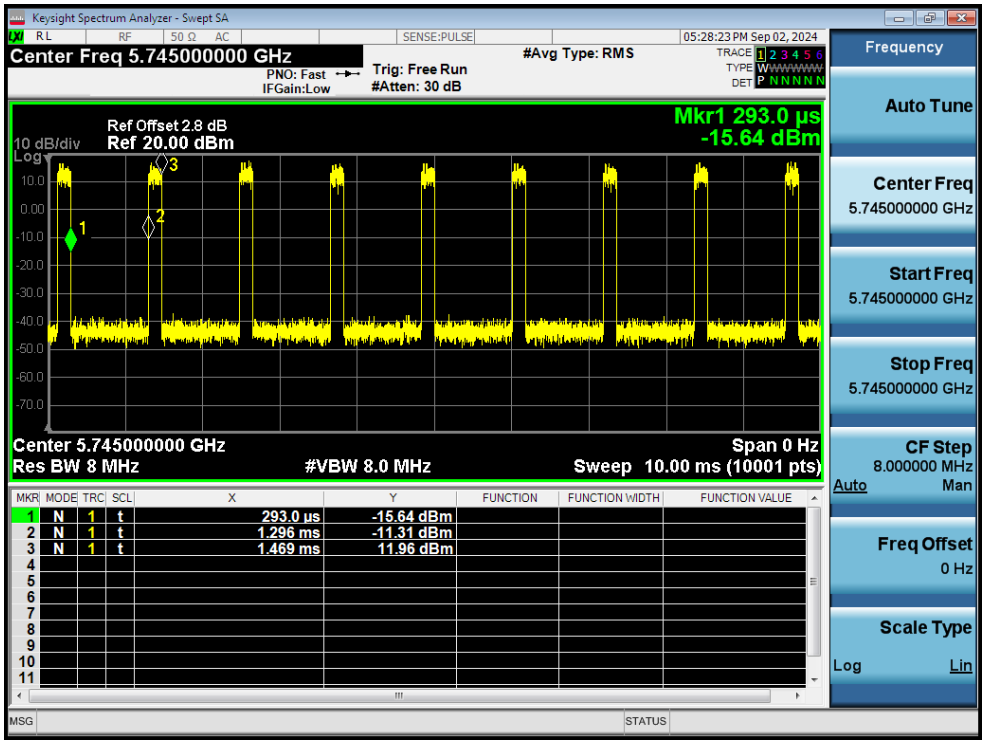
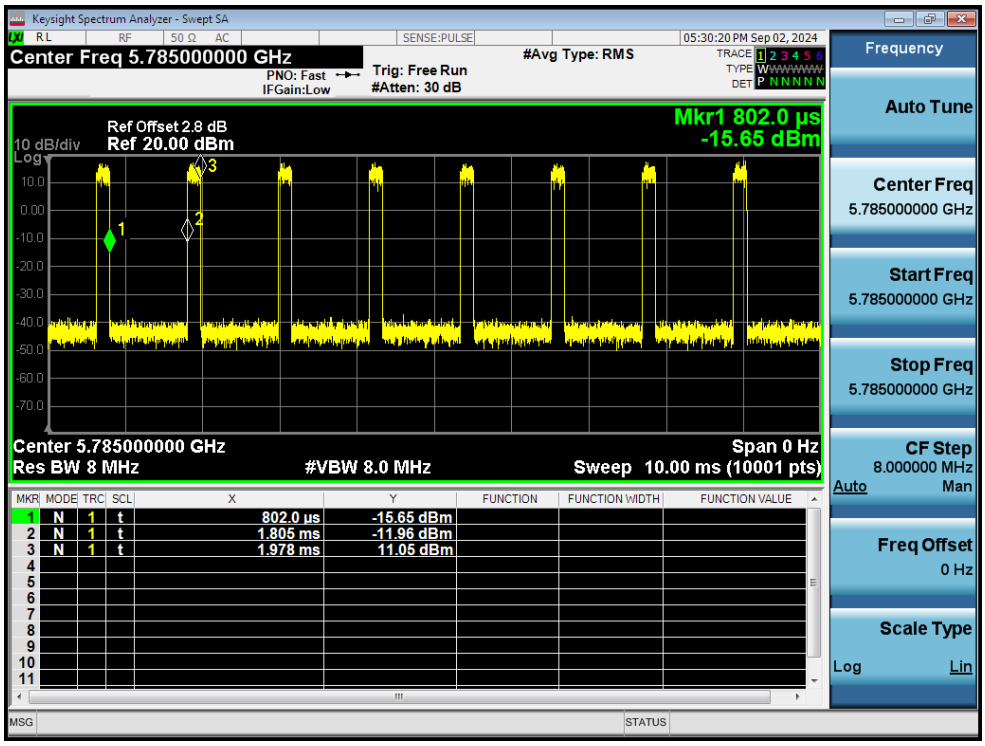
Test Data Appendix of Test Report

1. Duty Cycle

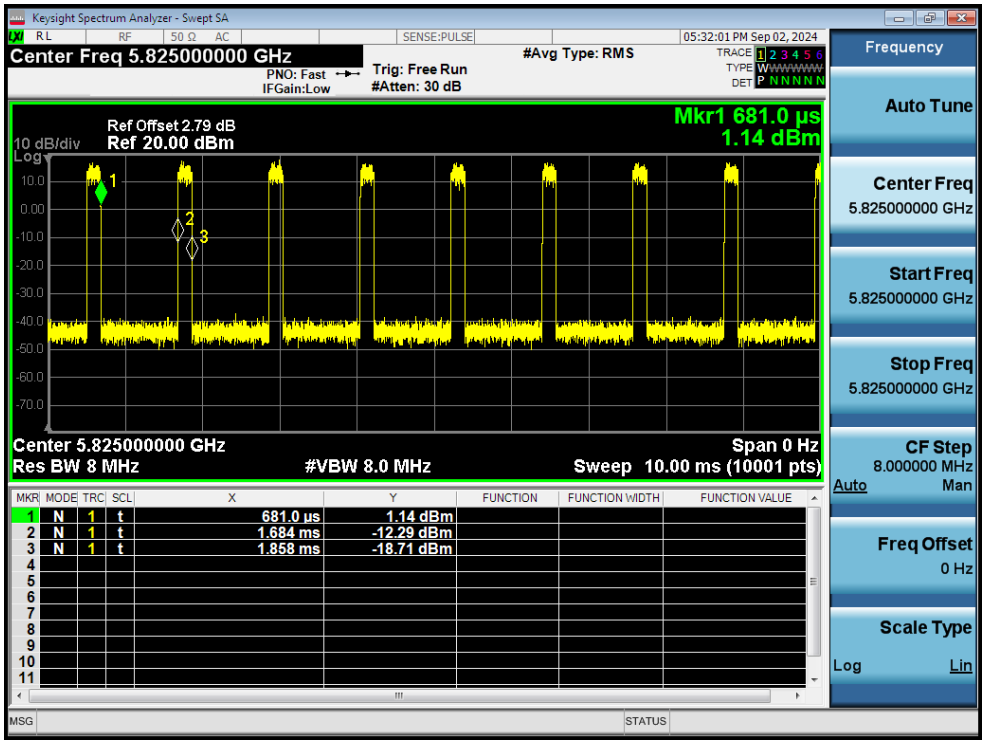
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	14.71	8.32	5.78
NVNT	a	5785	Ant1	14.71	8.32	5.78
NVNT	a	5825	Ant1	14.78	8.3	5.75
NVNT	n20	5745	Ant1	13.91	8.57	6.17
NVNT	n20	5785	Ant1	13.83	8.59	6.21
NVNT	n20	5825	Ant1	13.91	8.57	6.17
NVNT	n40	5755	Ant1	8.82	10.55	10.31
NVNT	n40	5795	Ant1	8.82	10.55	10.31
NVNT	ac20	5745	Ant1	12.71	8.96	6.85
NVNT	ac20	5785	Ant1	12.63	8.99	6.9
NVNT	ac20	5825	Ant1	12.63	8.99	6.9
NVNT	ac40	5755	Ant1	8.15	10.89	11.24
NVNT	ac40	5795	Ant1	8.15	10.89	11.24
NVNT	ac80	5775	Ant1	6.09	12.15	15.38



