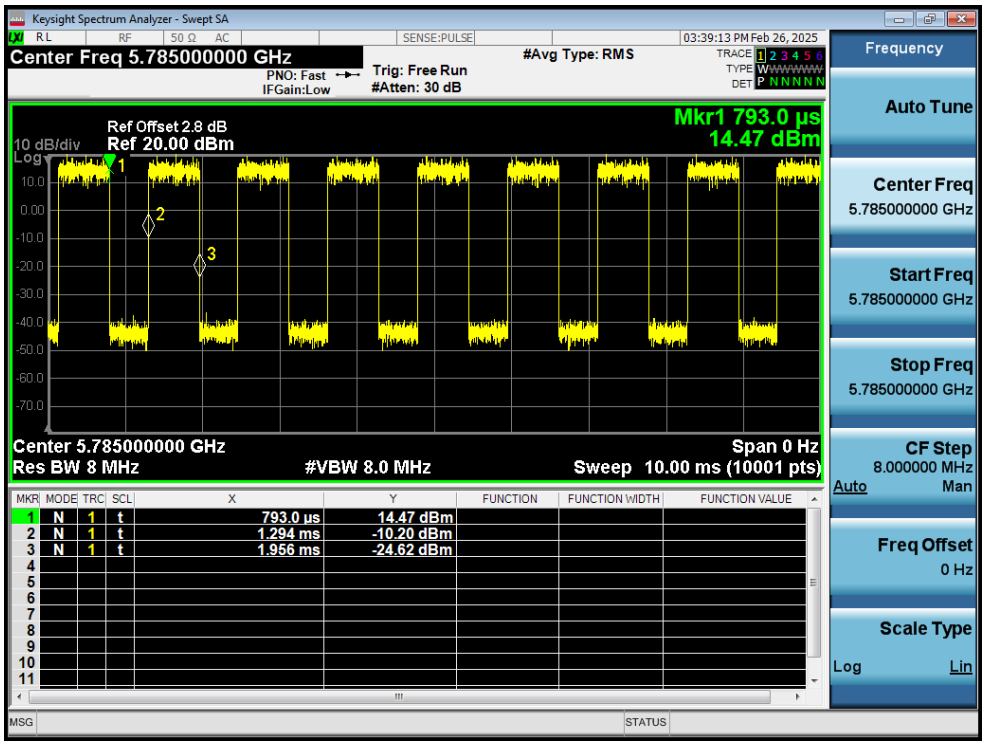
Duty Cycle NVNT n40 5755MHz Ant1



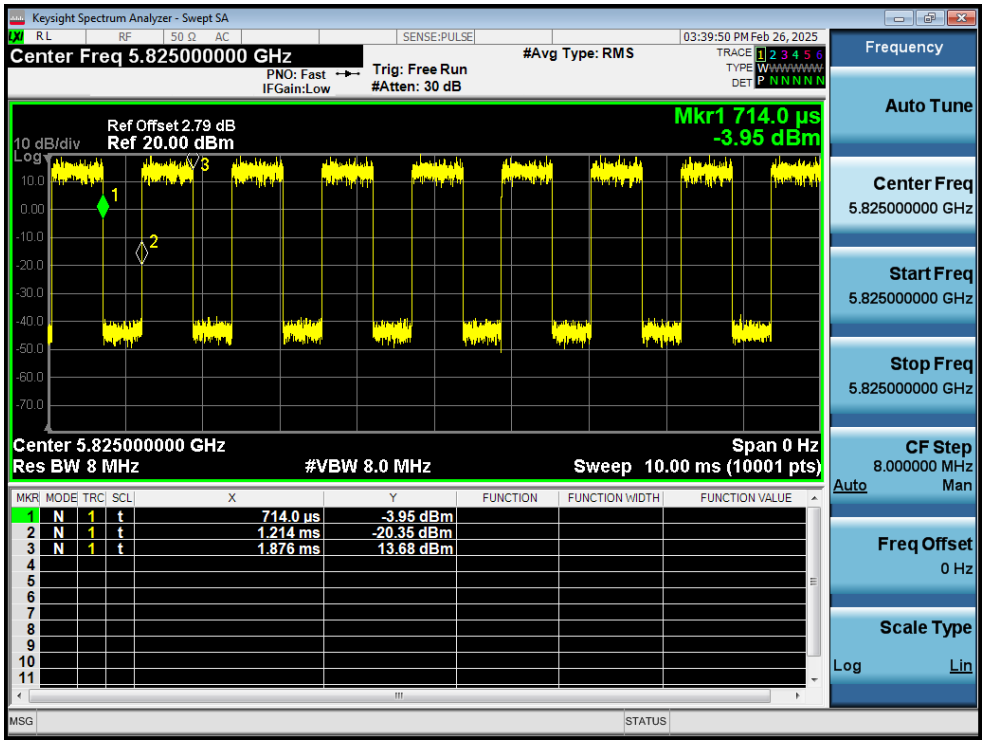
Duty Cycle NVNT n40 5795MHz Ant1



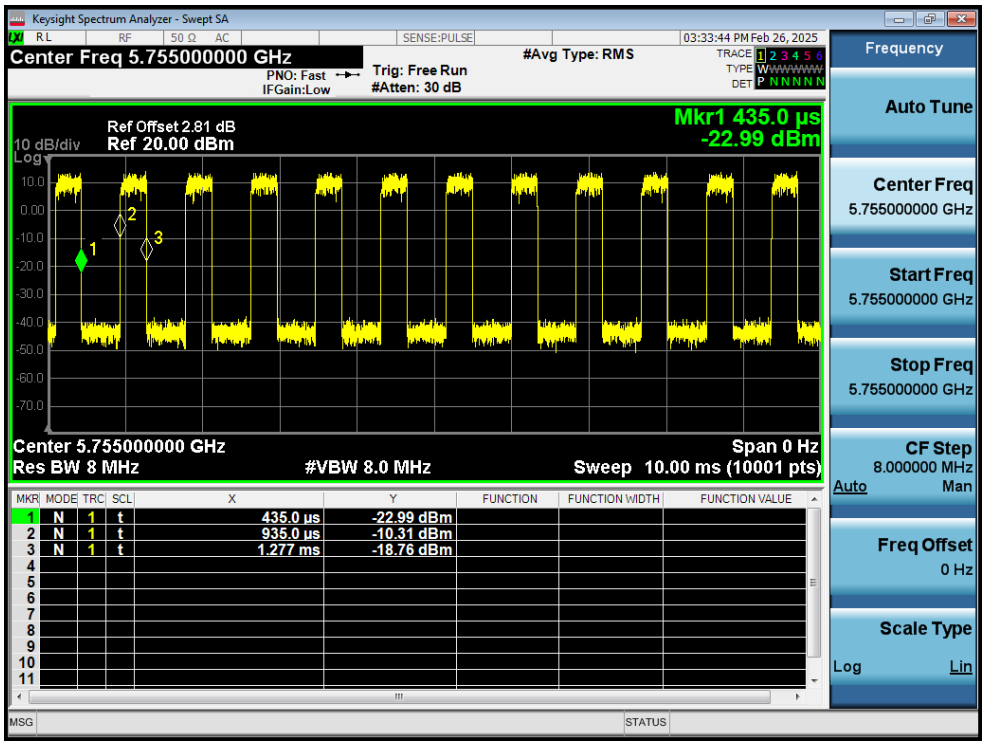
Duty Cycle NVNT ac20 5745MHz Ant1



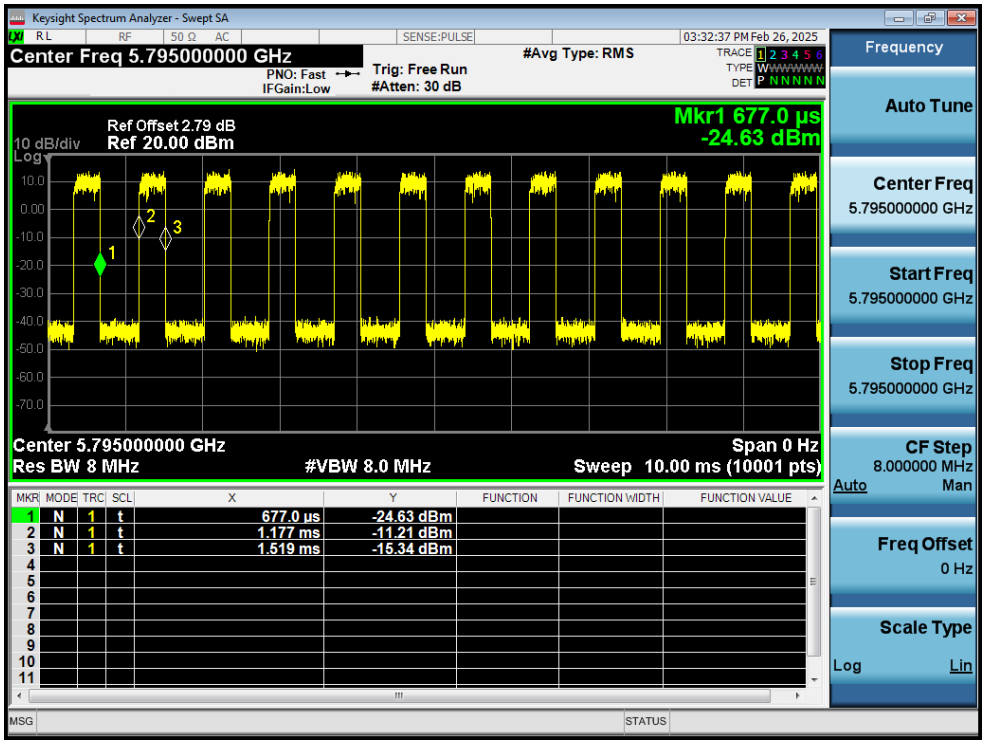
Duty Cycle NVNT ac20 5785MHz Ant1



Duty Cycle NVNT ac20 5825MHz Ant1



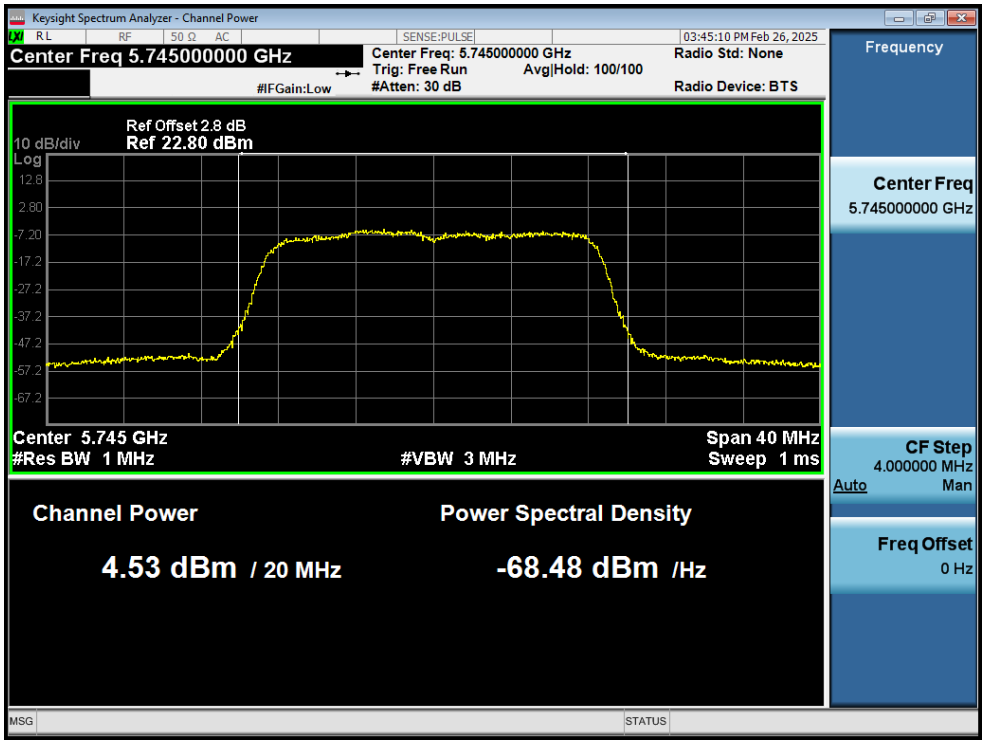
Duty Cycle NVNT ac40 5755MHz Ant1



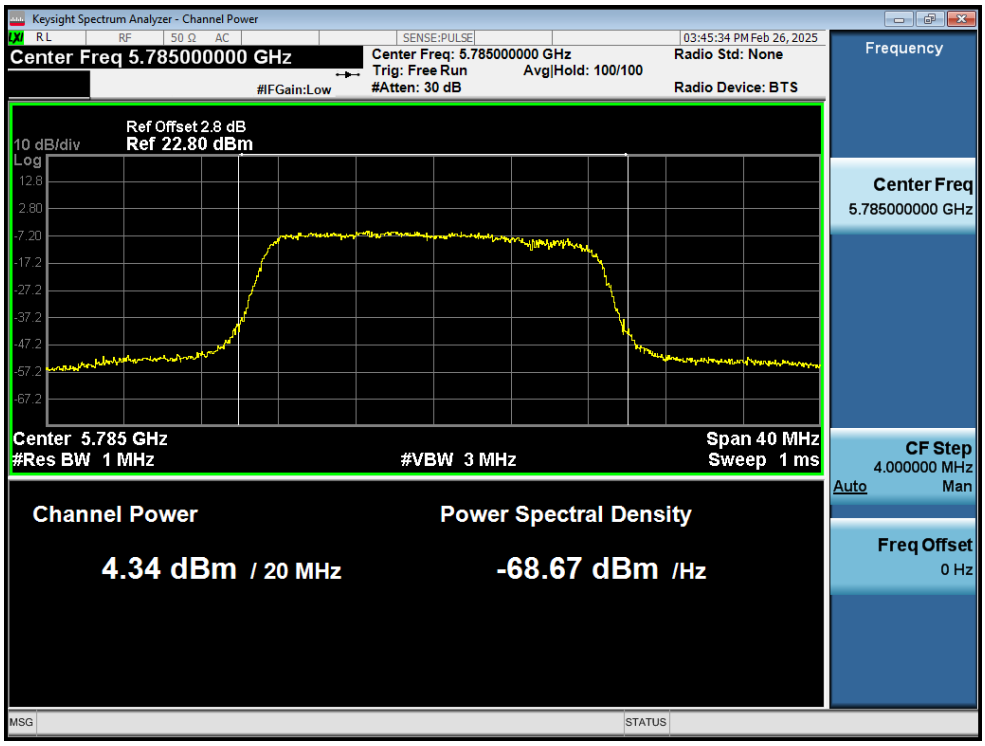
Duty Cycle NVNT ac40 5795MHz Ant1

2. Maximum Conducted Output Power

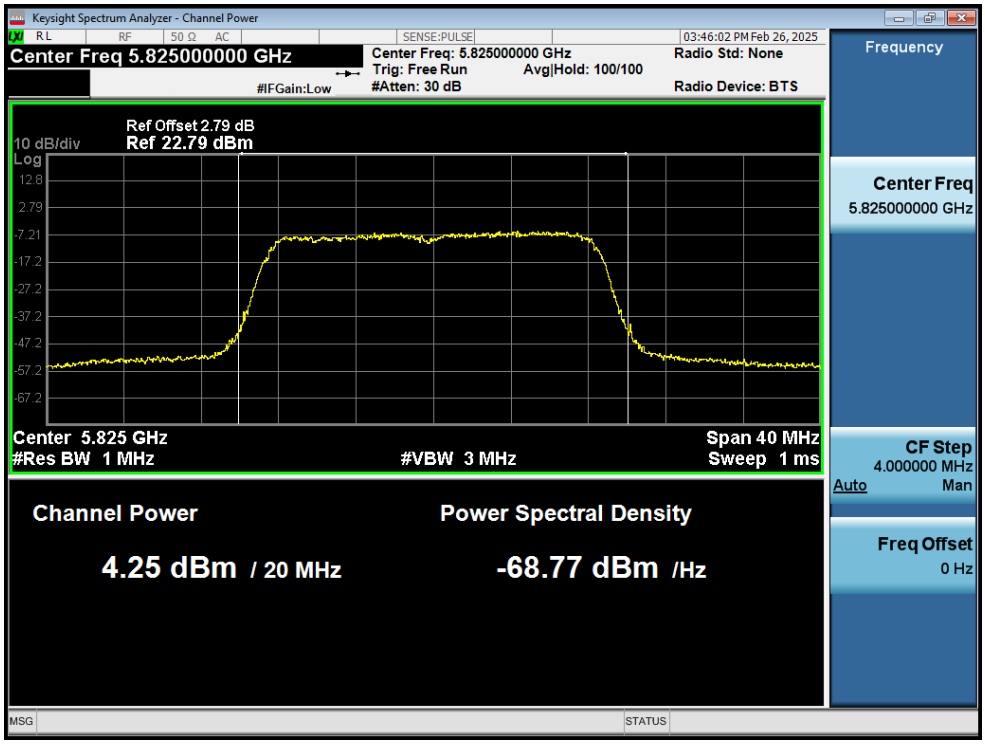
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	4.53	5.88	10.41	30	Pass
NVNT	a	5785	Ant1	4.34	5.89	10.23	30	Pass
NVNT	a	5825	Ant1	4.25	5.91	10.16	30	Pass
NVNT	n20	5745	Ant1	3.84	6.11	9.95	30	Pass
NVNT	n20	5785	Ant1	3.98	6.11	10.09	30	Pass
NVNT	n20	5825	Ant1	3.4	6.14	9.54	30	Pass
NVNT	n40	5755	Ant1	4.4	7.85	12.25	30	Pass
NVNT	n40	5795	Ant1	3.45	7.86	11.31	30	Pass
NVNT	ac20	5745	Ant1	9.69	2.44	12.13	30	Pass
NVNT	ac20	5785	Ant1	10.3	2.45	12.75	30	Pass
NVNT	ac20	5825	Ant1	9.48	2.44	11.92	30	Pass
NVNT	ac40	5755	Ant1	7.69	3.91	11.6	30	Pass
NVNT	ac40	5795	Ant1	7.58	3.91	11.49	30	Pass



