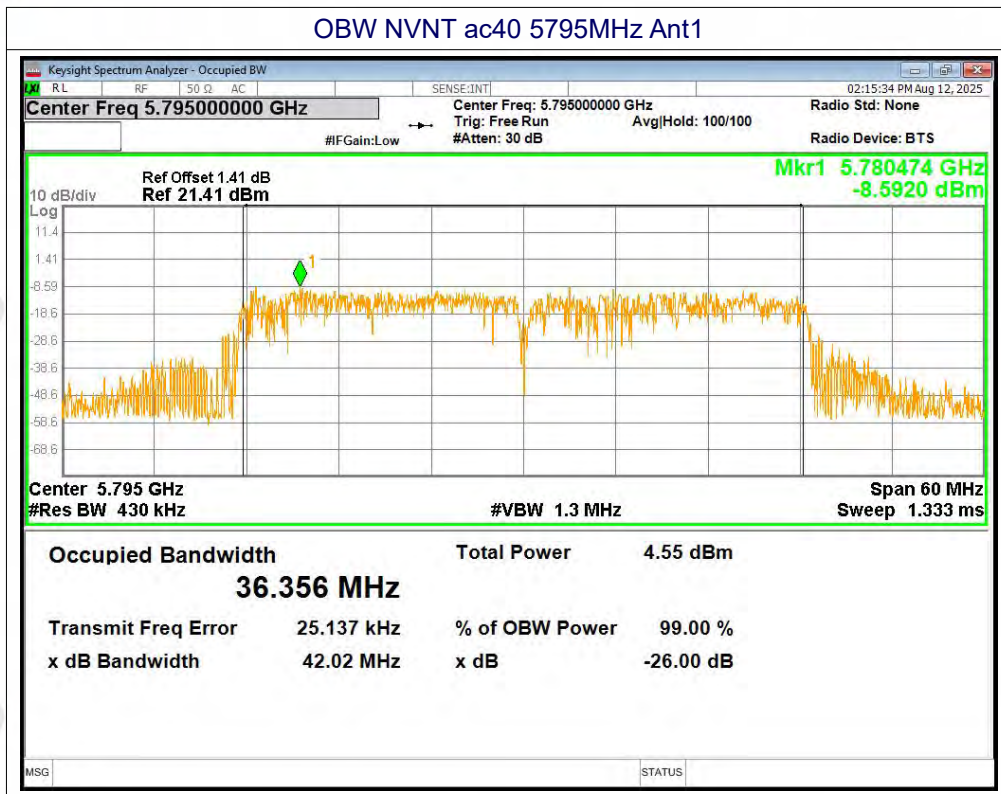






Maximum Power Spectral Density Level

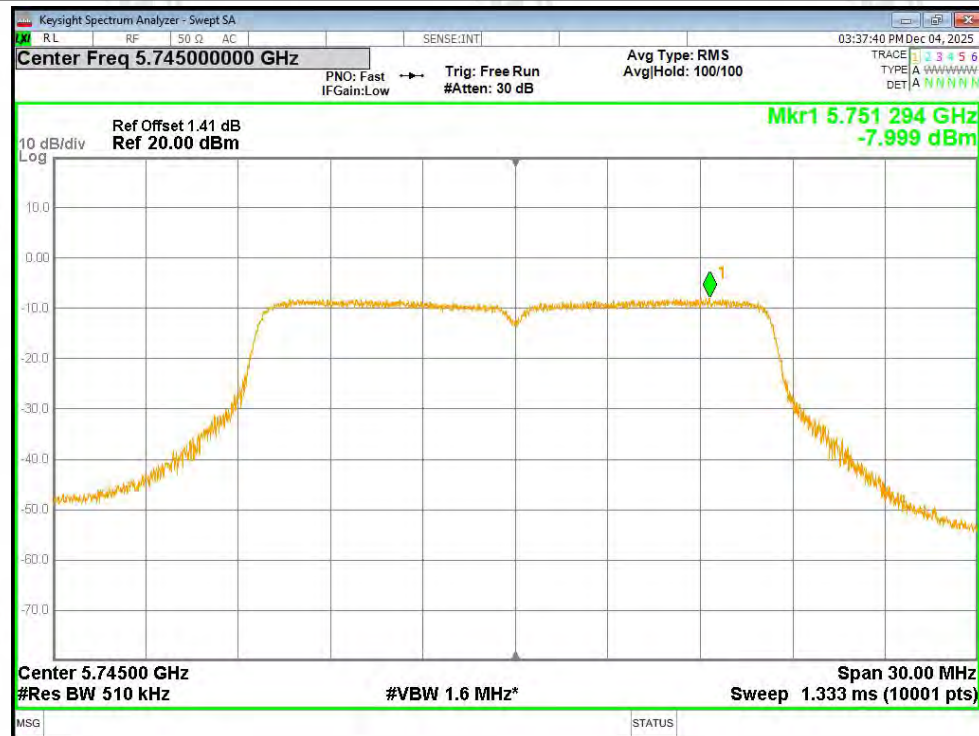
Mode	Frequency (MHz)	Antenna	Conducted PSD dBm/510KHz	Duty Factor (dB)	RB factor (dB)	Total PSD dBm/500KHz	Limit dBm/500KHz	Verdict
a	5745	Ant1	-8	12.41	-0.086	4.32	30	Pass
a	5785	Ant1	-7.93	12.41	-0.086	4.39	30	Pass
a	5825	Ant1	-7.86	12.34	-0.086	4.39	30	Pass
n20	5745	Ant1	-10.64	12.92	-0.086	2.19	30	Pass
n20	5785	Ant1	-10.23	12.99	-0.086	2.67	30	Pass
n20	5825	Ant1	-9.62	12.99	-0.086	3.28	30	Pass
n40	5755	Ant1	-14.26	15.82	-0.086	1.47	30	Pass
n40	5795	Ant1	-13.65	15.65	-0.086	1.91	30	Pass
ac20	5745	Ant1	-10.6	13.67	-0.086	2.98	30	Pass
ac20	5785	Ant1	-10.09	13.67	-0.086	3.49	30	Pass
ac20	5825	Ant1	-9.68	13.58	-0.086	3.81	30	Pass
ac40	5755	Ant1	-14.23	16.68	-0.086	2.36	30	Pass
ac40	5795	Ant1	-14.03	16.68	-0.086	2.56	30	Pass

RB factor = $10 \lg (\text{Measure RB} / 500)$, Measure RB = 510 kHz

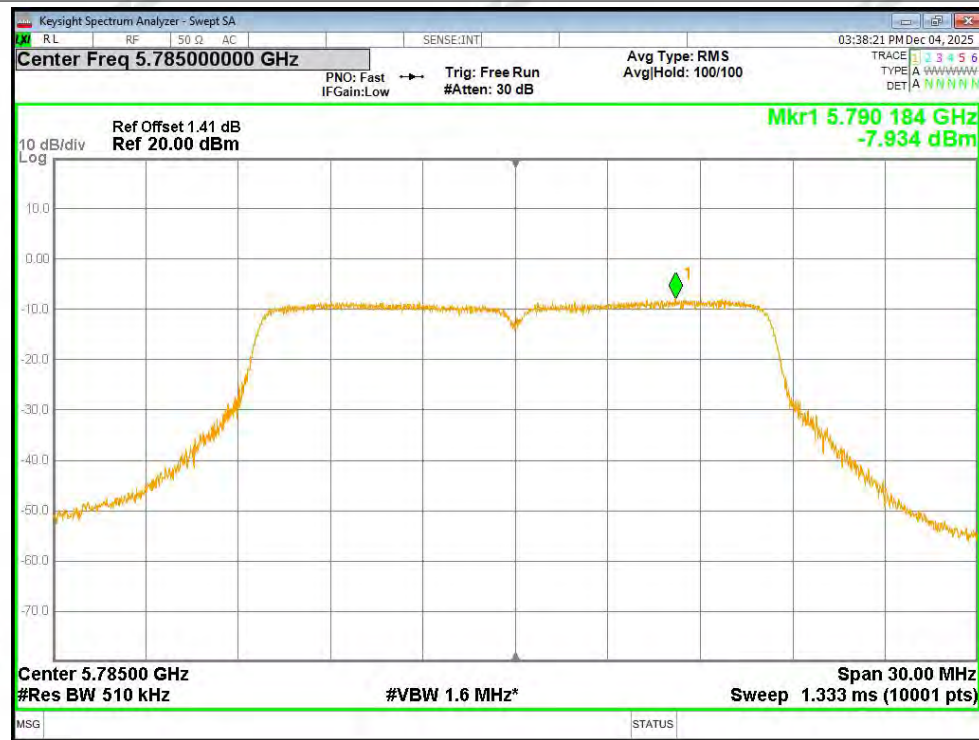
Total PSD = Conducted PSD + Duty factor(dB) + RB factor(dB)

Test Graphs

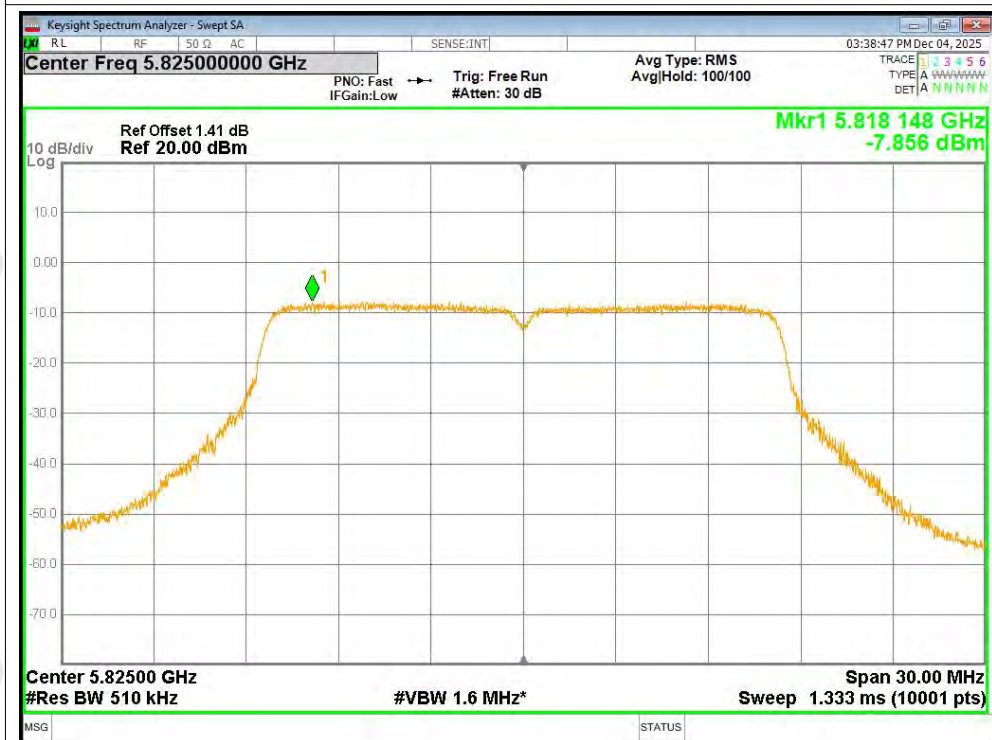
PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1



