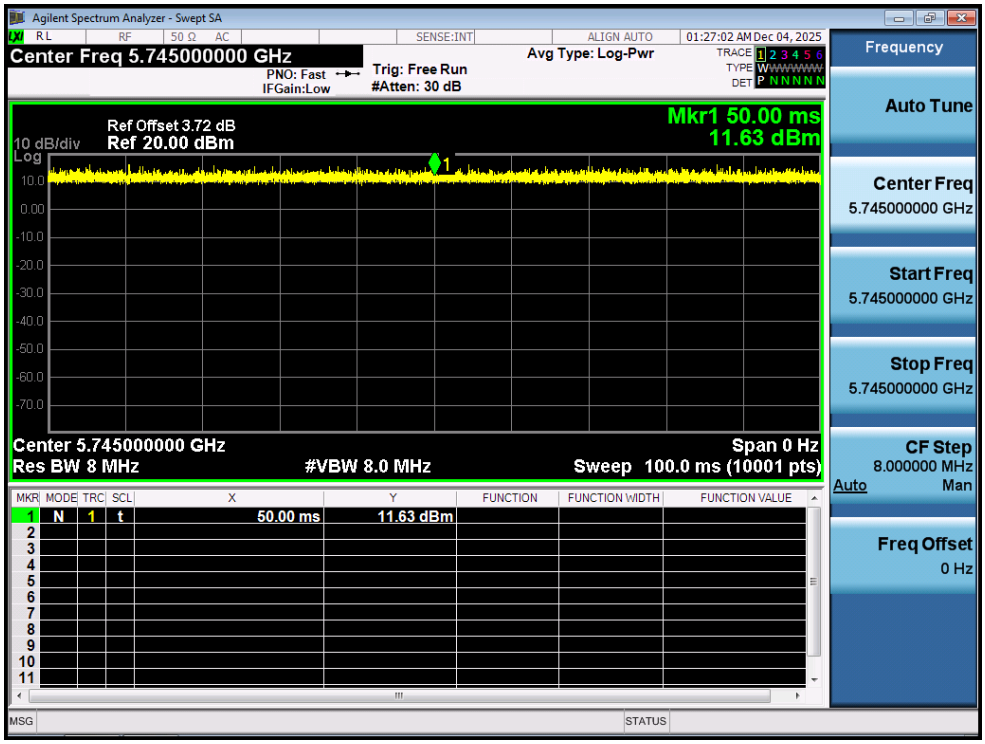
Duty Cycle

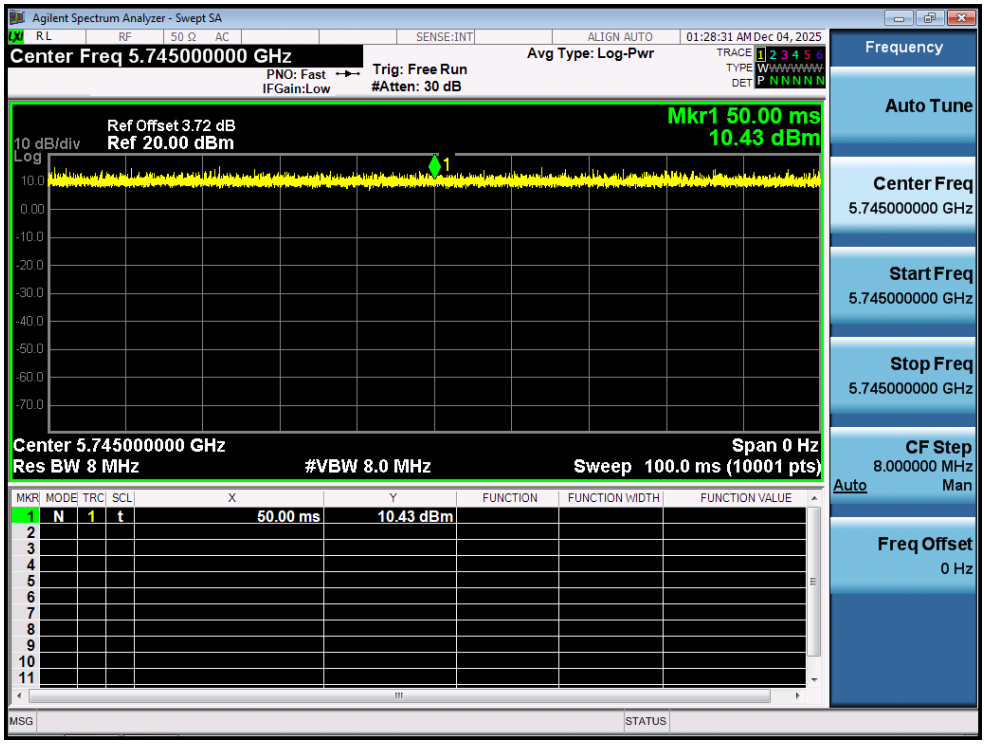
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant A	100	0
NVNT	n20	5745	Ant A	100	0
NVNT	n40	5755	Ant A	100	0
NVNT	ac20	5745	Ant A	100	0
NVNT	ac40	5755	Ant A	100	0
NVNT	ac80	5775	Ant A	100	0

Test Graphs

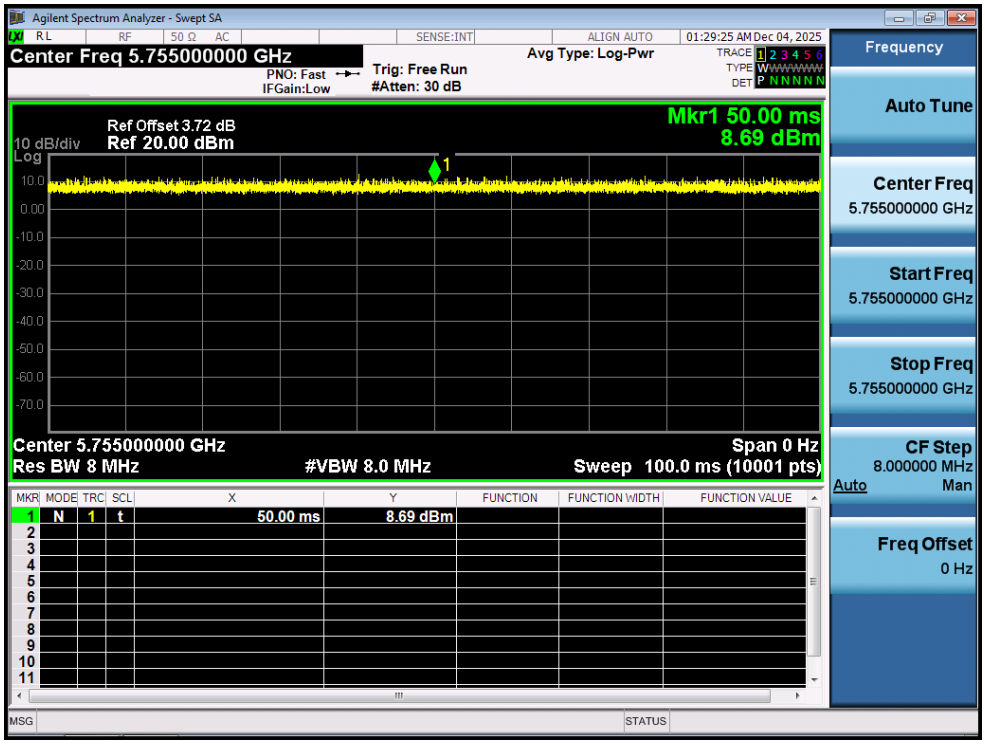
Duty Cycle NVNT a 5745MHz Ant A



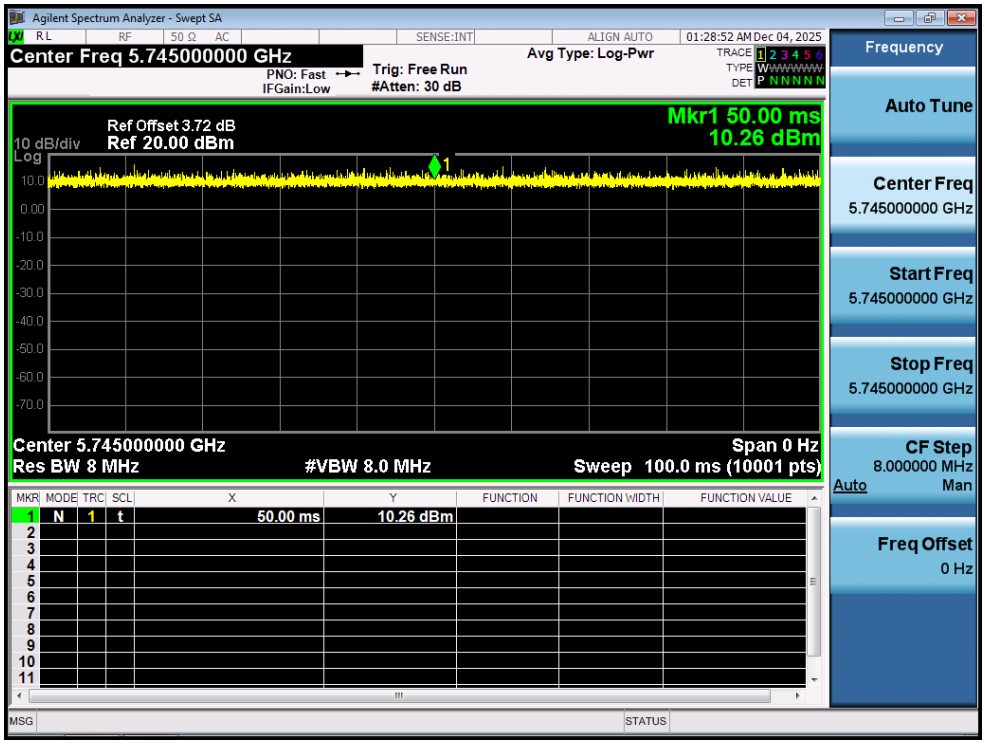
Duty Cycle NVNT n20 5745MHz Ant A



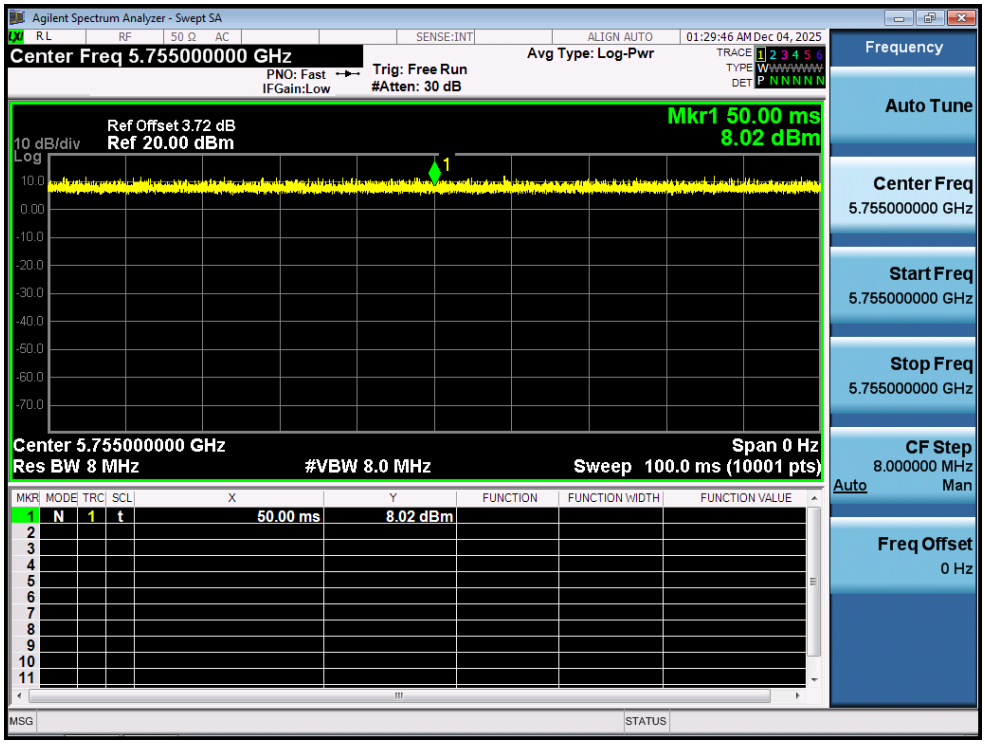
Duty Cycle NVNT n40 5755MHz Ant A



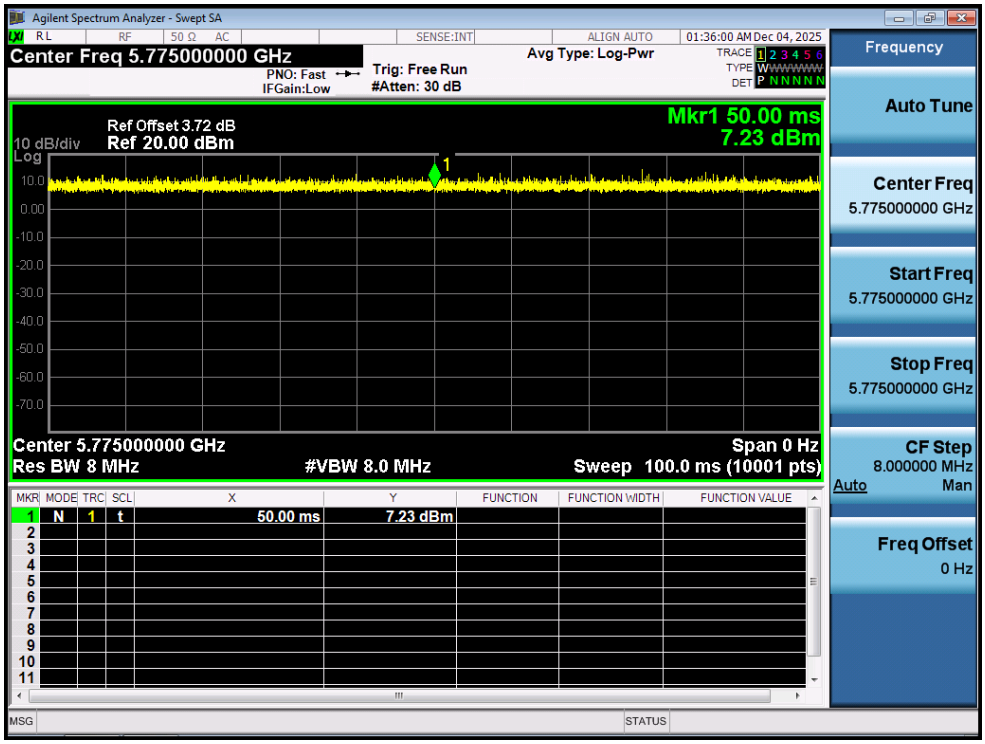
Duty Cycle NVNT ac20 5745MHz Ant A



Duty Cycle NVNT ac40 5755MHz Ant A



Duty Cycle NVNT ac80 5775MHz Ant A

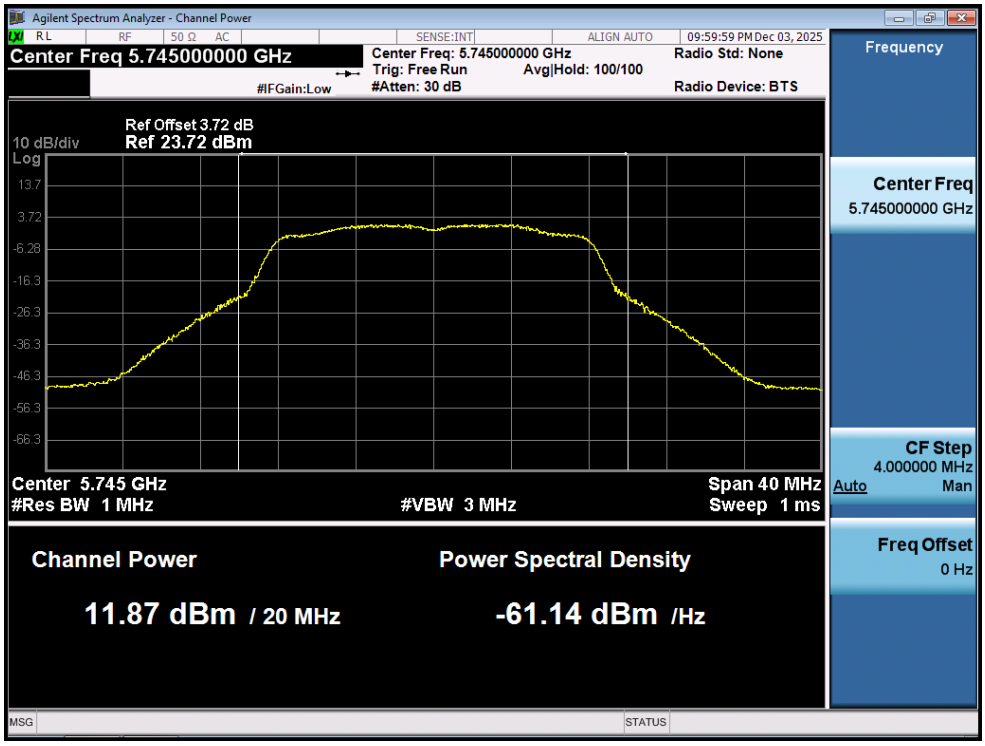


Maximum Conducted Output Power

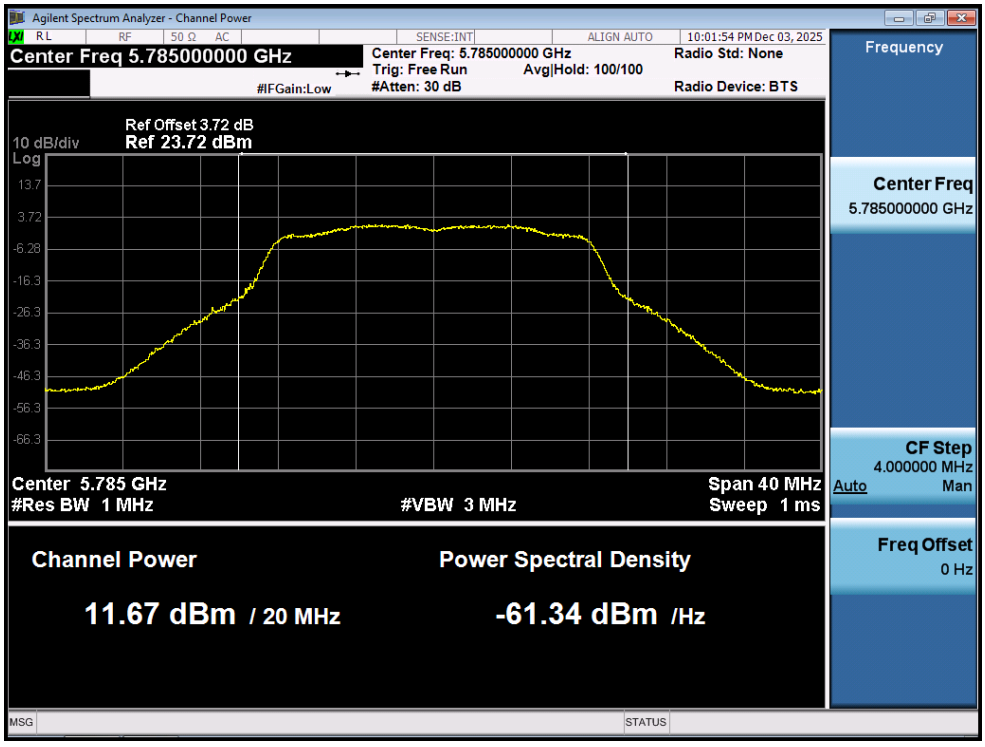
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant A	11.87	30	Pass
NVNT	a	5785	Ant A	11.67	30	Pass
NVNT	a	5825	Ant A	11.28	30	Pass
NVNT	n20	5745	Ant A	10.9	30	Pass
NVNT	n20	5785	Ant A	10.56	30	Pass
NVNT	n20	5825	Ant A	10.15	30	Pass
NVNT	n40	5755	Ant A	9.65	30	Pass
NVNT	n40	5795	Ant A	9.37	30	Pass
NVNT	ac20	5745	Ant A	10.84	30	Pass
NVNT	ac20	5785	Ant A	10.57	30	Pass
NVNT	ac20	5825	Ant A	9.99	30	Pass
NVNT	ac40	5755	Ant A	9.55	30	Pass
NVNT	ac40	5795	Ant A	9.35	30	Pass
NVNT	ac80	5775	Ant A	8.2	30	Pass

This product does not support MIMO mode and is a single-transmit-single-receive type.