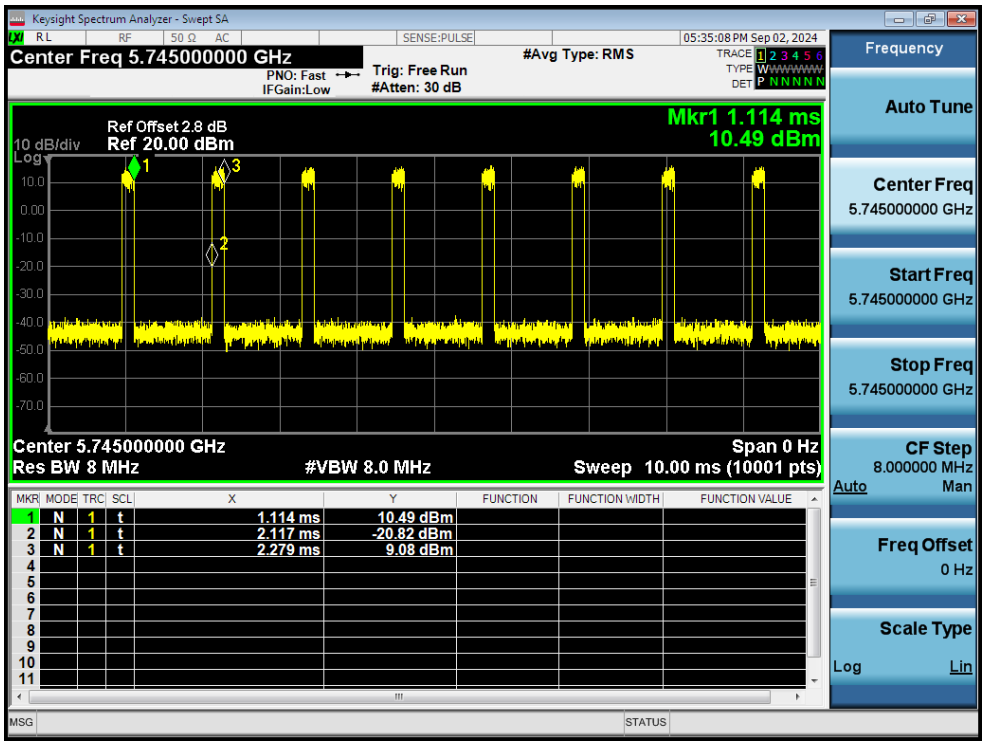
Duty Cycle NVNT a 5745MHz Ant1



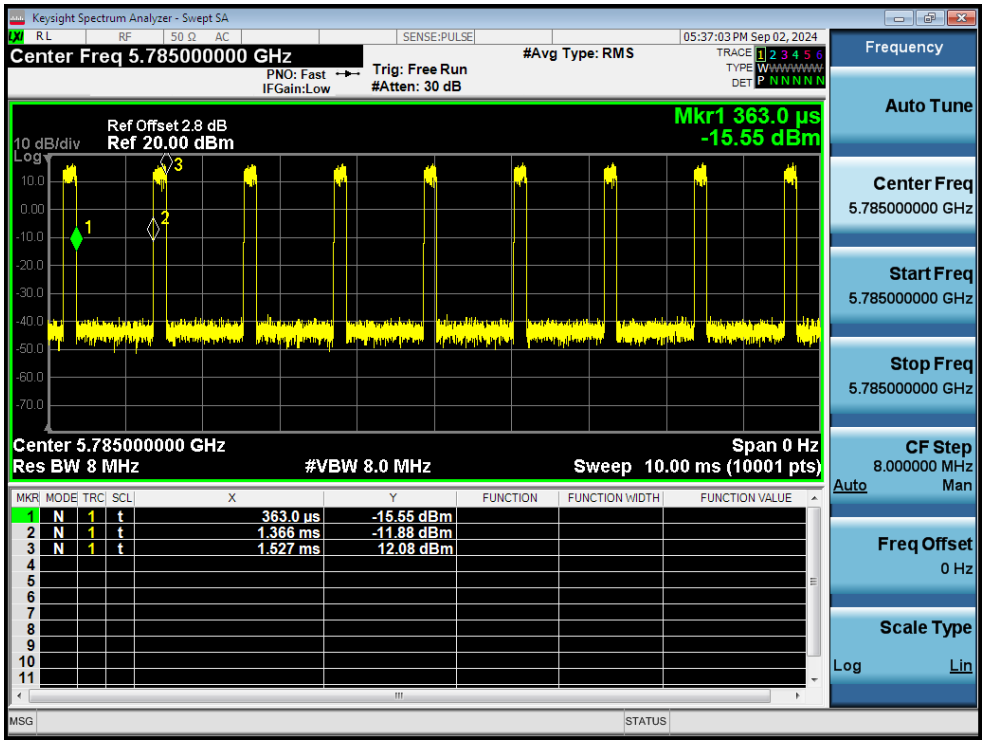
Duty Cycle NVNT a 5785MHz Ant1



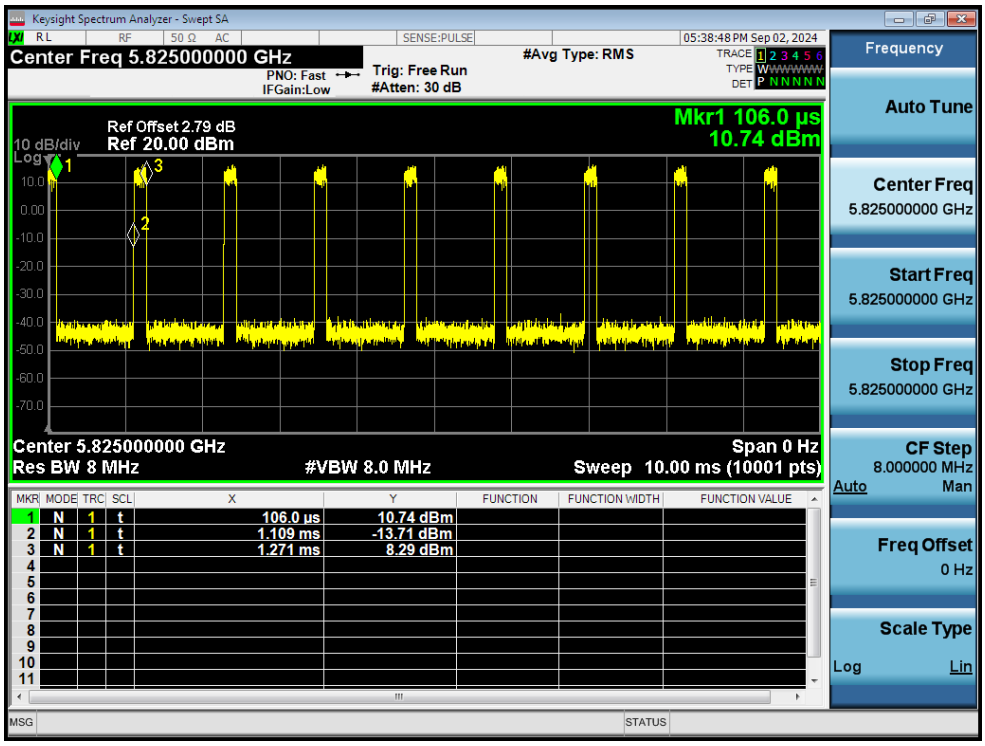
Duty Cycle NVNT a 5825MHz Ant1



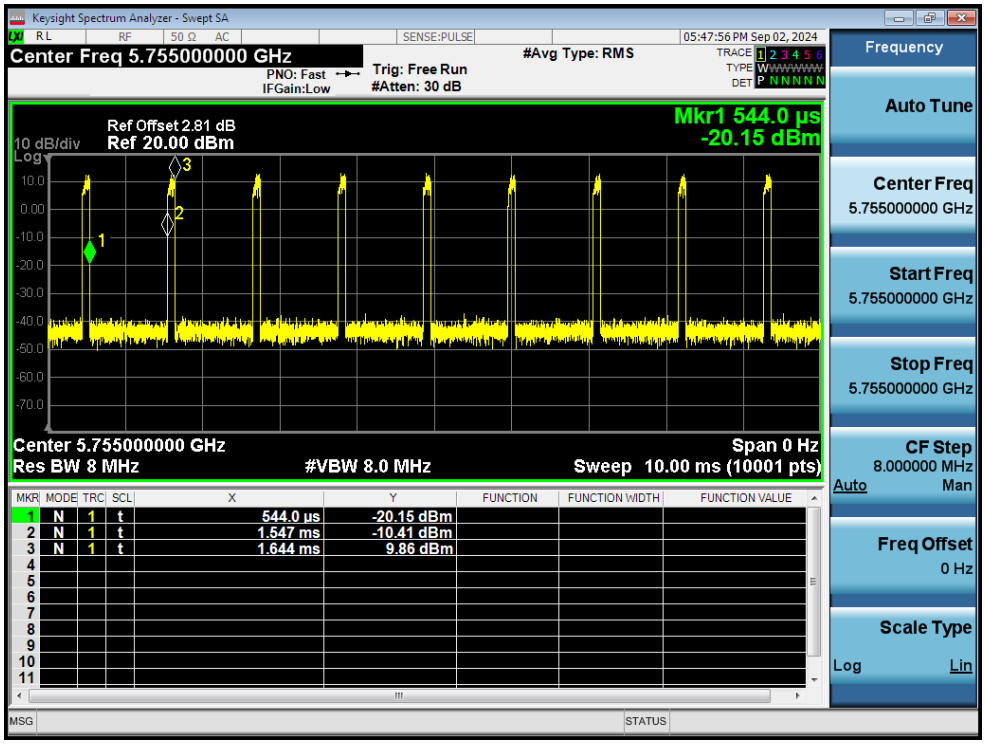
Duty Cycle NVNT n20 5745MHz Ant1



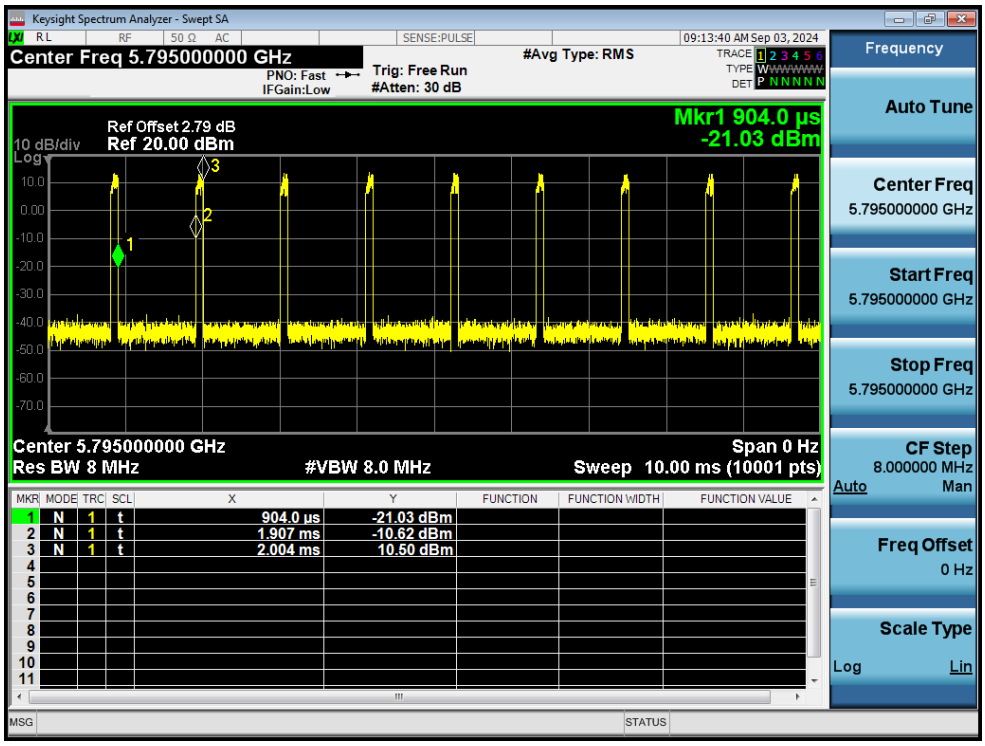
Duty Cycle NVNT n20 5785MHz Ant1



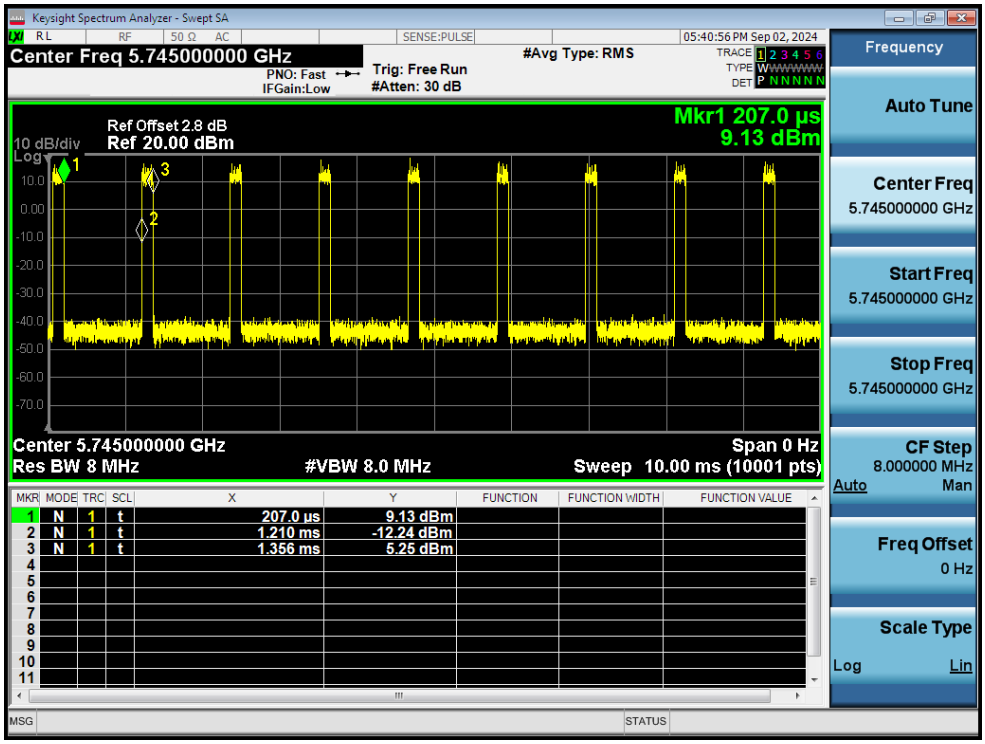
Duty Cycle NVNT n20 5825MHz Ant1



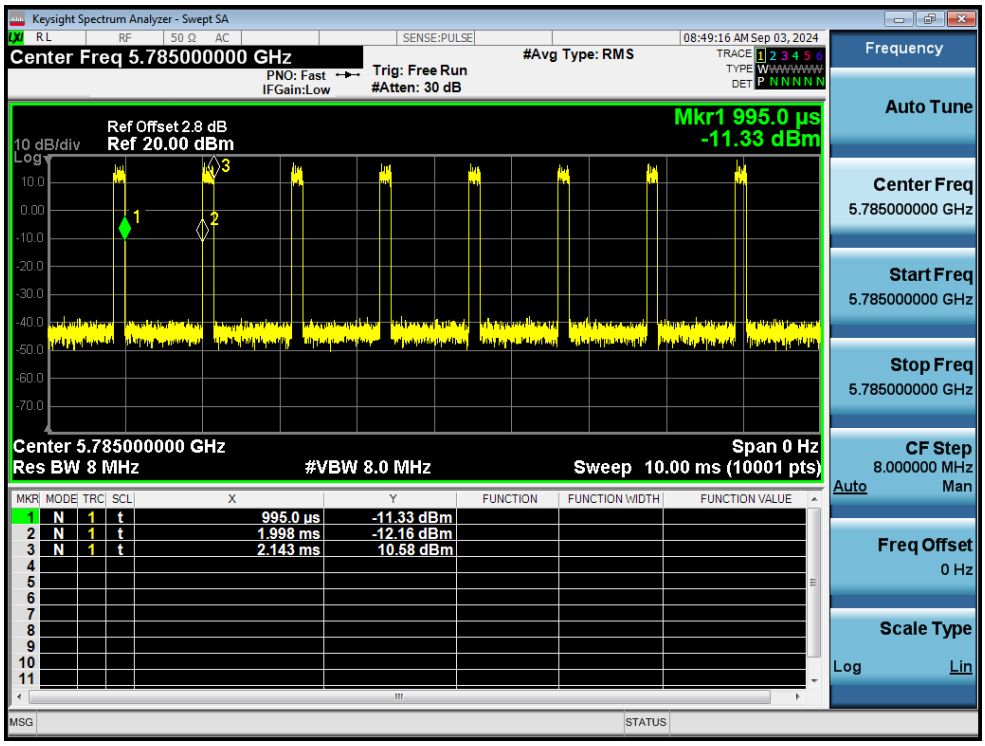
Duty Cycle NVNT n40 5755MHz Ant1



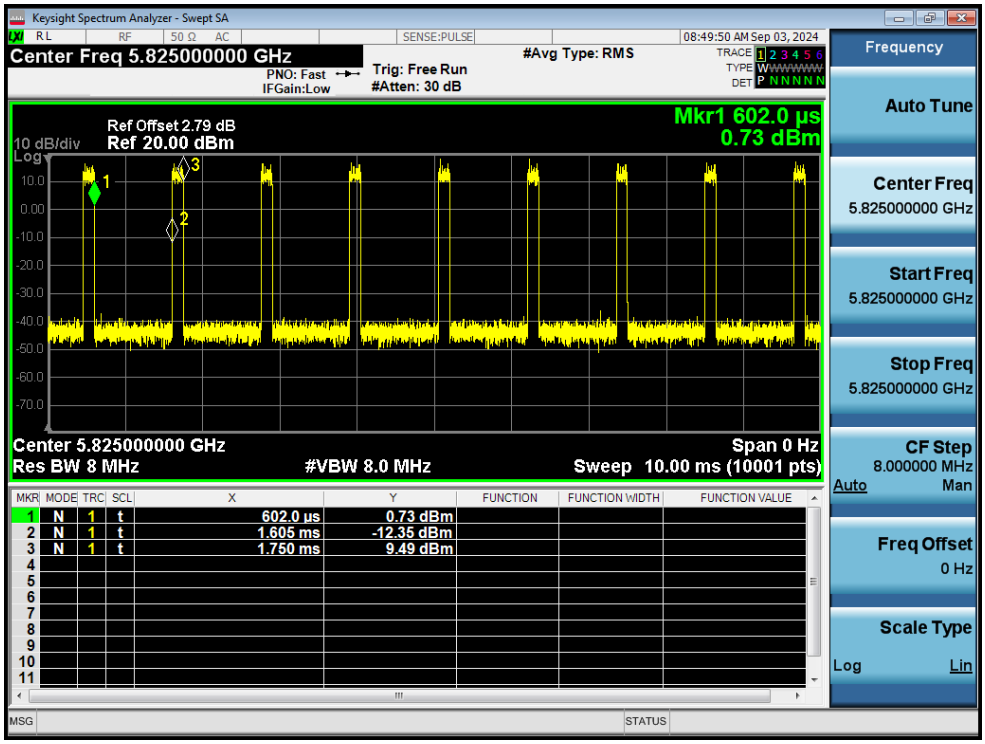
Duty Cycle NVNT n40 5795MHz Ant1



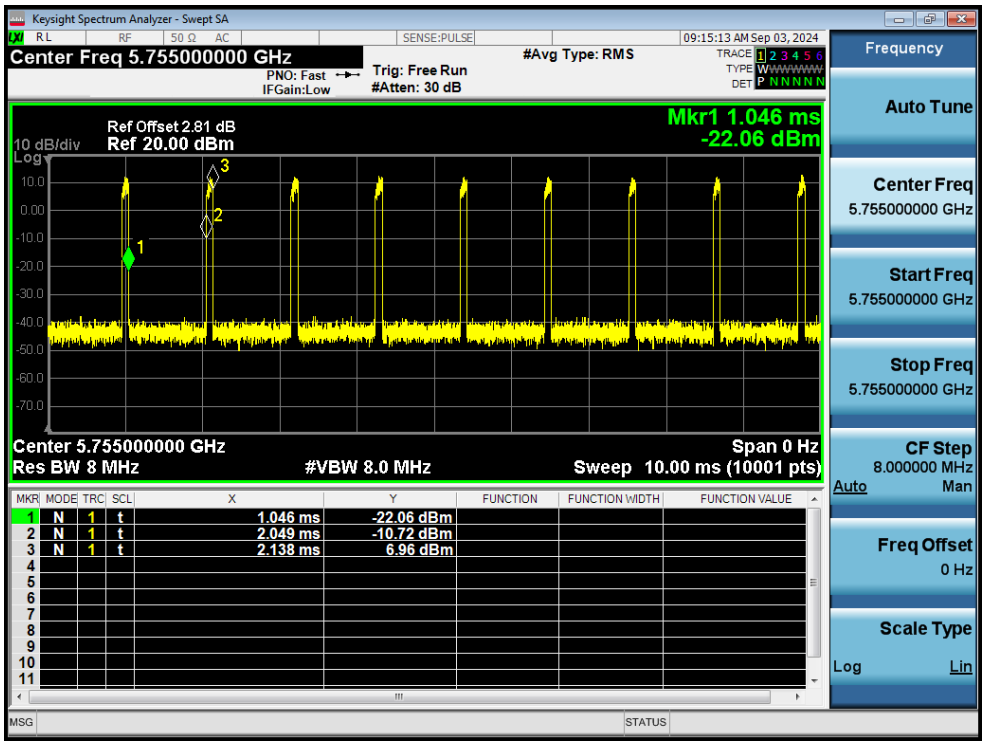
Duty Cycle NVNT ac20 5745MHz Ant1



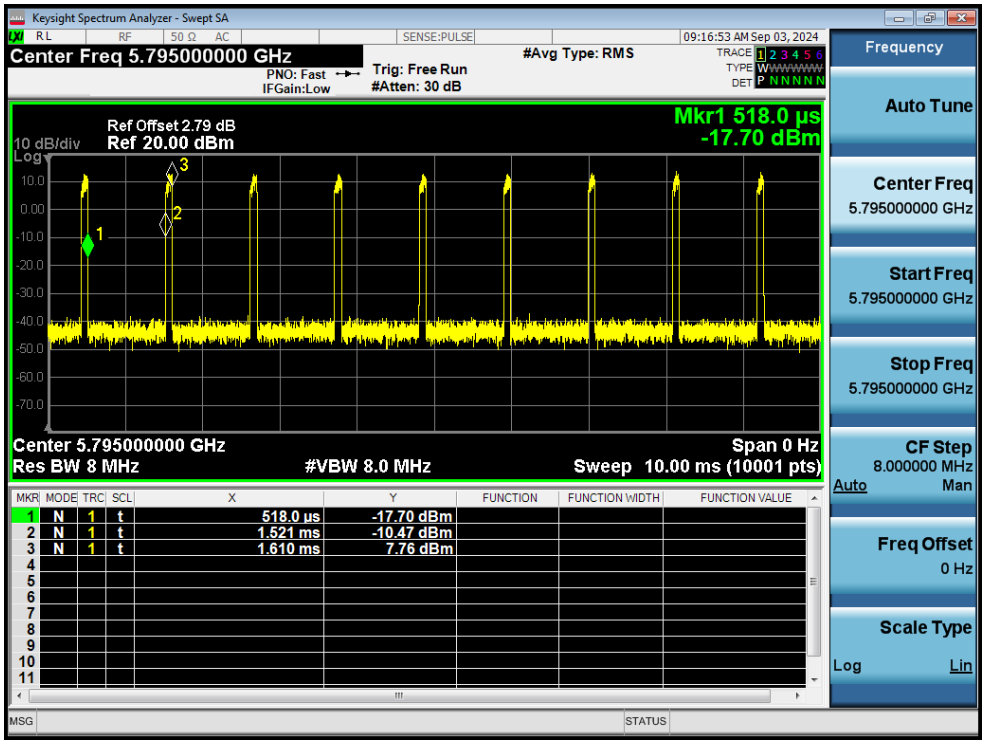
Duty Cycle NVNT ac20 5785MHz Ant1



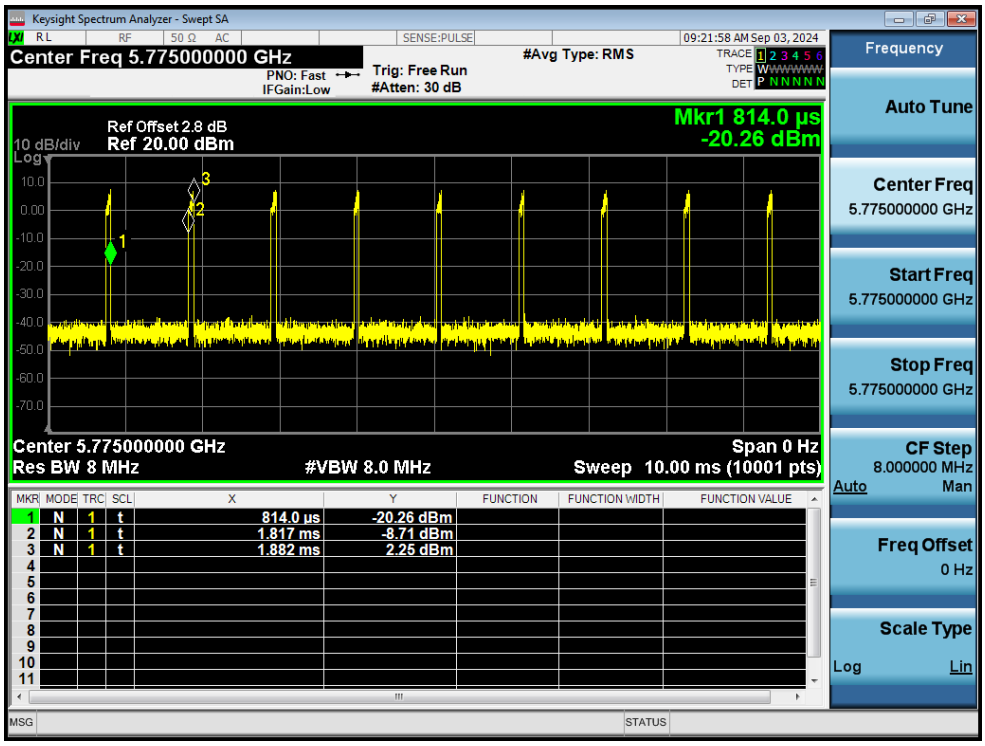
Duty Cycle NVNT ac20 5825MHz Ant1



Duty Cycle NVNT ac40 5755MHz Ant1



