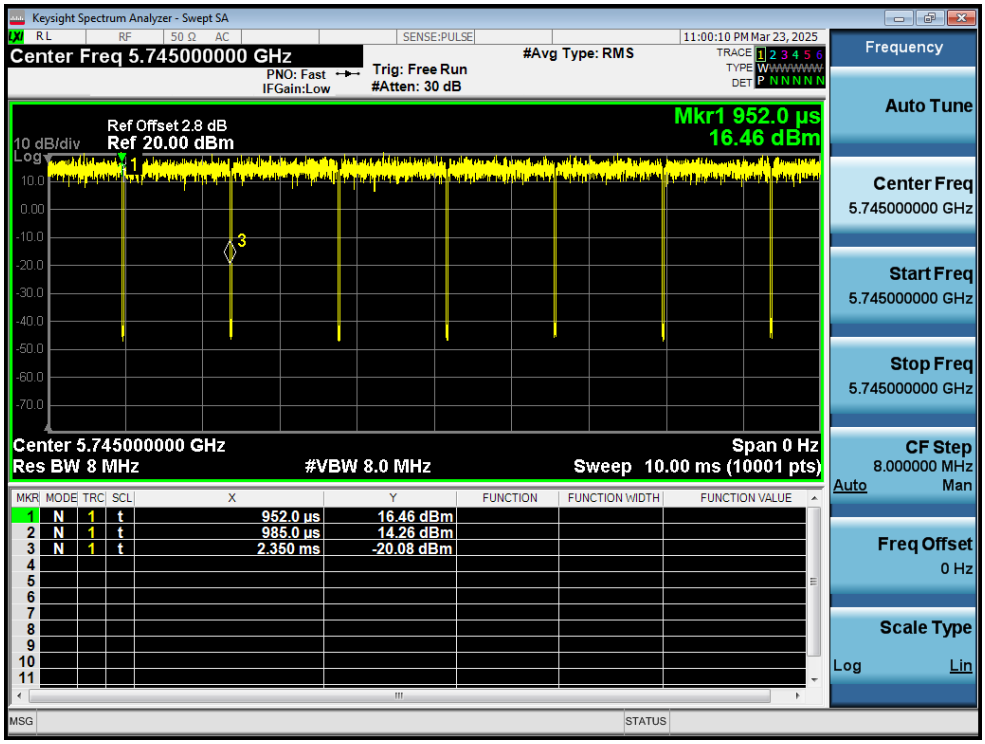
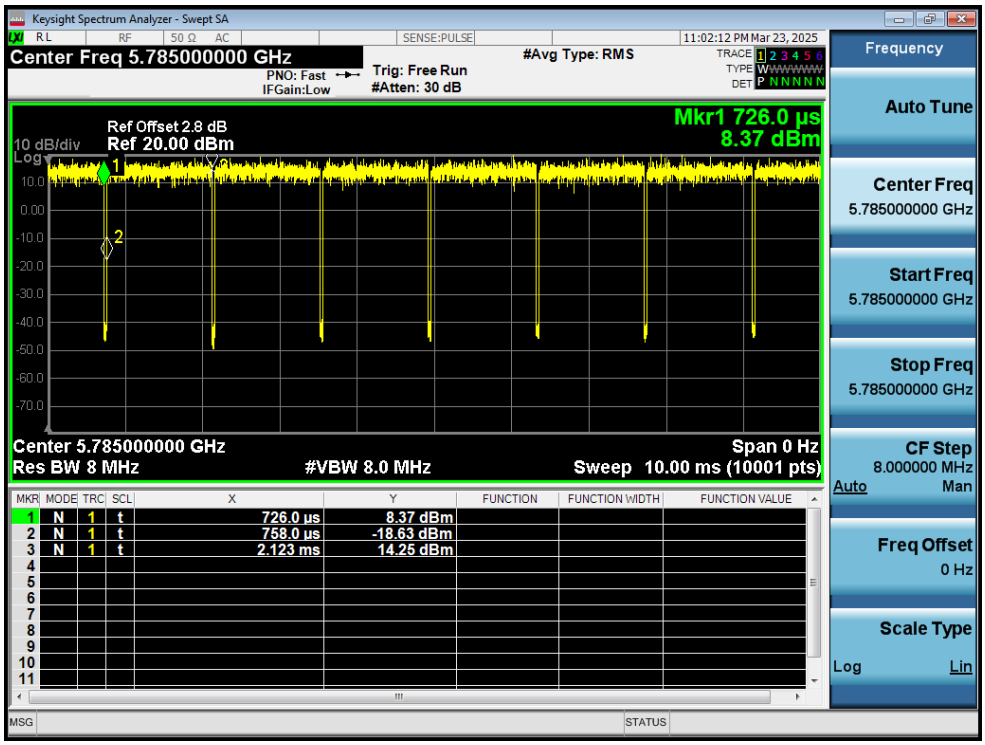
Test Data Appendix of Test Report

1. Duty Cycle

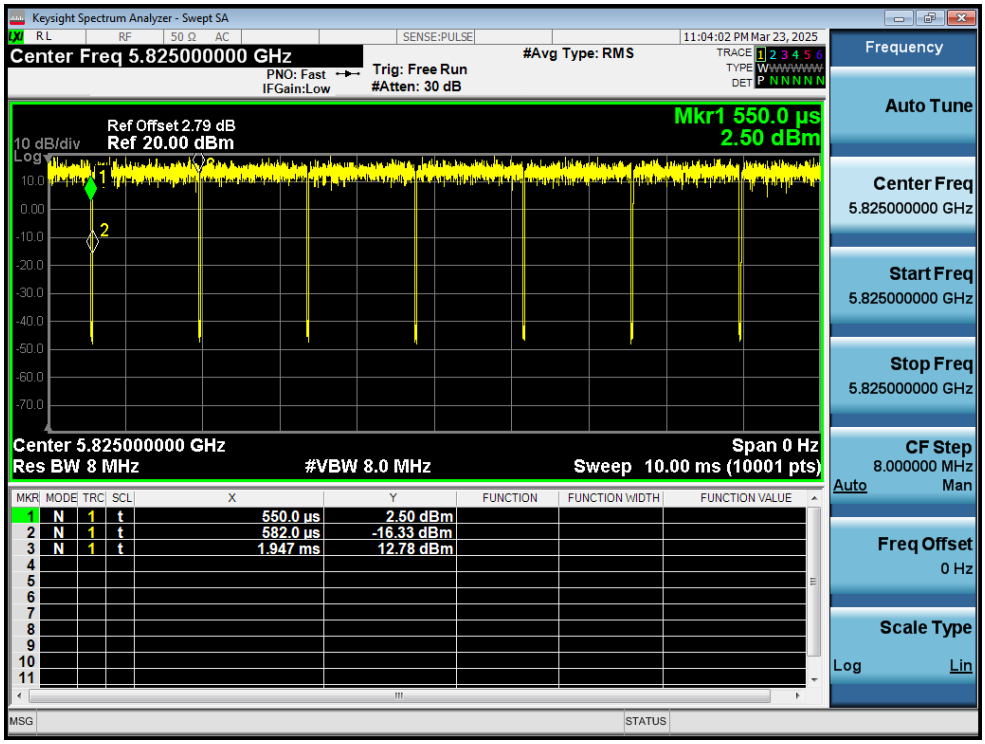
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	97.64	0.1	0.73
NVNT	a	5785	Ant1	97.71	0.1	0.73
NVNT	a	5825	Ant1	97.71	0.1	0.73
NVNT	n20	5745	Ant1	97.56	0.11	0.78
NVNT	n20	5785	Ant1	97.56	0.11	0.78
NVNT	n20	5825	Ant1	97.56	0.11	0.78
NVNT	n40	5755	Ant1	95.22	0.21	1.57
NVNT	n40	5795	Ant1	95.22	0.21	1.57
NVNT	ac20	5745	Ant1	97.5	0.11	0.78
NVNT	ac20	5785	Ant1	97.57	0.11	0.78
NVNT	ac20	5825	Ant1	97.57	0.11	0.78
NVNT	ac40	5755	Ant1	95.25	0.21	1.56
NVNT	ac40	5795	Ant1	95.25	0.21	1.56
NVNT	ax20	5745	Ant1	90.93	0.41	1.01
NVNT	ax20	5785	Ant1	96.78	0.14	1.01
NVNT	ax20	5825	Ant1	96.78	0.14	1.01
NVNT	ax40	5755	Ant1	93.99	0.27	1.94
NVNT	ax40	5795	Ant1	94	0.27	1.93