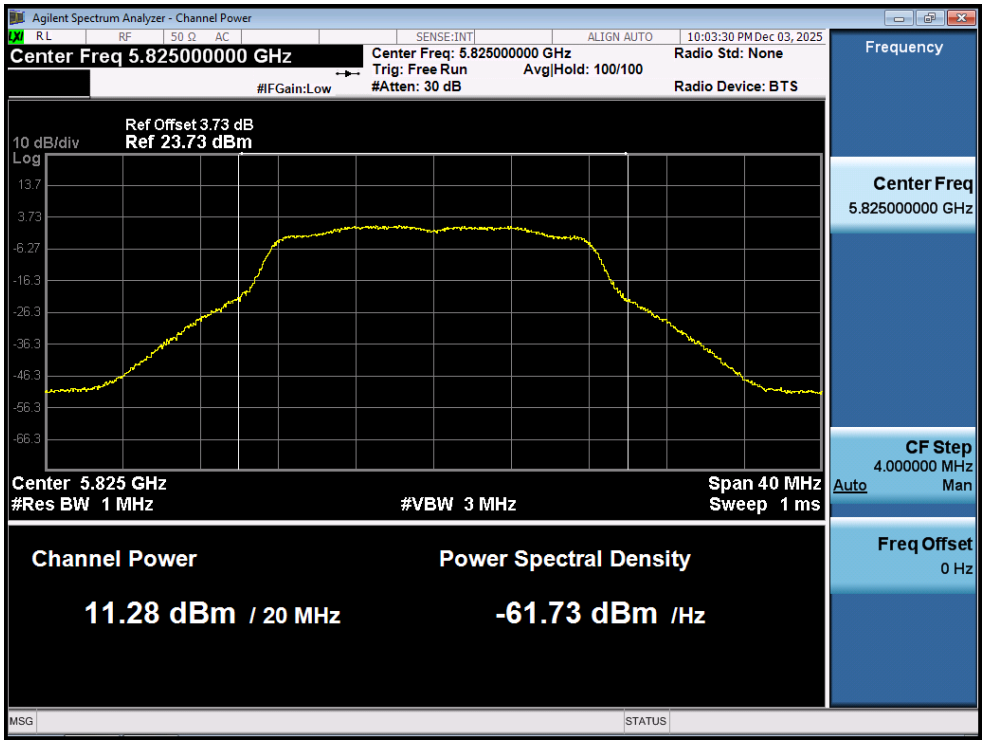
Test Graphs
Power NVNT a 5745MHz Ant A



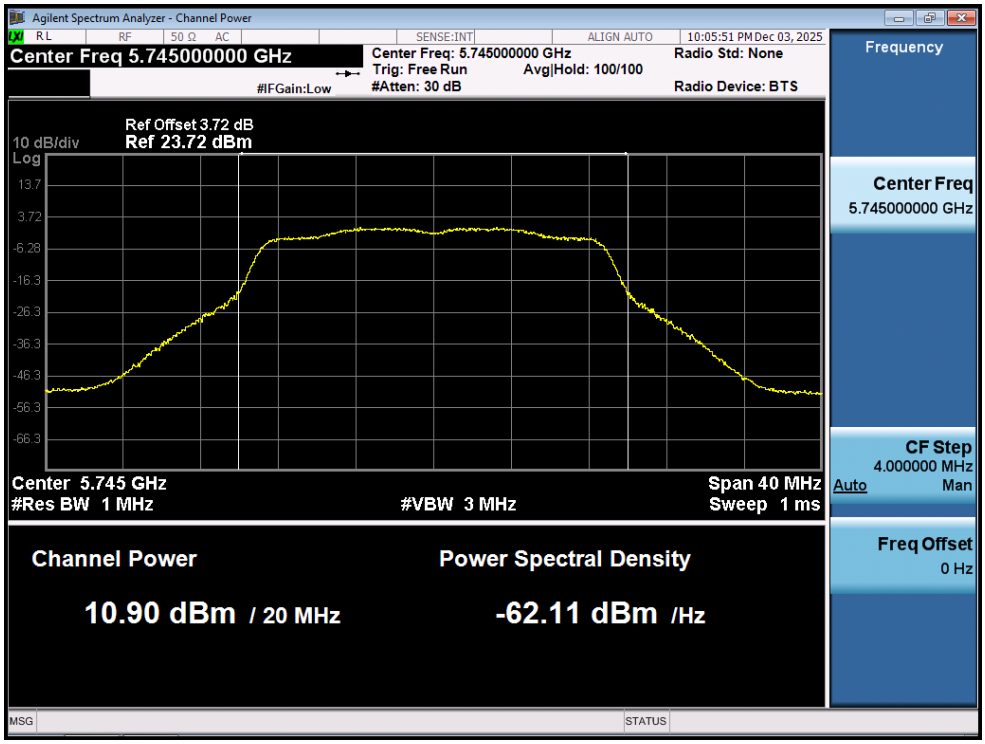
Power NVNT a 5785MHz Ant A



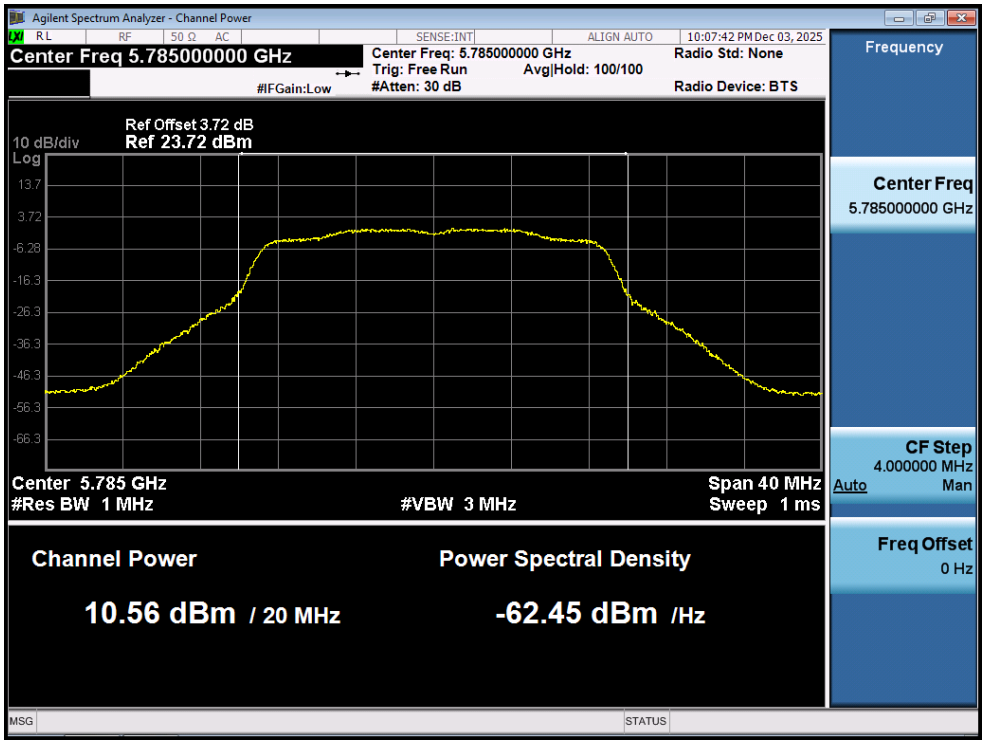
Power NVNT a 5825MHz Ant A



Power NVNT n20 5745MHz Ant A

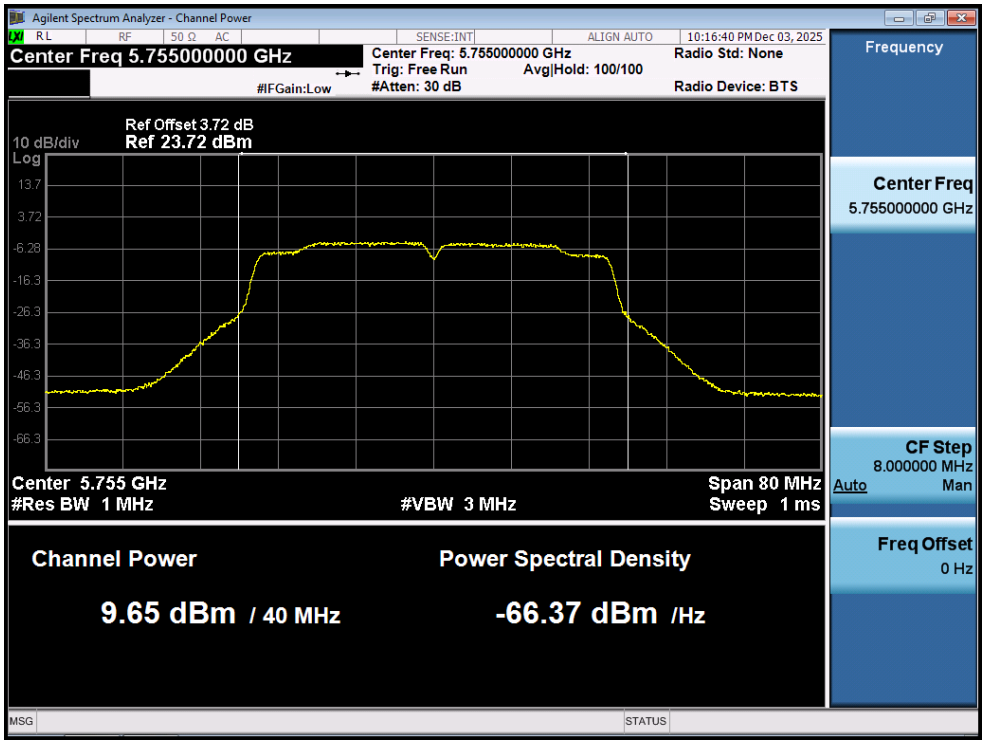


Power NVNT n20 5785MHz Ant A

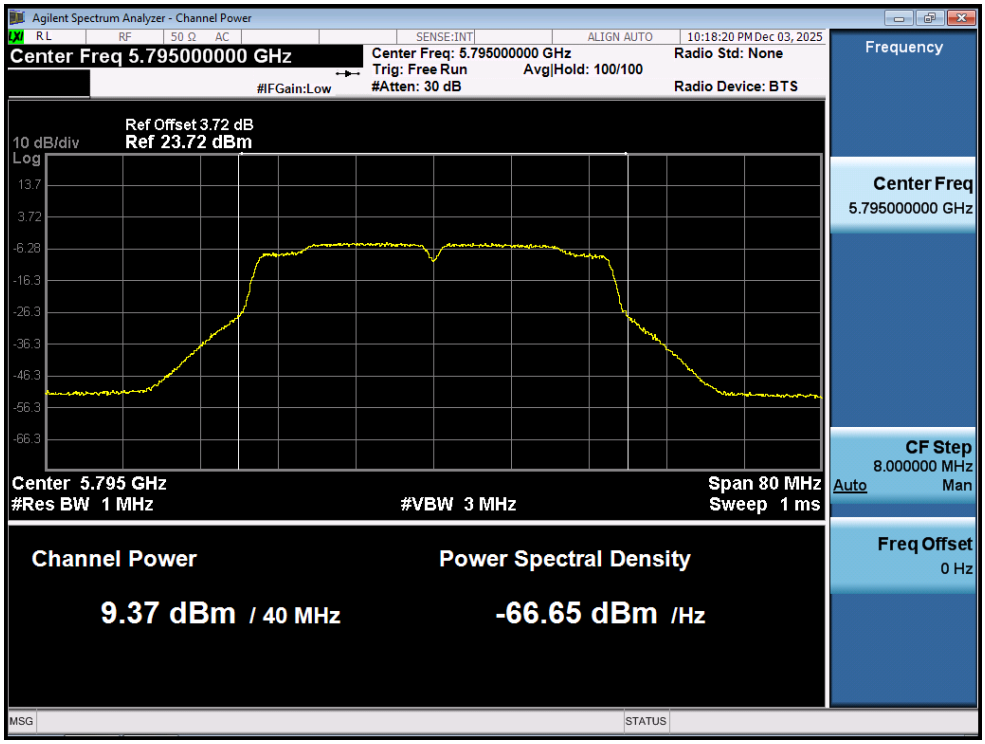


Power NVNT n20 5825MHz Ant A

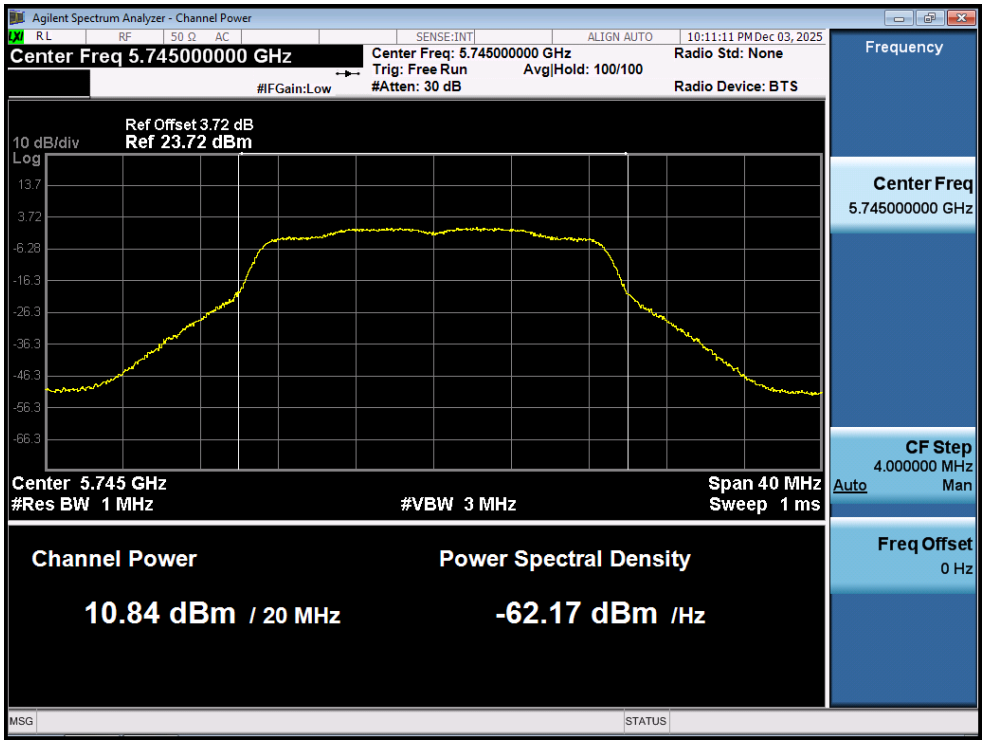
Power NVNT n40 5755MHz Ant A



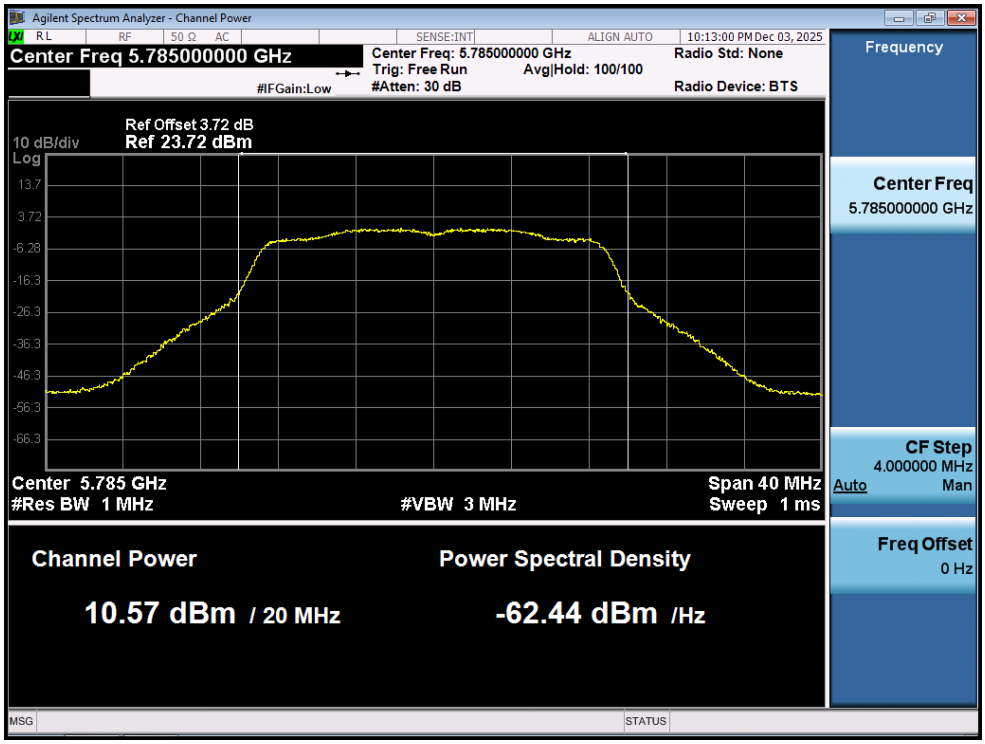
Power NVNT n40 5795MHz Ant A



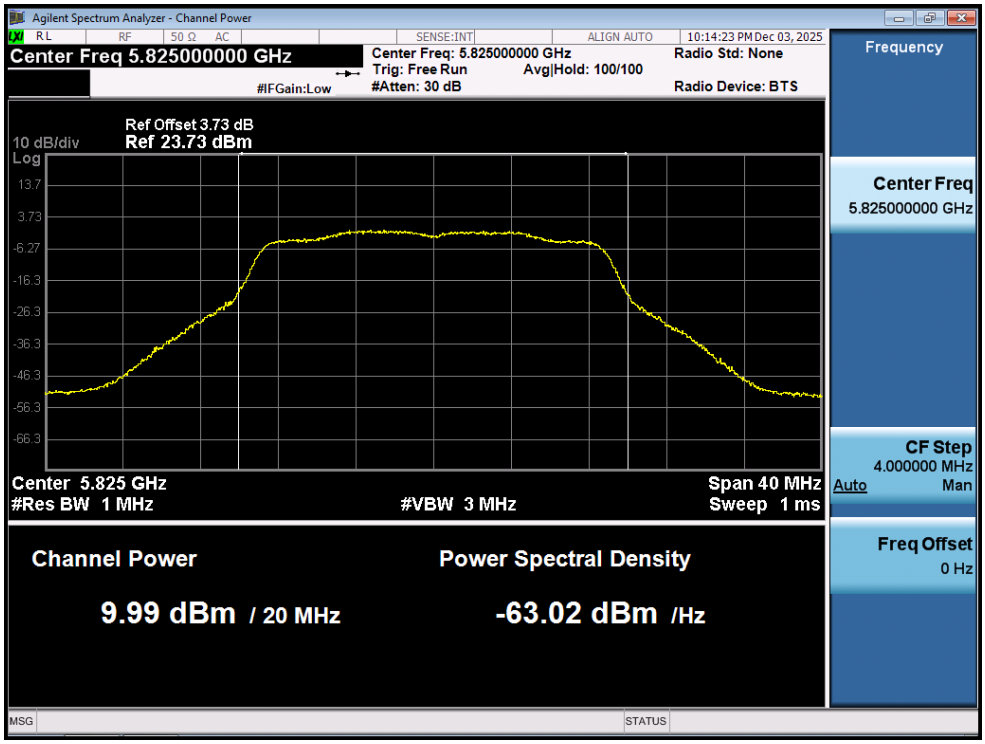
Power NVNT ac20 5745MHz Ant A



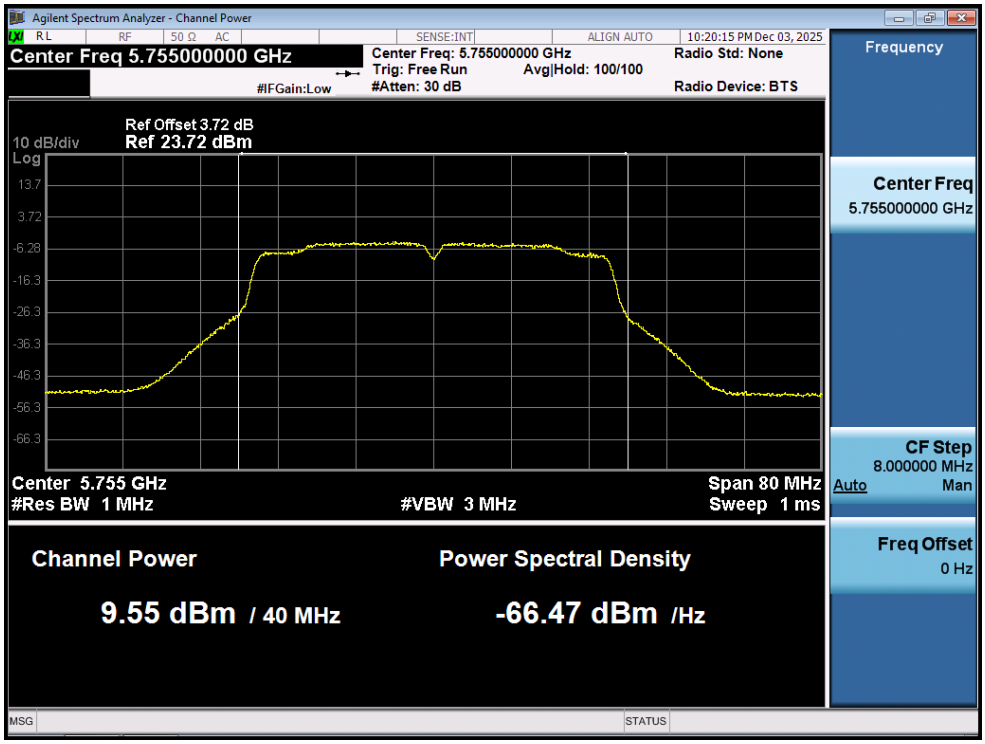
Power NVNT ac20 5785MHz Ant A



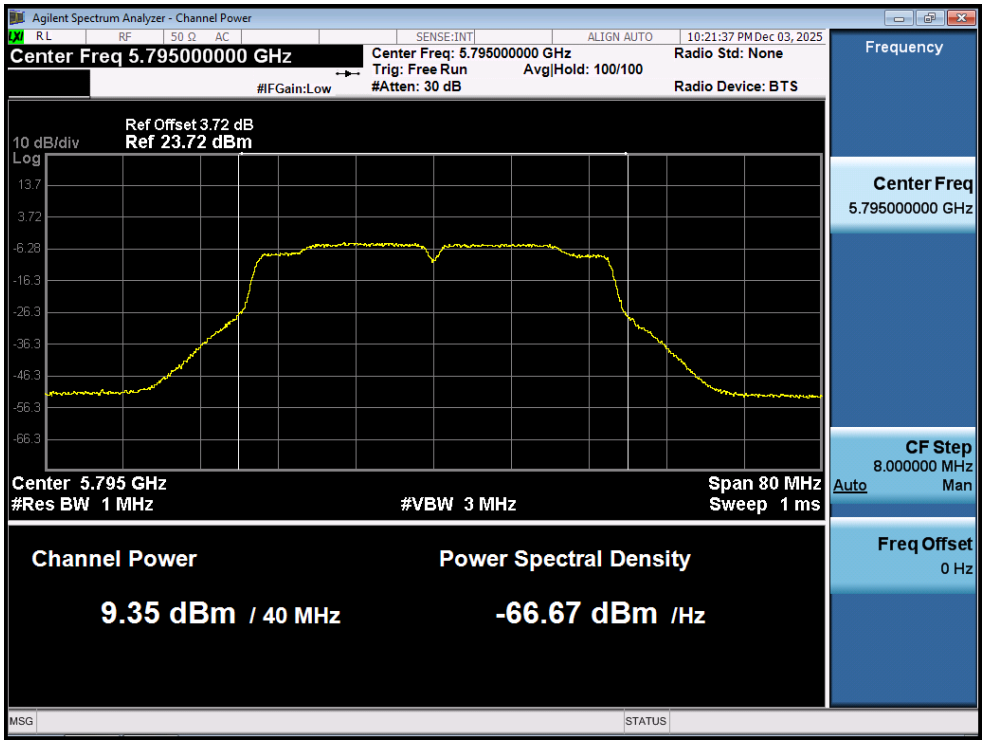
Power NVNT ac20 5825MHz Ant A



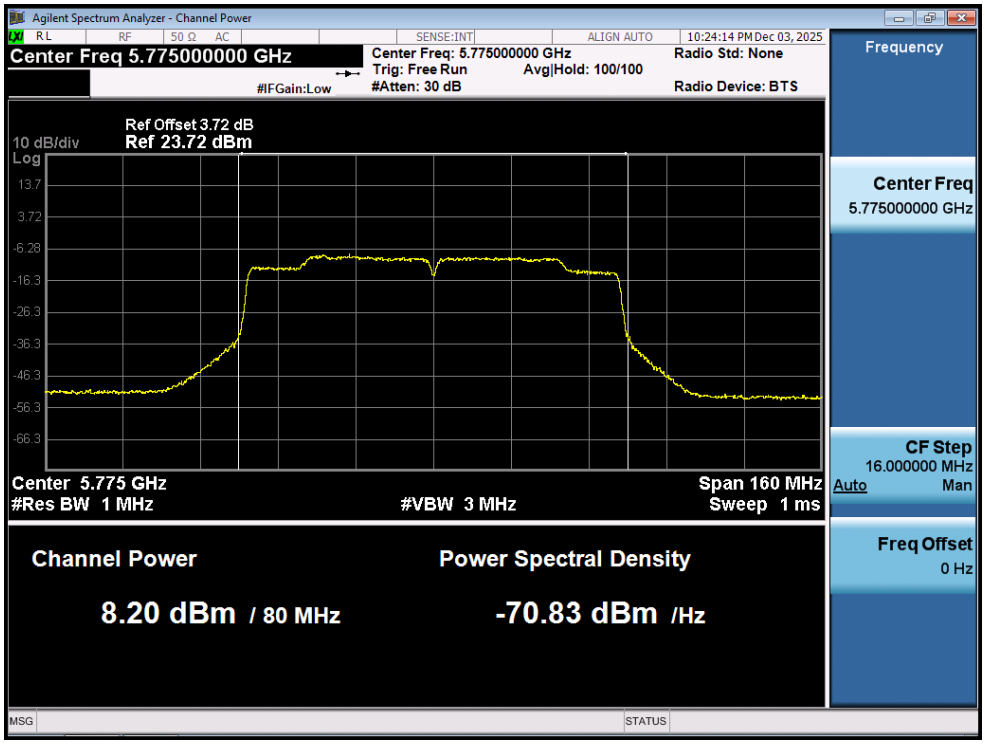
Power NVNT ac40 5755MHz Ant A



Power NVNT ac40 5795MHz Ant A



Power NVNT ac80 5775MHz Ant A

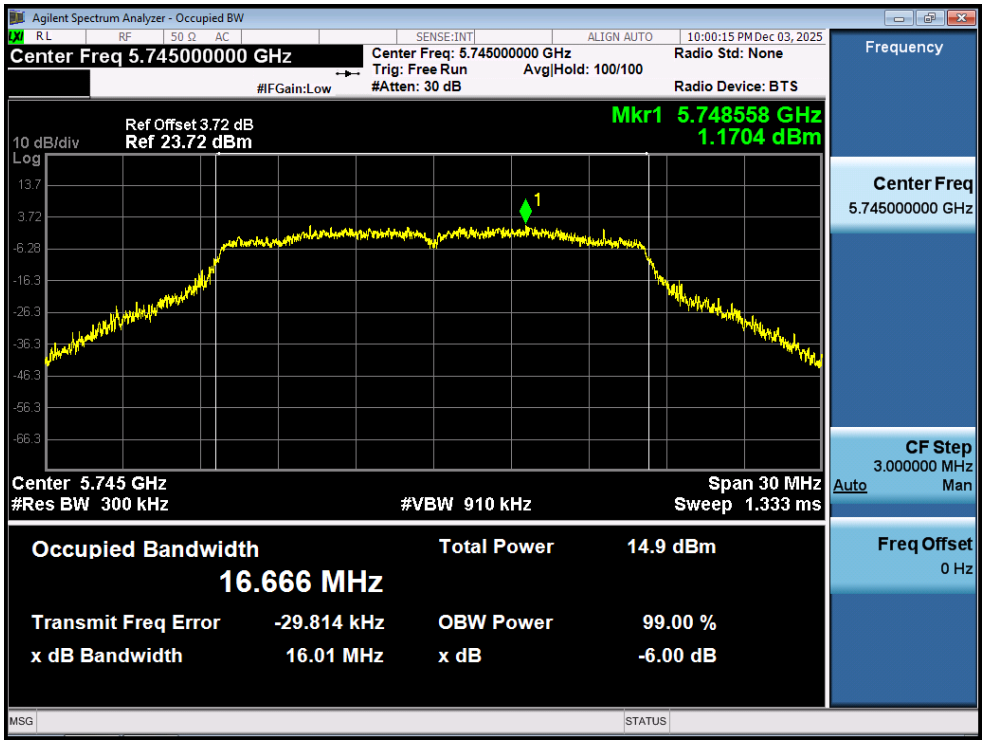


-6dB Bandwidth

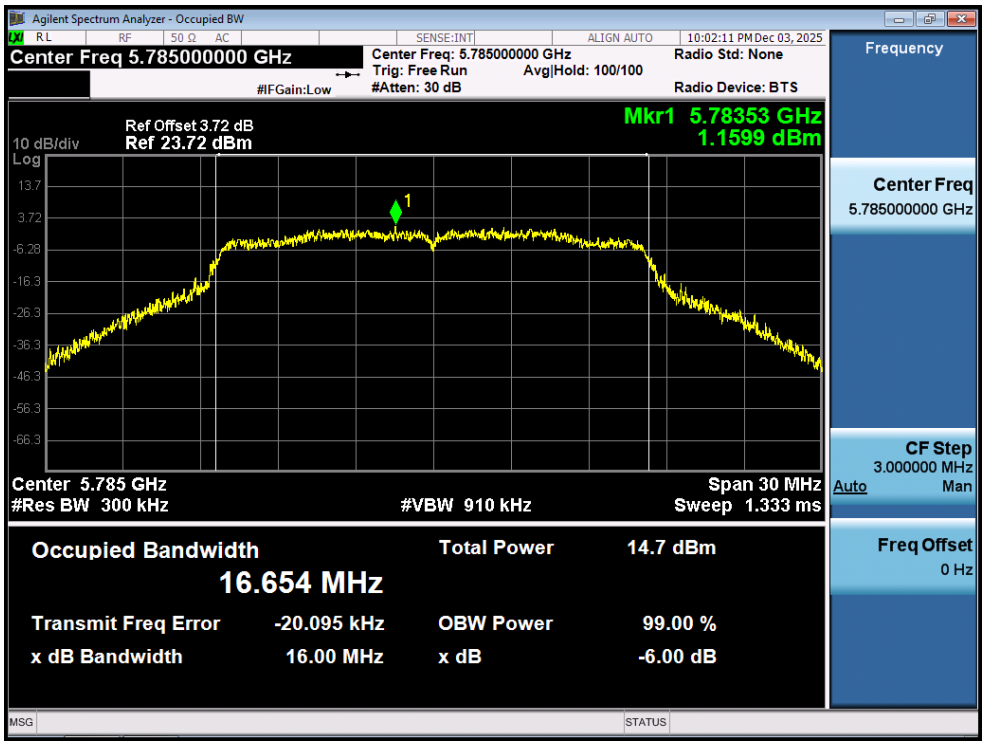
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant A	16.013	0.5	Pass
		5785		16.003	0.5	Pass
		5825		15.997	0.5	Pass
	n20	5745		17.183	0.5	Pass
		5785		17.461	0.5	Pass
		5825		17.307	0.5	Pass
	n40	5755		35.475	0.5	Pass
		5795		35.713	0.5	Pass
	ac20	5745		17.399	0.5	Pass
		5785		17.13	0.5	Pass
		5825		17.376	0.5	Pass
	ac40	5755		35.381	0.5	Pass
		5795		35.785	0.5	Pass
	ac80	5775		75.313	0.5	Pass