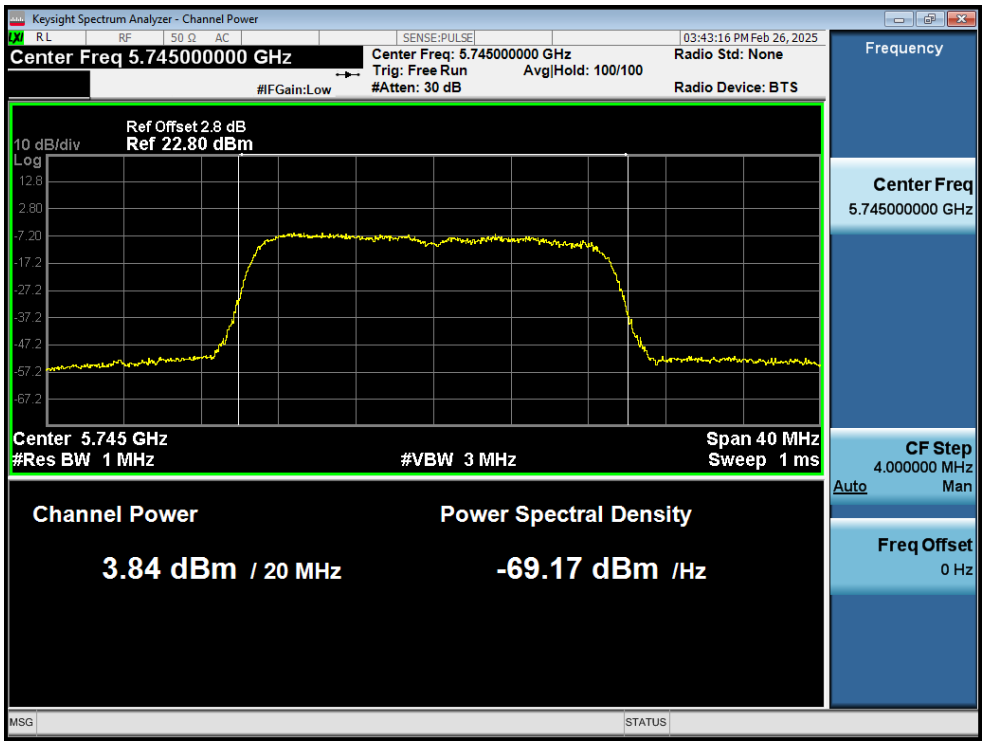
Power NVNT a 5745MHz Ant1



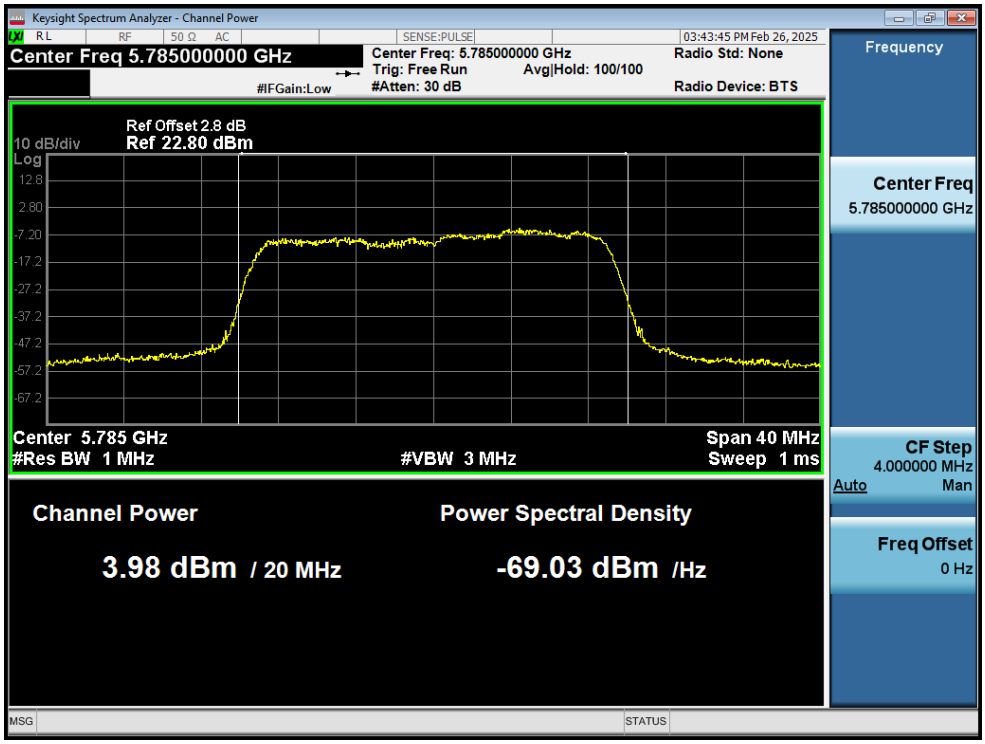
Power NVNT a 5785MHz Ant1



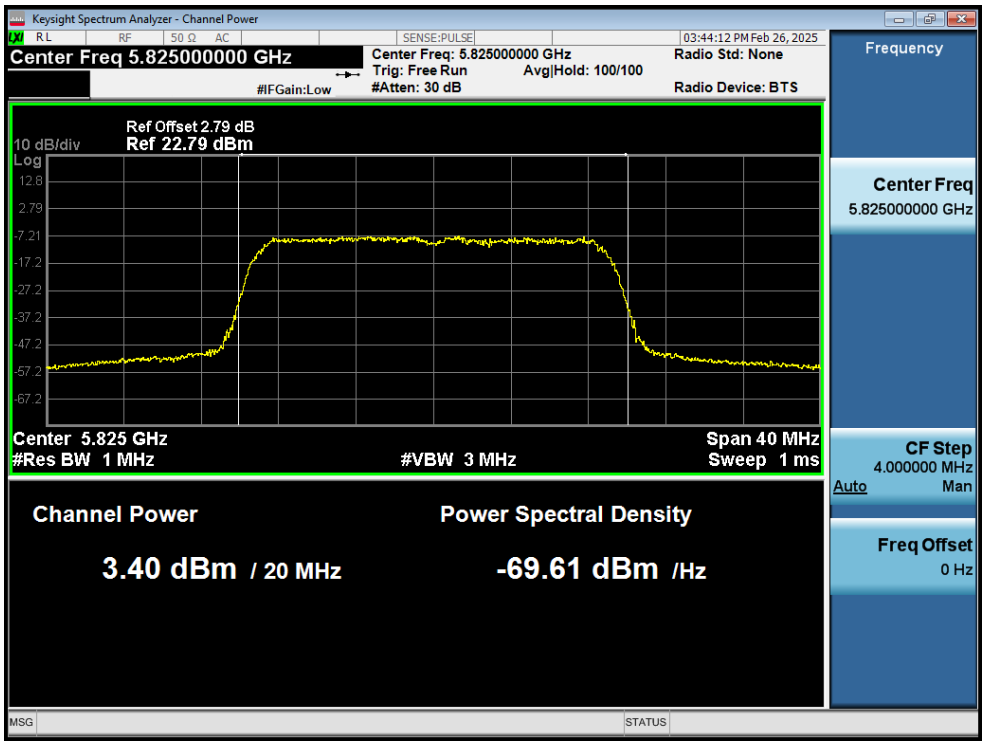
Power NVNT a 5825MHz Ant1



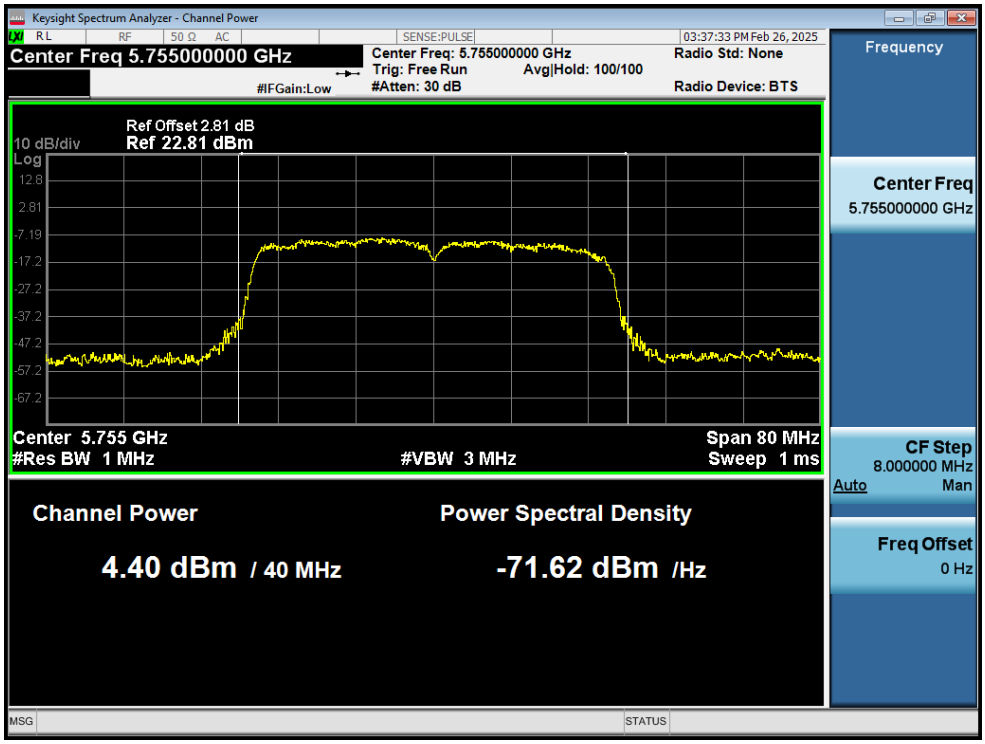
Power NVNT n20 5745MHz Ant1



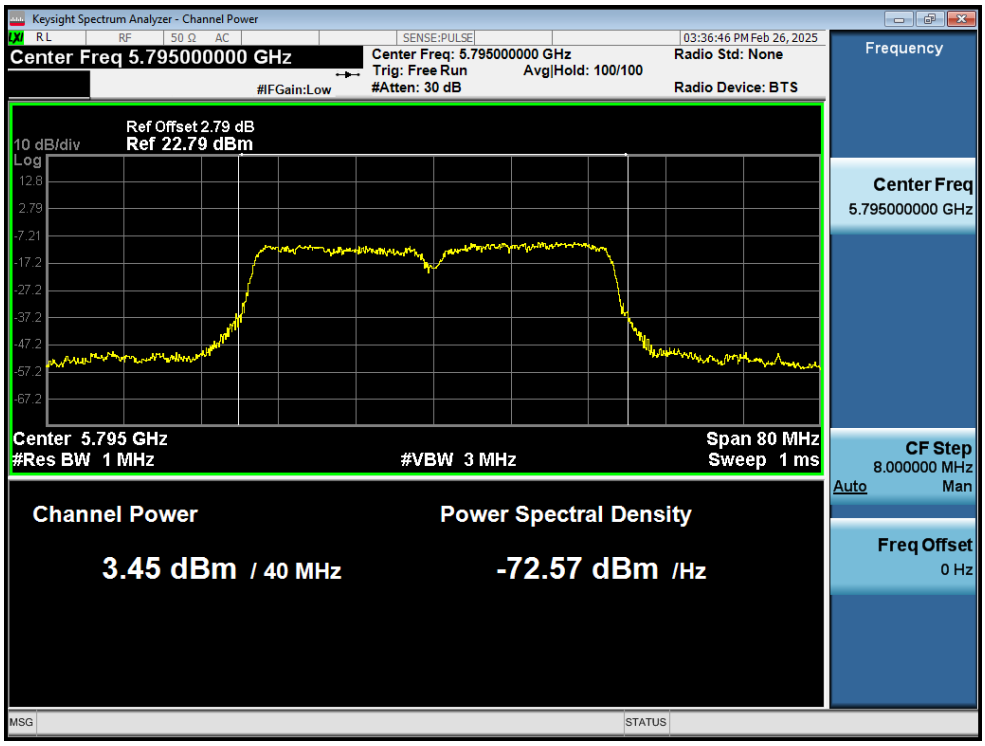
Power NVNT n20 5785MHz Ant1



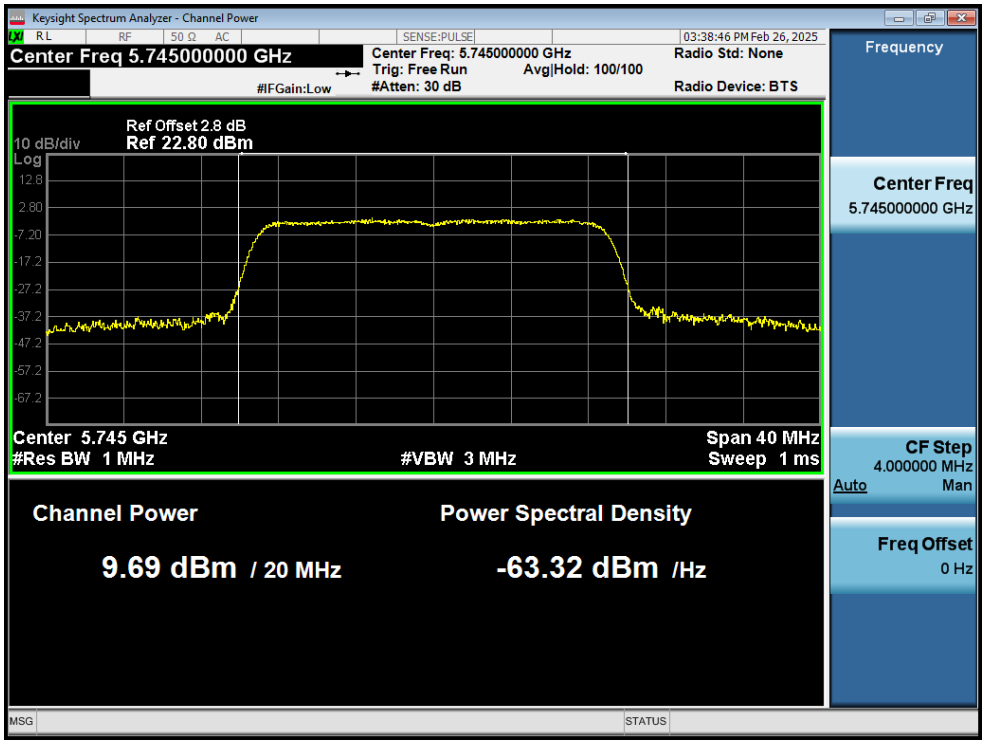
Power NVNT n20 5825MHz Ant1



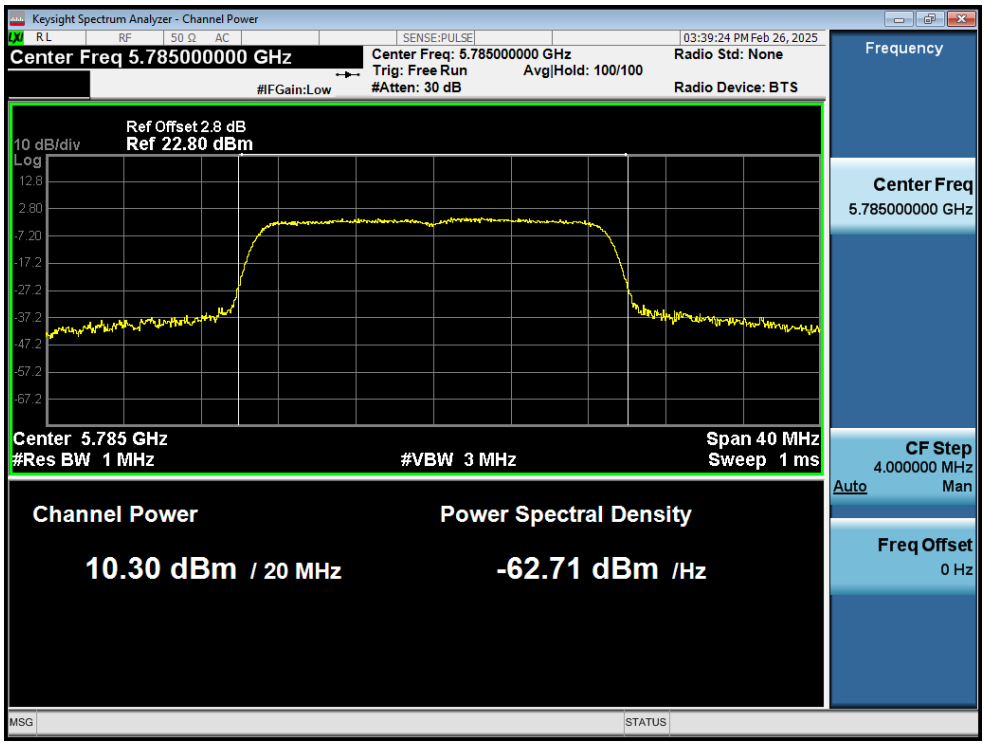
Power NVNT n40 5755MHz Ant1



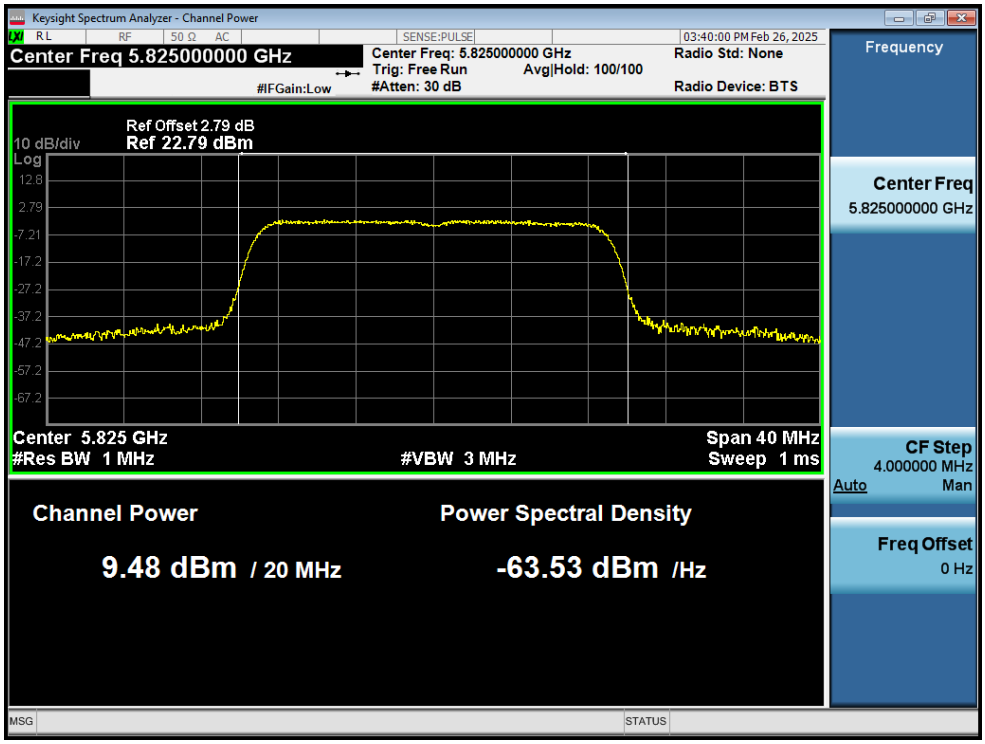
Power NVNT n40 5795MHz Ant1



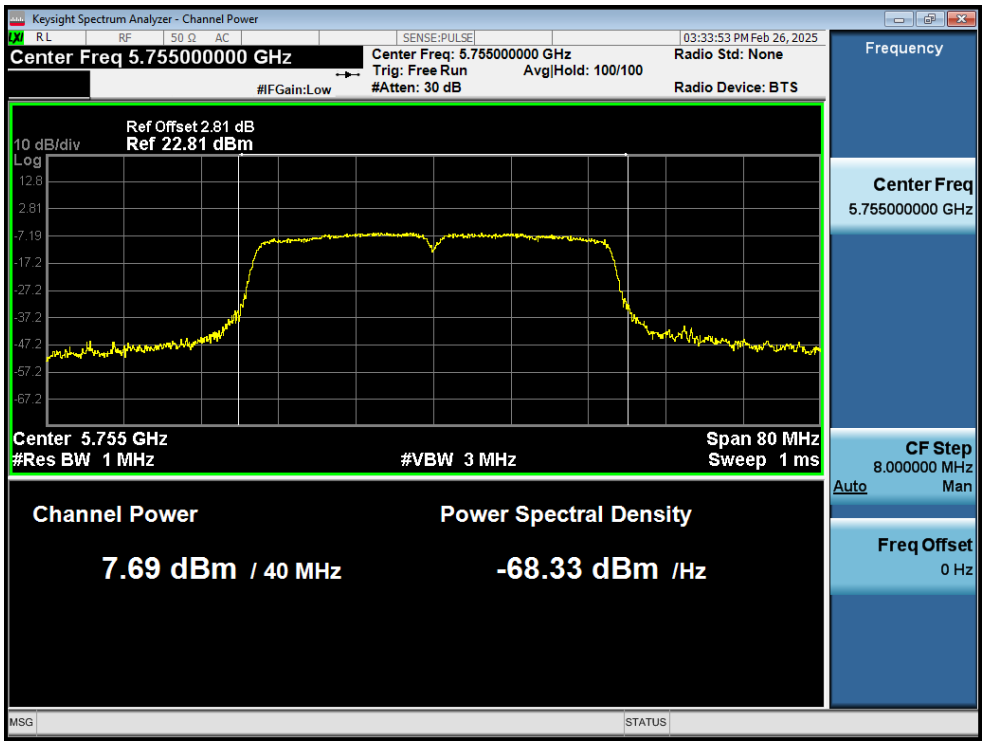
Power NVNT ac20 5745MHz Ant1



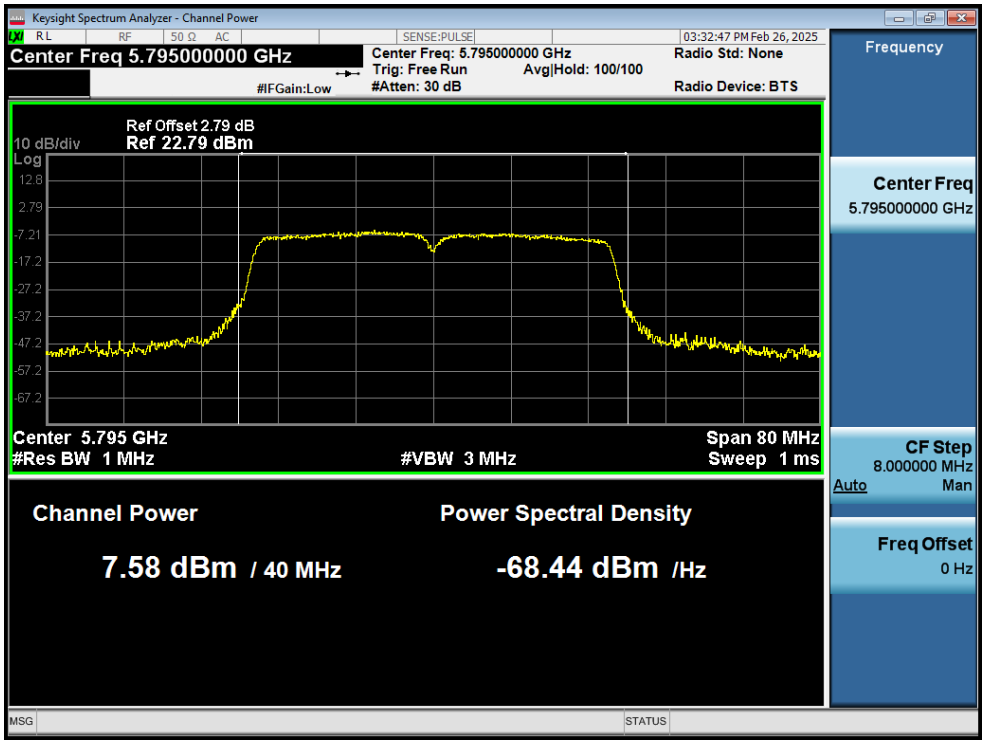
Power NVNT ac20 5785MHz Ant1