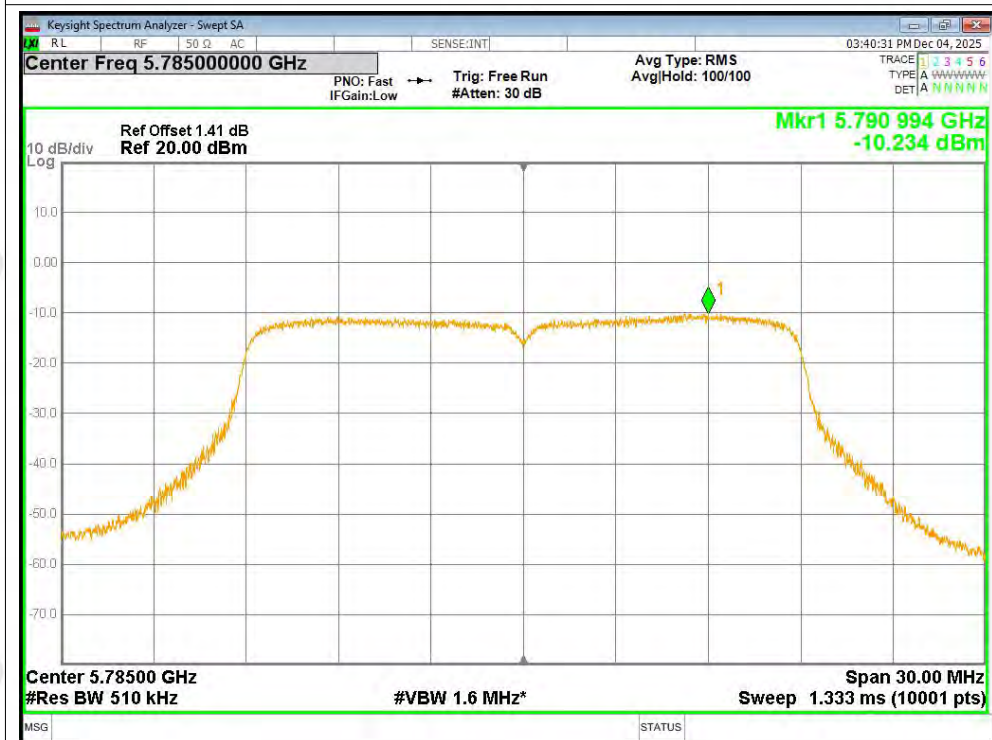
PSD NVNT a 5825MHz Ant1



PSD NVNT n20 5745MHz Ant1



PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1



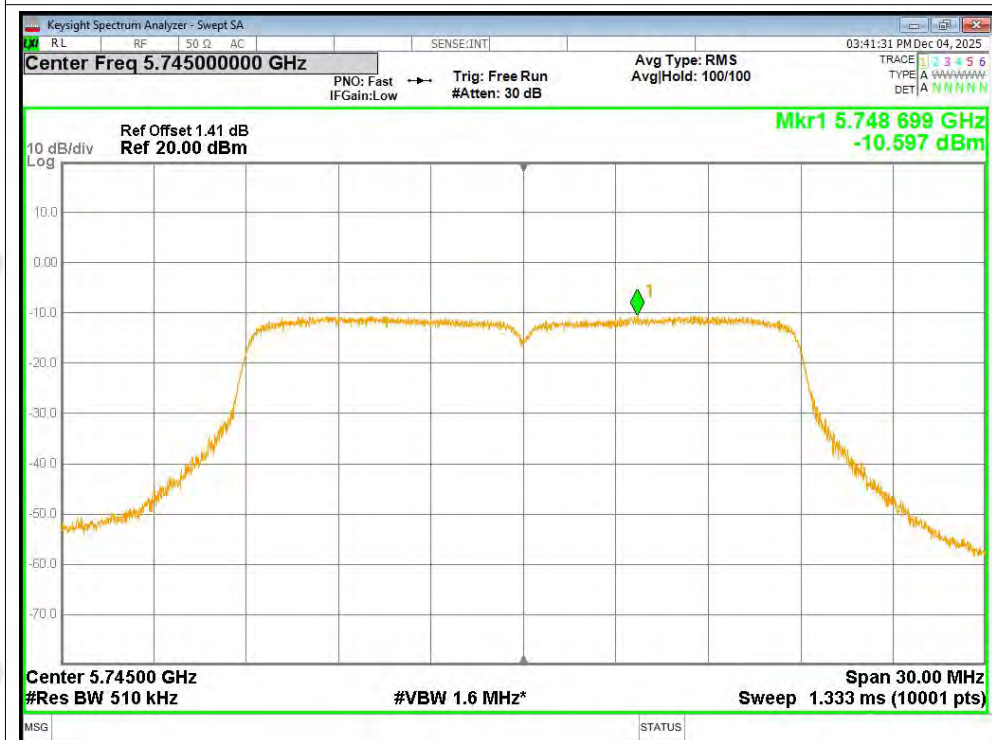
PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1



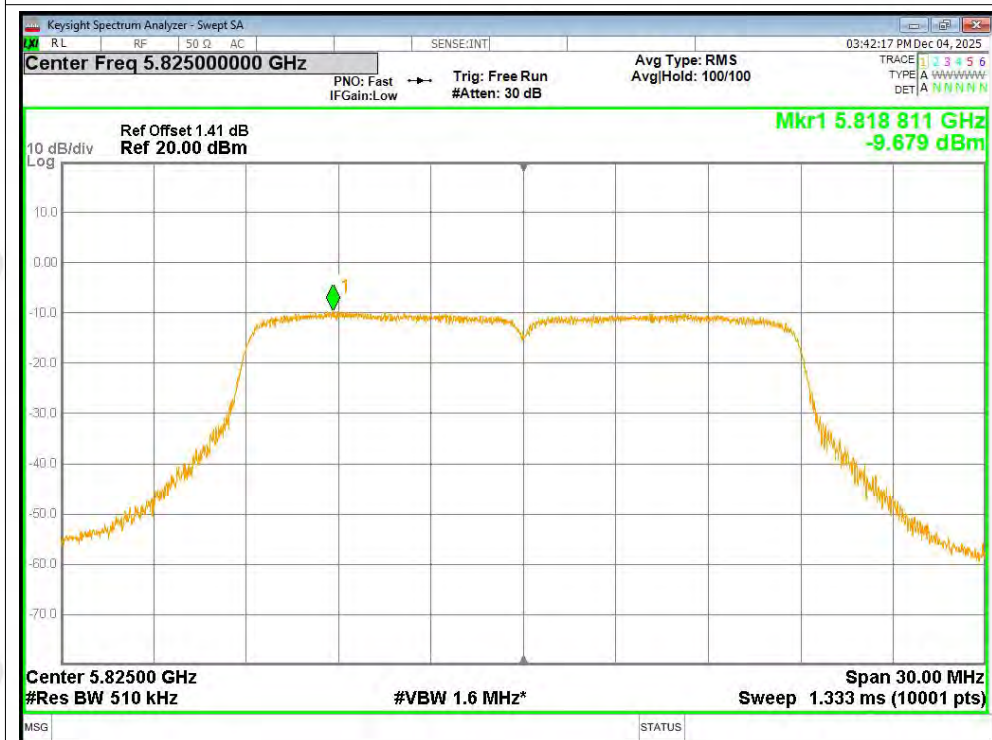
PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1