Test Graphs

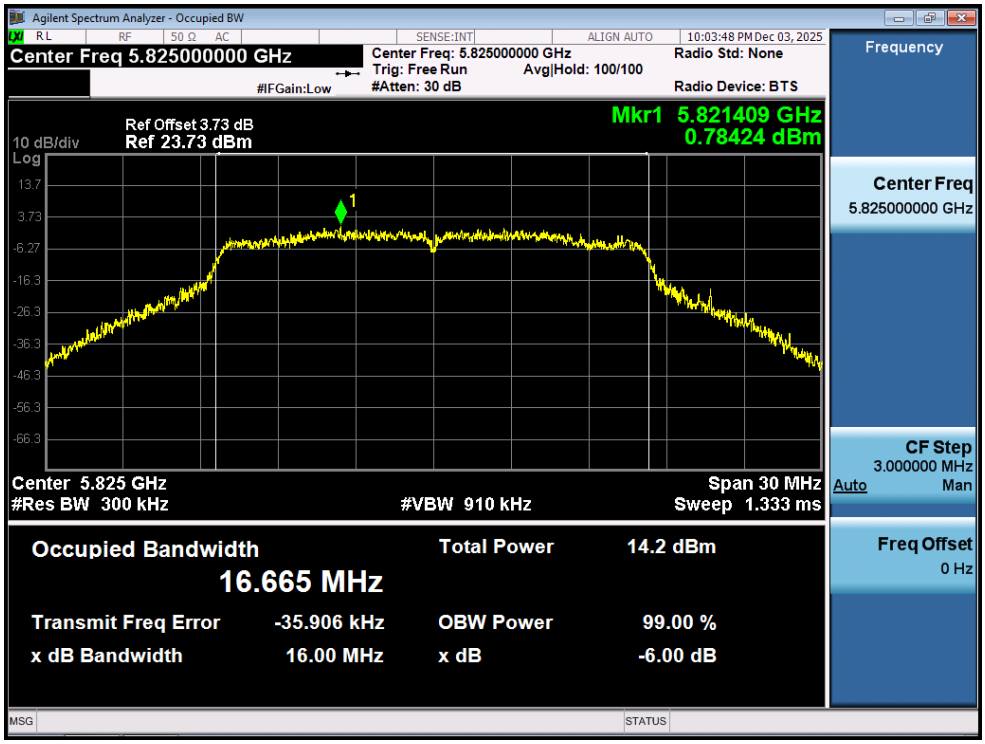
-6dB Bandwidth NVNT a 5745MHz Ant A



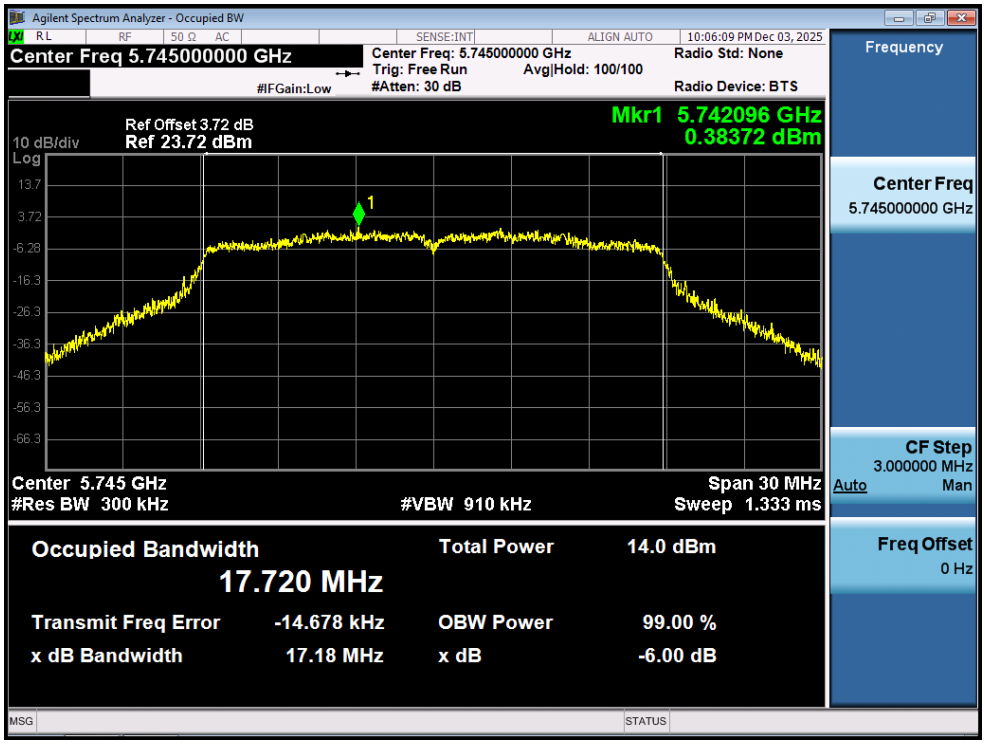
-6dB Bandwidth NVNT a 5785MHz Ant A



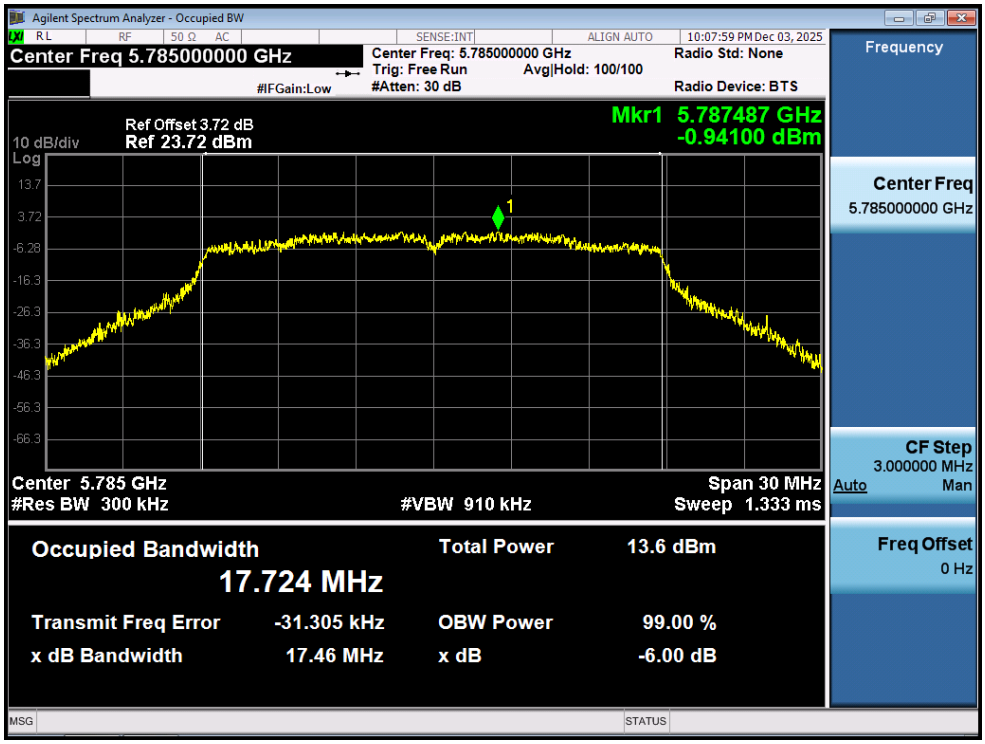
-6dB Bandwidth NVNT a 5825MHz Ant A



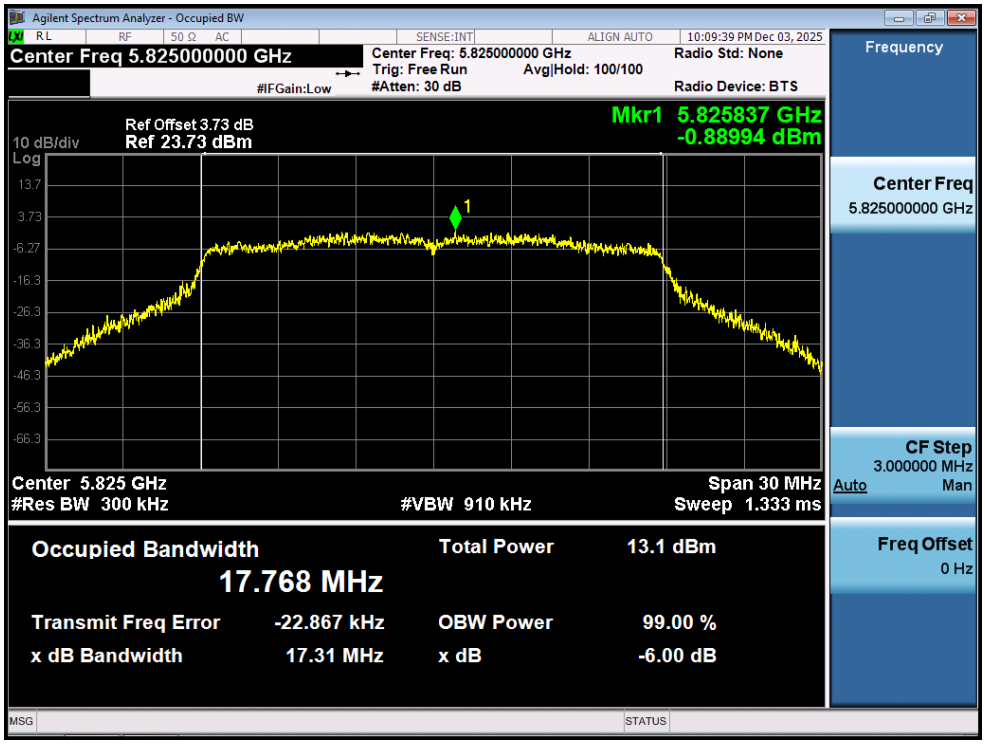
-6dB Bandwidth NVNT n20 5745MHz Ant A



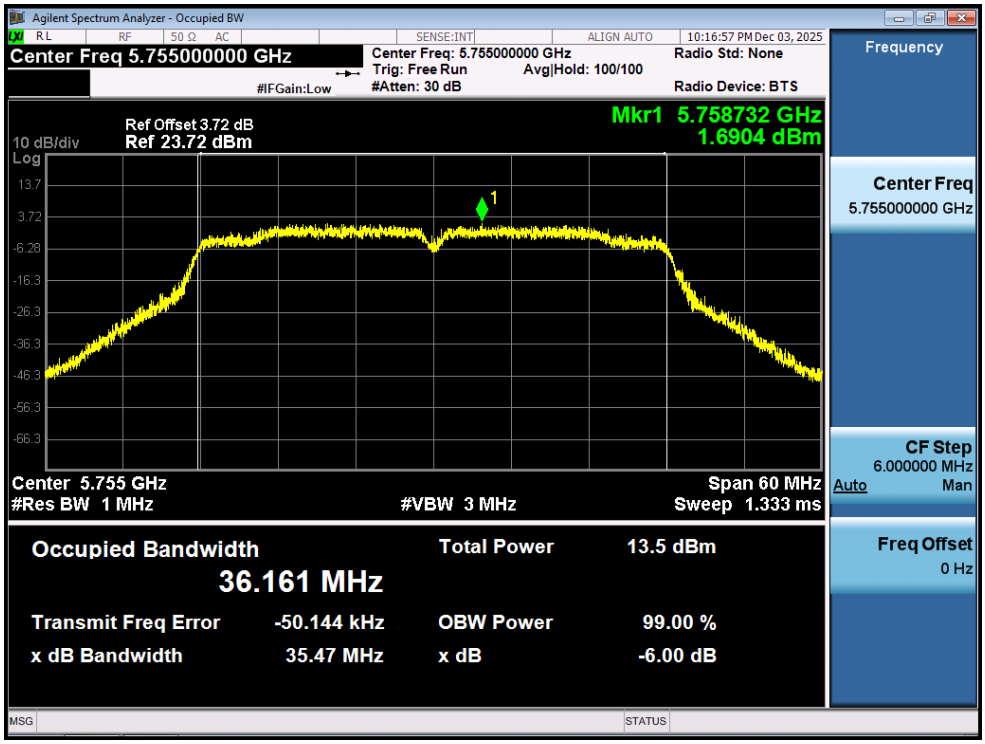
-6dB Bandwidth NVNT n20 5785MHz Ant A



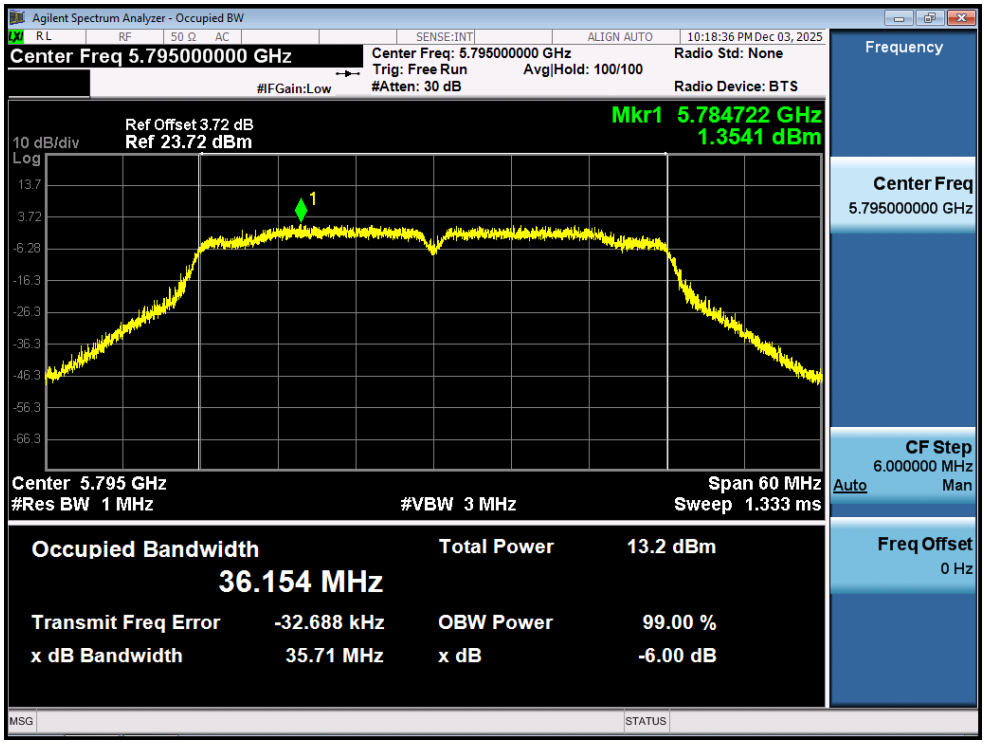
-6dB Bandwidth NVNT n20 5825MHz Ant A



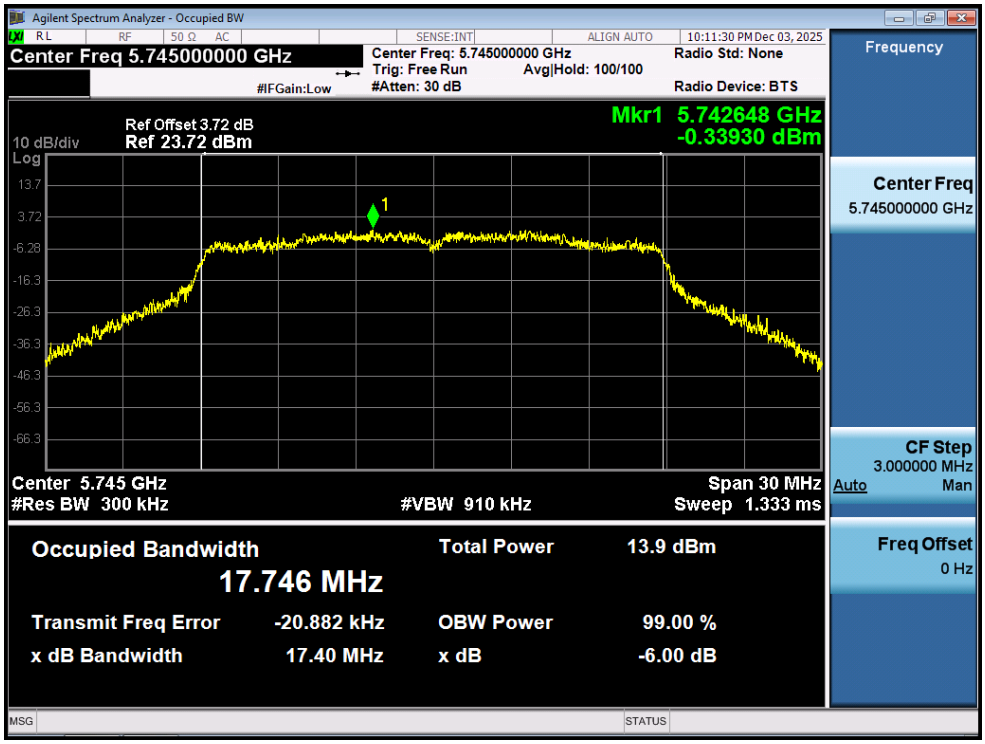
-6dB Bandwidth NVNT n40 5755MHz Ant A



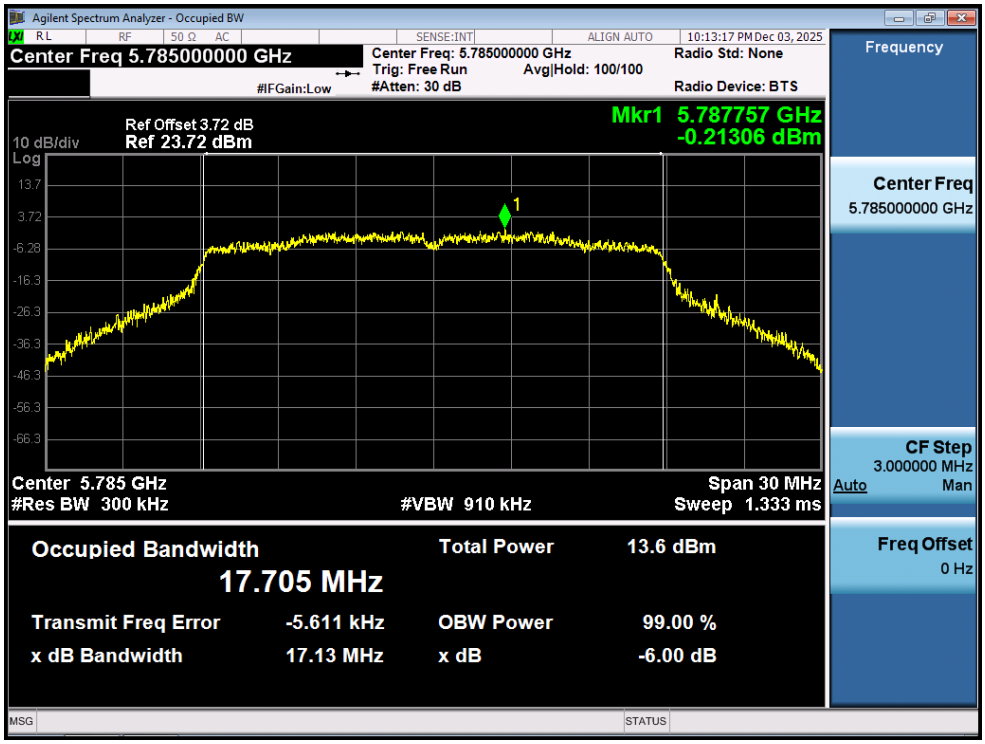
-6dB Bandwidth NVNT n40 5795MHz Ant A



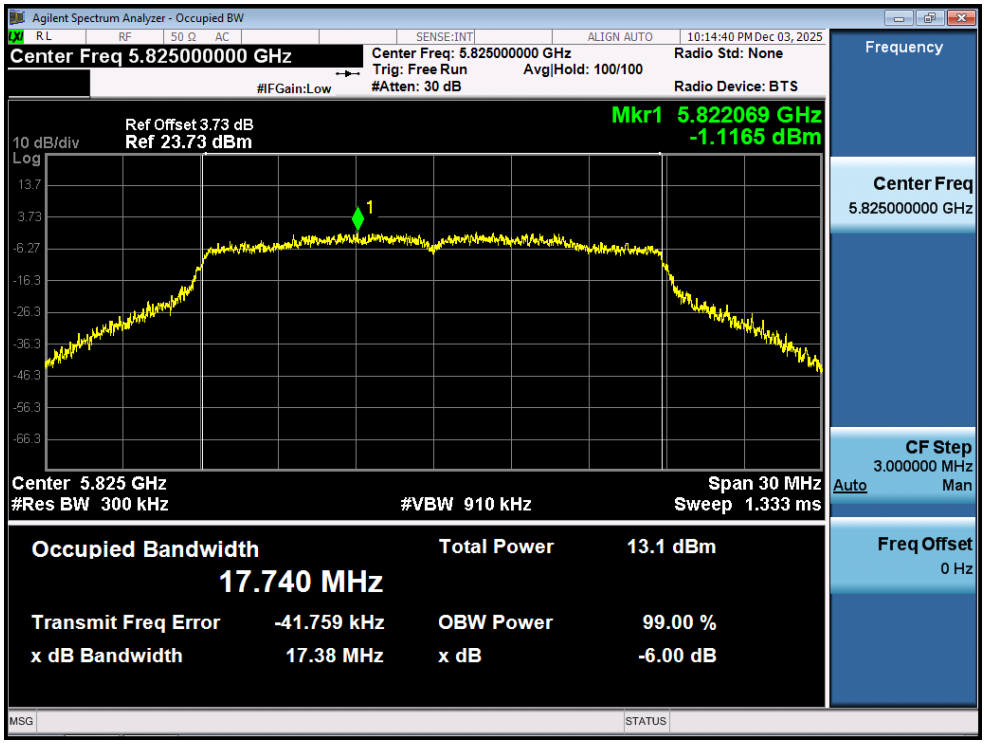