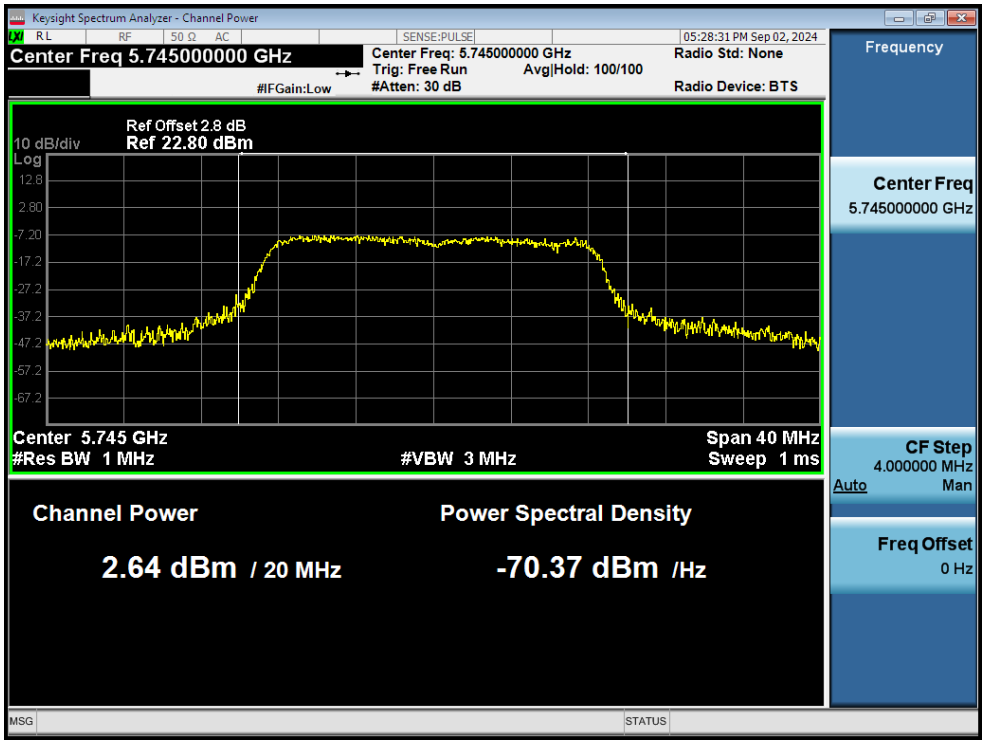
Duty Cycle NVNT ac40 5795MHz Ant1



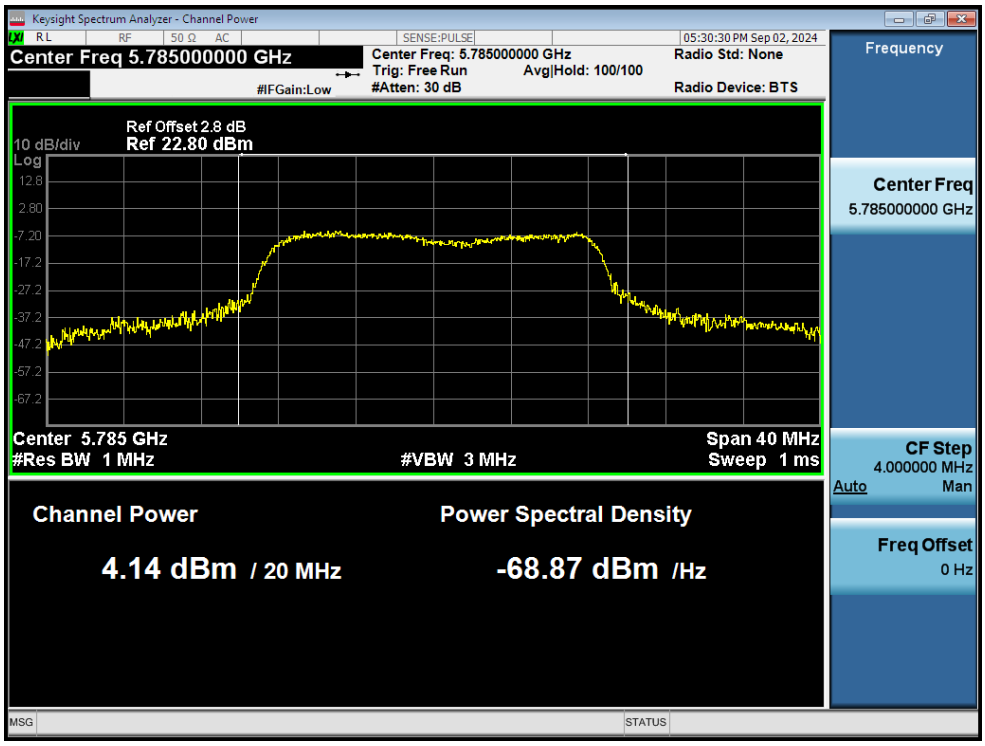
Duty Cycle NVNT ac80 5775MHz Ant1

2. Maximum Conducted Output Power

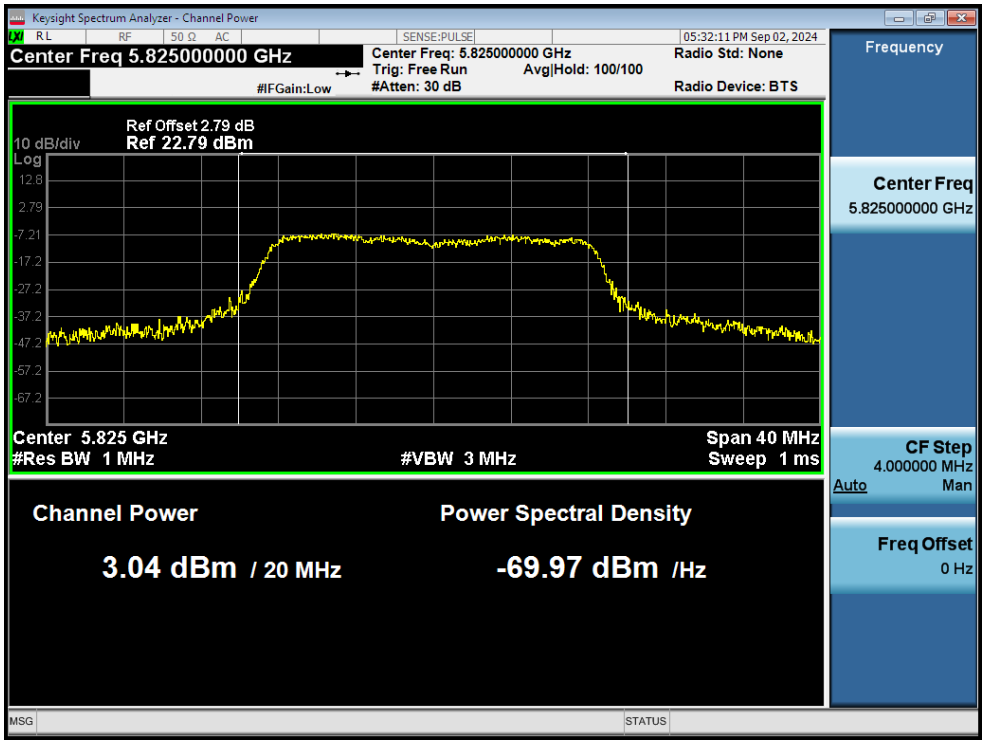
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	2.64	8.32	10.96	30	Pass
NVNT	a	5785	Ant1	4.14	8.32	12.46	30	Pass
NVNT	a	5825	Ant1	3.04	8.3	11.34	30	Pass
NVNT	n20	5745	Ant1	2.07	8.57	10.64	30	Pass
NVNT	n20	5785	Ant1	2.84	8.59	11.43	30	Pass
NVNT	n20	5825	Ant1	3.1	8.57	11.67	30	Pass
NVNT	n40	5755	Ant1	0.94	10.55	11.49	30	Pass
NVNT	n40	5795	Ant1	1.65	10.55	12.2	30	Pass
NVNT	ac20	5745	Ant1	2.34	8.96	11.3	30	Pass
NVNT	ac20	5785	Ant1	3.06	8.99	12.05	30	Pass
NVNT	ac20	5825	Ant1	2.47	8.99	11.46	30	Pass
NVNT	ac40	5755	Ant1	1.55	10.89	12.44	30	Pass
NVNT	ac40	5795	Ant1	1.47	10.89	12.36	30	Pass
NVNT	ac80	5775	Ant1	-3.19	12.15	8.96	30	Pass