Power NVNT ac20 5825MHz Ant1



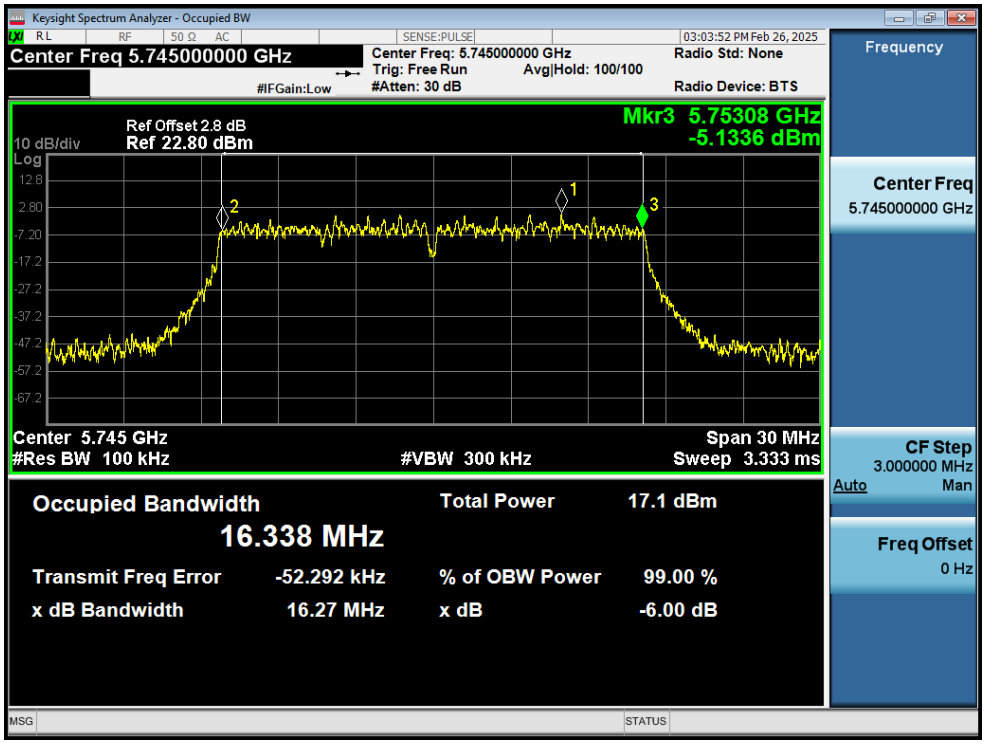
Power NVNT ac40 5755MHz Ant1



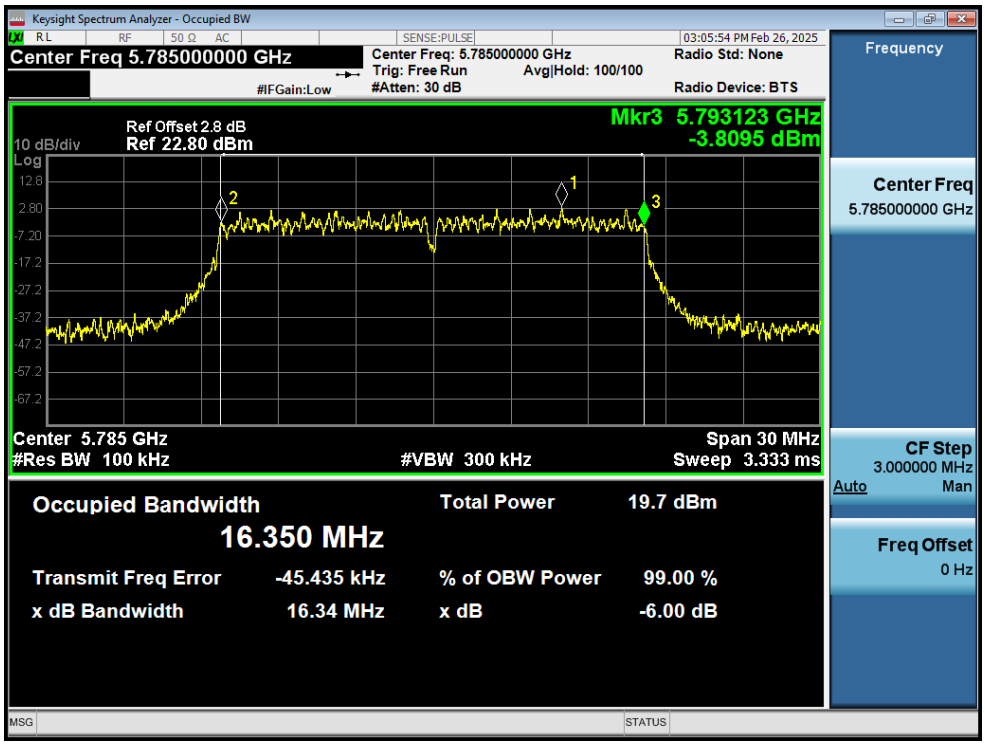
Power NVNT ac40 5795MHz Ant1

3. -6dB Bandwidth

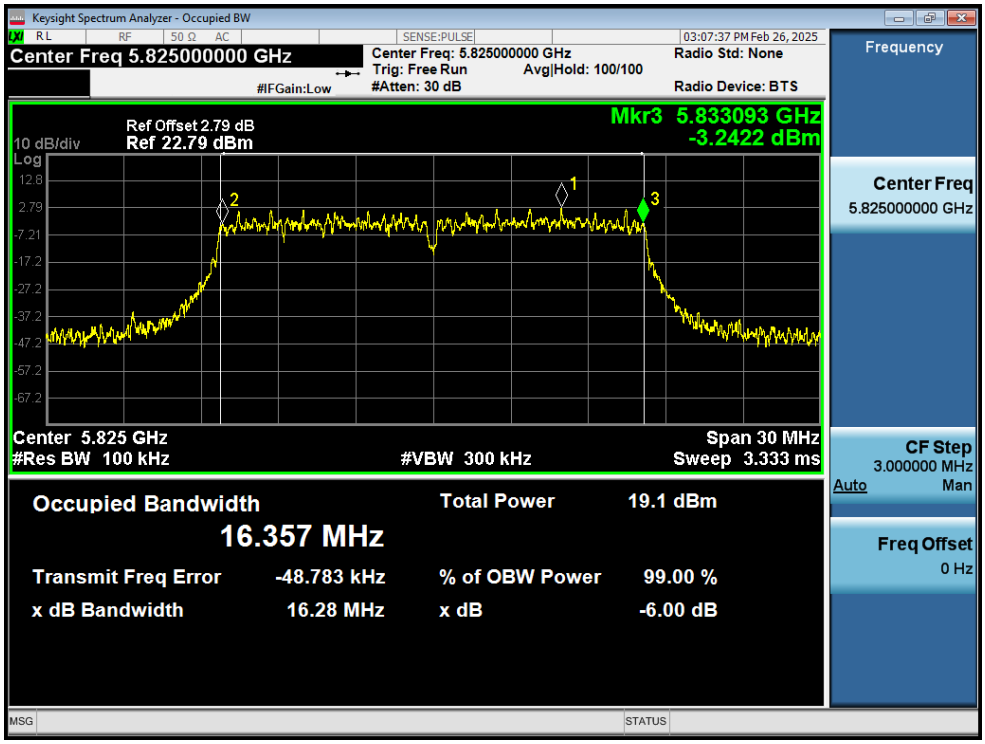
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.265	0.5	Pass
NVNT	a	5785	Ant1	16.337	0.5	Pass
NVNT	a	5825	Ant1	16.283	0.5	Pass
NVNT	n20	5745	Ant1	17.37	0.5	Pass
NVNT	n20	5785	Ant1	17.389	0.5	Pass
NVNT	n20	5825	Ant1	17.475	0.5	Pass
NVNT	n40	5755	Ant1	35.059	0.5	Pass
NVNT	n40	5795	Ant1	35.135	0.5	Pass
NVNT	ac20	5745	Ant1	17.541	0.5	Pass
NVNT	ac20	5785	Ant1	16.947	0.5	Pass
NVNT	ac20	5825	Ant1	16.928	0.5	Pass
NVNT	ac40	5755	Ant1	35.064	0.5	Pass
NVNT	ac40	5795	Ant1	35.341	0.5	Pass