-6dB Bandwidth NVNT ac20 5745MHz Ant A



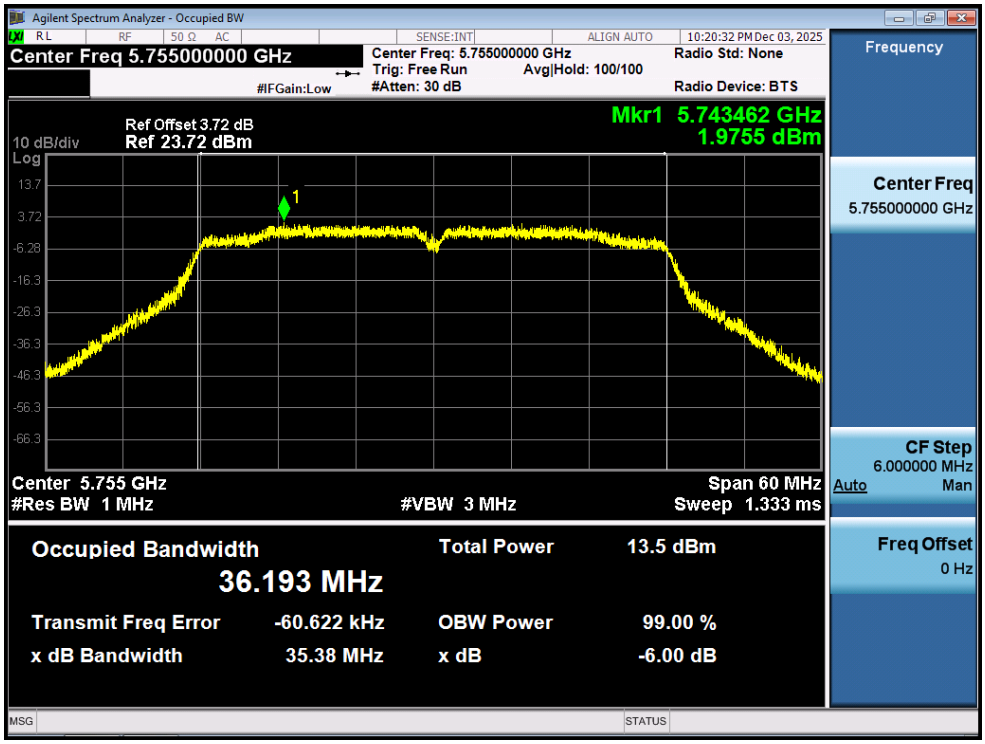
-6dB Bandwidth NVNT ac20 5785MHz Ant A



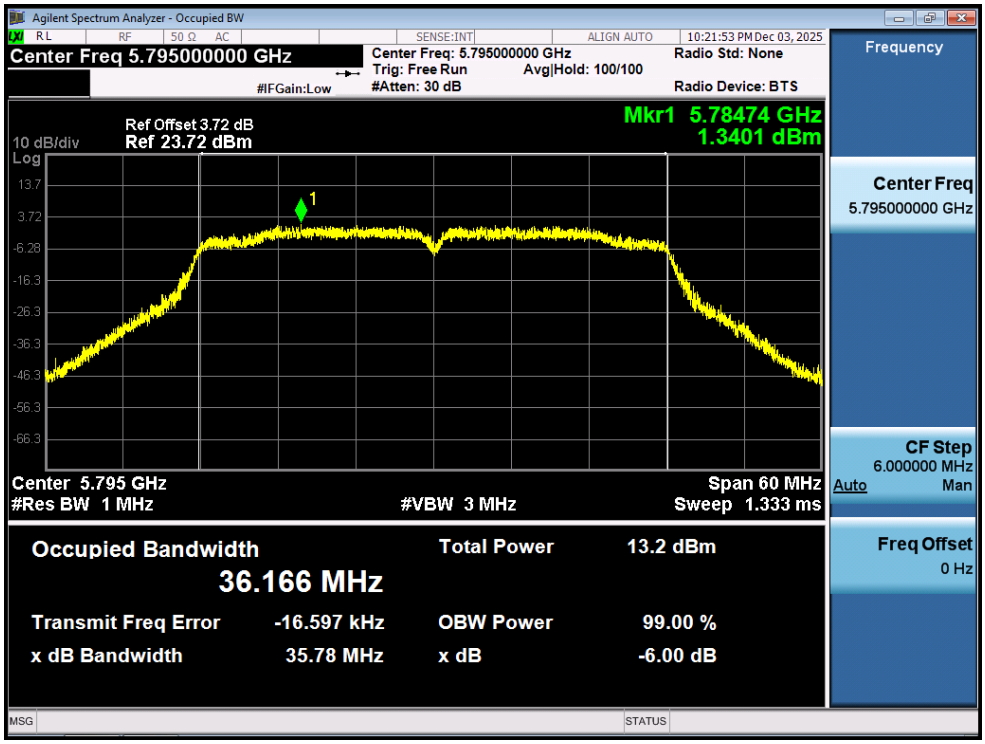
-6dB Bandwidth NVNT ac20 5825MHz Ant A



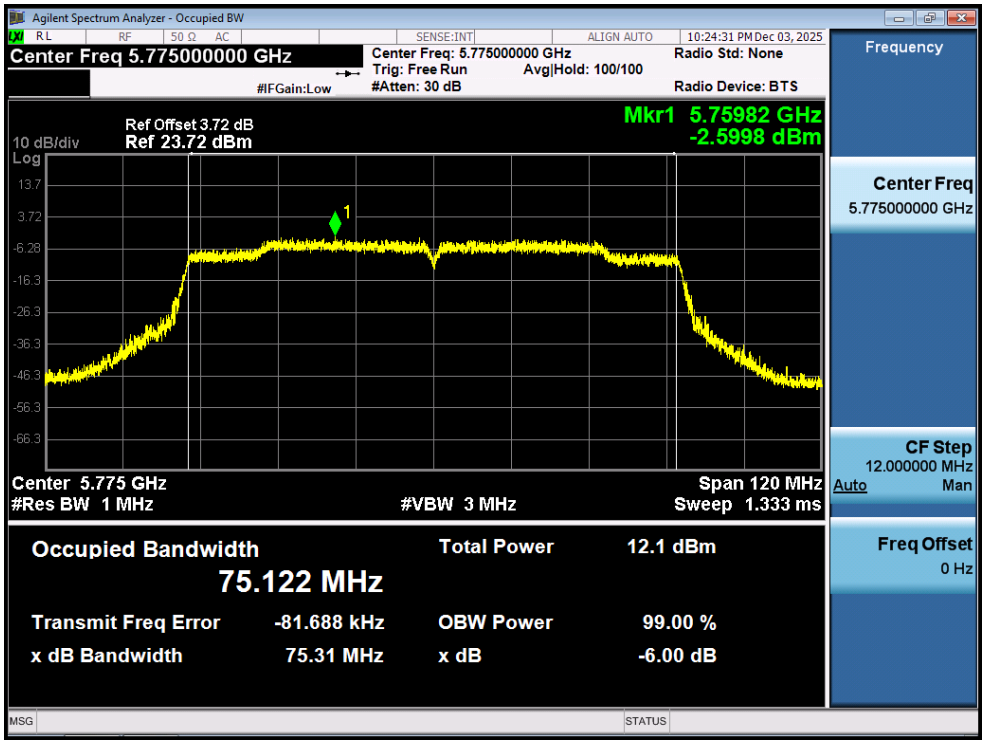
-6dB Bandwidth NVNT ac40 5755MHz Ant A



-6dB Bandwidth NVNT ac40 5795MHz Ant A



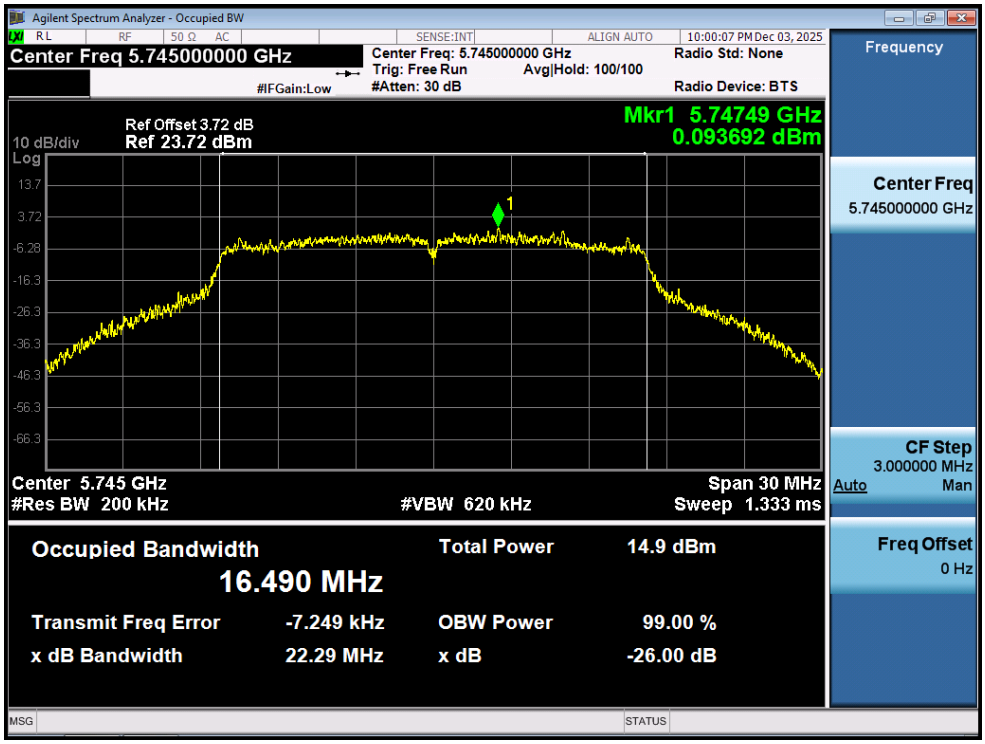
-6dB Bandwidth NVNT ac80 5775MHz Ant A



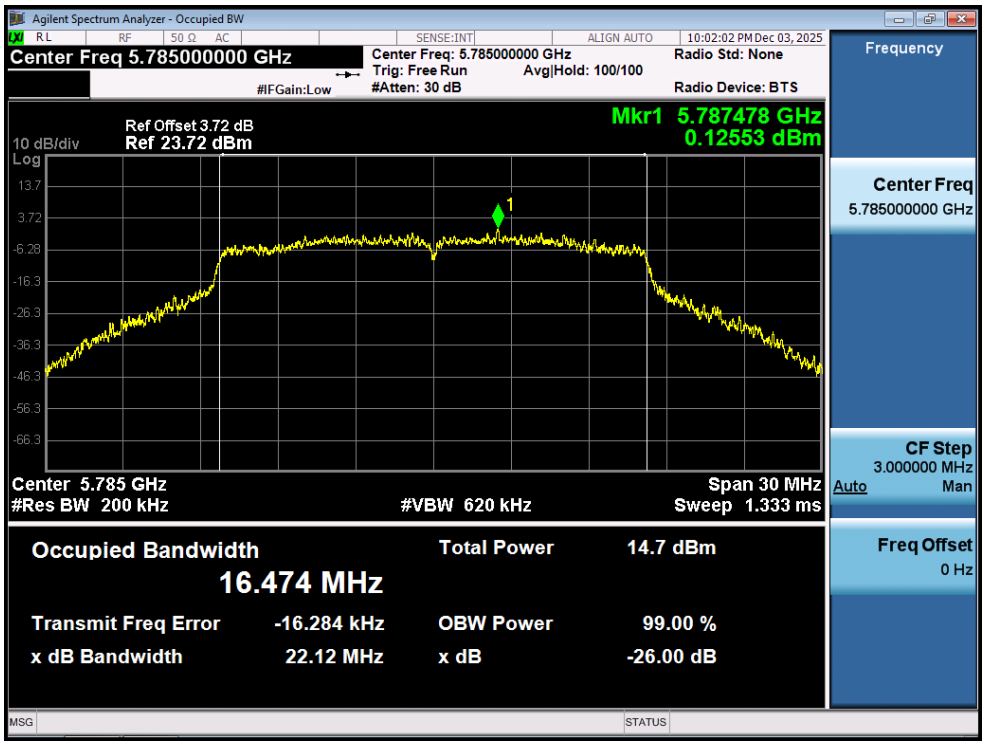
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant A	16.49
		5785		16.474
		5825		16.523
	n20	5745		17.69
		5785		17.651
		5825		17.664
	n40	5755		36.007
		5795		36.032
	ac20	5745		17.654
		5785		17.616
		5825		17.658
	ac40	5755		36.039
		5795		36.034
	ac80	5775		75.023