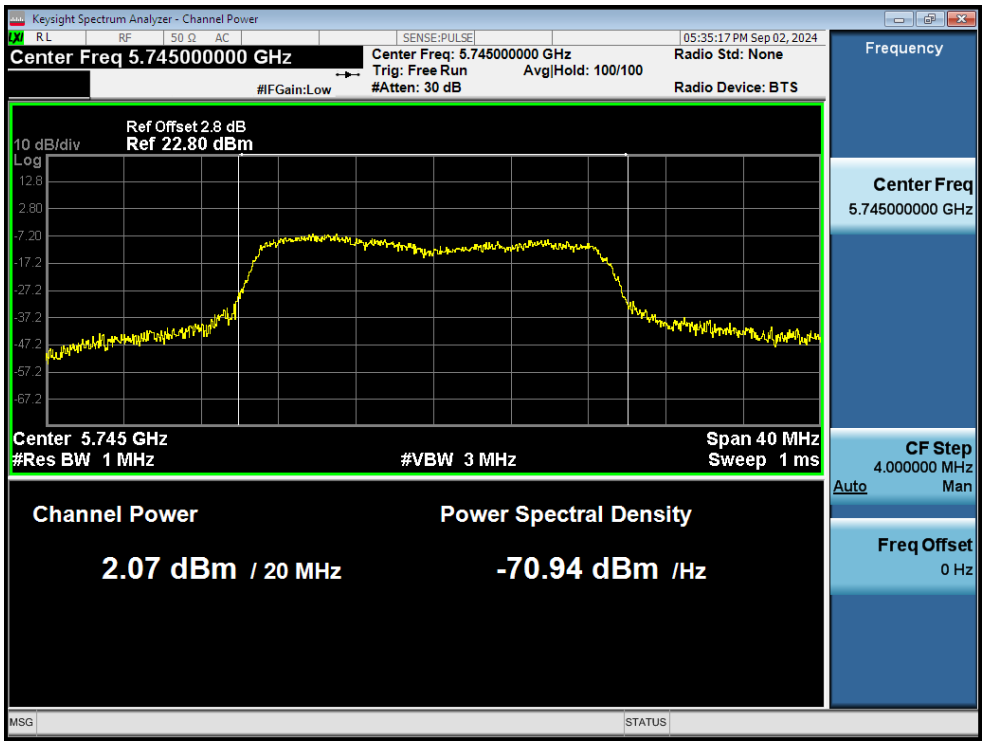
Power NVNT a 5745MHz Ant1



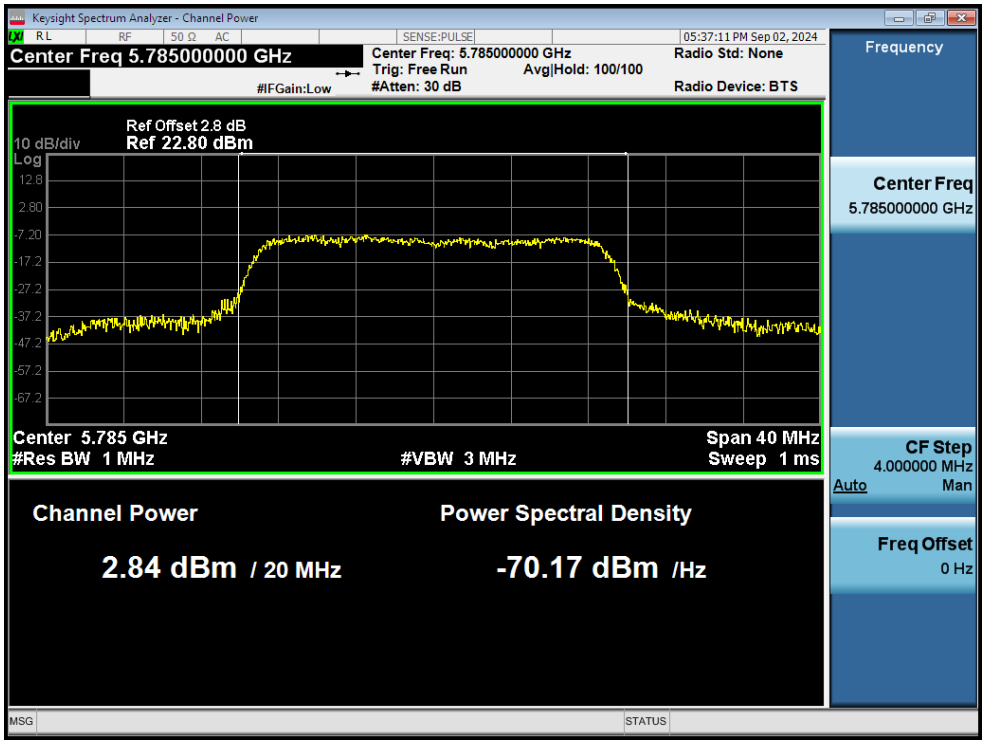
Power NVNT a 5785MHz Ant1



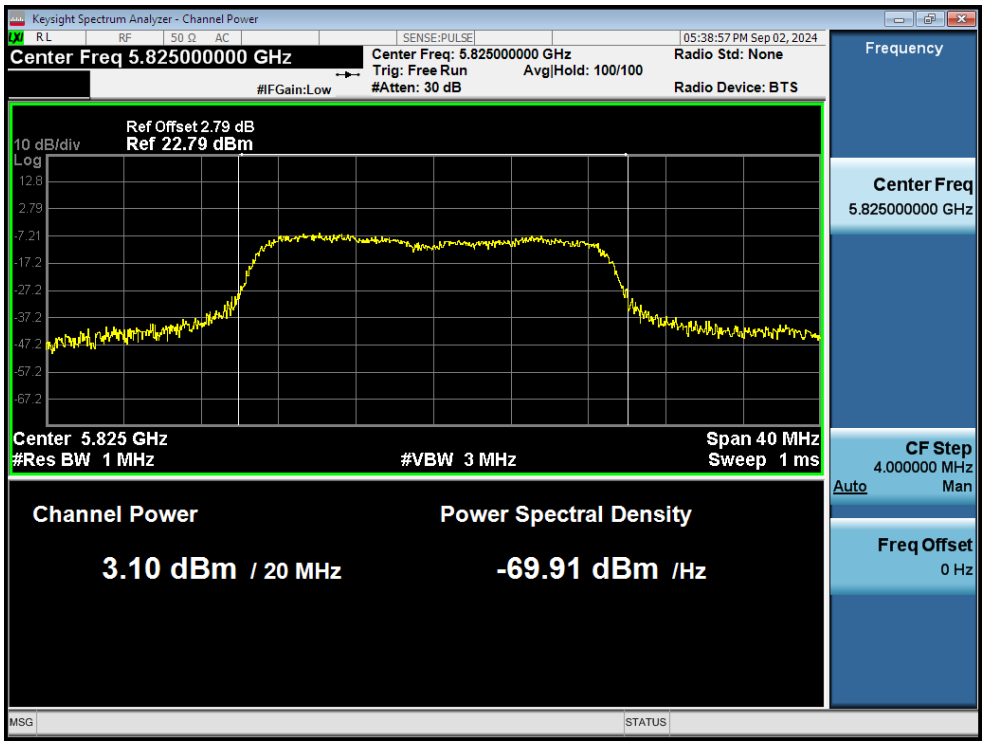
Power NVNT a 5825MHz Ant1



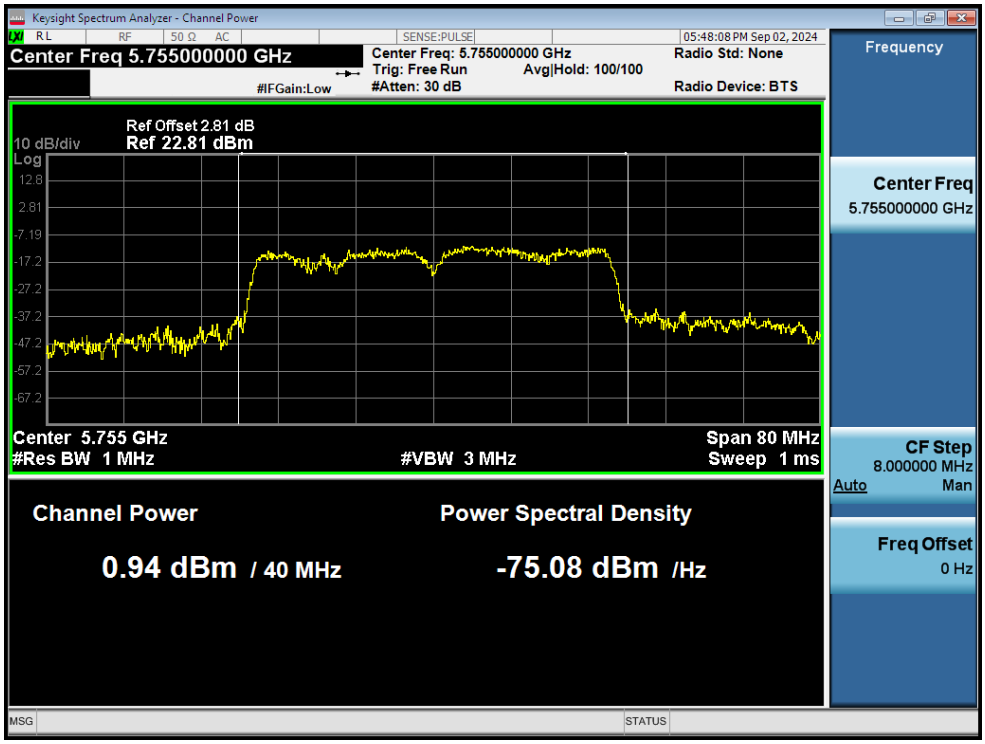
Power NVNT n20 5745MHz Ant1



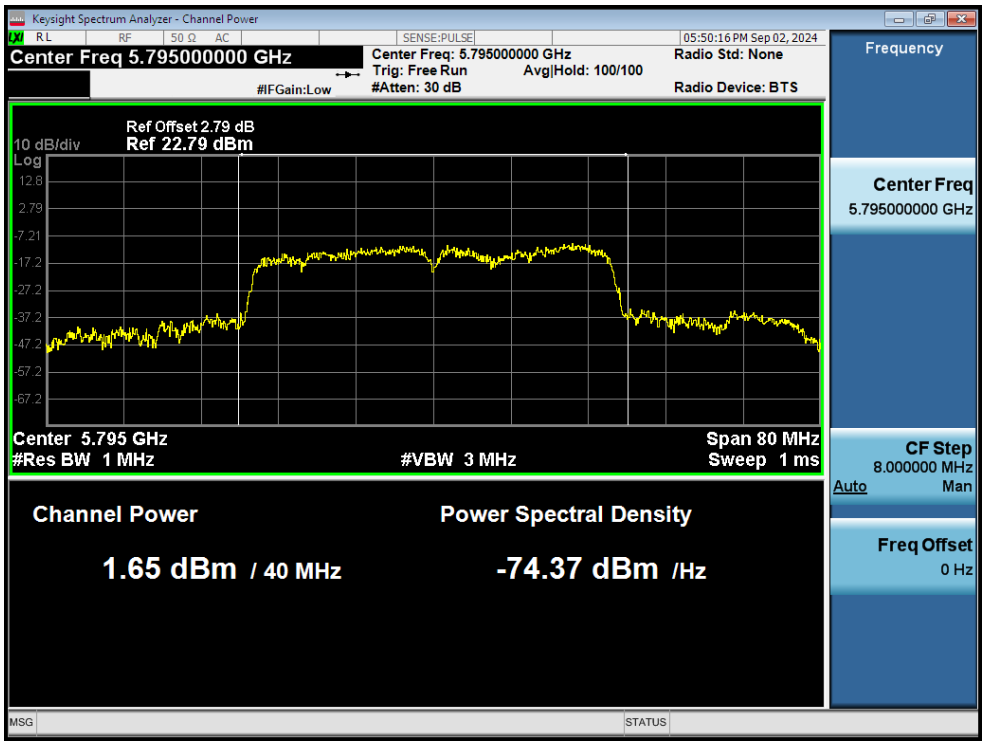
Power NVNT n20 5785MHz Ant1



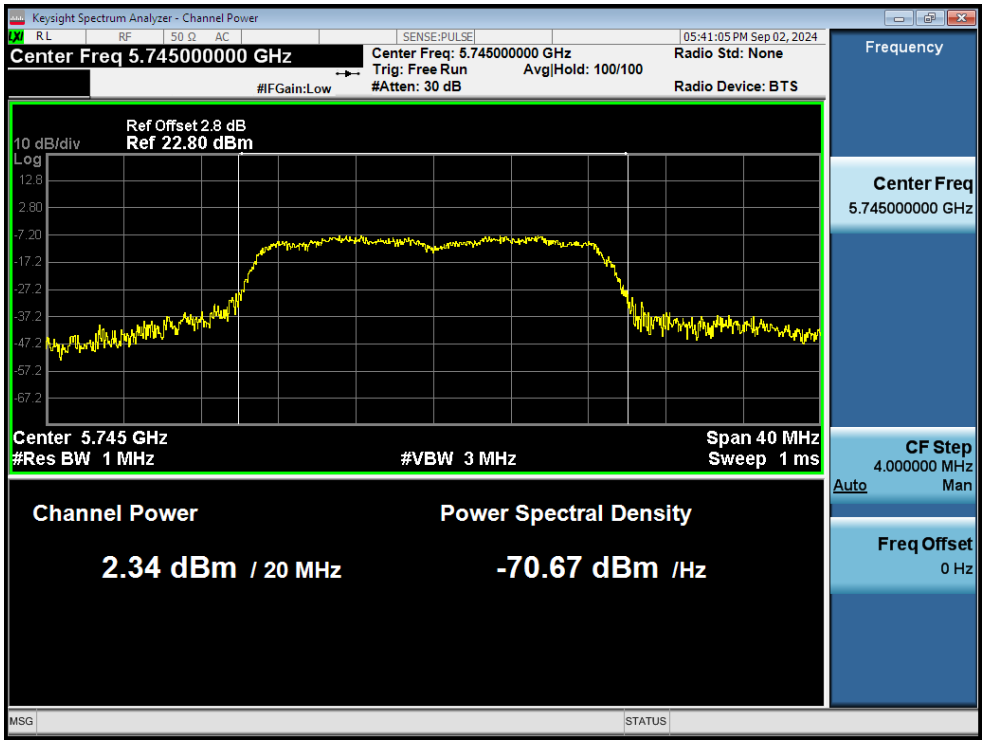
Power NVNT n20 5825MHz Ant1



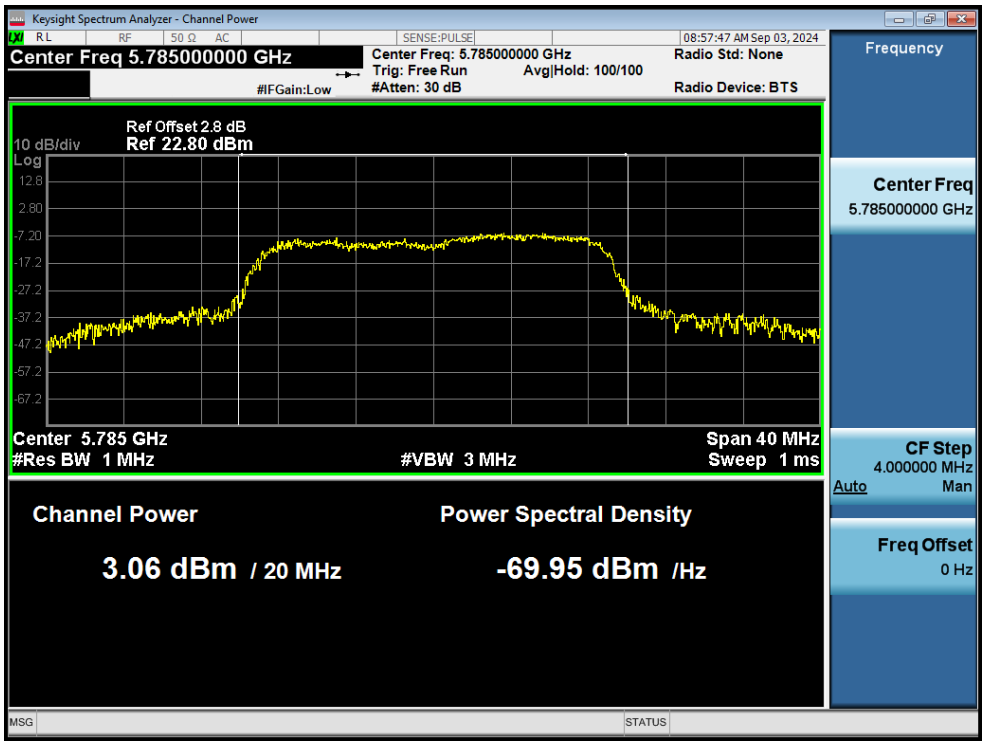
Power NVNT n40 5755MHz Ant1



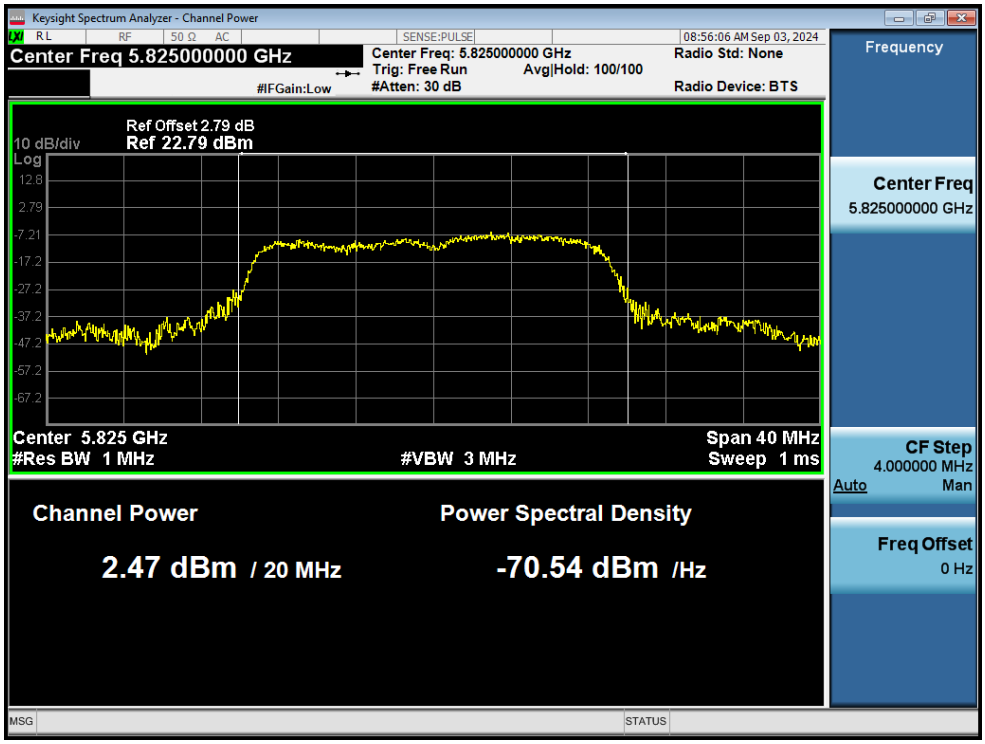
Power NVNT n40 5795MHz Ant1



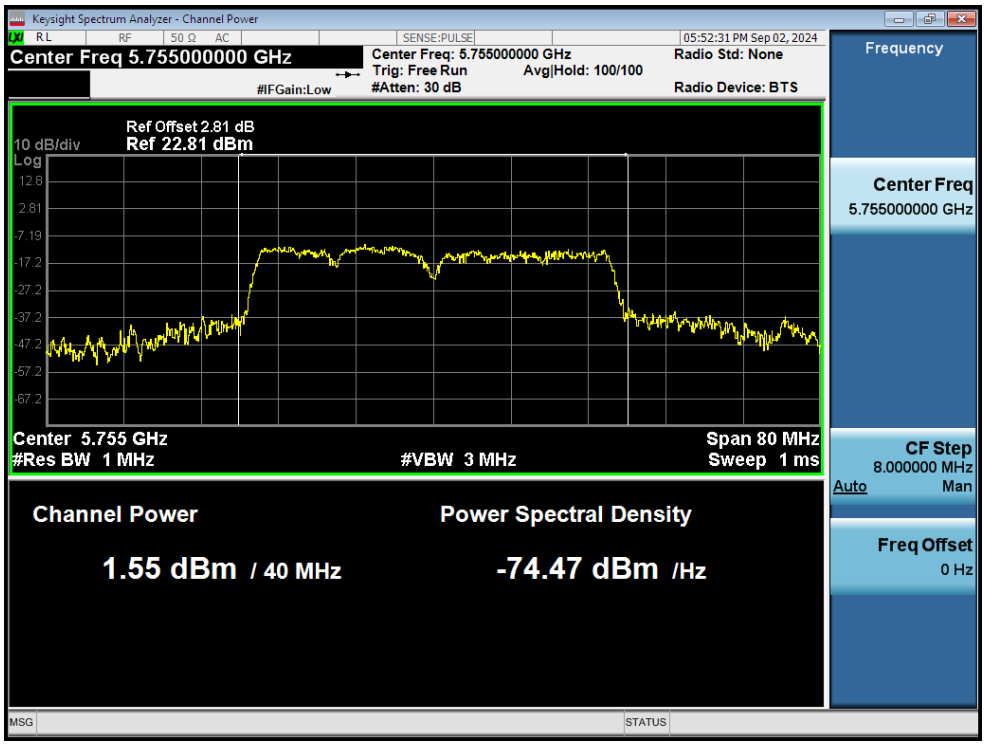
Power NVNT ac20 5745MHz Ant1



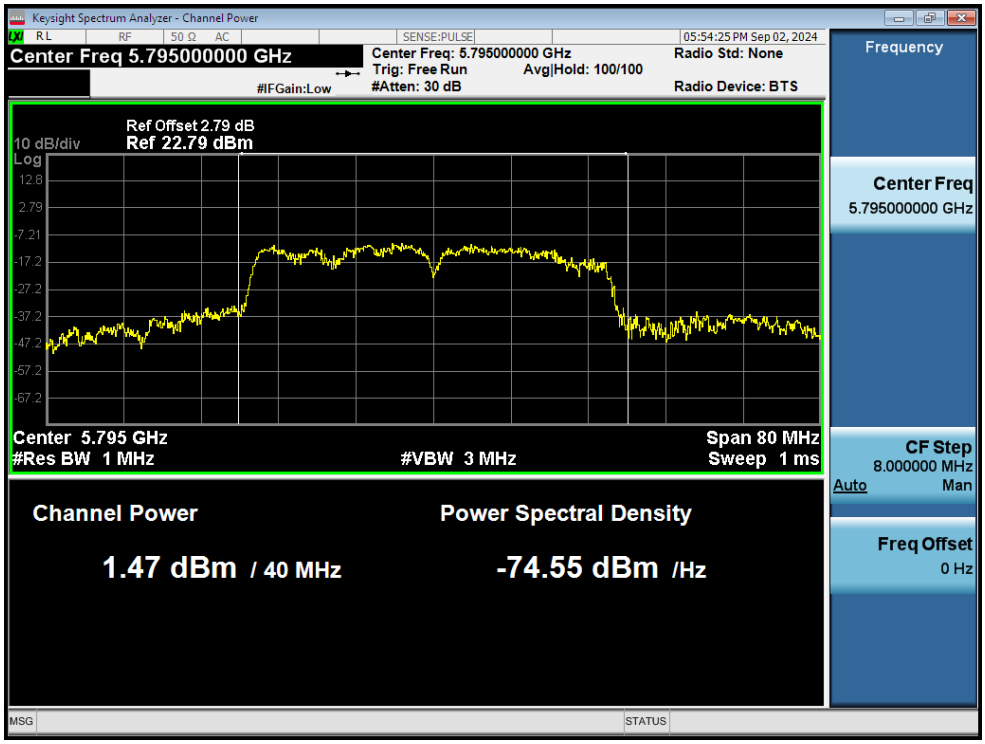
Power NVNT ac20 5785MHz Ant1



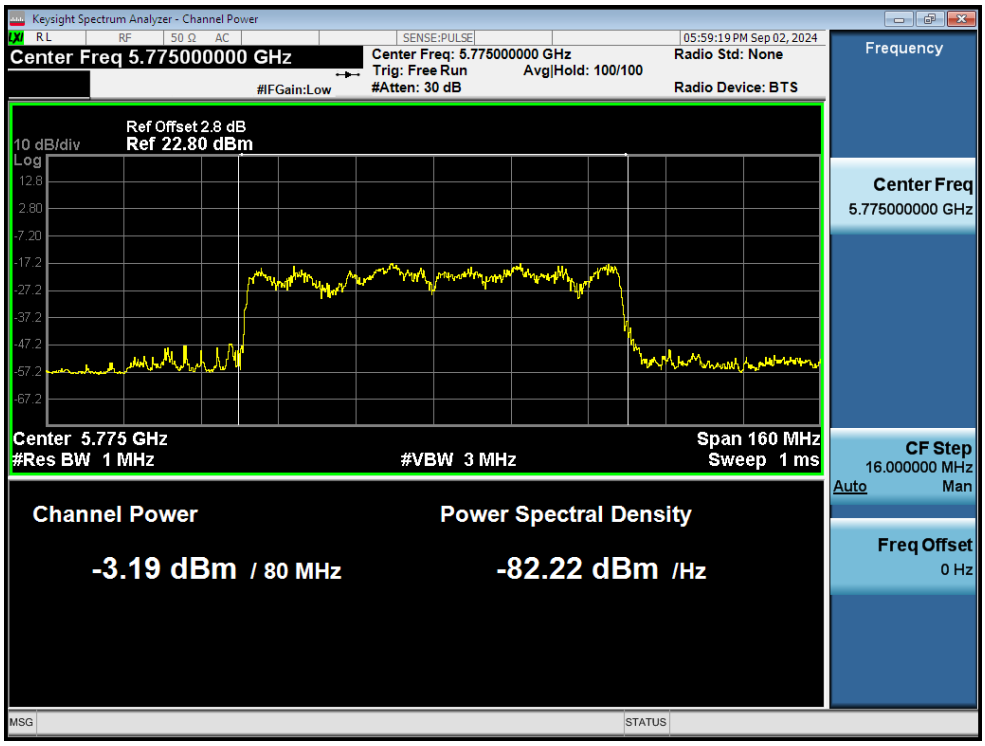
Power NVNT ac20 5825MHz Ant1



Power NVNT ac40 5755MHz Ant1



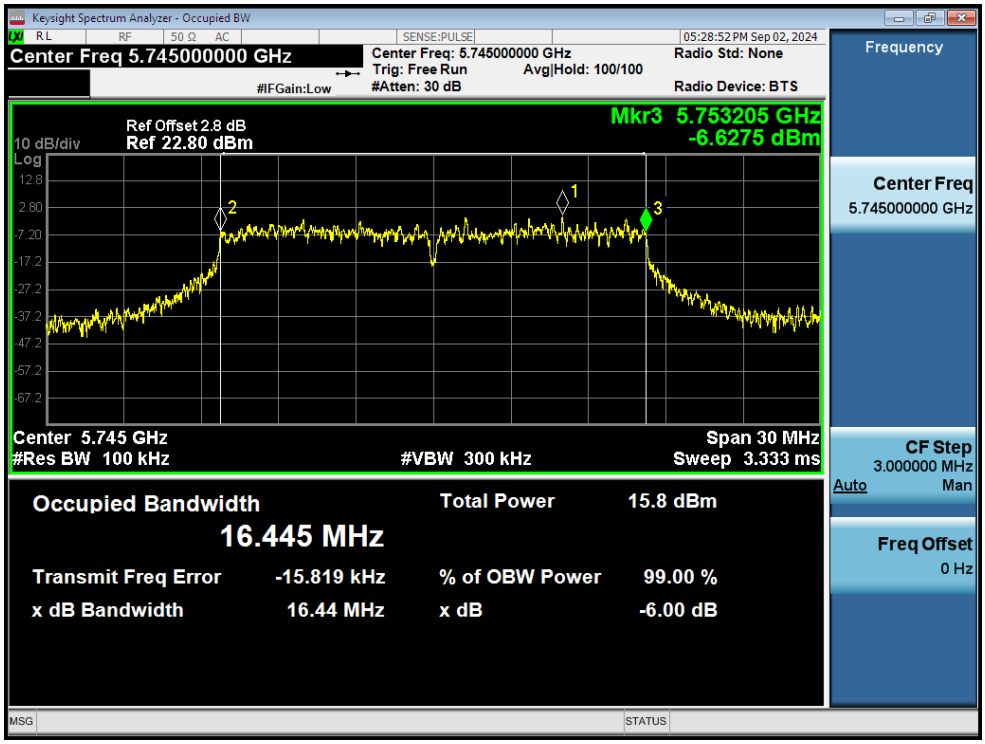
Power NVNT ac40 5795MHz Ant1



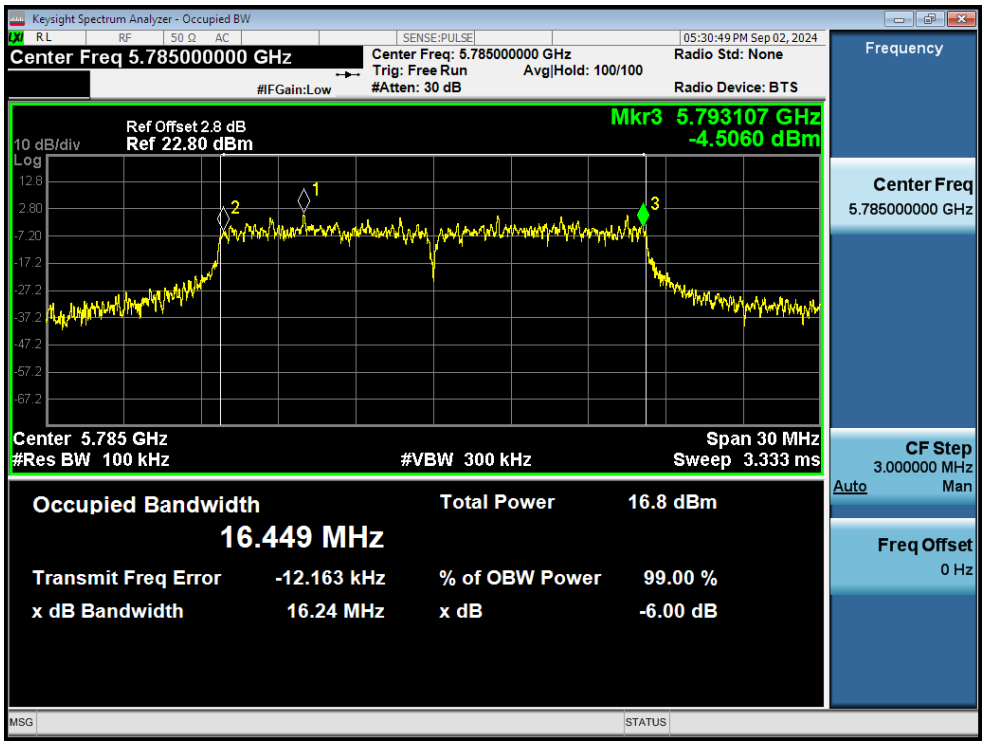
Power NVNT ac80 5775MHz Ant1

3. -6dB Bandwidth

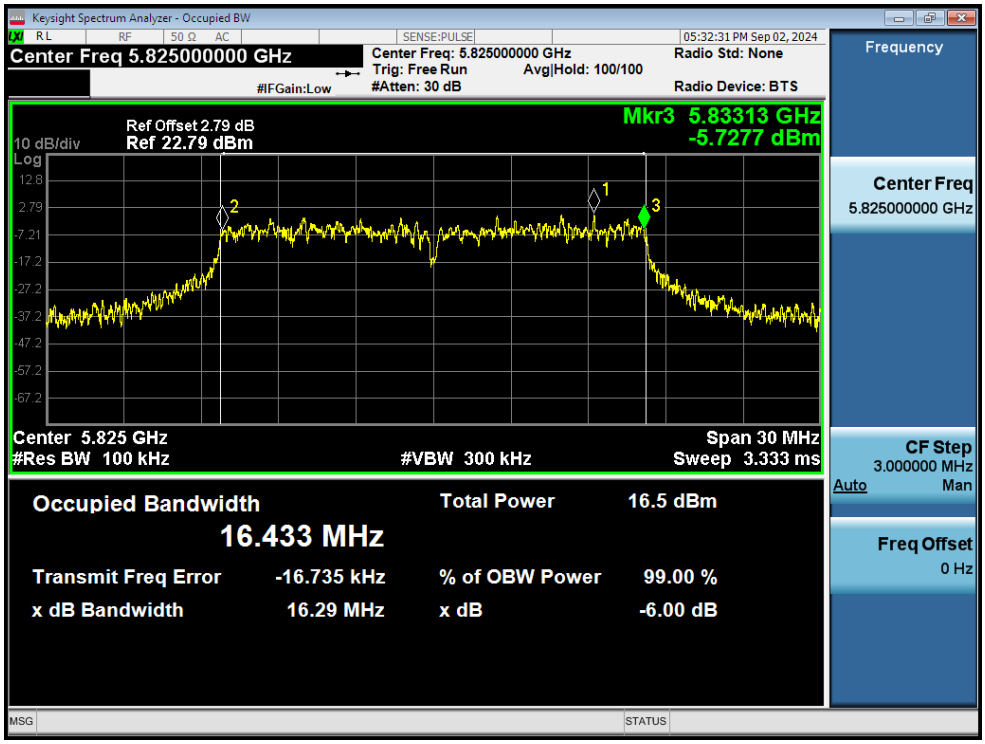
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.442	0.5	Pass
NVNT	a	5785	Ant1	16.239	0.5	Pass
NVNT	a	5825	Ant1	16.294	0.5	Pass
NVNT	n20	5745	Ant1	16.085	0.5	Pass
NVNT	n20	5785	Ant1	17.569	0.5	Pass
NVNT	n20	5825	Ant1	17.631	0.5	Pass
NVNT	n40	5755	Ant1	35.41	0.5	Pass
NVNT	n40	5795	Ant1	35.367	0.5	Pass
NVNT	ac20	5745	Ant1	17.299	0.5	Pass
NVNT	ac20	5785	Ant1	17.057	0.5	Pass
NVNT	ac20	5825	Ant1	17.524	0.5	Pass
NVNT	ac40	5755	Ant1	35.445	0.5	Pass
NVNT	ac40	5795	Ant1	35.152	0.5	Pass
NVNT	ac80	5775	Ant1	75.033	0.5	Pass



