

GTSL2025020052F07

Appendix

Duty Cycle..... 2

Maximum Conducted Output Power 10

-6dB Bandwidth 18

Occupied Channel Bandwidth 26

Maximum Power Spectral Density Level..... 34

Band Edge 42

Frequency Stability 48

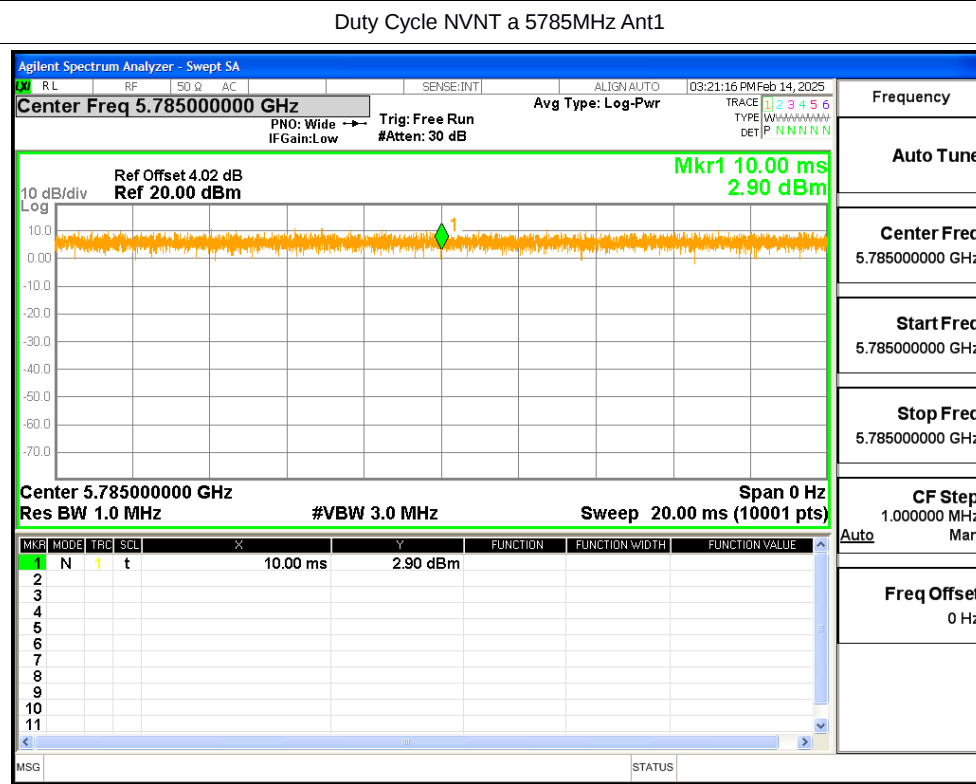
Conducted RF Spurious Emission 56

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Duty Cycle

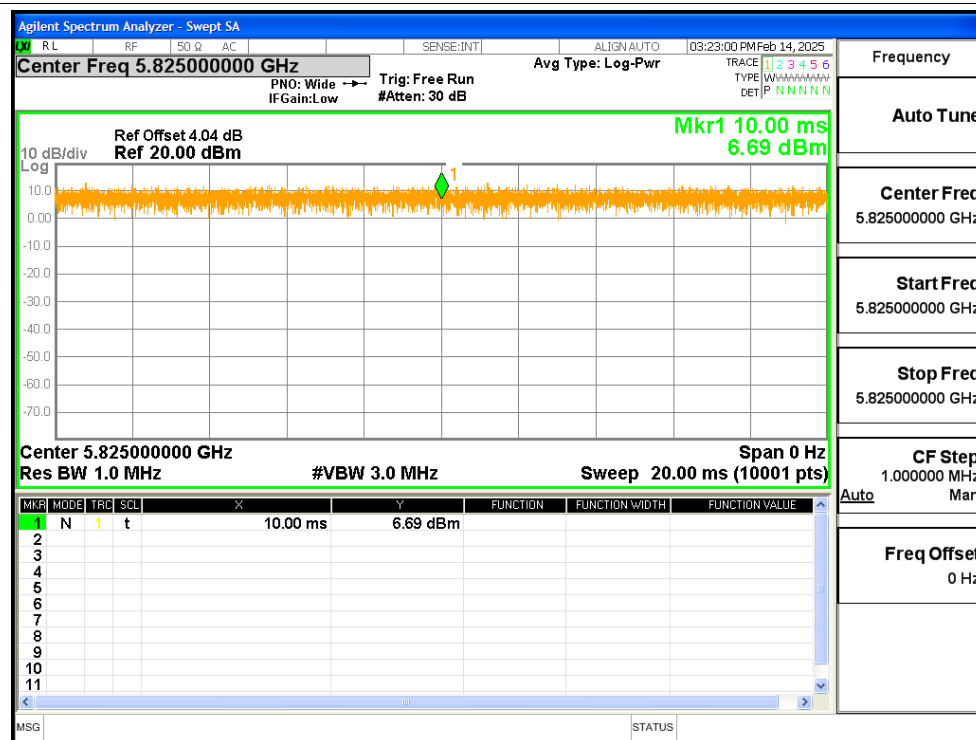
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	100	0	0
		5785		100	0	0
		5825		100	0	0
	n20	5745		100	0	0
		5785		100	0	0
		5825		100	0	0
	n40	5755		100	0	0
		5795		100	0	0
	ac20	5745		100	0	0
		5785		100	0	0
		5825		100	0	0
	ac40	5755		100	0	0
		5795		100	0	0
	ac80	5775		100	0	0