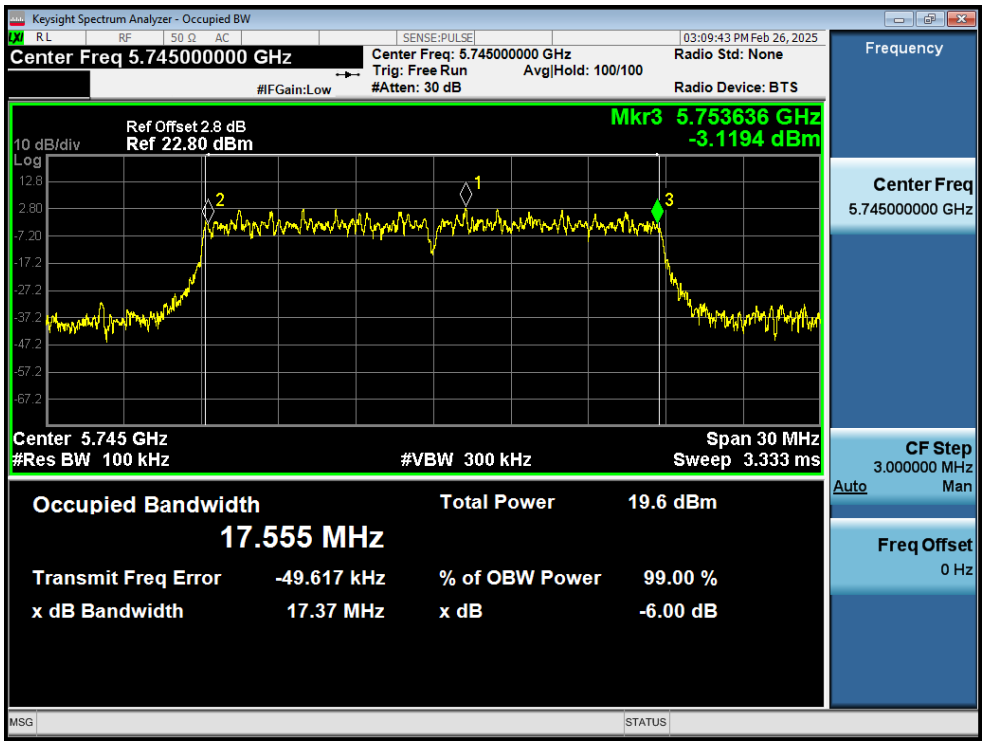
-6dB Bandwidth NVNT a 5745MHz Ant1



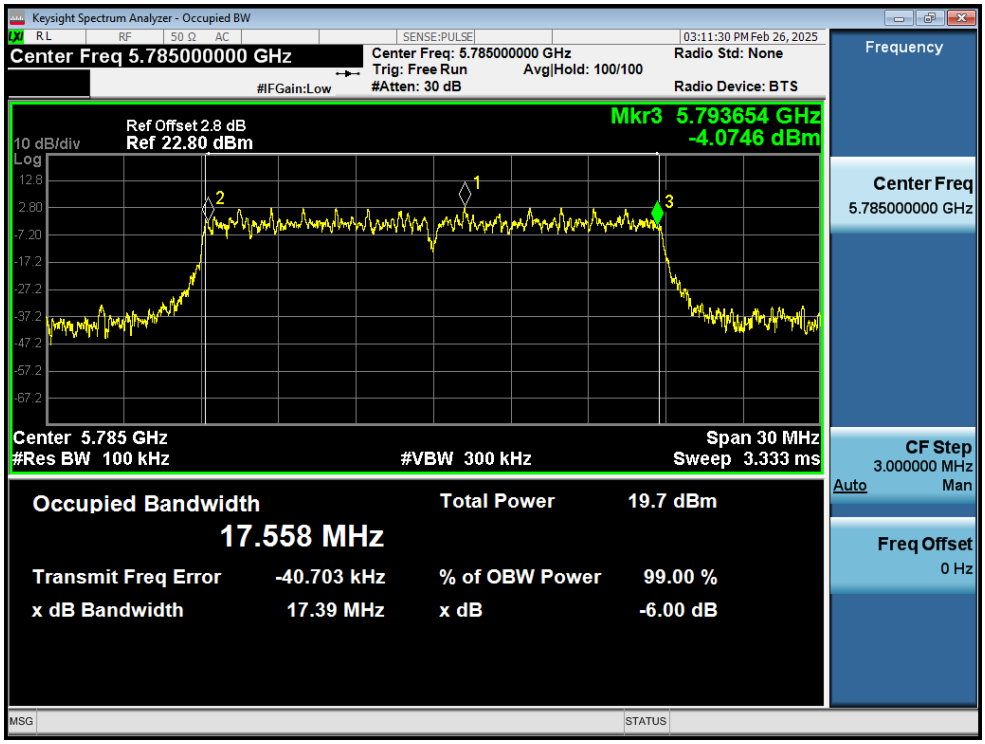
-6dB Bandwidth NVNT a 5785MHz Ant1



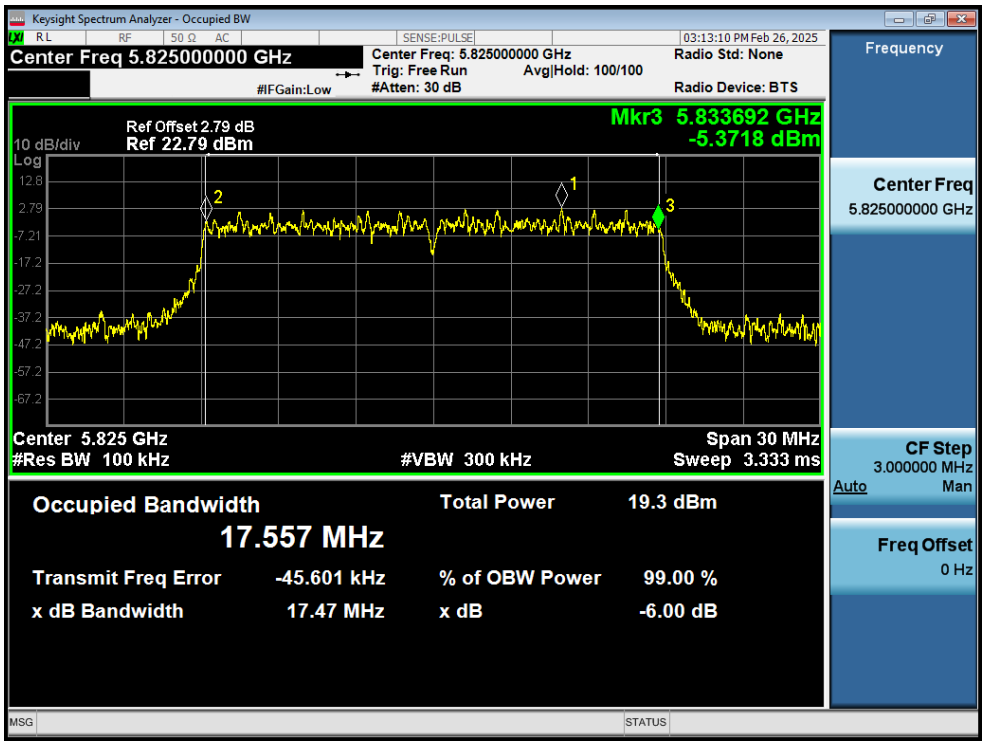
-6dB Bandwidth NVNT a 5825MHz Ant1



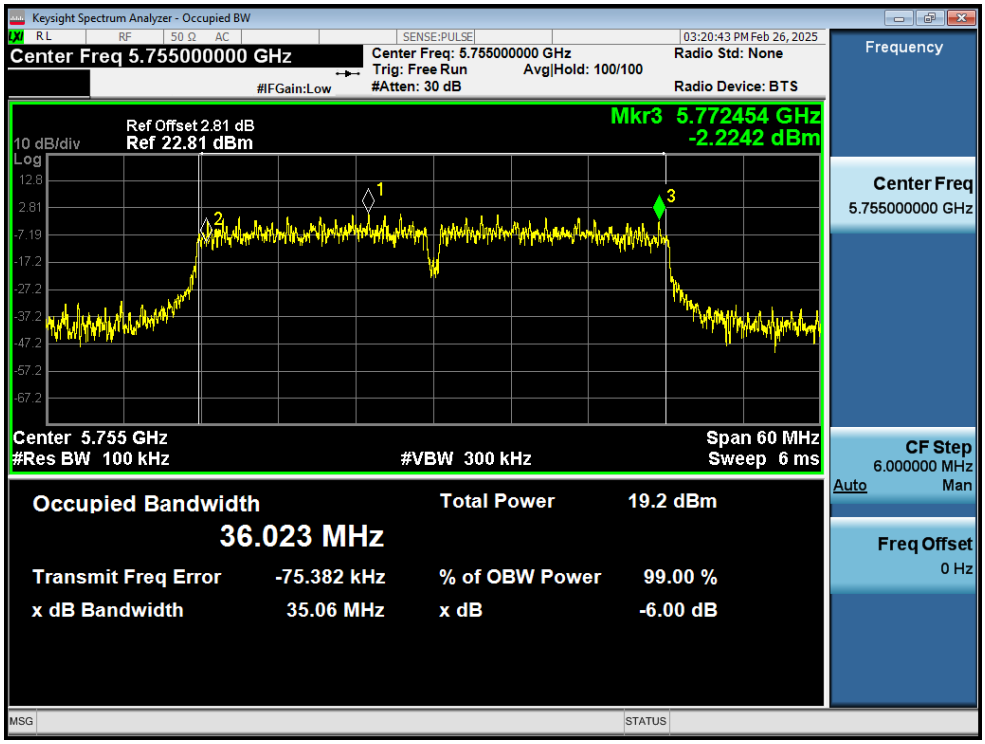
-6dB Bandwidth NVNT n20 5745MHz Ant1



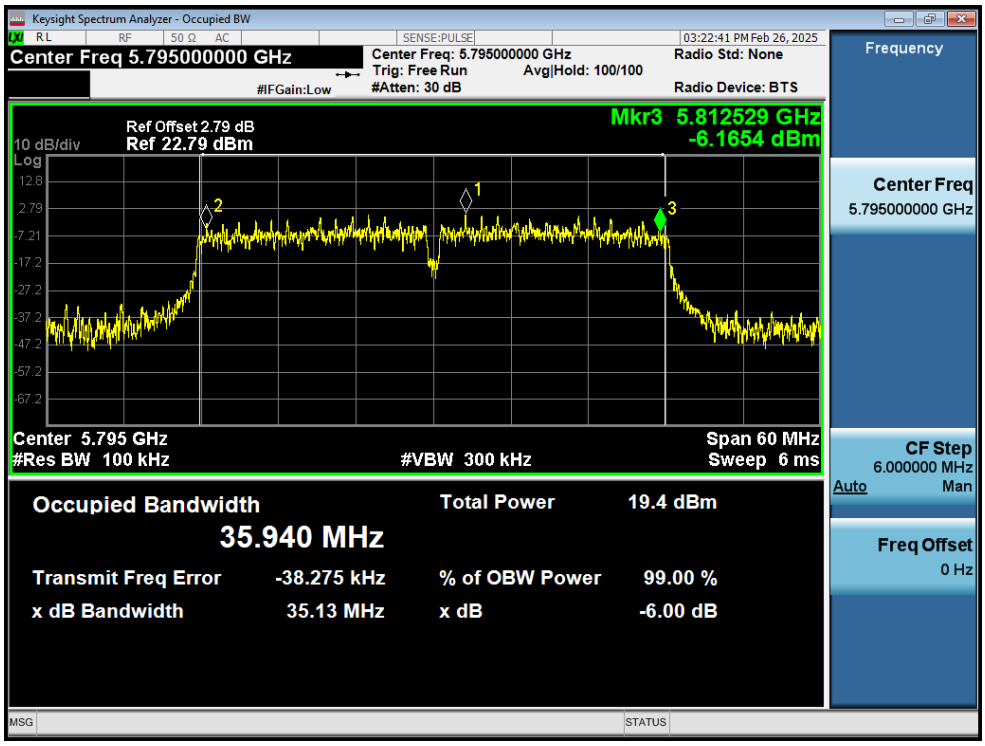
-6dB Bandwidth NVNT n20 5785MHz Ant1



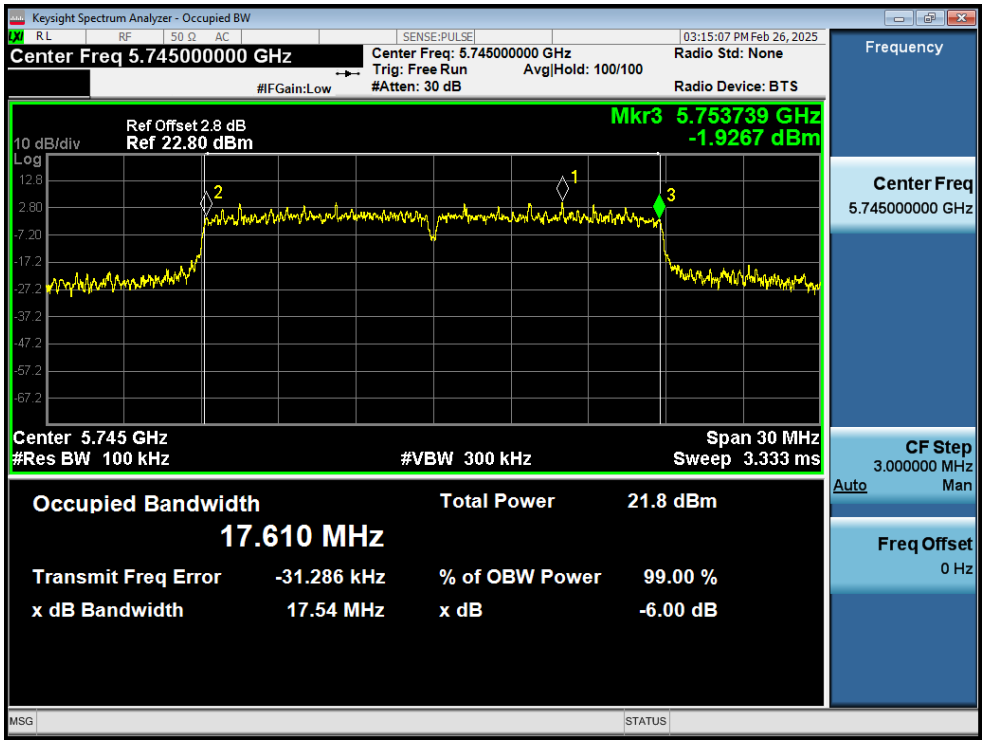
-6dB Bandwidth NVNT n20 5825MHz Ant1



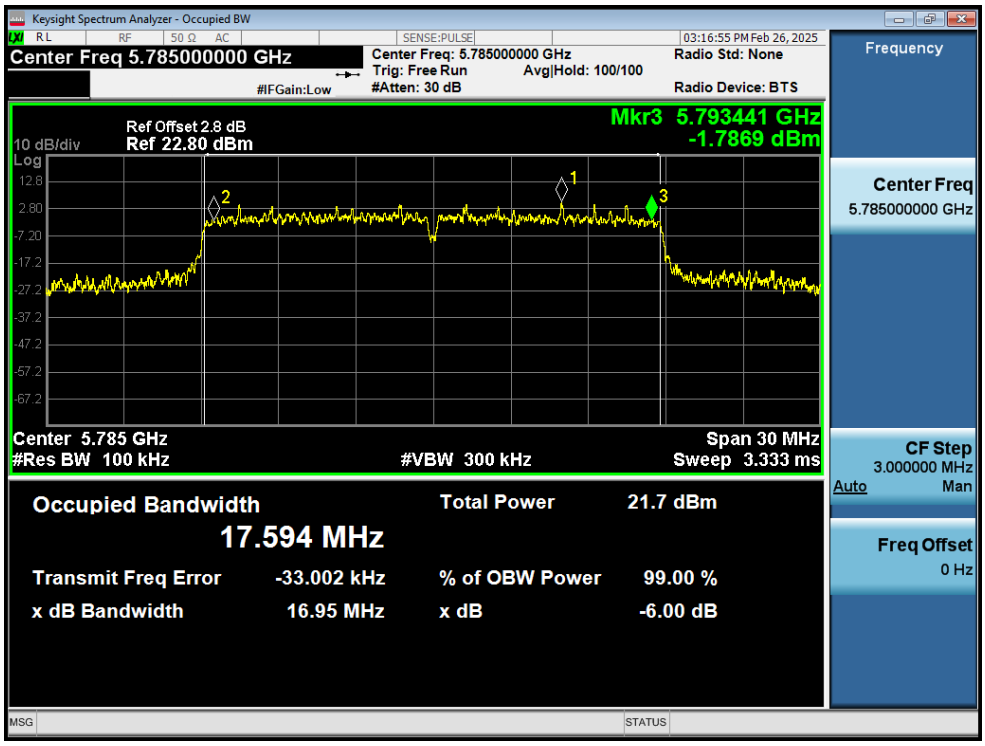
-6dB Bandwidth NVNT n40 5755MHz Ant1



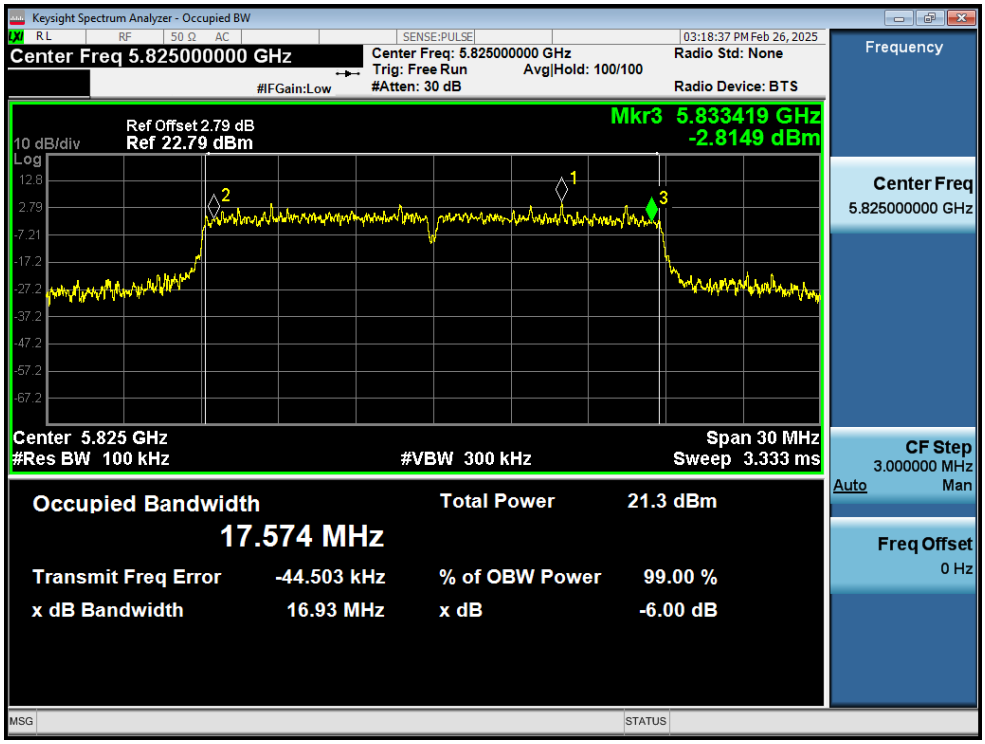
-6dB Bandwidth NVNT n40 5795MHz Ant1



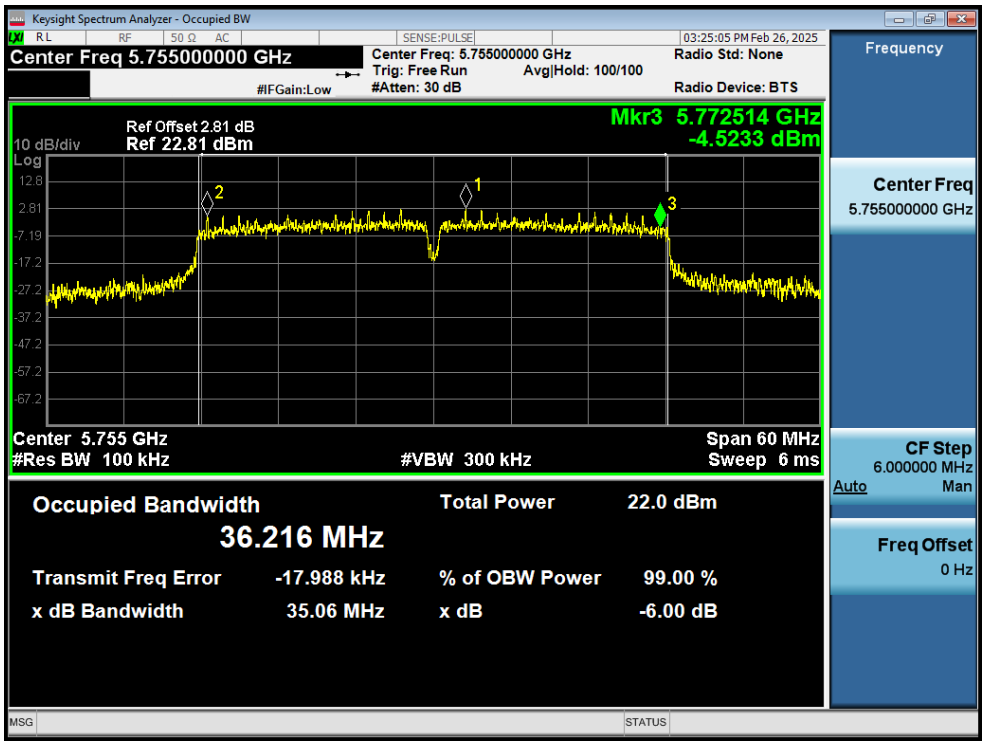
-6dB Bandwidth NVNT ac20 5745MHz Ant1