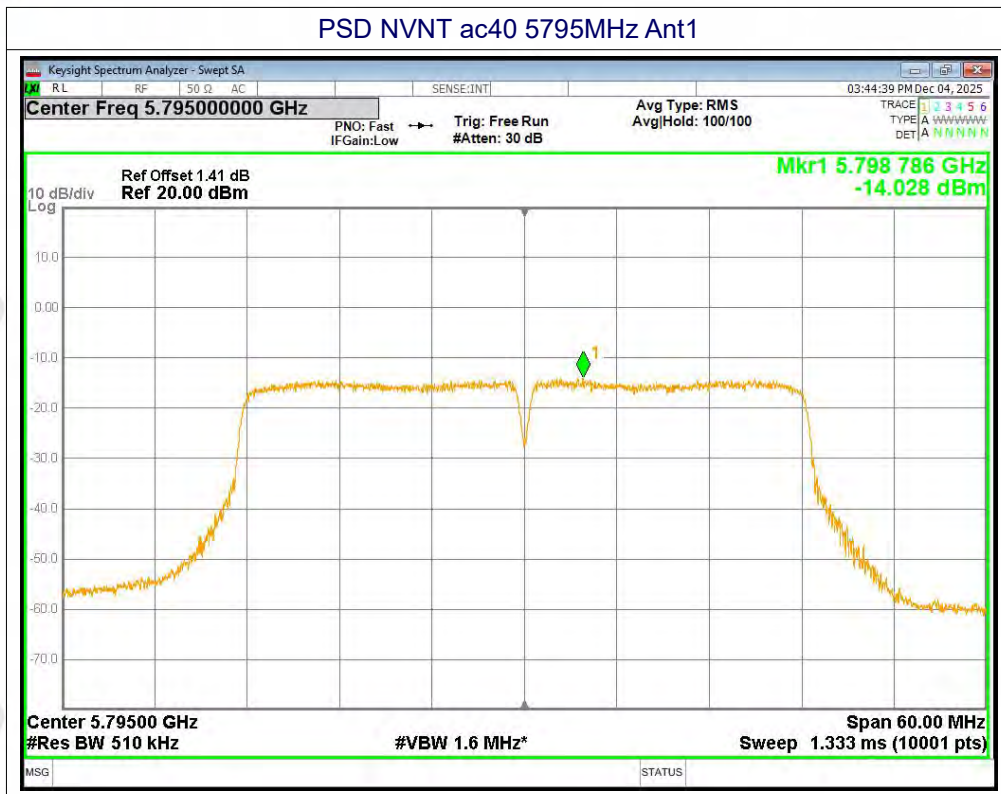


PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5755MHz Ant1





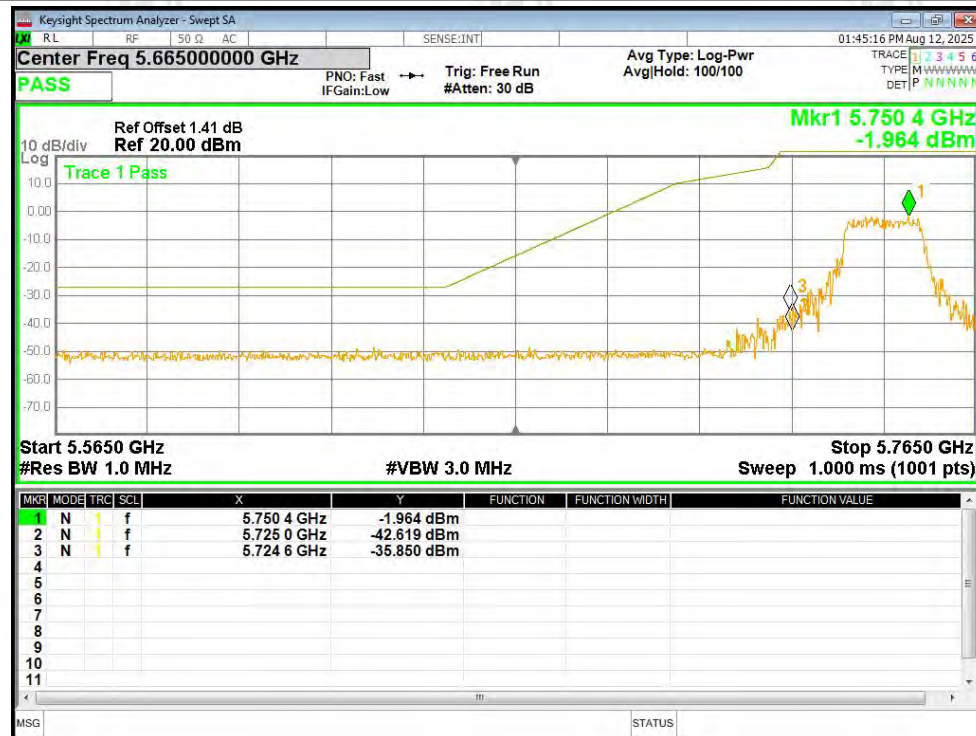


Band Edge

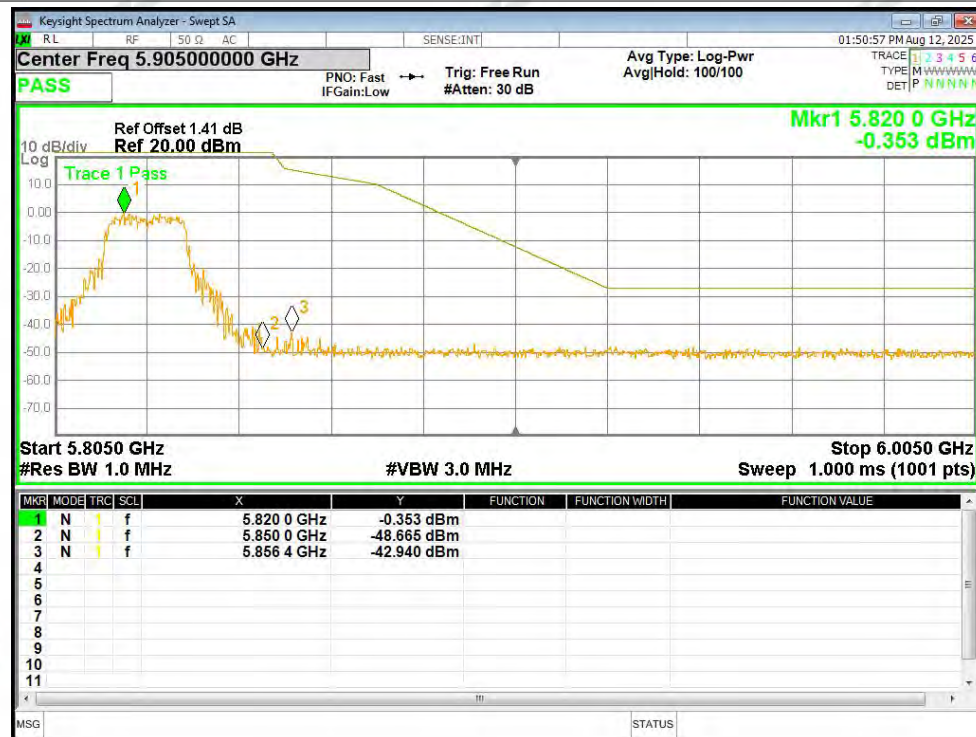
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	ANT Gain (dBi)	EIRP Value (dBc)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-35.85	1.56	-34.29	Refer to the test chart	Pass
NVNT	a	5825	Ant1	-42.93	1.56	-41.37	Refer to the test chart	Pass
NVNT	n20	5745	Ant1	-31.42	1.56	-29.86	Refer to the test chart	Pass
NVNT	n20	5825	Ant1	-46.12	1.56	-44.56	Refer to the test chart	Pass
NVNT	n40	5755	Ant1	-32.8	1.56	-31.24	Refer to the test chart	Pass
NVNT	n40	5795	Ant1	-48.37	1.56	-46.81	Refer to the test chart	Pass
NVNT	ac20	5745	Ant1	-33	1.56	-31.44	Refer to the test chart	Pass
NVNT	ac20	5825	Ant1	-48.13	1.56	-46.57	Refer to the test chart	Pass
NVNT	ac40	5755	Ant1	-37.82	1.56	-36.26	Refer to the test chart	Pass
NVNT	ac40	5795	Ant1	-47.49	1.56	-45.93	Refer to the test chart	Pass