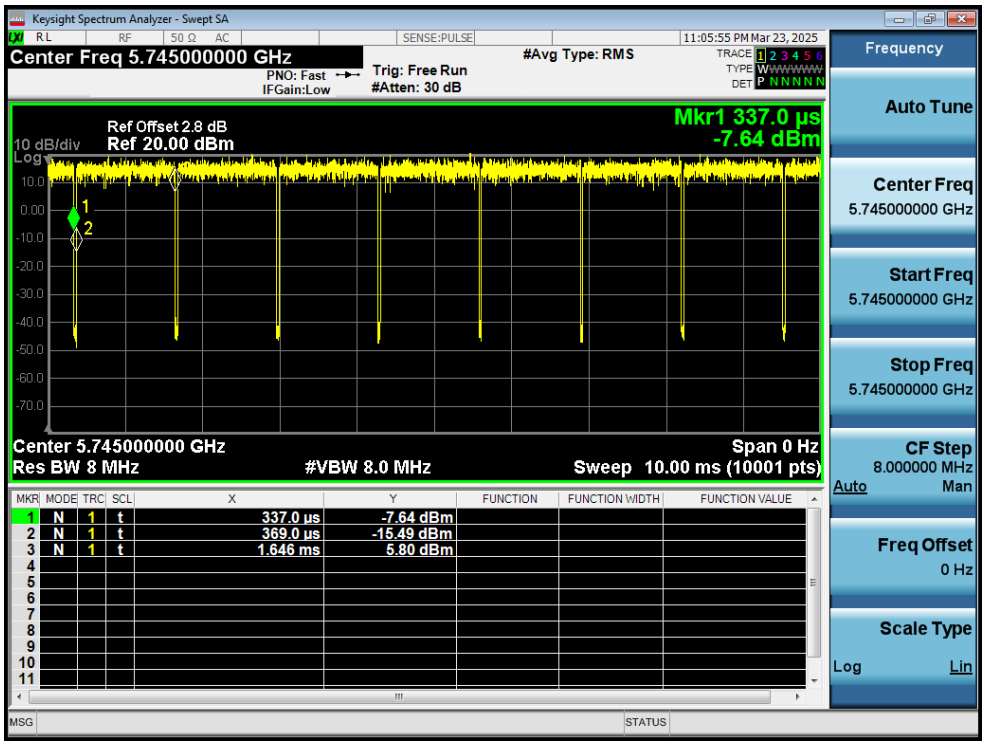
Duty Cycle NVNT a 5745MHz Ant1



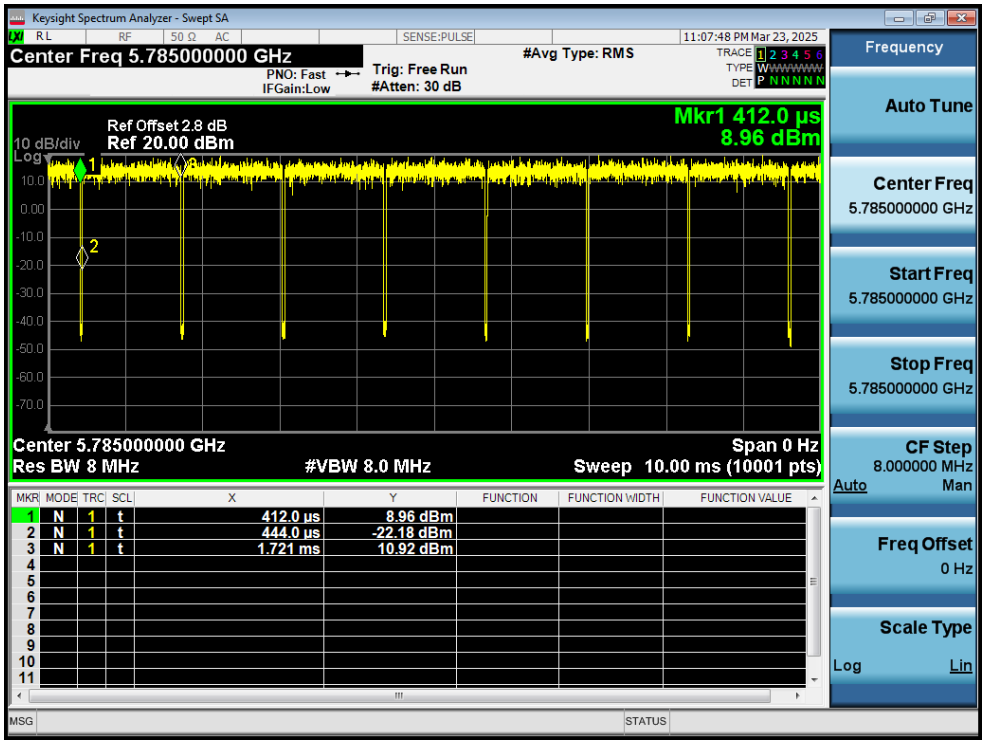
Duty Cycle NVNT a 5785MHz Ant1



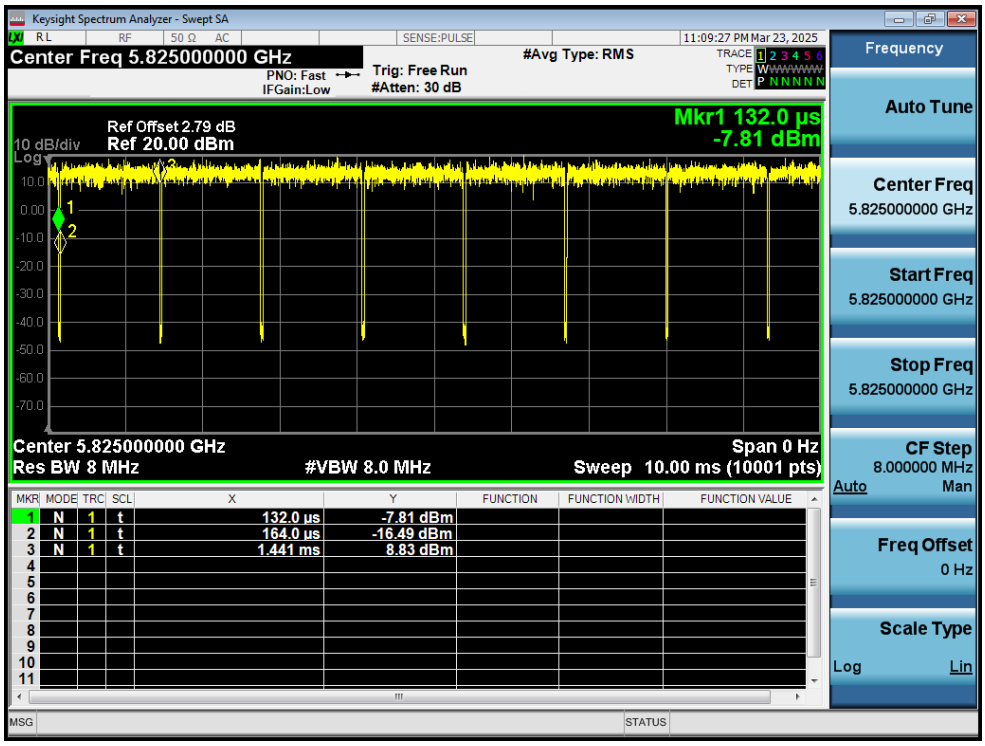
Duty Cycle NVNT a 5825MHz Ant1



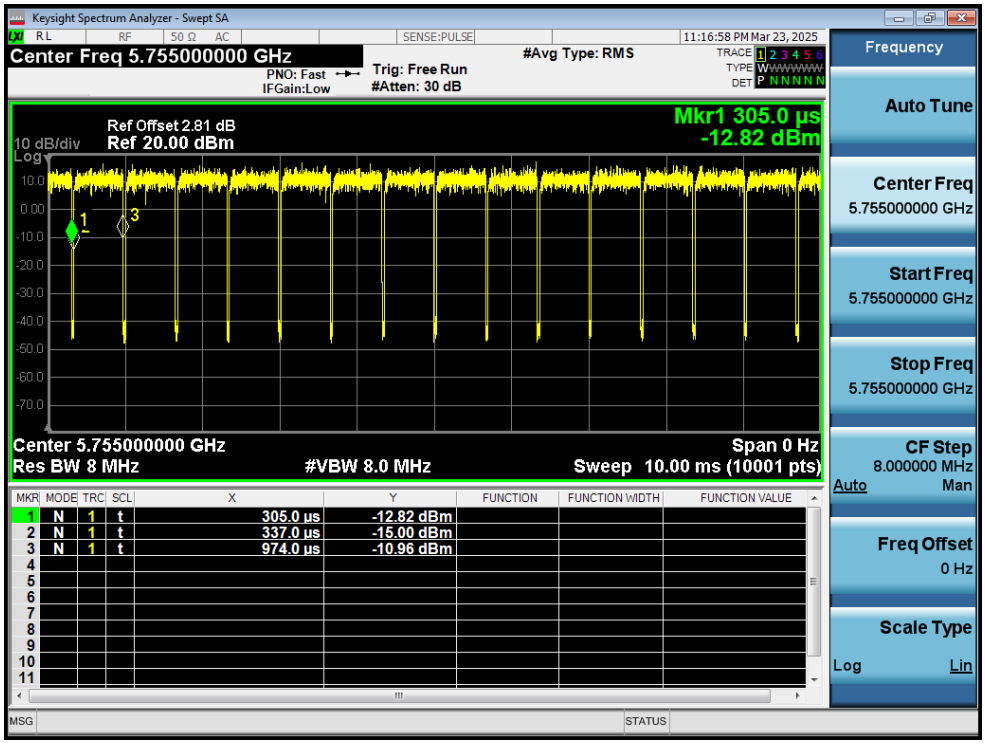
Duty Cycle NVNT n20 5745MHz Ant1



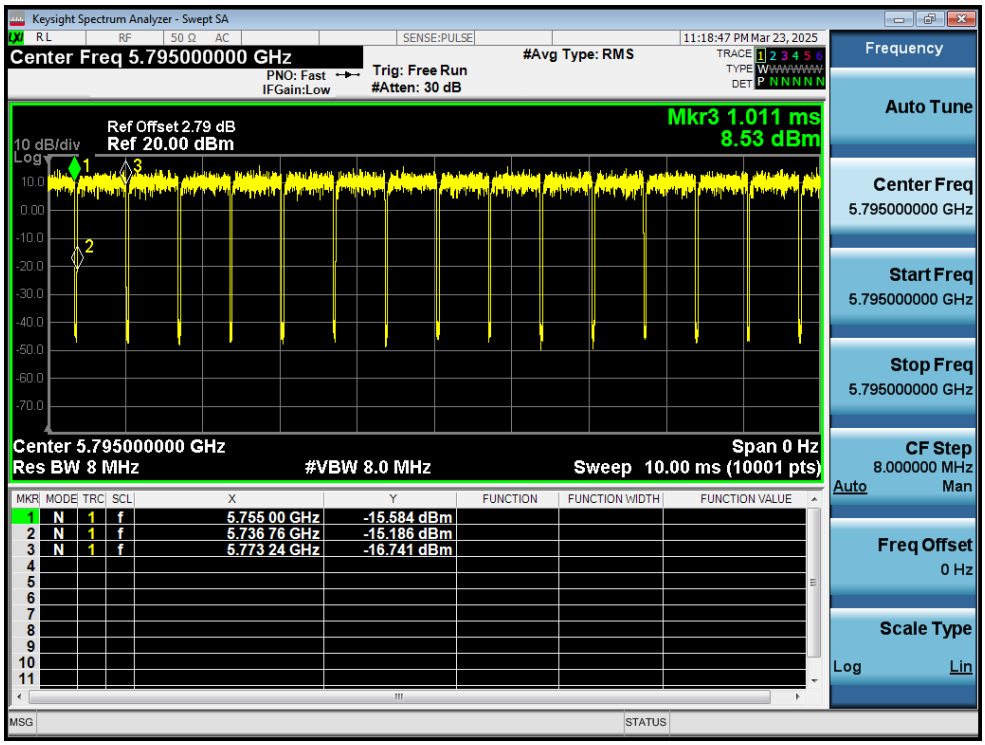
Duty Cycle NVNT n20 5785MHz Ant1



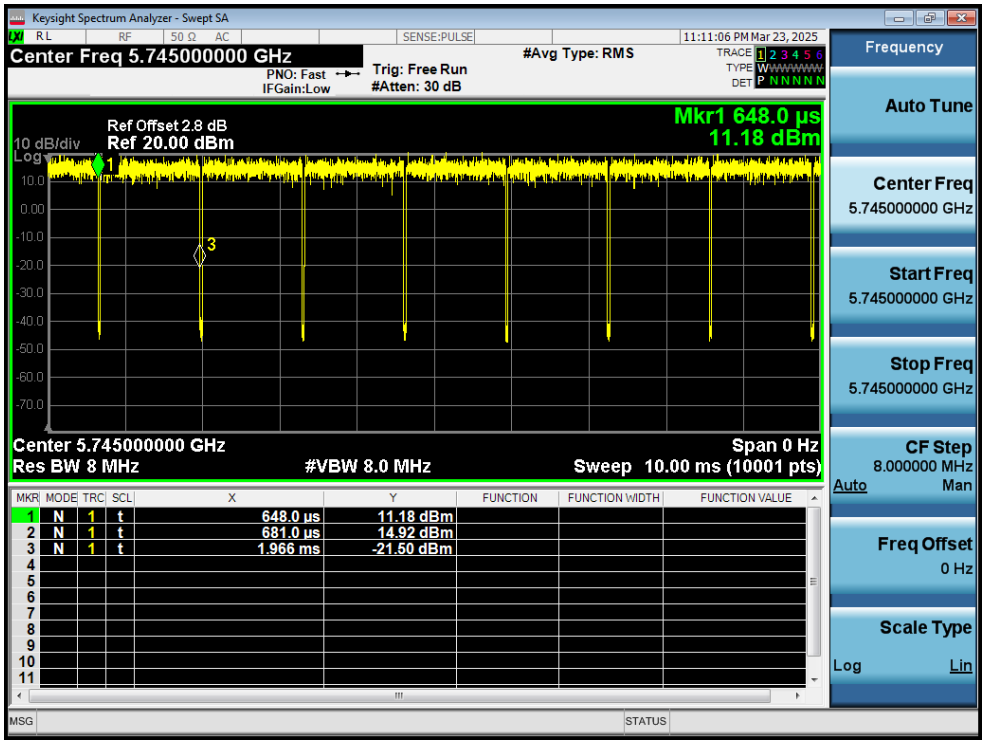
Duty Cycle NVNT n20 5825MHz Ant1



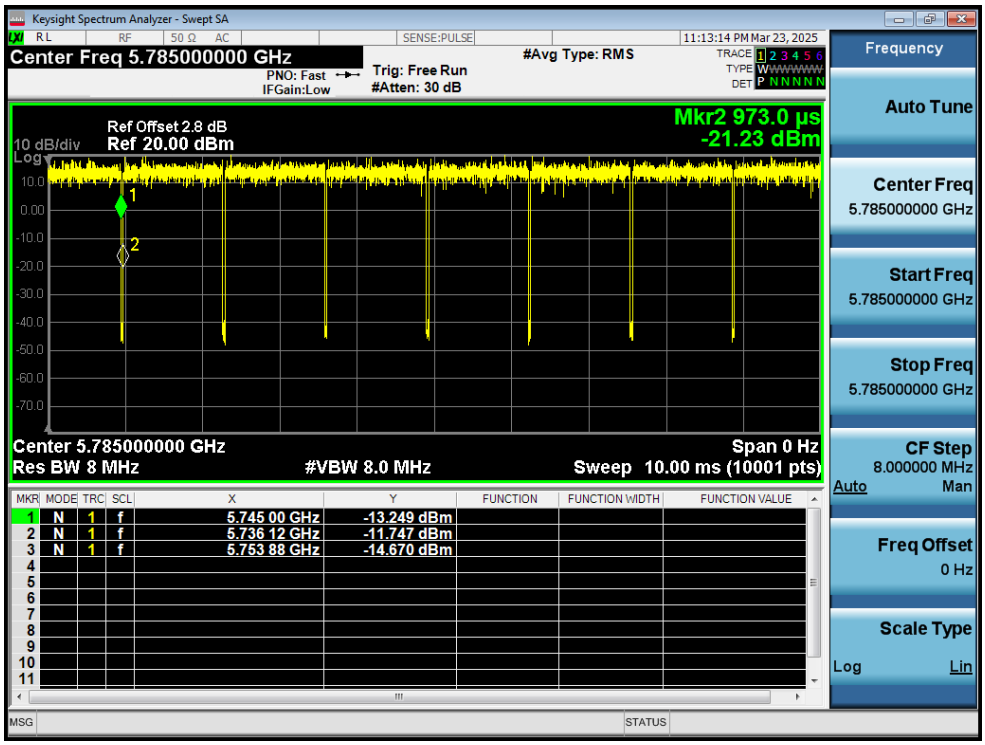
Duty Cycle NVNT n40 5755MHz Ant1



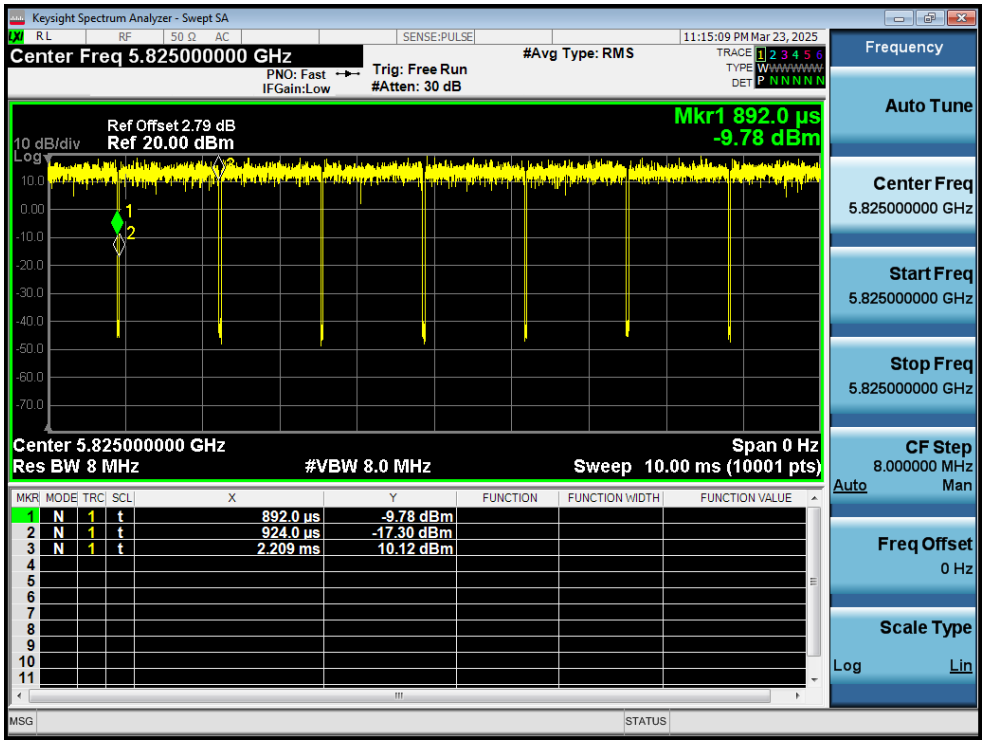
Duty Cycle NVNT n40 5795MHz Ant1



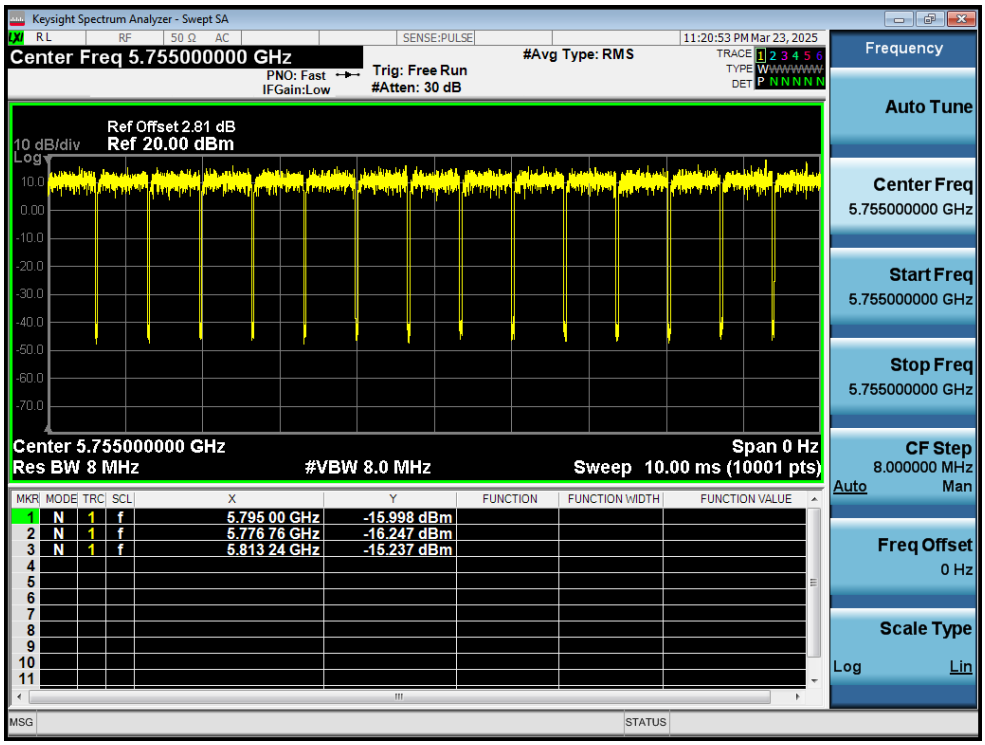
Duty Cycle NVNT ac20 5745MHz Ant1



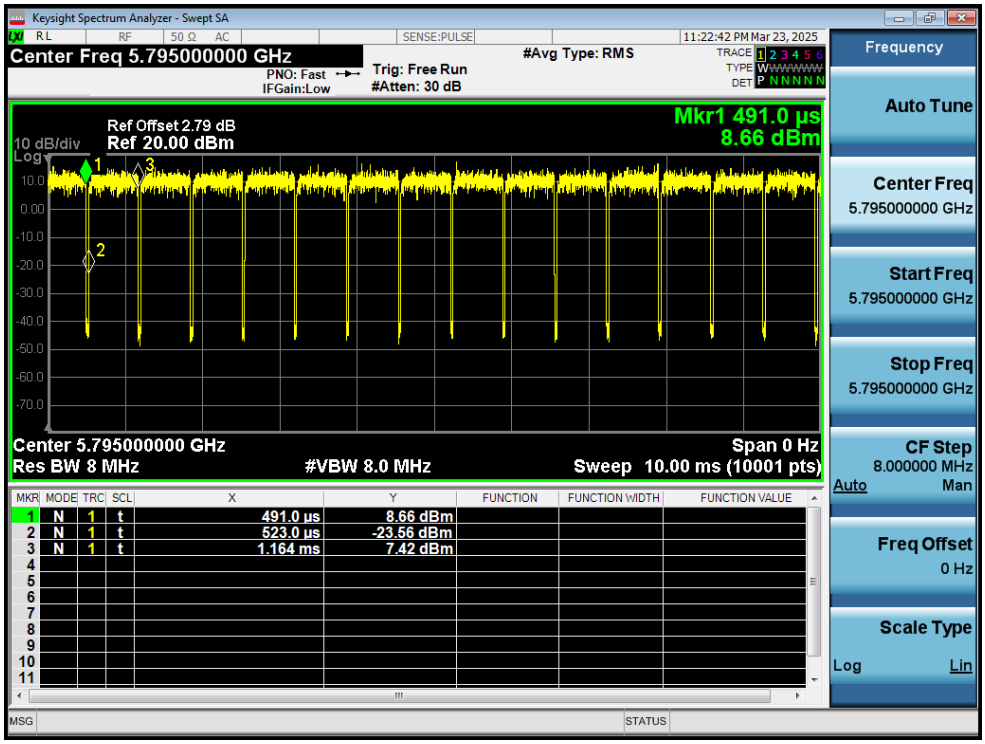
Duty Cycle NVNT ac20 5785MHz Ant1



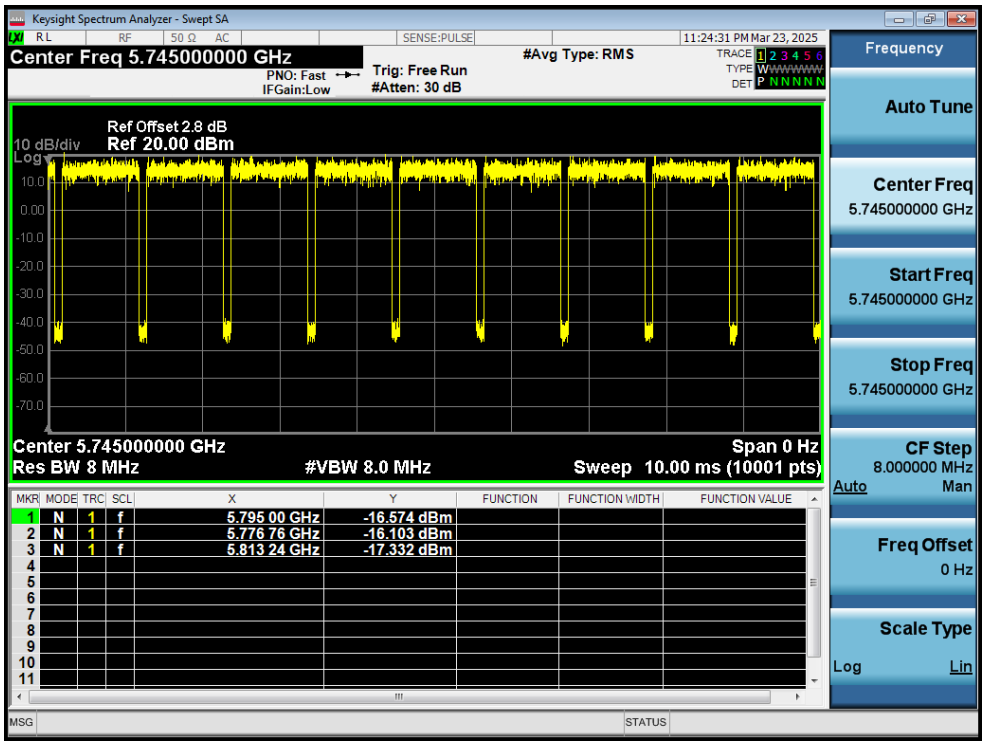
Duty Cycle NVNT ac20 5825MHz Ant1



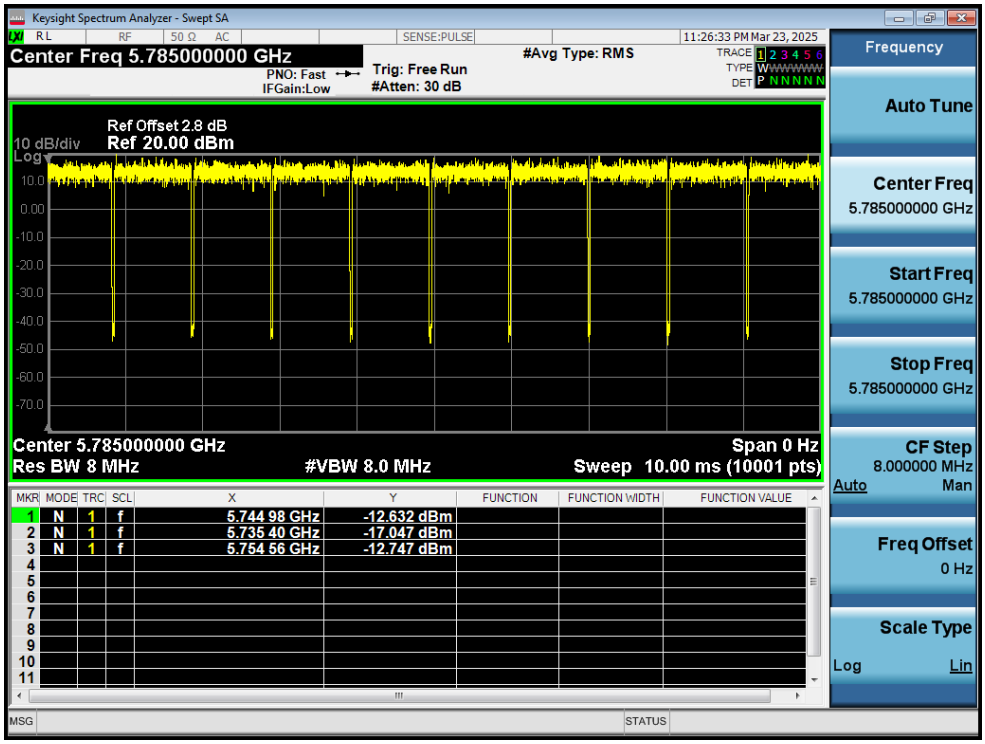
Duty Cycle NVNT ac40 5755MHz Ant1



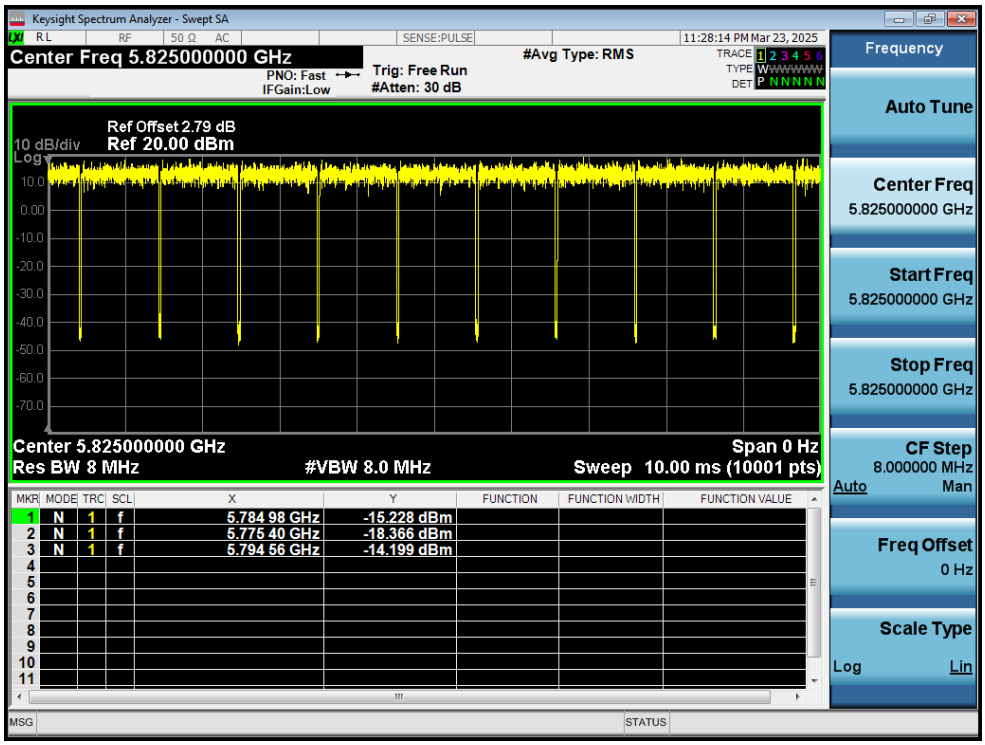
Duty Cycle NVNT ac40 5795MHz Ant1



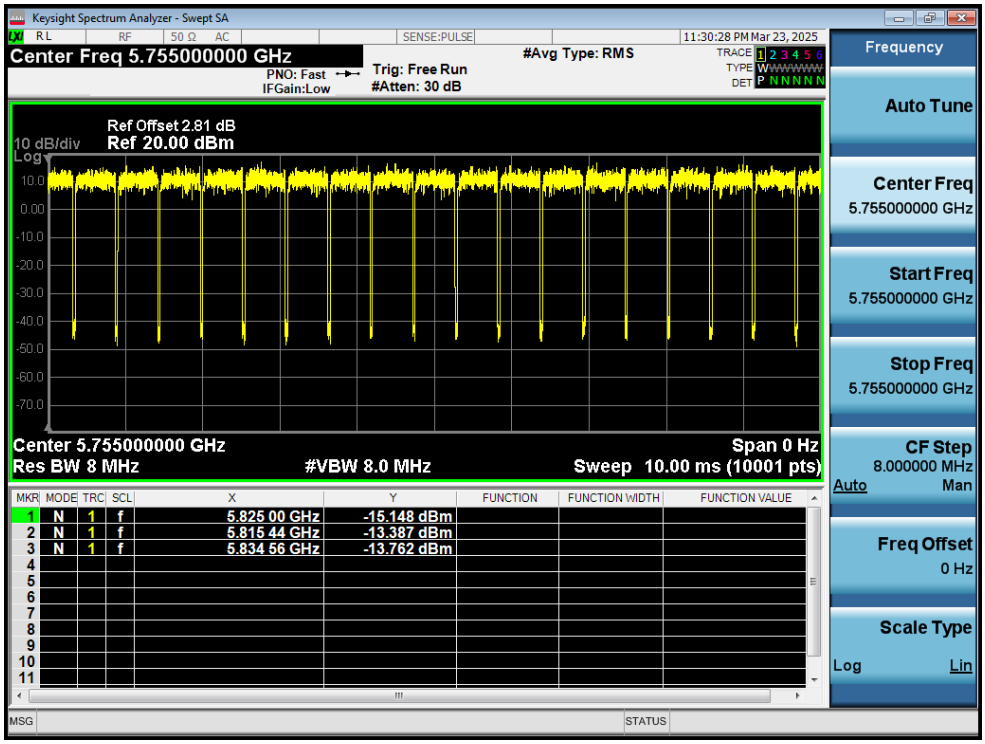
Duty Cycle NVNT ax20 5745MHz Ant1



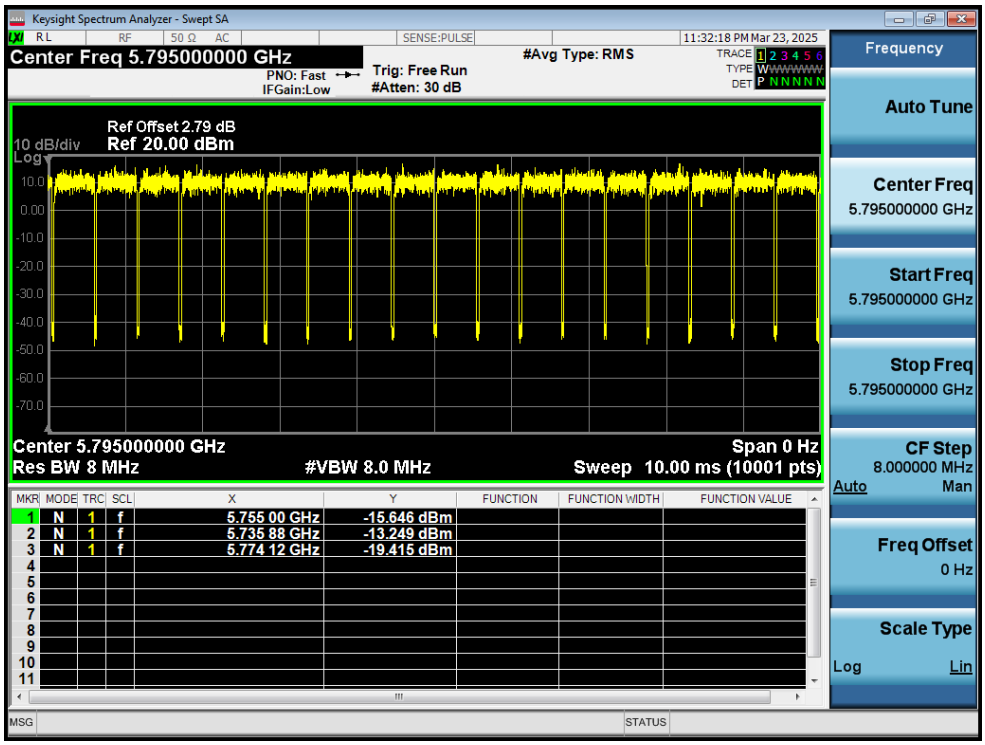