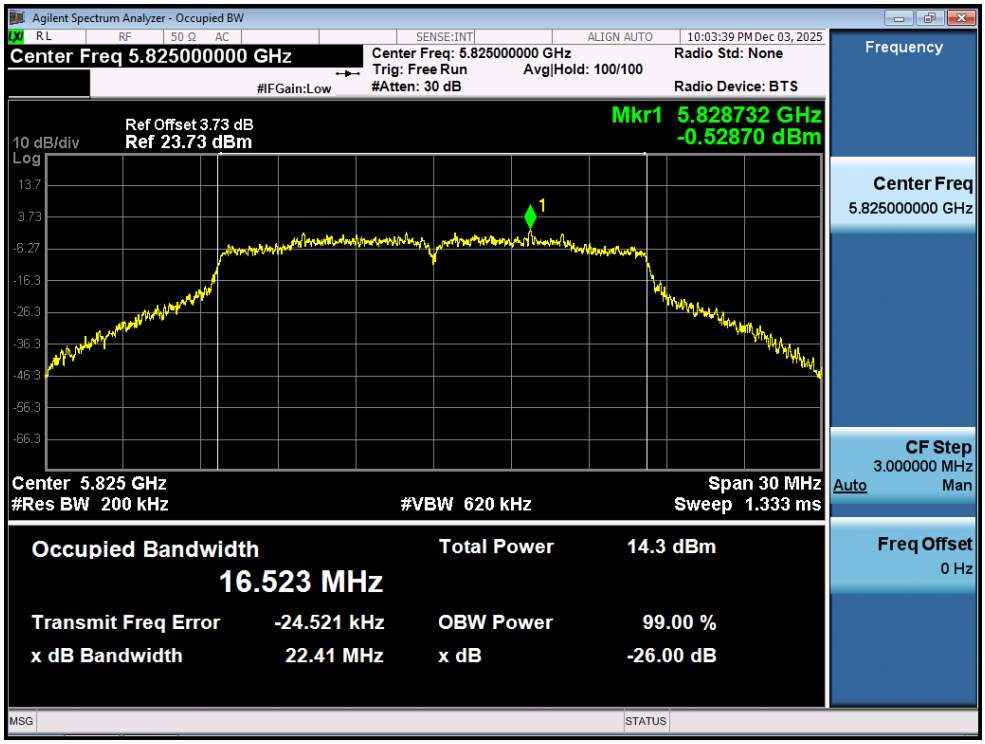
Test Graphs
OBW NVNT a 5745MHz Ant A



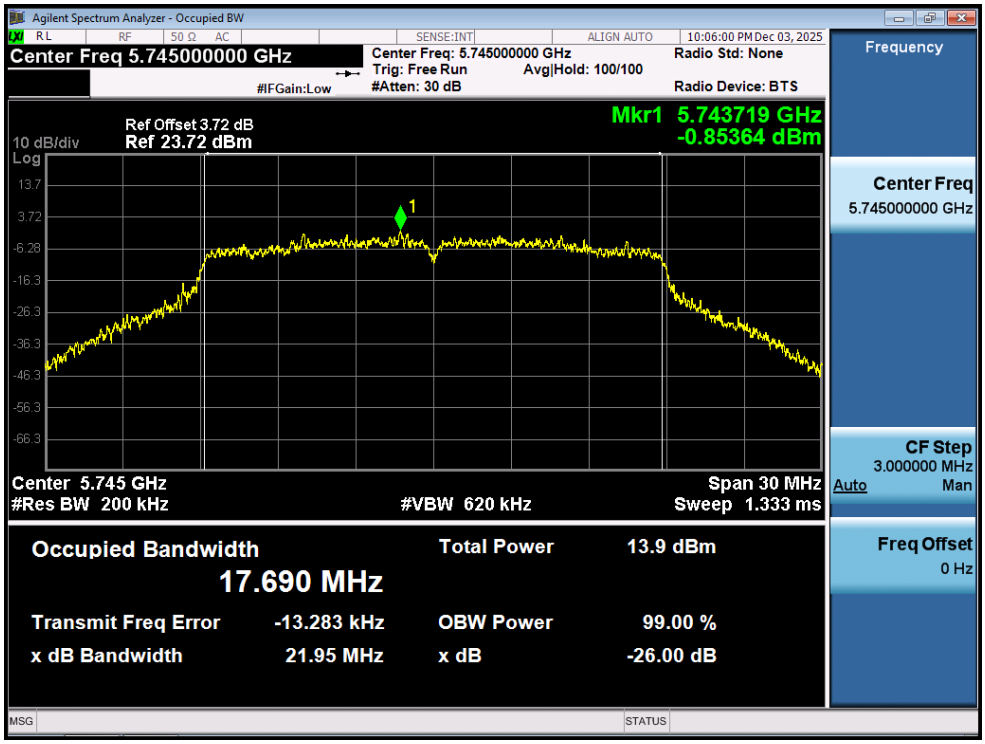
OBW NVNT a 5785MHz Ant A



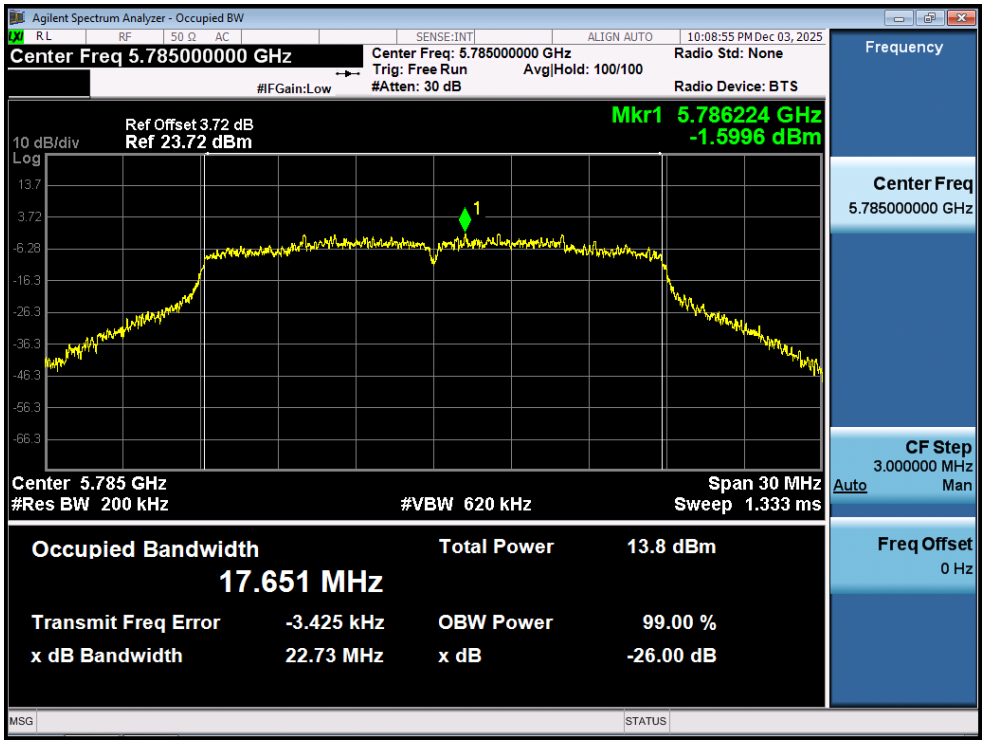
OBW NVNT a 5825MHz Ant A



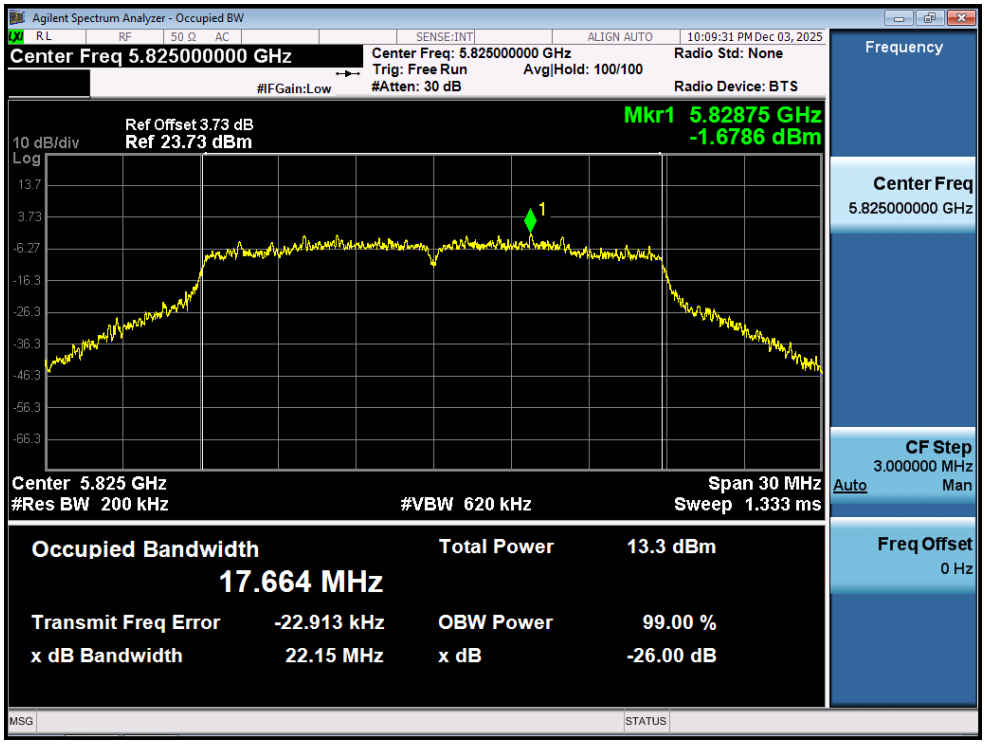
OBW NVNT n20 5745MHz Ant A



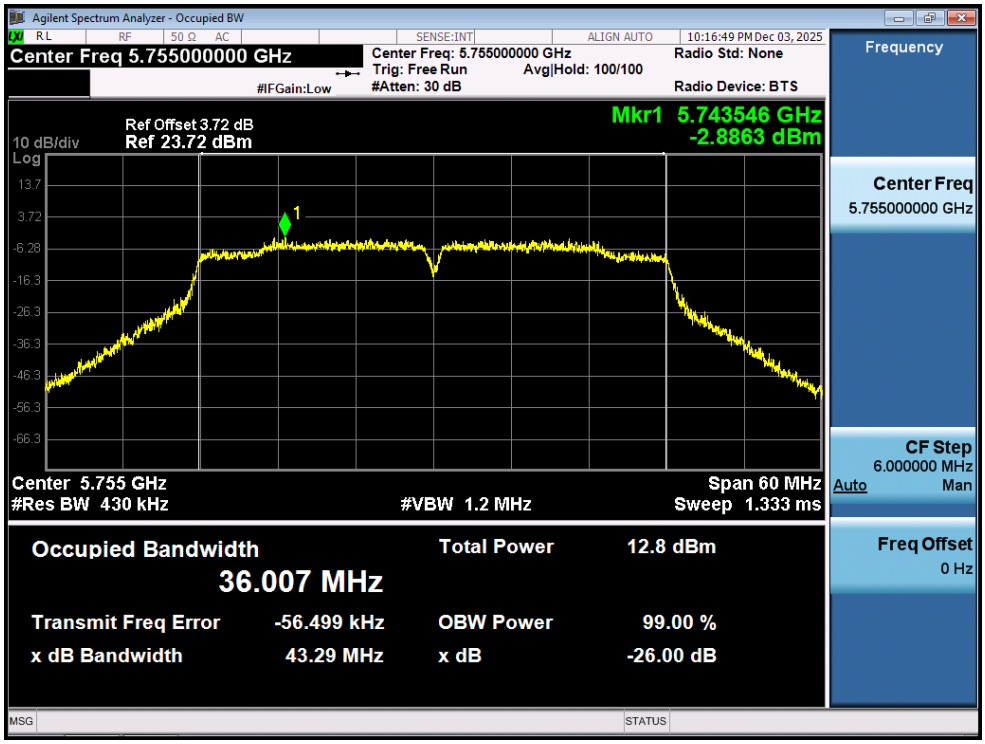
OBW NVNT n20 5785MHz Ant A



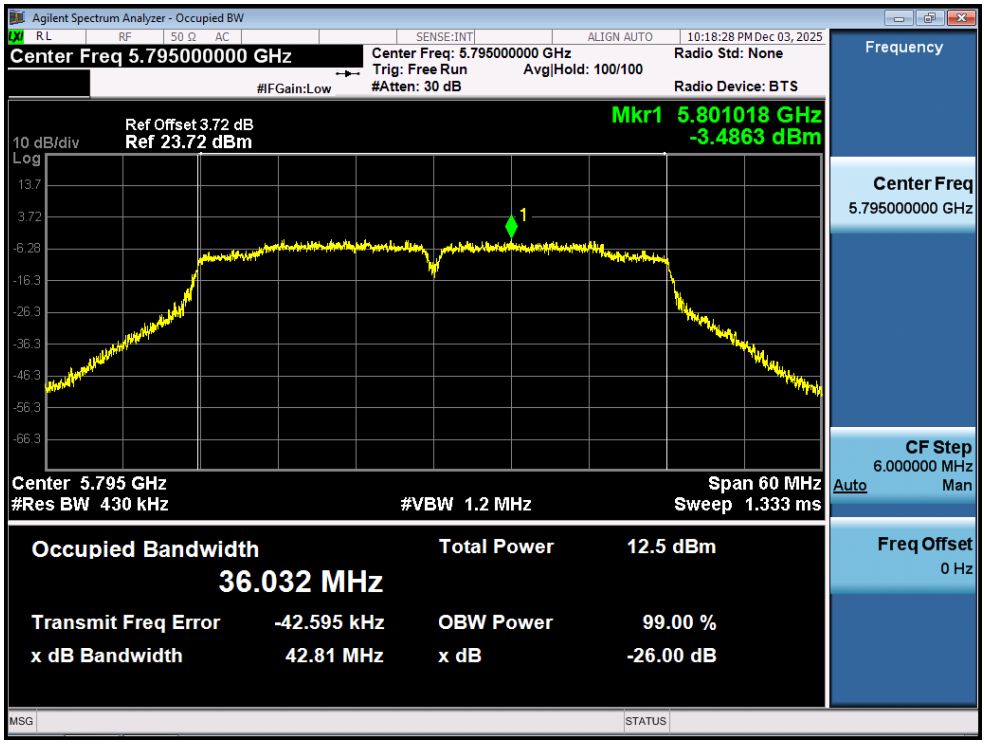
OBW NVNT n20 5825MHz Ant A



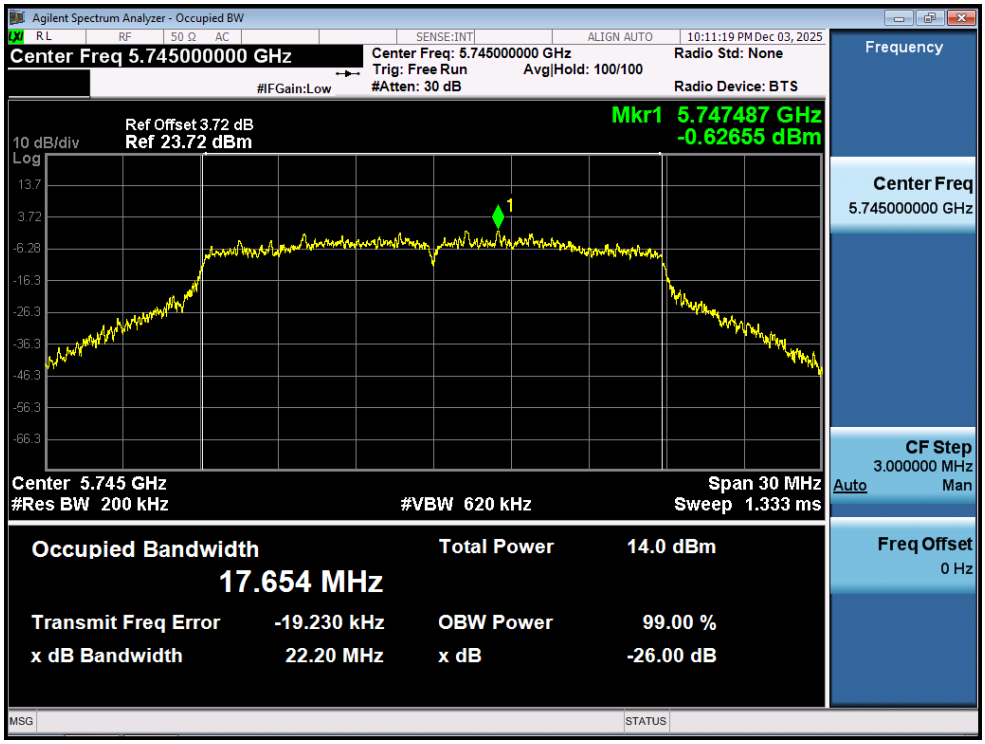
OBW NVNT n40 5755MHz Ant A



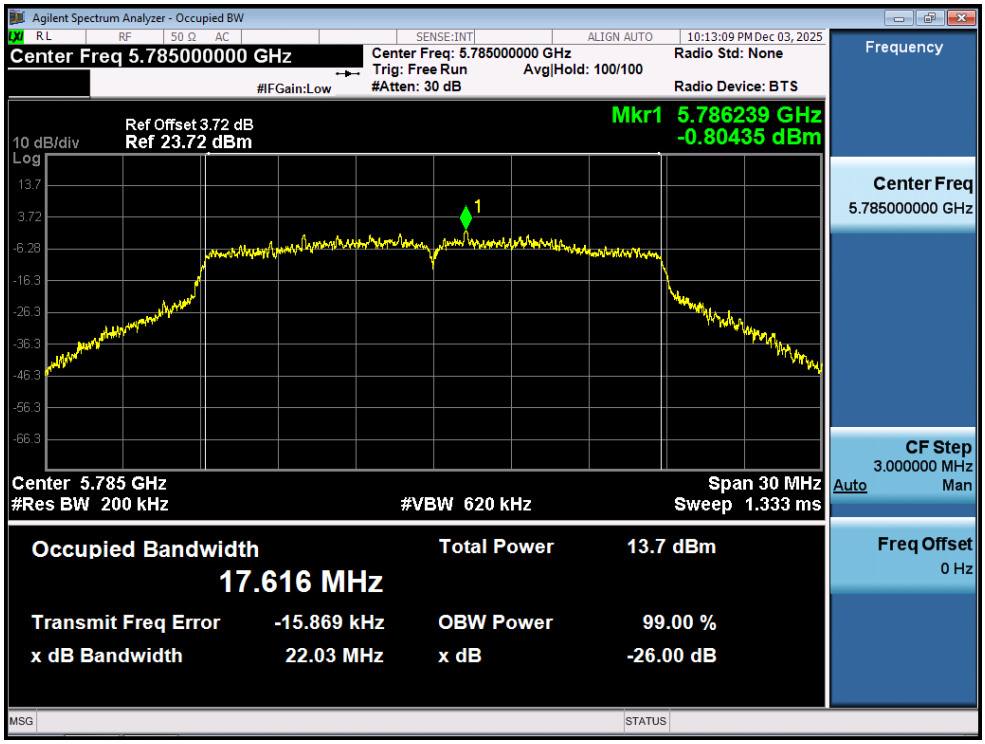
OBW NVNT n40 5795MHz Ant A



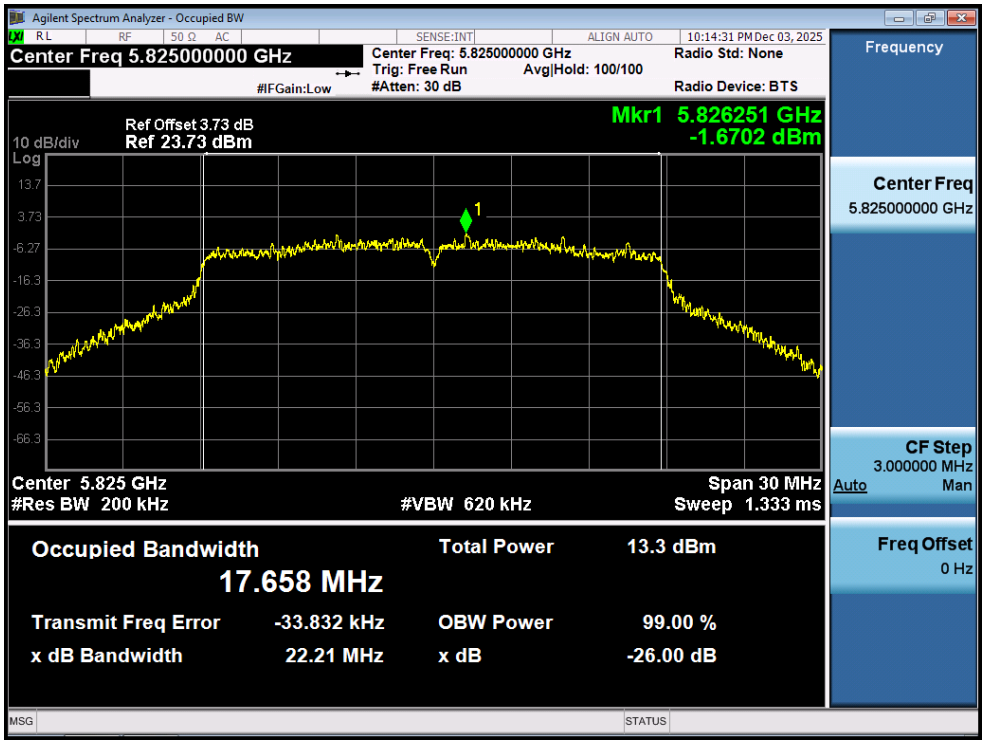
OBW NVNT ac20 5745MHz Ant A



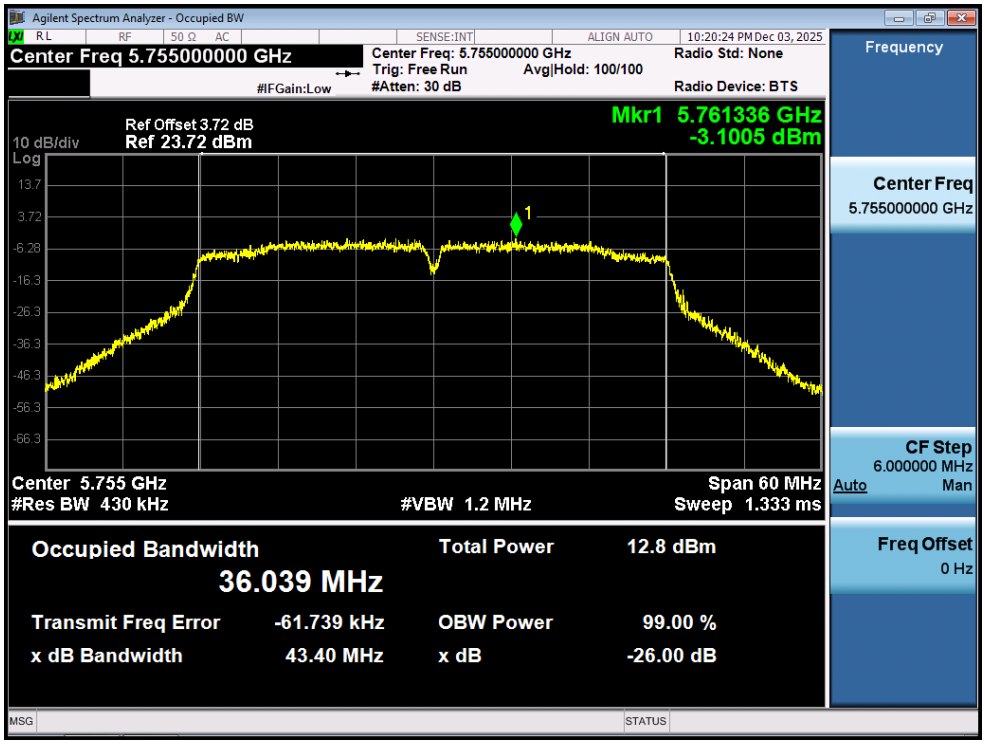
OBW NVNT ac20 5785MHz Ant A



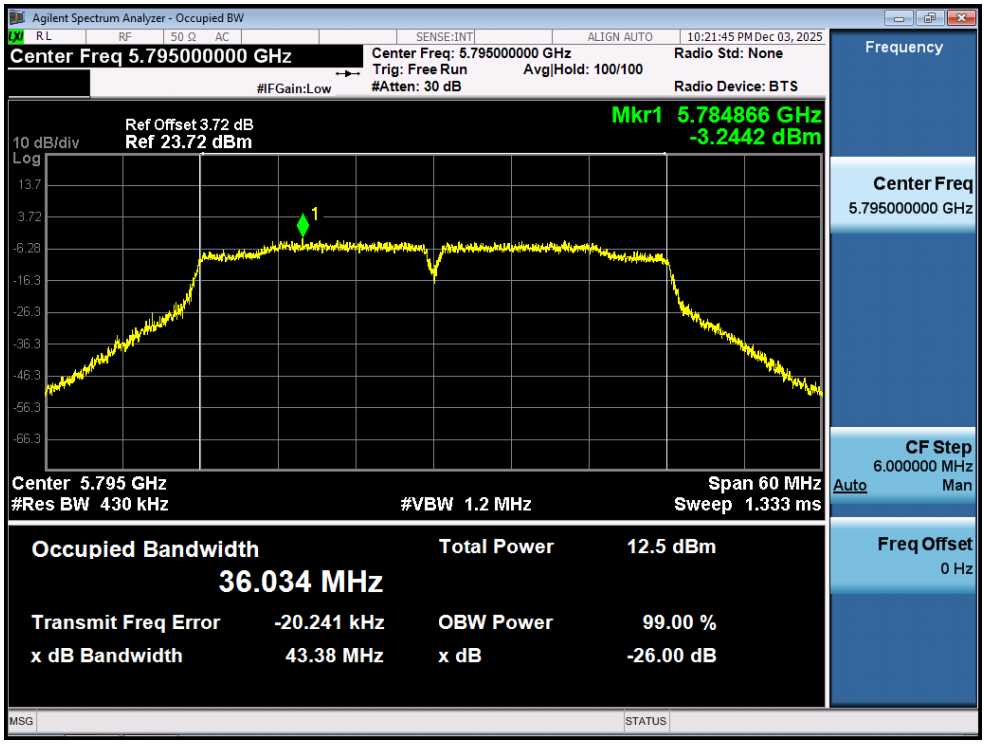
OBW NVNT ac20 5825MHz Ant A



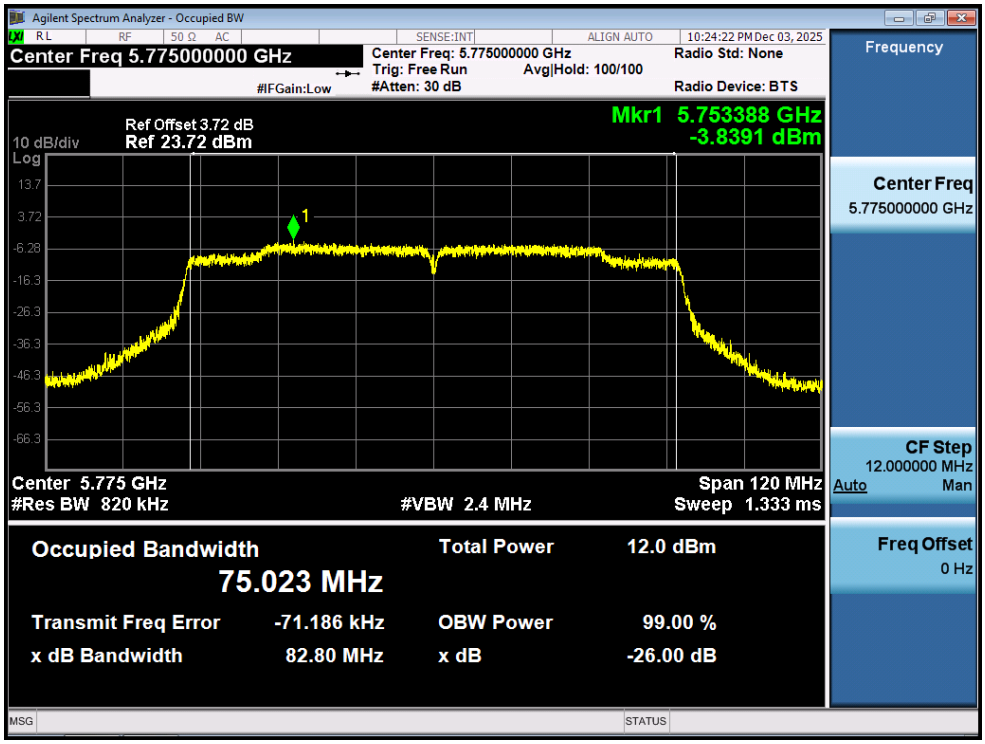
OBW NVNT ac40 5755MHz Ant A



OBW NVNT ac40 5795MHz Ant A



OBW NVNT ac80 5775MHz Ant A



Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/510kHz)	Conducted PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
NVNT	a	5745	Ant A	-3.79	-3.876	30	Pass
NVNT	a	5785	Ant A	-3.91	-3.996	30	Pass
NVNT	a	5825	Ant A	-4.45	-4.536	30	Pass
NVNT	n20	5745	Ant A	-4.98	-5.066	30	Pass
NVNT	n20	5785	Ant A	-5.1	-5.186	30	Pass