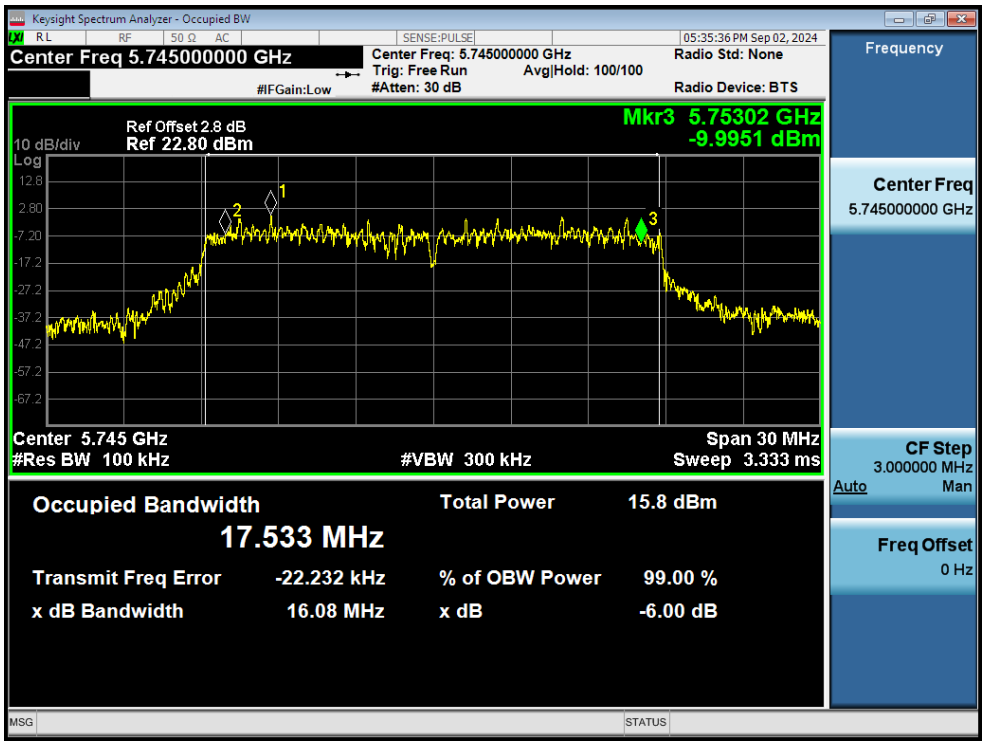
-6dB Bandwidth NVNT a 5745MHz Ant1



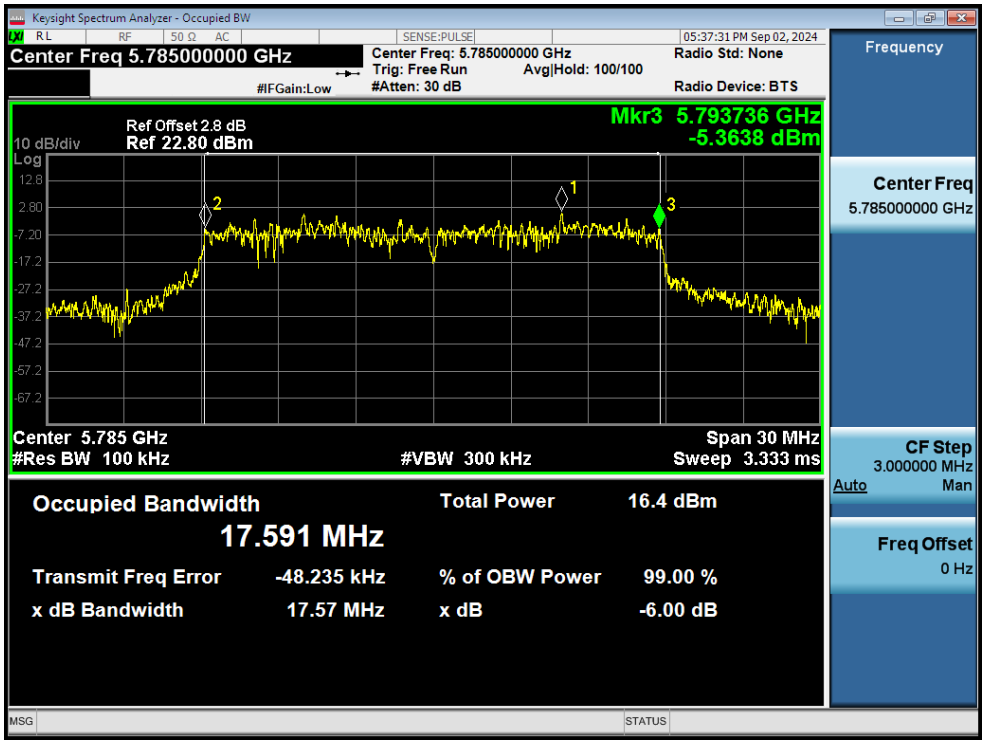
-6dB Bandwidth NVNT a 5785MHz Ant1



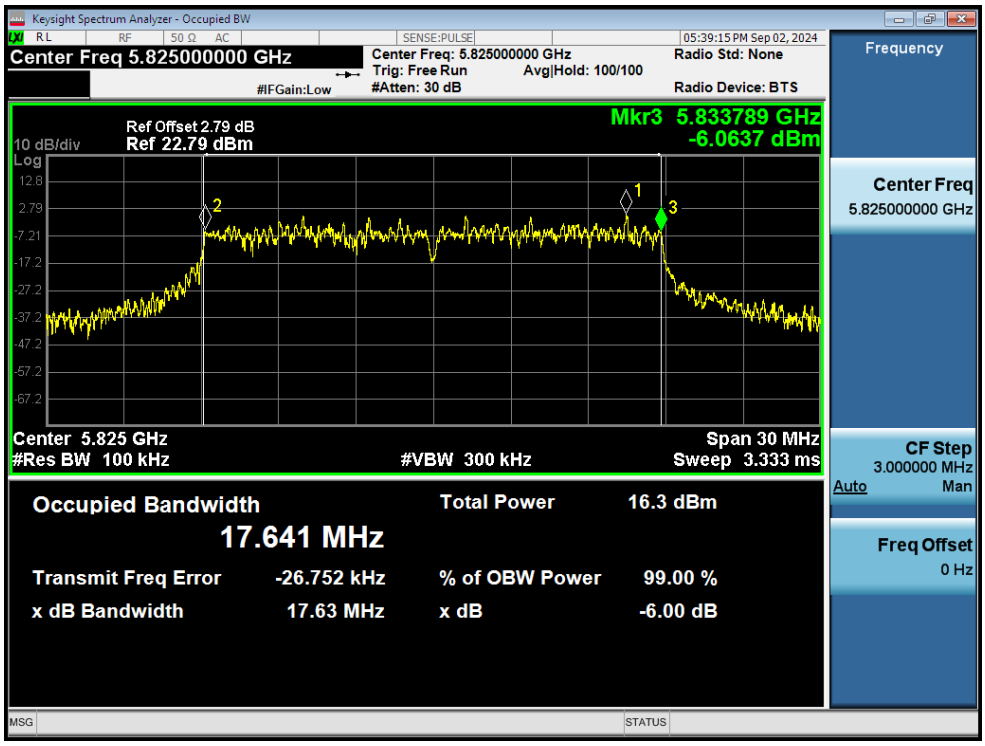
-6dB Bandwidth NVNT a 5825MHz Ant1



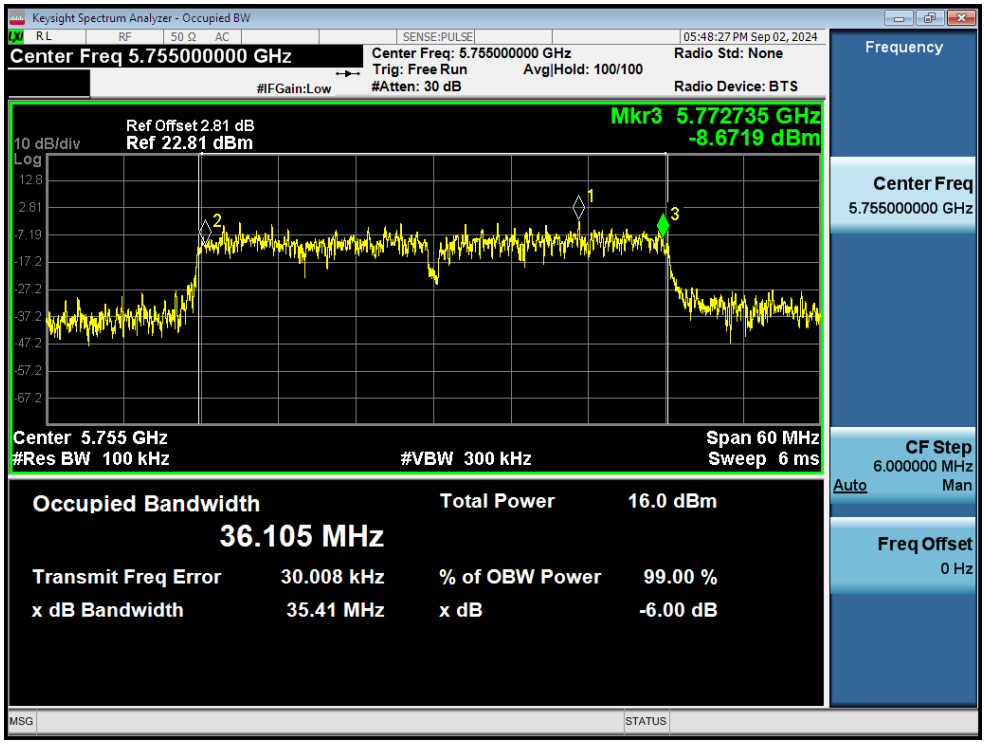
-6dB Bandwidth NVNT n20 5745MHz Ant1



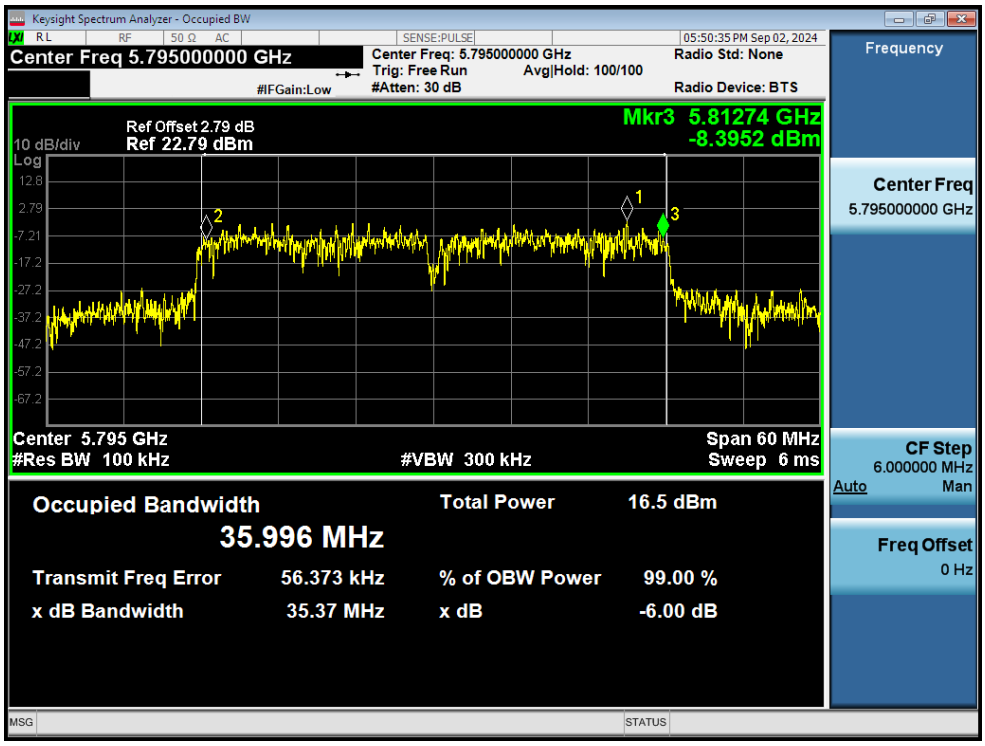
-6dB Bandwidth NVNT n20 5785MHz Ant1



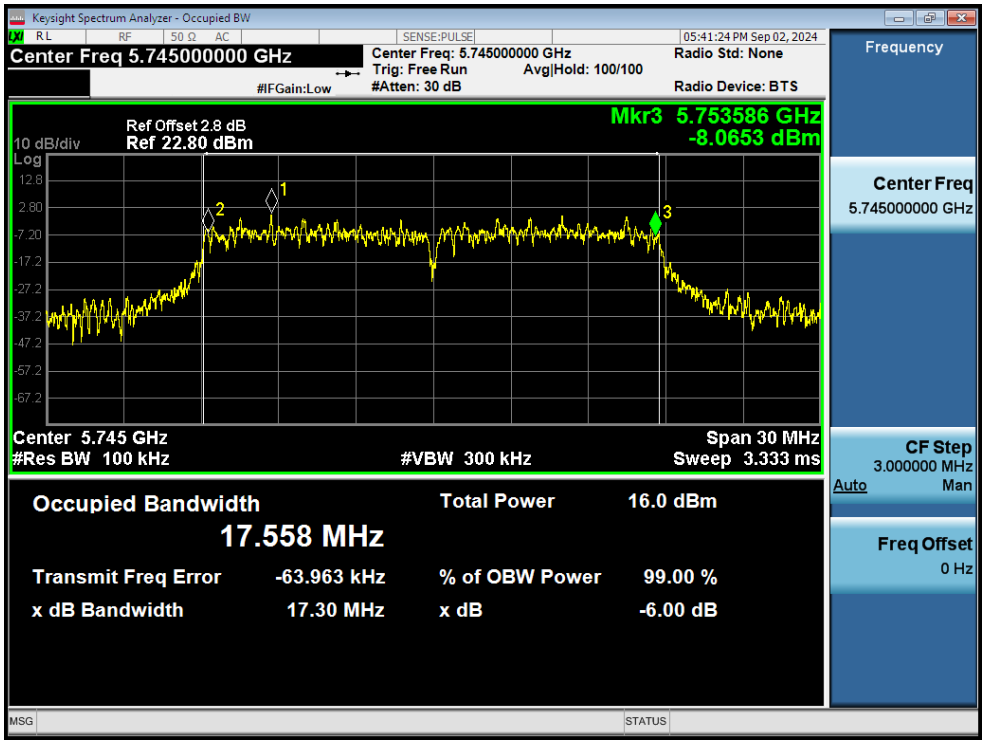
-6dB Bandwidth NVNT n20 5825MHz Ant1



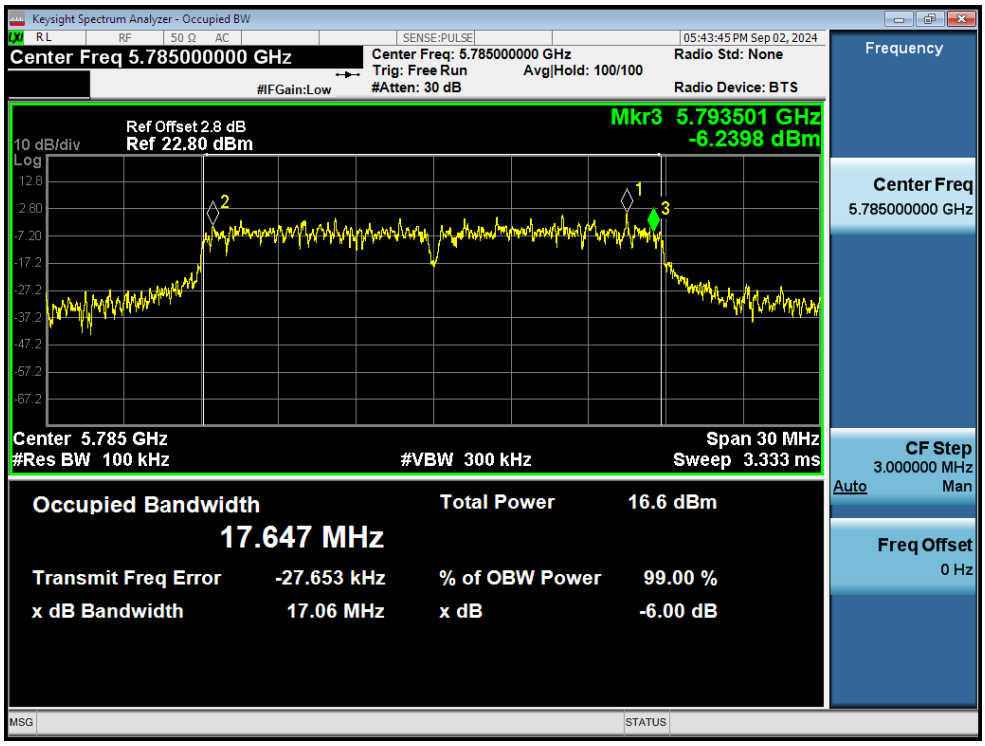
-6dB Bandwidth NVNT n40 5755MHz Ant1



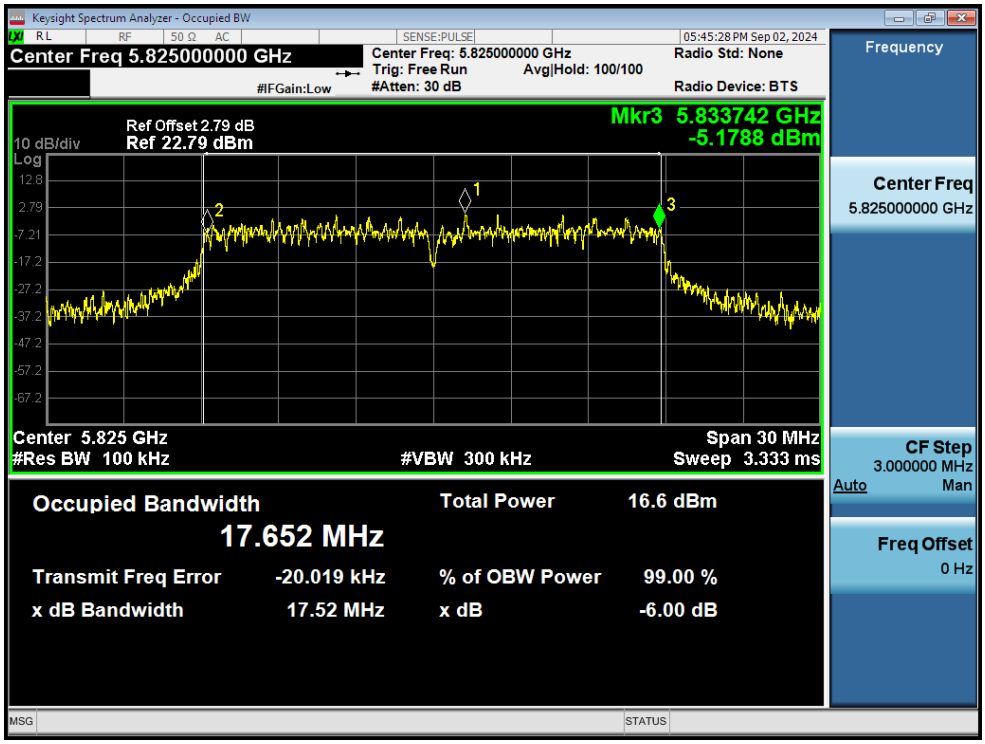
-6dB Bandwidth NVNT n40 5795MHz Ant1



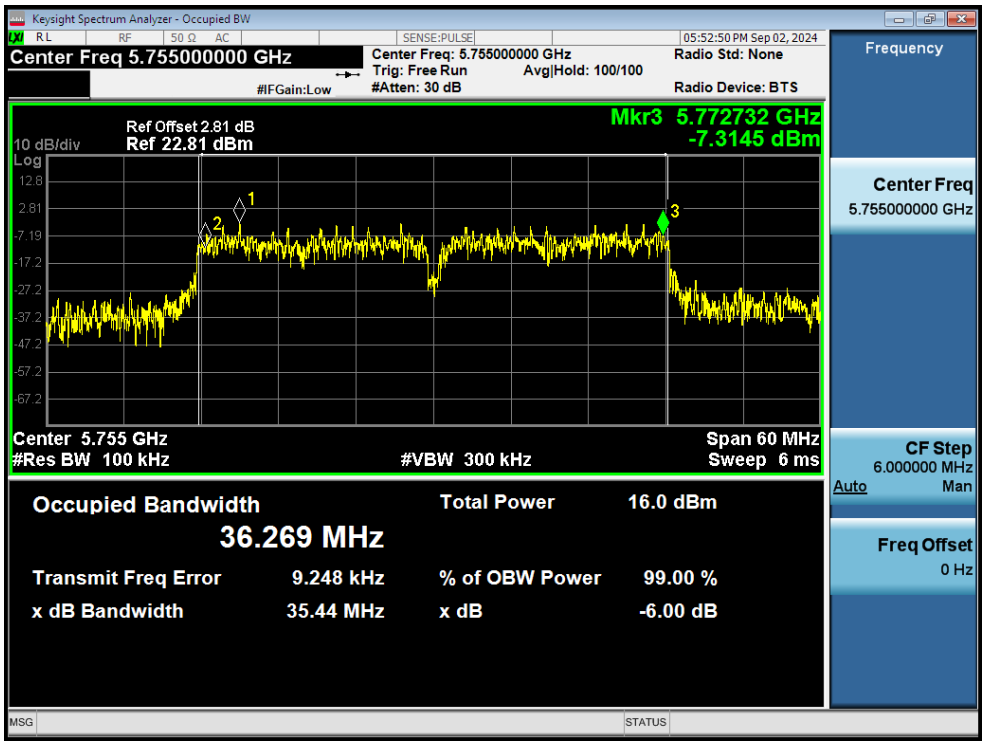
-6dB Bandwidth NVNT ac20 5745MHz Ant1



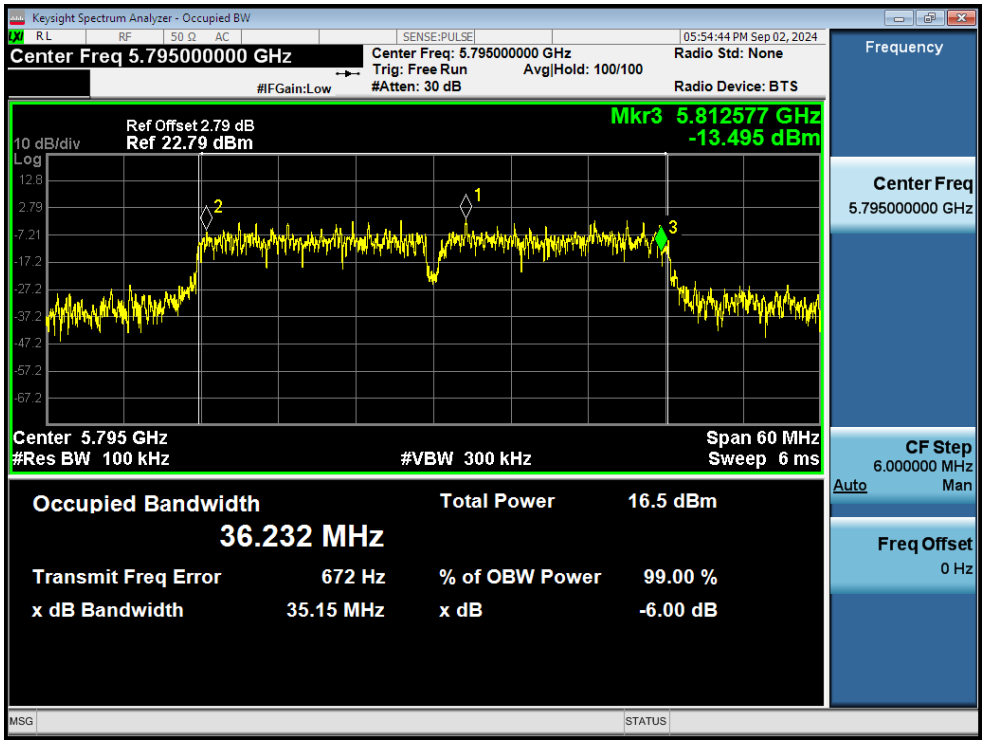
