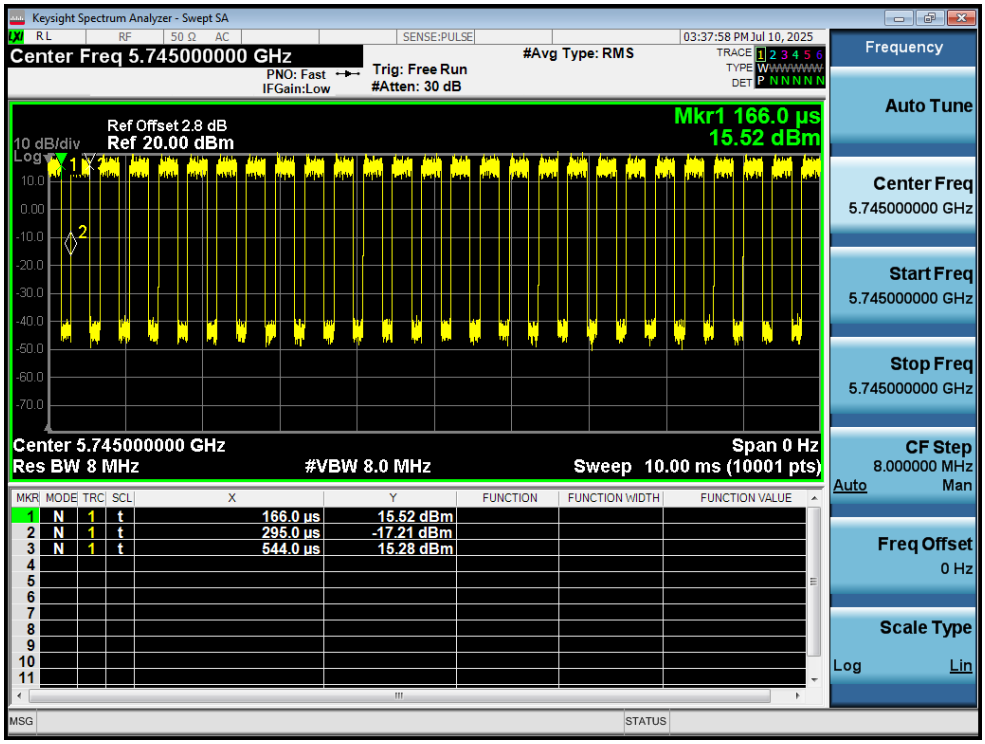
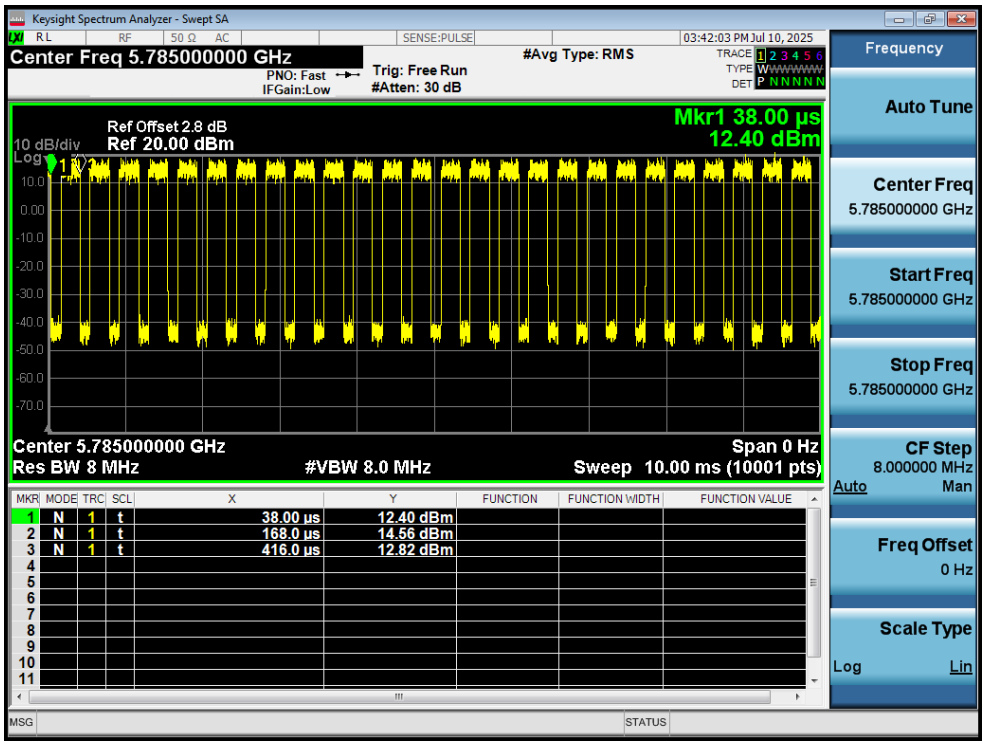
Test Data Appendix of Test Report

1. Duty Cycle

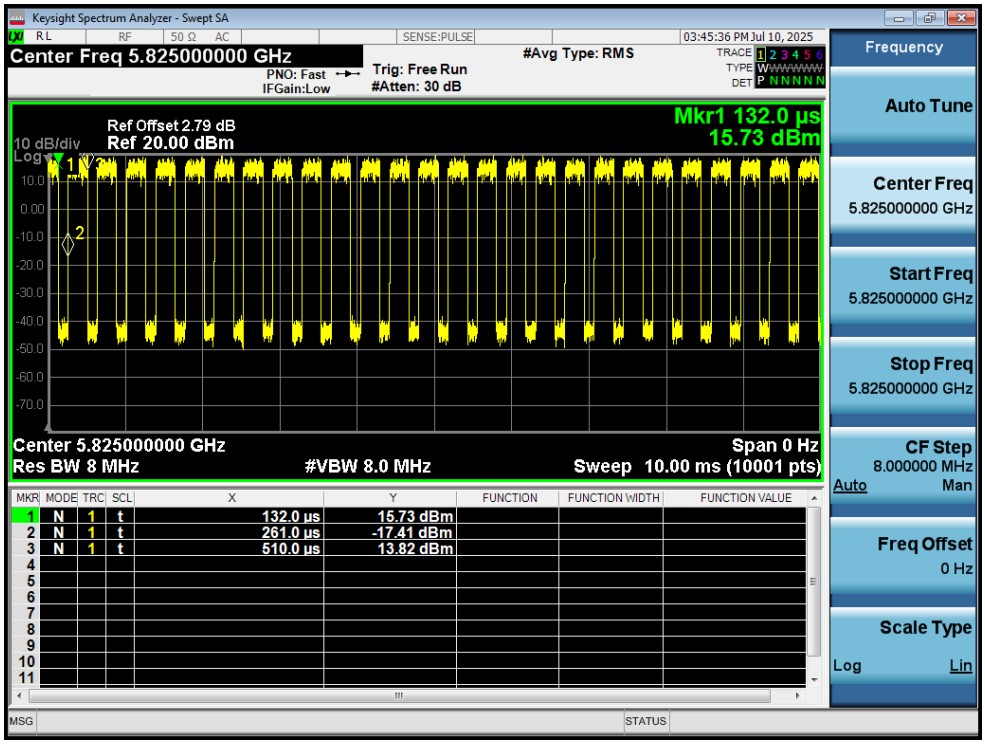
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	65.87	1.81	4.02
NVNT	a	5785	Ant1	65.61	1.83	4.03
NVNT	a	5825	Ant1	65.87	1.81	4.02
NVNT	n20	5745	Ant1	63.97	1.94	4.37
NVNT	n20	5785	Ant1	63.97	1.94	4.37
NVNT	n20	5825	Ant1	63.97	1.94	4.37
NVNT	n40	5755	Ant1	49.61	3.04	7.81
NVNT	n40	5795	Ant1	50.39	2.98	7.69