NVNT	n20	5825	Ant A	-5.54	-5.626	30	Pass
NVNT	n40	5755	Ant A	-9.14	-9.226	30	Pass
NVNT	n40	5795	Ant A	-9.7	-9.786	30	Pass
NVNT	ac20	5745	Ant A	-4.71	-4.796	30	Pass
NVNT	ac20	5785	Ant A	-5	-5.086	30	Pass
NVNT	ac20	5825	Ant A	-5.66	-5.746	30	Pass
NVNT	ac40	5755	Ant A	-9.35	-9.436	30	Pass
NVNT	ac40	5795	Ant A	-9.71	-9.796	30	Pass
NVNT	ac80	5775	Ant A	-13.84	-13.926	30	Pass

This product does not support MIMO mode and is a single-transmit-single-receive type.

Test Graphs

PSD NVNT a 5745MHz Ant A

PSD NVNT a 5785MHz Ant A

PSD NVNT a 5825MHz Ant A

PSD NVNT n20 5745MHz Ant A

PSD NVNT n20 5785MHz Ant A

PSD NVNT n20 5825MHz Ant A

PSD NVNT n40 5755MHz Ant A

PSD NVNT n40 5795MHz Ant A

PSD NVNT ac20 5745MHz Ant A

PSD NVNT ac20 5785MHz Ant A

PSD NVNT ac20 5825MHz Ant A

PSD NVNT ac40 5755MHz Ant A

PSD NVNT ac40 5795MHz Ant A

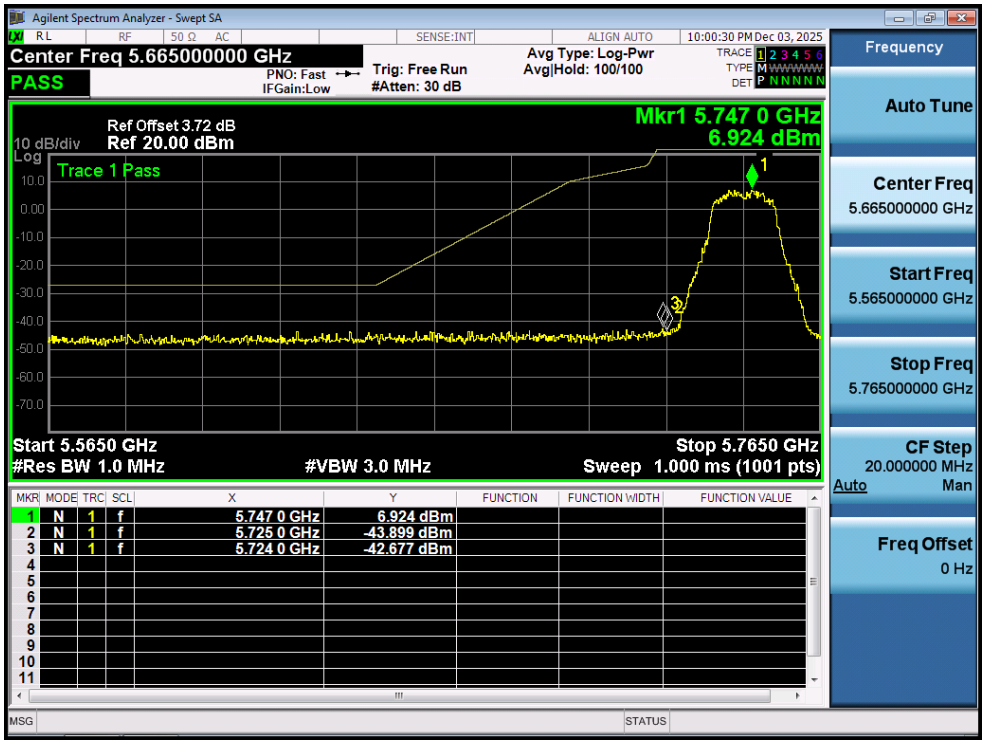
PSD NVNT ac80 5775MHz Ant A

Band Edge

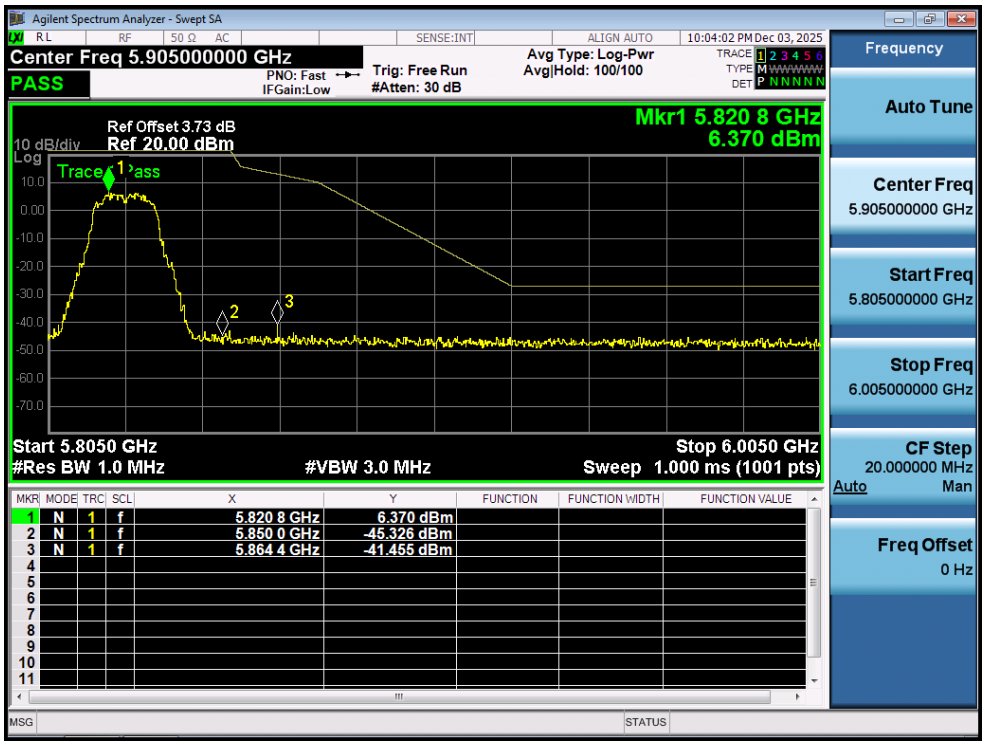
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant A	-42.67		Pass
		5825		-41.45		Pass
	n20	5745		-43.47		Pass
		5825		-44.53		Pass
	n40	5755		-43.28		Pass
		5795		-44.91		Pass
	ac20	5745		-42.85		Pass
		5825		-44.02		Pass
	ac40	5755		-43.17		Pass
		5795		-44.98		Pass
	ac80	5775		-45.74		Pass
				-38.97		Pass