-6dB Bandwidth NVNT ac20 5785MHz Ant1



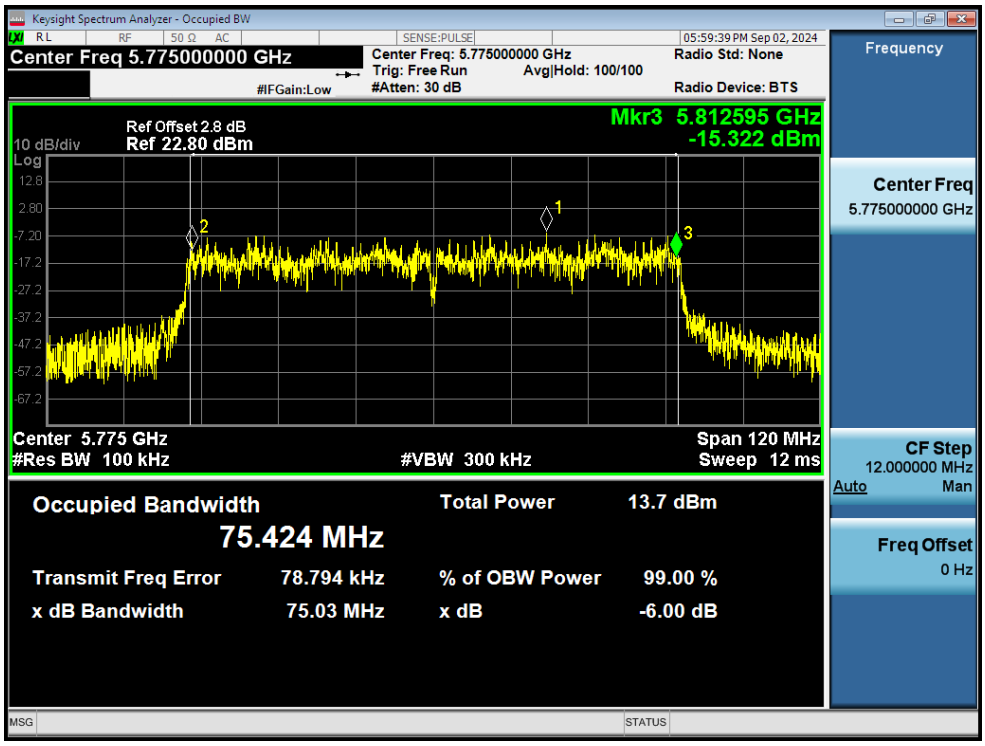
-6dB Bandwidth NVNT ac20 5825MHz Ant1



-6dB Bandwidth NVNT ac40 5755MHz Ant1



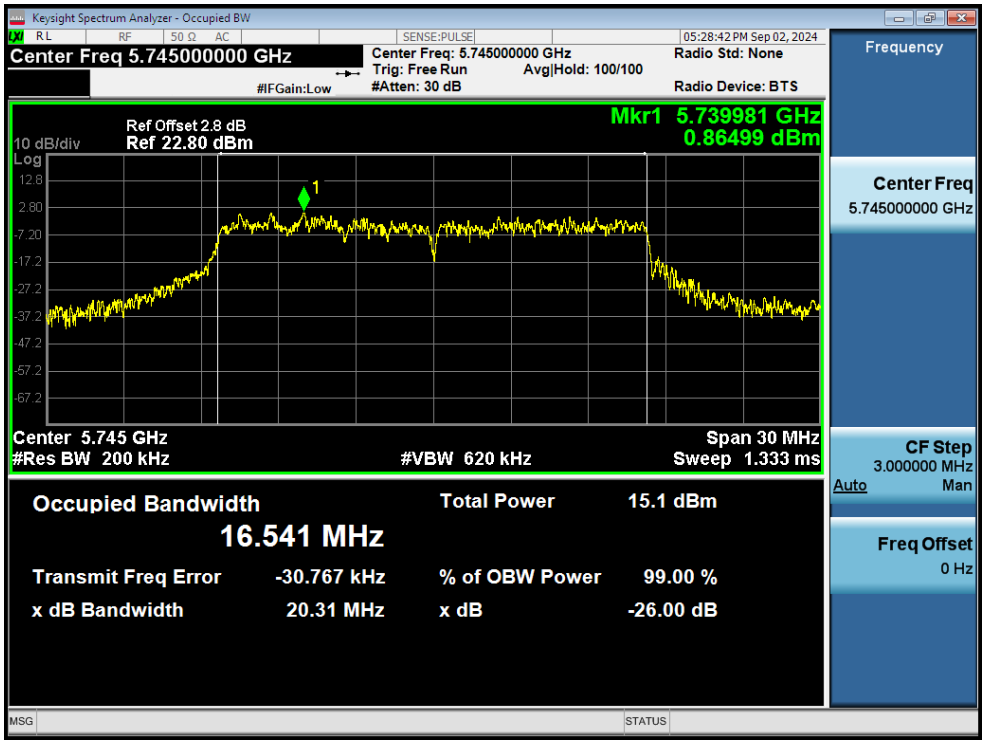
-6dB Bandwidth NVNT ac40 5795MHz Ant1



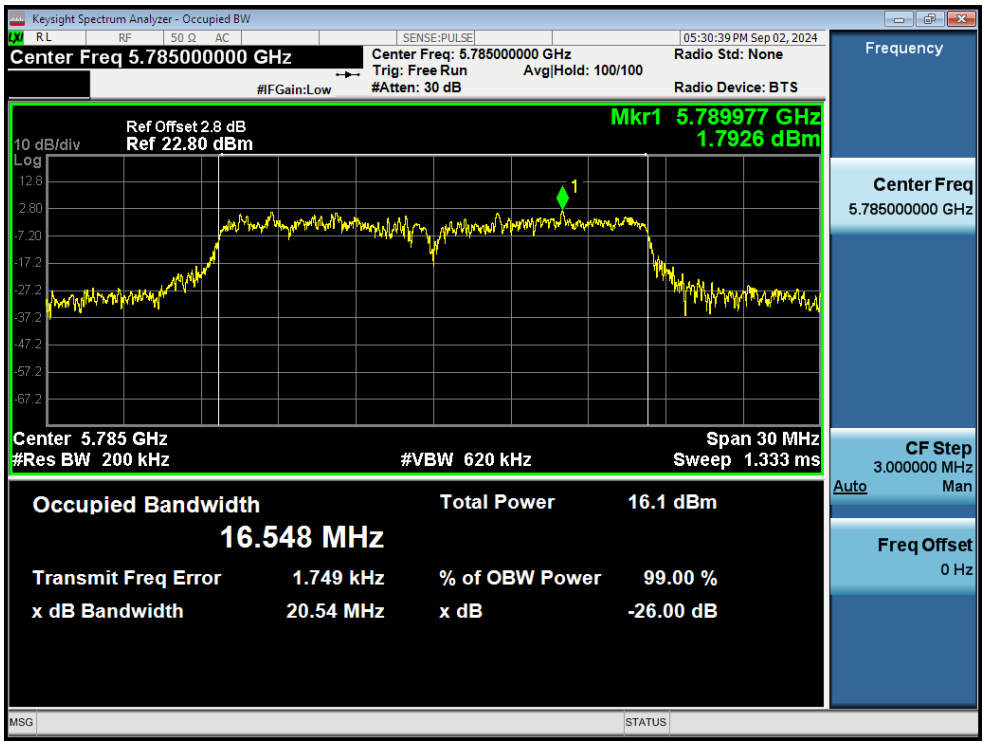
-6dB Bandwidth NVNT ac80 5775MHz Ant1

4. Occupied Channel Bandwidth

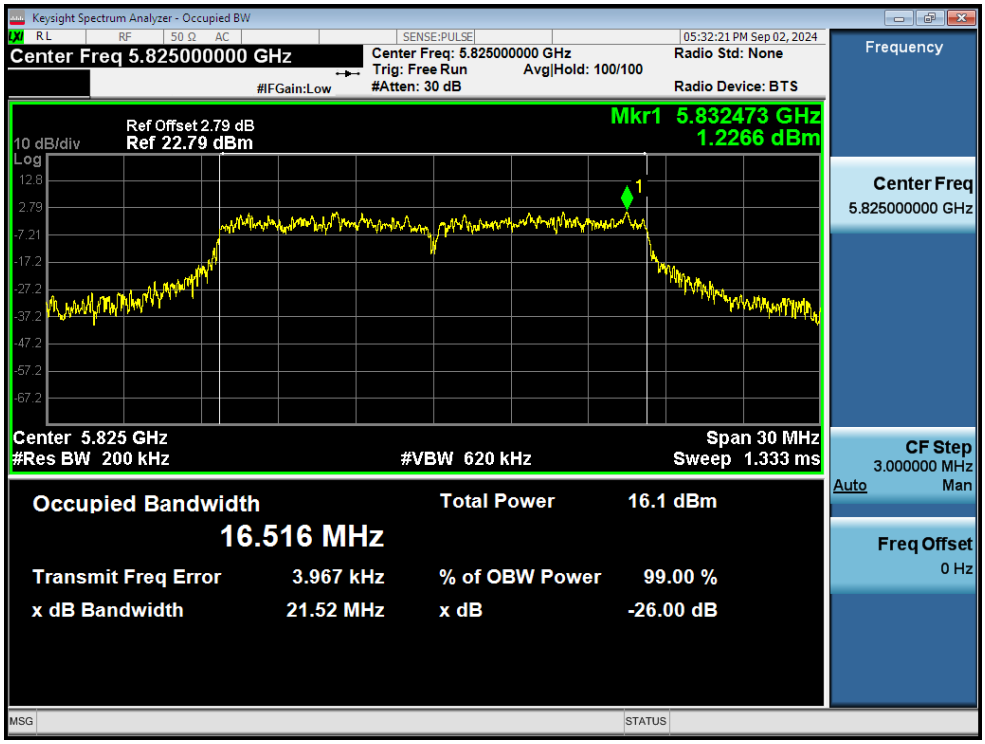
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.541
NVNT	a	5785	Ant1	16.548
NVNT	a	5825	Ant1	16.516
NVNT	n20	5745	Ant1	17.618
NVNT	n20	5785	Ant1	17.664
NVNT	n20	5825	Ant1	17.678
NVNT	n40	5755	Ant1	36.308
NVNT	n40	5795	Ant1	36.154
NVNT	ac20	5745	Ant1	17.687
NVNT	ac20	5785	Ant1	17.647
NVNT	ac20	5825	Ant1	17.691
NVNT	ac40	5755	Ant1	36.169
NVNT	ac40	5795	Ant1	36.393
NVNT	ac80	5775	Ant1	75.351