Test Graphs

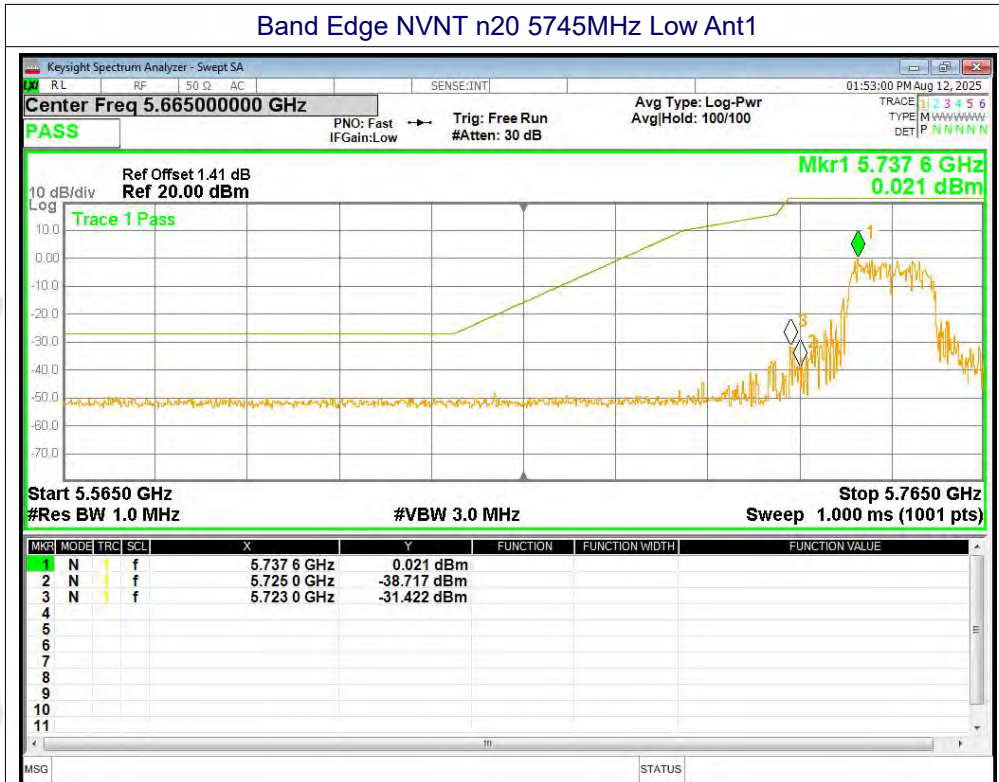
Band Edge NVNT a 5745MHz Low Ant1



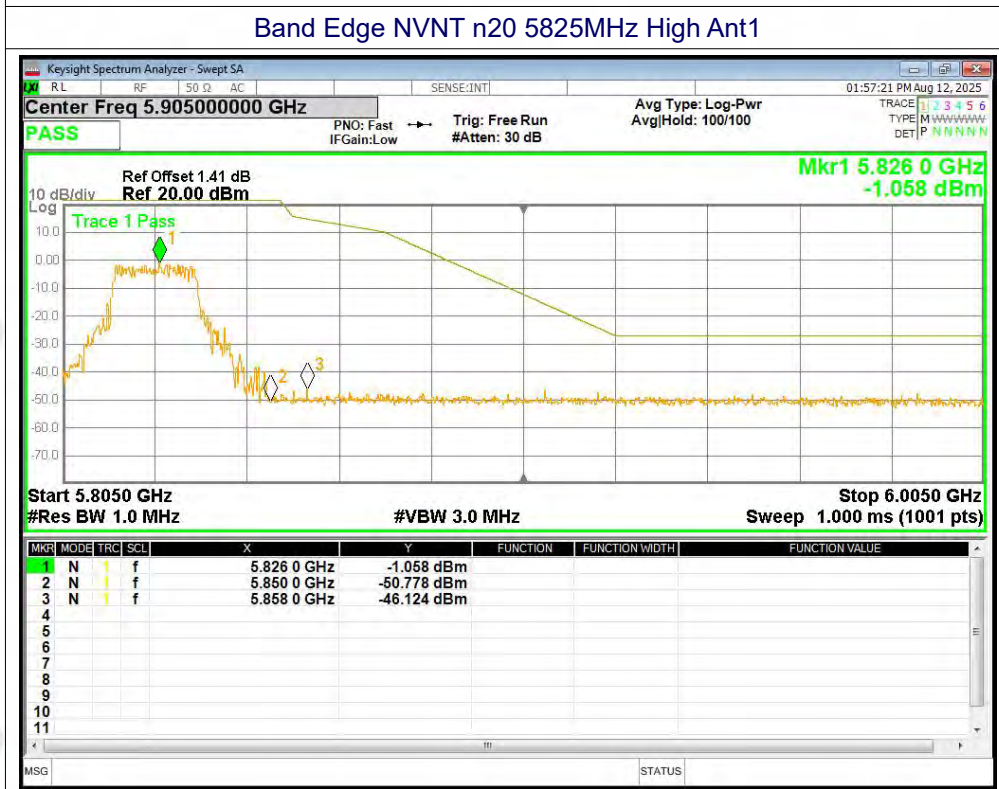
Band Edge NVNT a 5825MHz High Ant1



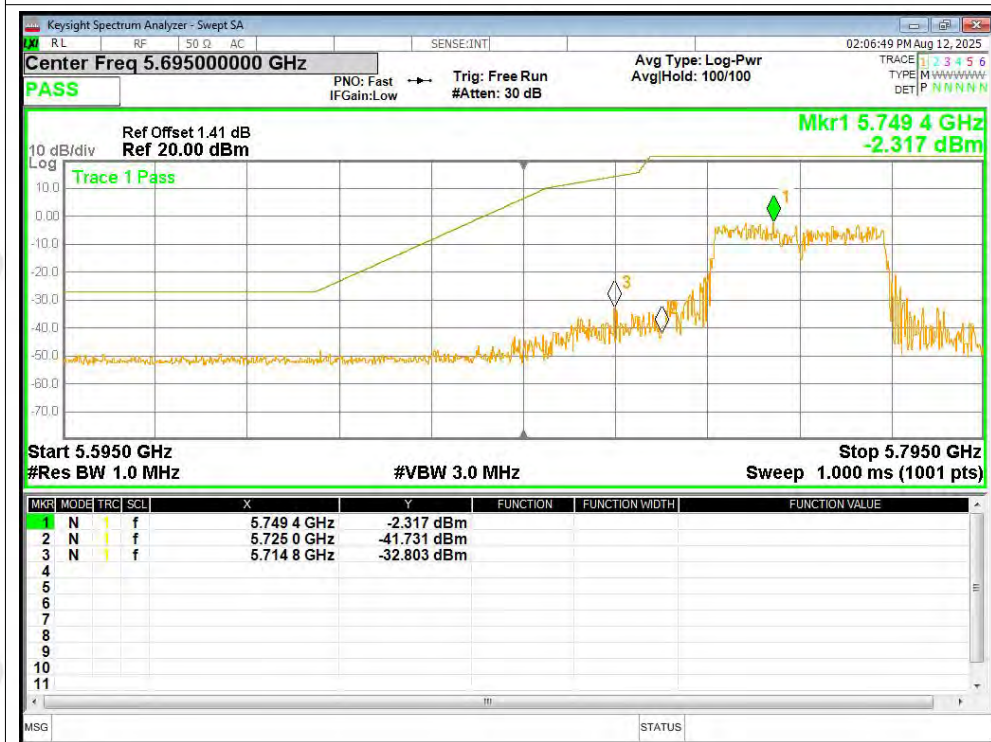
Band Edge NVNT n20 5745MHz Low Ant1



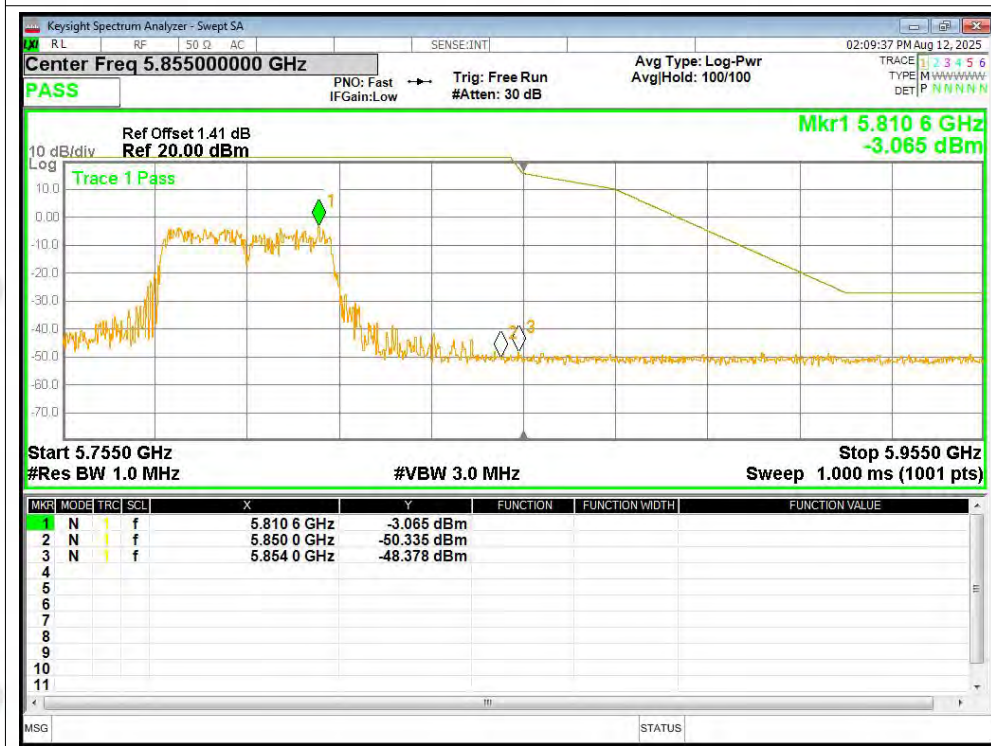
Band Edge NVNT n20 5825MHz High Ant1



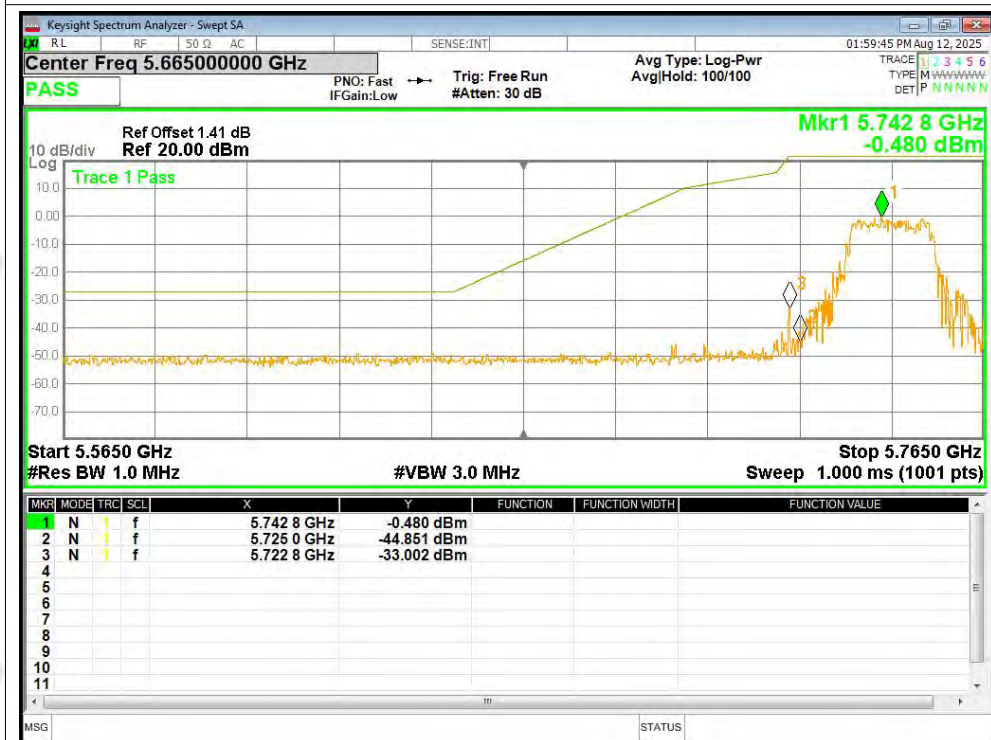
Band Edge NVNT n40 5755MHz Low Ant1



Band Edge NVNT n40 5795MHz High Ant1



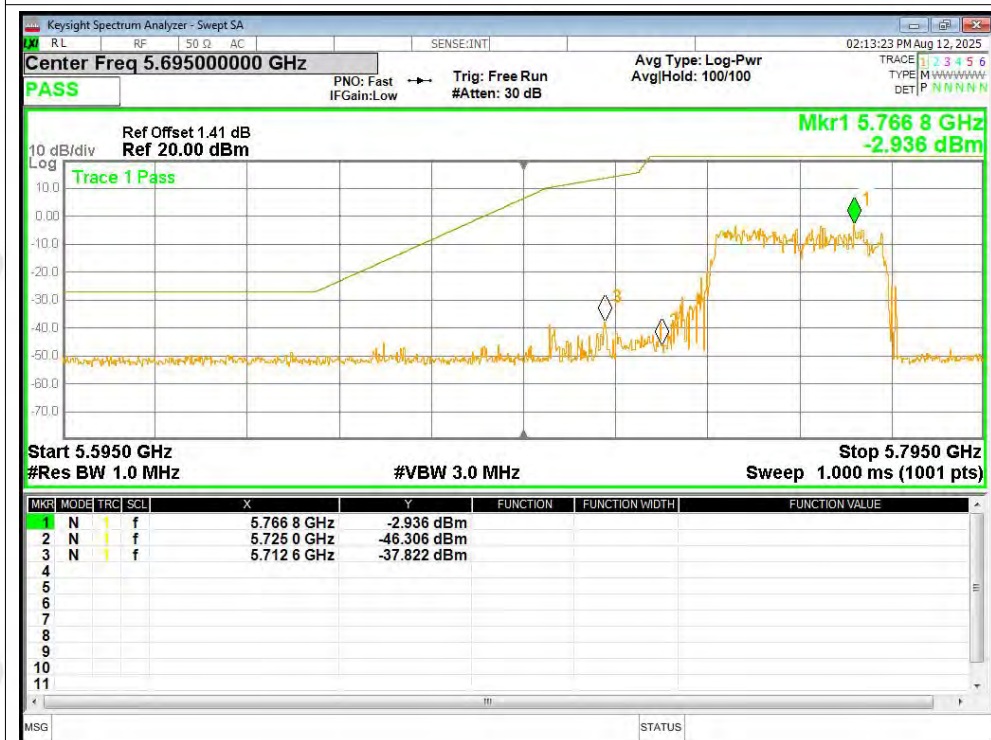
Band Edge NVNT ac20 5745MHz Low Ant1



Band Edge NVNT ac20 5825MHz High Ant1



Band Edge NVNT ac40 5755MHz Low Ant1



Band Edge NVNT ac40 5795MHz High Ant1





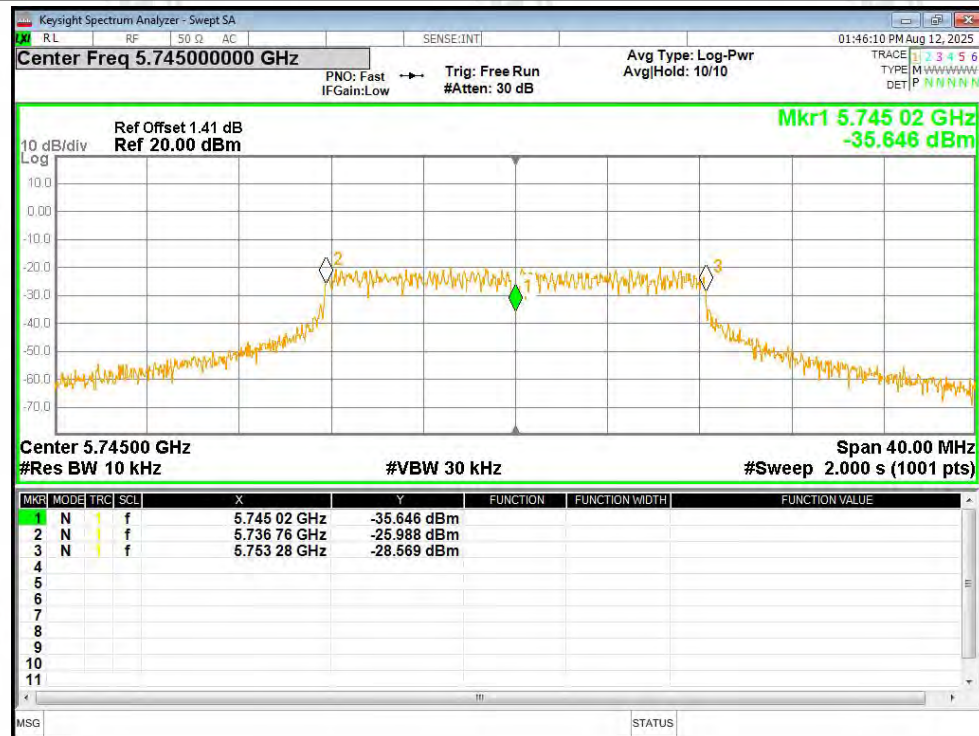
Frequency Stability

Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
a	5745	Ant1	5745.02	20000	3.48	Within 5745-5825MHz	Pass
a	5785	Ant1	5785	0	0		Pass
a	5825	Ant1	5825	0	0		Pass
n20	5745	Ant1	5745	0	0		Pass
n20	5785	Ant1	5785	0	0		Pass
n20	5825	Ant1	5824.98	-20000	-3.43	Within 5755-5795MHz	Pass
n40	5755	Ant1	5754.96	-40000	-6.95		Pass
n40	5795	Ant1	5795.04	40000	6.9		Pass
ac20	5745	Ant1	5745.02	20000	3.48	Within 5745-5825MHz	Pass
ac20	5785	Ant1	5785	0	0		Pass
ac20	5825	Ant1	5825.02	20000	3.43		Pass
ac40	5755	Ant1	5755	0	0	Within 5755-5795MHz	Pass
ac40	5795	Ant1	5795	0	0		Pass

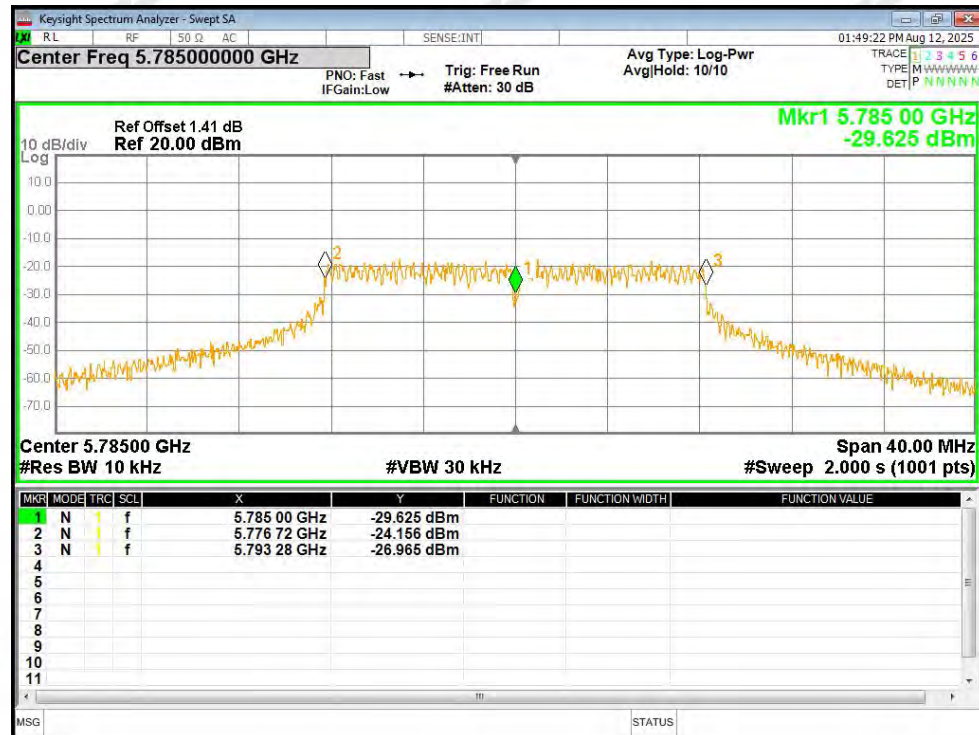
Note: Test temperature: -20° to + 70°. At room temperature, the test results are the worst, only reflecting the test results graphs at room temperature.