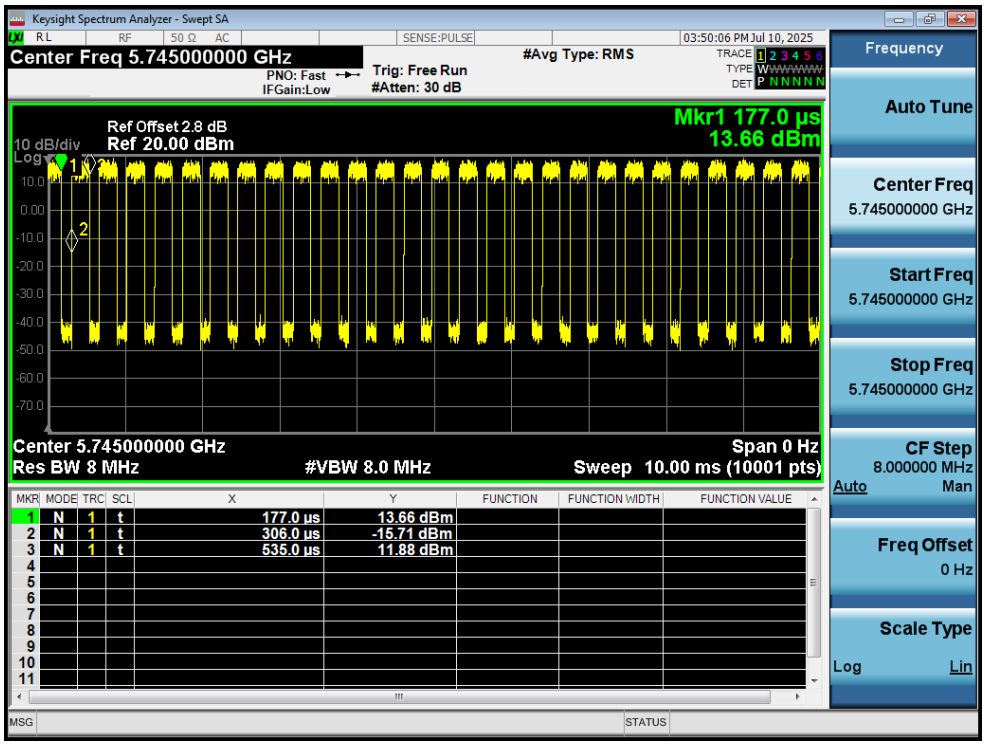
Duty Cycle NVNT a 5745MHz Ant1



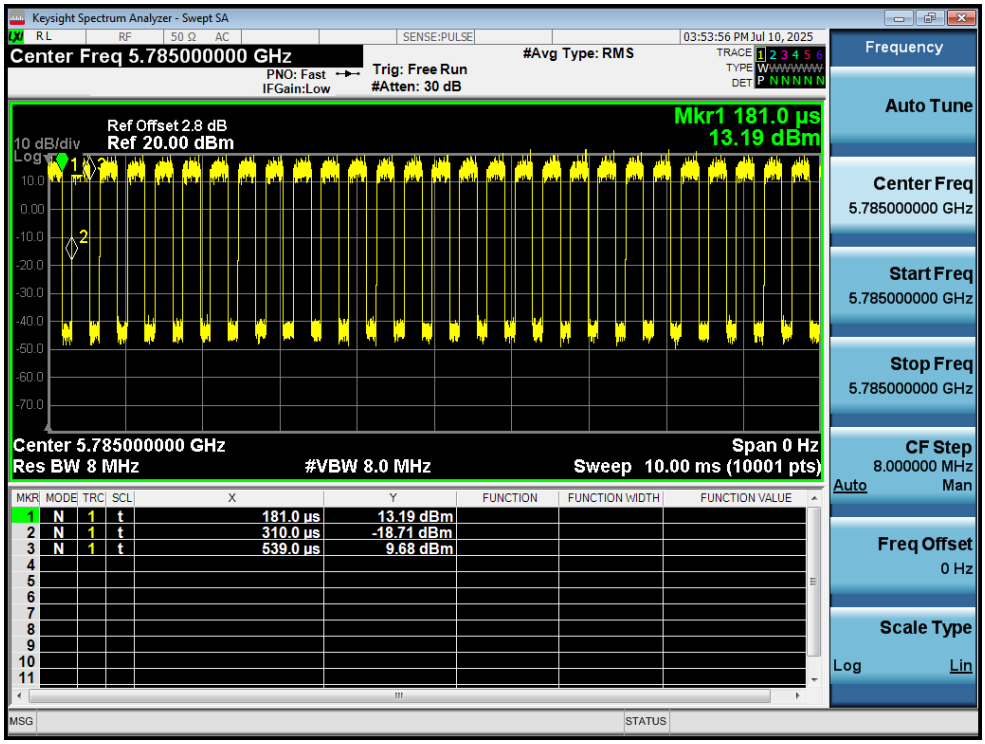
Duty Cycle NVNT a 5785MHz Ant1



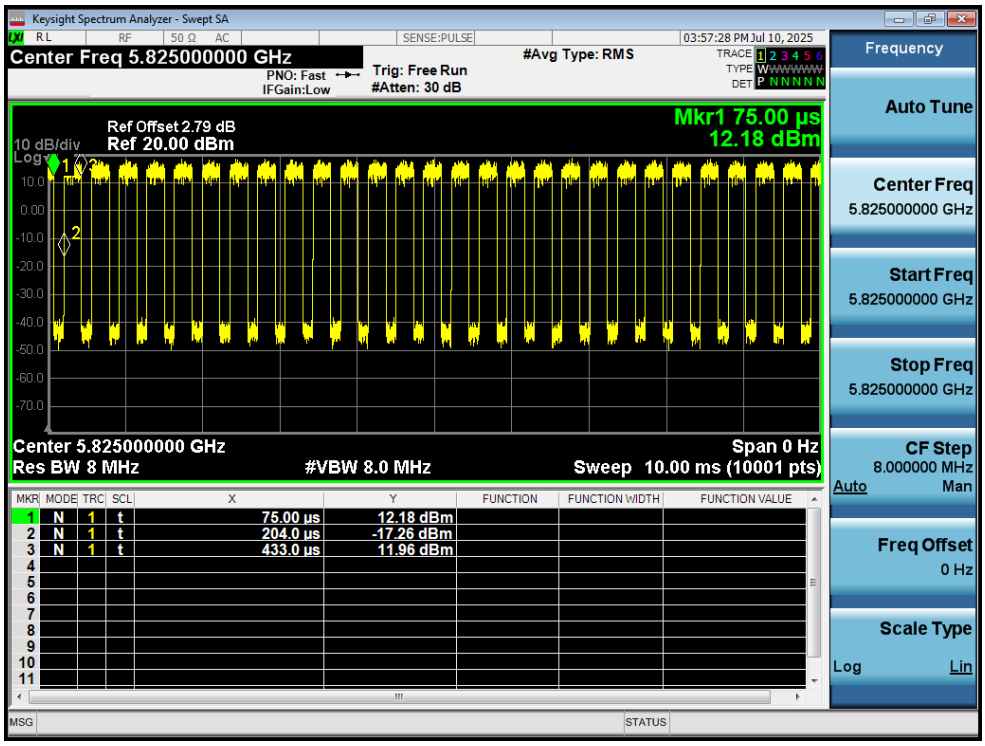
Duty Cycle NVNT a 5825MHz Ant1



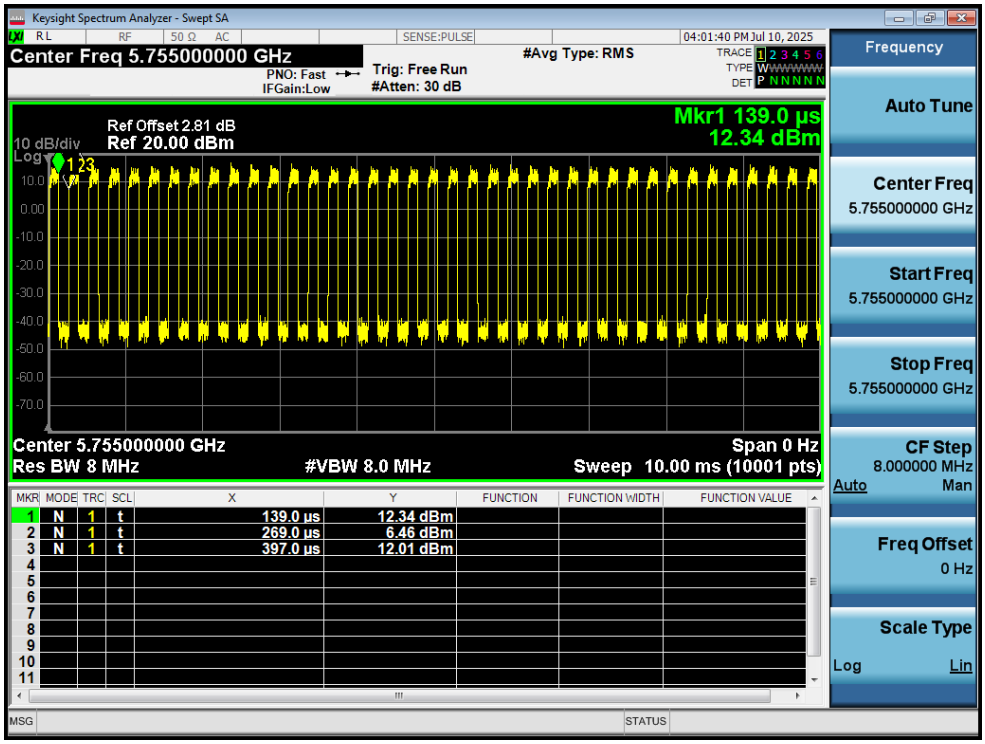
Duty Cycle NVNT n20 5745MHz Ant1



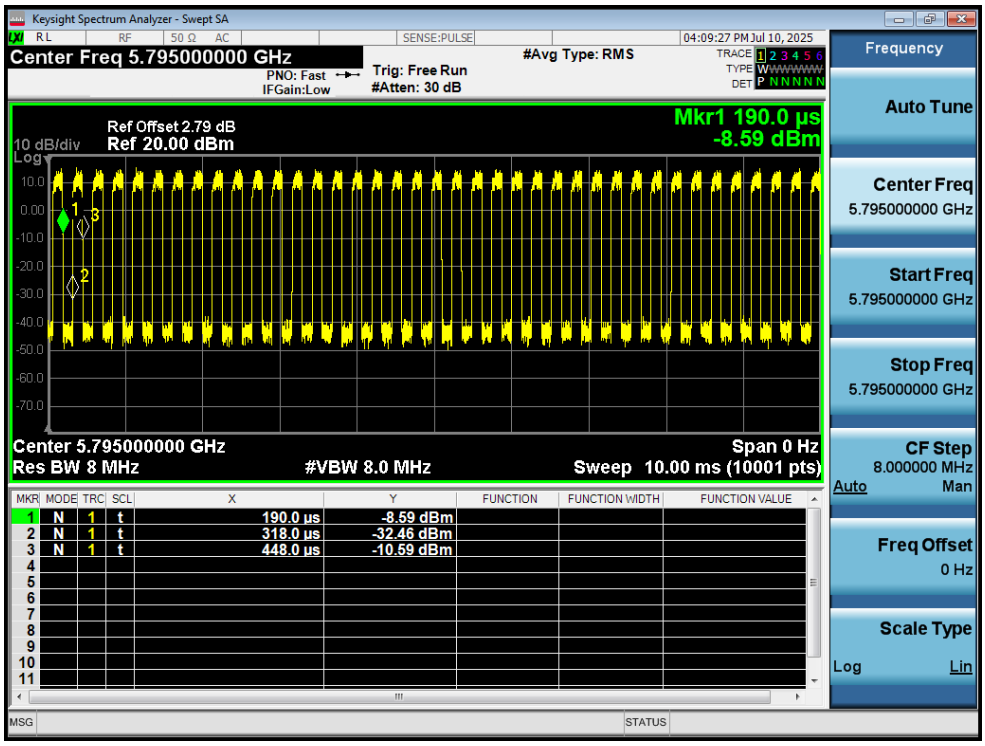
Duty Cycle NVNT n20 5785MHz Ant1



Duty Cycle NVNT n20 5825MHz Ant1



Duty Cycle NVNT n40 5755MHz Ant1



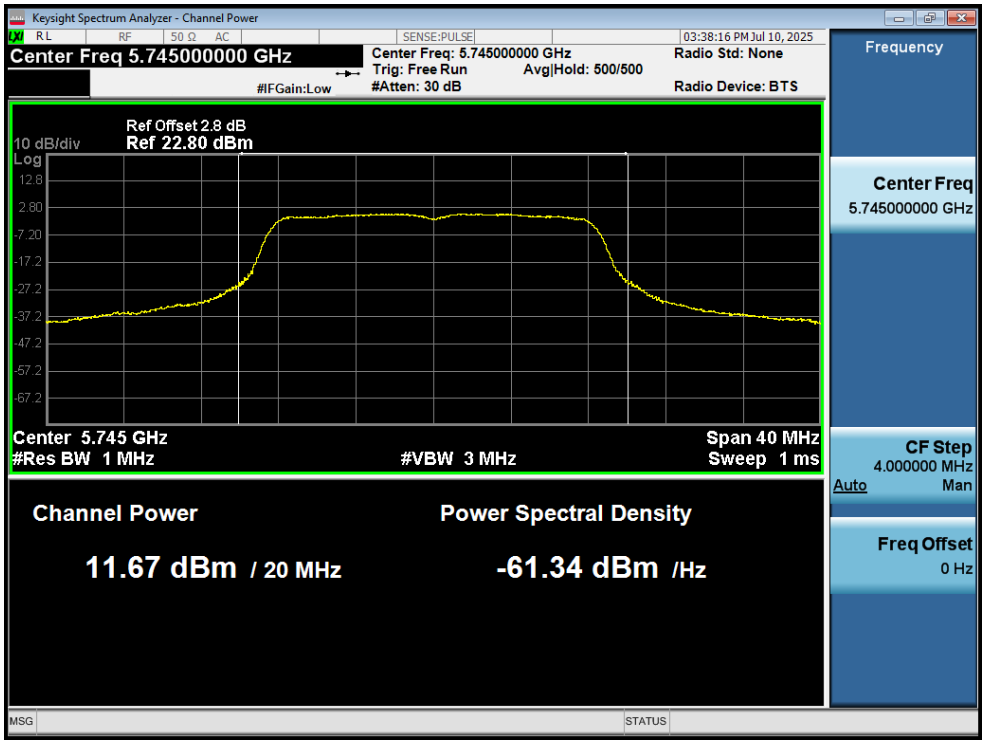
Duty Cycle NVNT n40 5795MHz Ant1

2. Maximum Conducted Output Power

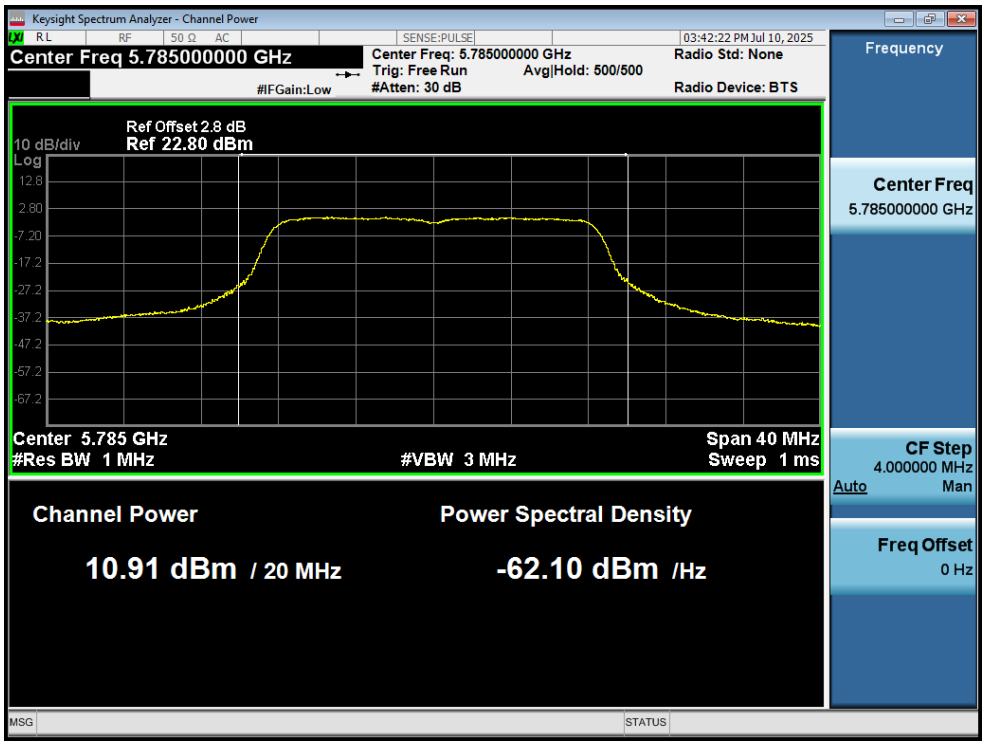
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	11.67	1.81	13.48	30	Pass
NVNT	a	5785	Ant1	10.91	1.83	12.74	30	Pass
NVNT	a	5825	Ant1	10.86	1.81	12.67	30	Pass
NVNT	n20	5745	Ant1	10.89	1.94	12.83	30	Pass
NVNT	n20	5785	Ant1	10.68	1.94	12.62	30	Pass
NVNT	n20	5825	Ant1	10.68	1.94	12.62	30	Pass
NVNT	n40	5755	Ant1	10.4	3.04	13.44	30	Pass
NVNT	n40	5795	Ant1	9.73	2.98	12.71	30	Pass