Duty Cycle NVNT ax20 5785MHz Ant1



Duty Cycle NVNT ax20 5825MHz Ant1



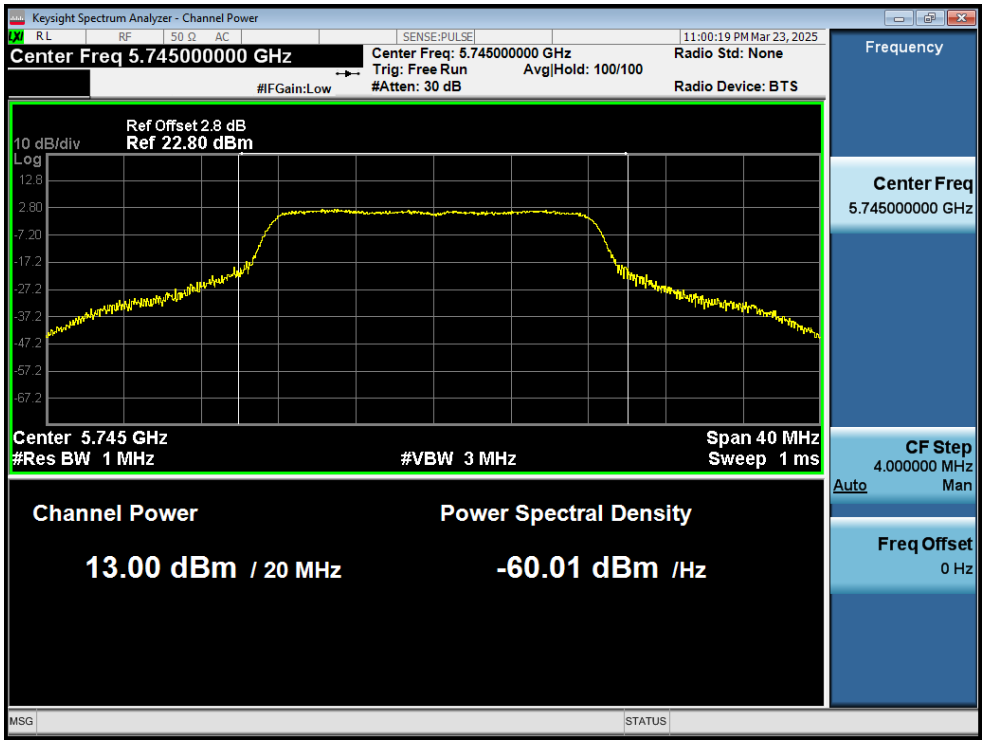
Duty Cycle NVNT ax40 5755MHz Ant1



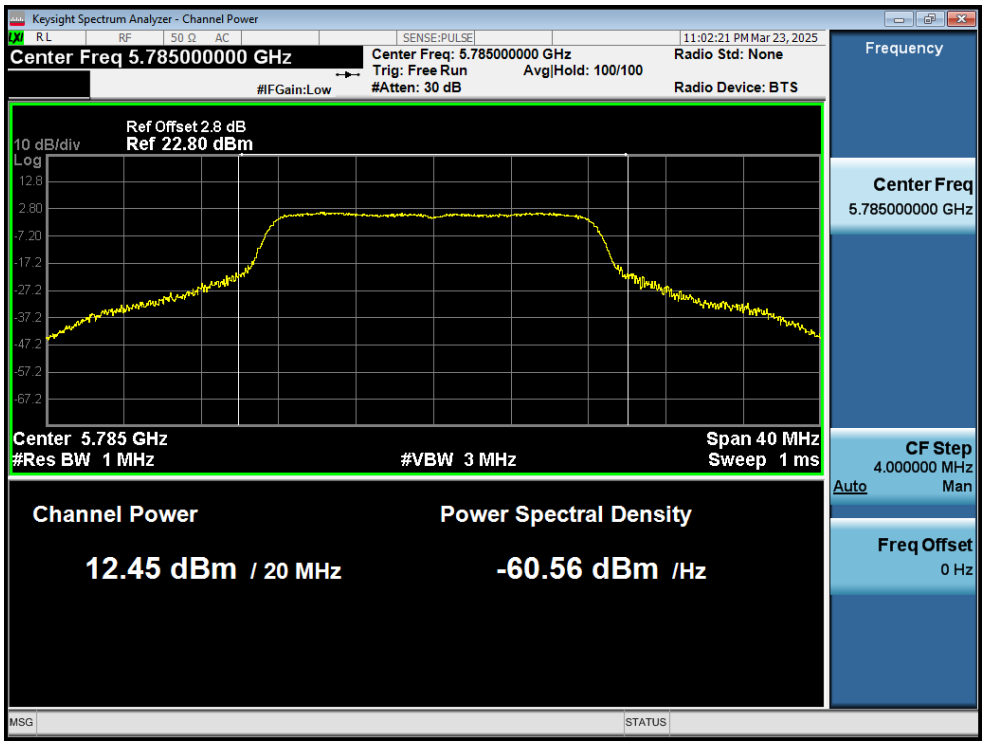
Duty Cycle NVNT ax40 5795MHz Ant1

2. Maximum Conducted Output Power

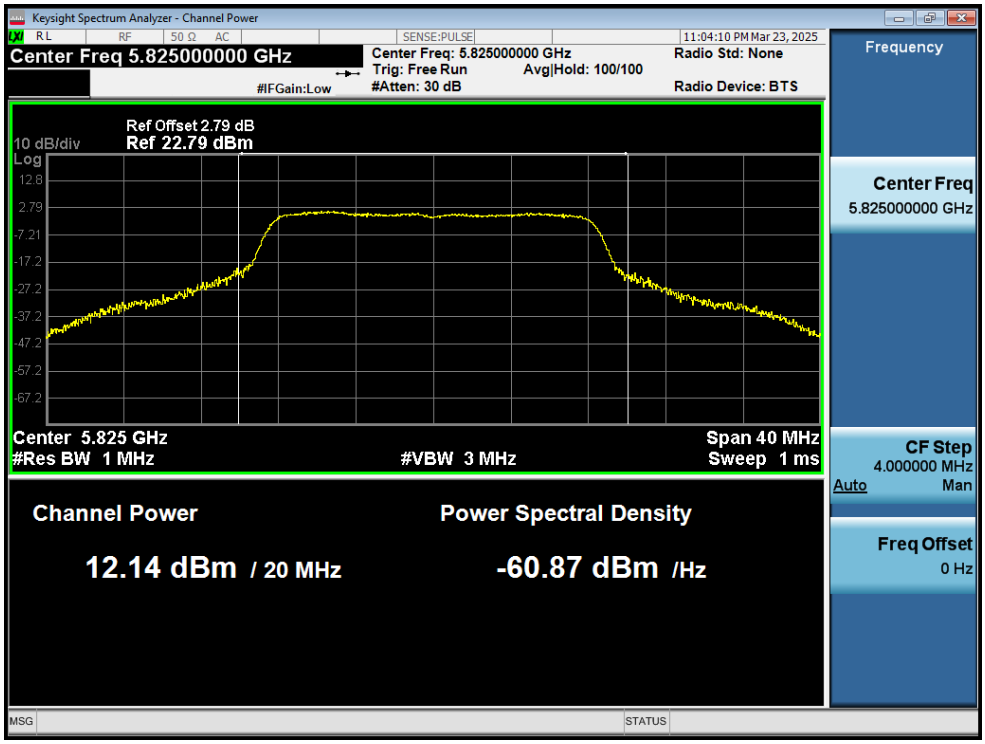
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	13	0.1	13.1	30	Pass
NVNT	a	5785	Ant1	12.45	0.1	12.55	30	Pass
NVNT	a	5825	Ant1	12.14	0.1	12.24	30	Pass
NVNT	n20	5745	Ant1	13.33	0.11	13.44	30	Pass
NVNT	n20	5785	Ant1	12.51	0.11	12.62	30	Pass
NVNT	n20	5825	Ant1	12.19	0.11	12.3	30	Pass
NVNT	n40	5755	Ant1	12.88	0.21	13.09	30	Pass
NVNT	n40	5795	Ant1	12.27	0.21	12.48	30	Pass
NVNT	ac20	5745	Ant1	13.26	0.11	13.37	30	Pass
NVNT	ac20	5785	Ant1	12.53	0.11	12.64	30	Pass
NVNT	ac20	5825	Ant1	12.21	0.11	12.32	30	Pass
NVNT	ac40	5755	Ant1	12.85	0.21	13.06	30	Pass
NVNT	ac40	5795	Ant1	12.35	0.21	12.56	30	Pass
NVNT	ax20	5745	Ant1	13.37	0.41	13.78	30	Pass
NVNT	ax20	5785	Ant1	12.52	0.14	12.66	30	Pass
NVNT	ax20	5825	Ant1	12.17	0.14	12.31	30	Pass
NVNT	ax40	5755	Ant1	12.82	0.27	13.09	30	Pass
NVNT	ax40	5795	Ant1	12.32	0.27	12.59	30	Pass