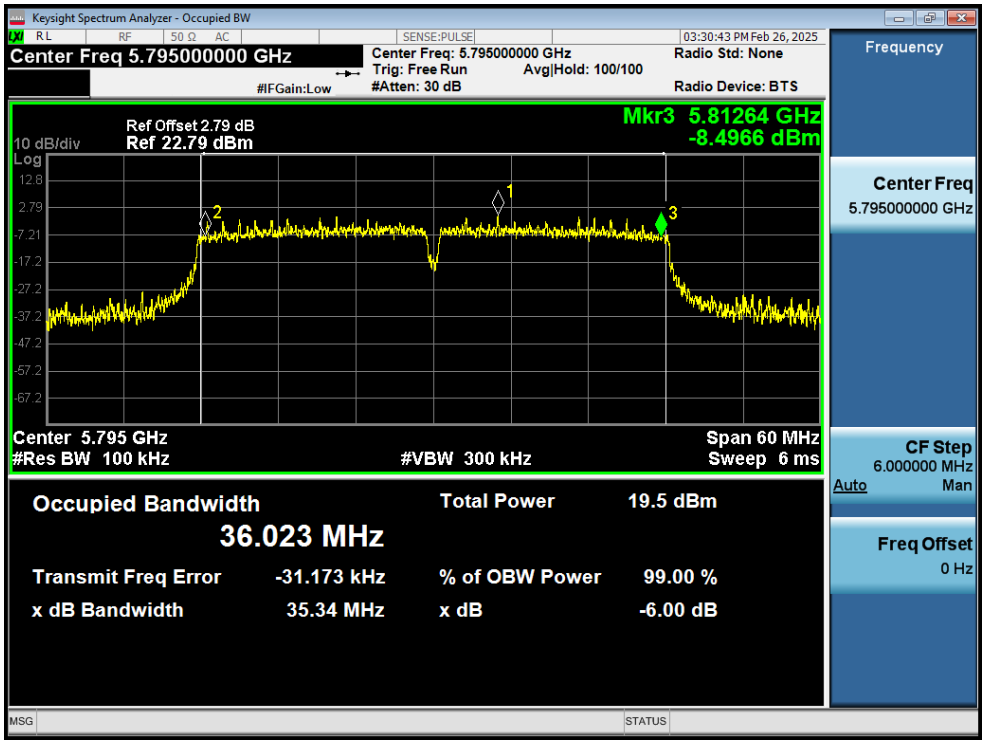
-6dB Bandwidth NVNT ac20 5785MHz Ant1



-6dB Bandwidth NVNT ac20 5825MHz Ant1



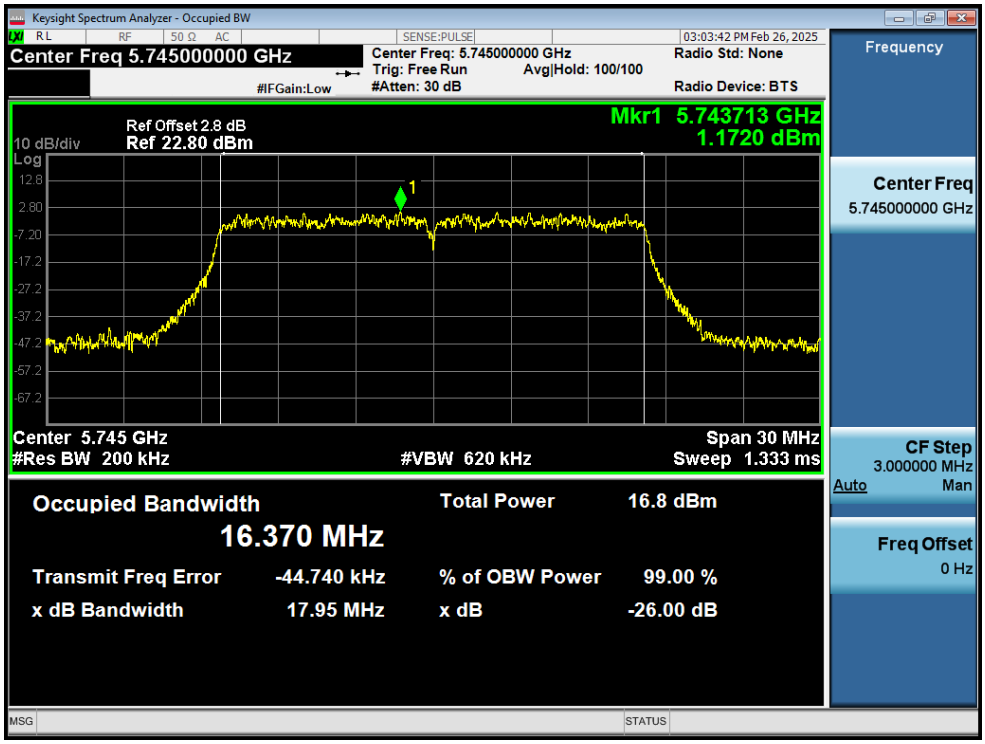
-6dB Bandwidth NVNT ac40 5755MHz Ant1



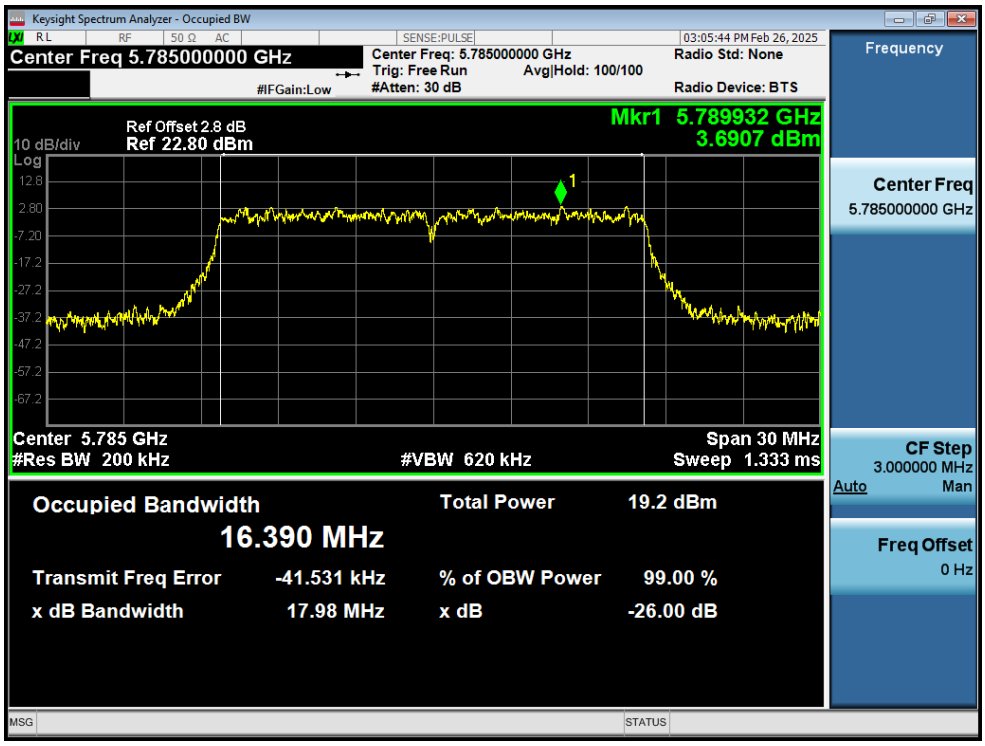
-6dB Bandwidth NVNT ac40 5795MHz Ant1

4. Occupied Channel Bandwidth

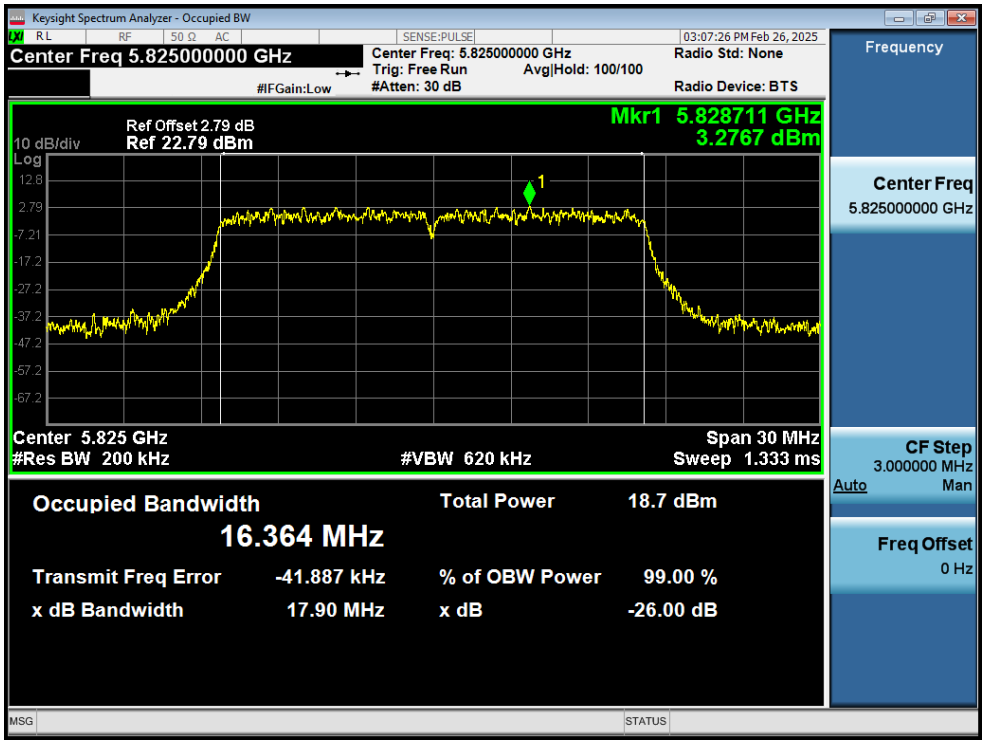
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.37
NVNT	a	5785	Ant1	16.39
NVNT	a	5825	Ant1	16.364
NVNT	n20	5745	Ant1	17.603
NVNT	n20	5785	Ant1	17.617
NVNT	n20	5825	Ant1	17.553
NVNT	n40	5755	Ant1	36.046
NVNT	n40	5795	Ant1	36.051
NVNT	ac20	5745	Ant1	17.678
NVNT	ac20	5785	Ant1	17.672
NVNT	ac20	5825	Ant1	17.606
NVNT	ac40	5755	Ant1	36.385
NVNT	ac40	5795	Ant1	36.123