Test Graphs

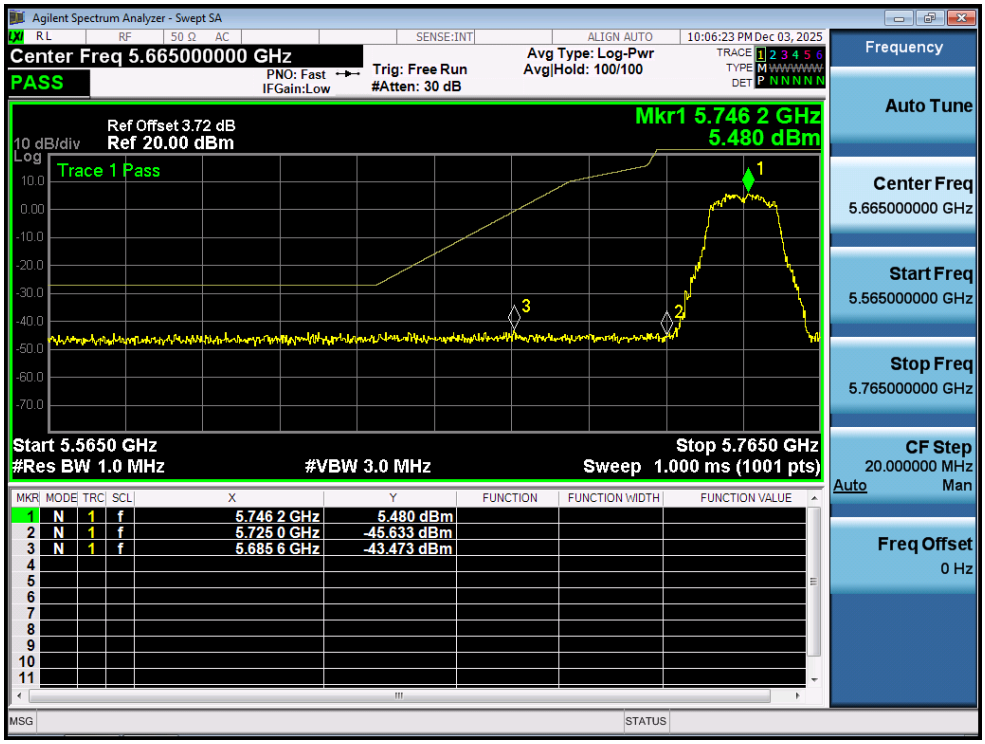
Band Edge NVNT a 5745MHz Low Ant A



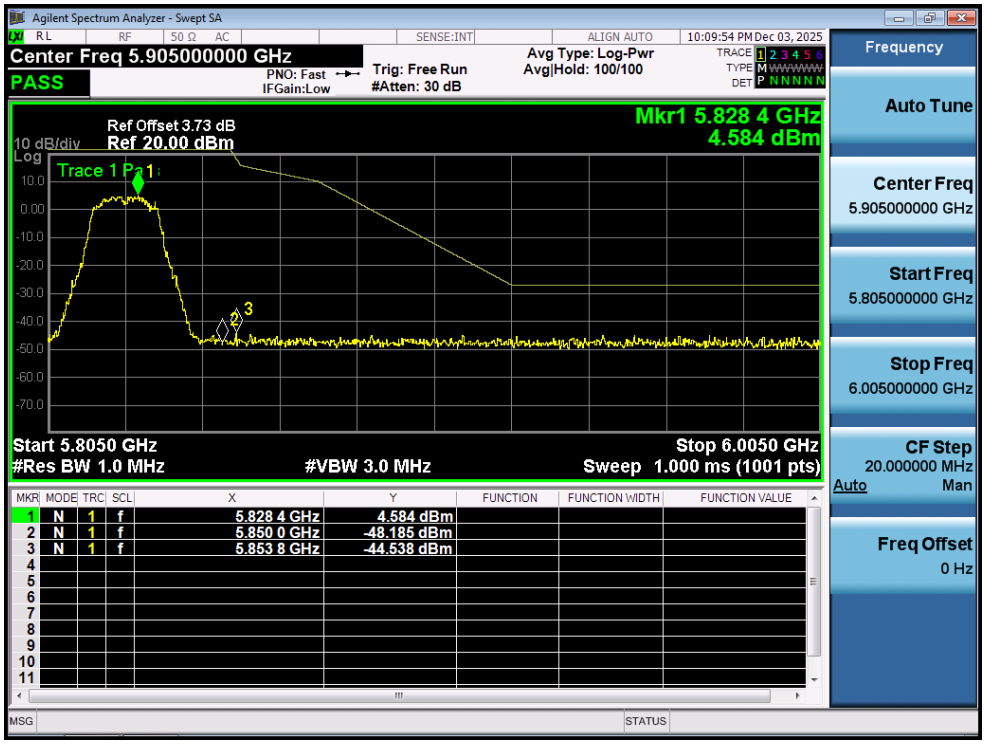
Band Edge NVNT a 5825MHz High Ant A



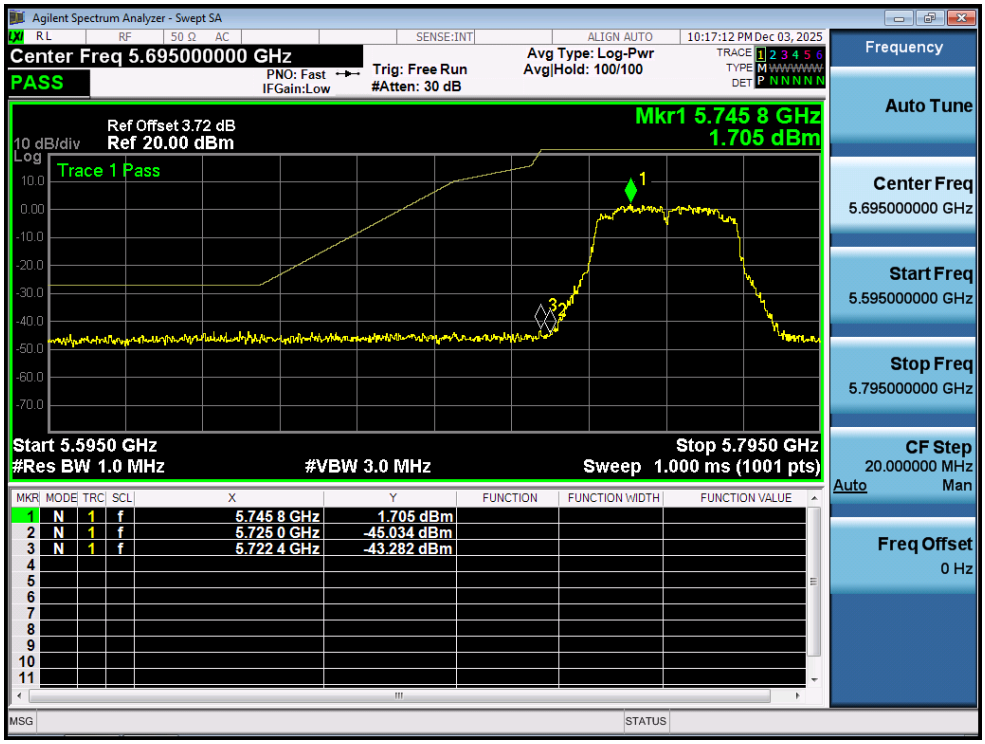
Band Edge NVNT n20 5745MHz Low Ant A



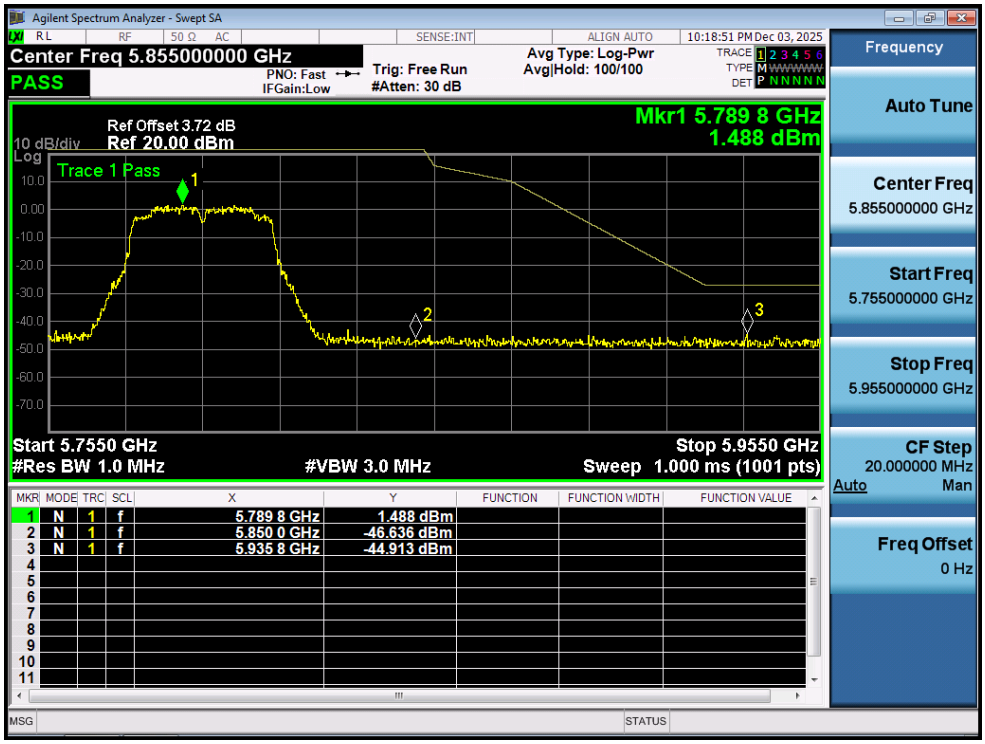
Band Edge NVNT n20 5825MHz High Ant A



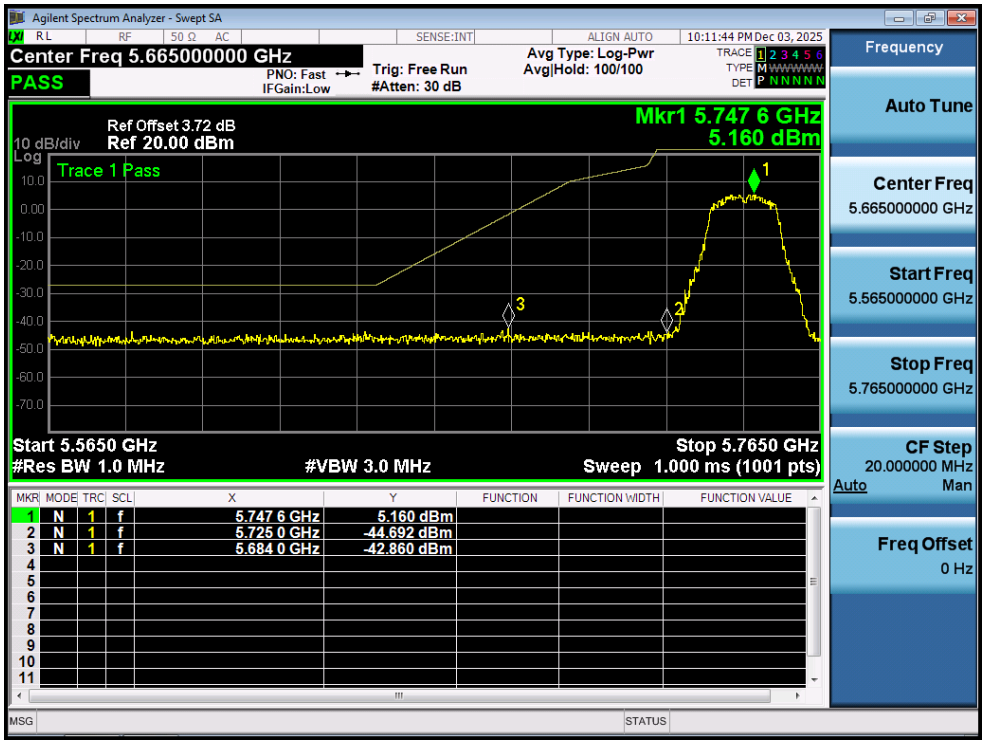
Band Edge NVNT n40 5755MHz Low Ant A



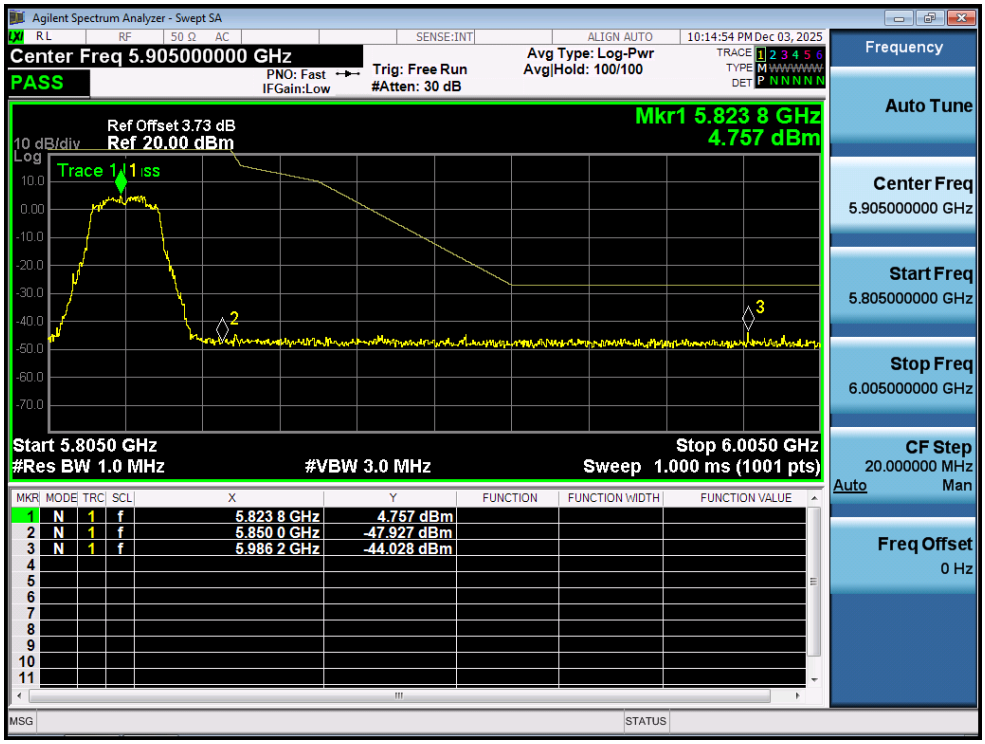
Band Edge NVNT n40 5795MHz High Ant A



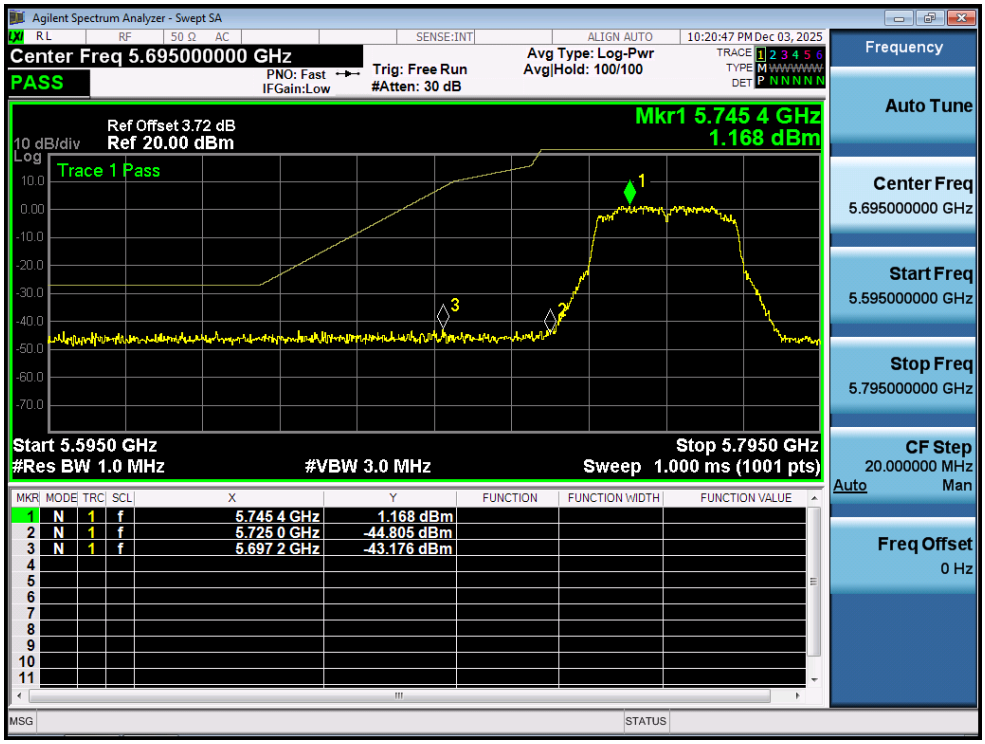
Band Edge NVNT ac20 5745MHz Low Ant A



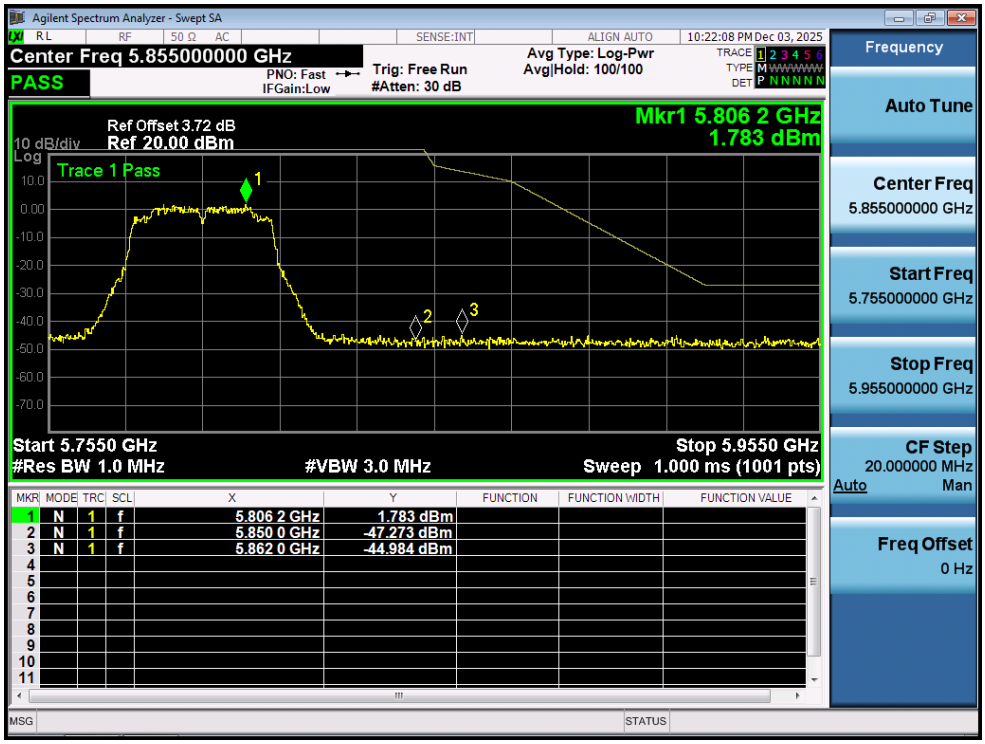
Band Edge NVNT ac20 5825MHz High Ant A



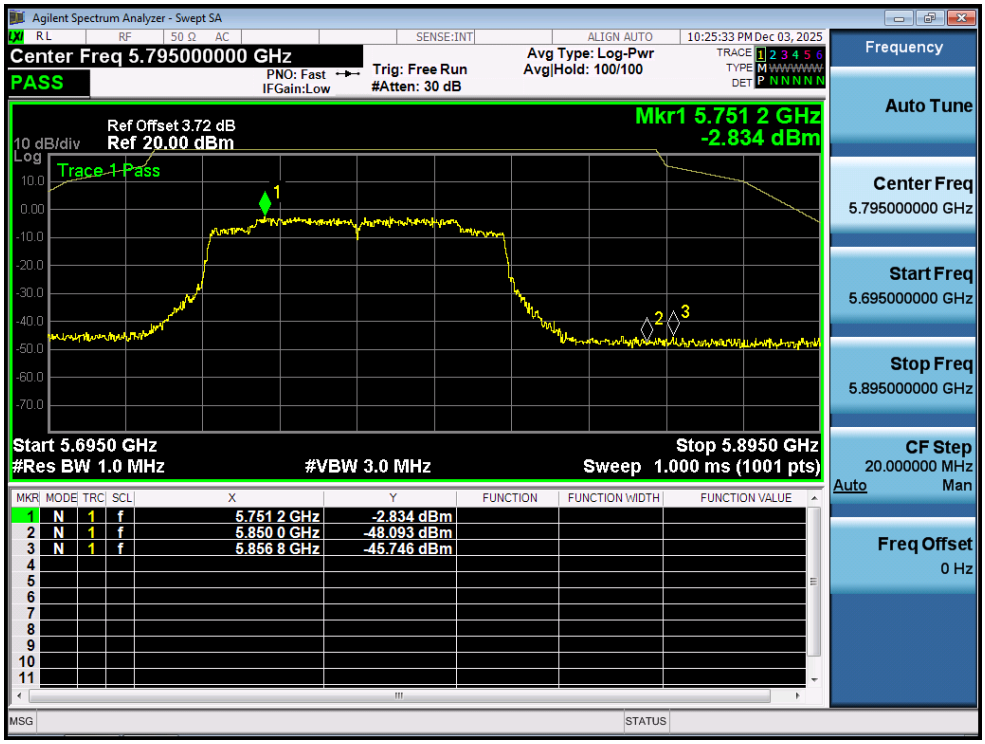
Band Edge NVNT ac40 5755MHz Low Ant A



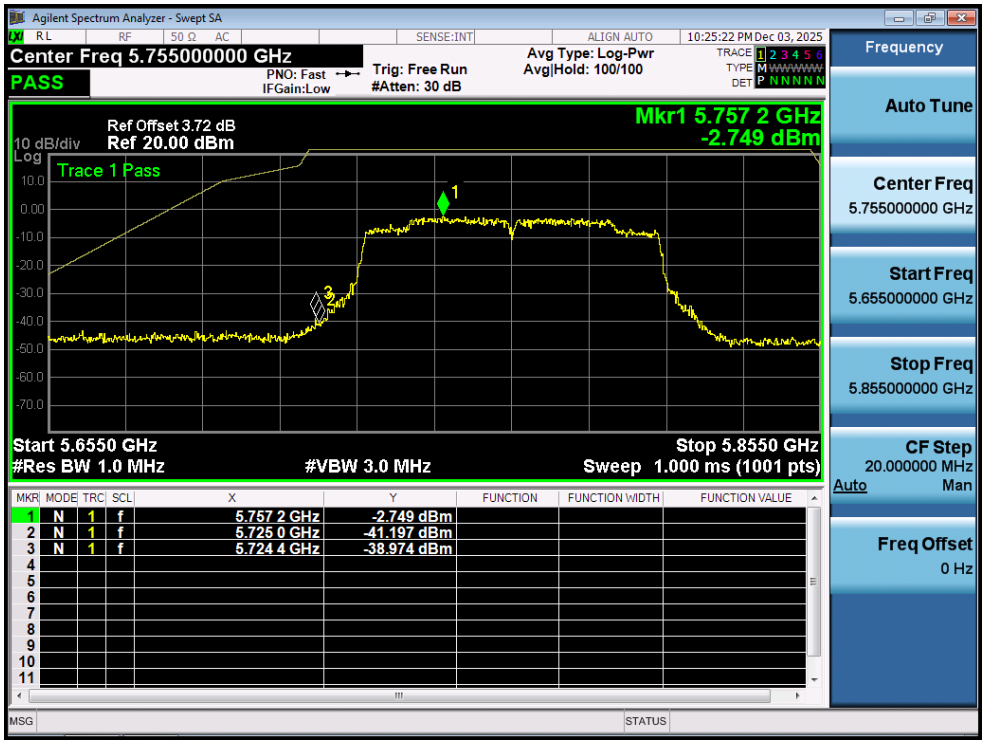
Band Edge NVNT ac40 5795MHz High Ant A



Band Edge NVNT ac80 5775MHz High Ant A



Band Edge NVNT ac80 5775MHz Low Ant A



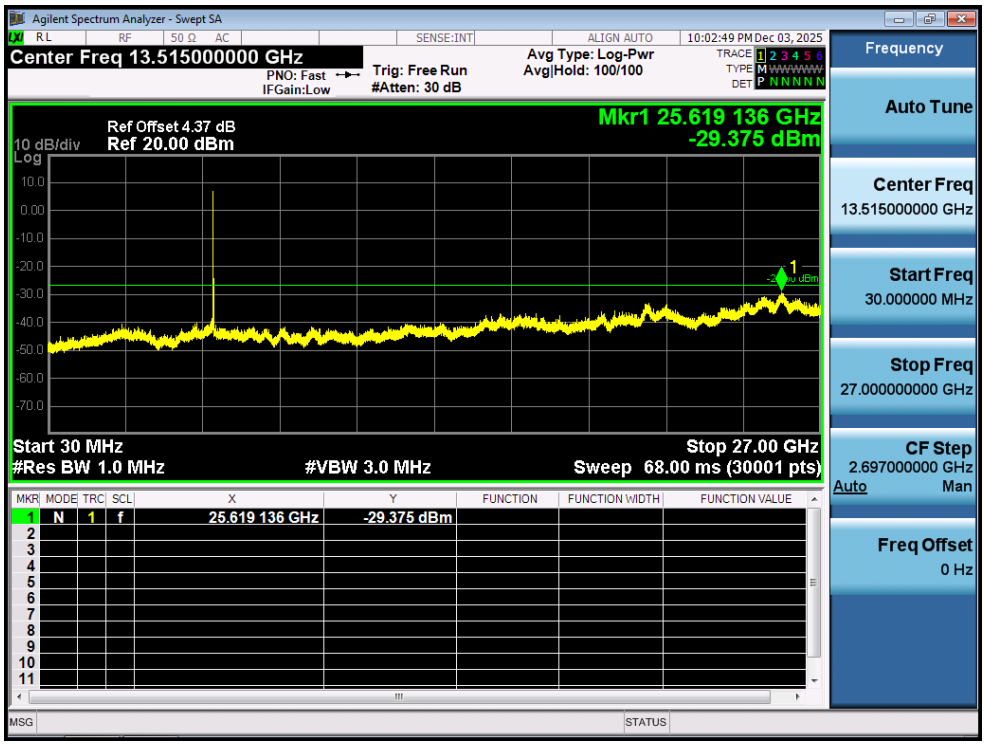
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant A	-28.54	-27	Pass
		5785		-29.37	-27	Pass
		5825		-29.38	-27	Pass
	n20	5745		-28.71	-27	Pass
		5785		-28.47	-27	Pass
		5825		-29.42	-27	Pass
	n40	5755		-29.25	-27	Pass
		5795		-29.14	-27	Pass
	ac20	5745		-28.45	-27	Pass
		5785		-29.18	-27	Pass
		5825		-29.05	-27	Pass
	ac40	5755		-28.75	-27	Pass
		5795		-28.79	-27	Pass
	ac80	5775		-28.56	-27	Pass

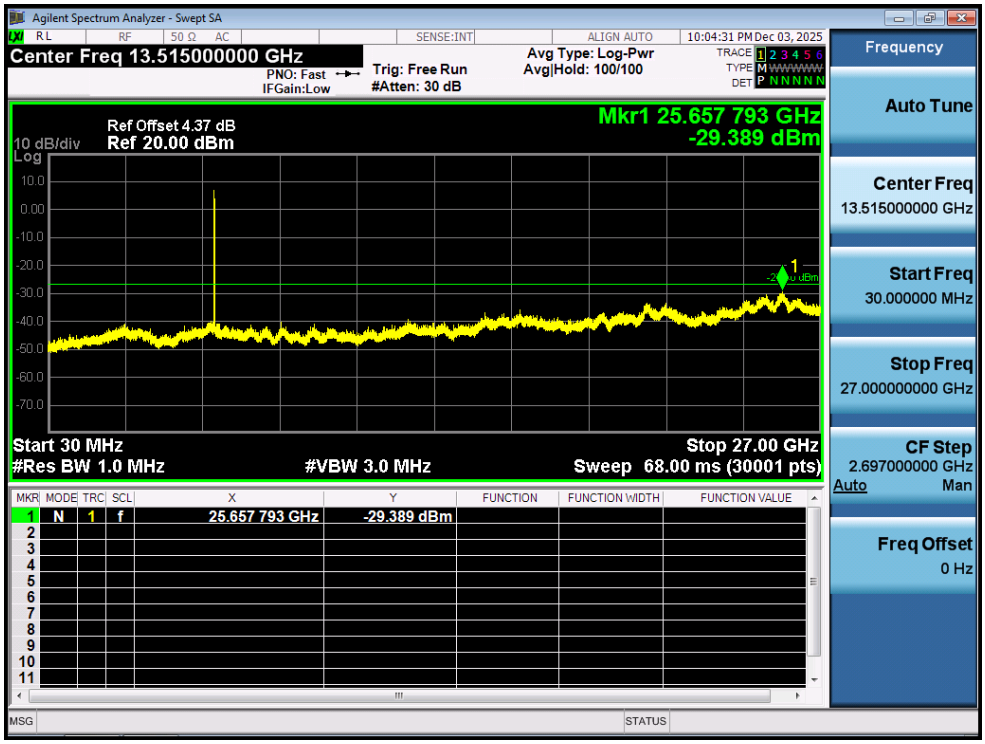
Test Graphs

Tx. Spurious NVNT a 5745MHz Ant A Emission

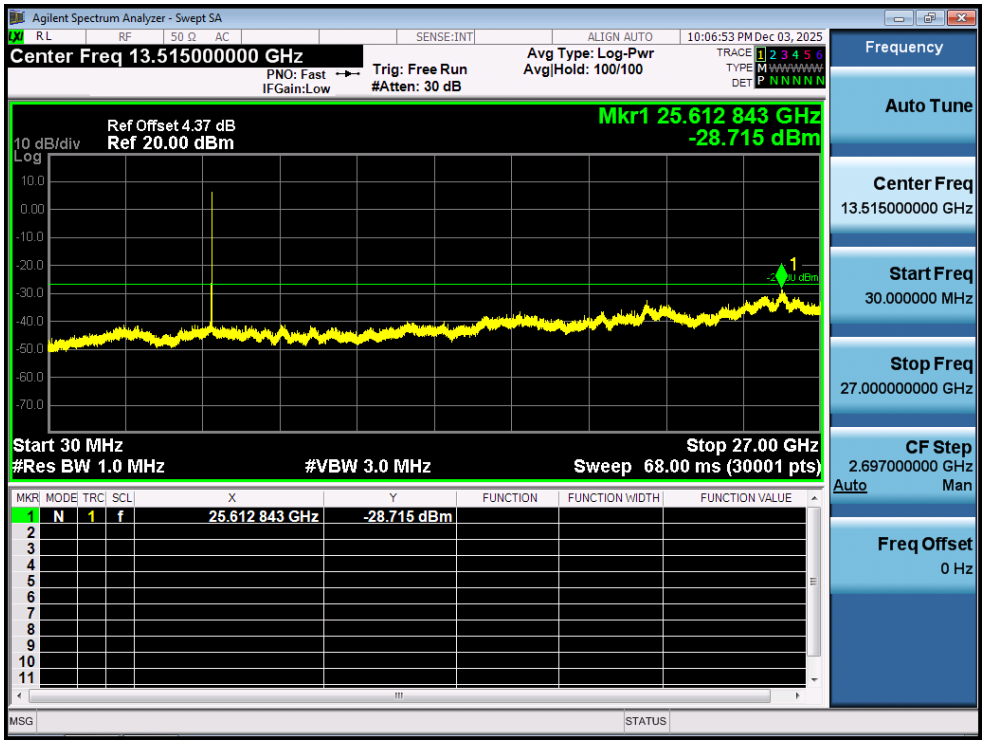
Tx. Spurious NVNT a 5785MHz Ant A Emission