Duty Cycle NVNT a 5745MHz Ant1

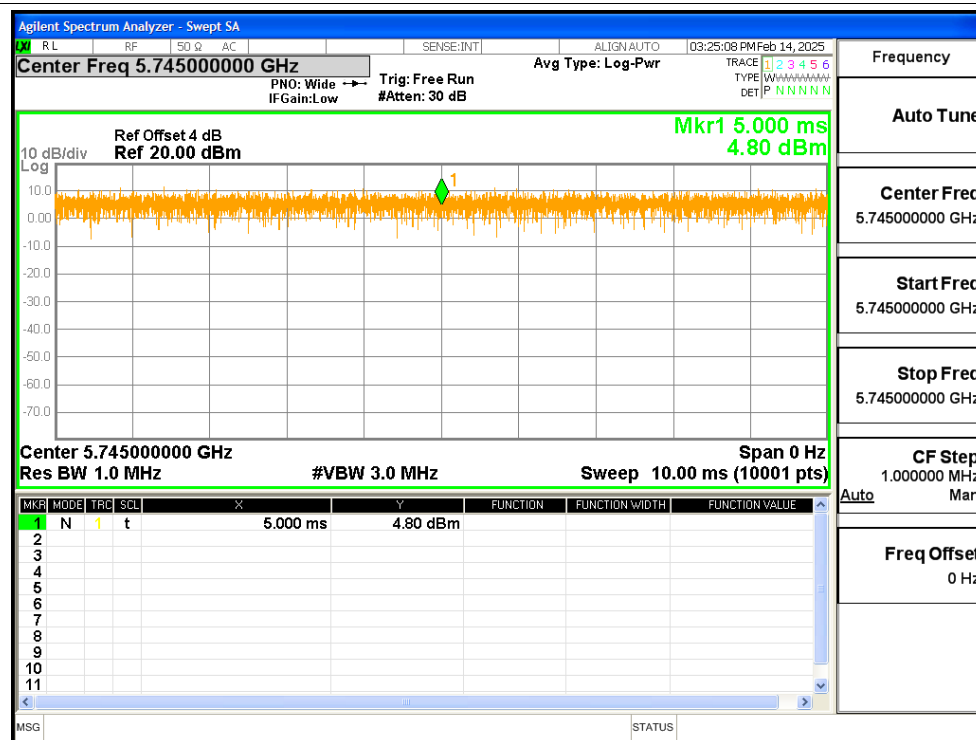


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Duty Cycle NVNT a 5825MHz Ant1

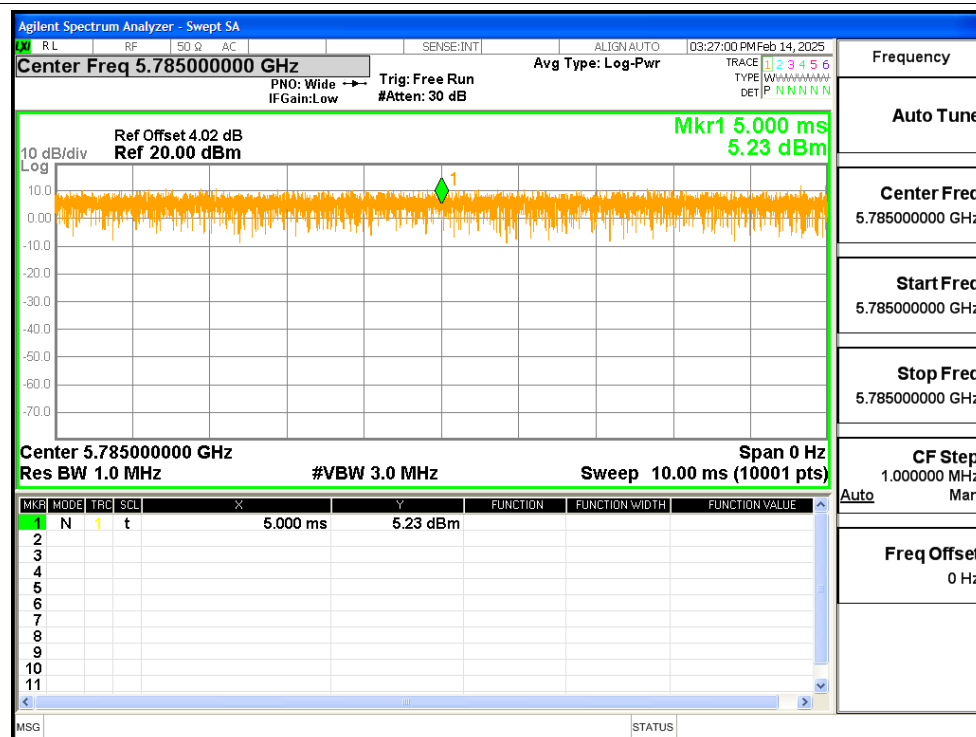


Duty Cycle NVNT n20 5745MHz Ant1

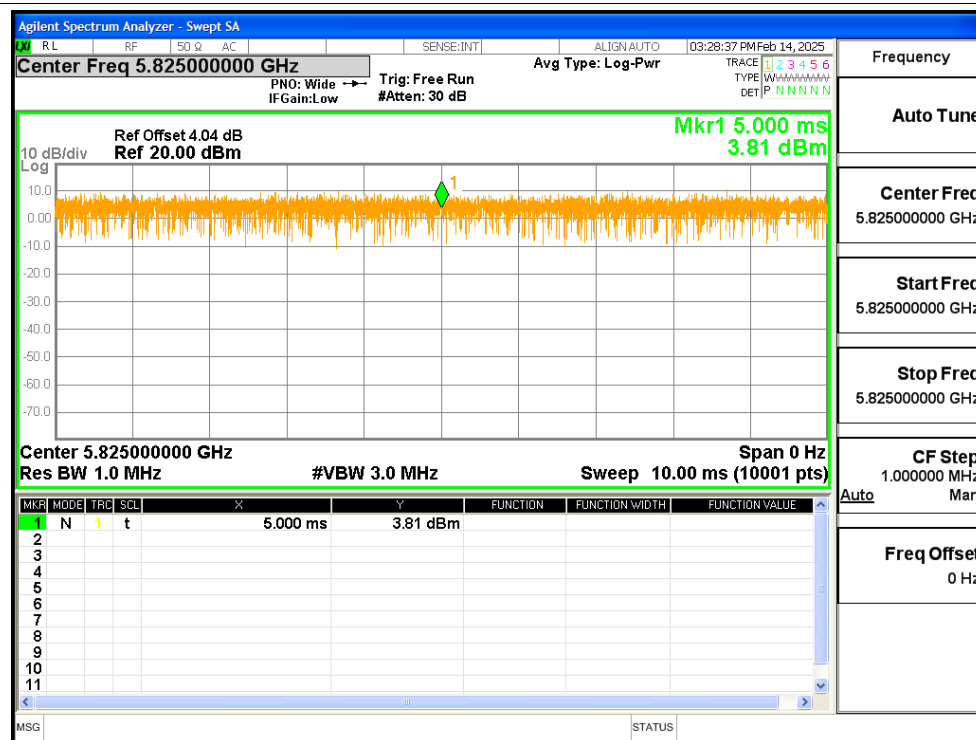


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Duty Cycle NVNT n20 5785MHz Ant1