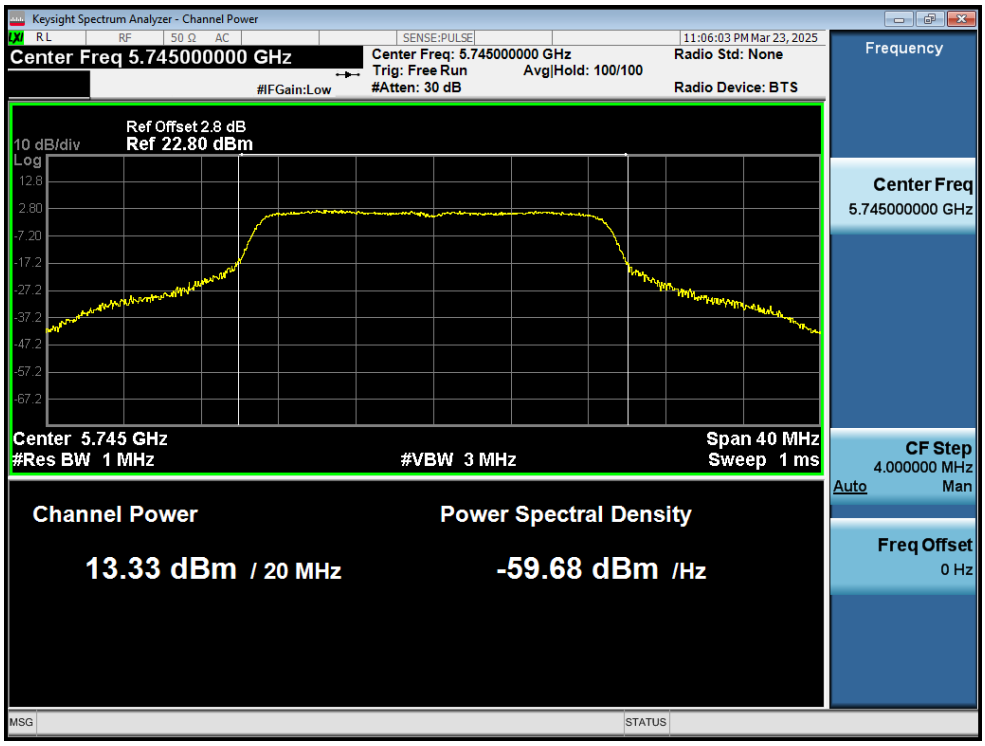
Power NVNT a 5745MHz Ant1



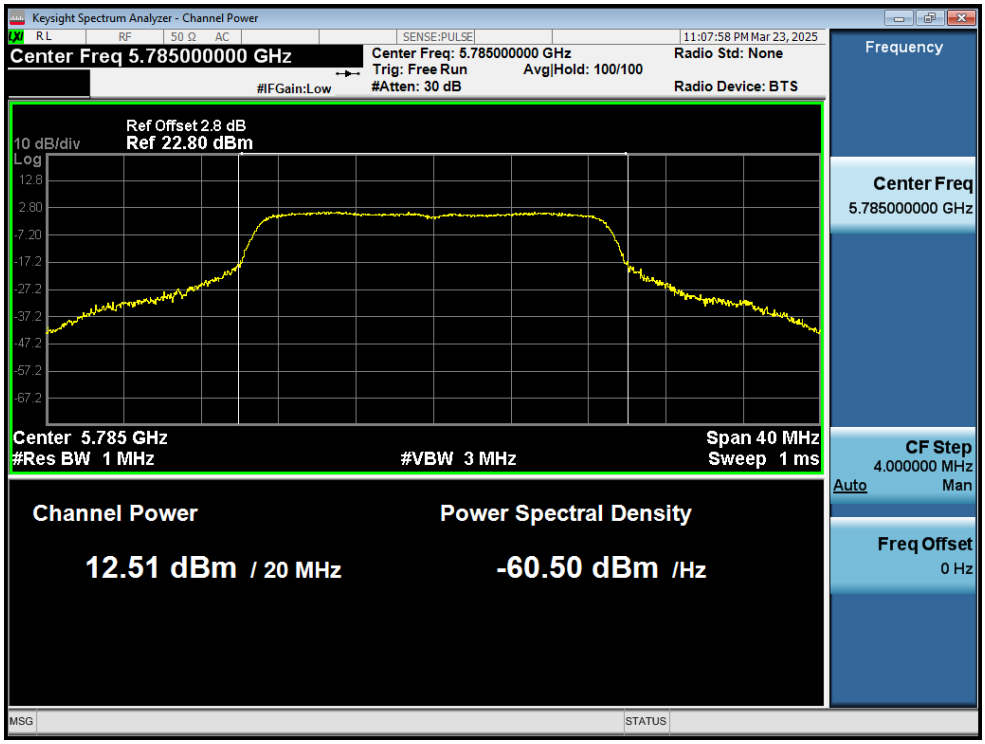
Power NVNT a 5785MHz Ant1



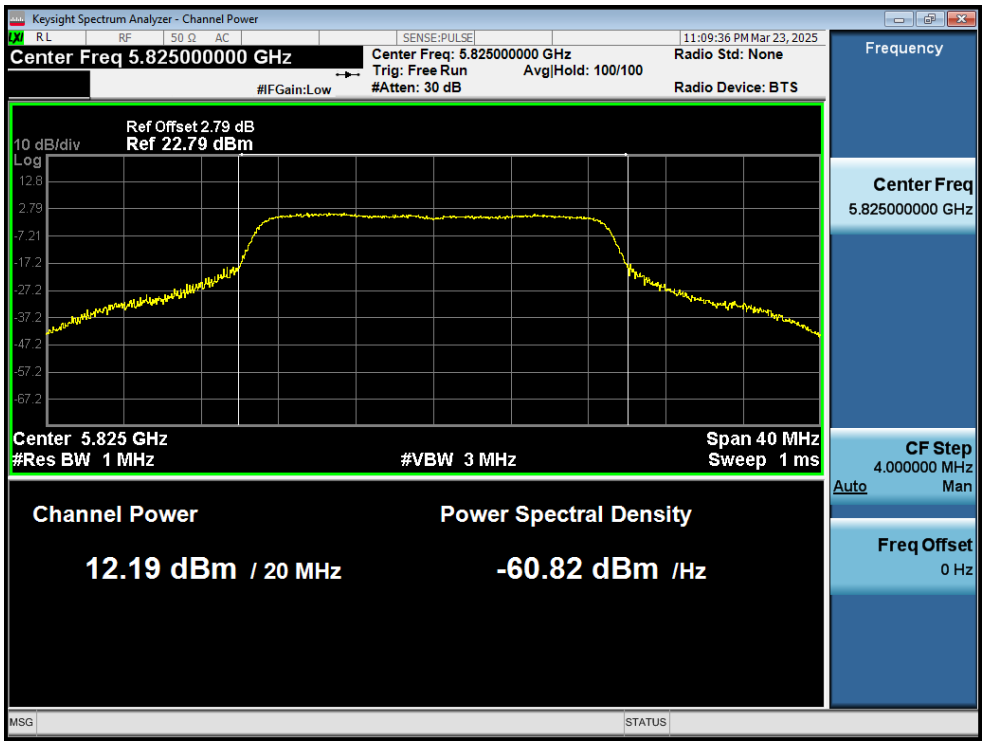
Power NVNT a 5825MHz Ant1



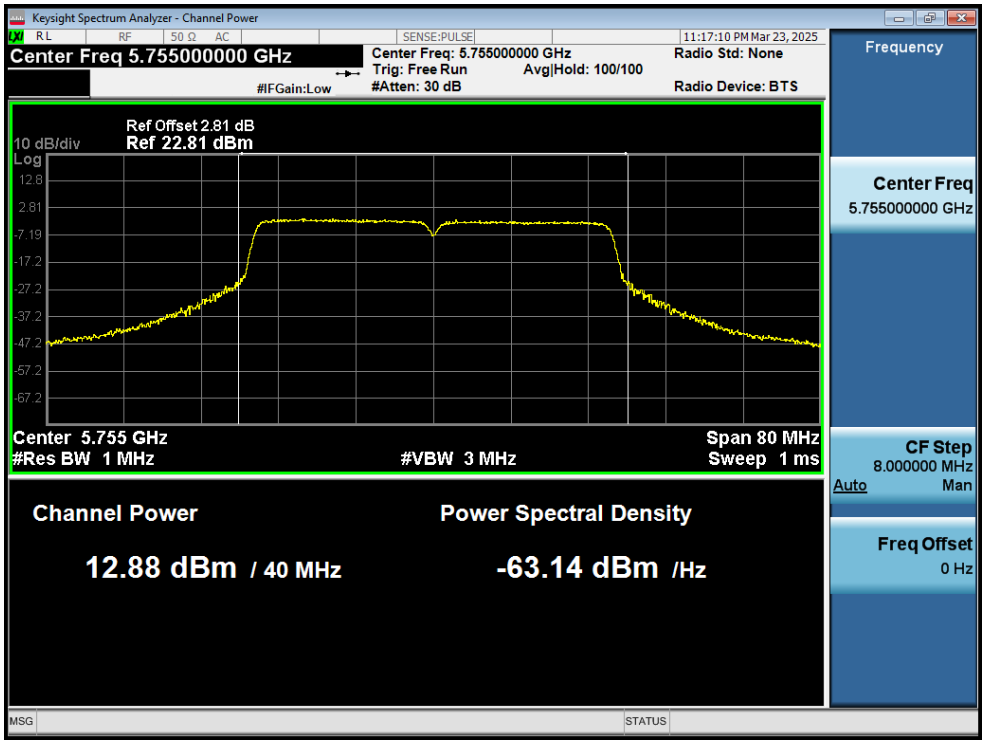
Power NVNT n20 5745MHz Ant1



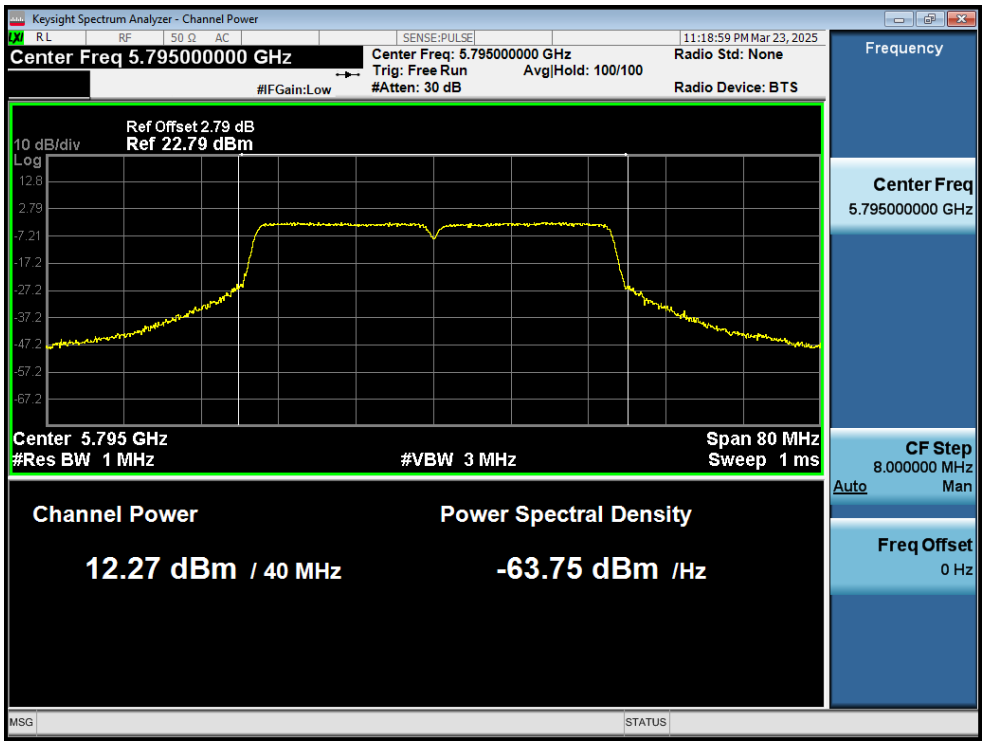
Power NVNT n20 5785MHz Ant1



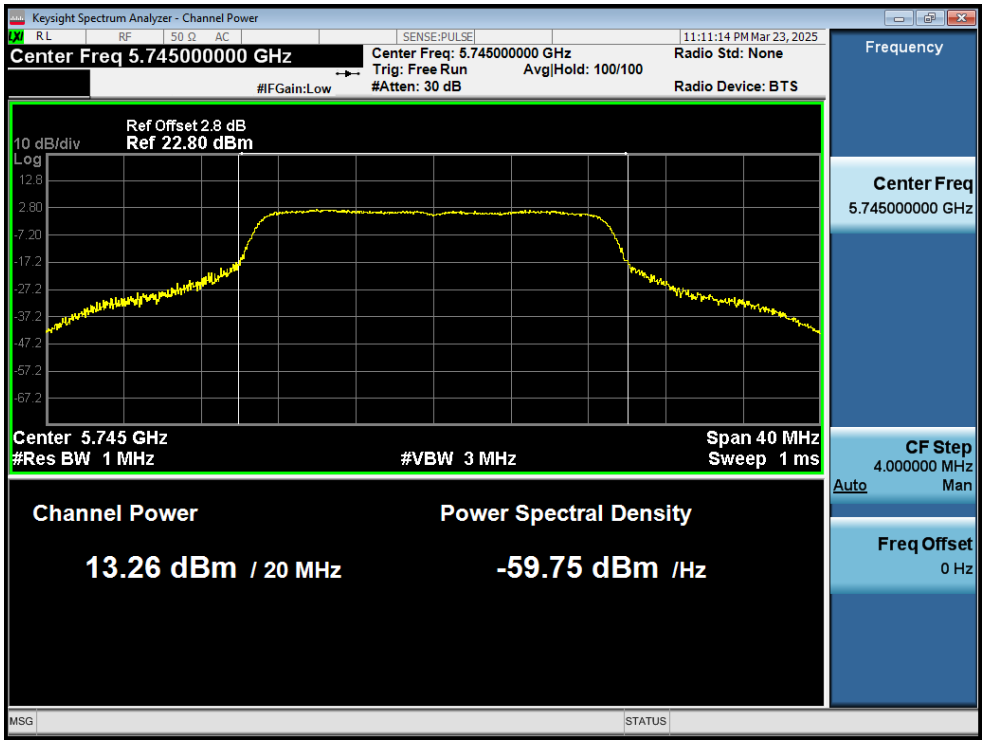
Power NVNT n20 5825MHz Ant1



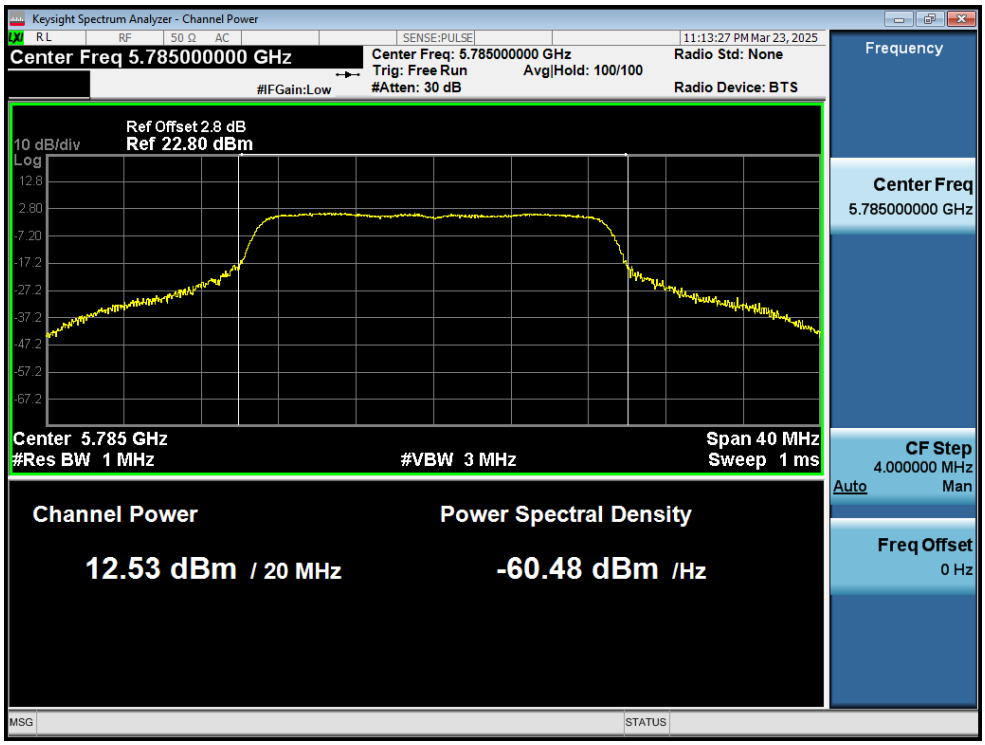
Power NVNT n40 5755MHz Ant1



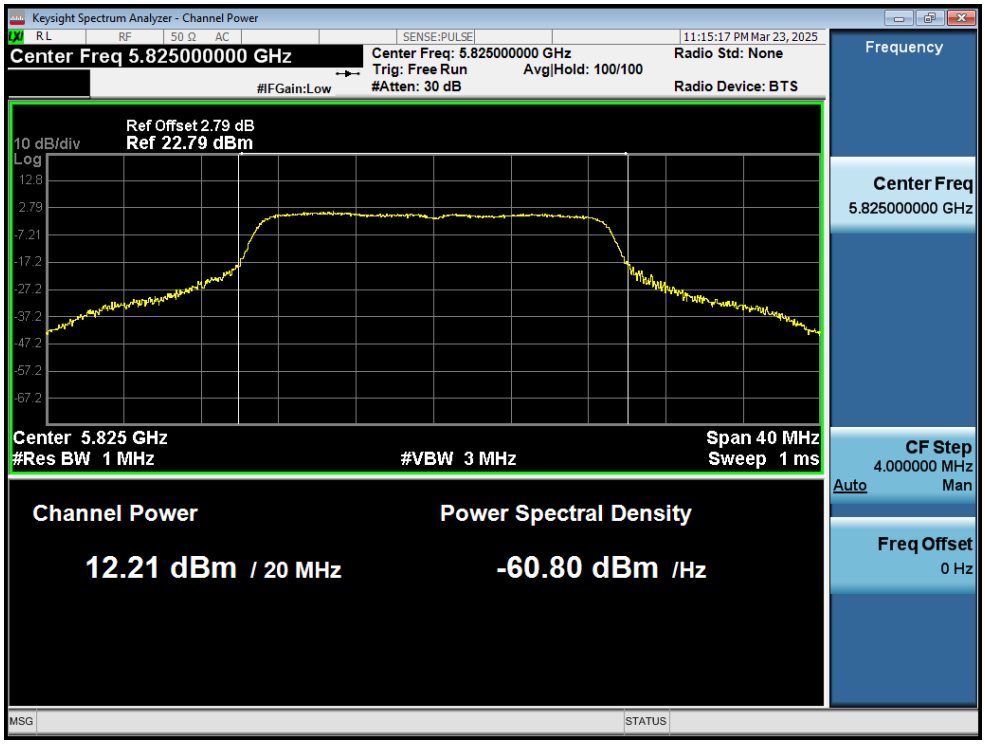
Power NVNT n40 5795MHz Ant1



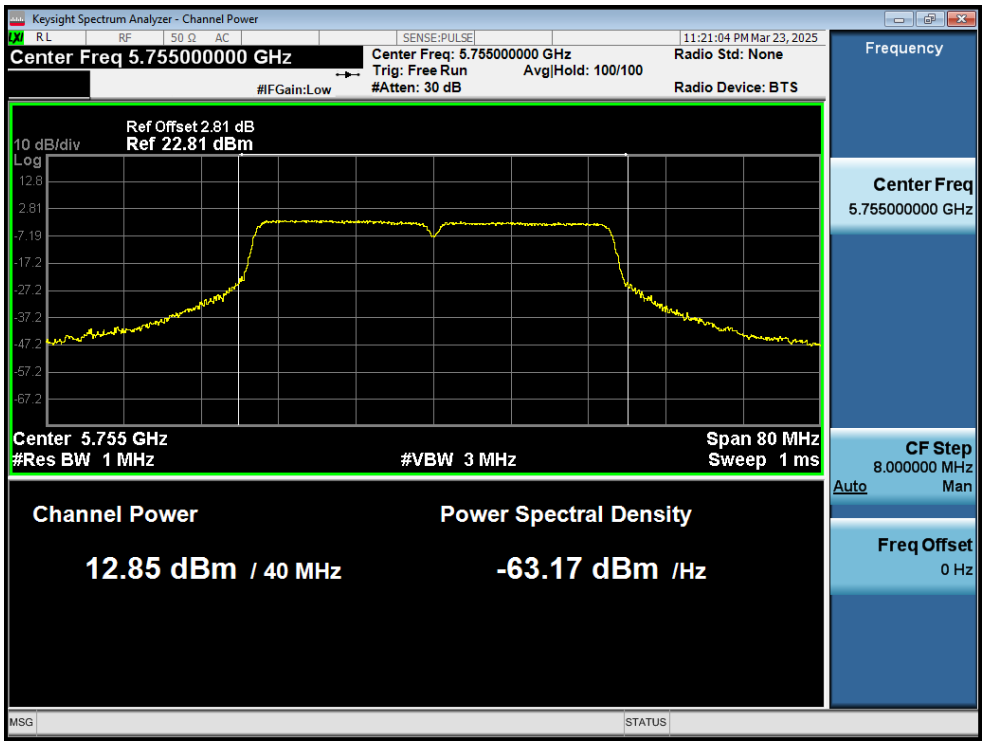
Power NVNT ac20 5745MHz Ant1



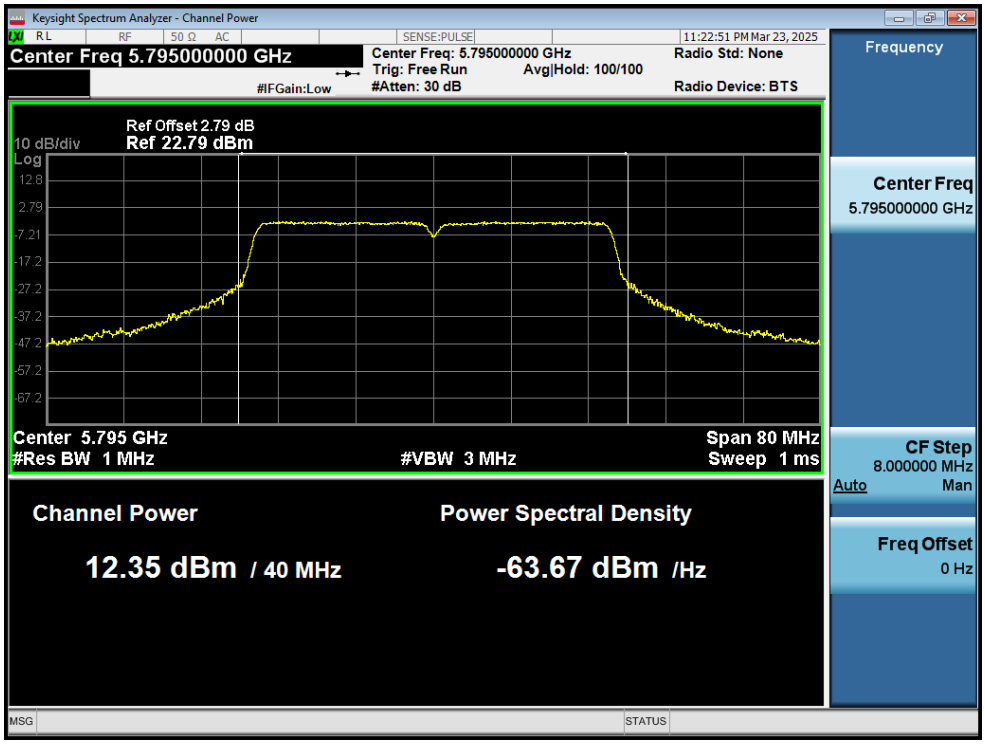
Power NVNT ac20 5785MHz Ant1



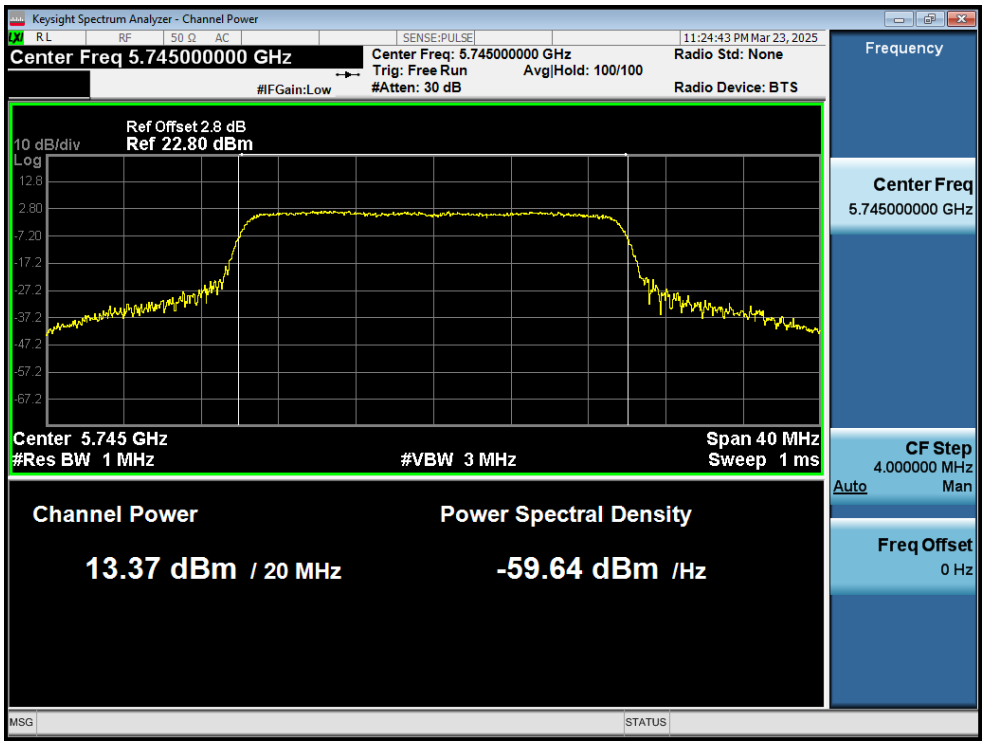
Power NVNT ac20 5825MHz Ant1



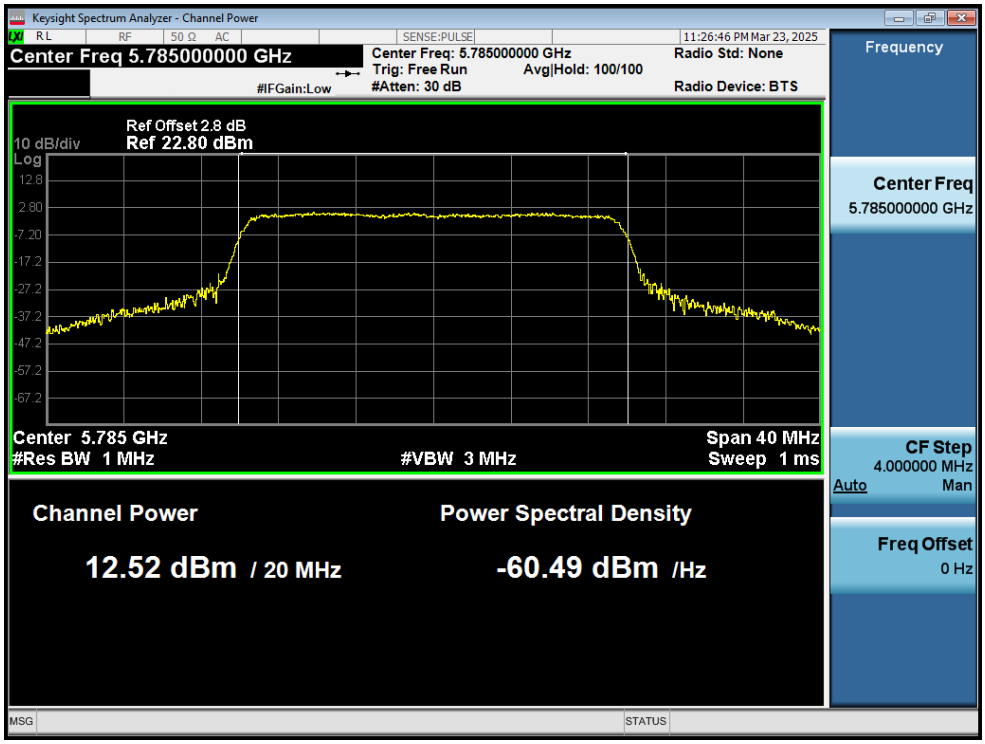
Power NVNT ac40 5755MHz Ant1



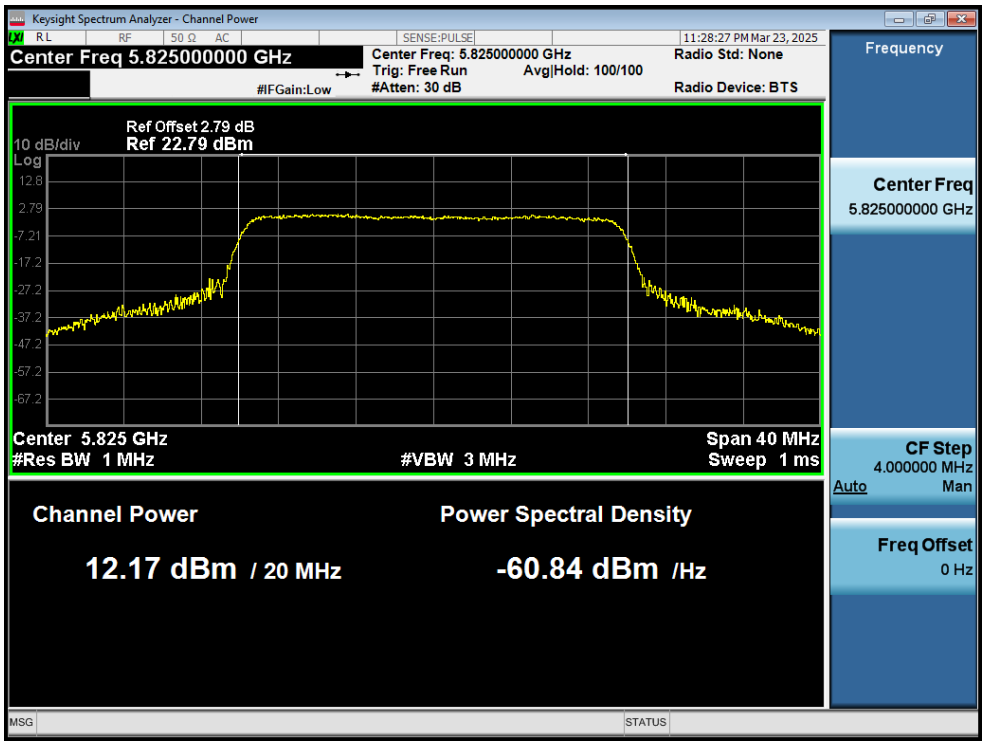
Power NVNT ac40 5795MHz Ant1



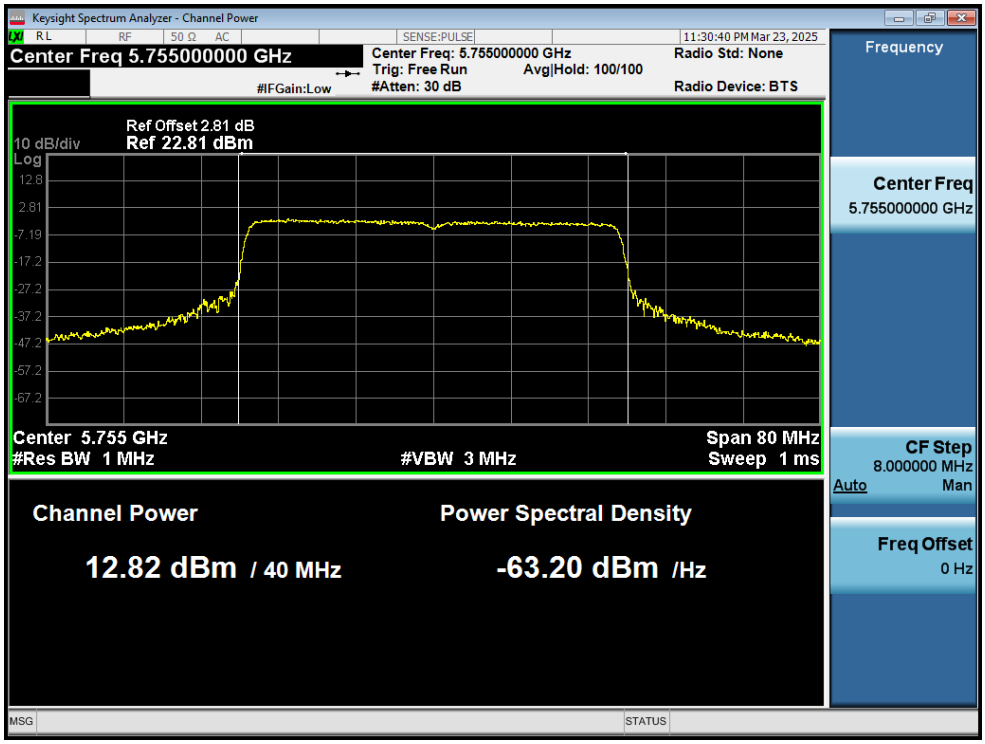
Power NVNT ax20 5745MHz Ant1



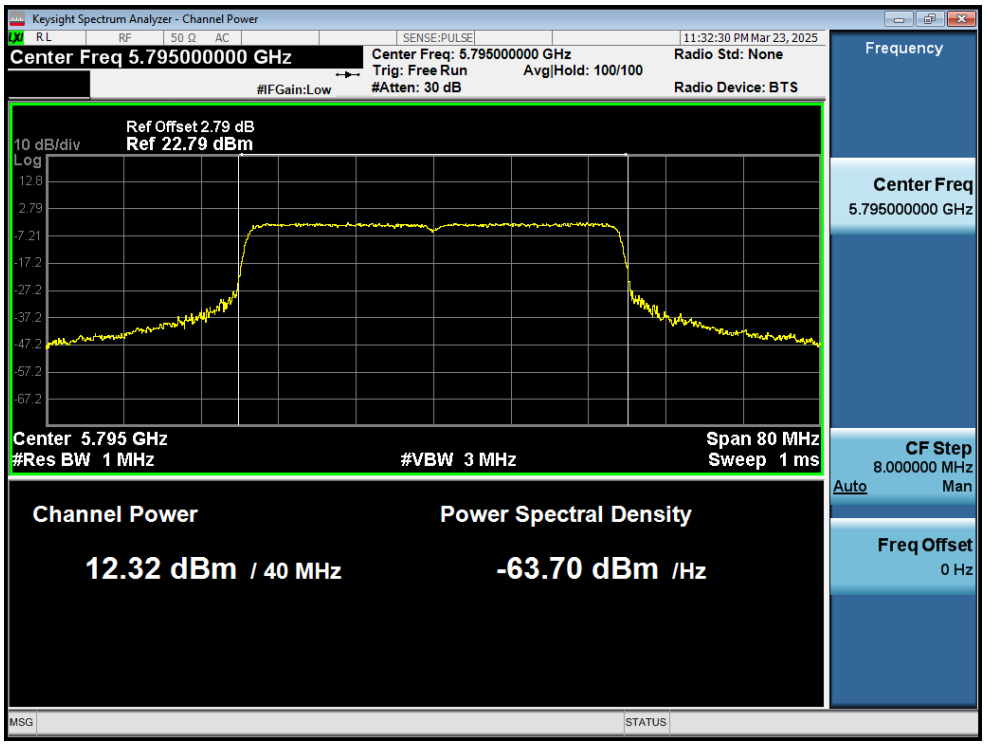
Power NVNT ax20 5785MHz Ant1



Power NVNT ax20 5825MHz Ant1



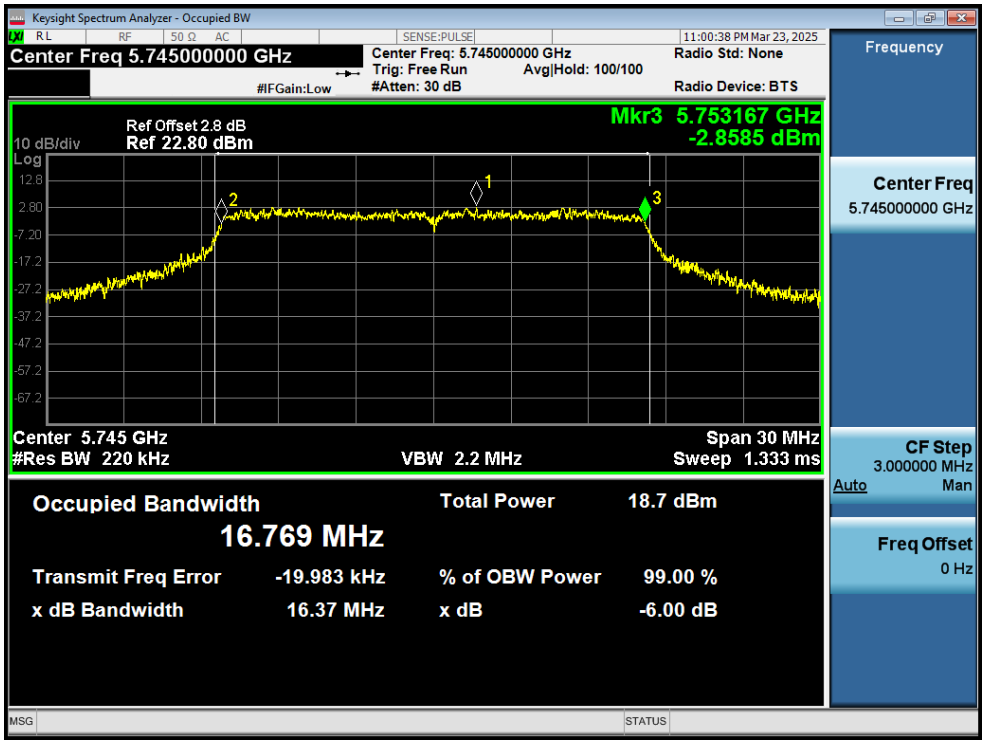
Power NVNT ax40 5755MHz Ant1



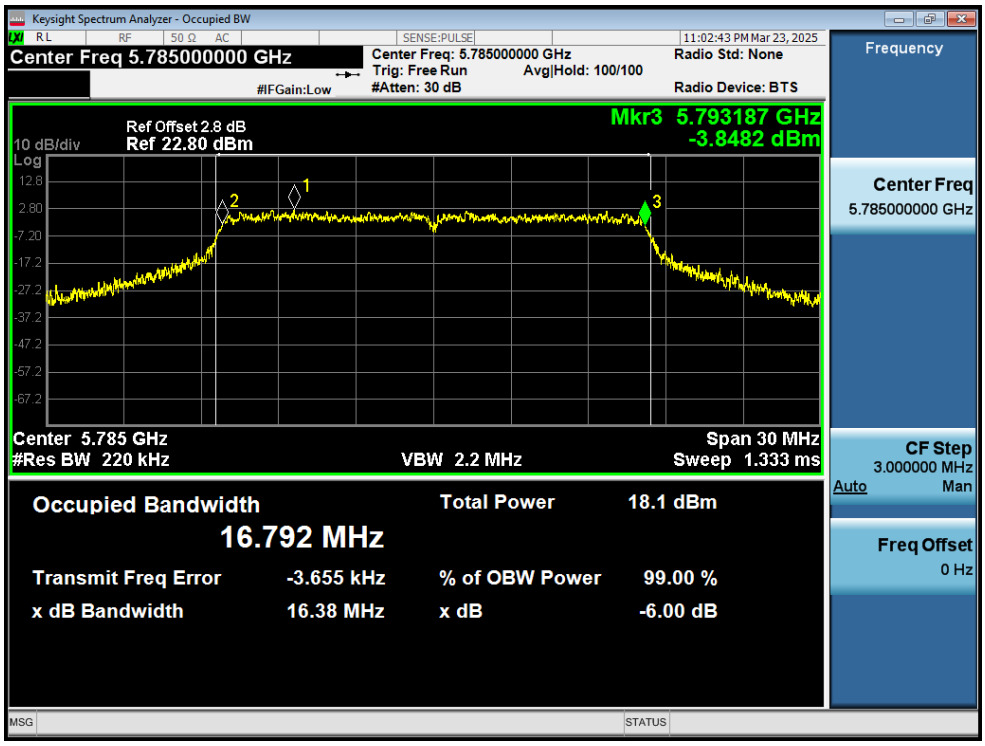
Power NVNT ax40 5795MHz Ant1

3. -6dB Bandwidth

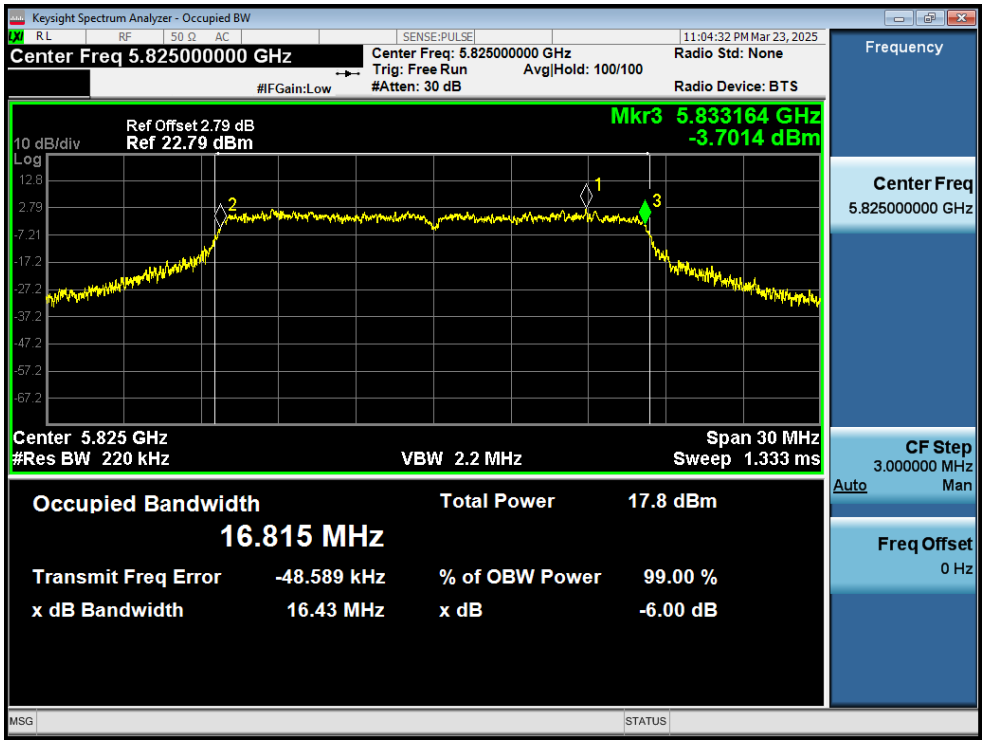
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.373	0.5	Pass
NVNT	a	5785	Ant1	16.382	0.5	Pass
NVNT	a	5825	Ant1	16.425	0.5	Pass
NVNT	n20	5745	Ant1	17.666	0.5	Pass
NVNT	n20	5785	Ant1	17.649	0.5	Pass
NVNT	n20	5825	Ant1	17.631	0.5	Pass
NVNT	n40	5755	Ant1	36.499	0.5	Pass
NVNT	n40	5795	Ant1	36.376	0.5	Pass
NVNT	ac20	5745	Ant1	17.613	0.5	Pass
NVNT	ac20	5785	Ant1	17.635	0.5	Pass
NVNT	ac20	5825	Ant1	17.623	0.5	Pass
NVNT	ac40	5755	Ant1	36.307	0.5	Pass
NVNT	ac40	5795	Ant1	36.395	0.5	Pass
NVNT	ax20	5745	Ant1	19.016	0.5	Pass
NVNT	ax20	5785	Ant1	19.233	0.5	Pass
NVNT	ax20	5825	Ant1	19.124	0.5	Pass
NVNT	ax40	5755	Ant1	37.965	0.5	Pass
NVNT	ax40	5795	Ant1	37.971	0.5	Pass