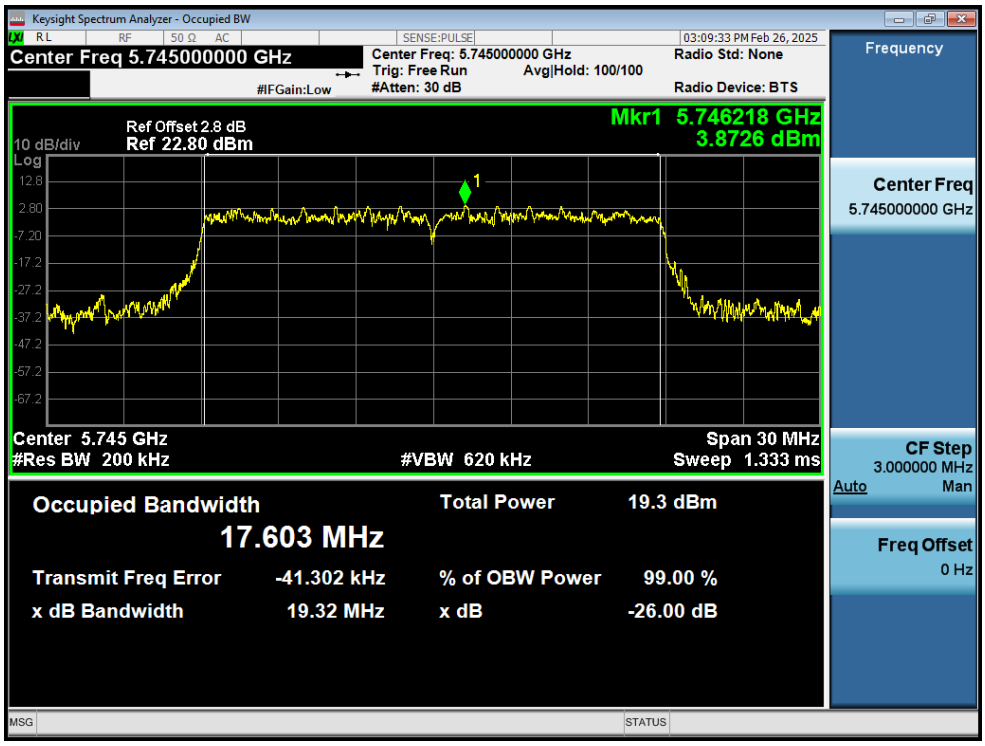
OBW NVNT a 5745MHz Ant1



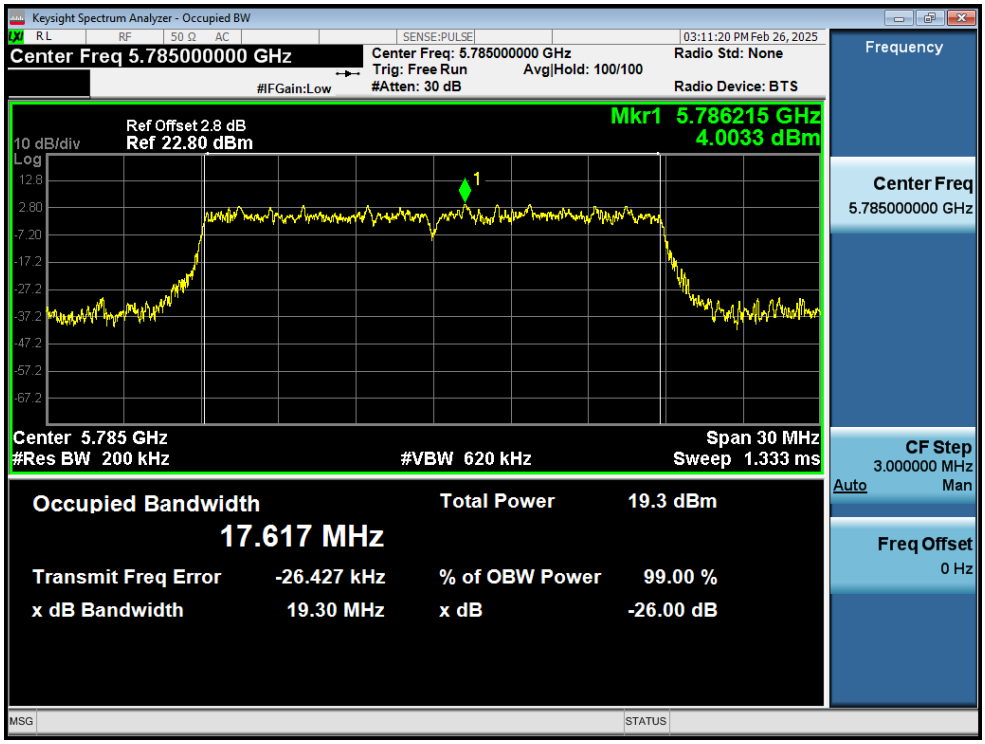
OBW NVNT a 5785MHz Ant1



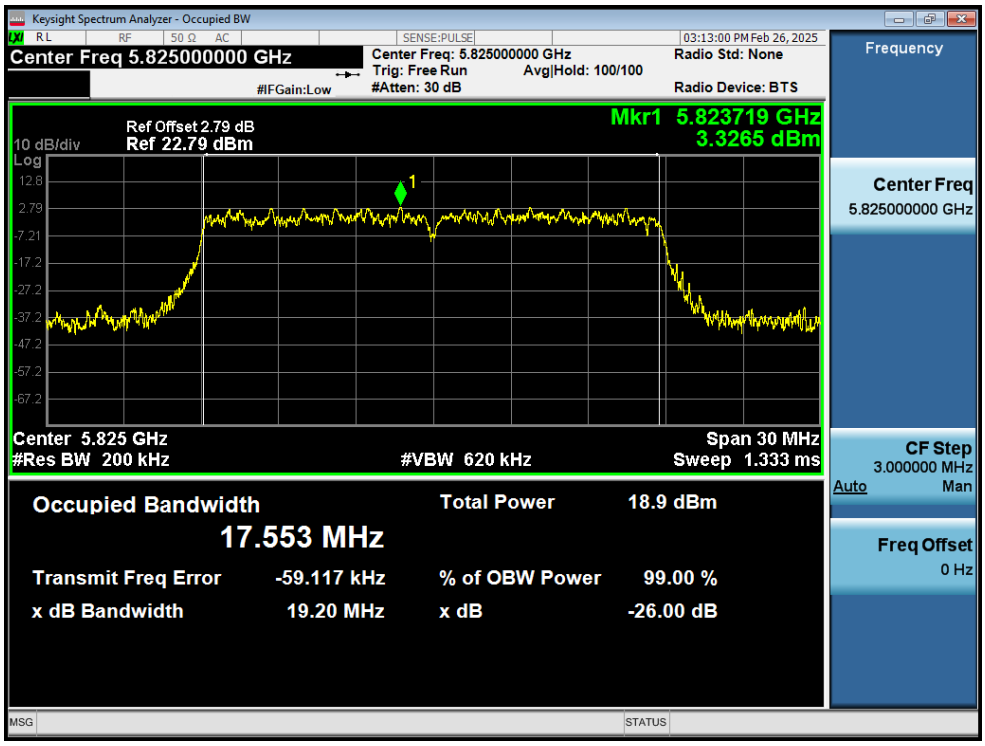
OBW NVNT a 5825MHz Ant1



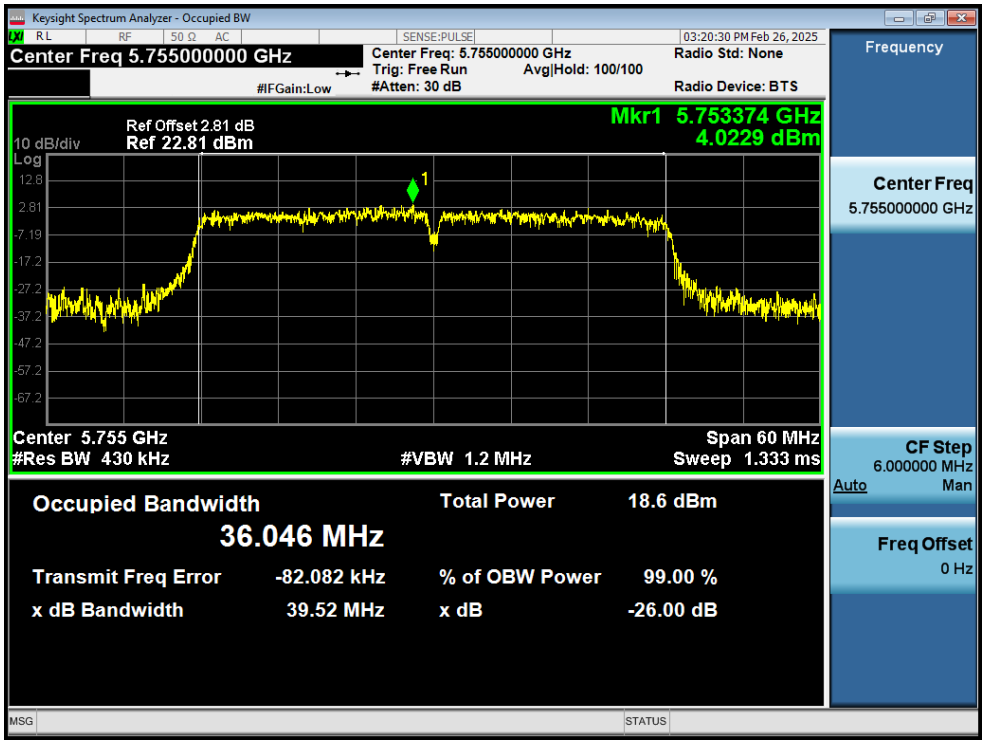
OBW NVNT n20 5745MHz Ant1



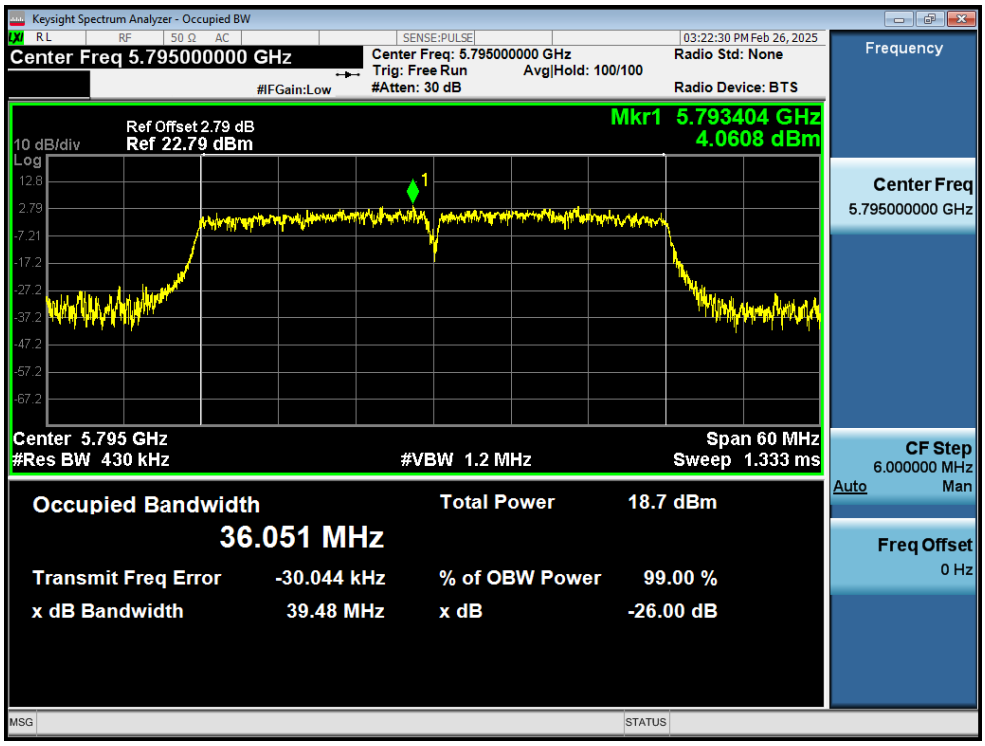
OBW NVNT n20 5785MHz Ant1



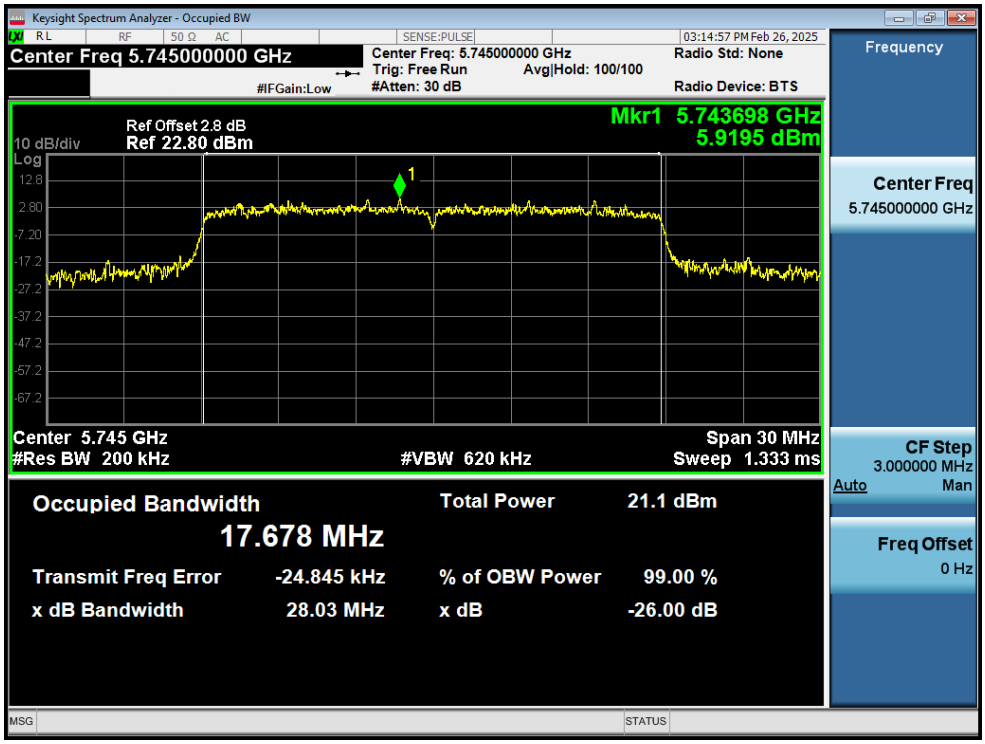
OBW NVNT n20 5825MHz Ant1



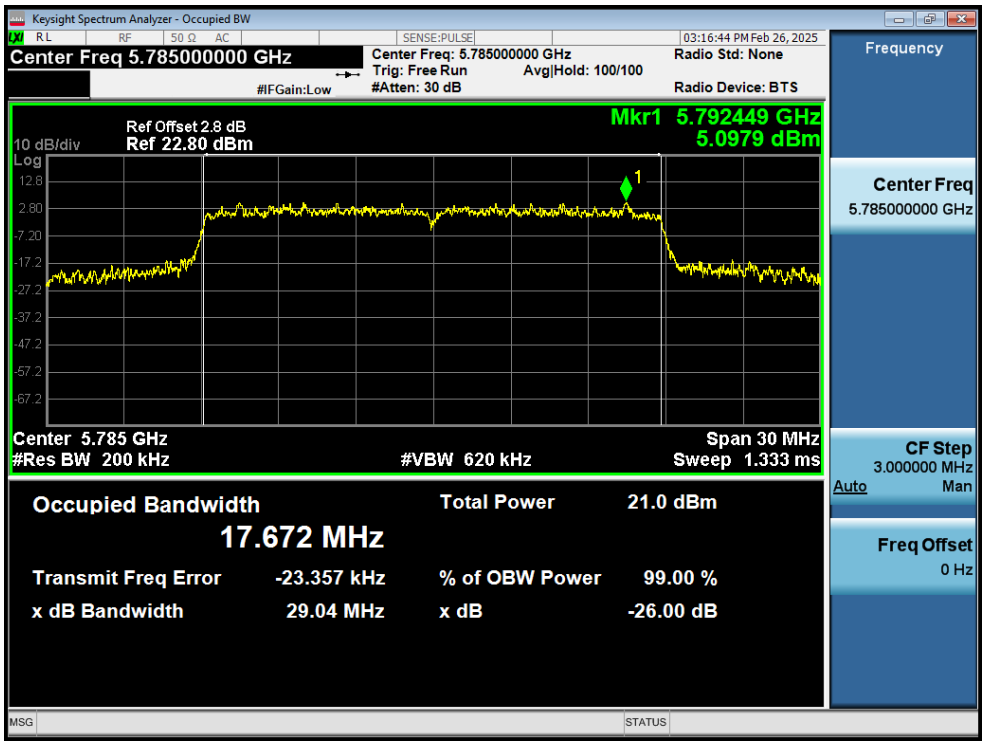
OBW NVNT n40 5755MHz Ant1



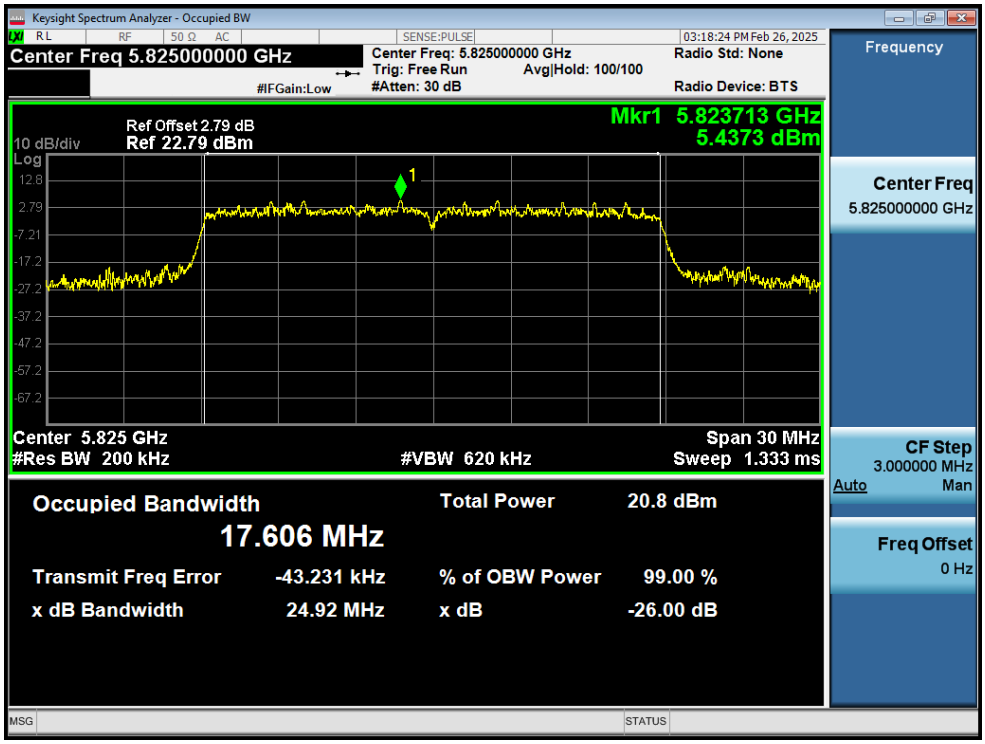
OBW NVNT n40 5795MHz Ant1



OBW NVNT ac20 5745MHz Ant1

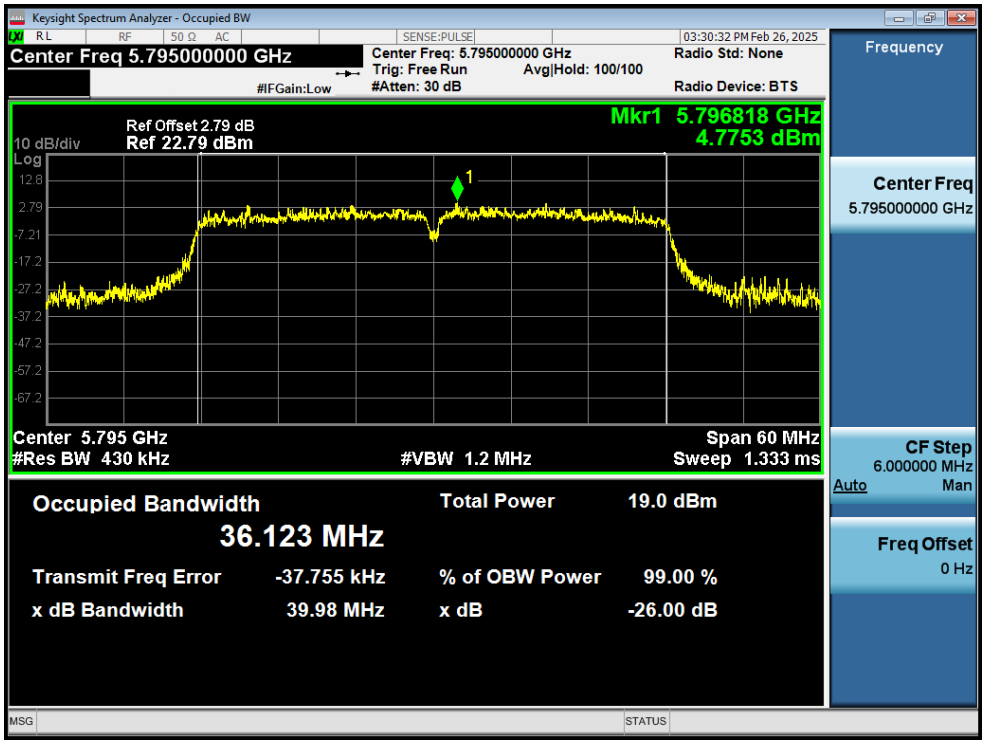


OBW NVNT ac20 5785MHz Ant1



OBW NVNT ac20 5825MHz Ant1

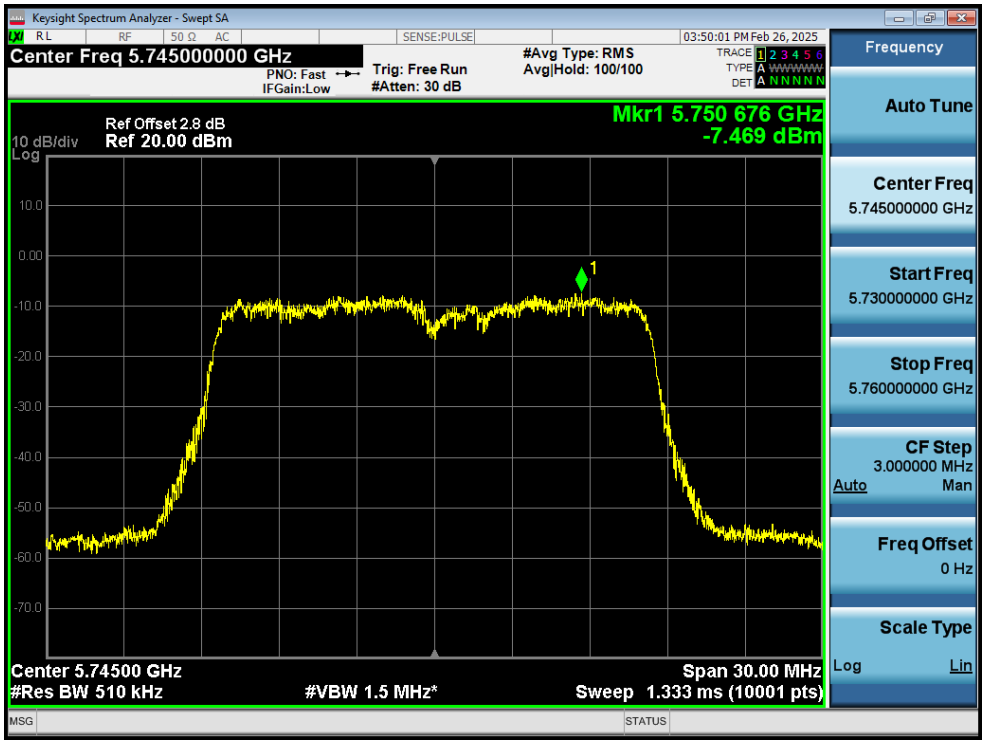