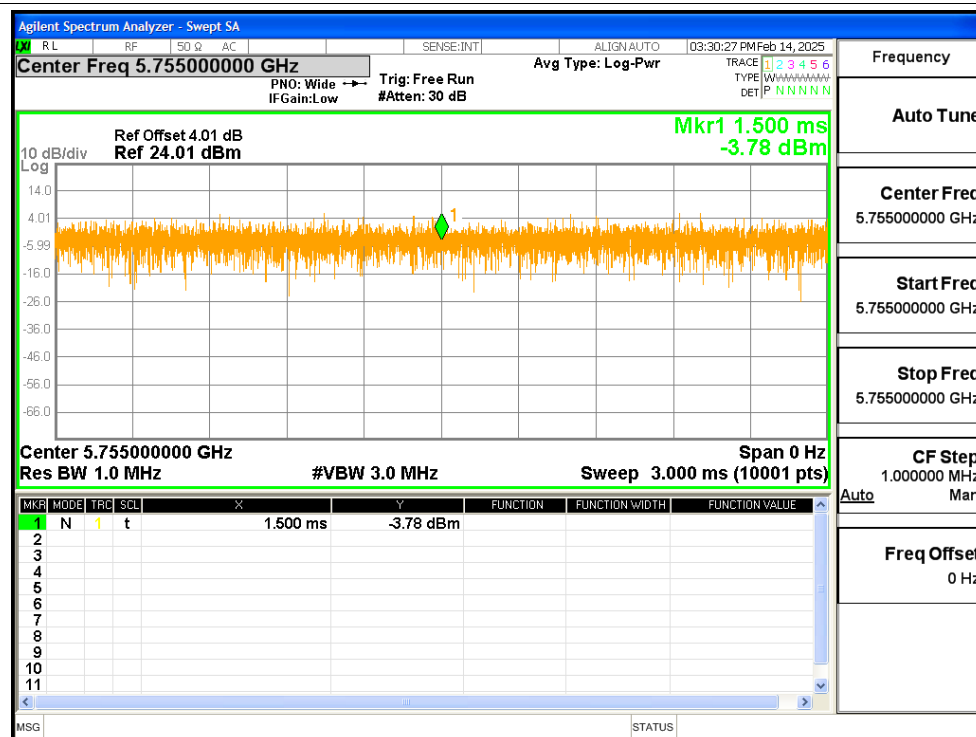


Duty Cycle NVNT n20 5825MHz Ant1

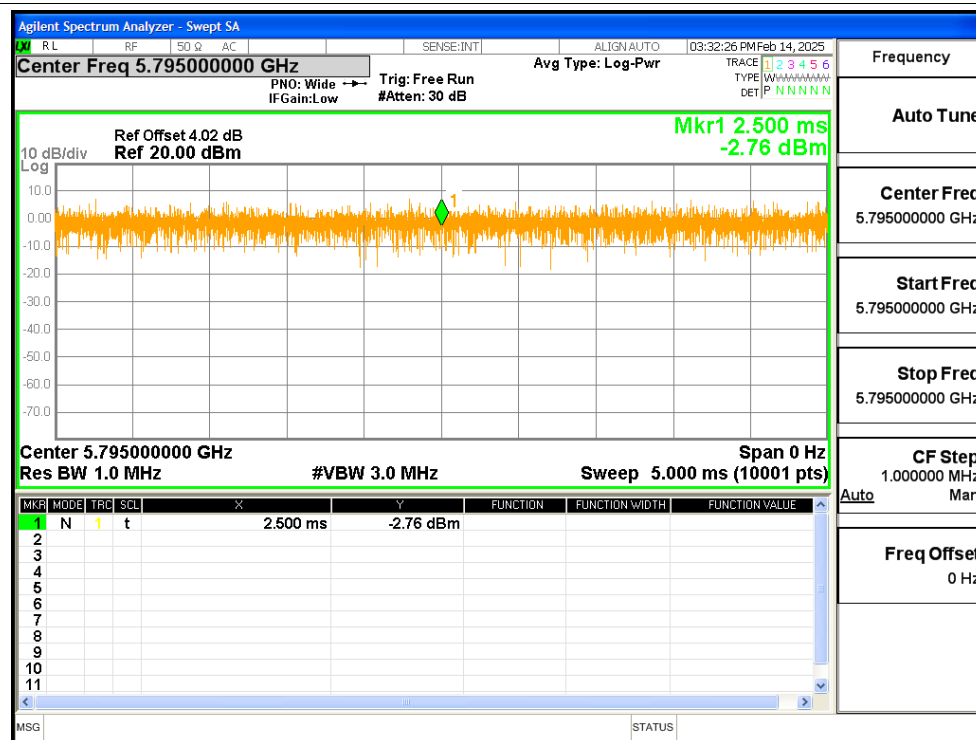


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Duty Cycle NVNT n40 5755MHz Ant1