Test Graphs

Freq. Stability NVNT a 5745MHz Ant1



Freq. Stability NVNT a 5785MHz Ant1



Freq. Stability NVNT a 5825MHz Ant1



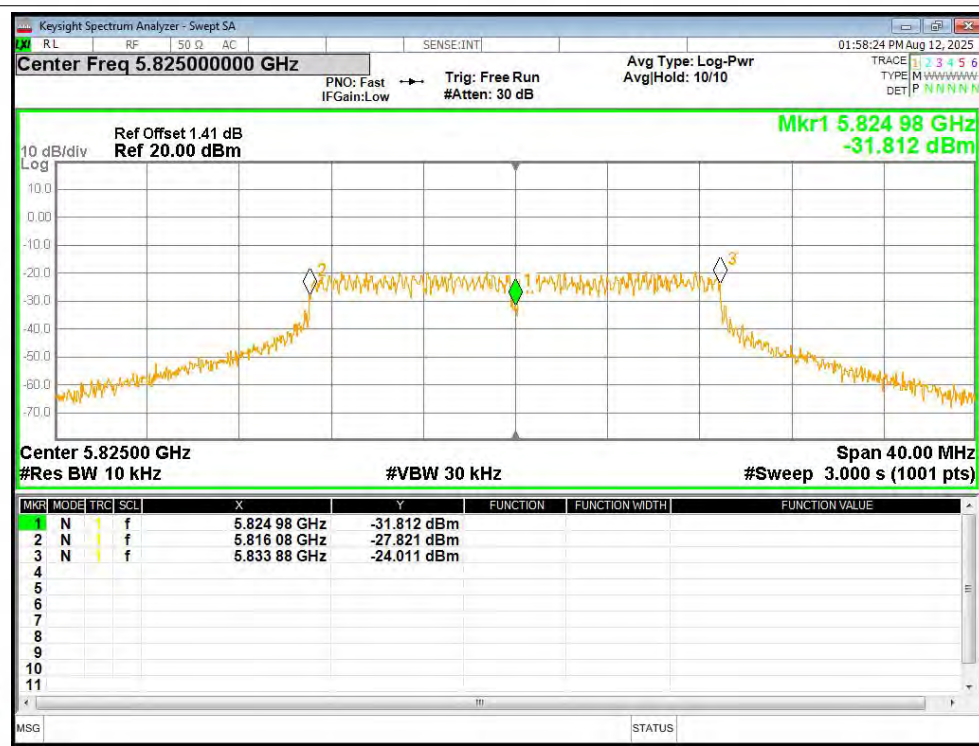
Freq. Stability NVNT n20 5745MHz Ant1



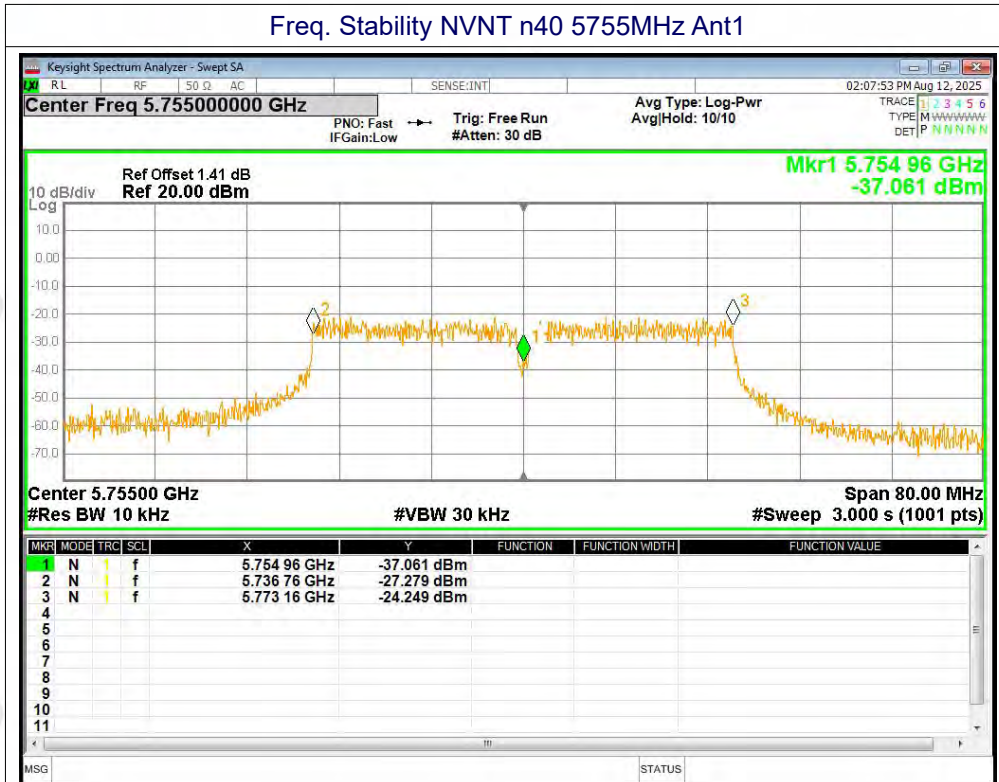
Freq. Stability NVNT n20 5785MHz Ant1



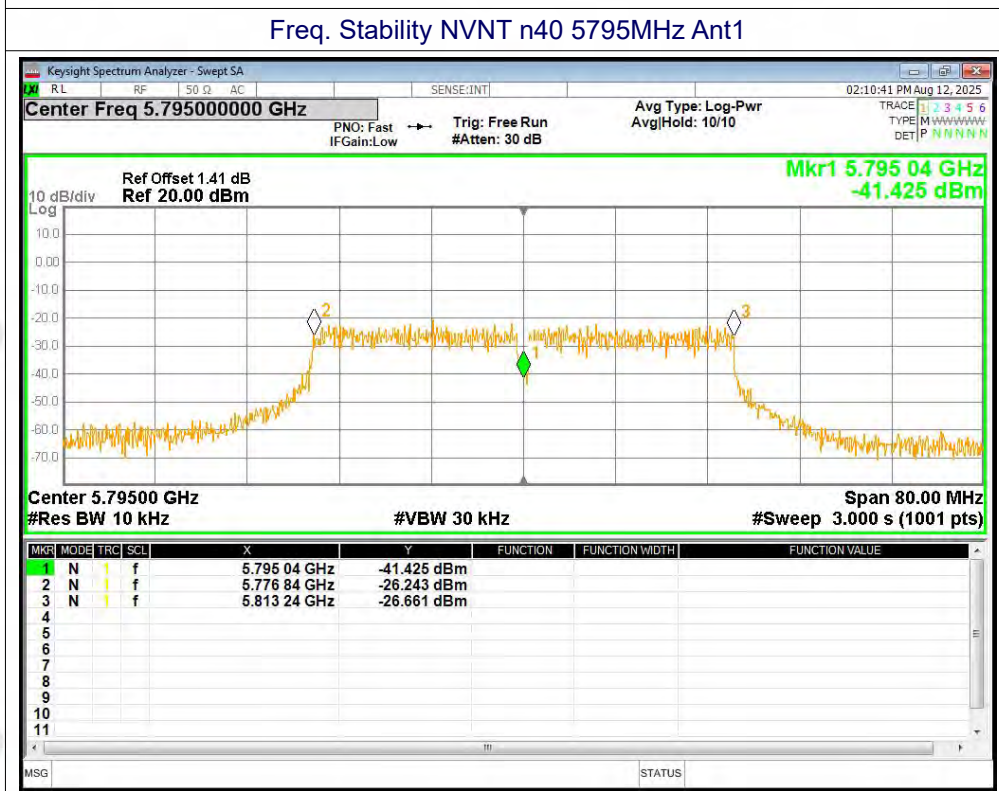
Freq. Stability NVNT n20 5825MHz Ant1



Freq. Stability NVNT n40 5755MHz Ant1



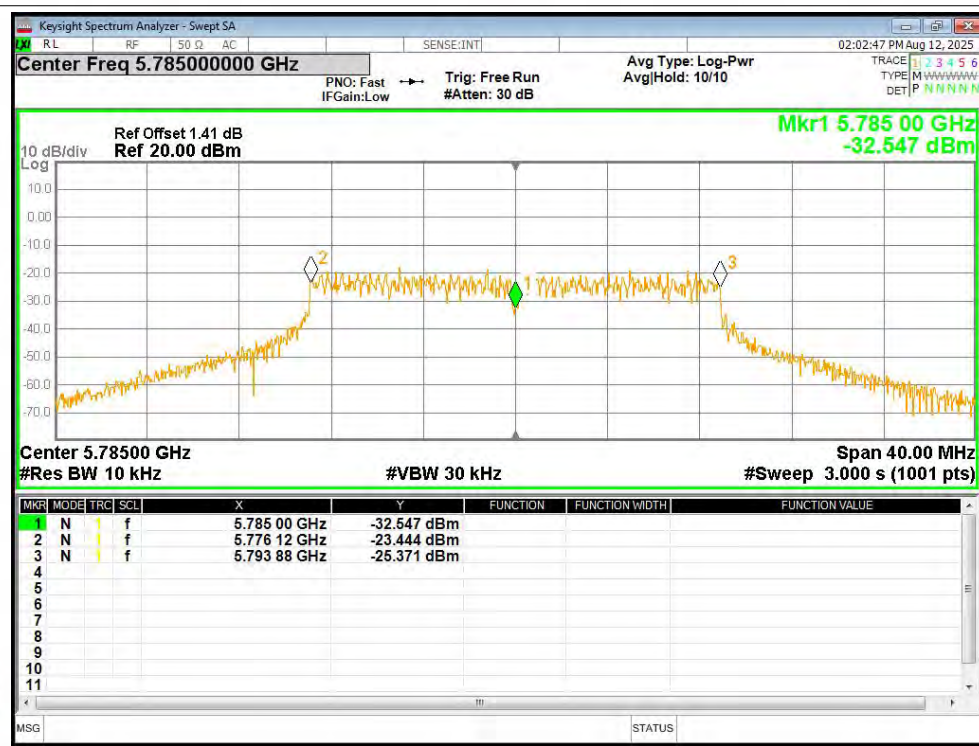
Freq. Stability NVNT n40 5795MHz Ant1



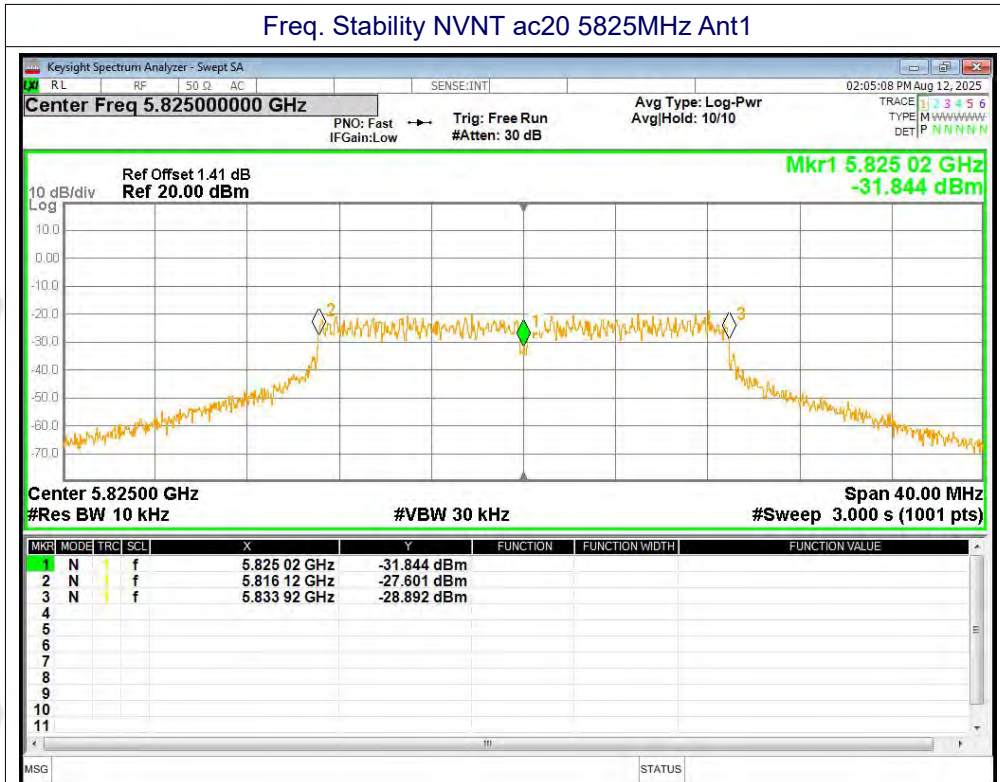
Freq. Stability NVNT ac20 5745MHz Ant1



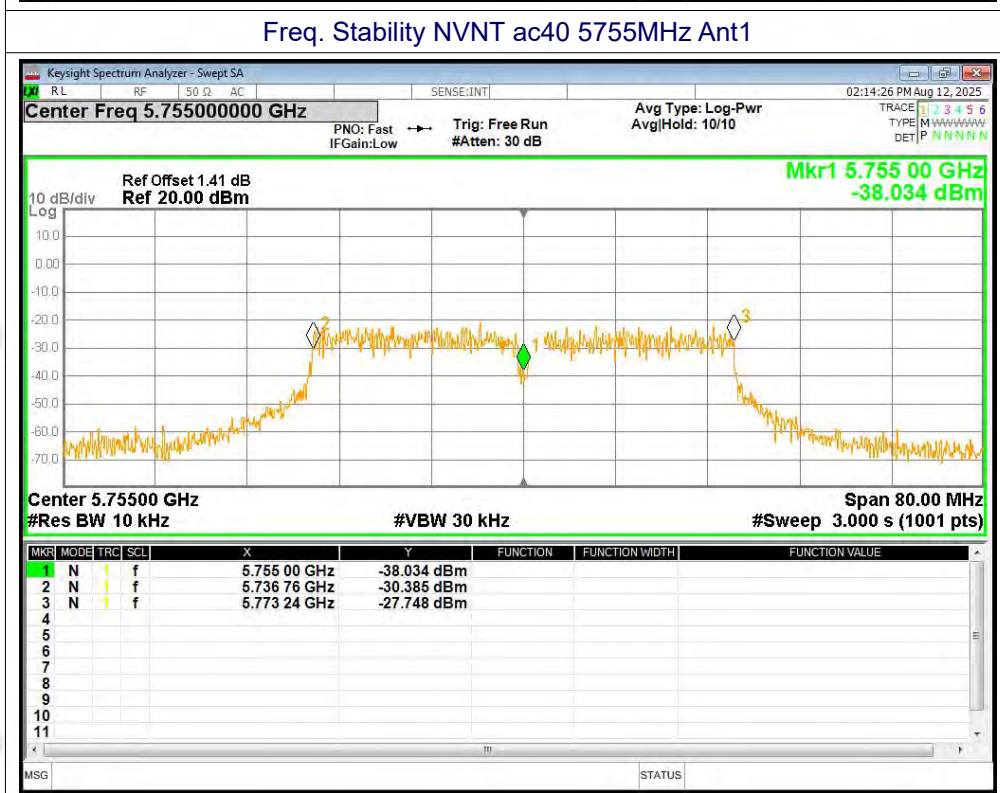
Freq. Stability NVNT ac20 5785MHz Ant1

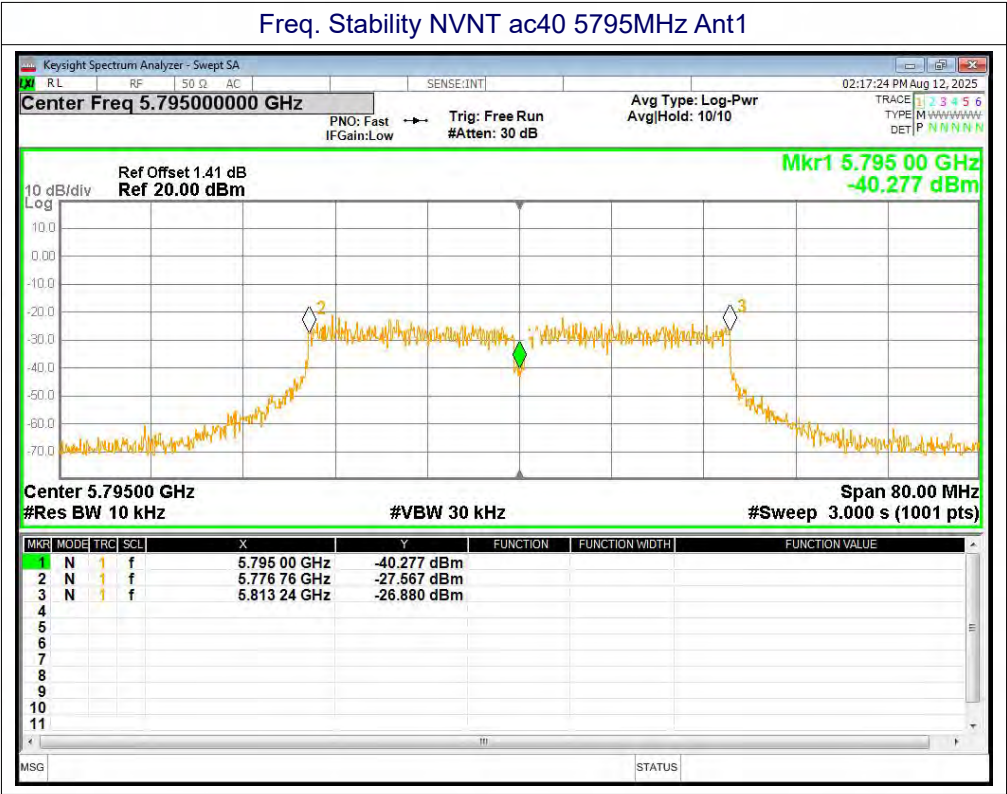


Freq. Stability NVNT ac20 5825MHz Ant1



Freq. Stability NVNT ac40 5755MHz Ant1





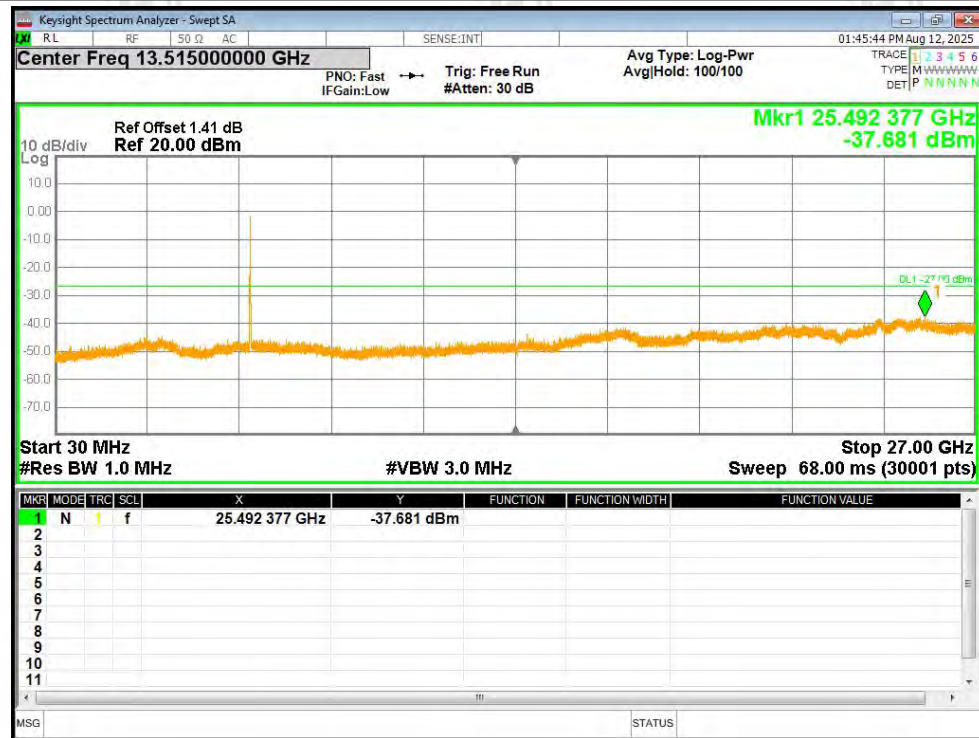


Conducted RF Spurious Emission