Note1: Total power=Conducted power + Duty factor

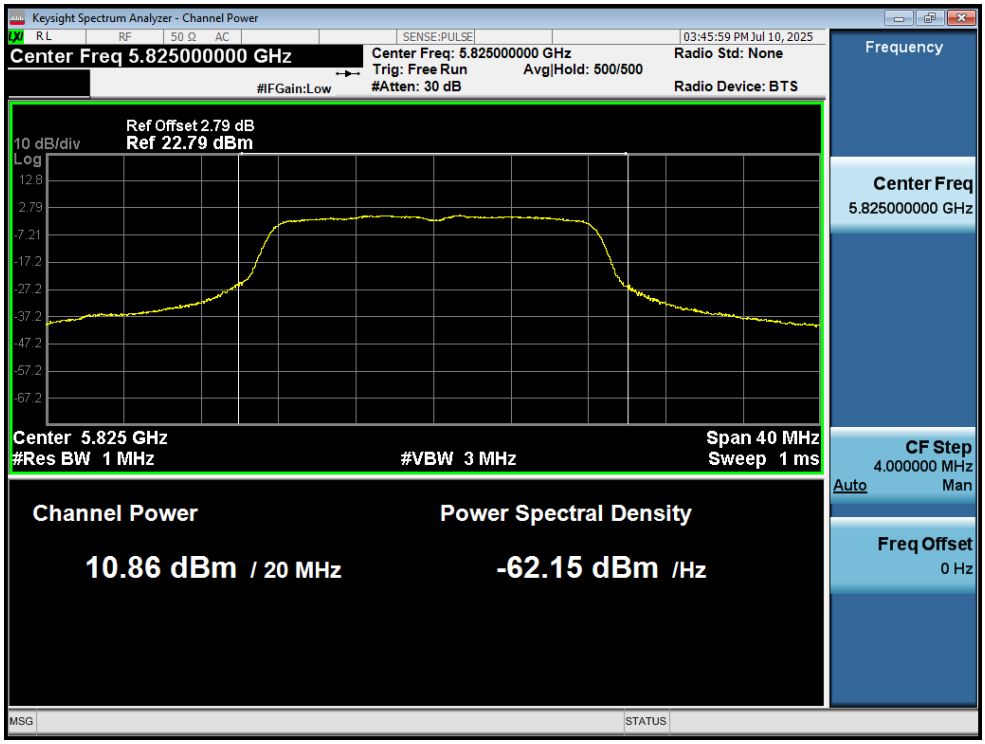
Note 2: Antenna Gain: 2.14dBi



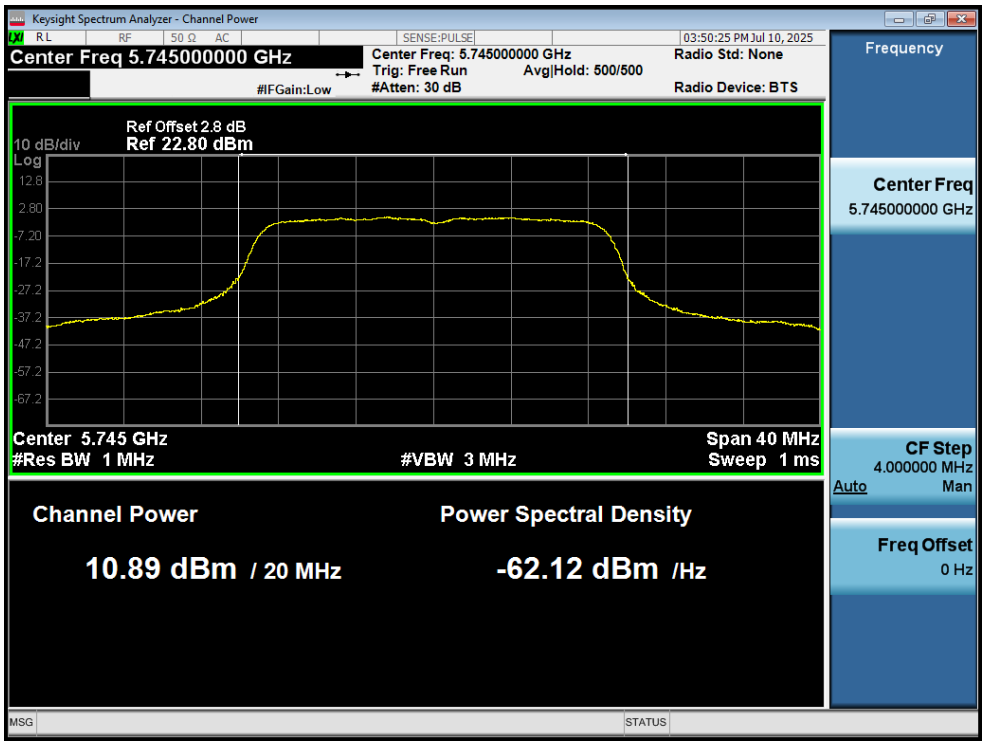
Power NVNT a 5745MHz Ant1



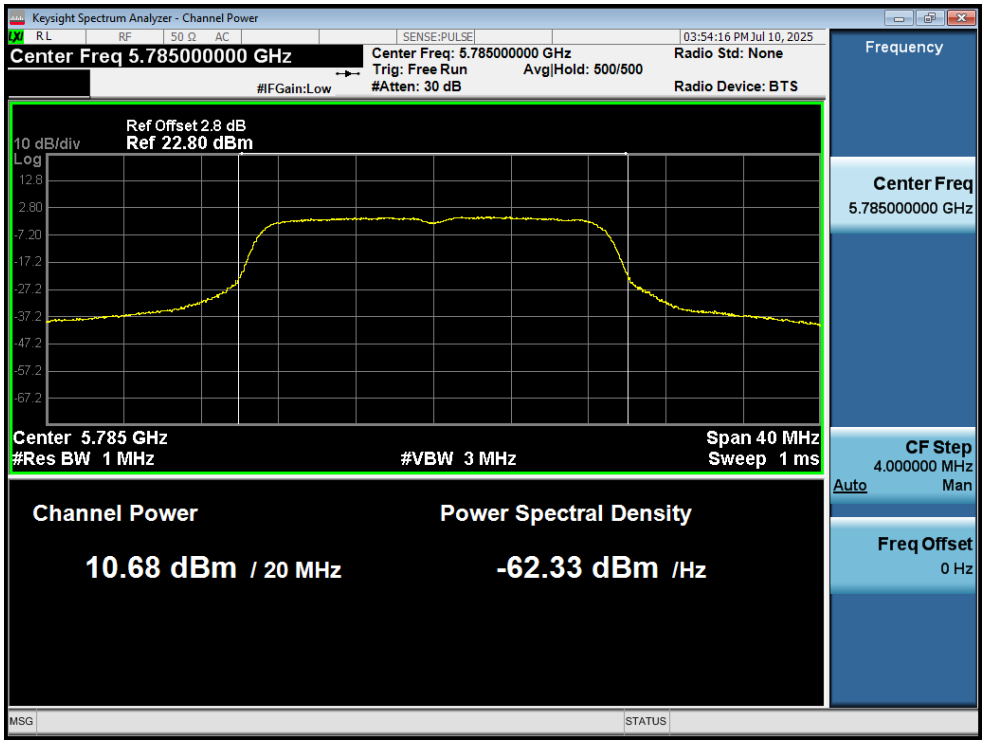
Power NVNT a 5785MHz Ant1



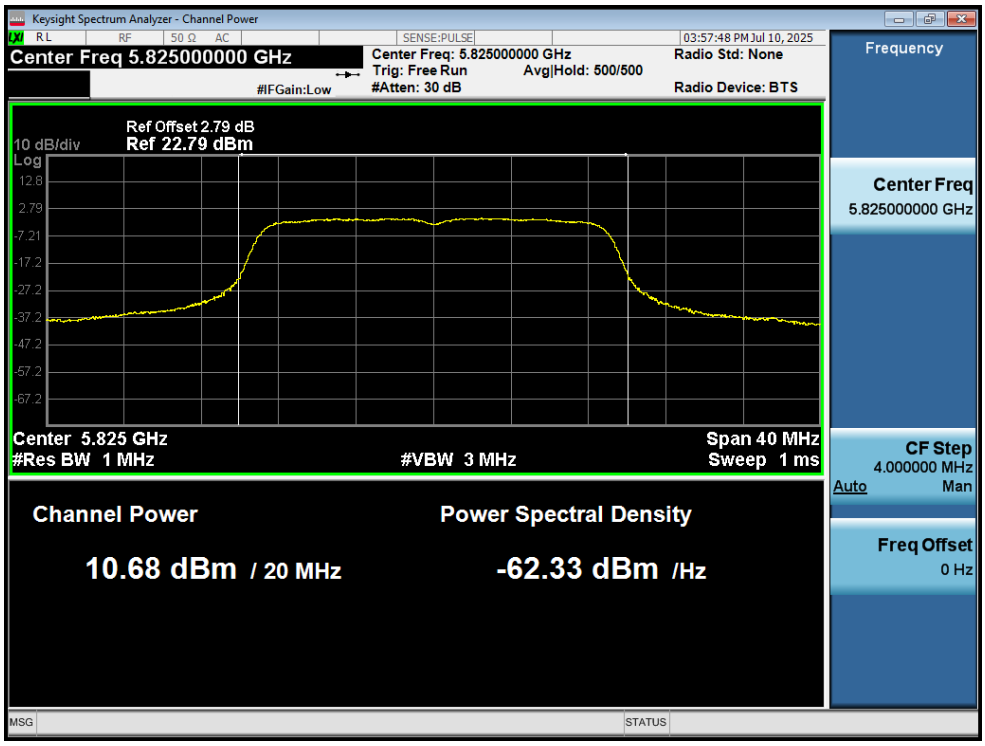
Power NVNT a 5825MHz Ant1



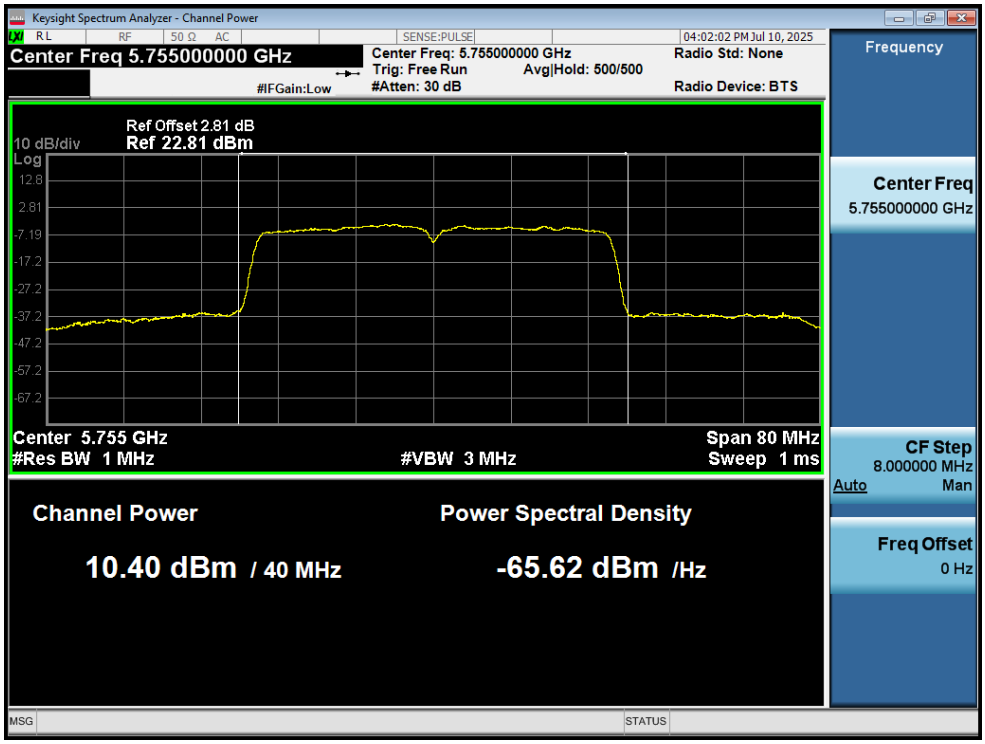
Power NVNT n20 5745MHz Ant1



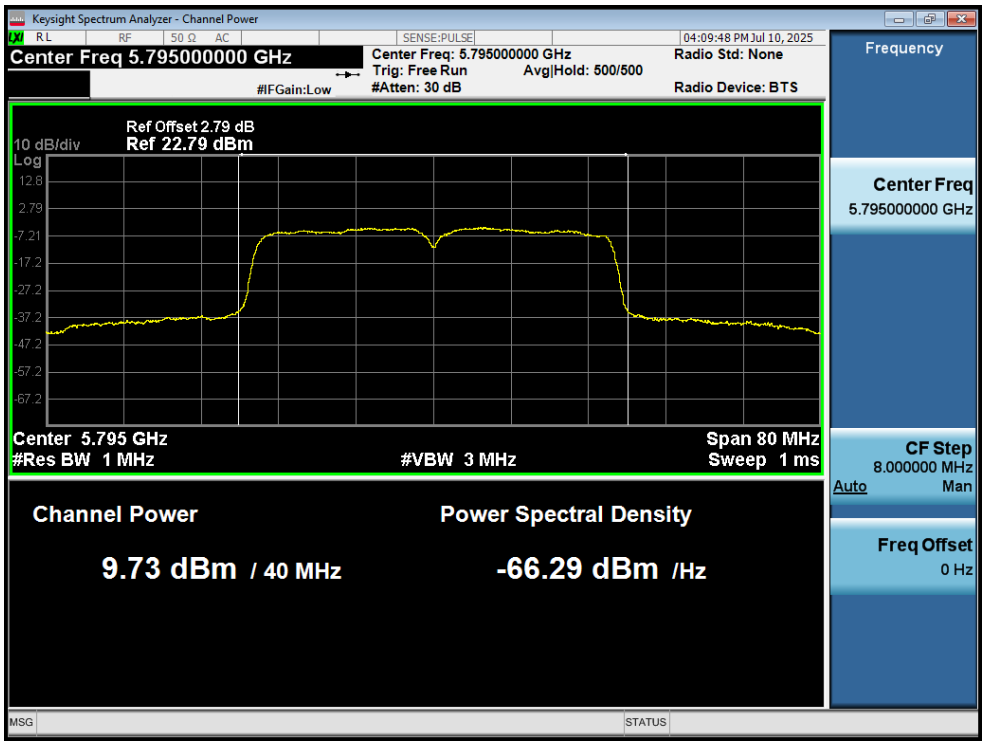
Power NVNT n20 5785MHz Ant1



Power NVNT n20 5825MHz Ant1