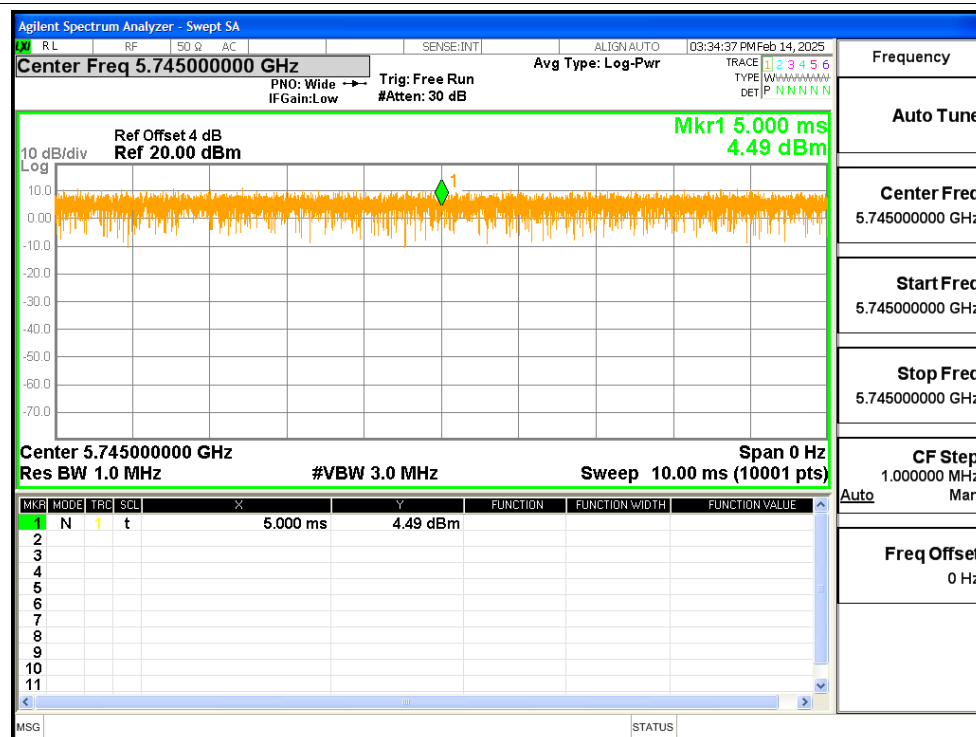


Duty Cycle NVNT n40 5795MHz Ant1

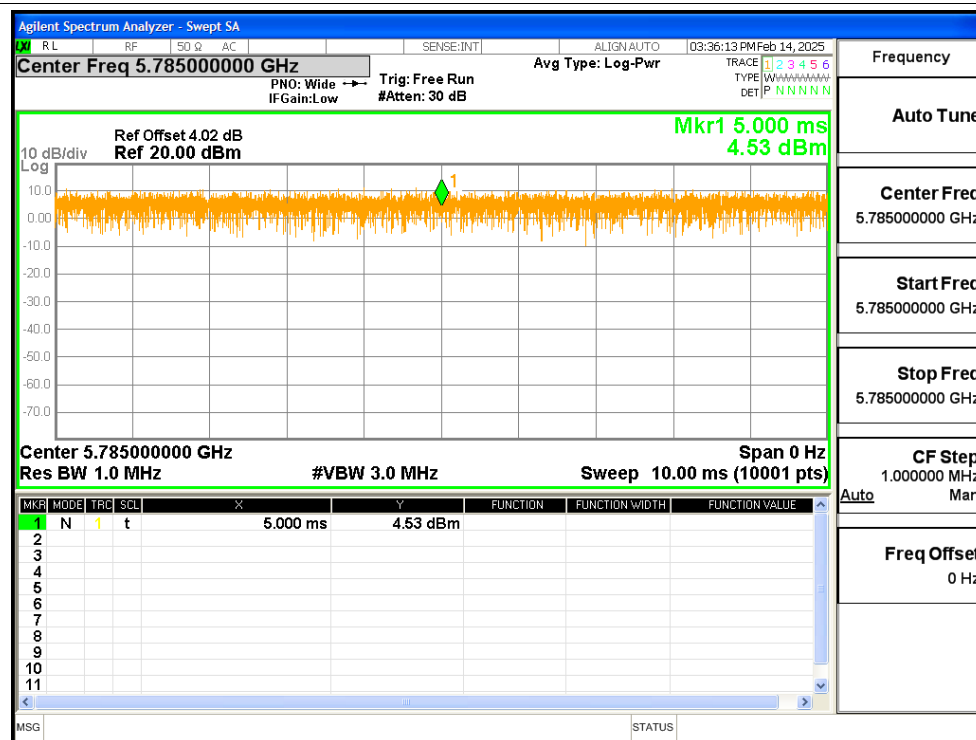


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Duty Cycle NVNT ac20 5745MHz Ant1



Duty Cycle NVNT ac20 5785MHz Ant1

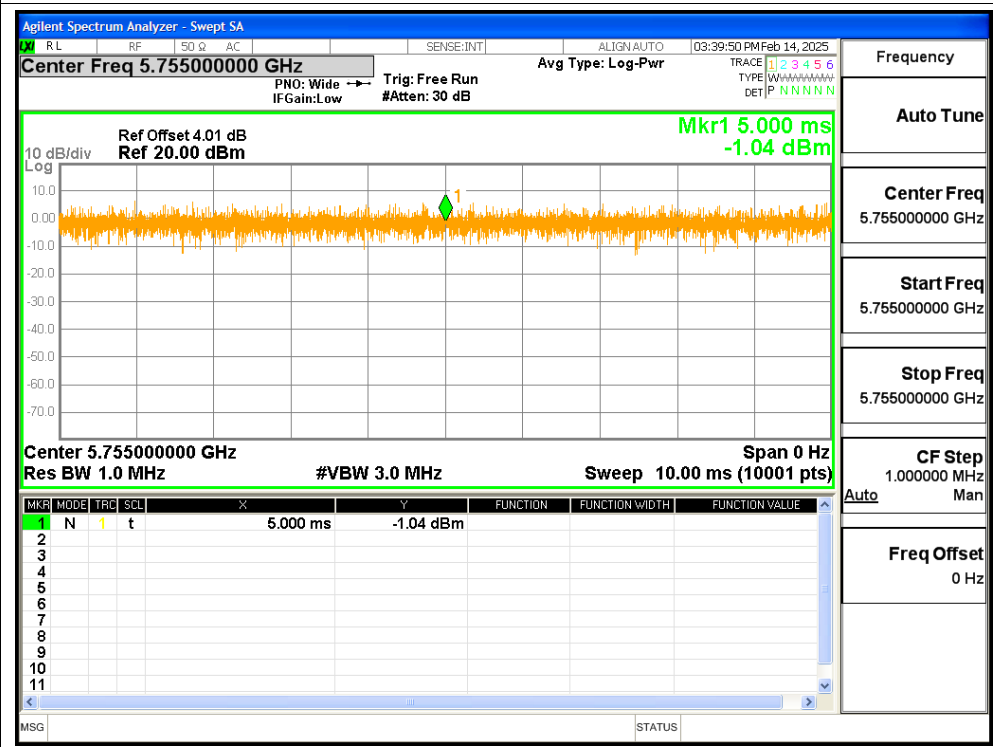


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Duty Cycle NVNT ac20 5825MHz Ant1