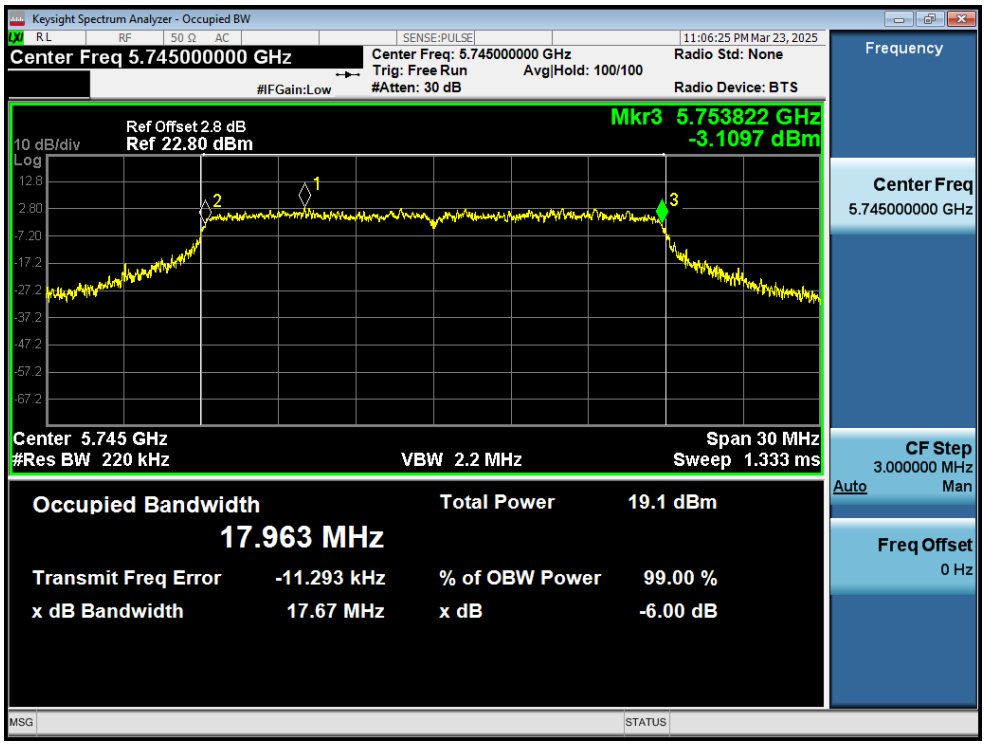
-6dB Bandwidth NVNT a 5745MHz Ant1



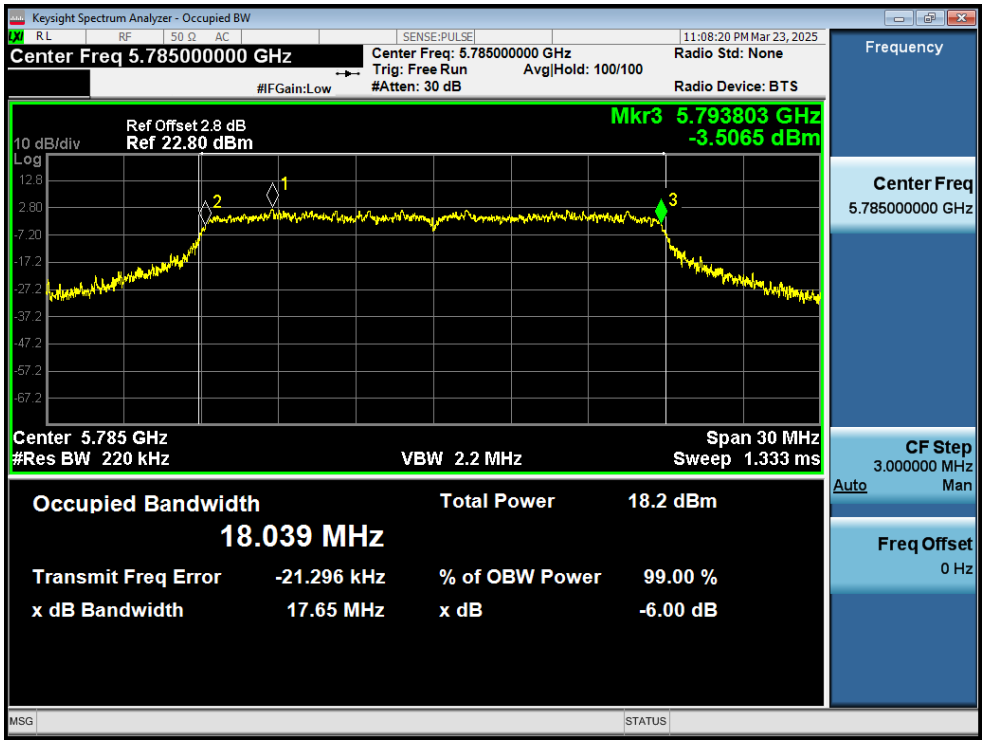
-6dB Bandwidth NVNT a 5785MHz Ant1



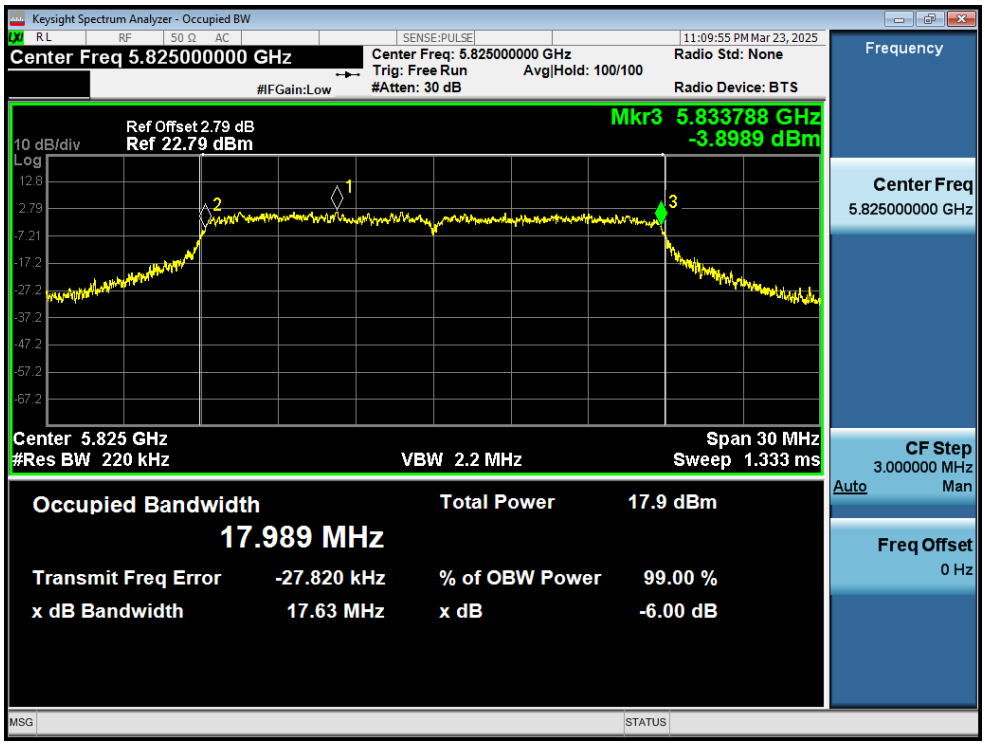
-6dB Bandwidth NVNT a 5825MHz Ant1



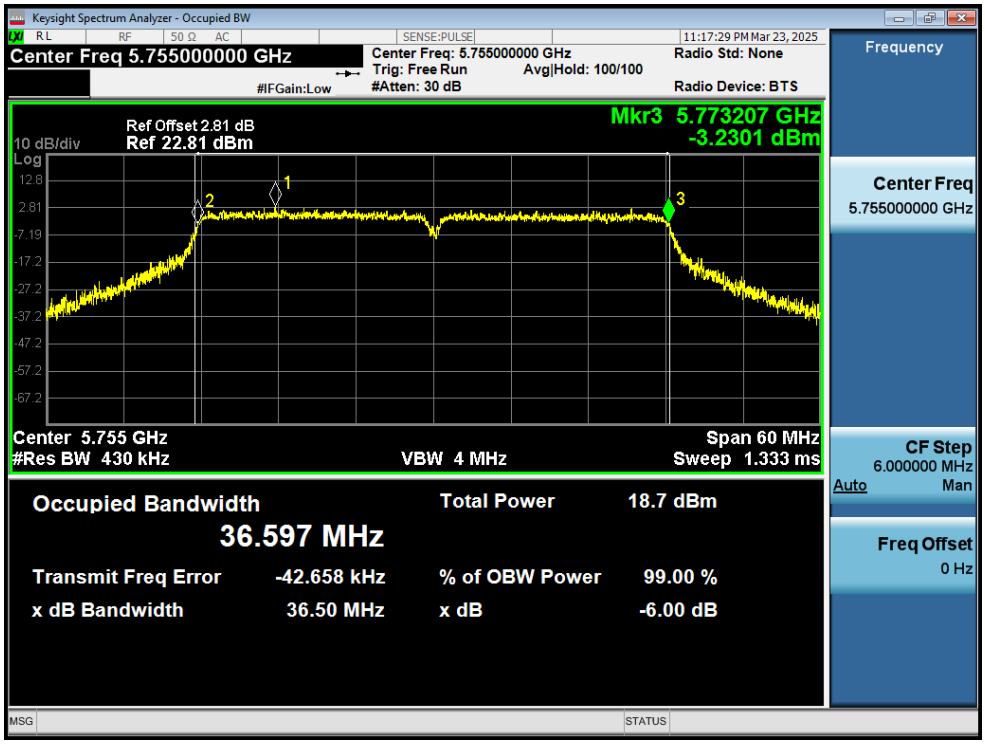
-6dB Bandwidth NVNT n20 5745MHz Ant1



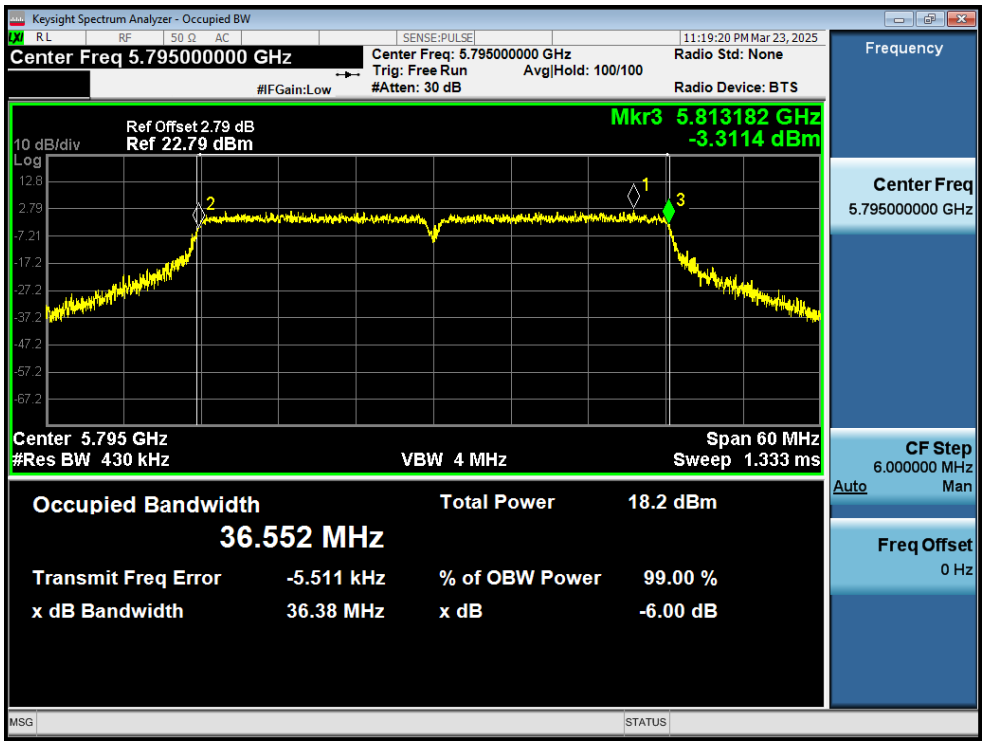
-6dB Bandwidth NVNT n20 5785MHz Ant1



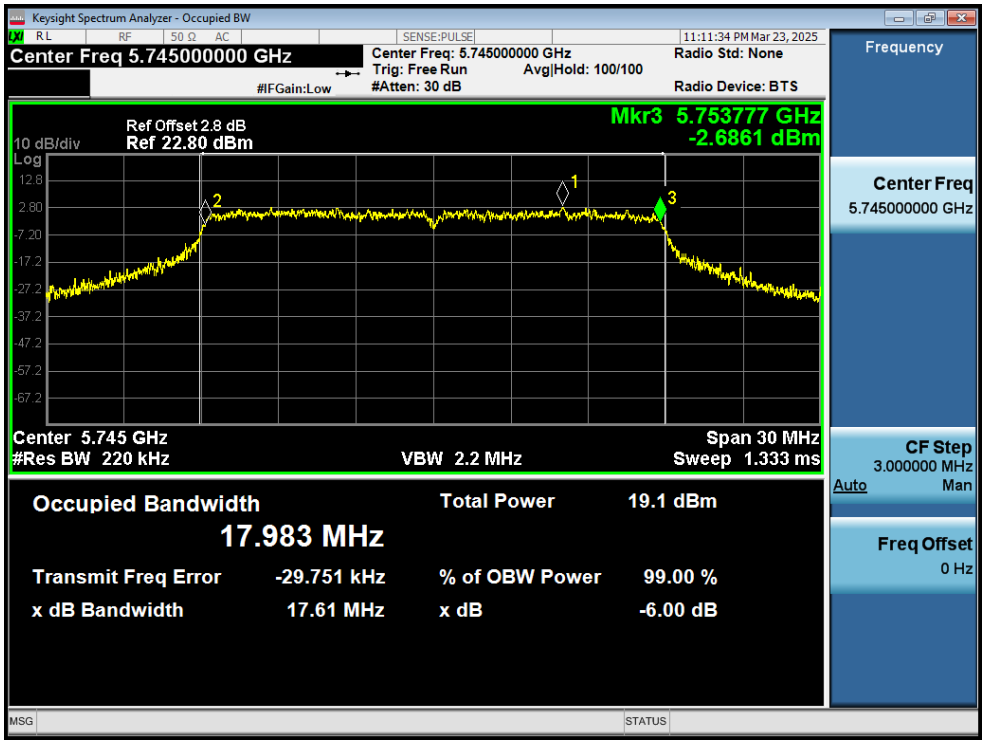
-6dB Bandwidth NVNT n20 5825MHz Ant1



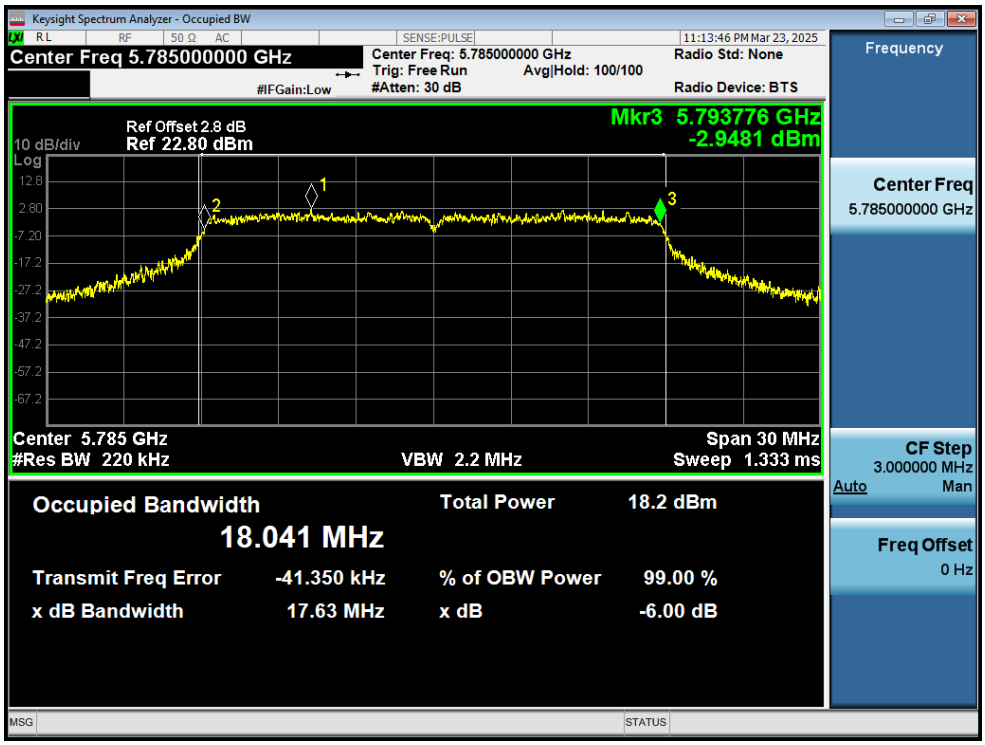
-6dB Bandwidth NVNT n40 5755MHz Ant1



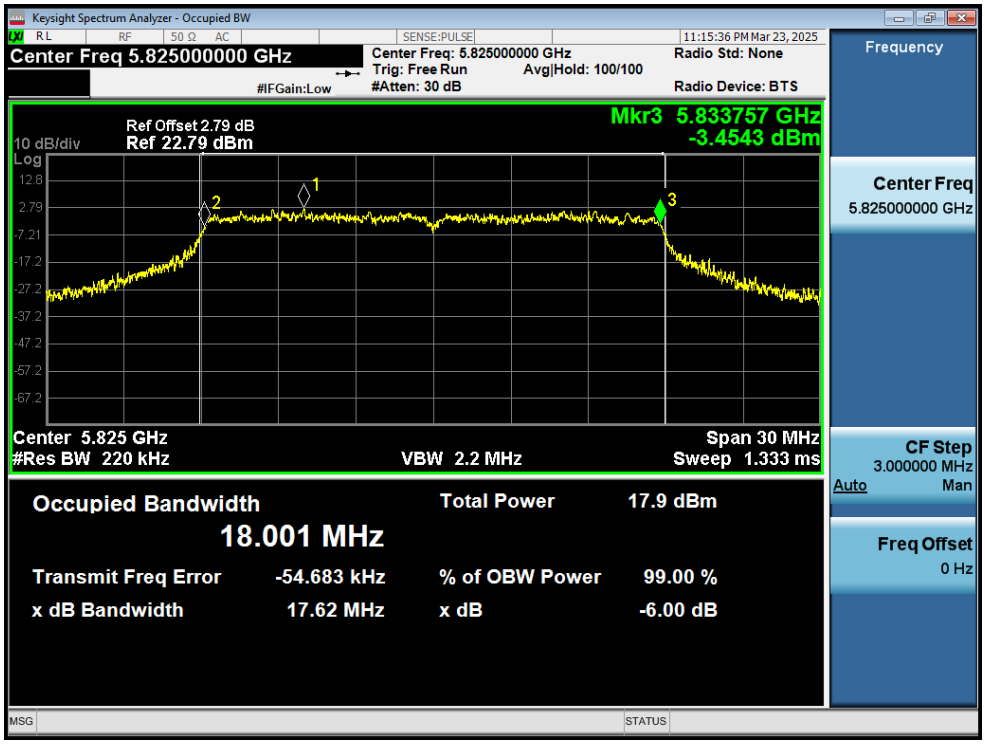
-6dB Bandwidth NVNT n40 5795MHz Ant1



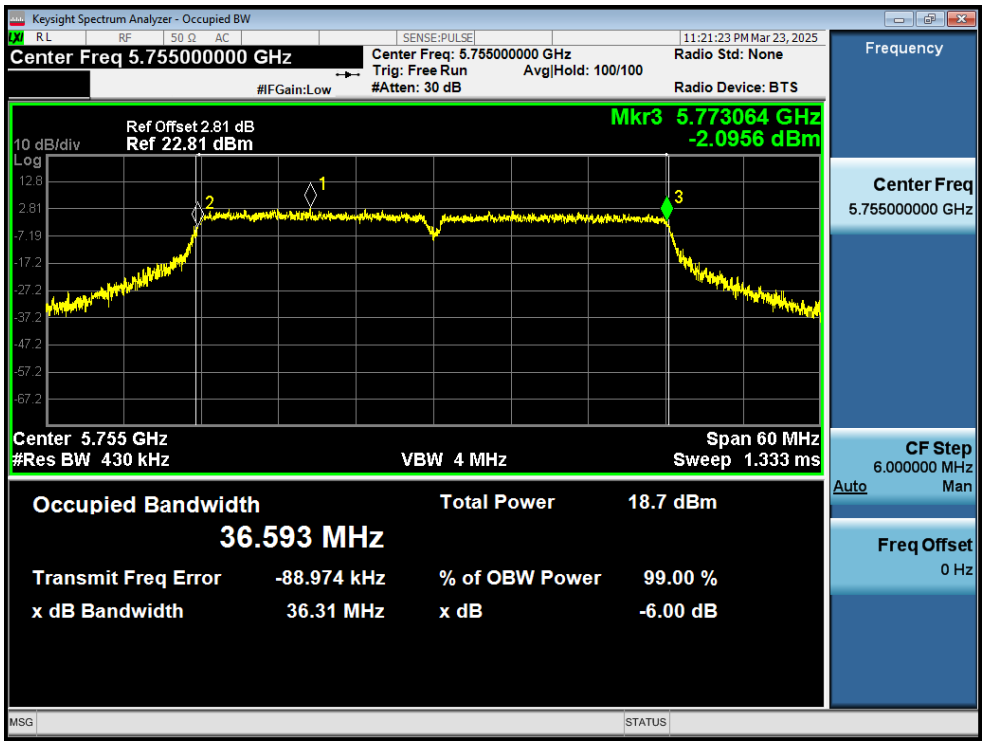
-6dB Bandwidth NVNT ac20 5745MHz Ant1



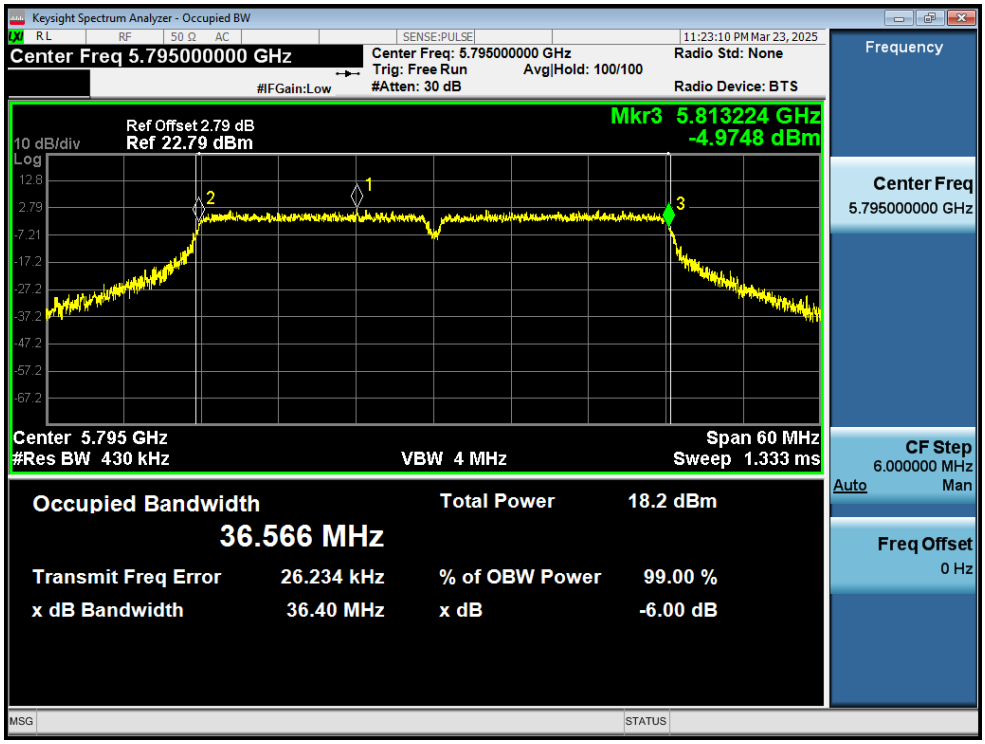
-6dB Bandwidth NVNT ac20 5785MHz Ant1



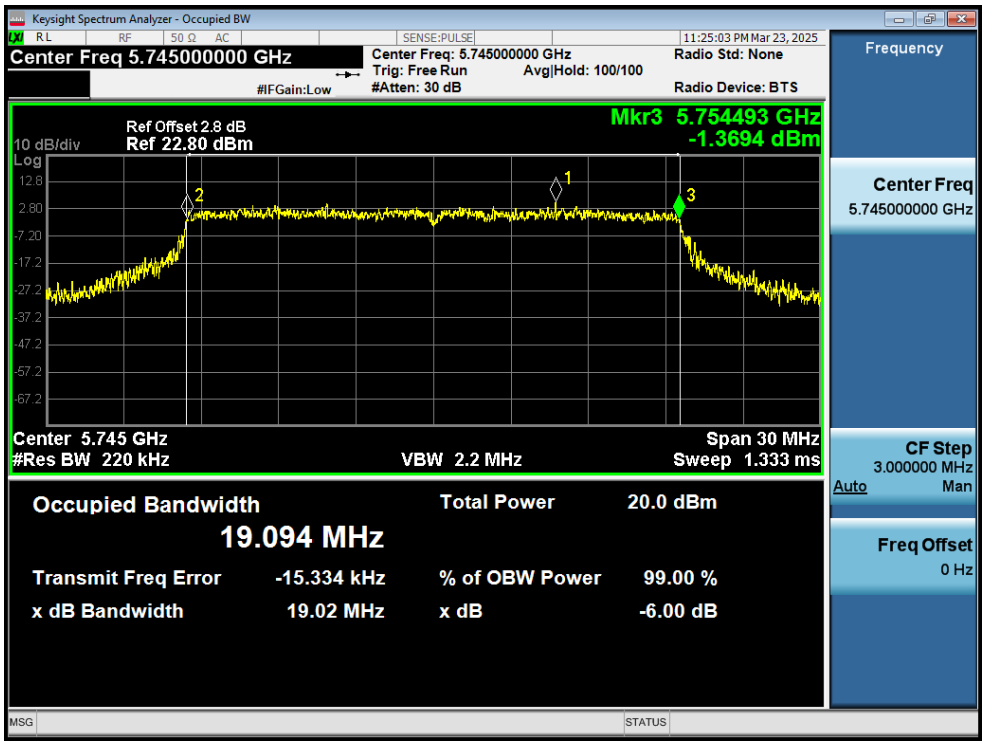
-6dB Bandwidth NVNT ac20 5825MHz Ant1



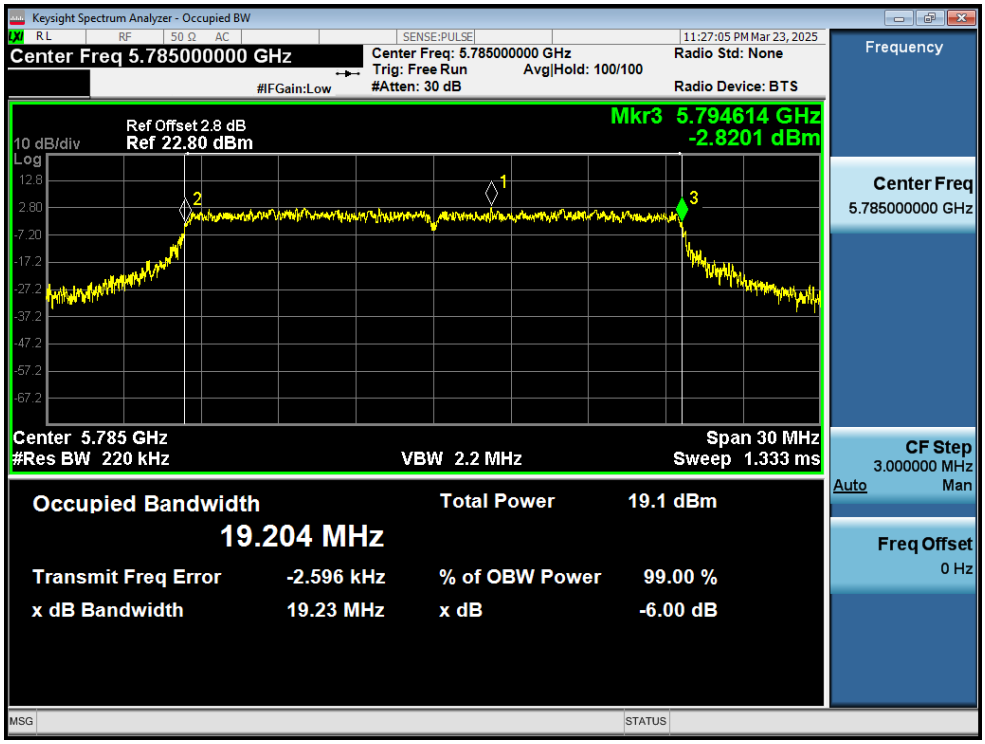
-6dB Bandwidth NVNT ac40 5755MHz Ant1



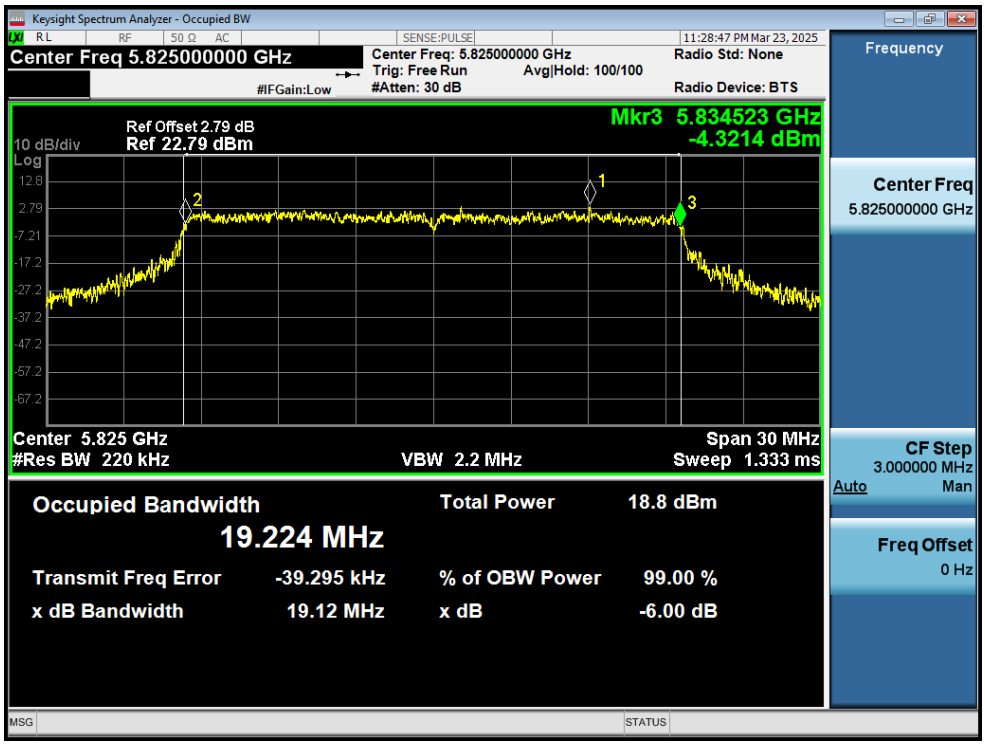