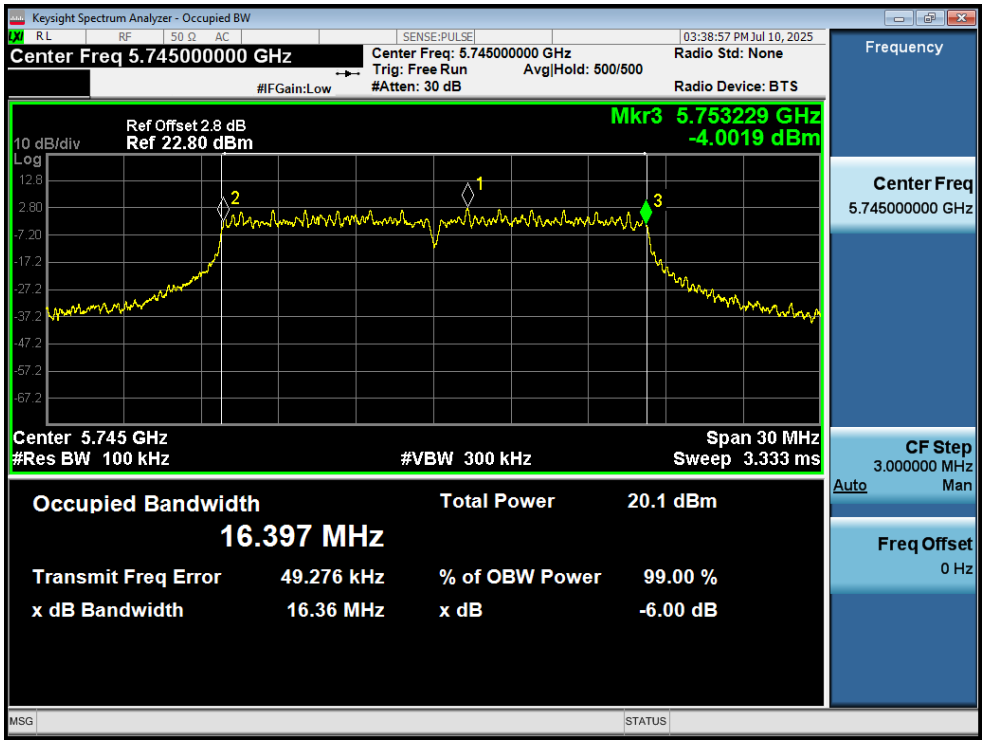
Power NVNT n40 5755MHz Ant1



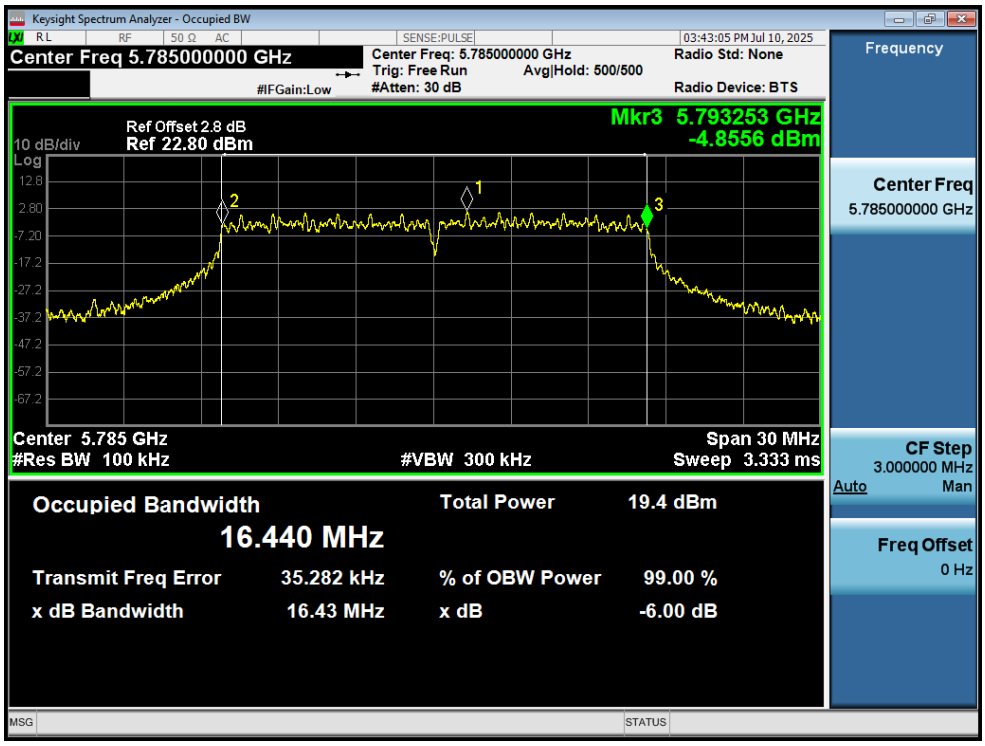
Power NVNT n40 5795MHz Ant1

3. -6dB Bandwidth

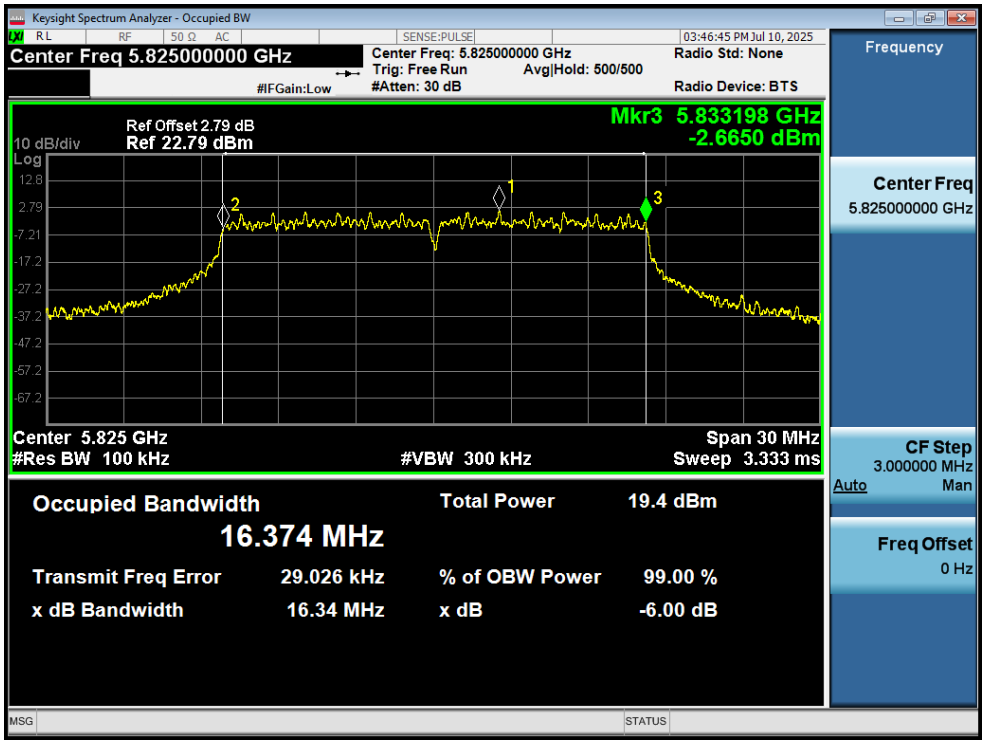
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.36	0.5	Pass
NVNT	a	5785	Ant1	16.435	0.5	Pass
NVNT	a	5825	Ant1	16.337	0.5	Pass
NVNT	n20	5745	Ant1	17.581	0.5	Pass
NVNT	n20	5785	Ant1	17.323	0.5	Pass
NVNT	n20	5825	Ant1	17.297	0.5	Pass
NVNT	n40	5755	Ant1	35.148	0.5	Pass
NVNT	n40	5795	Ant1	35.405	0.5	Pass