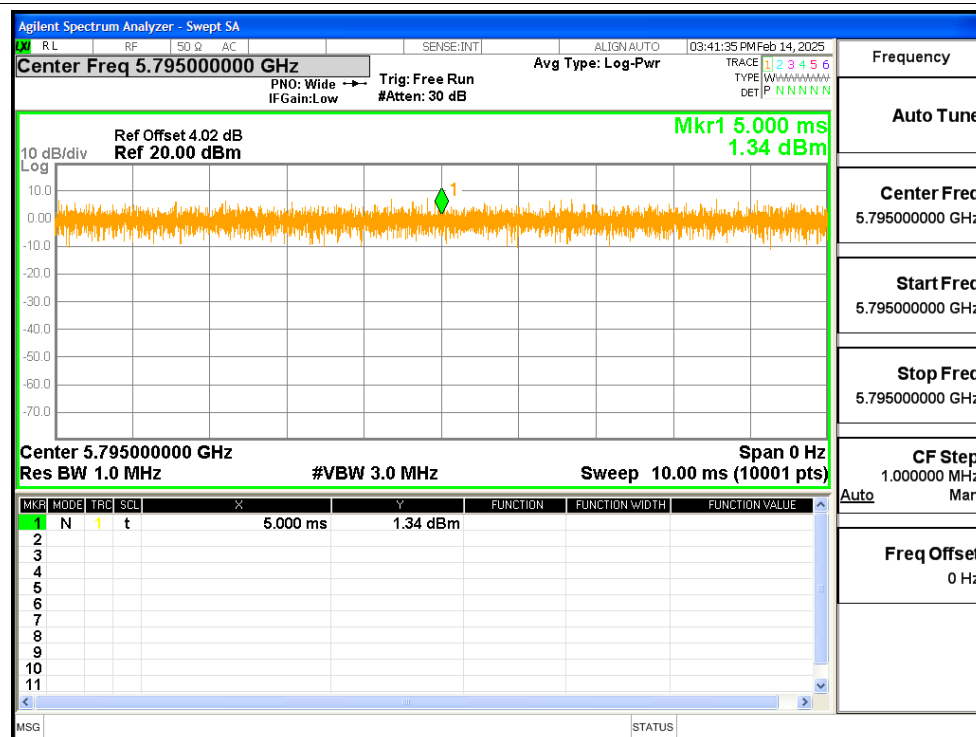


Duty Cycle NVNT ac40 5755MHz Ant1

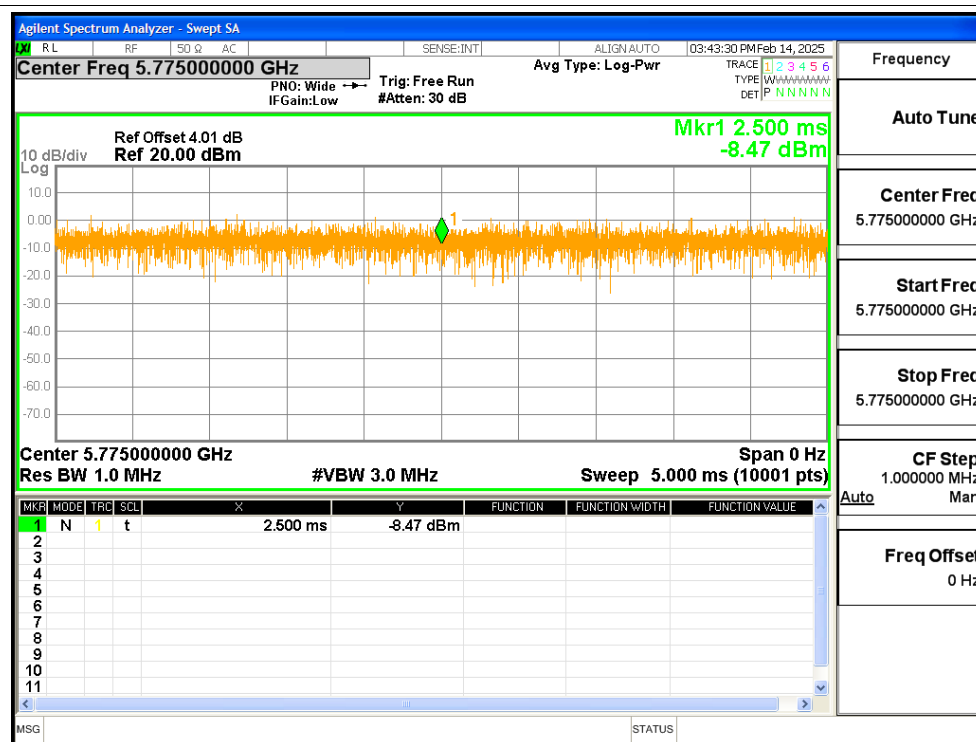


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Duty Cycle NVNT ac40 5795MHz Ant1