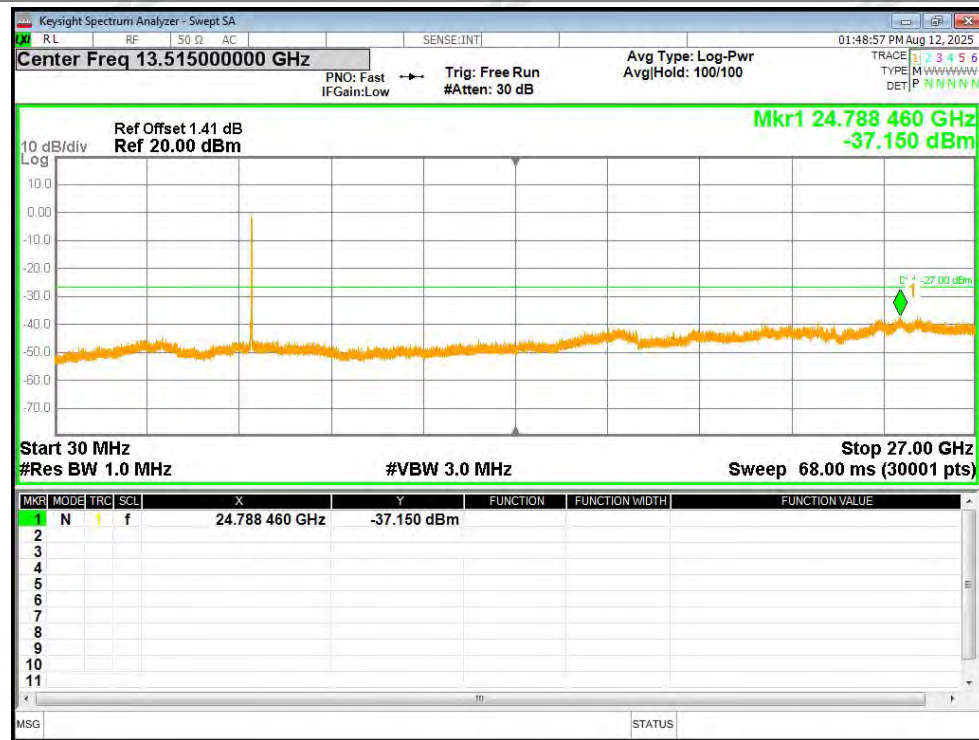
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	ANT Gain (dBi)	EIRP Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-37.68	1.56	-36.12	-27	Pass
NVNT	a	5785	Ant1	-37.14	1.56	-35.58	-27	Pass
NVNT	a	5825	Ant1	-37.14	1.56	-35.58	-27	Pass
NVNT	n20	5745	Ant1	-37.73	1.56	-36.17	-27	Pass
NVNT	n20	5785	Ant1	-36.07	1.56	-34.51	-27	Pass
NVNT	n20	5825	Ant1	-37.51	1.56	-35.95	-27	Pass
NVNT	n40	5755	Ant1	-37.14	1.56	-35.58	-27	Pass
NVNT	n40	5795	Ant1	-37.69	1.56	-36.13	-27	Pass
NVNT	ac20	5745	Ant1	-37.16	1.56	-35.6	-27	Pass
NVNT	ac20	5785	Ant1	-37.41	1.56	-35.85	-27	Pass
NVNT	ac20	5825	Ant1	-37.1	1.56	-35.54	-27	Pass
NVNT	ac40	5755	Ant1	-37.31	1.56	-35.75	-27	Pass
NVNT	ac40	5795	Ant1	-37.21	1.56	-35.65	-27	Pass

Test Graphs

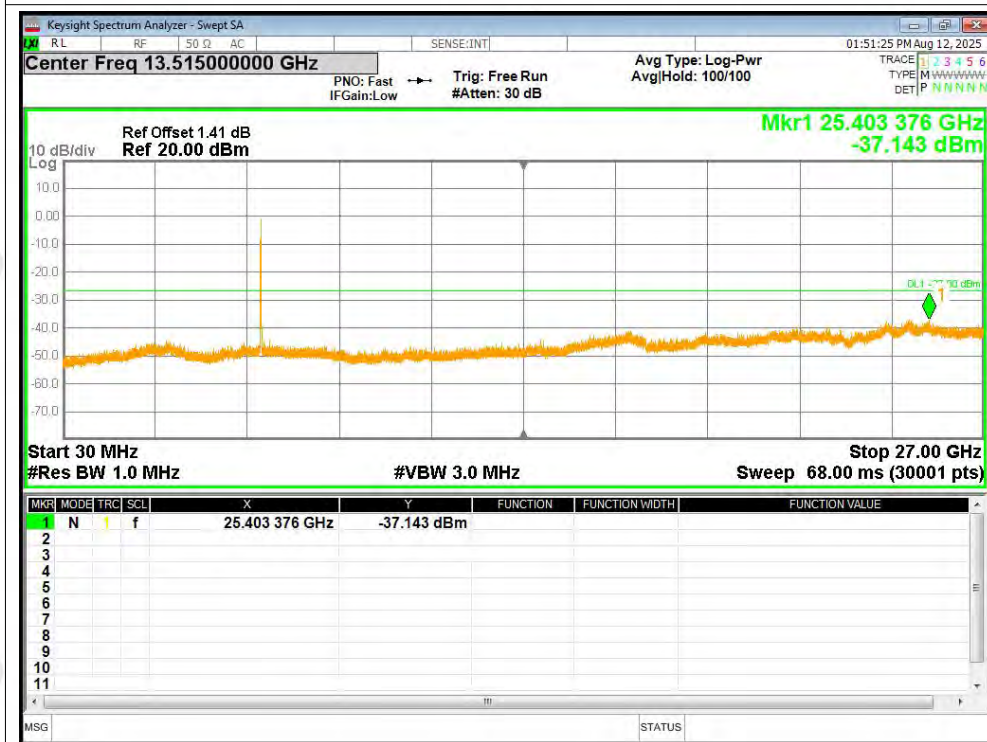
Tx. Spurious NVNT a 5745MHz Ant1 Emission