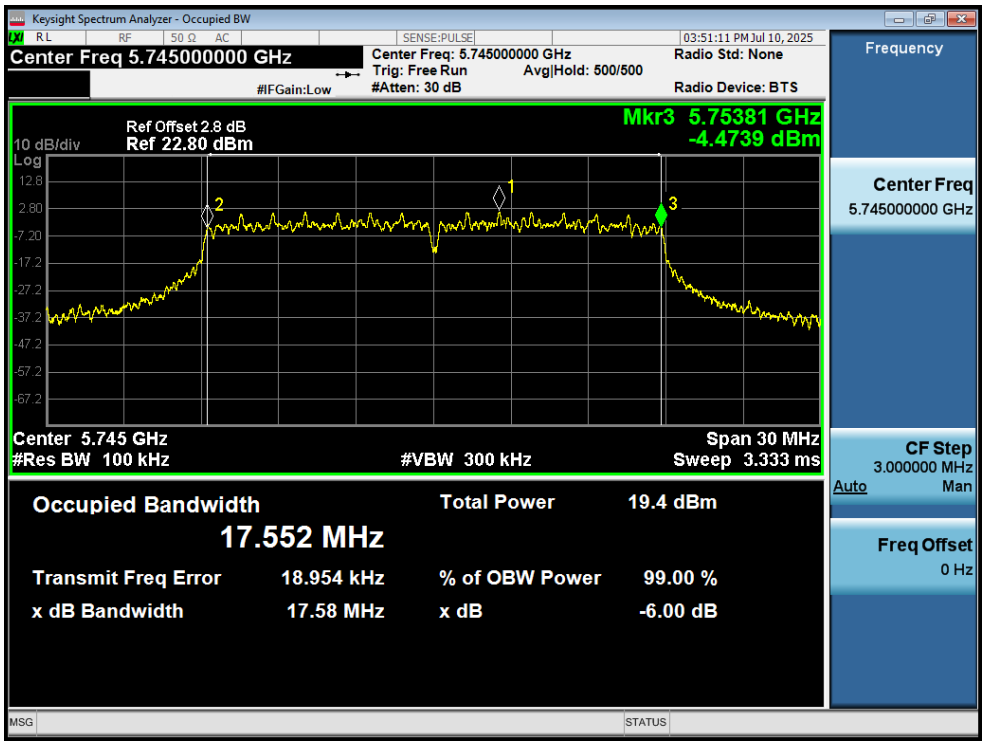
-6dB Bandwidth NVNT a 5745MHz Ant1



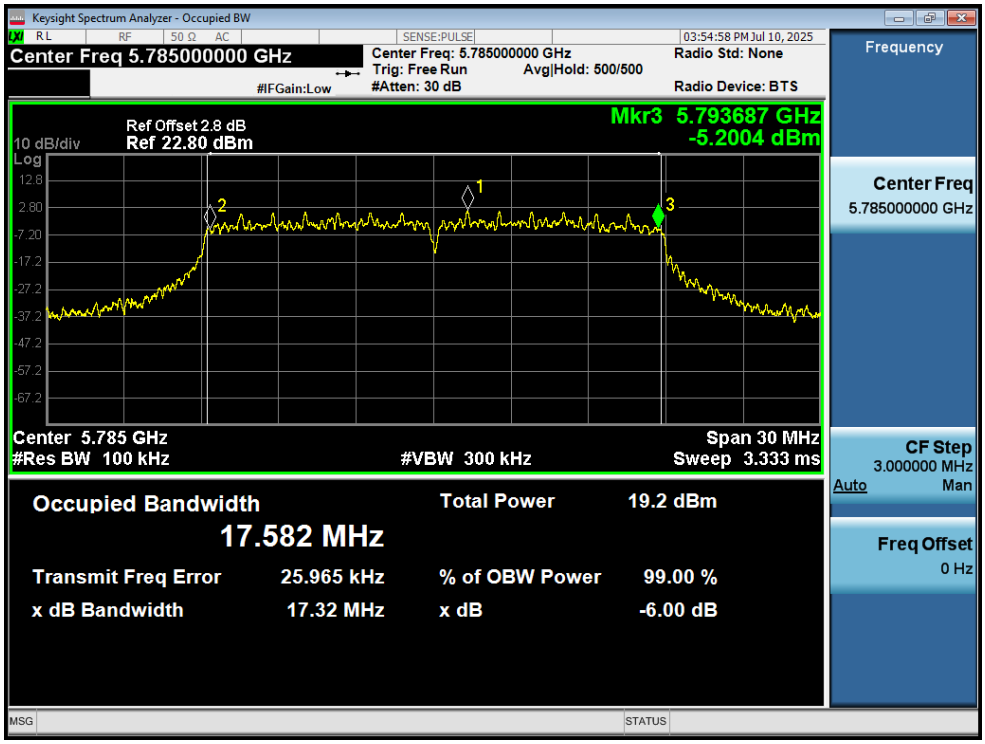
-6dB Bandwidth NVNT a 5785MHz Ant1



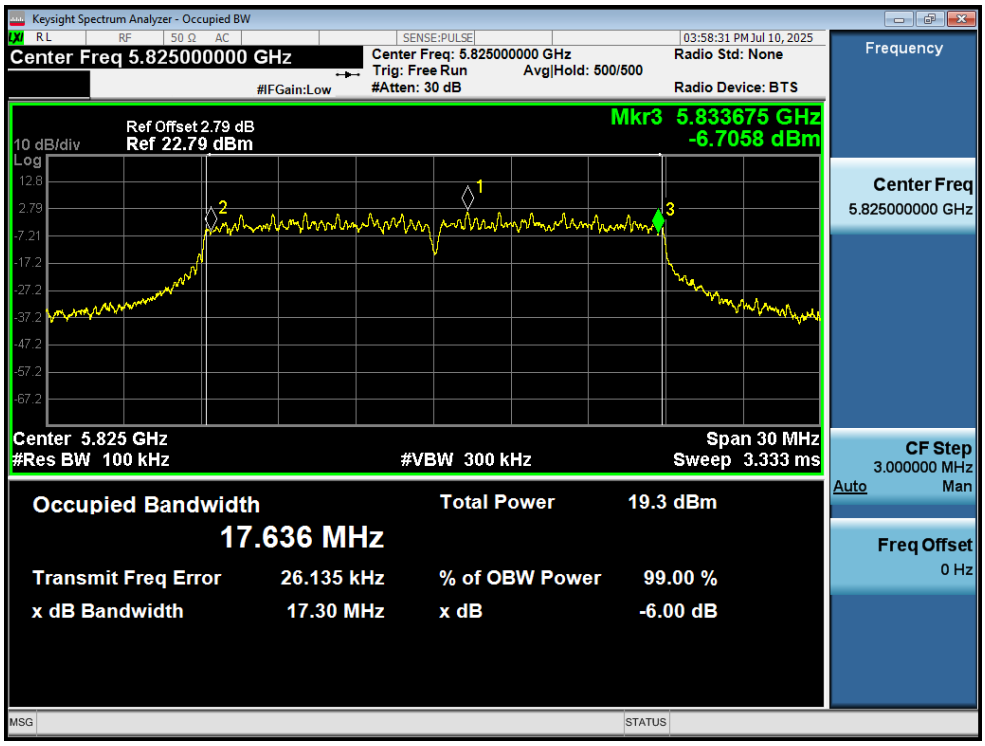
-6dB Bandwidth NVNT a 5825MHz Ant1



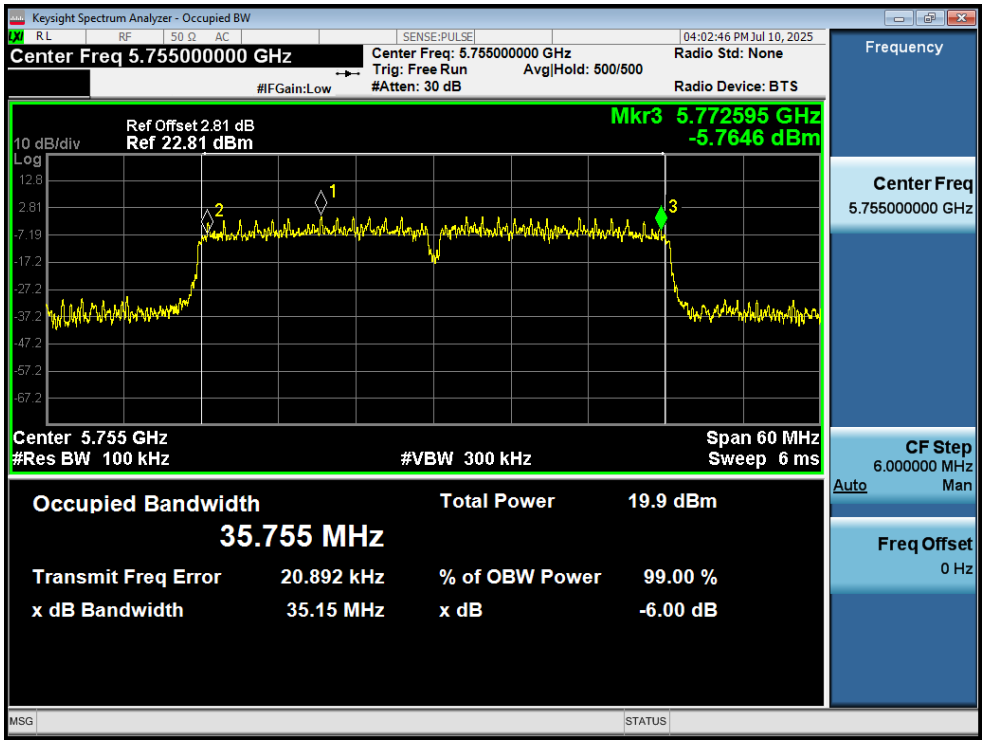
-6dB Bandwidth NVNT n20 5745MHz Ant1



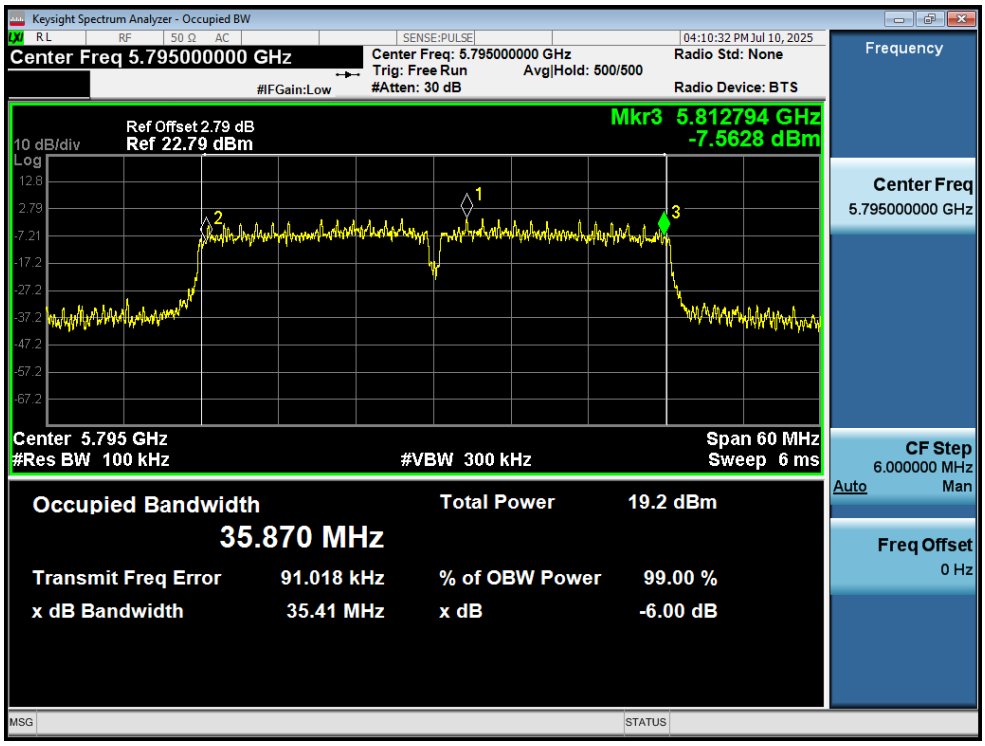
-6dB Bandwidth NVNT n20 5785MHz Ant1



-6dB Bandwidth NVNT n20 5825MHz Ant1