Duty Cycle NVNT ac80 5775MHz Ant1

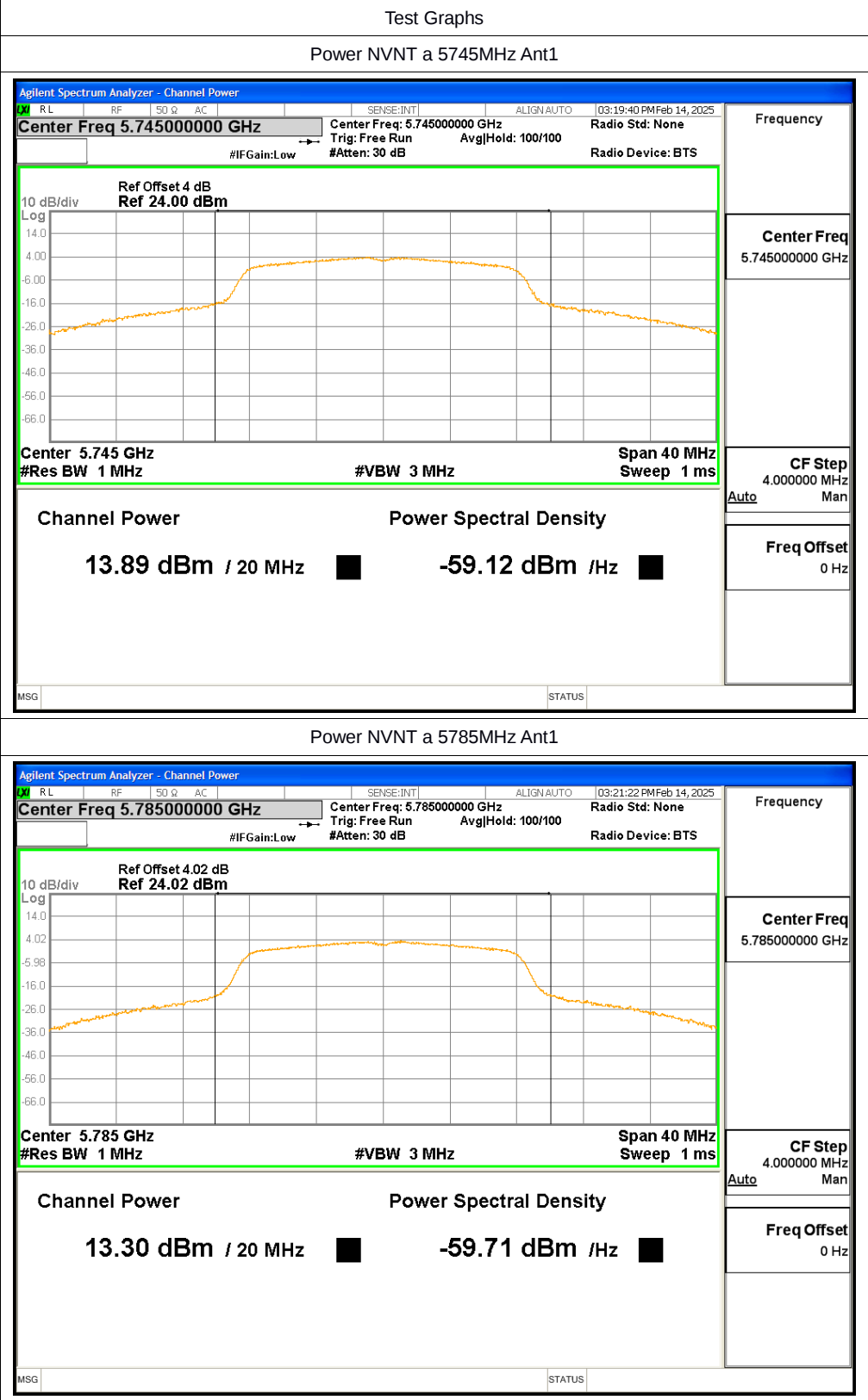


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Maximum Conducted Output Power

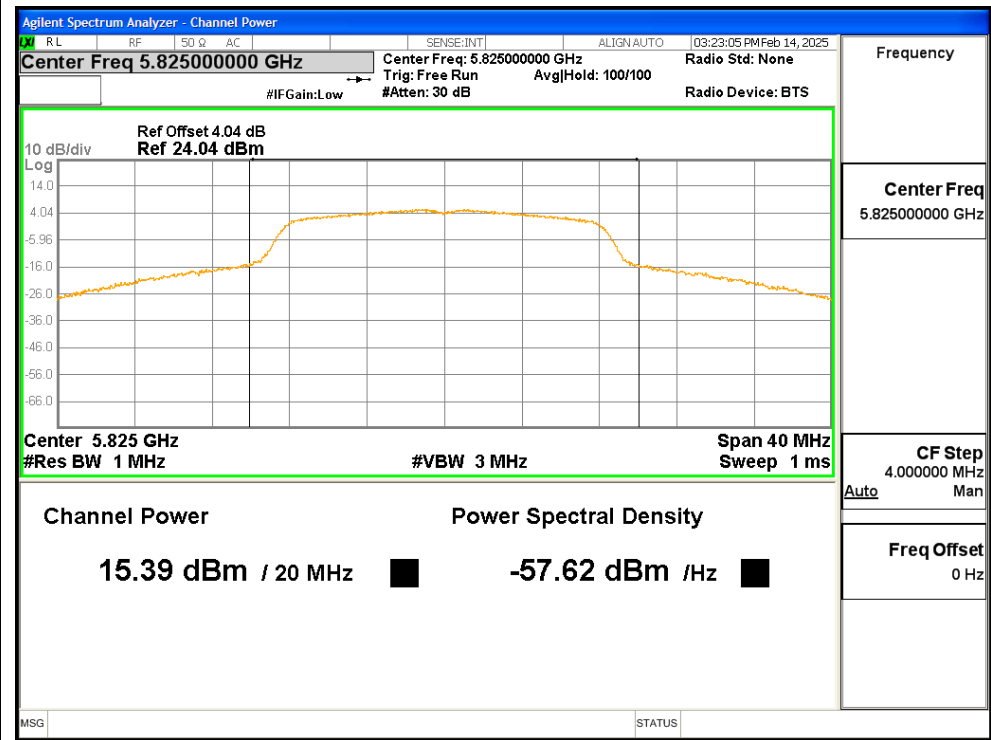
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	13.89	0	13.89	30	Pass
		5785		13.3	0	13.3	30	Pass
		5825		15.39	0	15.39	30	Pass
	n20	5745		14.25	0	14.25	30	Pass
		5785		14.35	0	14.35	30	Pass
		5825		13.15	0	13.15	30	Pass
	n40	5755		14	0	14	30	Pass
		5795		14.97	0	14.97	30	Pass
	ac20	5745		14.22	0	14.22	30	Pass
		5785		14.26	0	14.26	30	Pass
		5825		15.48	0	15.48	30	Pass
	ac40	5755		13.99	0	13.99	30	Pass
		5795		14.96	0	14.96	30	Pass
	ac80	5775		13.08	0	13.08	30	Pass

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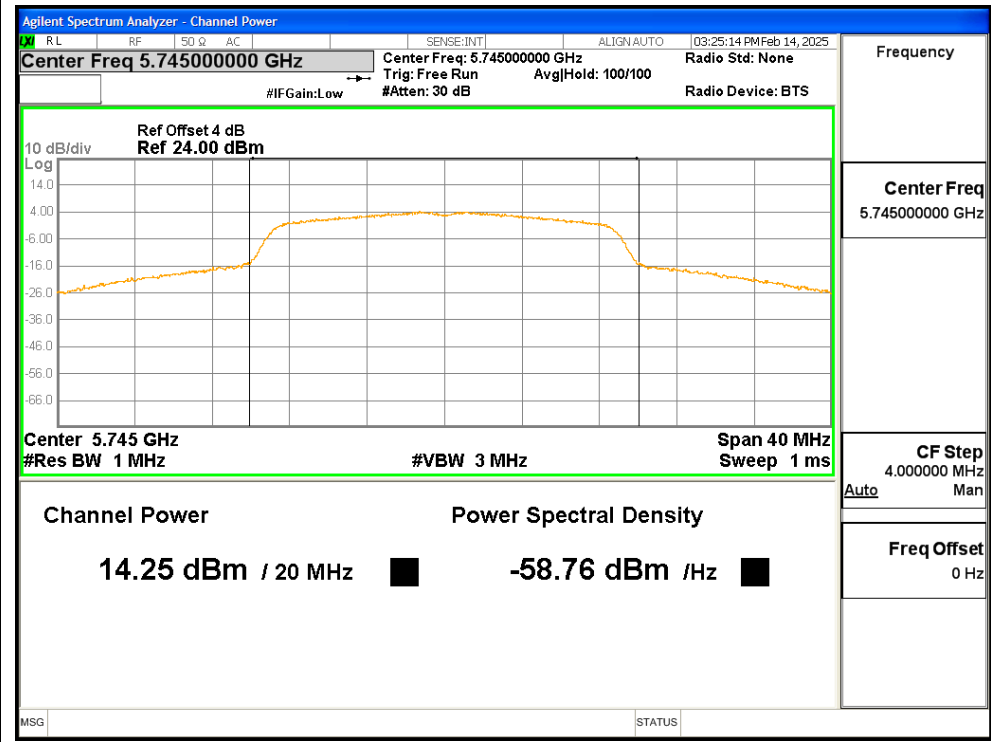