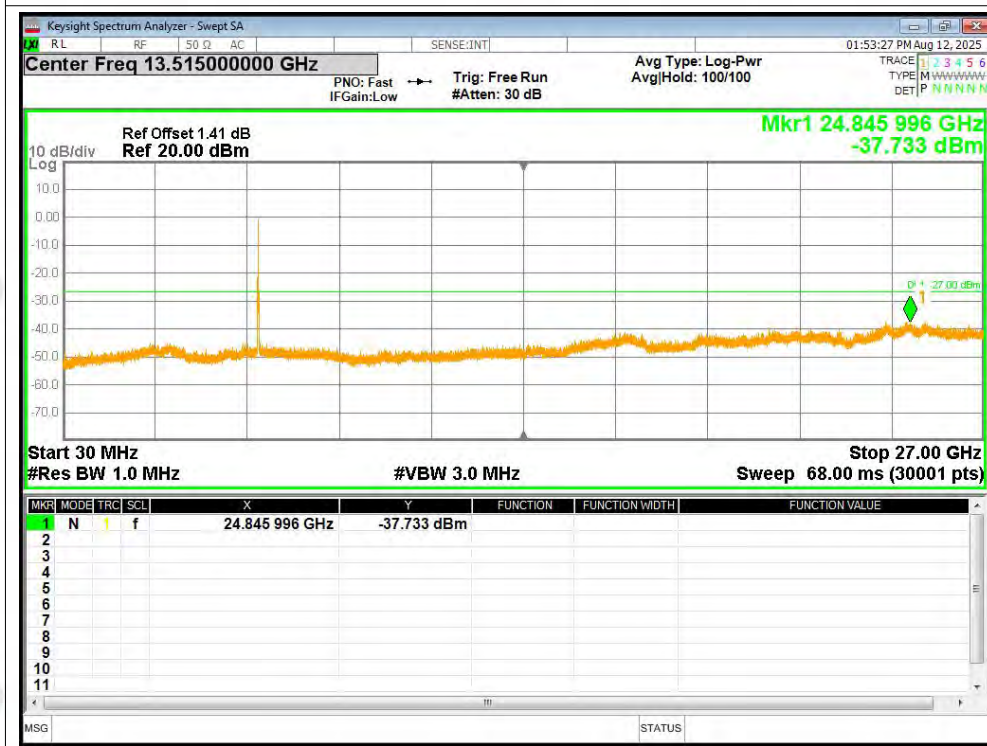
Tx. Spurious NVNT a 5785MHz Ant1 Emission



Tx. Spurious NVNT a 5825MHz Ant1 Emission



Tx. Spurious NVNT n20 5745MHz Ant1 Emission



Tx. Spurious NVNT n20 5785MHz Ant1 Emission



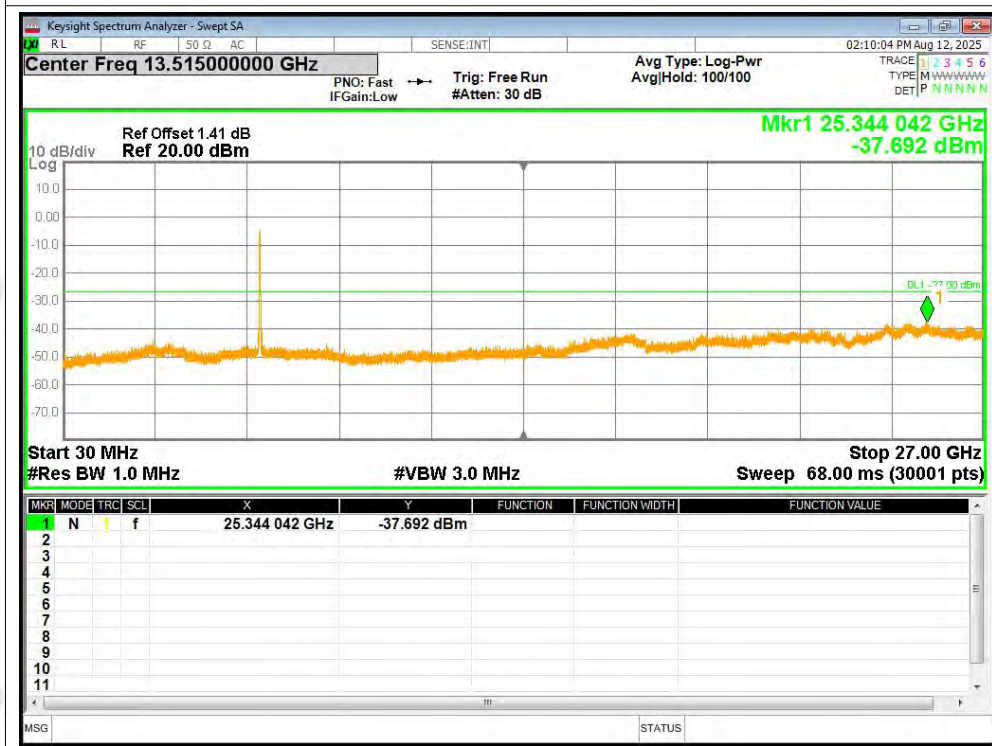
Tx. Spurious NVNT n20 5825MHz Ant1 Emission



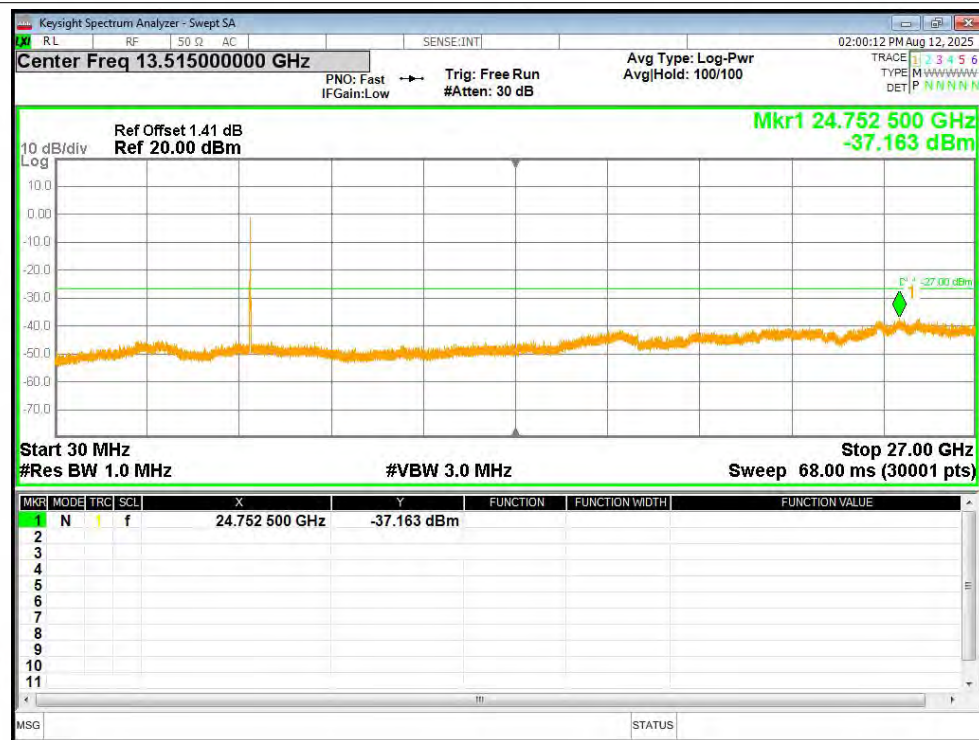
Tx. Spurious NVNT n40 5755MHz Ant1 Emission



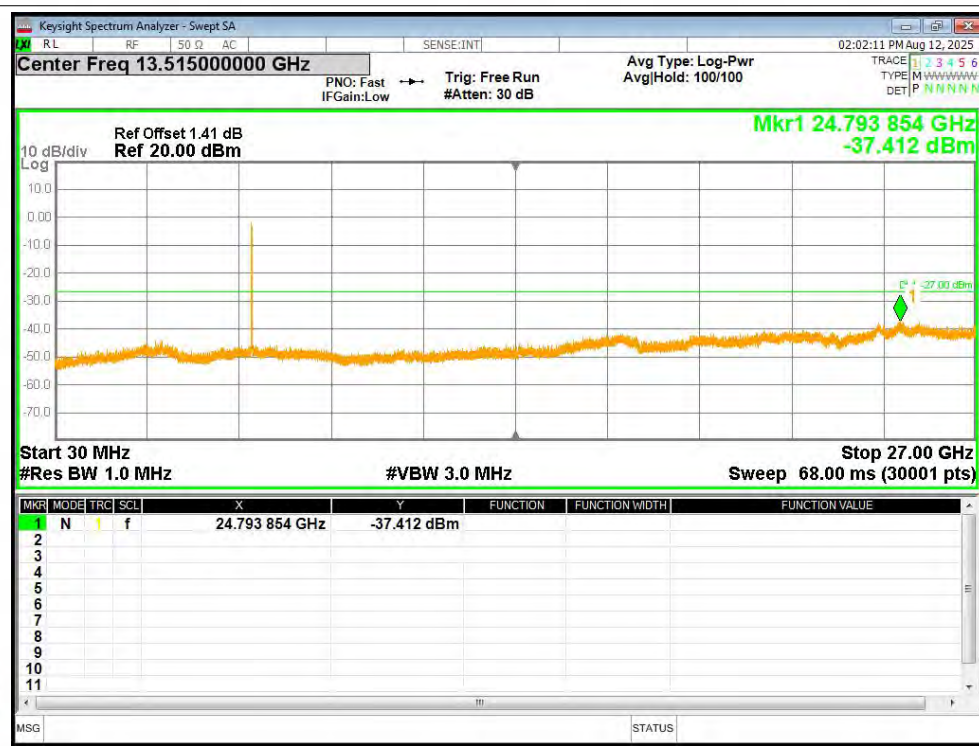
Tx. Spurious NVNT n40 5795MHz Ant1 Emission



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