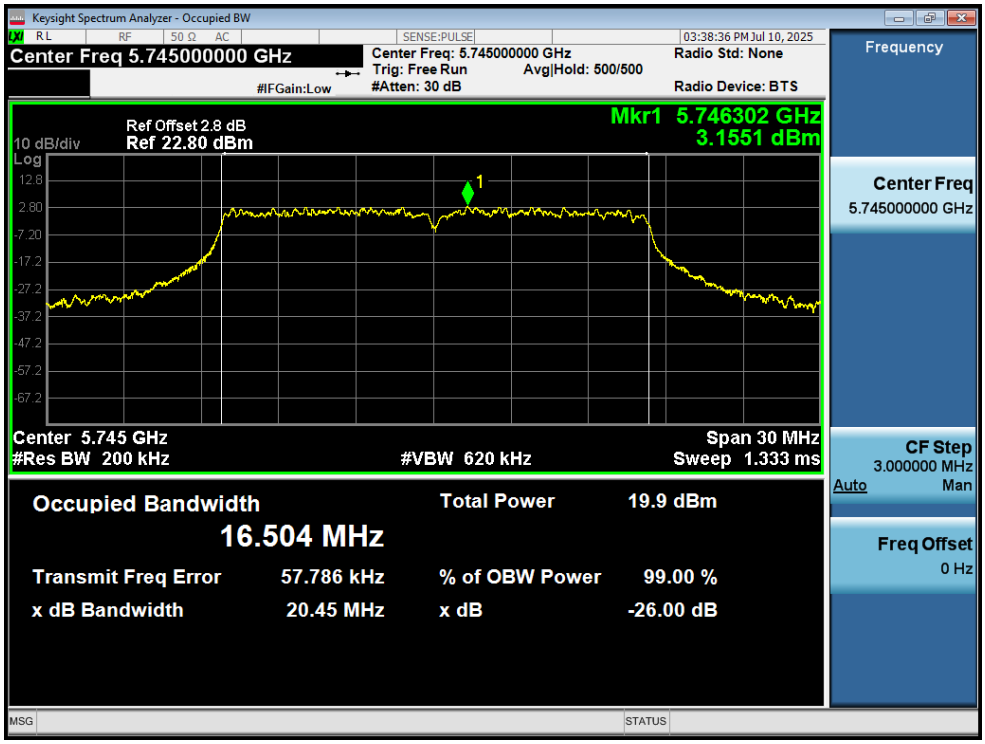
-6dB Bandwidth NVNT n40 5755MHz Ant1



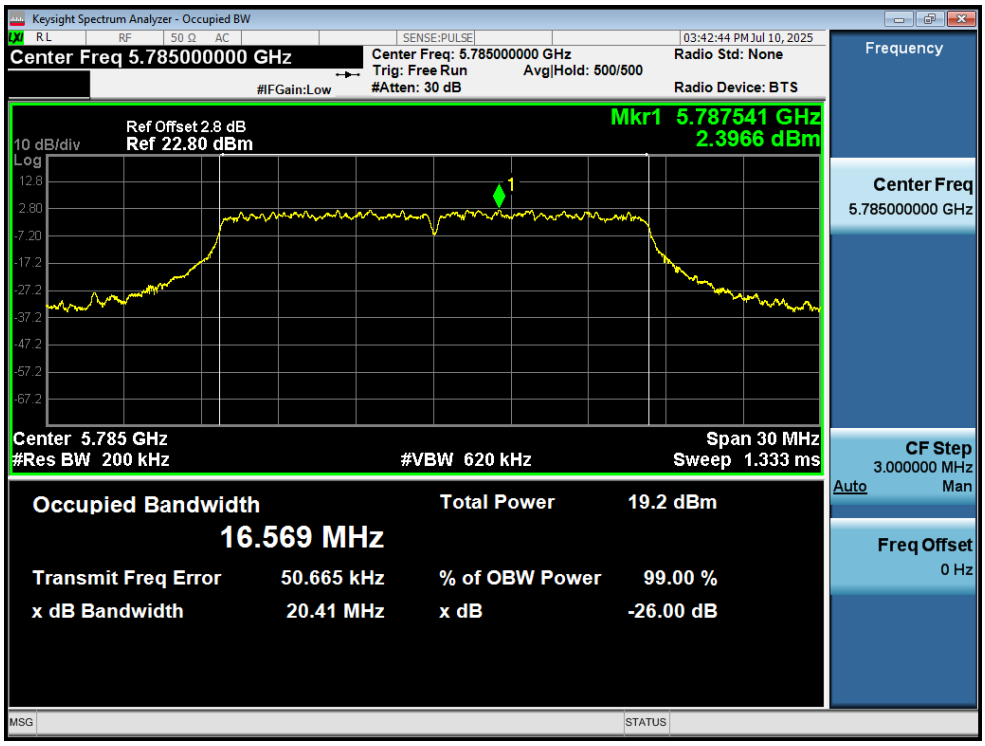
-6dB Bandwidth NVNT n40 5795MHz Ant1

4. Occupied Channel Bandwidth

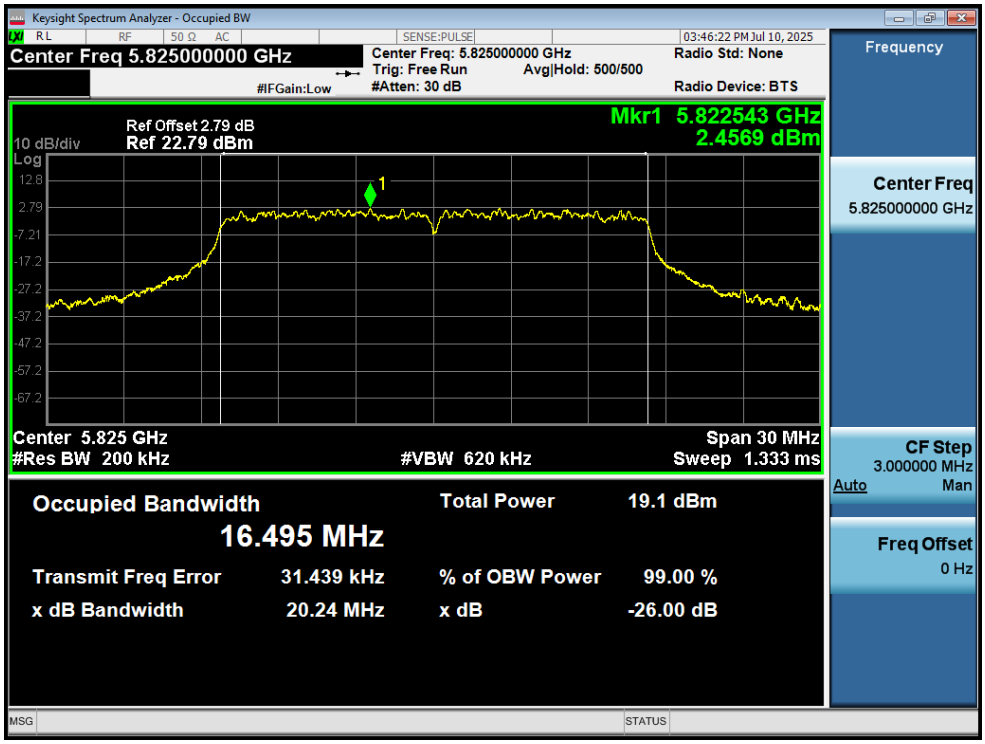
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.504
NVNT	a	5785	Ant1	16.569
NVNT	a	5825	Ant1	16.495
NVNT	n20	5745	Ant1	17.594
NVNT	n20	5785	Ant1	17.692
NVNT	n20	5825	Ant1	17.68
NVNT	n40	5755	Ant1	35.894
NVNT	n40	5795	Ant1	36.009