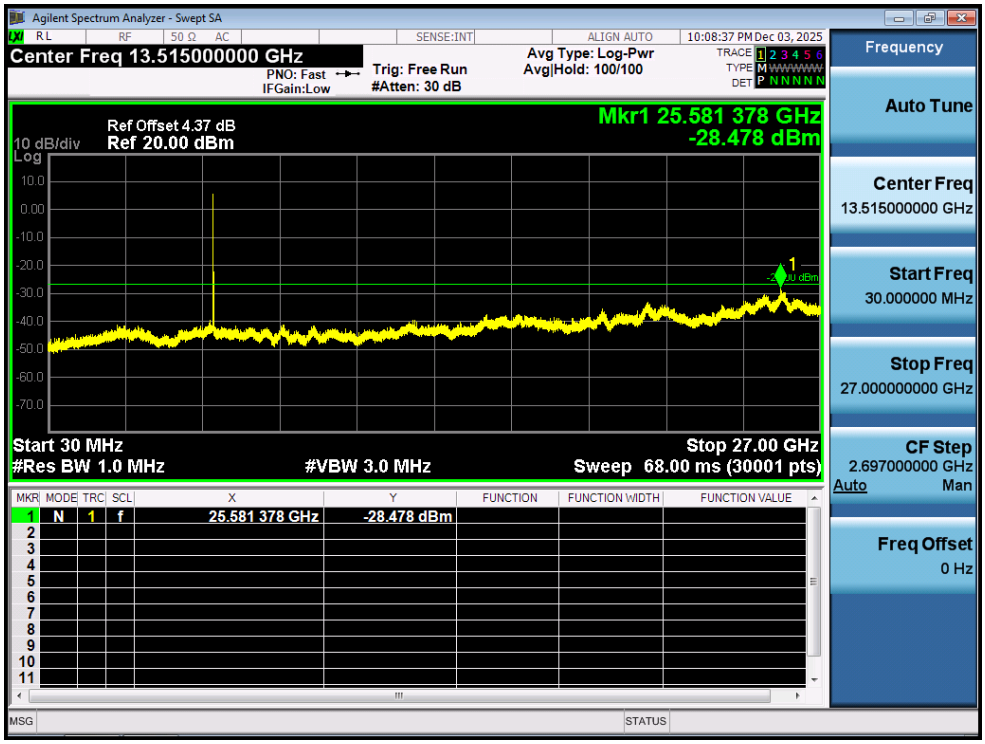
Tx. Spurious NVNT a 5825MHz Ant A Emission



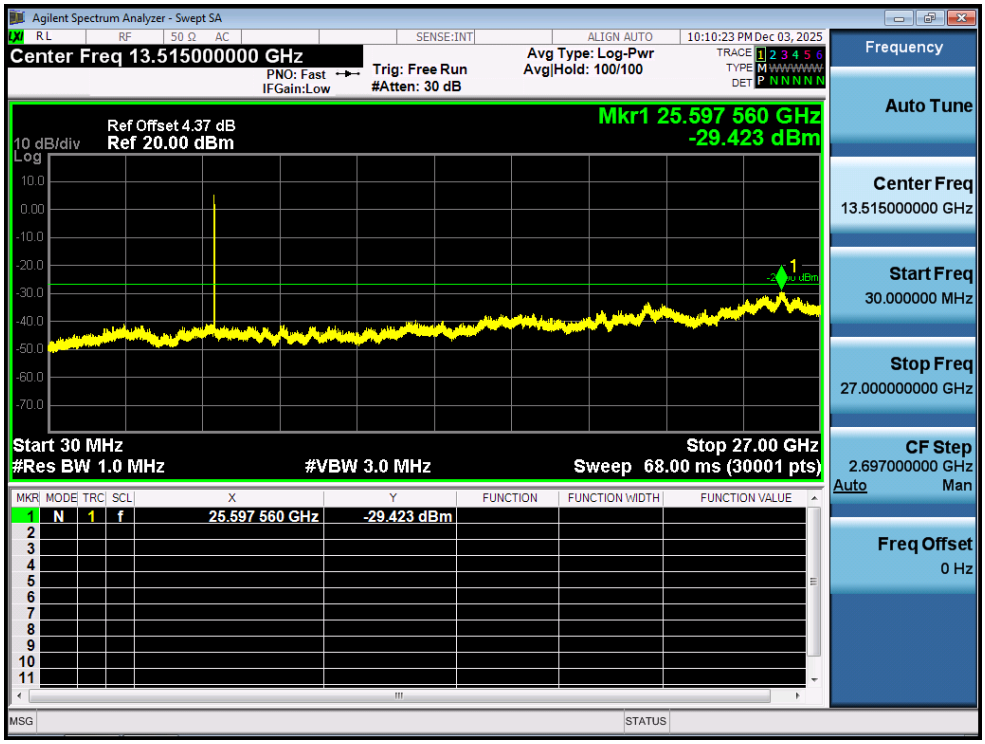
Tx. Spurious NVNT n20 5745MHz Ant A Emission



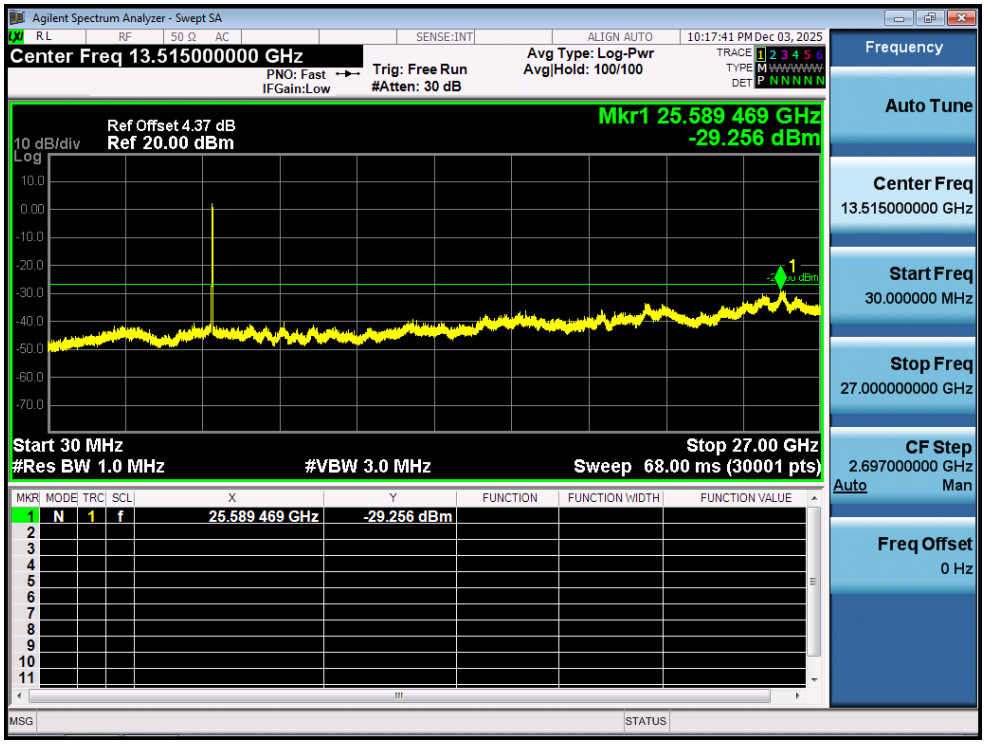
Tx. Spurious NVNT n20 5785MHz Ant A Emission



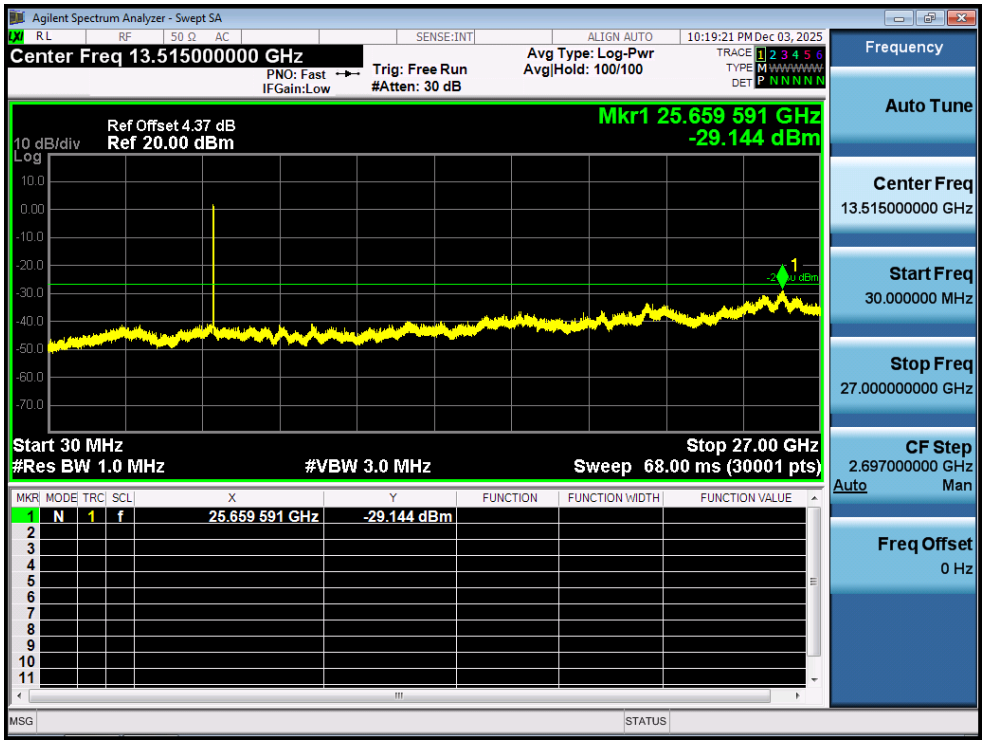
Tx. Spurious NVNT n20 5825MHz Ant A Emission



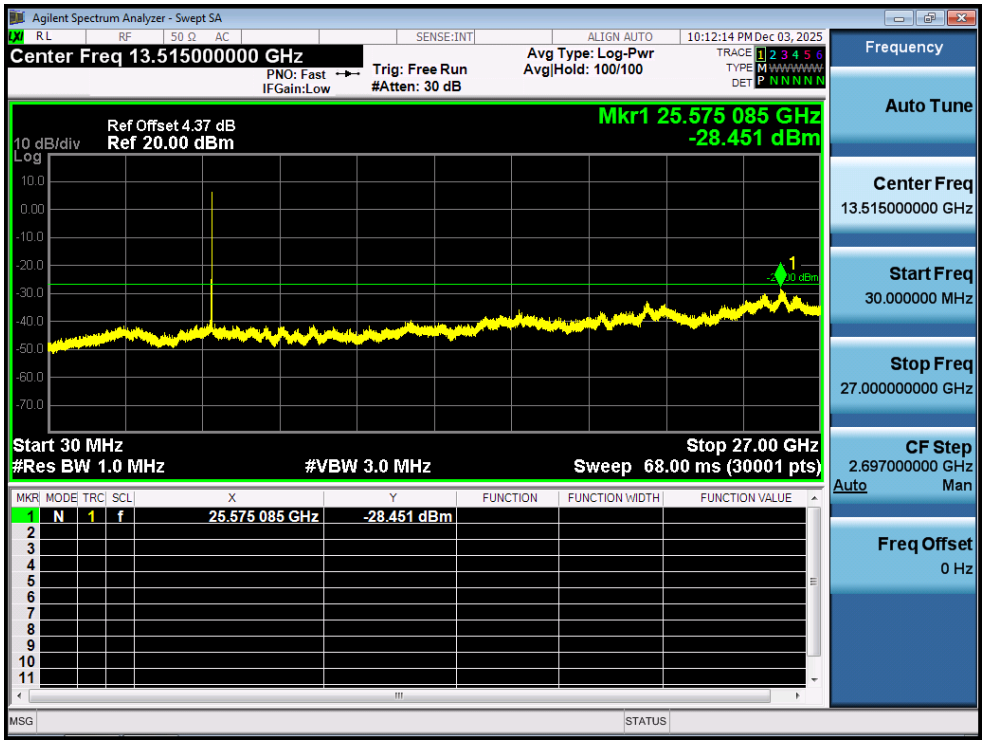
Tx. Spurious NVNT n40 5755MHz Ant A Emission



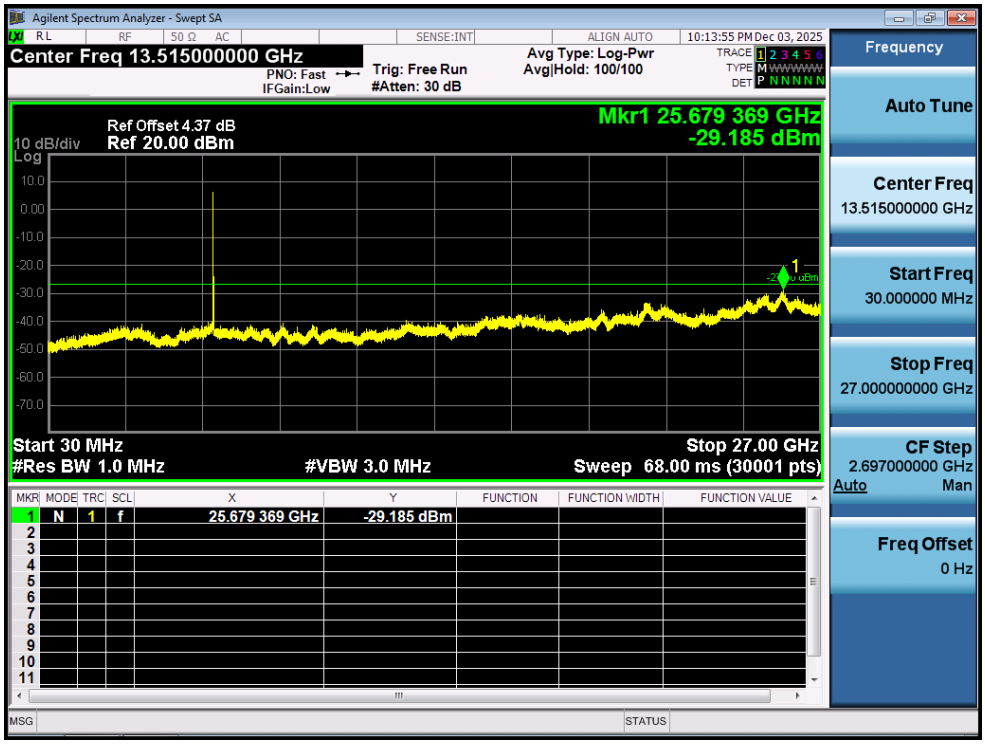
Tx. Spurious NVNT n40 5795MHz Ant A Emission



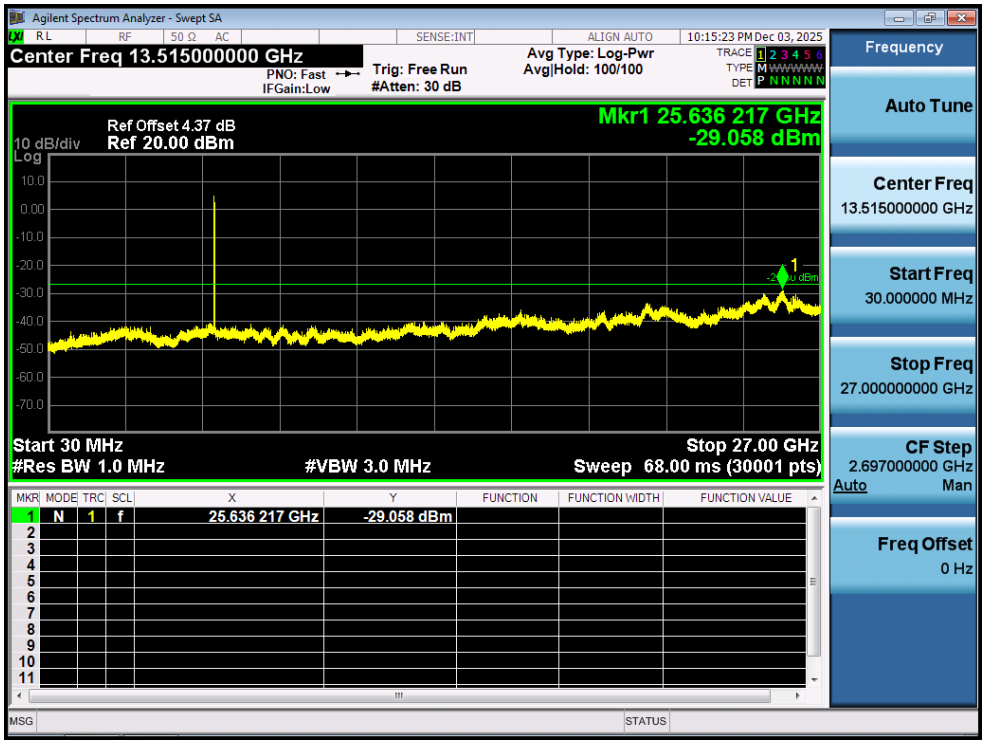
Tx. Spurious NVNT ac20 5745MHz Ant A Emission



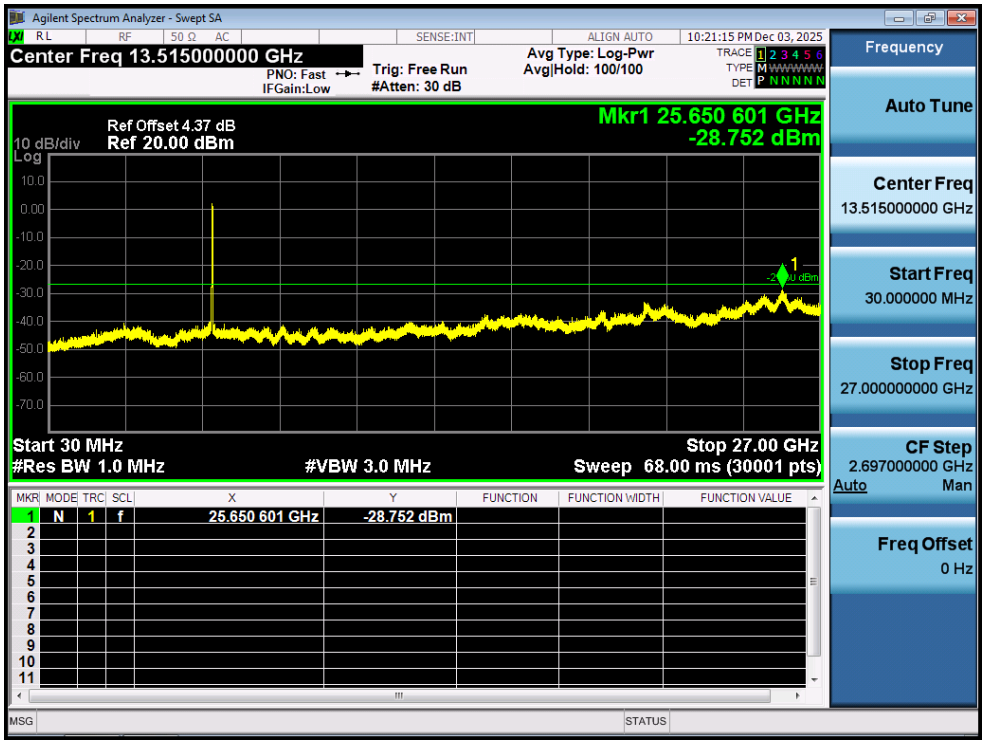
Tx. Spurious NVNT ac20 5785MHz Ant A Emission



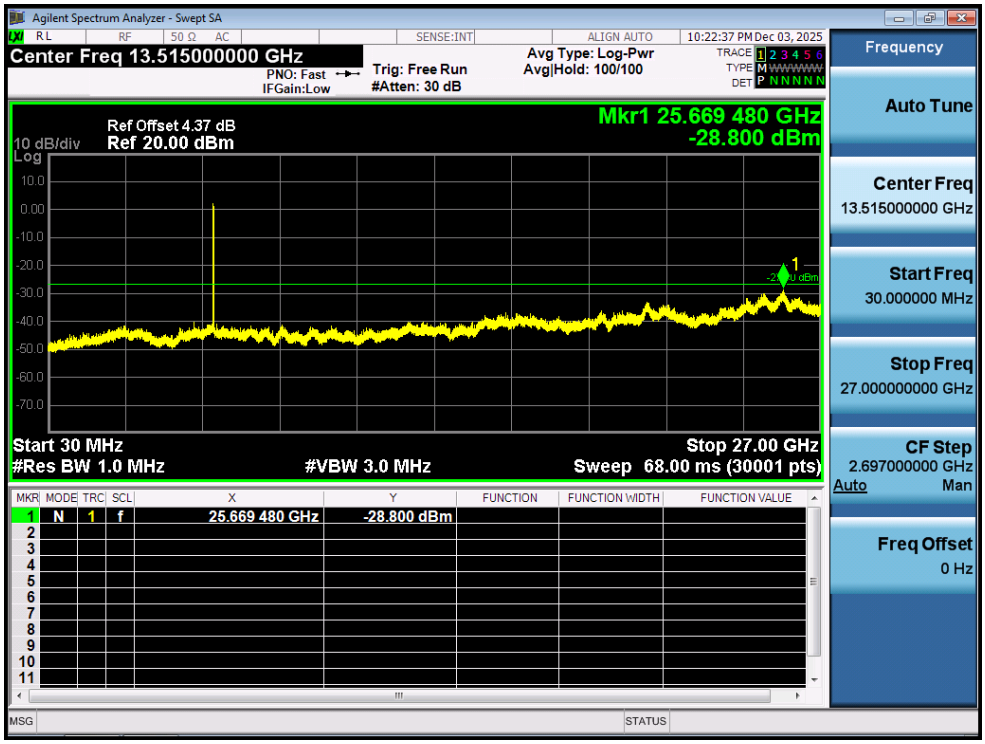
Tx. Spurious NVNT ac20 5825MHz Ant A Emission



Tx. Spurious NVNT ac40 5755MHz Ant A Emission



Tx. Spurious NVNT ac40 5795MHz Ant A Emission



Tx. Spurious NVNT ac80 5775MHz Ant A Emission