-6dB Bandwidth NVNT ac40 5795MHz Ant1



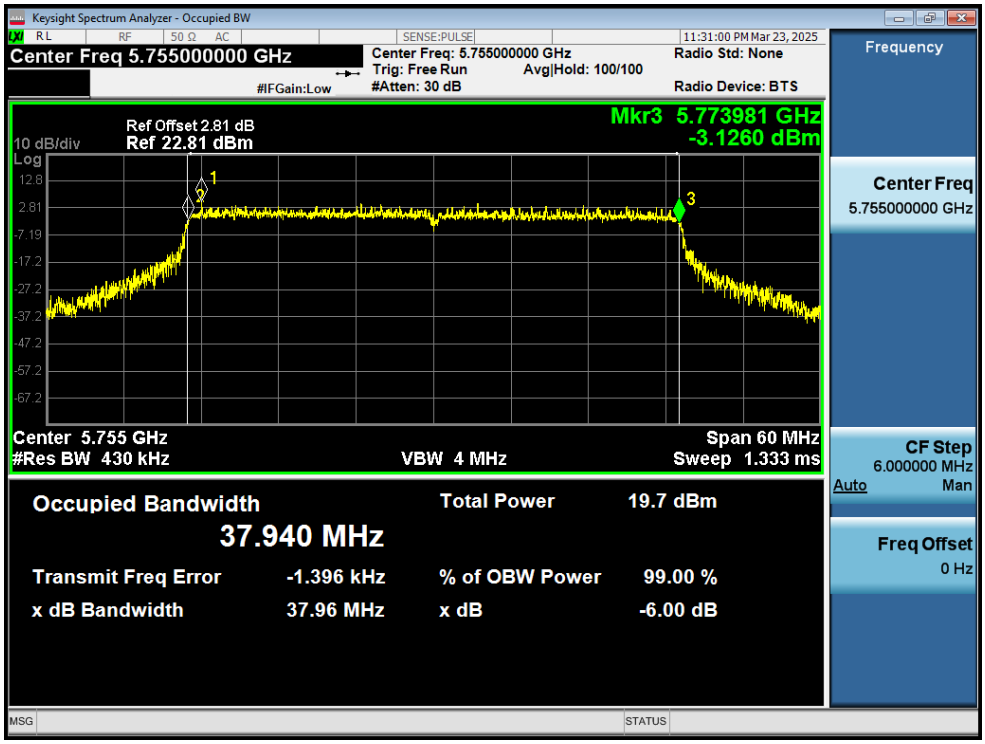
-6dB Bandwidth NVNT ax20 5745MHz Ant1



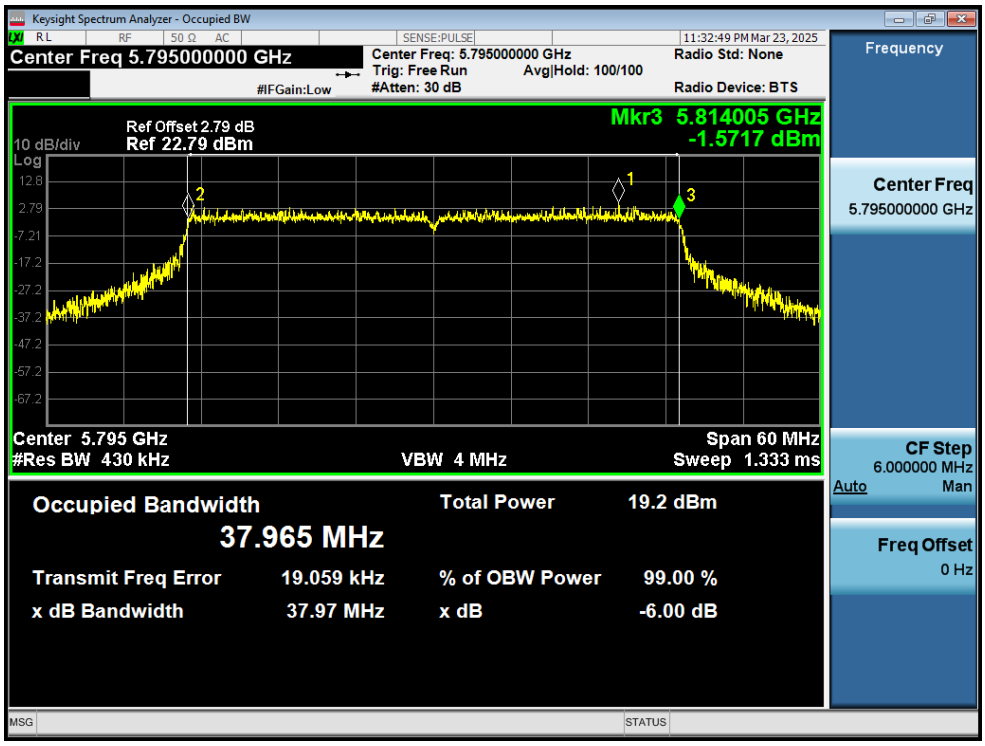
-6dB Bandwidth NVNT ax20 5785MHz Ant1



-6dB Bandwidth NVNT ax20 5825MHz Ant1



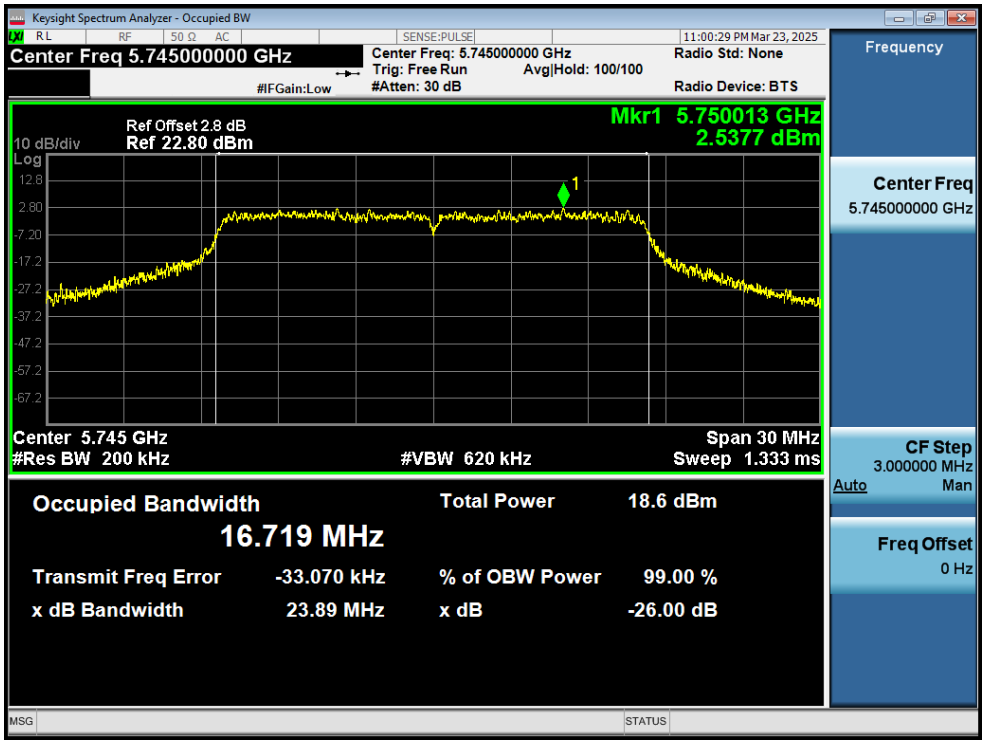
-6dB Bandwidth NVNT ax40 5755MHz Ant1



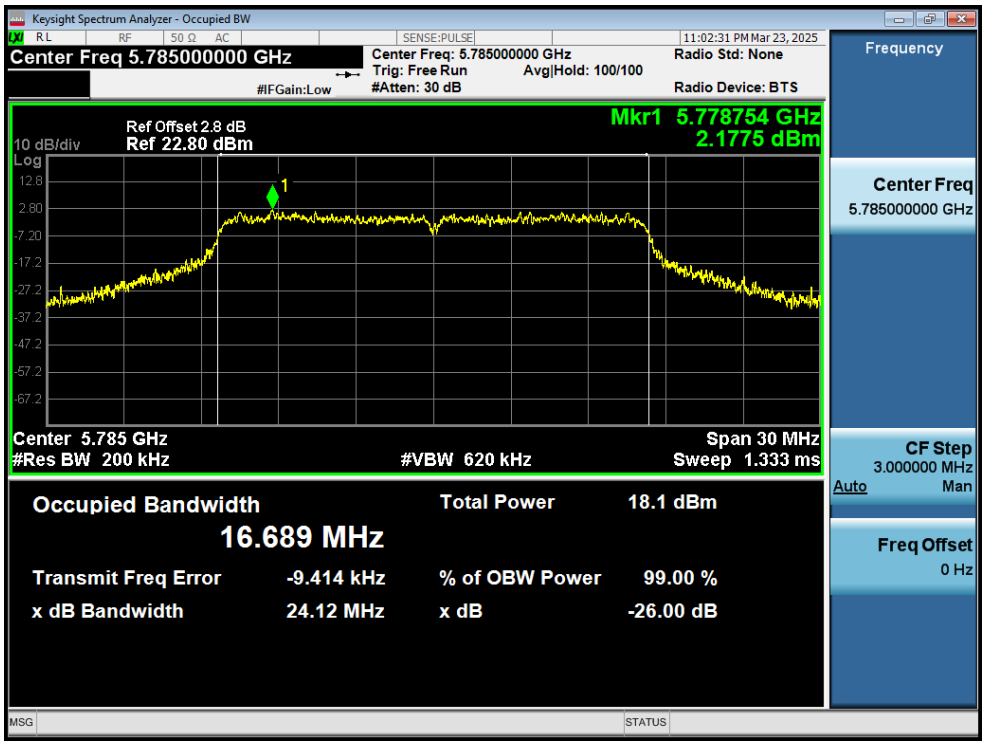
-6dB Bandwidth NVNT ax40 5795MHz Ant1

4. Occupied Channel Bandwidth

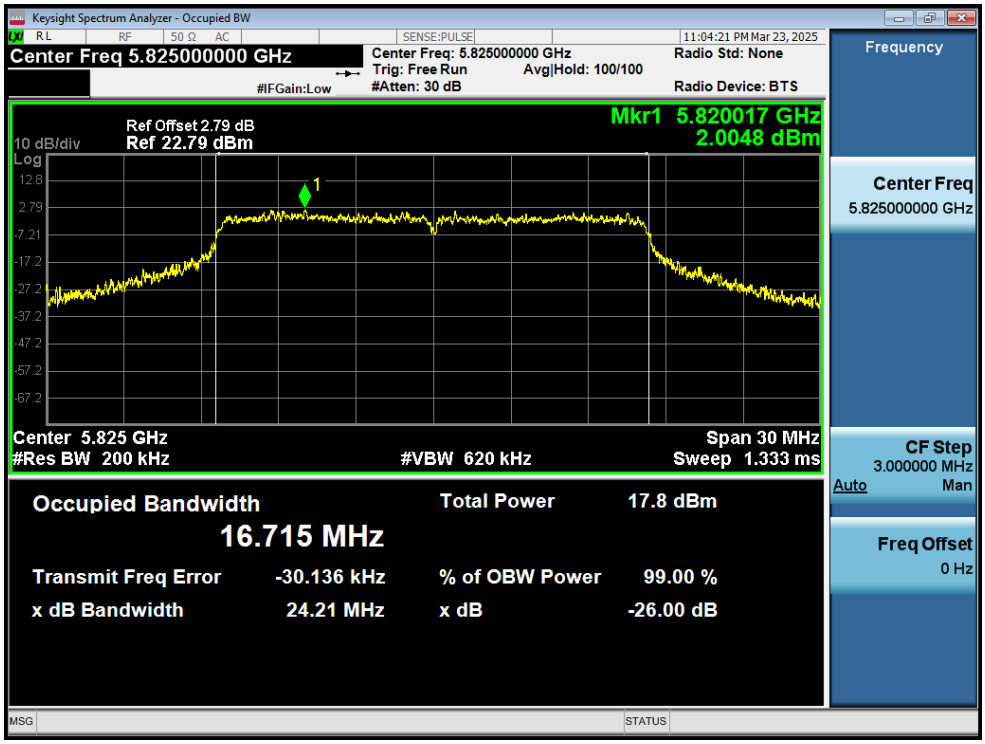
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.719
NVNT	a	5785	Ant1	16.689
NVNT	a	5825	Ant1	16.715
NVNT	n20	5745	Ant1	17.912
NVNT	n20	5785	Ant1	17.907
NVNT	n20	5825	Ant1	17.968
NVNT	n40	5755	Ant1	36.526
NVNT	n40	5795	Ant1	36.564
NVNT	ac20	5745	Ant1	17.961
NVNT	ac20	5785	Ant1	17.959
NVNT	ac20	5825	Ant1	17.959
NVNT	ac40	5755	Ant1	36.615
NVNT	ac40	5795	Ant1	36.56
NVNT	ax20	5745	Ant1	19.117
NVNT	ax20	5785	Ant1	19.107
NVNT	ax20	5825	Ant1	19.161
NVNT	ax40	5755	Ant1	37.991
NVNT	ax40	5795	Ant1	37.995