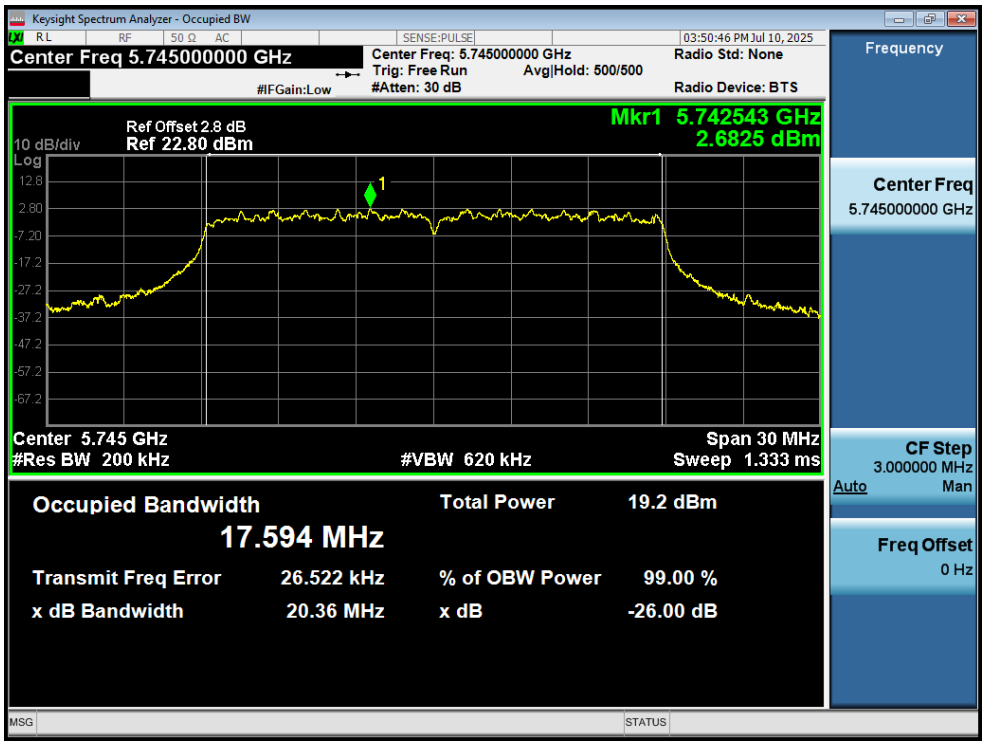
OBW NVNT a 5745MHz Ant1



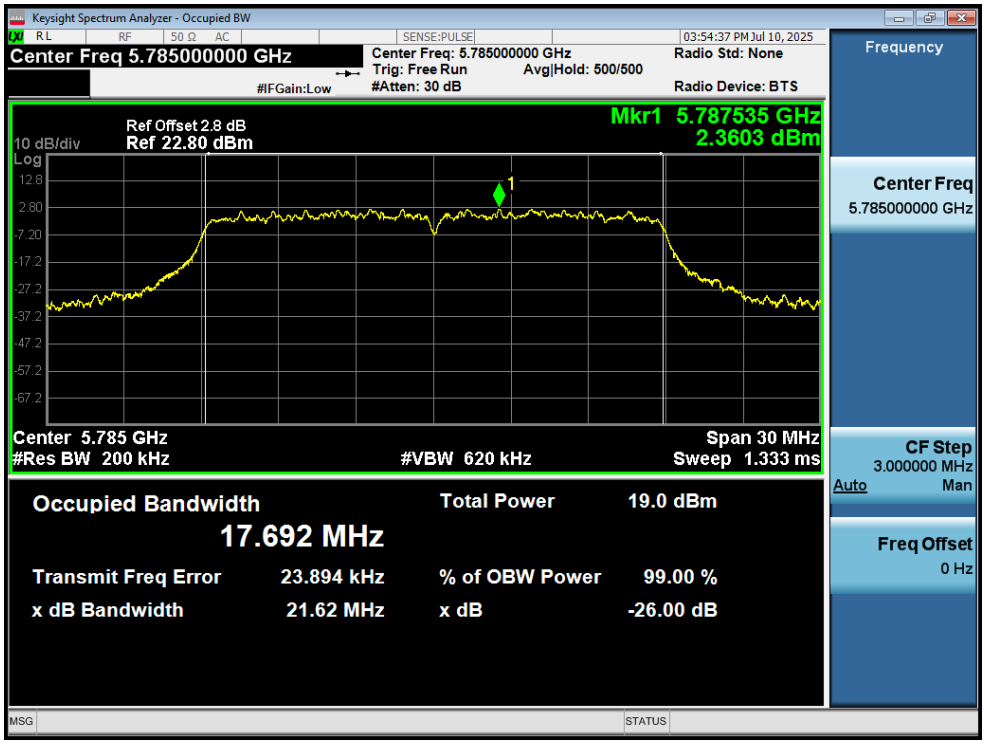
OBW NVNT a 5785MHz Ant1



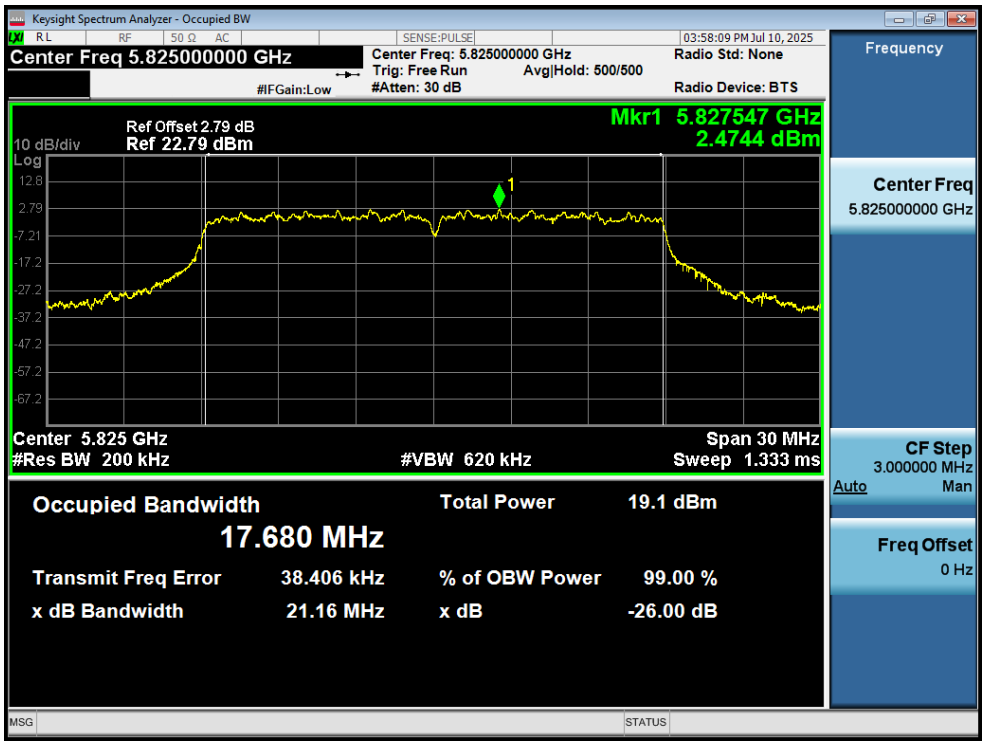
OBW NVNT a 5825MHz Ant1



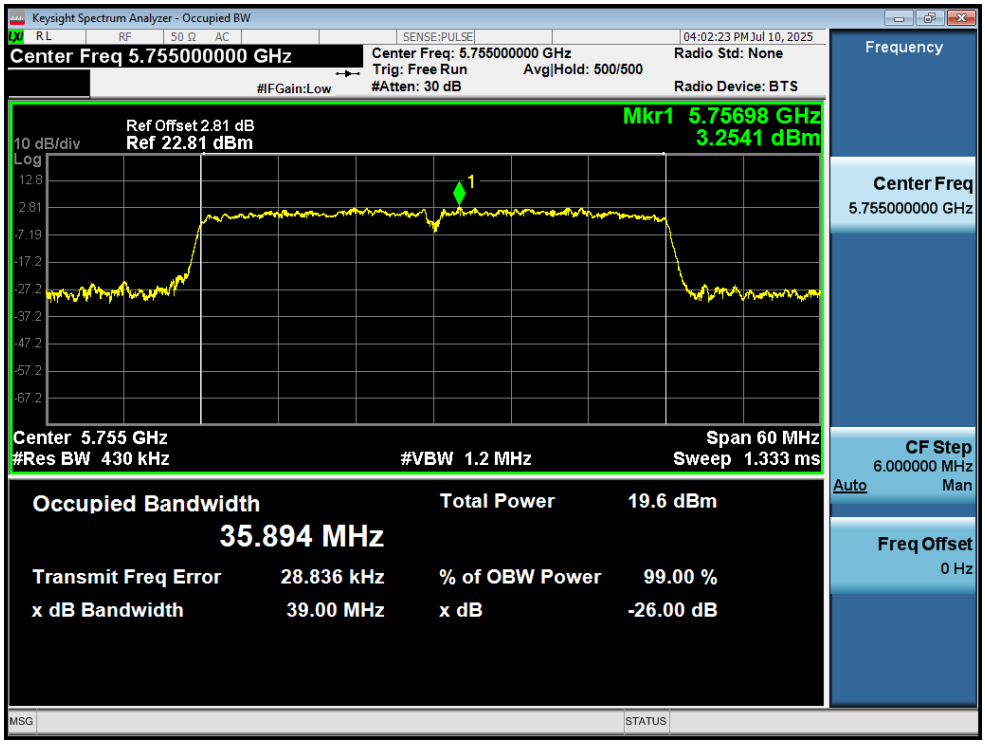
OBW NVNT n20 5745MHz Ant1



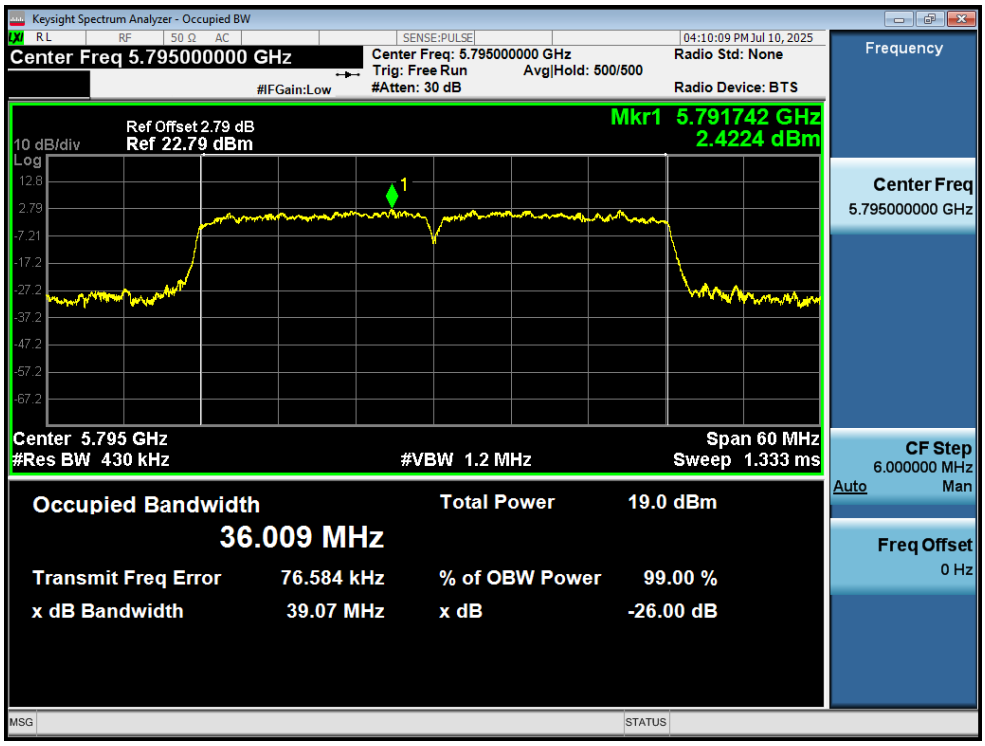
OBW NVNT n20 5785MHz Ant1



OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



OBW NVNT n40 5795MHz Ant1

5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	10log (510/500)	Total PSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
NVNT	a	5745	Ant1	-2.03	1.81	0.086	-0.134	30	Pass
NVNT	a	5785	Ant1	-2.88	1.83	0.086	-0.964	30	Pass
NVNT	a	5825	Ant1	-2.55	1.81	0.086	-0.654	30	Pass
NVNT	n20	5745	Ant1	-2.46	1.94	0.086	-0.434	30	Pass
NVNT	n20	5785	Ant1	-3.03	1.94	0.086	-1.004	30	Pass
NVNT	n20	5825	Ant1	-3.26	1.94	0.086	-1.234	30	Pass
NVNT	n40	5755	Ant1	-5.95	3.04	0.086	-2.824	30	Pass
NVNT	n40	5795	Ant1	-6.37	2.98	0.086	-3.304	30	Pass

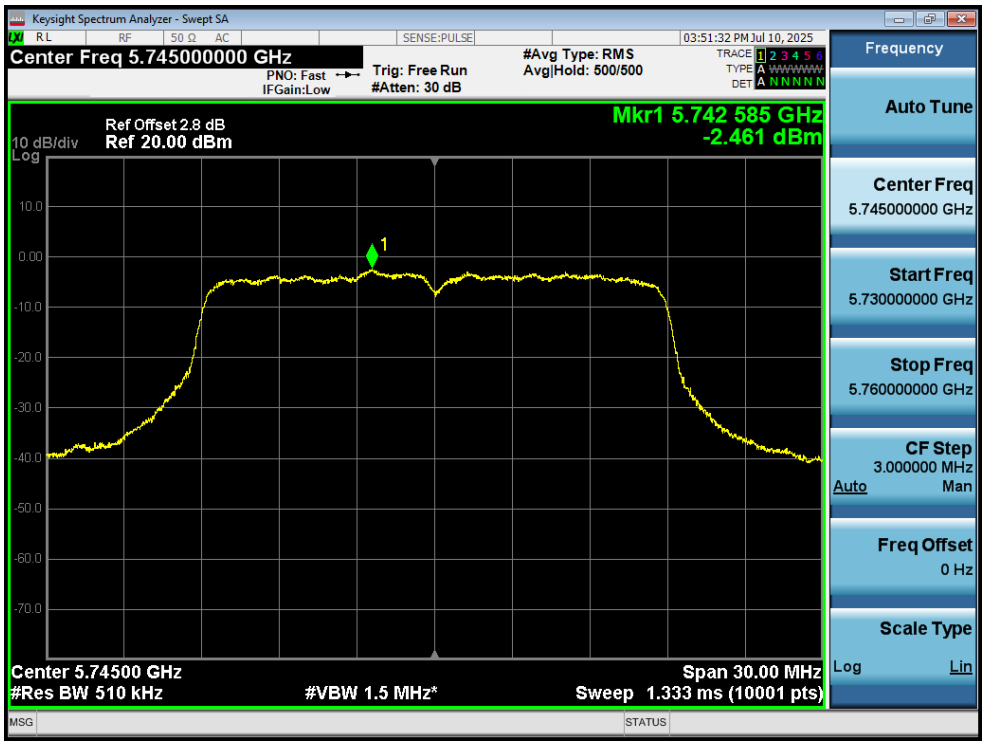
Note 1: Total PSD=Conducted PSD + Duty factor+(10log(Test RBW / Limit RBW)