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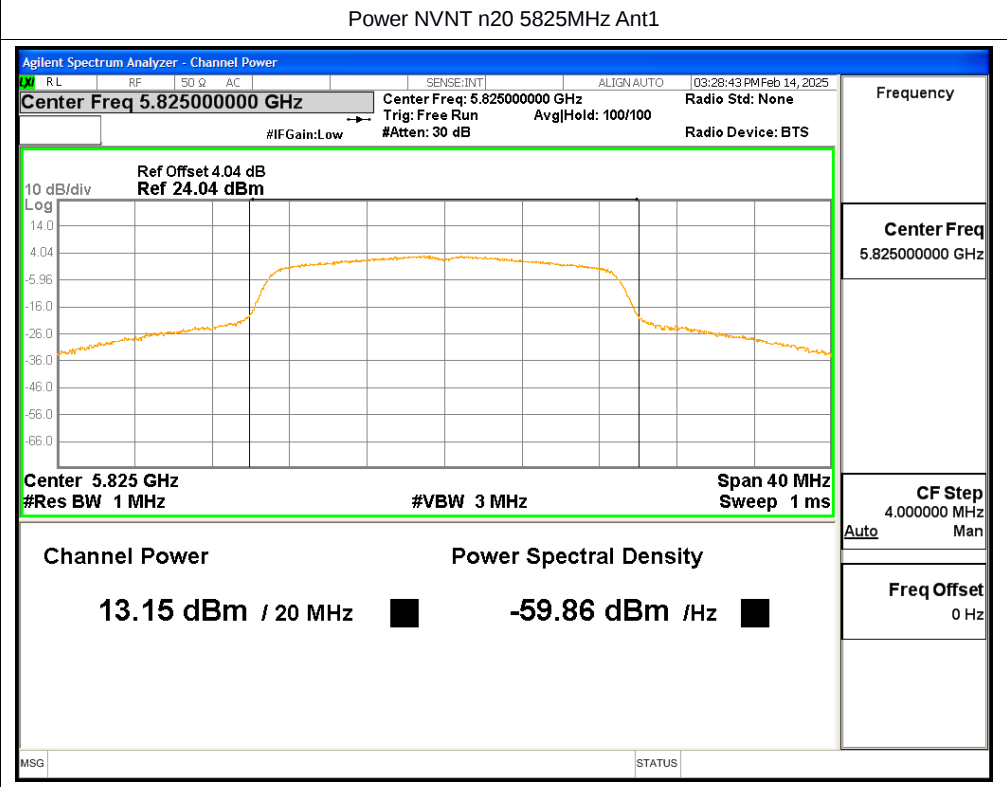
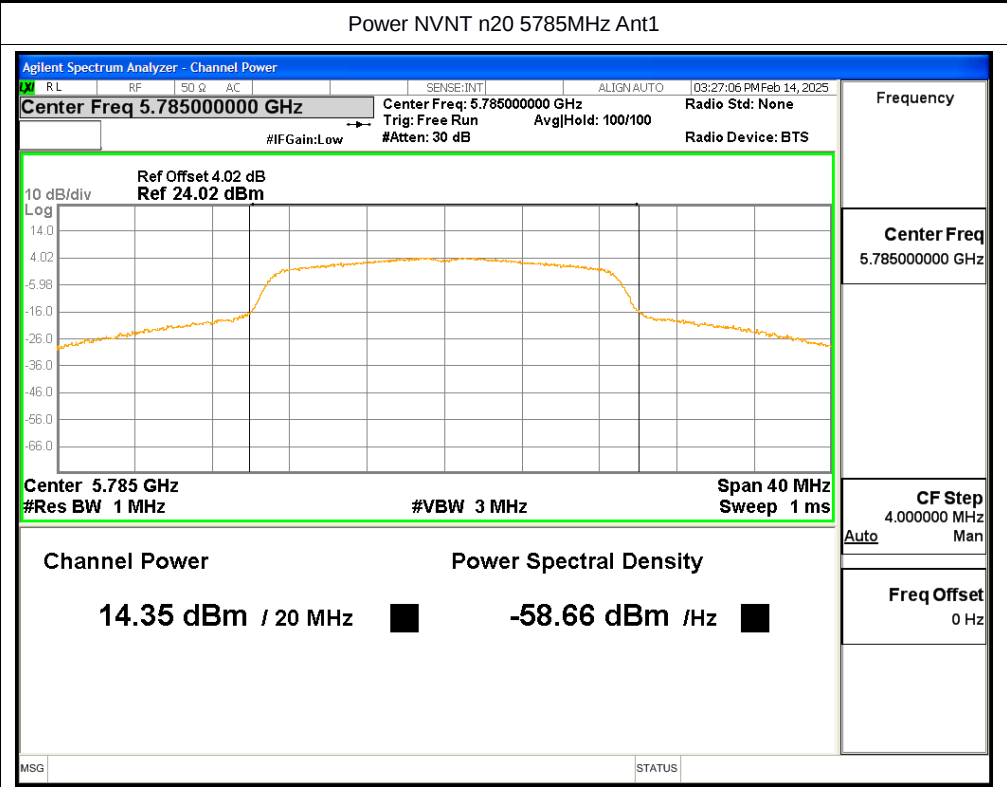
Power NVNT a 5825MHz Ant1