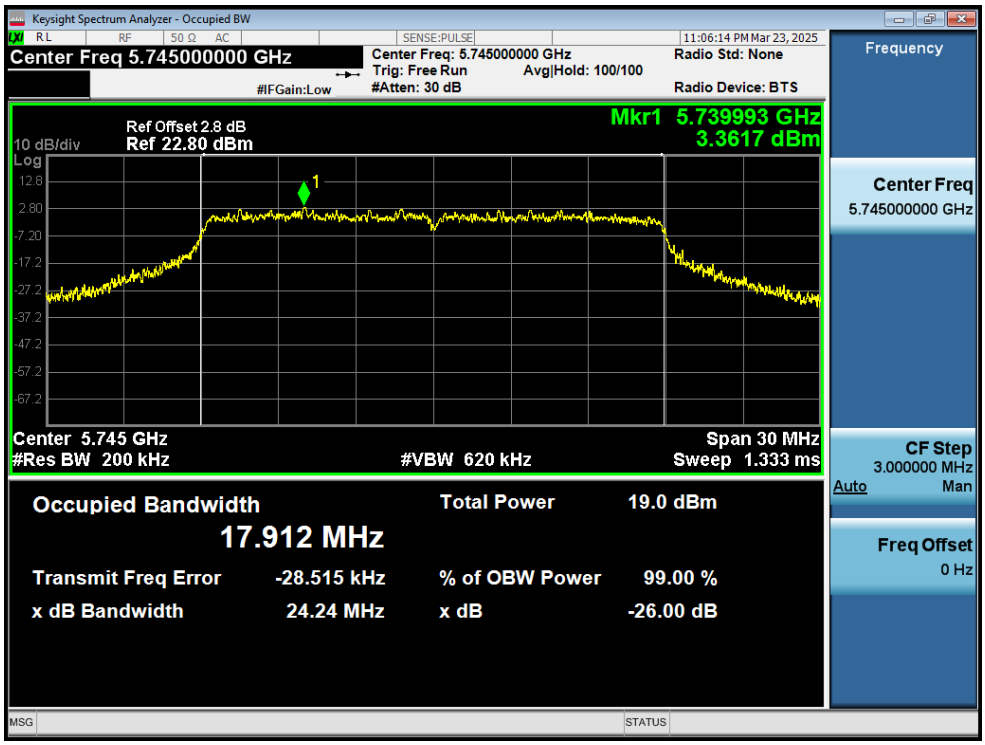
OBW NVNT a 5745MHz Ant1



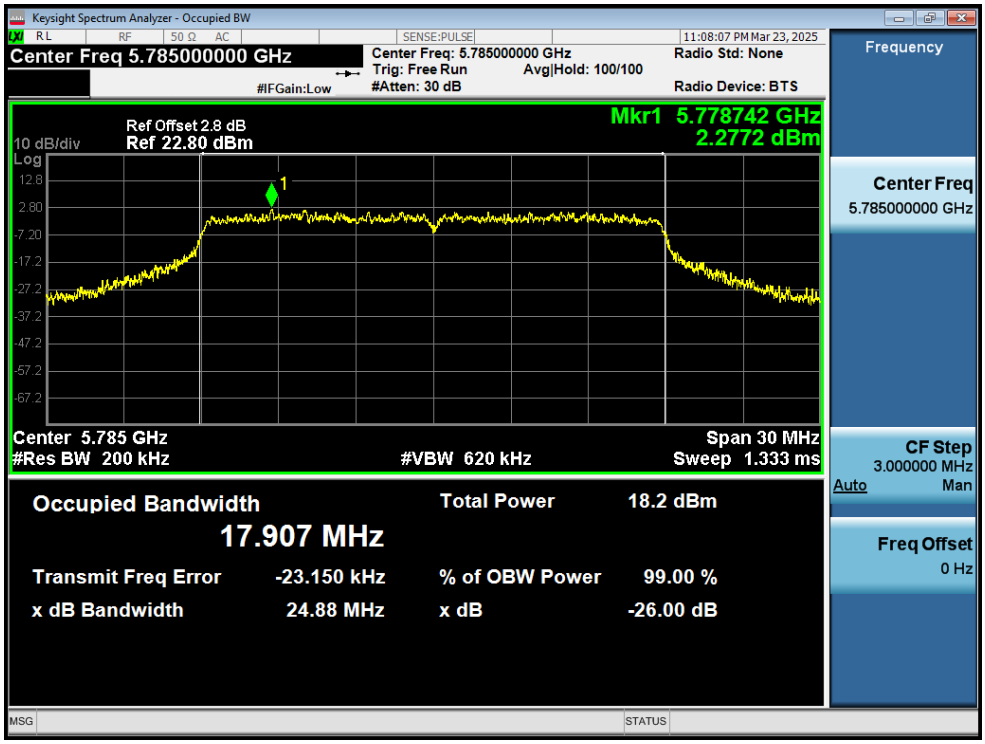
OBW NVNT a 5785MHz Ant1



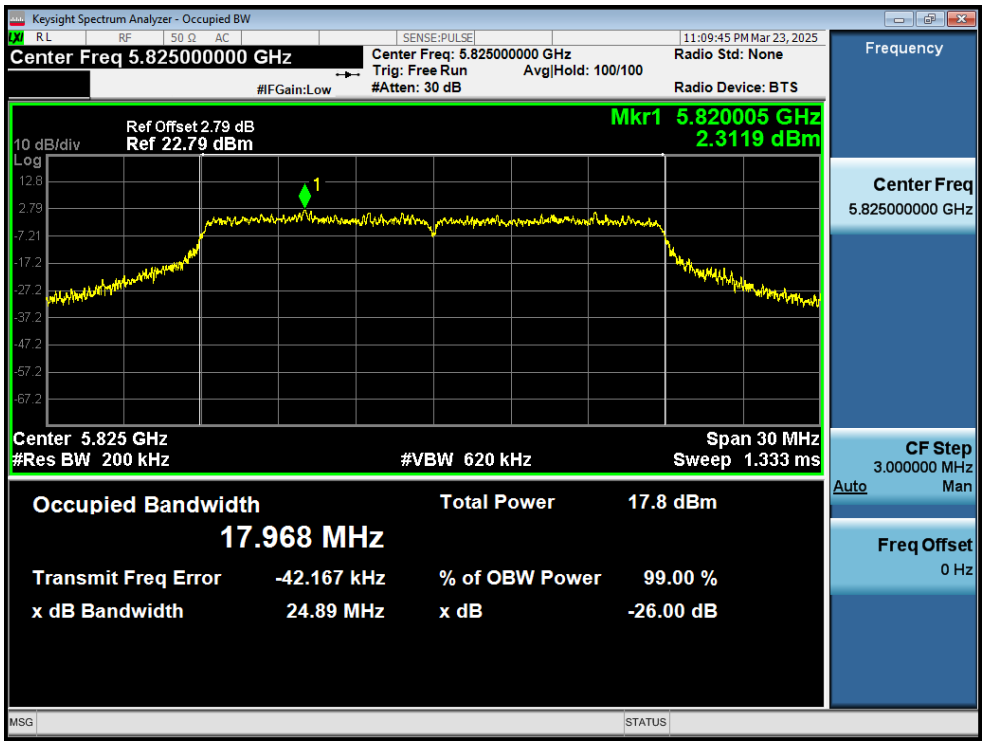
OBW NVNT a 5825MHz Ant1



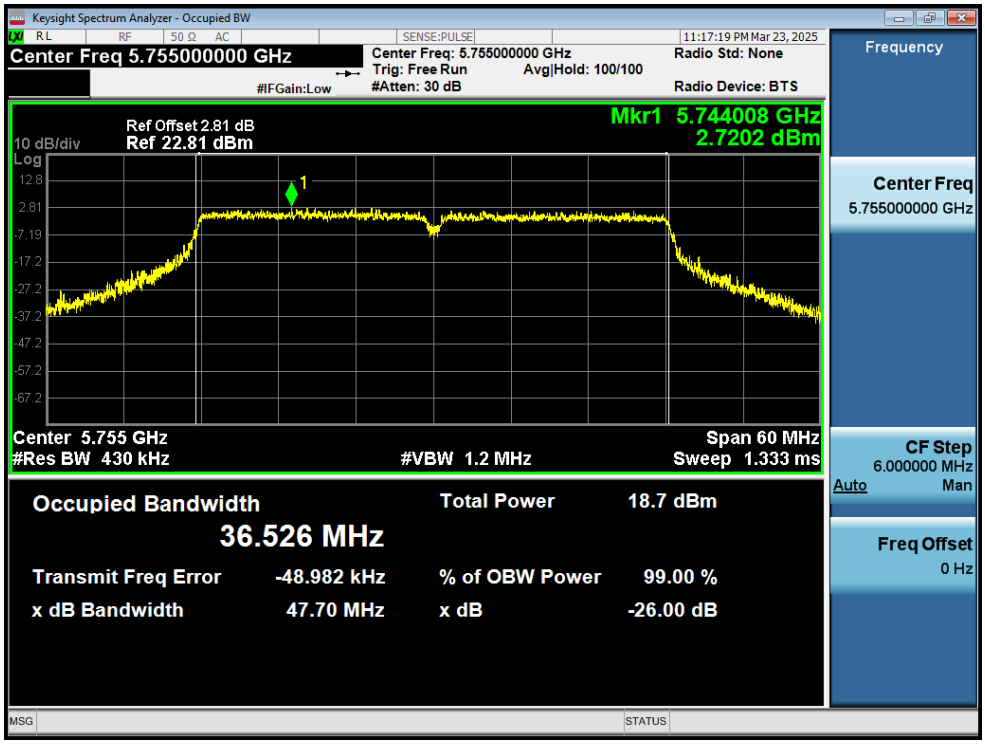
OBW NVNT n20 5745MHz Ant1



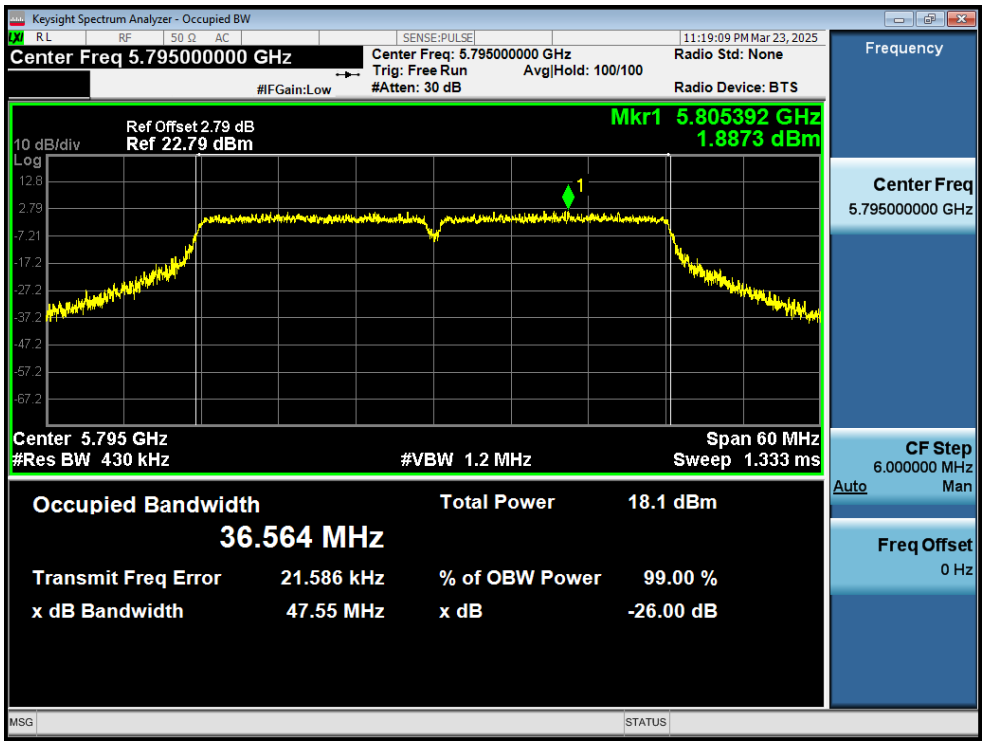
OBW NVNT n20 5785MHz Ant1



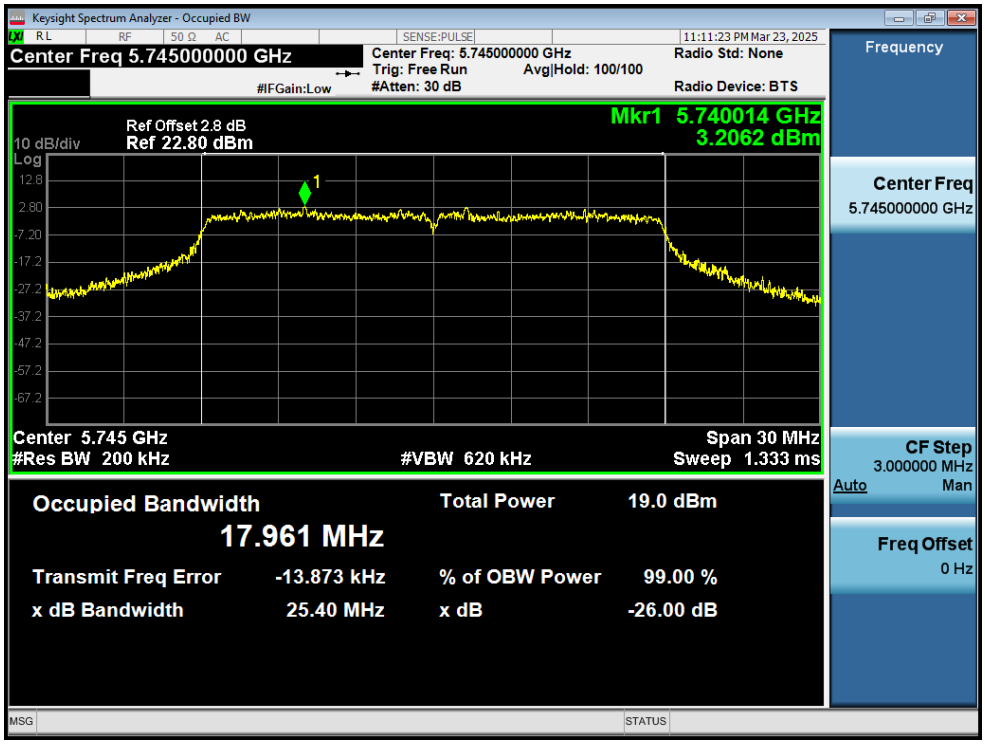
OBW NVNT n20 5825MHz Ant1



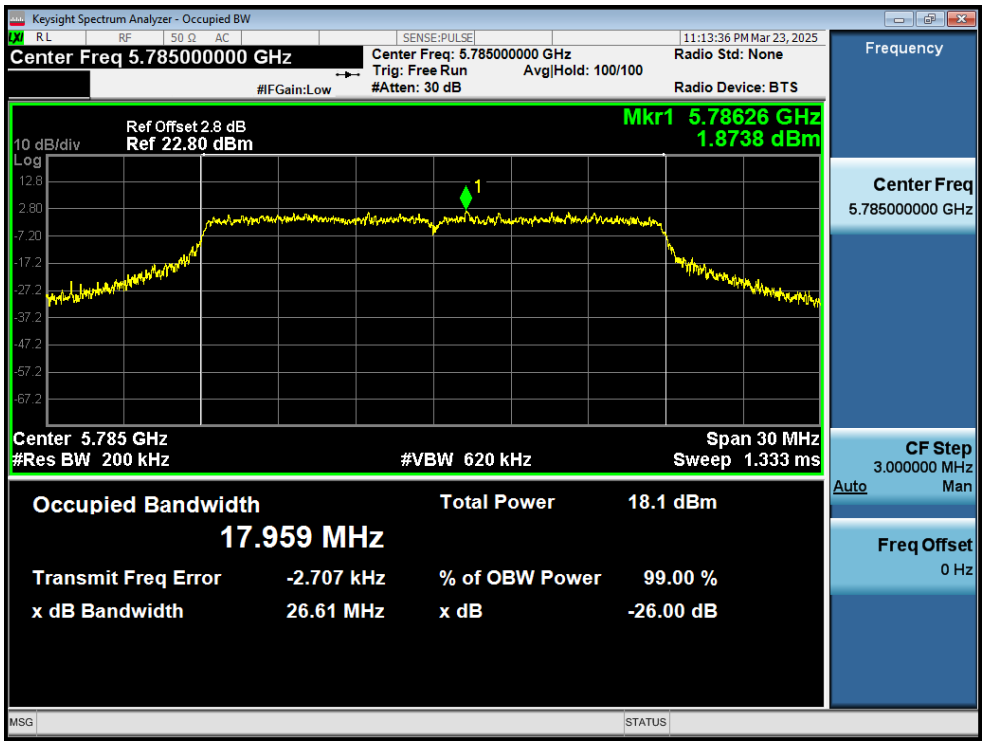
OBW NVNT n40 5755MHz Ant1



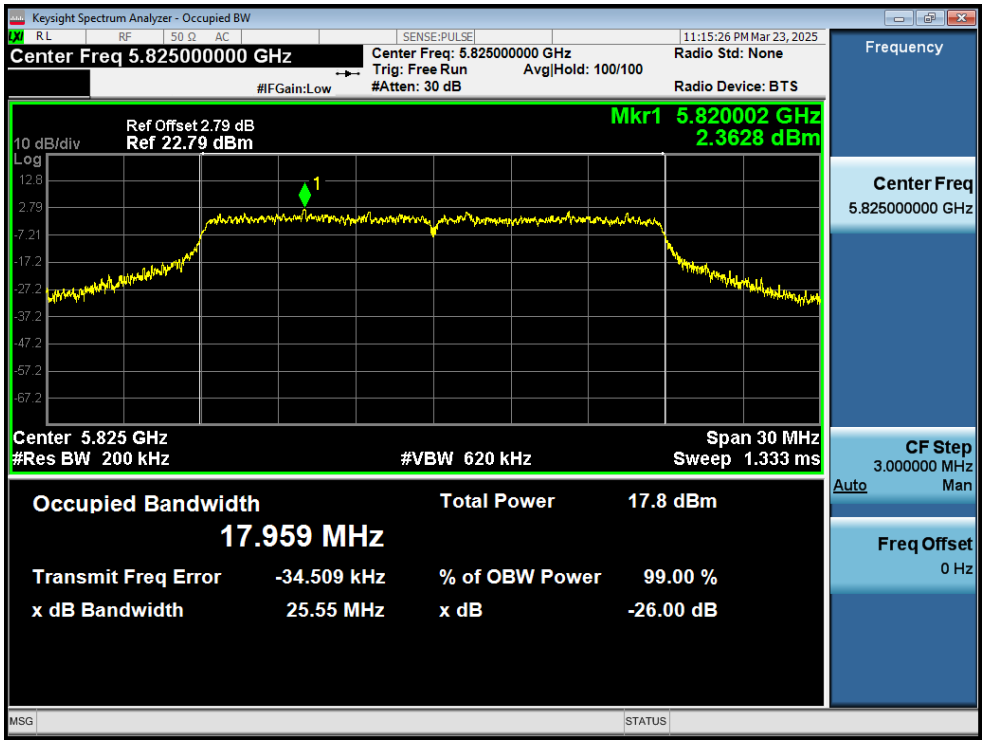
OBW NVNT n40 5795MHz Ant1



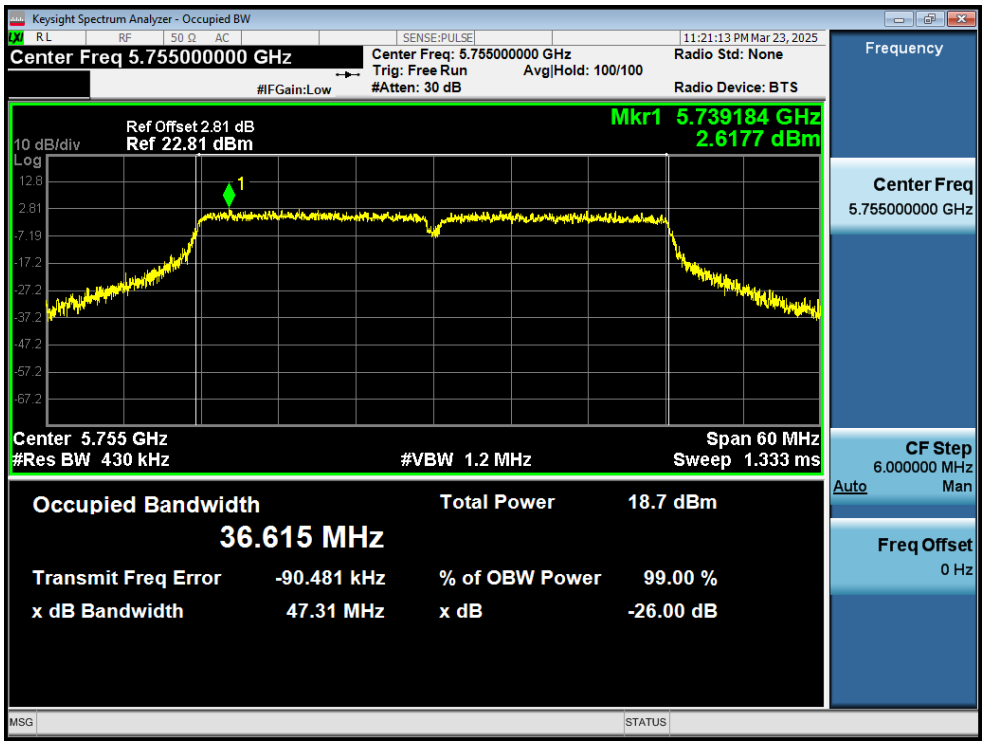
OBW NVNT ac20 5745MHz Ant1



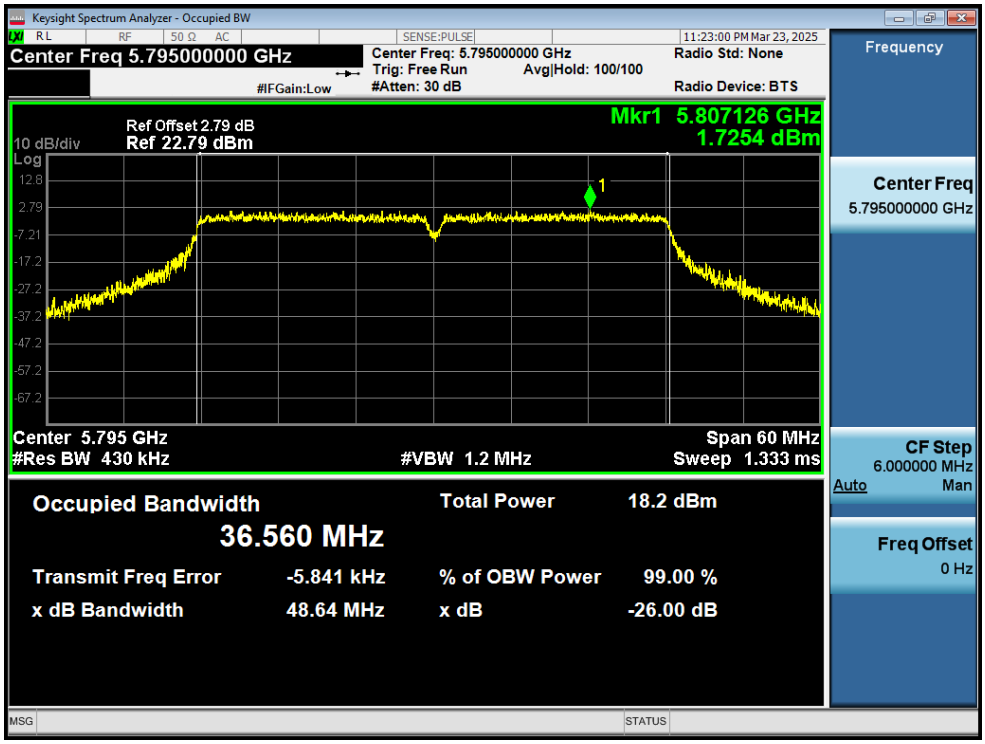
OBW NVNT ac20 5785MHz Ant1



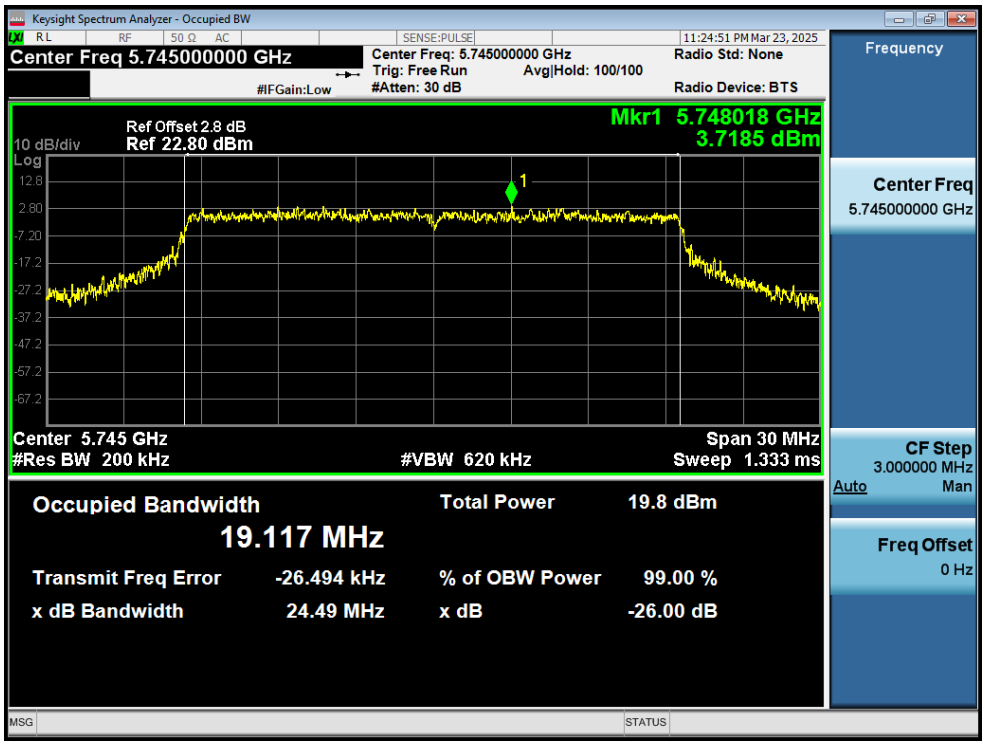
OBW NVNT ac20 5825MHz Ant1



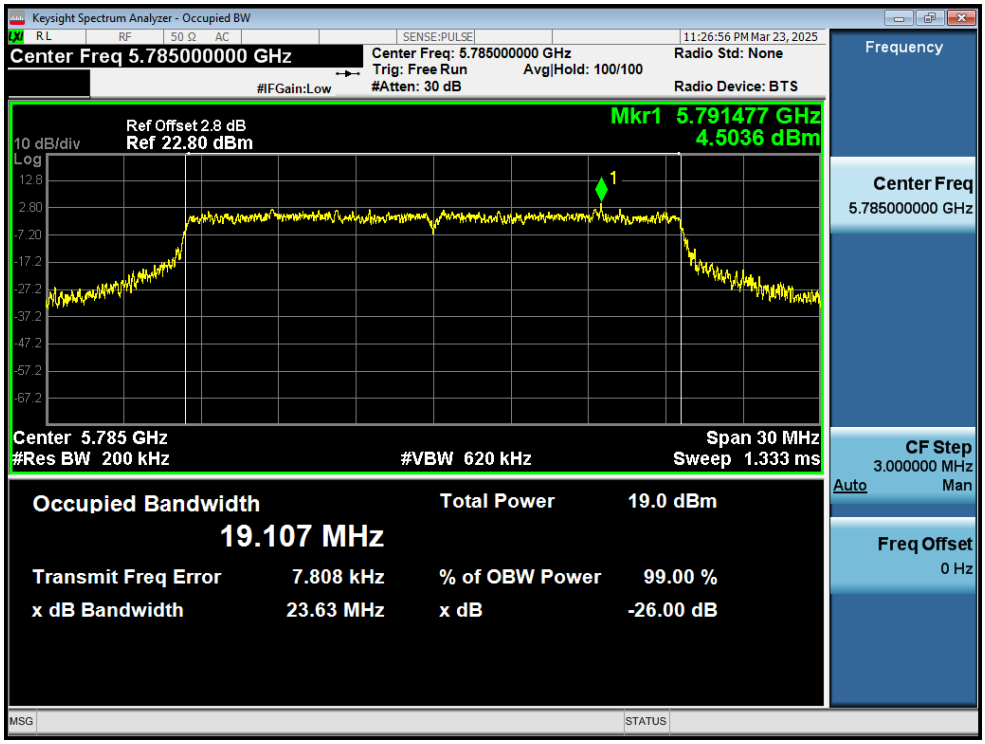
OBW NVNT ac40 5755MHz Ant1



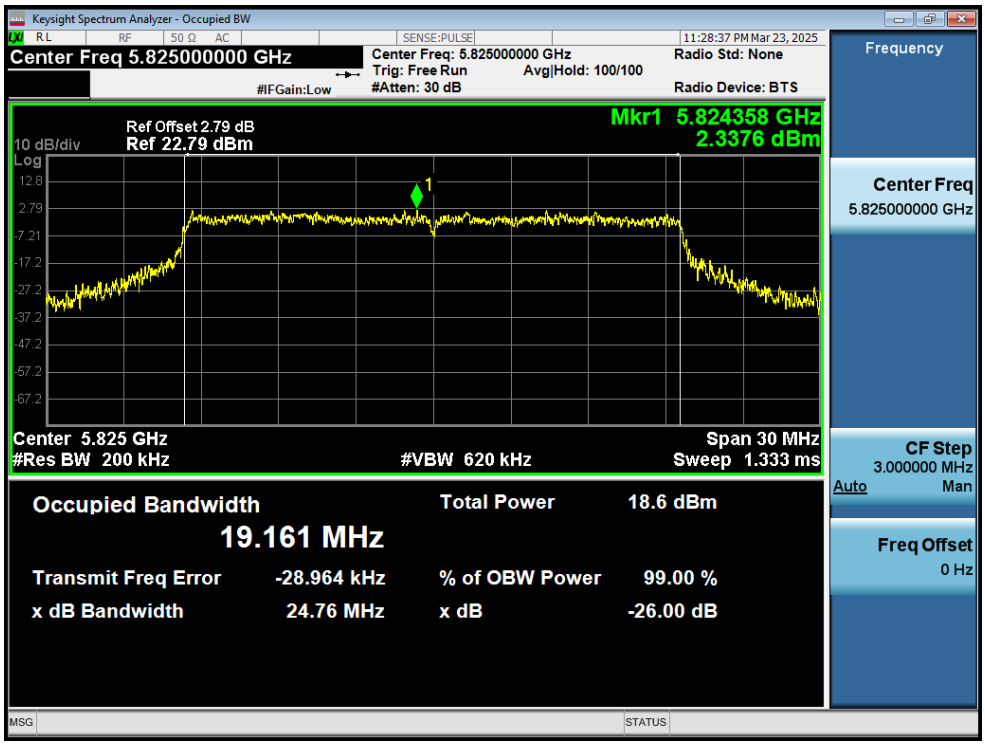
OBW NVNT ac40 5795MHz Ant1



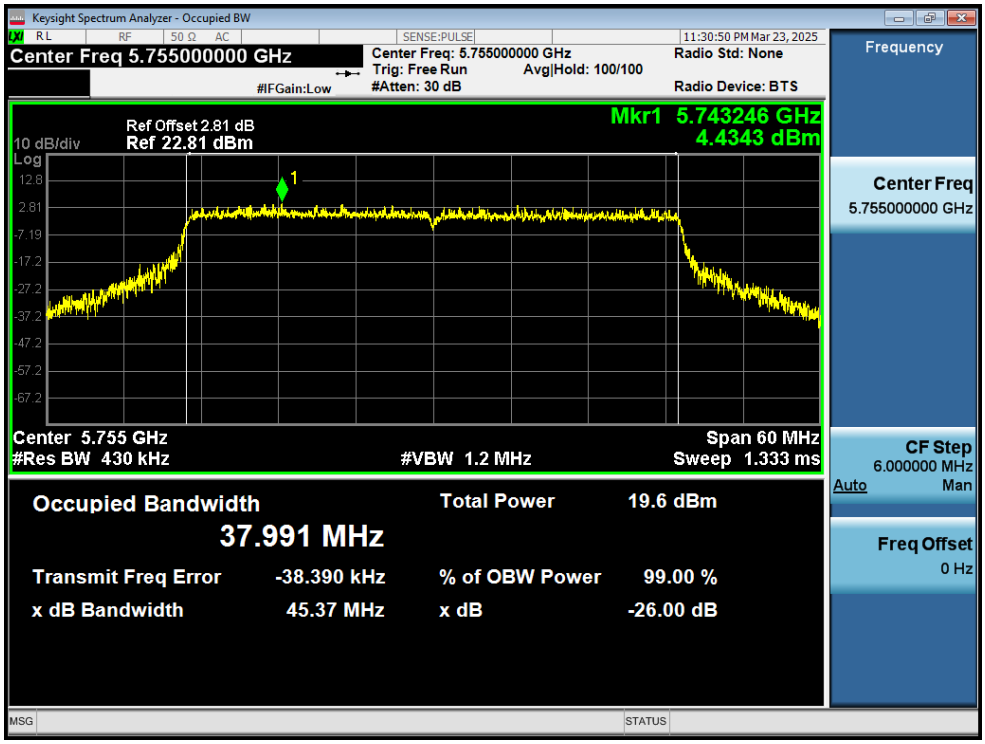
OBW NVNT ax20 5745MHz Ant1



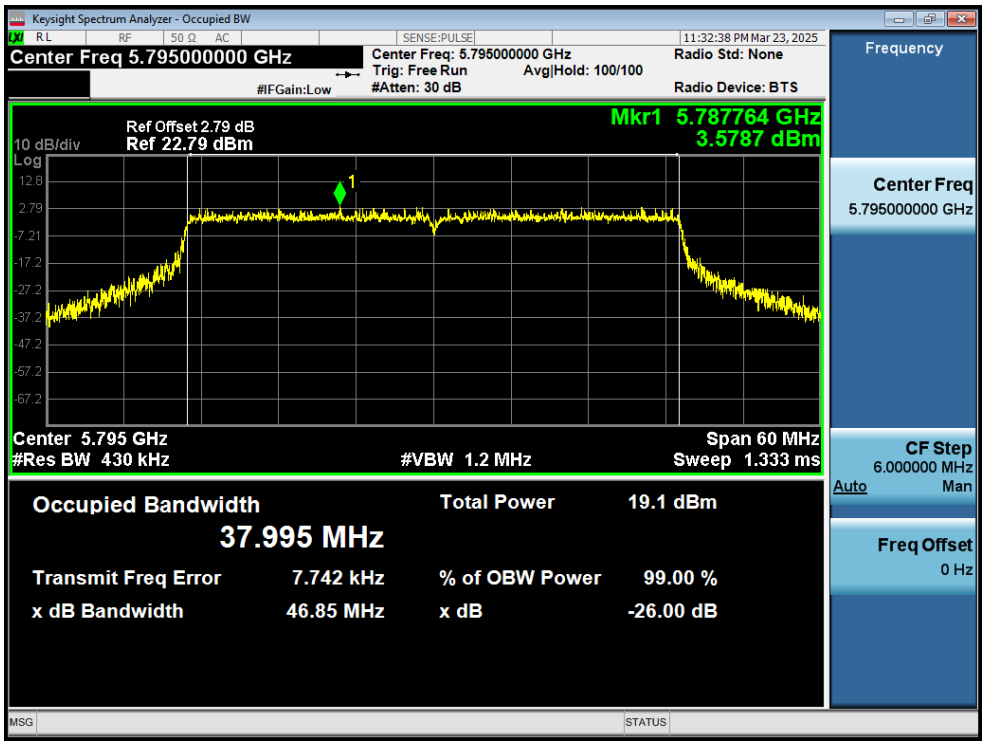
OBW NVNT ax20 5785MHz Ant1



OBW NVNT ax20 5825MHz Ant1



OBW NVNT ax40 5755MHz Ant1



OBW NVNT ax40 5795MHz Ant1

5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	10log (500/510)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-0.25	0.1	-0.086	-0.24	30	Pass
NVNT	a	5785	Ant1	-1.06	0.1	-0.086	-1.05	30	Pass
NVNT	a	5825	Ant1	-1.23	0.1	-0.086	-1.22	30	Pass
NVNT	n20	5745	Ant1	-0.31	0.11	-0.086	-0.286	30	Pass
NVNT	n20	5785	Ant1	-1.14	0.11	-0.086	-1.116	30	Pass
NVNT	n20	5825	Ant1	-1.43	0.11	-0.086	-1.406	30	Pass
NVNT	n40	5755	Ant1	-4.05	0.21	-0.086	-3.926	30	Pass
NVNT	n40	5795	Ant1	-4.69	0.21	-0.086	-4.566	30	Pass
NVNT	ac20	5745	Ant1	-0.3	0.11	-0.086	-0.276	30	Pass
NVNT	ac20	5785	Ant1	-1.23	0.11	-0.086	-1.206	30	Pass
NVNT	ac20	5825	Ant1	-1.51	0.11	-0.086	-1.486	30	Pass
NVNT	ac40	5755	Ant1	-3.85	0.21	-0.086	-3.726	30	Pass
NVNT	ac40	5795	Ant1	-4.57	0.21	-0.086	-4.446	30	Pass
NVNT	ax20	5745	Ant1	-0.59	0.41	-0.086	-0.266	30	Pass
NVNT	ax20	5785	Ant1	-1.35	0.14	-0.086	-1.296	30	Pass
NVNT	ax20	5825	Ant1	-1.53	0.14	-0.086	-1.476	30	Pass
NVNT	ax40	5755	Ant1	-4.07	0.27	-0.086	-3.886	30	Pass
NVNT	ax40	5795	Ant1	-4.57	0.27	-0.086	-4.386	30	Pass

Note: Total PSD = Conducted PSD + Duty Factor + (10log(Limit RBW/Test RBW))

PSD NVNT a 5745MHz Ant1

PSD NVNT a 5785MHz Ant1