Note 2: Antenna Gain: 2.14dBi

PSD NVNT a 5745MHz Ant1

PSD NVNT a 5785MHz Ant1

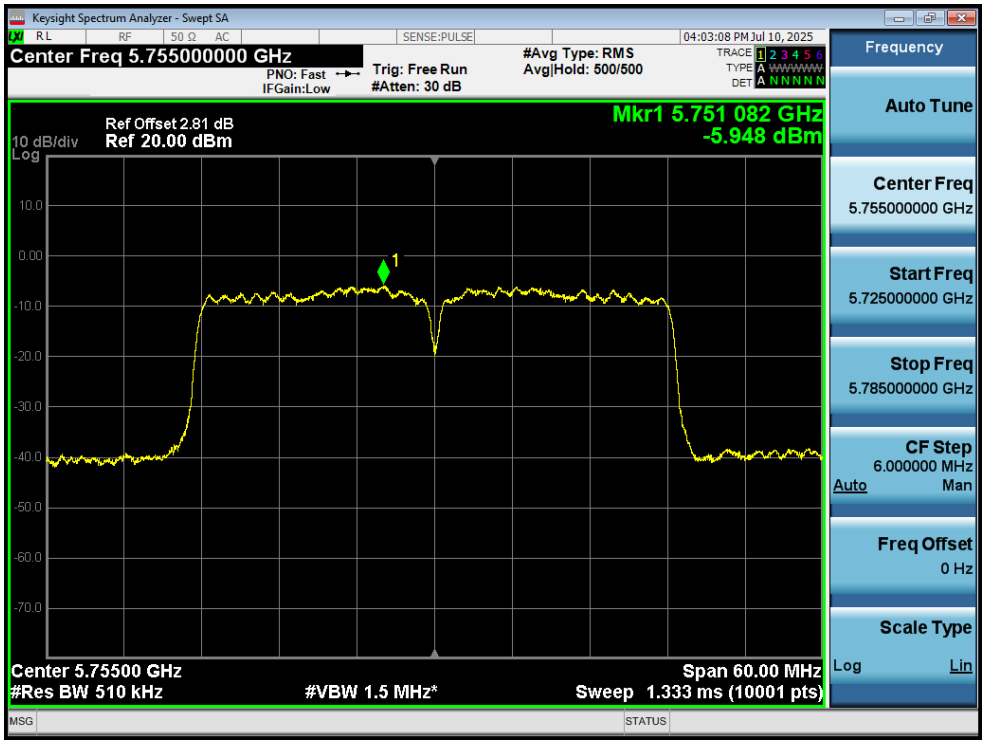
PSD NVNT a 5825MHz Ant1



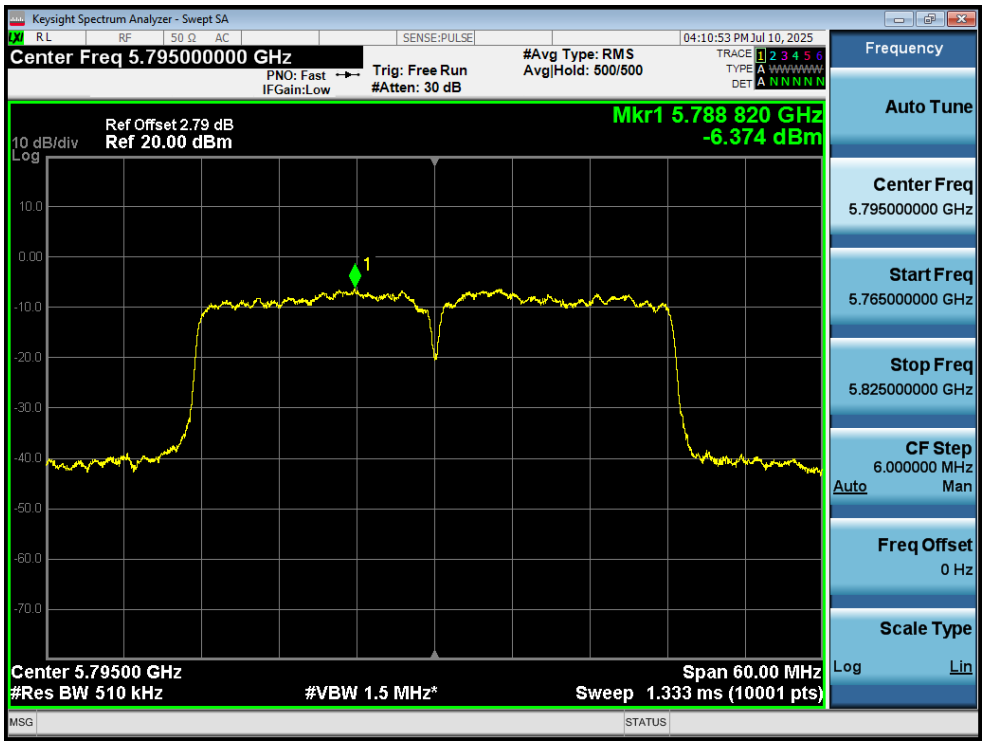
PSD NVNT n20 5745MHz Ant1

PSD NVNT n20 5785MHz Ant1

PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1

6. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-25.55	Pass
NVNT	a	5825	Ant1	-30.17	Pass
NVNT	n20	5745	Ant1	-25.87	Pass
NVNT	n20	5825	Ant1	-28.15	Pass
NVNT	n40	5755	Ant1	-21.64	Pass
NVNT	n40	5795	Ant1	-33.14	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

7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-34.55	-27	Pass
NVNT	a	5785	Ant1	-34.02	-27	Pass
NVNT	a	5825	Ant1	-33.9	-27	Pass
NVNT	n20	5745	Ant1	-33.25	-27	Pass
NVNT	n20	5785	Ant1	-34.73	-27	Pass
NVNT	n20	5825	Ant1	-34.07	-27	Pass
NVNT	n40	5755	Ant1	-33.94	-27	Pass
NVNT	n40	5795	Ant1	-34.06	-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 6 dB with respect to the limits.

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