OBW NVNT ac40 5755MHz Ant1



OBW NVNT ac40 5795MHz Ant1

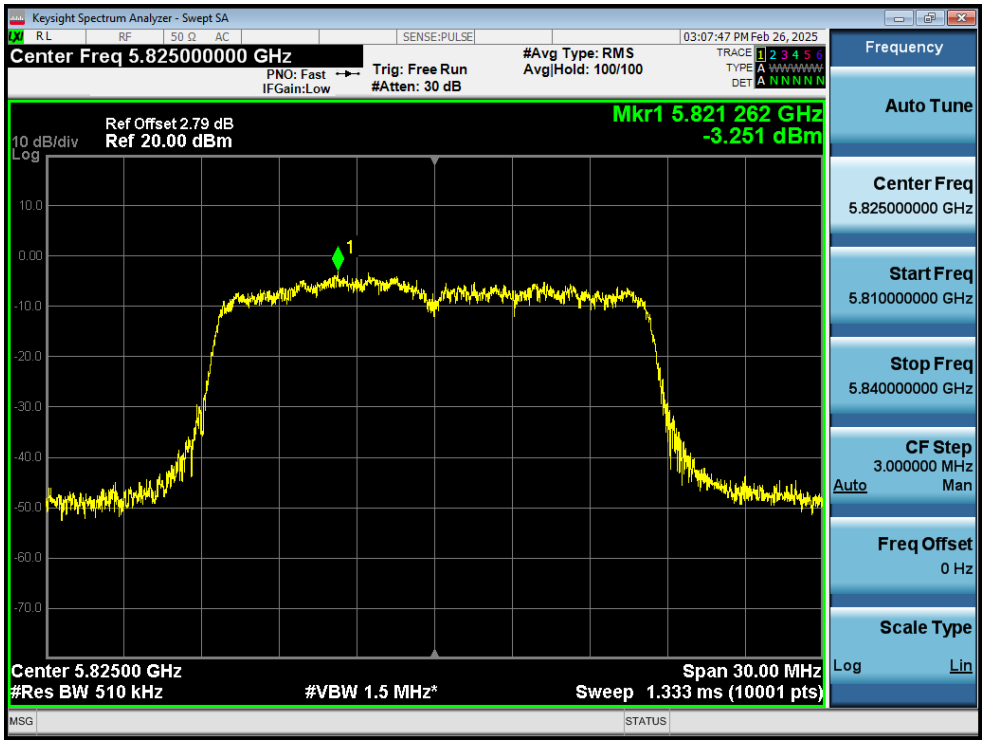
5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-7.47	5.88	-1.59	30	Pass
NVNT	a	5785	Ant1	-4.33	5.89	1.56	30	Pass
NVNT	a	5825	Ant1	-3.25	5.88	2.63	30	Pass
NVNT	n20	5745	Ant1	-4.42	6.11	1.69	30	Pass
NVNT	n20	5785	Ant1	-4.05	6.12	2.07	30	Pass
NVNT	n20	5825	Ant1	-4.71	6.14	1.43	30	Pass
NVNT	n40	5755	Ant1	-7.62	7.85	0.23	30	Pass
NVNT	n40	5795	Ant1	-8.4	7.86	-0.54	30	Pass
NVNT	ac20	5745	Ant1	0.25	2.44	2.69	30	Pass
NVNT	ac20	5785	Ant1	0.52	2.45	2.97	30	Pass
NVNT	ac20	5825	Ant1	-0.26	2.45	2.19	30	Pass
NVNT	ac40	5755	Ant1	-2.98	3.93	0.95	30	Pass
NVNT	ac40	5795	Ant1	-5.72	3.91	-1.81	30	Pass