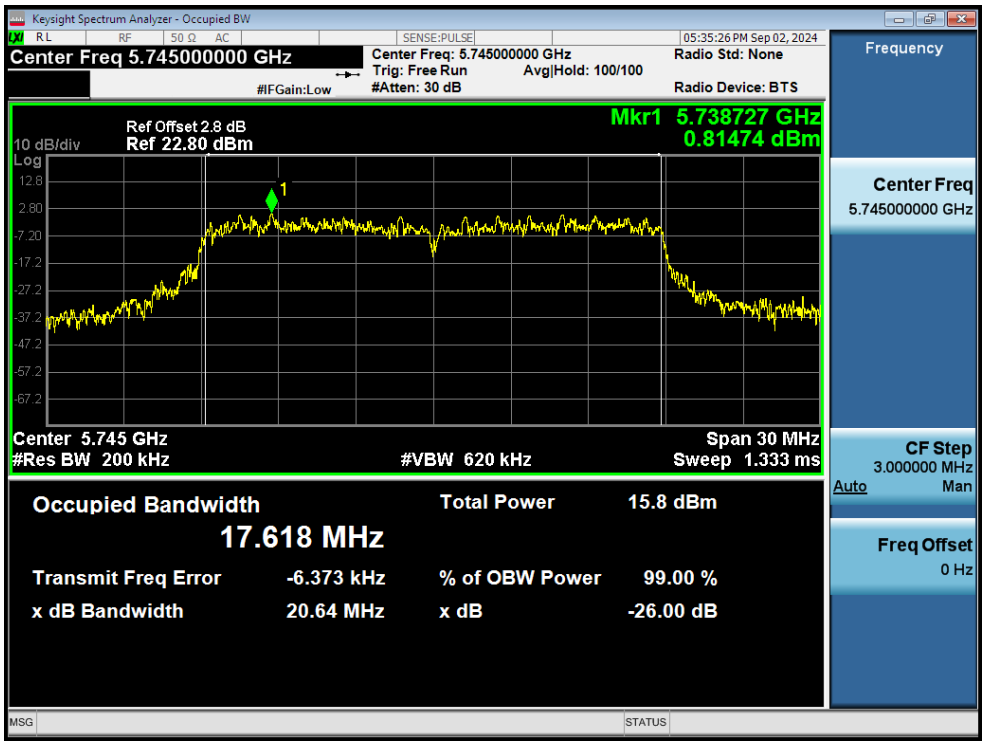
OBW NVNT a 5745MHz Ant1



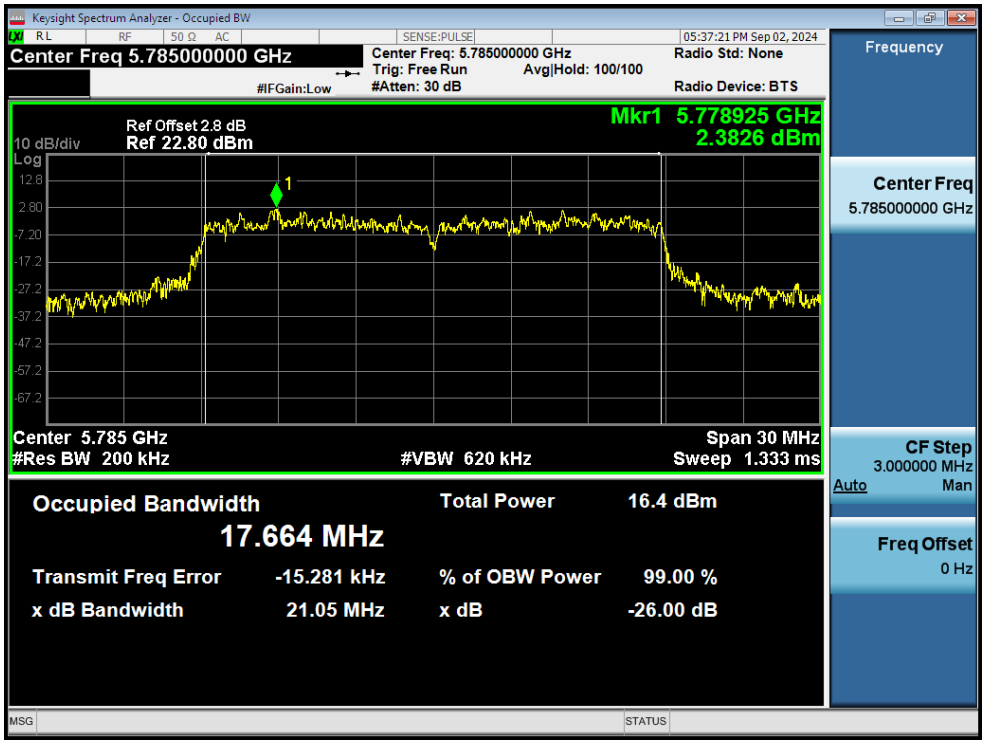
OBW NVNT a 5785MHz Ant1



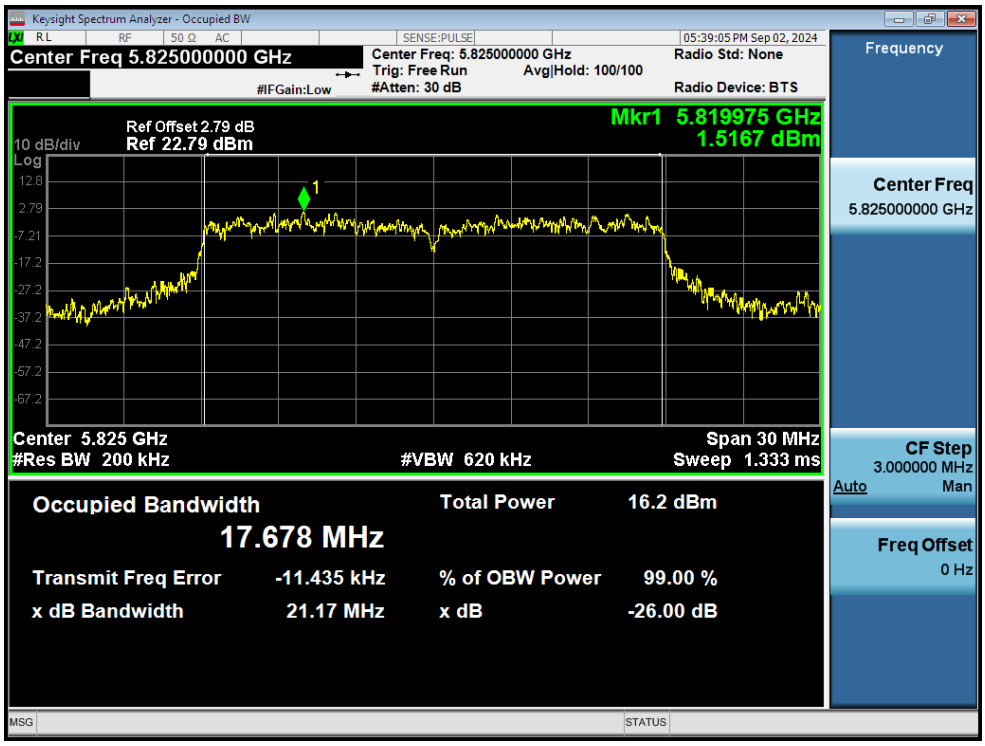
OBW NVNT a 5825MHz Ant1



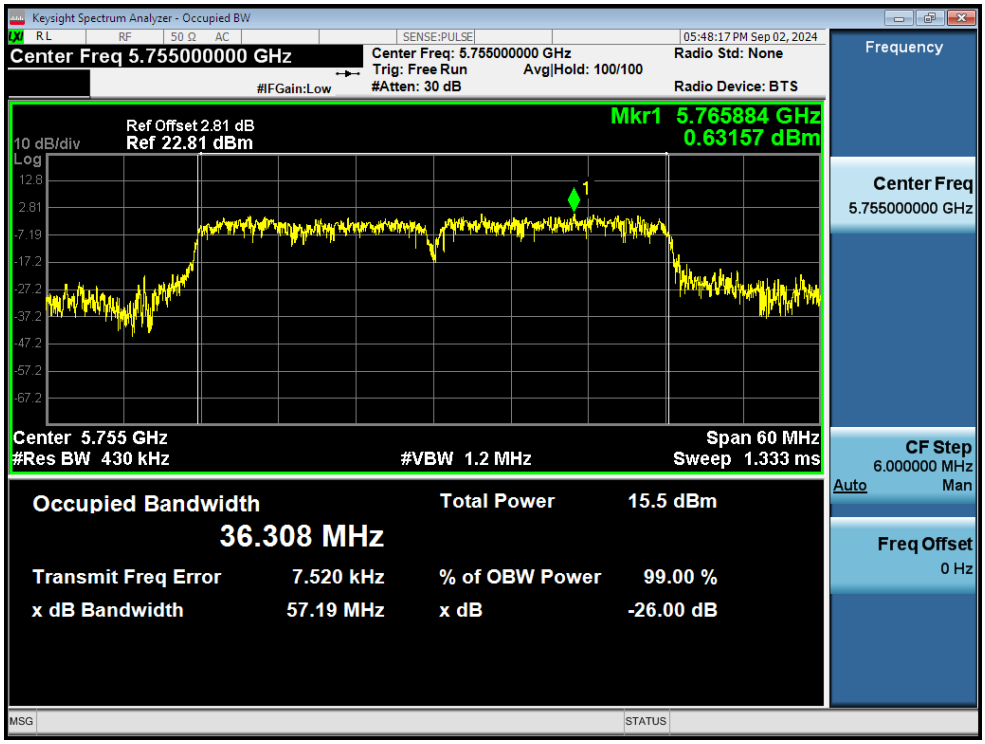
OBW NVNT n20 5745MHz Ant1



OBW NVNT n20 5785MHz Ant1

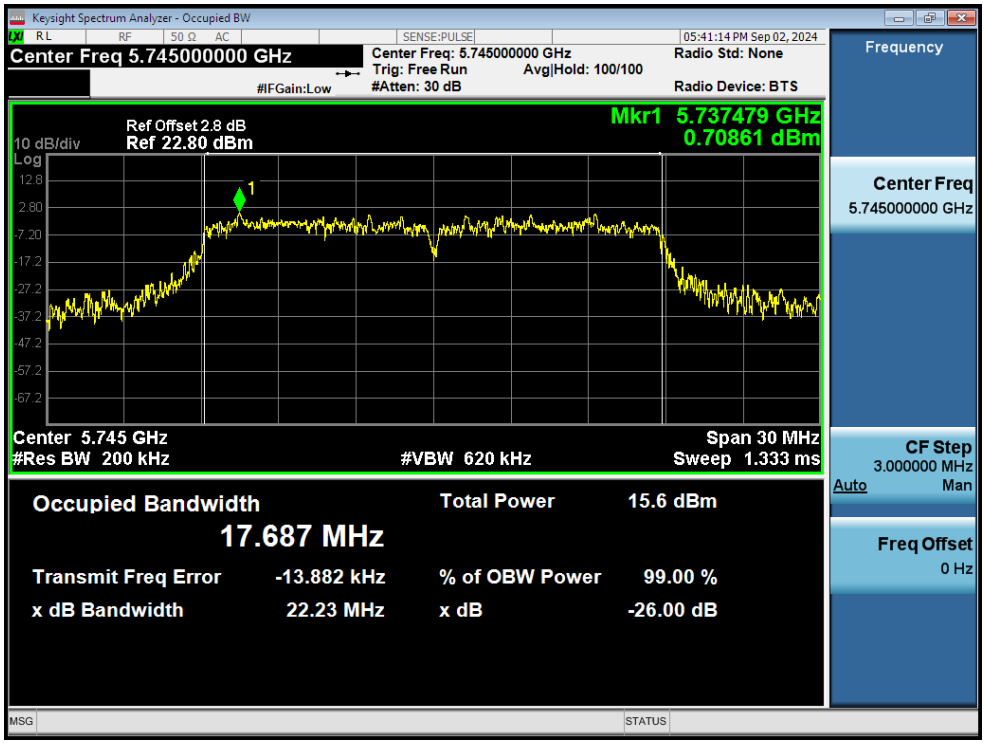


OBW NVNT n20 5825MHz Ant1

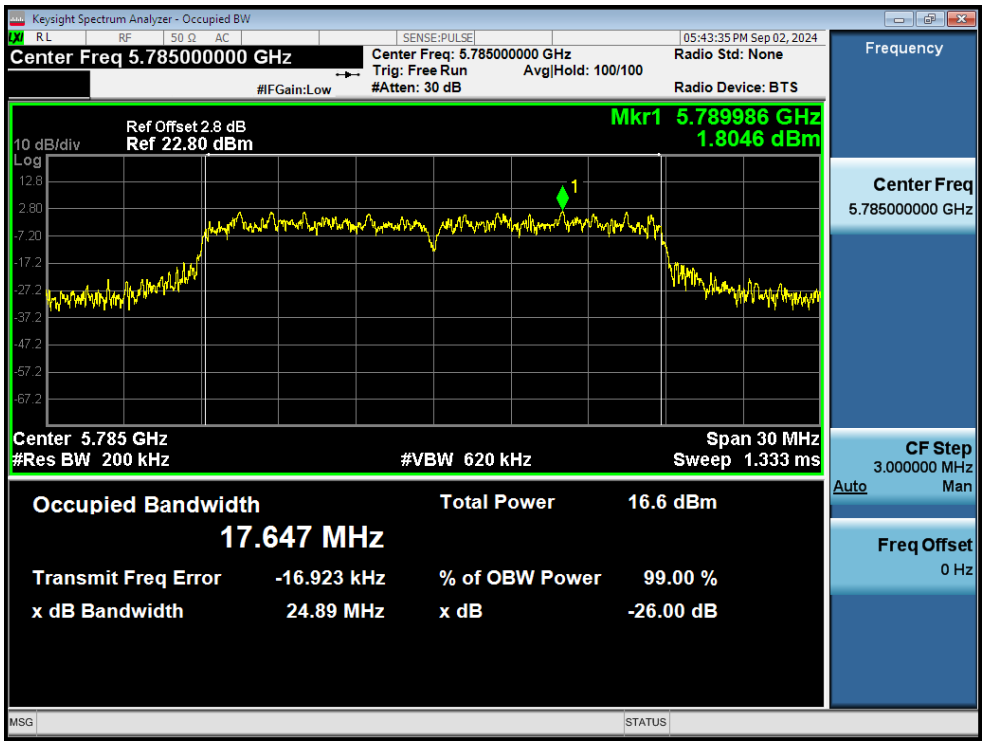


OBW NVNT n40 5755MHz Ant1

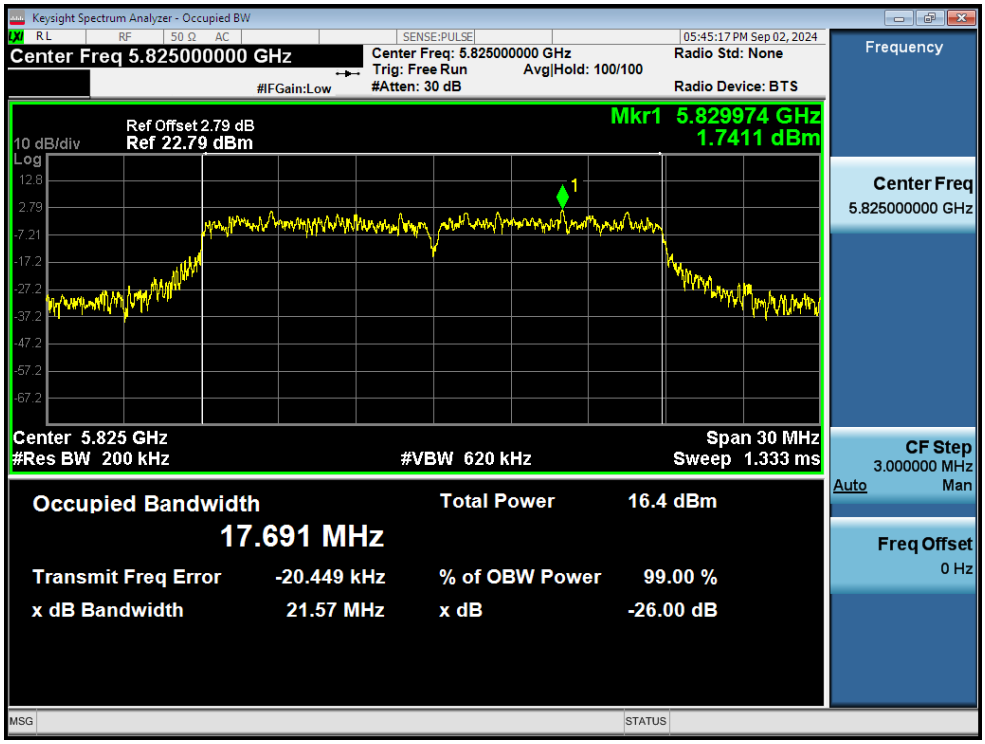
OBW NVNT n40 5795MHz Ant1



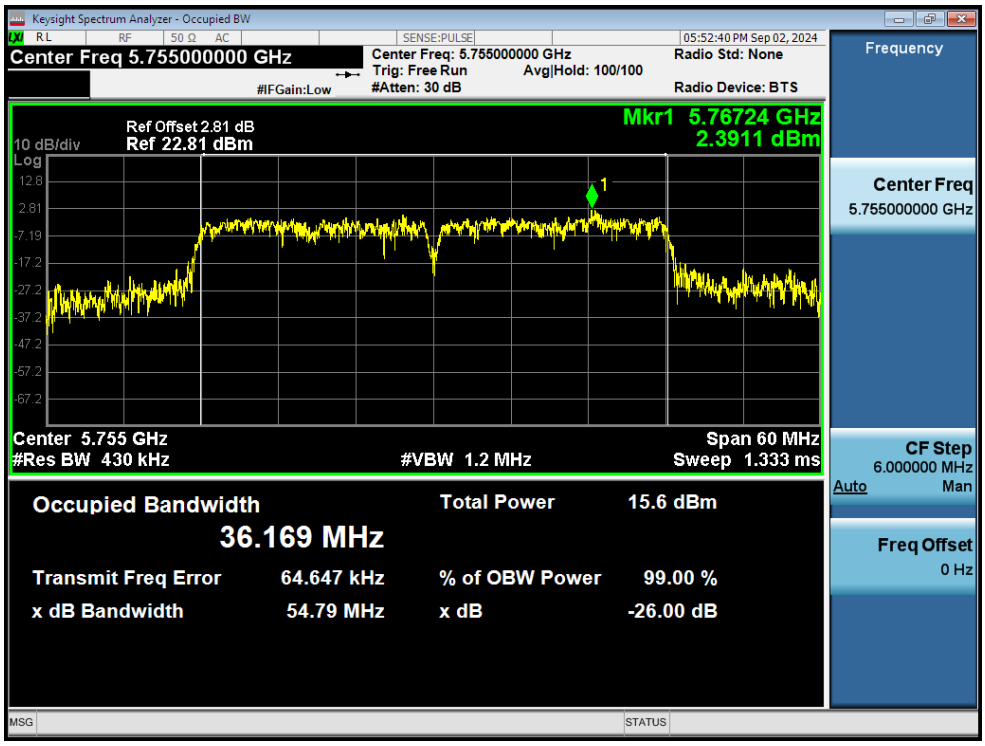
OBW NVNT ac20 5745MHz Ant1



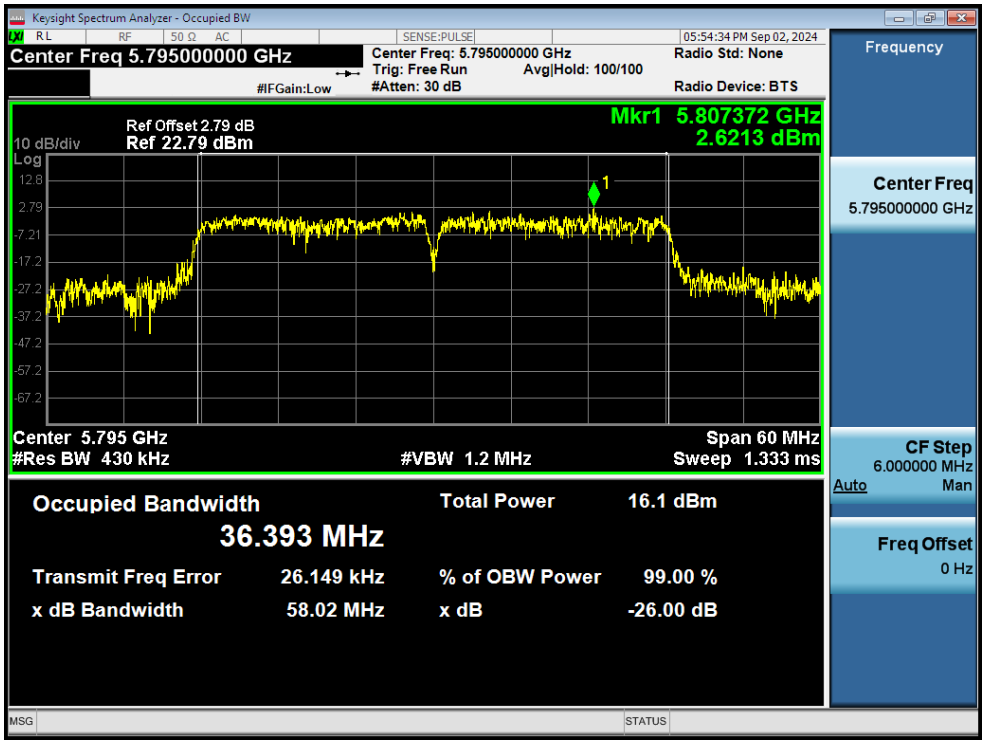
OBW NVNT ac20 5785MHz Ant1



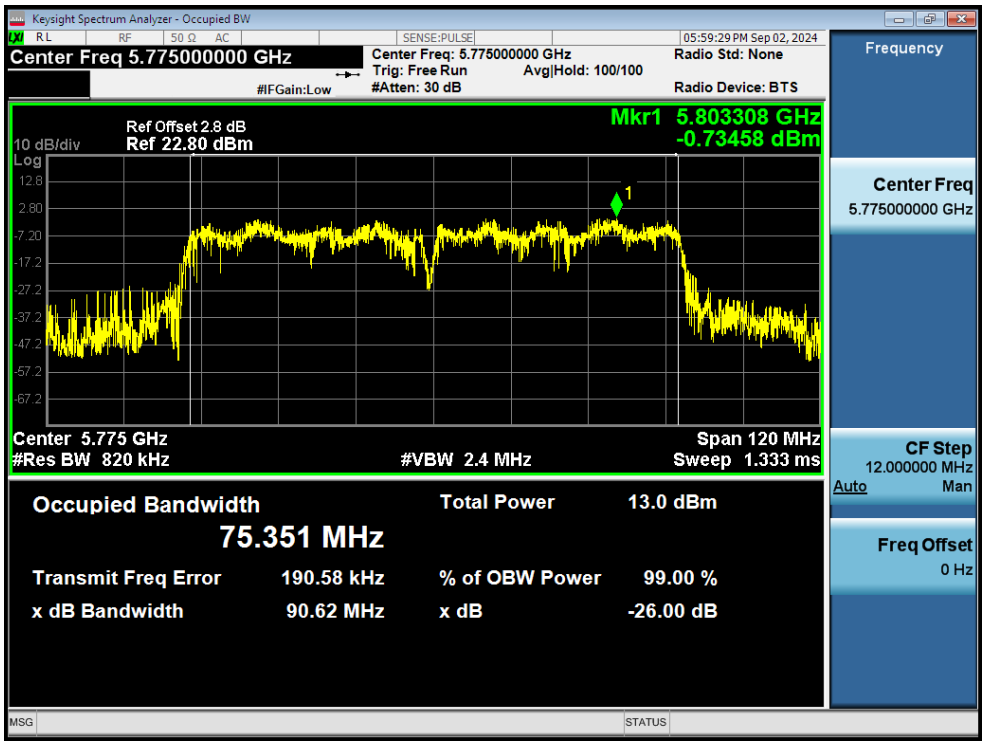
OBW NVNT ac20 5825MHz Ant1



OBW NVNT ac40 5755MHz Ant1



OBW NVNT ac40 5795MHz Ant1



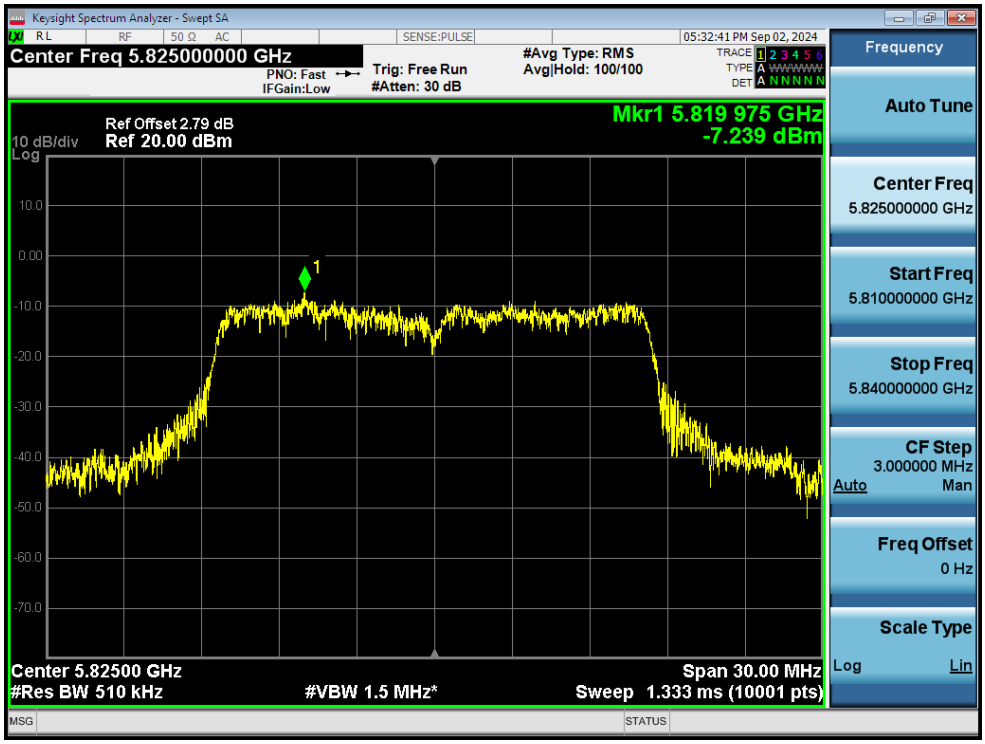
OBW NVNT ac80 5775MHz Ant1

5. Maximum Power Spectral Density Level

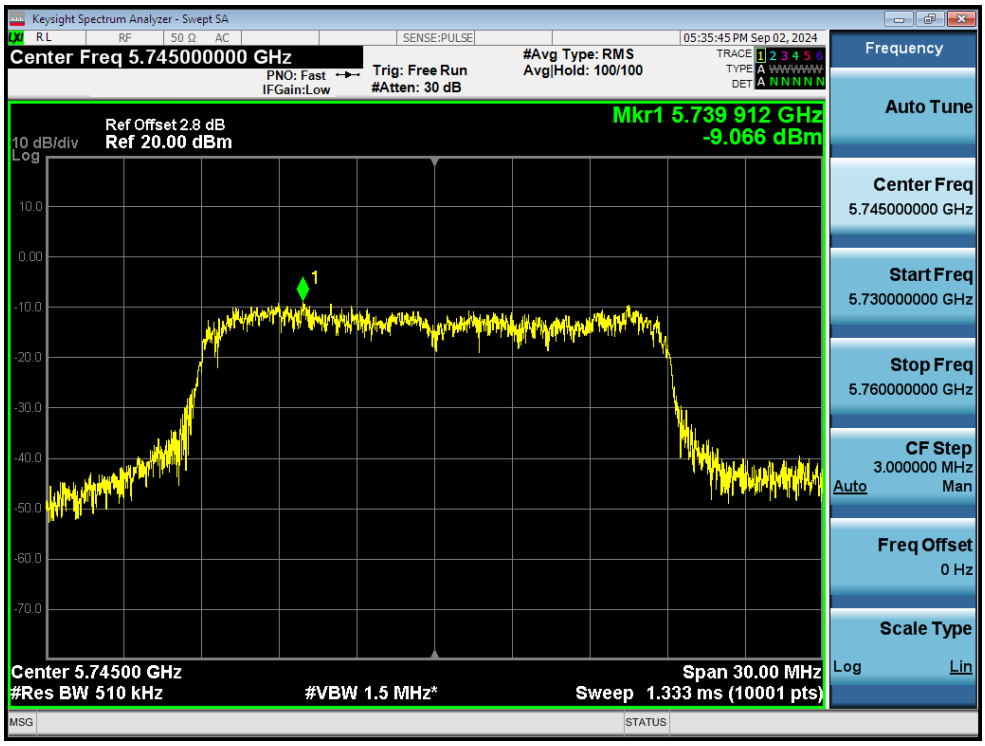
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-8.47	8.32	-0.15	30	Pass
NVNT	a	5785	Ant1	-7.92	8.32	0.4	30	Pass
NVNT	a	5825	Ant1	-7.24	8.3	1.06	30	Pass
NVNT	n20	5745	Ant1	-9.07	8.57	-0.5	30	Pass
NVNT	n20	5785	Ant1	-8.37	8.59	0.22	30	Pass
NVNT	n20	5825	Ant1	-8.5	8.57	0.07	30	Pass
NVNT	n40	5755	Ant1	-10.65	10.55	-0.1	30	Pass
NVNT	n40	5795	Ant1	-11.24	10.55	-0.69	30	Pass
NVNT	ac20	5745	Ant1	-9.64	8.96	-0.68	30	Pass
NVNT	ac20	5785	Ant1	-8.82	8.99	0.17	30	Pass
NVNT	ac20	5825	Ant1	-8.09	8.99	0.9	30	Pass
NVNT	ac40	5755	Ant1	-12.94	10.89	-2.05	30	Pass
NVNT	ac40	5795	Ant1	-12.34	10.89	-1.45	30	Pass
NVNT	ac80	5775	Ant1	-17.11	12.15	-4.96	30	Pass