PSD NVNT a 5825MHz Ant1

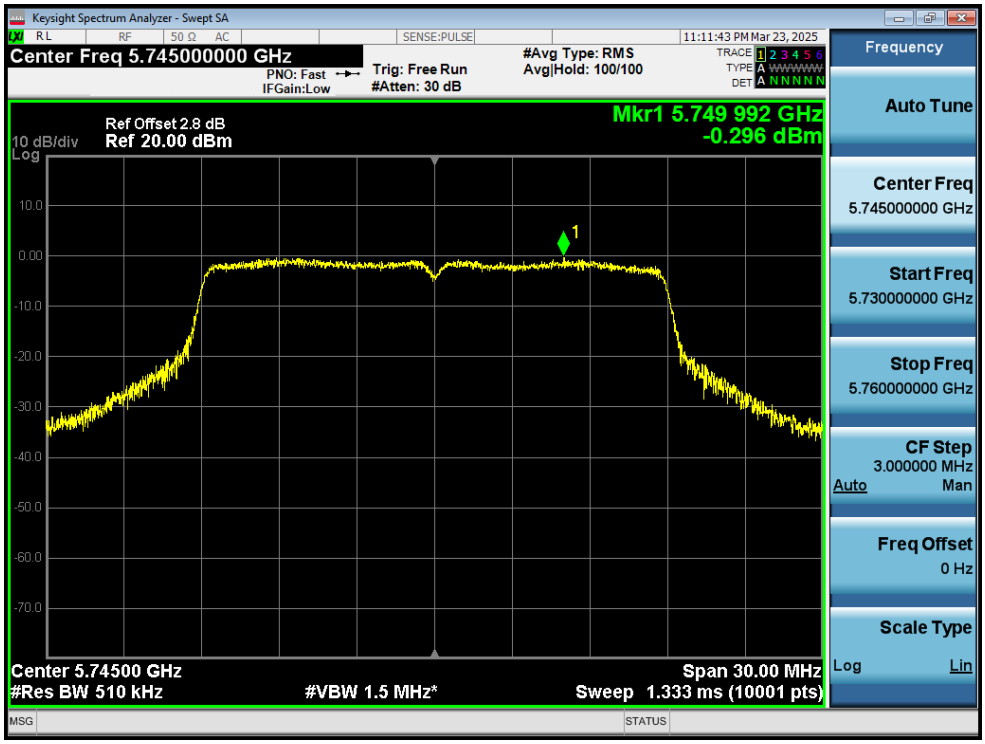
PSD NVNT n20 5745MHz Ant1

PSD NVNT n20 5785MHz Ant1

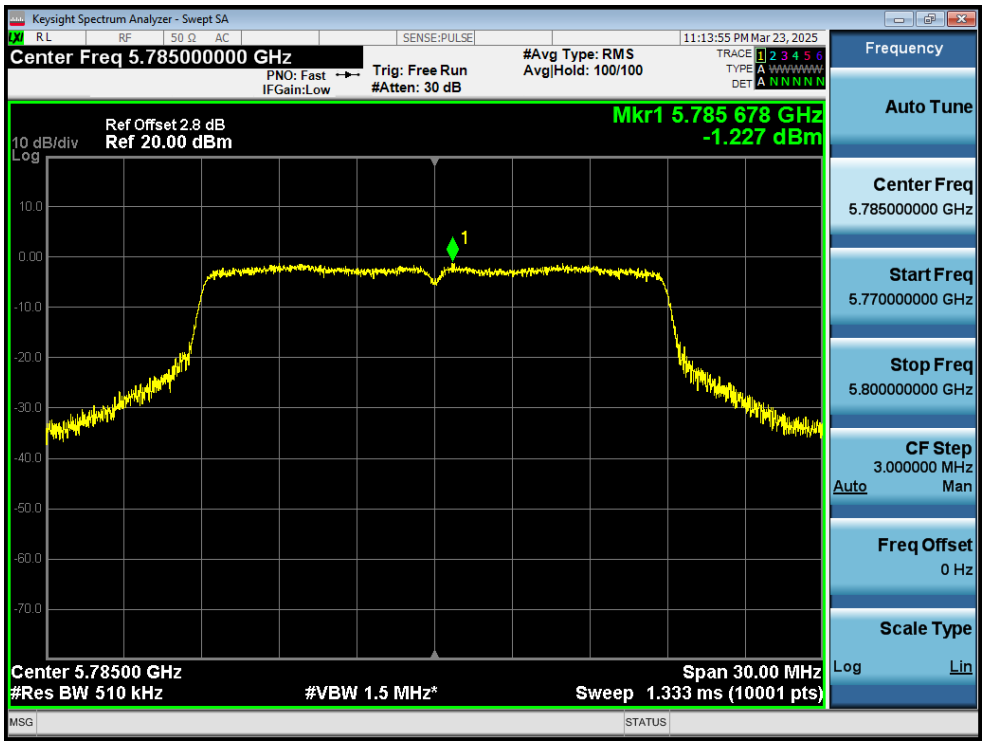
PSD NVNT n20 5825MHz Ant1

PSD NVNT n40 5755MHz Ant1

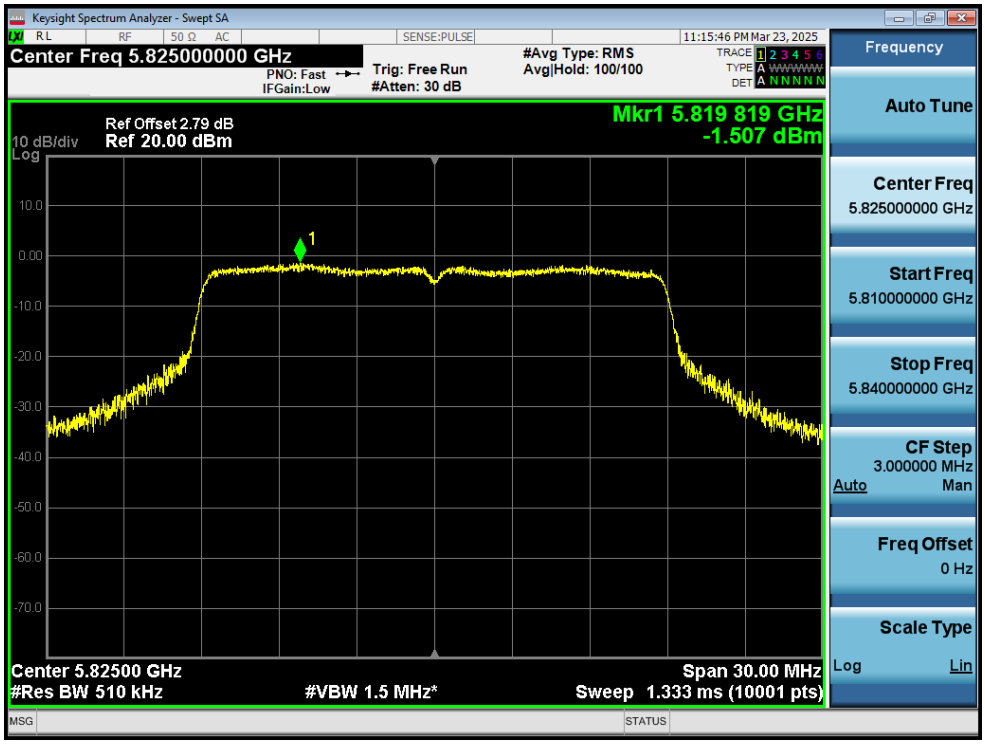
PSD NVNT n40 5795MHz Ant1



PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1

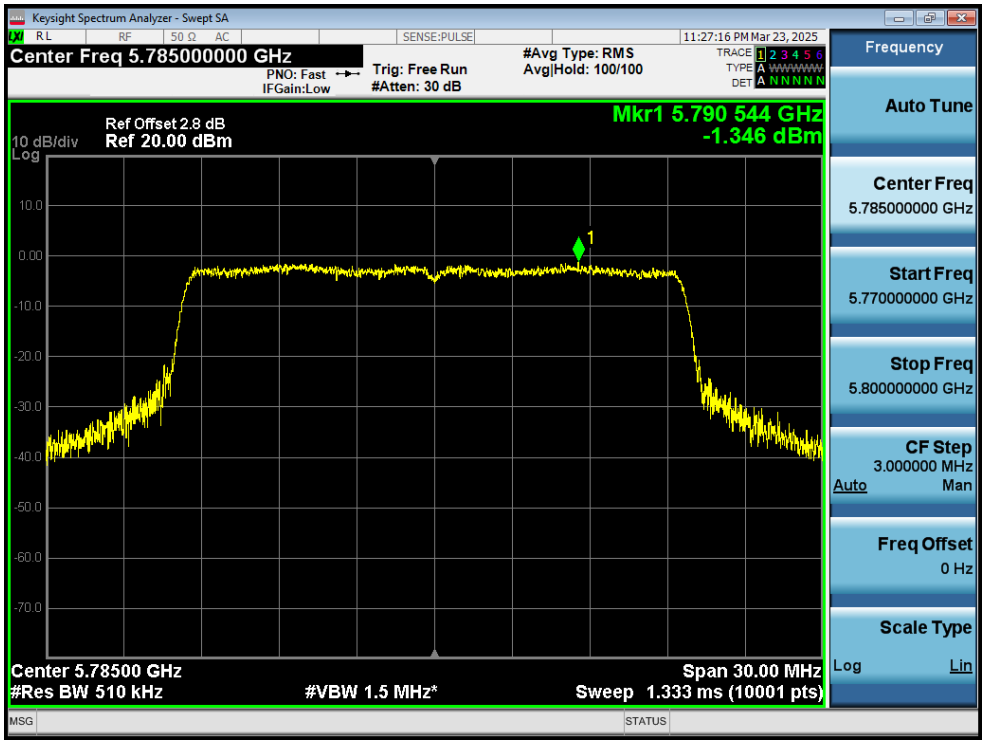


PSD NVNT ac20 5825MHz Ant1

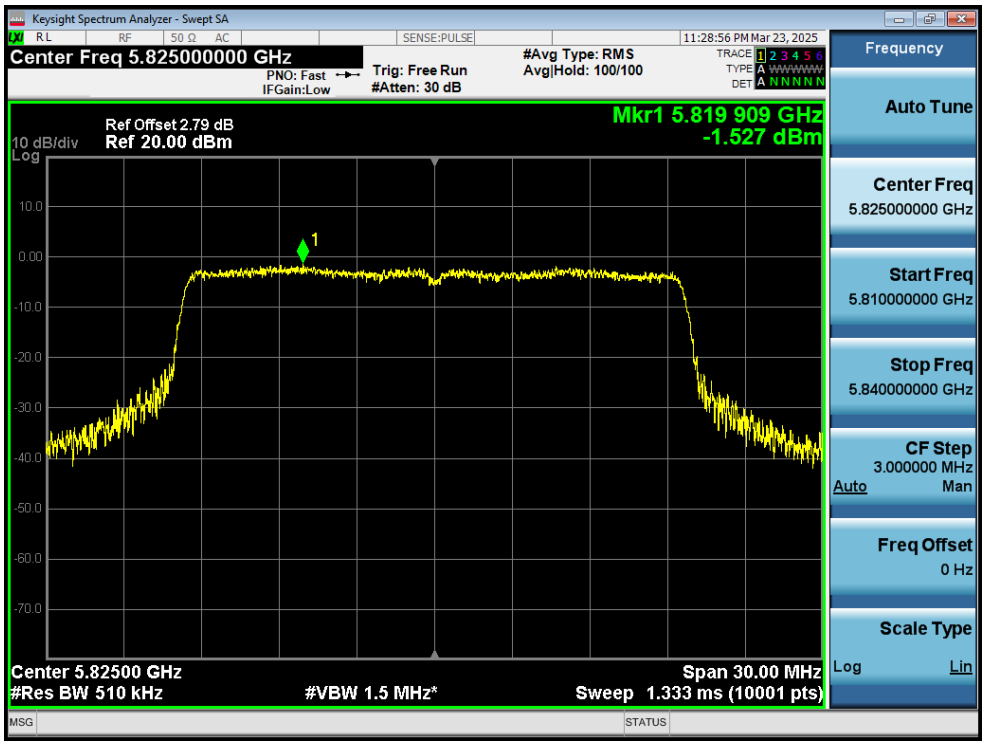
PSD NVNT ac40 5755MHz Ant1

PSD NVNT ac40 5795MHz Ant1

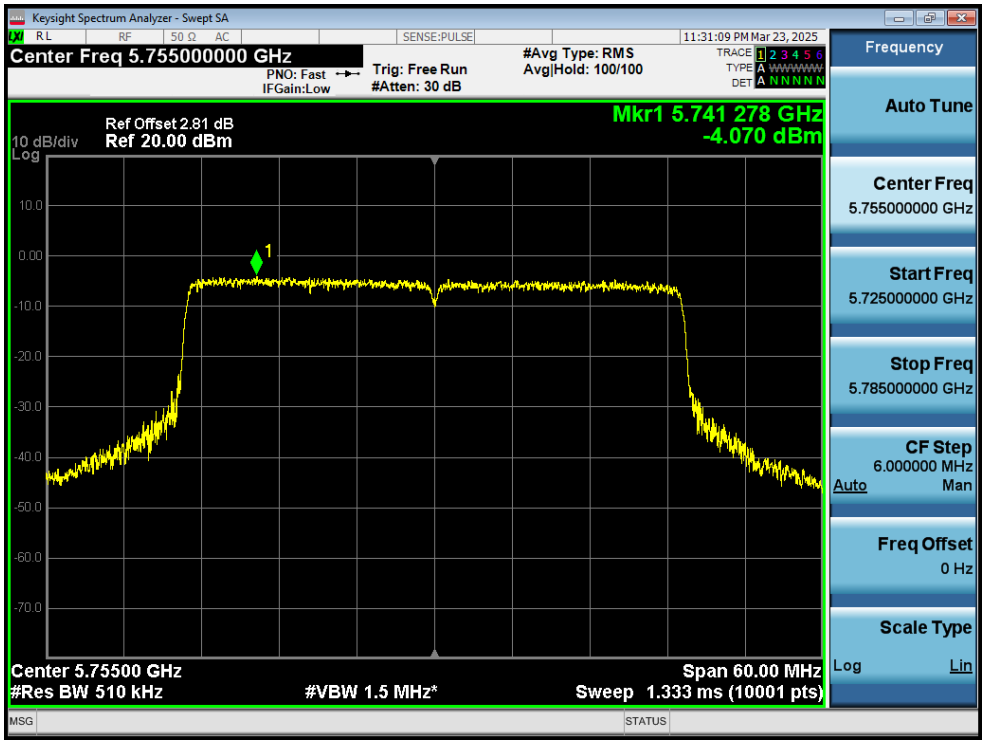
PSD NVNT ax20 5745MHz Ant1



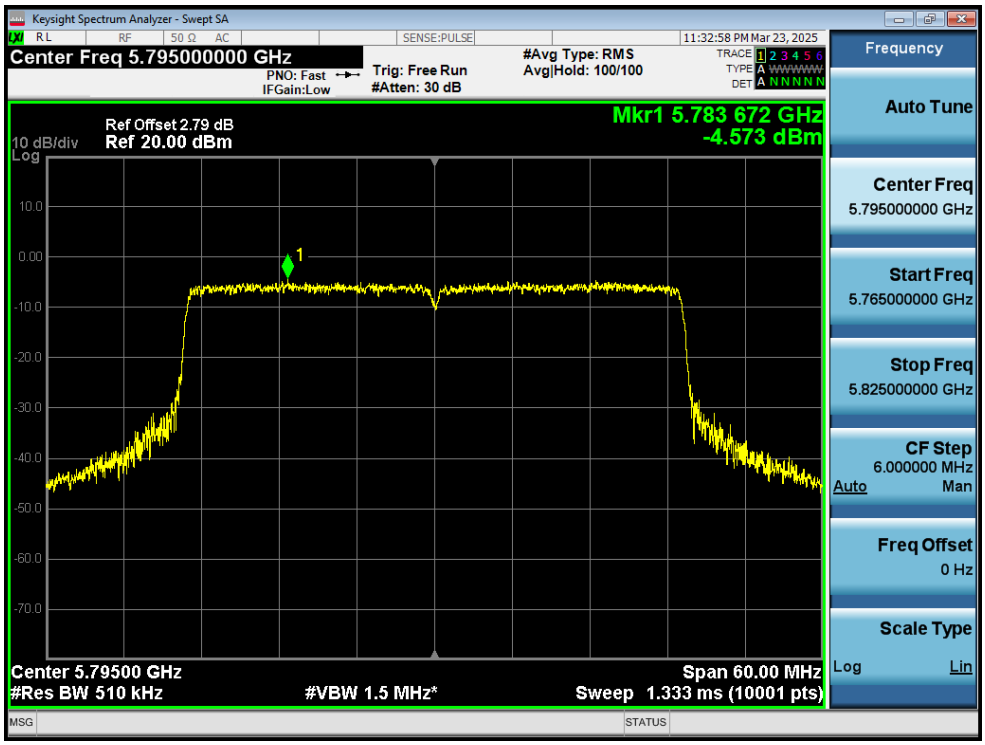
PSD NVNT ax20 5785MHz Ant1



PSD NVNT ax20 5825MHz Ant1



PSD NVNT ax40 5755MHz Ant1



PSD NVNT ax40 5795MHz Ant1

6. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-24	Pass
NVNT	a	5825	Ant1	-28.72	Pass
NVNT	n20	5745	Ant1	-16.67	Pass
NVNT	n20	5825	Ant1	-32.74	Pass
NVNT	n40	5755	Ant1	-19.92	Pass
NVNT	n40	5795	Ant1	-36.21	Pass
NVNT	ac20	5745	Ant1	-19.96	Pass
NVNT	ac20	5825	Ant1	-31.62	Pass
NVNT	ac40	5755	Ant1	-16.94	Pass
NVNT	ac40	5795	Ant1	-35.79	Pass
NVNT	ax20	5745	Ant1	-21.59	Pass
NVNT	ax20	5825	Ant1	-27.51	Pass
NVNT	ax40	5755	Ant1	-18.81	Pass
NVNT	ax40	5795	Ant1	-35.01	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 ax20 5745MHz Low Ant1

Band Edge NVNT ax20 5825MHz High Ant1

Band Edge NVNT ax40 5755MHz Low Ant1

Band Edge NVNT ax40 5795MHz High Ant1

7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-28.67	-27	Pass
NVNT	a	5785	Ant1	-28.86	-27	Pass
NVNT	a	5825	Ant1	-28.66	-27	Pass
NVNT	n20	5745	Ant1	-28.43	-27	Pass
NVNT	n20	5785	Ant1	-28.09	-27	Pass
NVNT	n20	5825	Ant1	-28.3	-27	Pass
NVNT	n40	5755	Ant1	-28.94	-27	Pass
NVNT	n40	5795	Ant1	-28.7	-27	Pass
NVNT	ac20	5745	Ant1	-28.52	-27	Pass
NVNT	ac20	5785	Ant1	-28.53	-27	Pass
NVNT	ac20	5825	Ant1	-28.98	-27	Pass
NVNT	ac40	5755	Ant1	-28.23	-27	Pass
NVNT	ac40	5795	Ant1	-29.26	-27	Pass
NVNT	ax20	5745	Ant1	-28.27	-27	Pass
NVNT	ax20	5785	Ant1	-28.83	-27	Pass
NVNT	ax20	5825	Ant1	-29.04	-27	Pass
NVNT	ax40	5755	Ant1	-28.68	-27	Pass
NVNT	ax40	5795	Ant1	-27.75	-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 ax20 5745MHz Ant1 Emission

Tx. Spurious NVNT ax20 5785MHz Ant1 Emission

Tx. Spurious NVNT ax20 5825MHz Ant1 Emission

Tx. Spurious NVNT ax40 5755MHz Ant1 Emission

Tx. Spurious NVNT ax40 5795MHz Ant1 Emission