PSD NVNT a 5745MHz Ant1

PSD NVNT a 5785MHz Ant1



PSD NVNT a 5825MHz Ant1

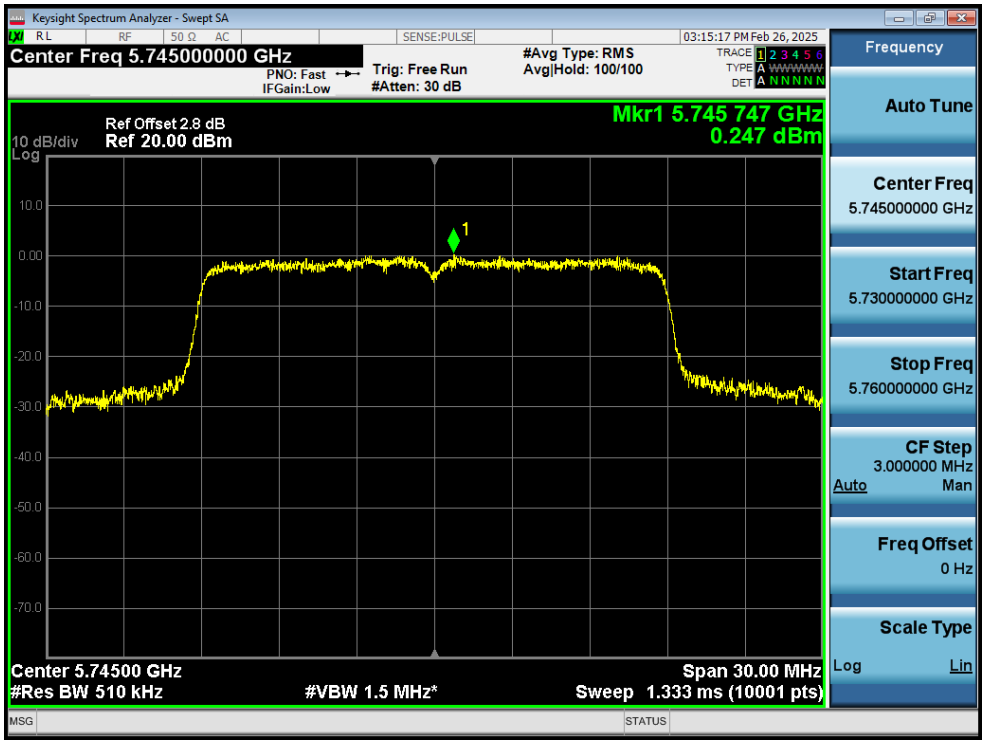
PSD NVNT n20 5745MHz Ant1

PSD NVNT n20 5785MHz Ant1

PSD NVNT n20 5825MHz Ant1

PSD NVNT n40 5755MHz Ant1

PSD NVNT n40 5795MHz Ant1

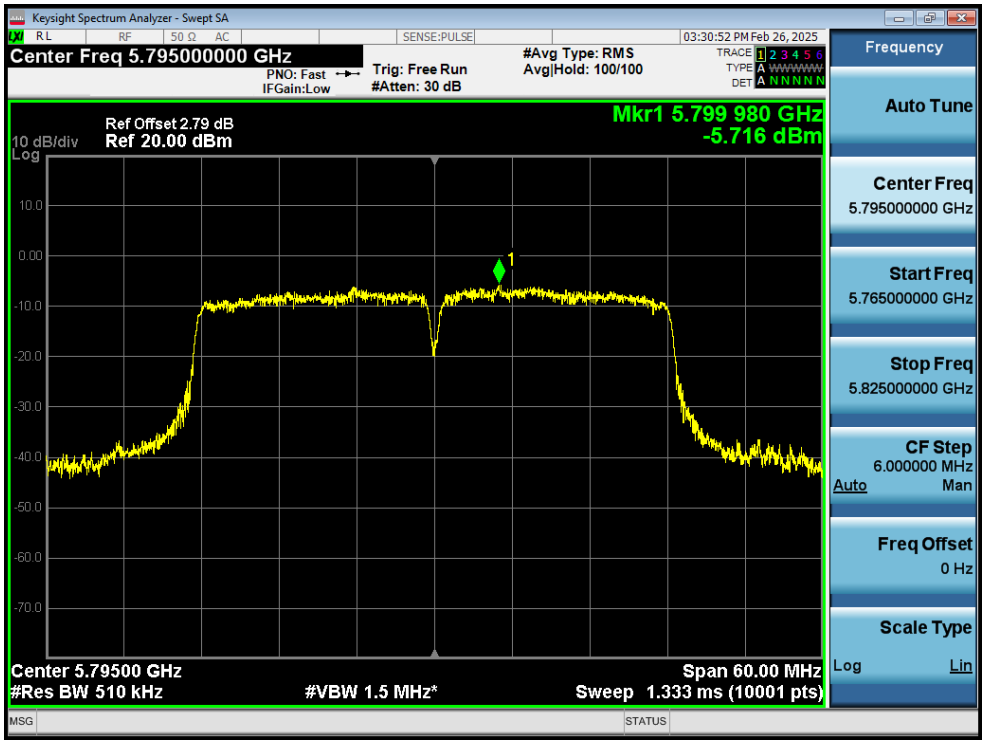


PSD NVNT ac20 5745MHz Ant1

PSD NVNT ac20 5785MHz Ant1

PSD NVNT ac20 5825MHz Ant1

PSD NVNT ac40 5755MHz Ant1

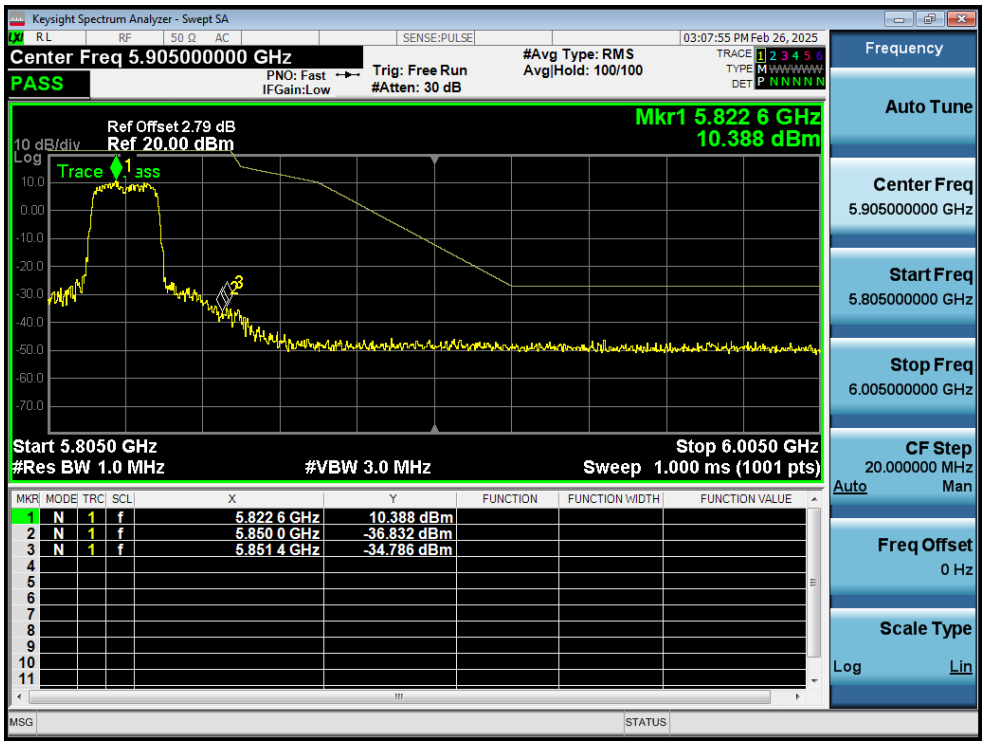


PSD NVNT ac40 5795MHz Ant1

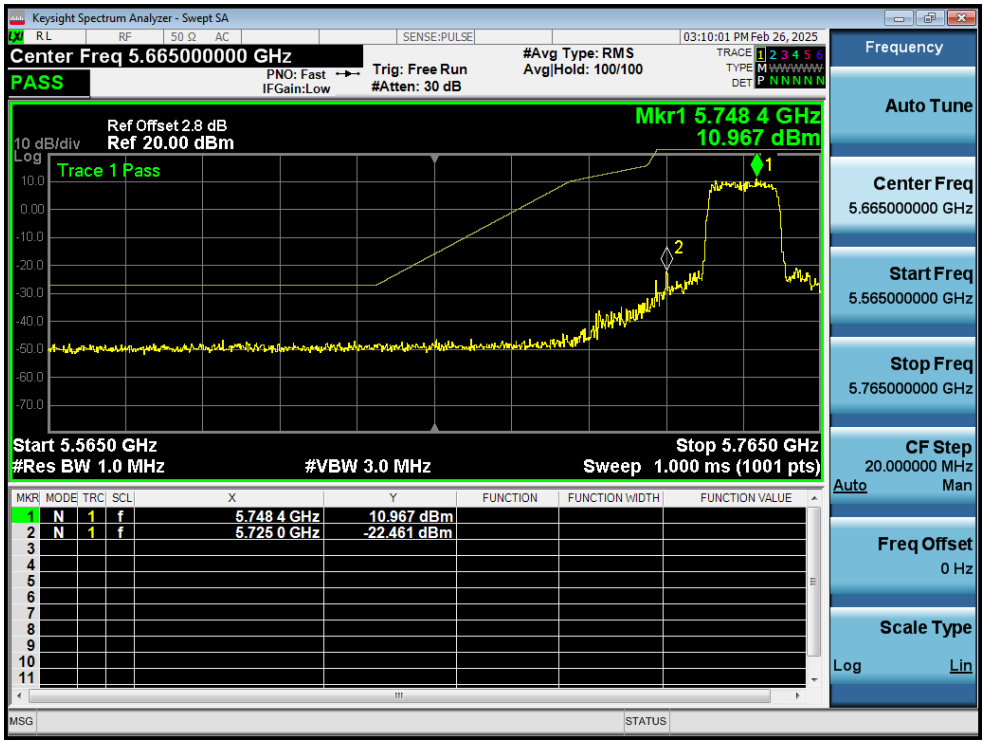
6. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-36.97	Pass
NVNT	a	5825	Ant1	-34.78	Pass
NVNT	n20	5745	Ant1	-22.46	Pass
NVNT	n20	5825	Ant1	-31.29	Pass
NVNT	n40	5755	Ant1	-21.64	Pass
NVNT	n40	5795	Ant1	-35.35	Pass
NVNT	ac20	5745	Ant1	-12.86	Pass
NVNT	ac20	5825	Ant1	-28.4	Pass
NVNT	ac40	5755	Ant1	-11.85	Pass
NVNT	ac40	5795	Ant1	-34.81	Pass

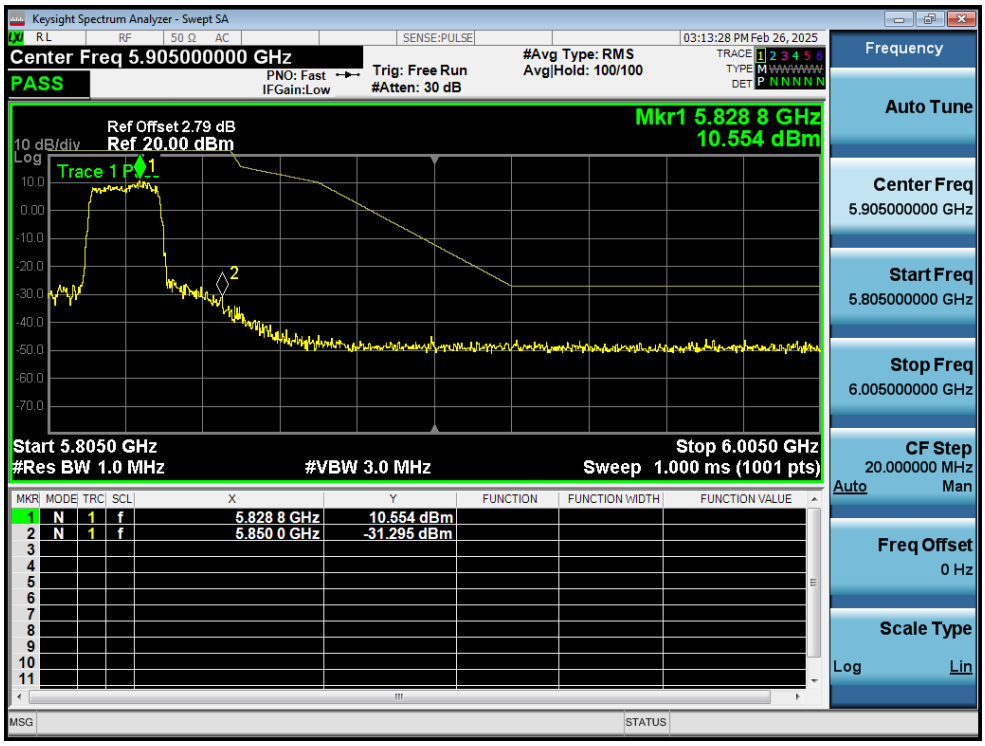
Band Edge NVNT a 5745MHz Low Ant1



Band Edge NVNT a 5825MHz High Ant1



Band Edge NVNT n20 5745MHz Low Ant1



Band Edge NVNT n20 5825MHz High Ant1

Band Edge NVNT n40 5755MHz Low Ant1

Band Edge NVNT n40 5795MHz High Ant1

Band Edge NVNT ac20 5745MHz Low Ant1

Band Edge NVNT ac20 5825MHz High Ant1

Band Edge NVNT ac40 5755MHz Low Ant1

Band Edge NVNT ac40 5795MHz High Ant1

7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-34.97	-27	Pass
NVNT	a	5785	Ant1	-34.54	-27	Pass
NVNT	a	5825	Ant1	-35.06	-27	Pass
NVNT	n20	5745	Ant1	-34.46	-27	Pass
NVNT	n20	5785	Ant1	-34.52	-27	Pass
NVNT	n20	5825	Ant1	-33.87	-27	Pass
NVNT	n40	5755	Ant1	-34.66	-27	Pass
NVNT	n40	5795	Ant1	-34.46	-27	Pass
NVNT	ac20	5745	Ant1	-34.78	-27	Pass
NVNT	ac20	5785	Ant1	-34.22	-27	Pass
NVNT	ac20	5825	Ant1	-35.04	-27	Pass
NVNT	ac40	5755	Ant1	-34.62	-27	Pass
NVNT	ac40	5795	Ant1	-34.59	-27	Pass

Tx. Spurious NVNT a 5745MHz Ant1 Emission

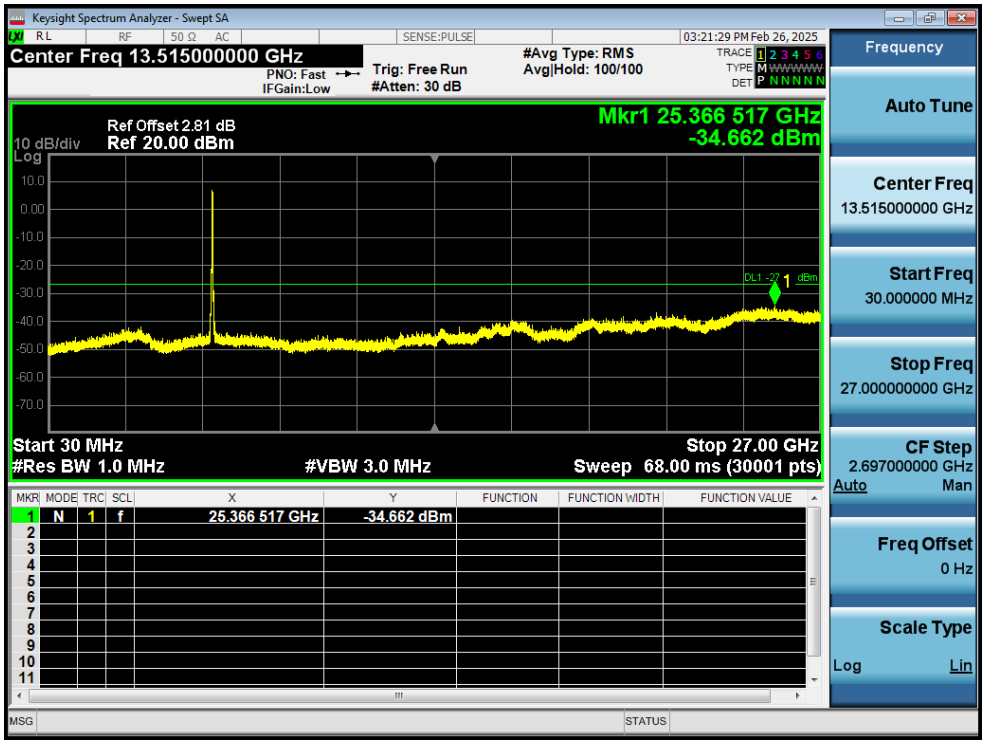
Tx. Spurious NVNT a 5785MHz Ant1 Emission

Tx. Spurious NVNT a 5825MHz Ant1 Emission

Tx. Spurious NVNT n20 5745MHz Ant1 Emission

Tx. Spurious NVNT n20 5785MHz Ant1 Emission

Tx. Spurious NVNT n20 5825MHz Ant1 Emission

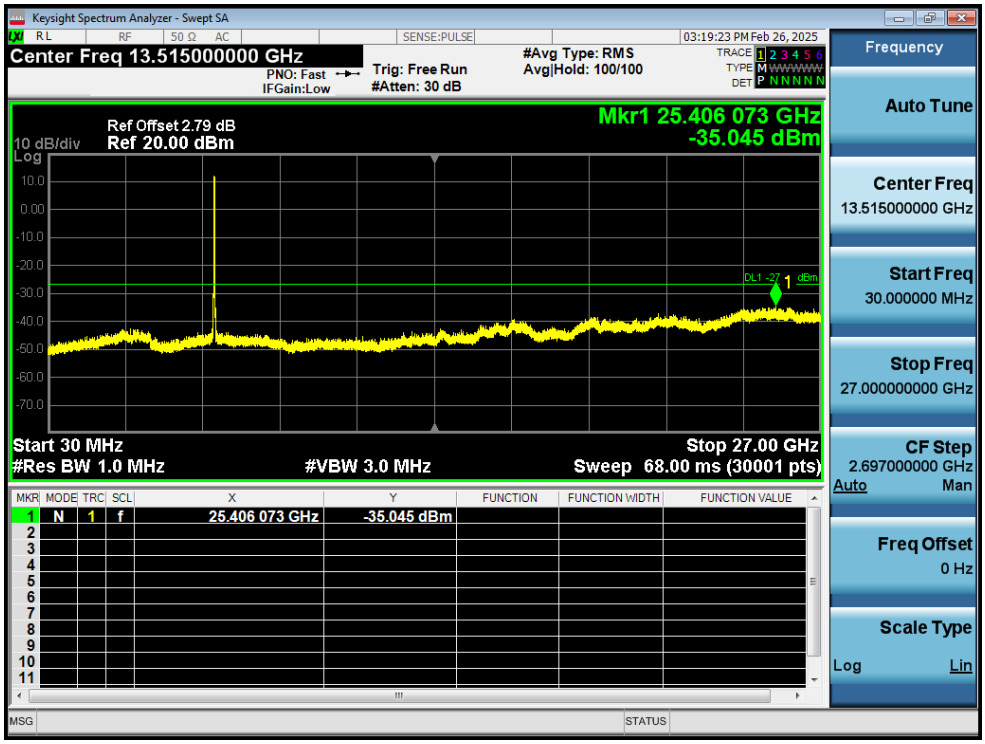


Tx. Spurious NVNT n40 5755MHz Ant1 Emission

Tx. Spurious NVNT n40 5795MHz Ant1 Emission

Tx. Spurious NVNT ac20 5745MHz Ant1 Emission

Tx. Spurious NVNT ac20 5785MHz Ant1 Emission



Tx. Spurious NVNT ac20 5825MHz Ant1 Emission

Tx. Spurious NVNT ac40 5755MHz Ant1 Emission

Tx. Spurious NVNT ac40 5795MHz Ant1 Emission