PSD NVNT a 5745MHz Ant1

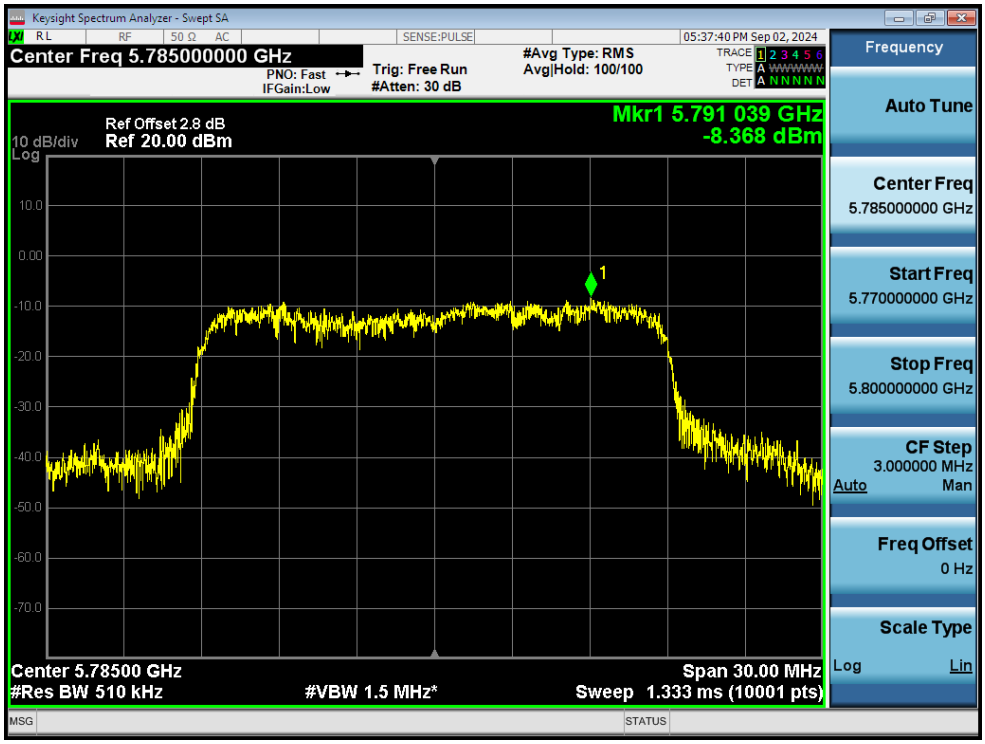
PSD NVNT a 5785MHz Ant1



PSD NVNT a 5825MHz Ant1

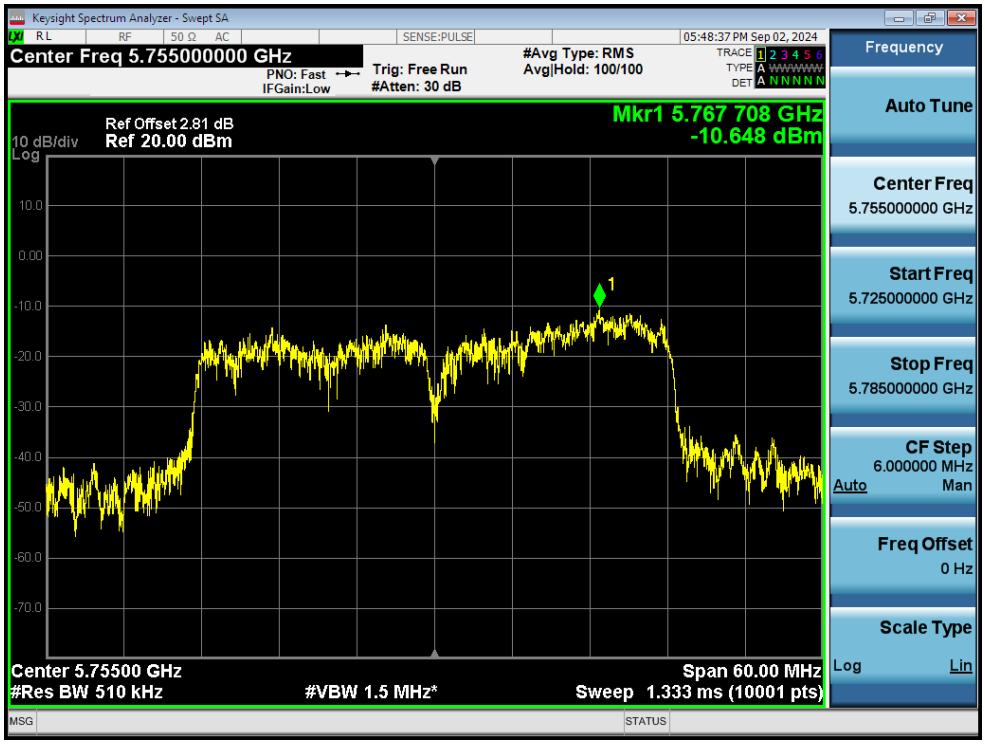


PSD NVNT n20 5745MHz Ant1

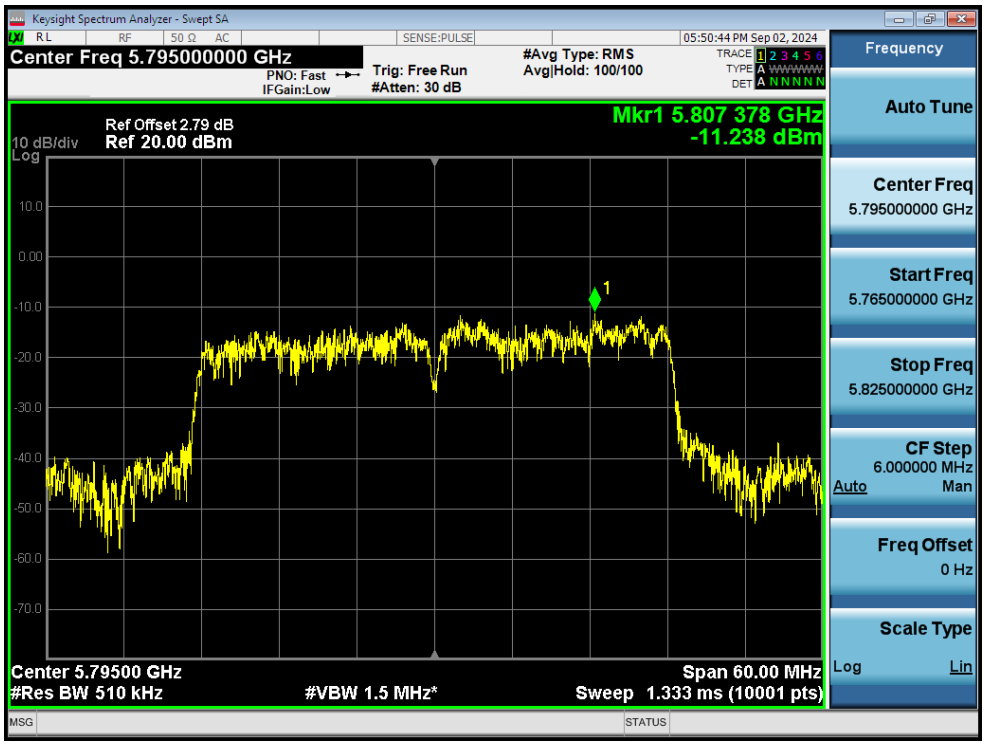


PSD NVNT n20 5785MHz Ant1

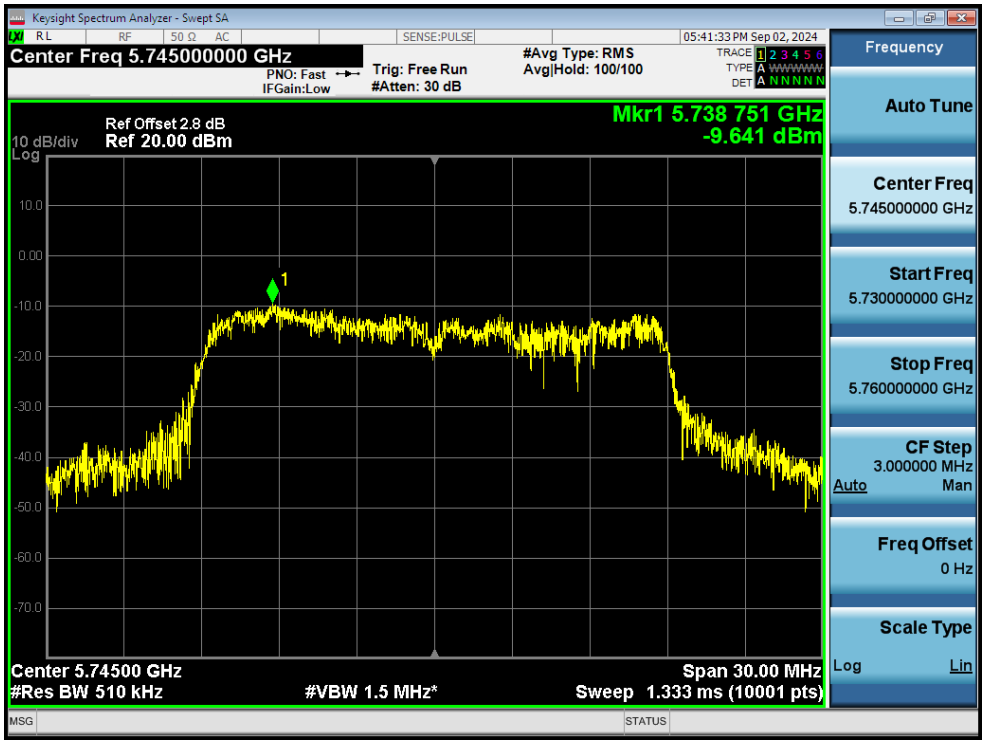
PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1

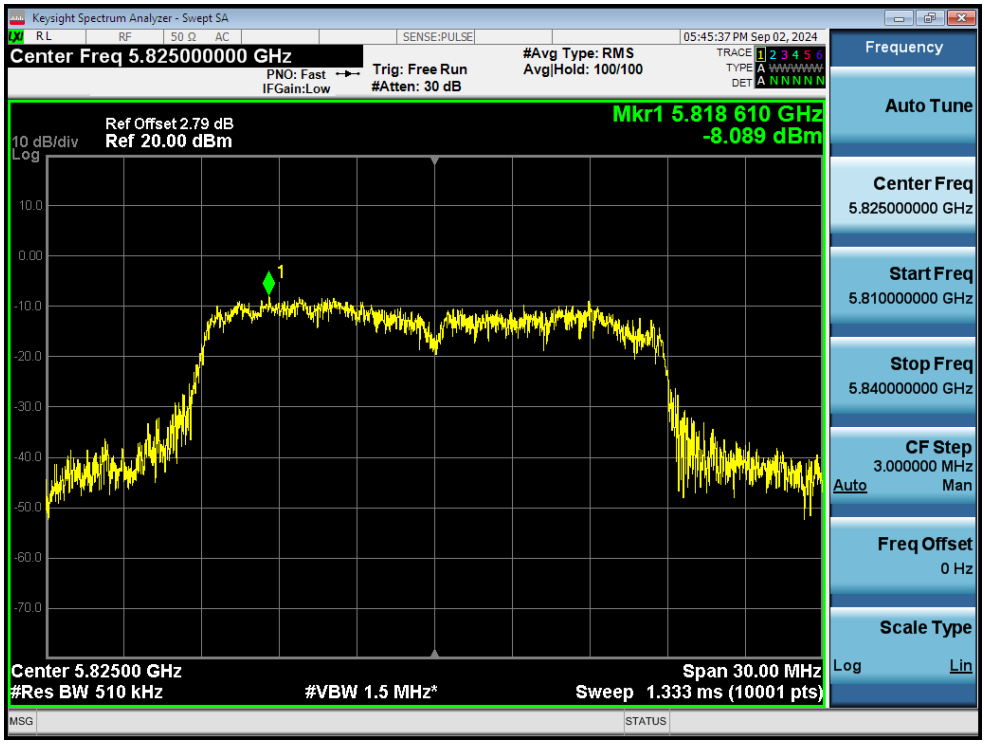


PSD NVNT n40 5795MHz Ant1



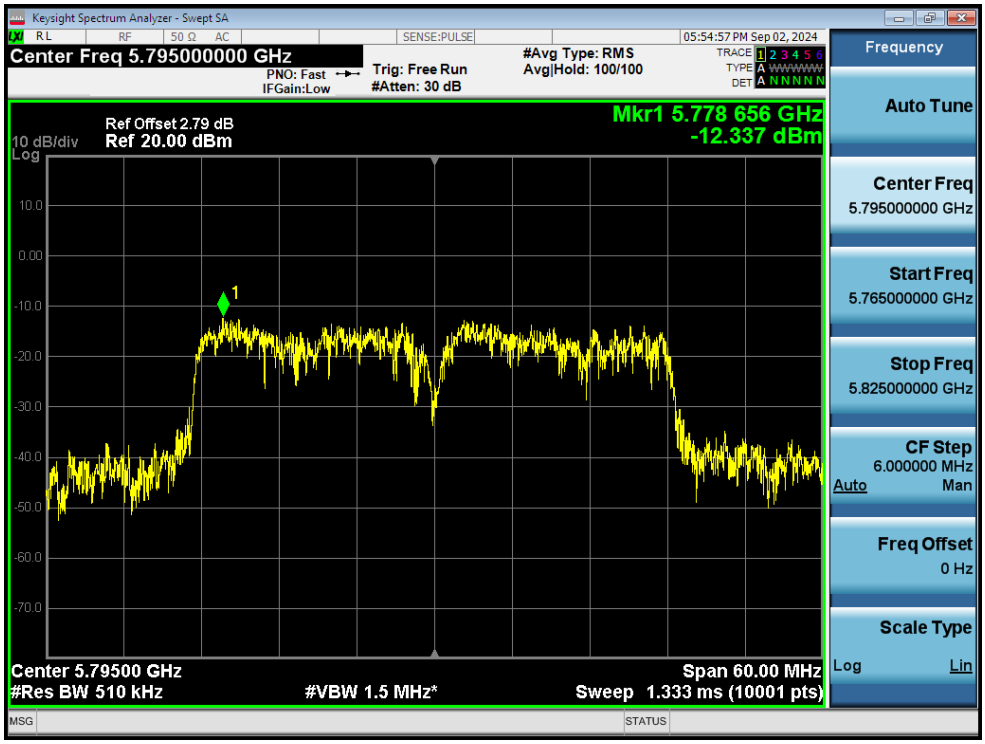
PSD NVNT ac20 5745MHz Ant1

PSD NVNT ac20 5785MHz Ant1



PSD NVNT ac20 5825MHz Ant1

PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1

PSD NVNT ac80 5775MHz Ant1

6. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-28.88	Pass
NVNT	a	5825	Ant1	-36.2	Pass
NVNT	n20	5745	Ant1	-27.79	Pass
NVNT	n20	5825	Ant1	-36.14	Pass
NVNT	n40	5755	Ant1	-24.59	Pass
NVNT	n40	5795	Ant1	-36.37	Pass
NVNT	ac20	5745	Ant1	-27.27	Pass
NVNT	ac20	5825	Ant1	-35.59	Pass
NVNT	ac40	5755	Ant1	-21.63	Pass
NVNT	ac40	5795	Ant1	-32.27	Pass
NVNT	ac80	5775	Ant1	-25.56	Pass
NVNT	ac80	5775	Ant1	-30.18	Pass
NVNT	ac80	5775	Ant1	-25.76	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

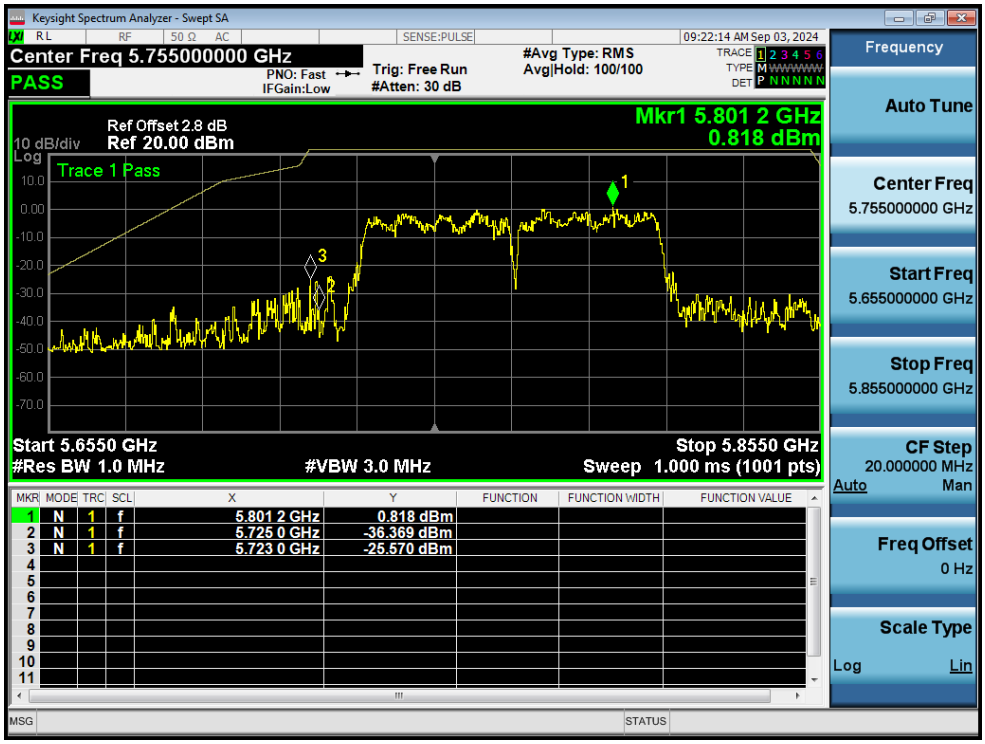
Band Edge NVNT n40 5795MHz High Ant1

Band Edge NVNT ac20 5745MHz Low Ant1

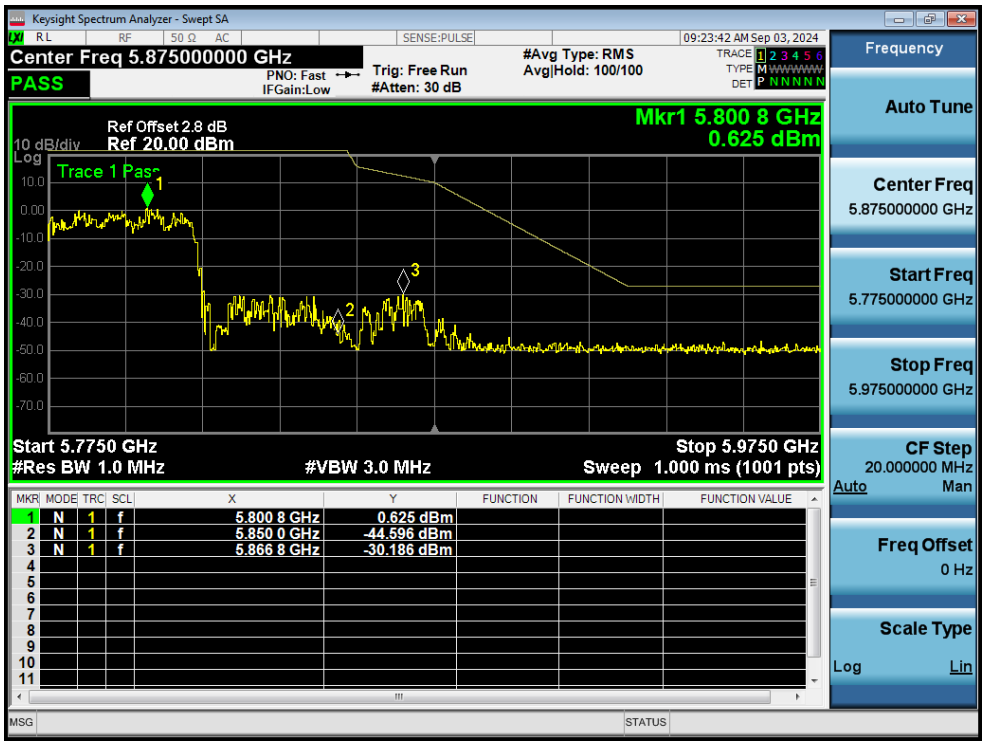
Band Edge NVNT ac20 5825MHz High Ant1

Band Edge NVNT ac40 5755MHz Low Ant1

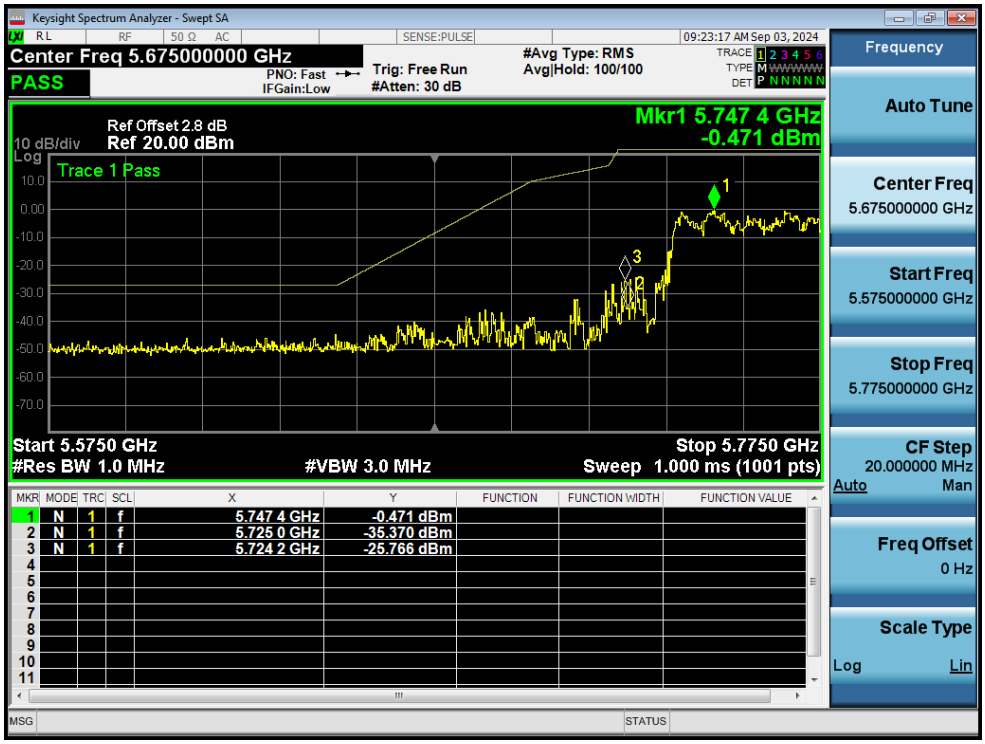
Band Edge NVNT ac40 5795MHz High Ant1



Band Edge NVNT ac80 5775MHz Low Ant1



Band Edge NVNT ac80 5775MHz High Ant1



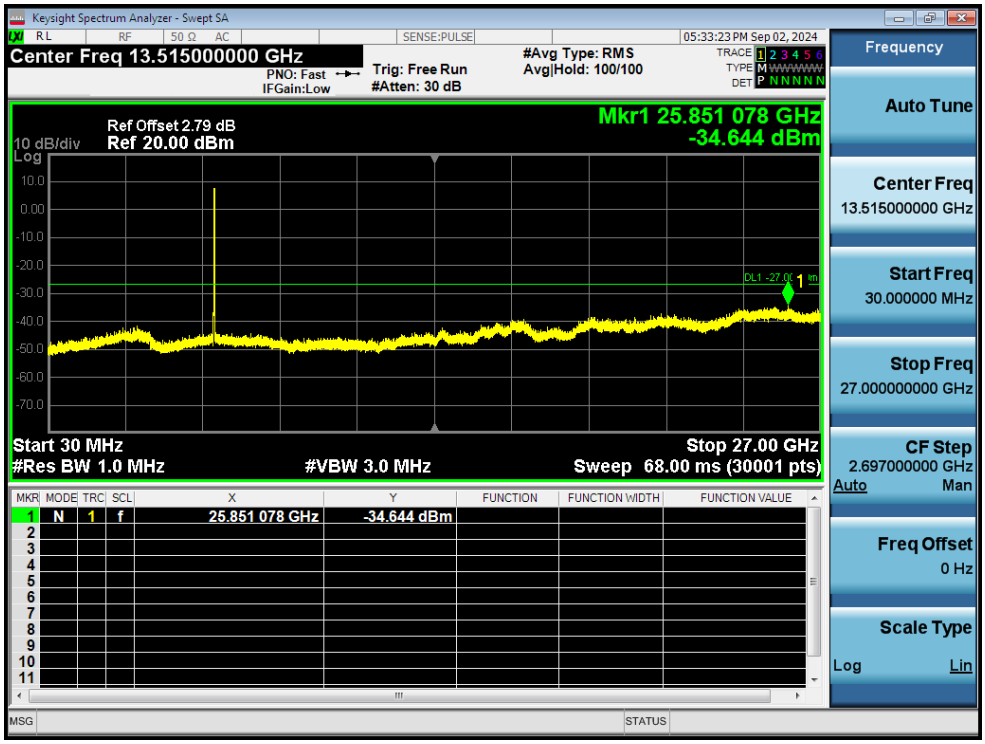
Band Edge NVNT ac80 5775MHz Low Ant1

7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-33.92	-27	Pass
NVNT	a	5785	Ant1	-33.96	-27	Pass
NVNT	a	5825	Ant1	-34.64	-27	Pass
NVNT	n20	5745	Ant1	-34.88	-27	Pass
NVNT	n20	5785	Ant1	-33.91	-27	Pass
NVNT	n20	5825	Ant1	-34.35	-27	Pass
NVNT	n40	5755	Ant1	-34.9	-27	Pass
NVNT	n40	5795	Ant1	-33.96	-27	Pass
NVNT	ac20	5745	Ant1	-35.11	-27	Pass
NVNT	ac20	5785	Ant1	-34.45	-27	Pass
NVNT	ac20	5825	Ant1	-34.26	-27	Pass
NVNT	ac40	5755	Ant1	-33.79	-27	Pass
NVNT	ac40	5795	Ant1	-34.43	-27	Pass
NVNT	ac80	5775	Ant1	-34.84	-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

Tx. Spurious NVNT ac80 5775MHz Ant1 Emission