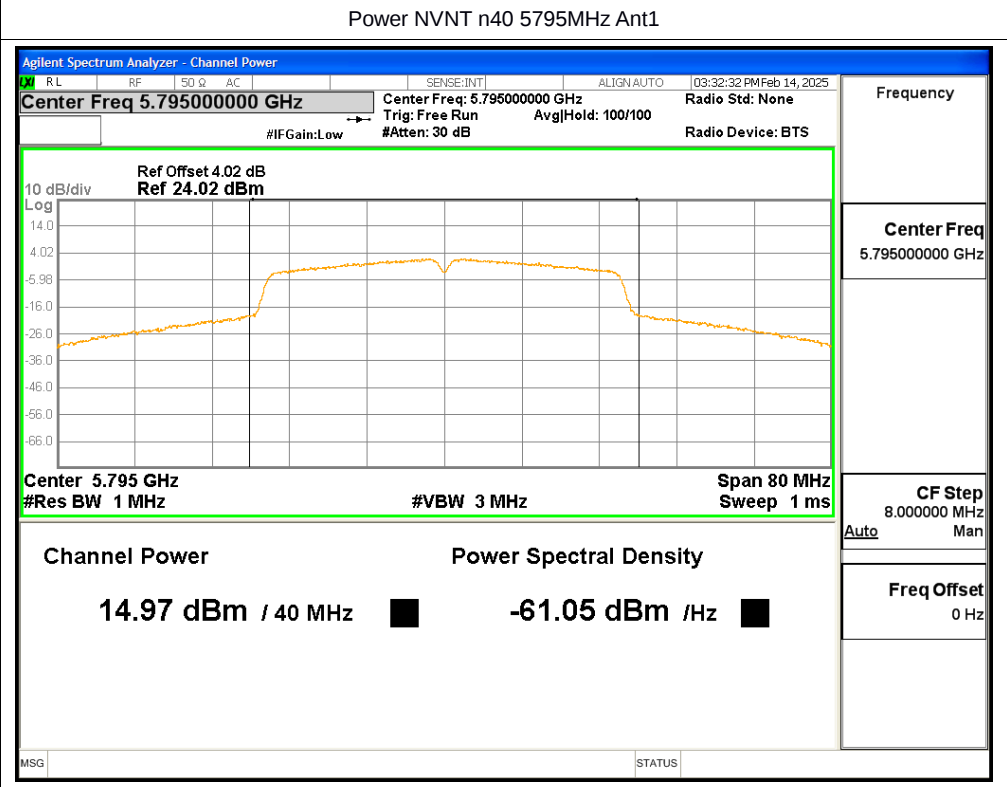
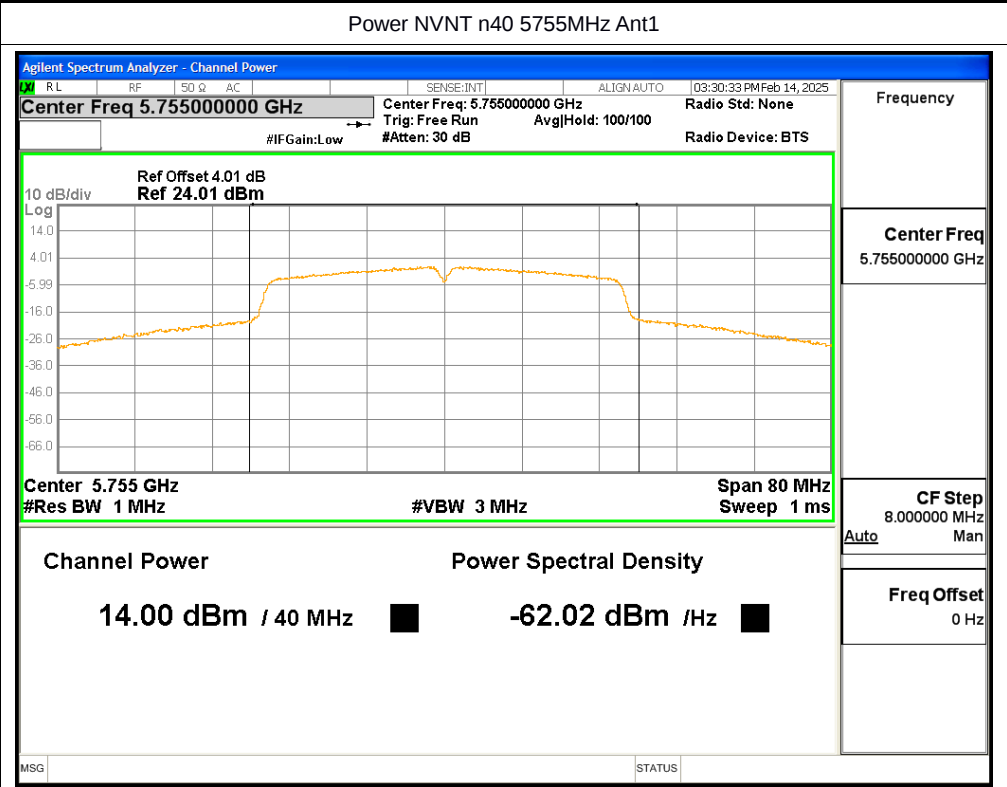
Power NVNT n20 5745MHz Ant1



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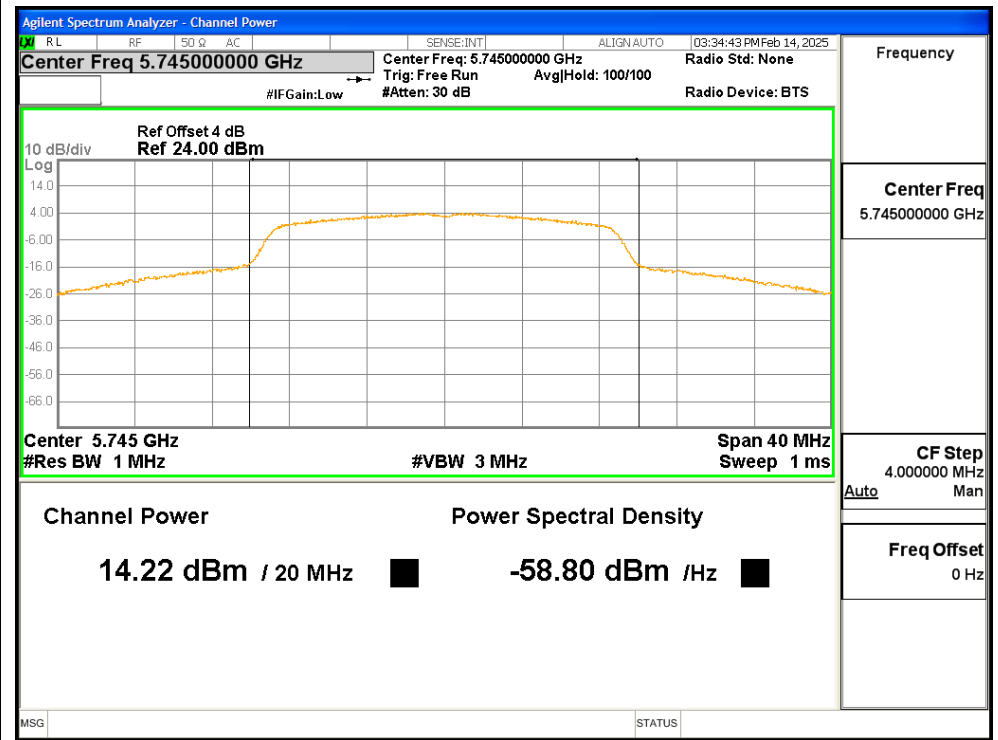


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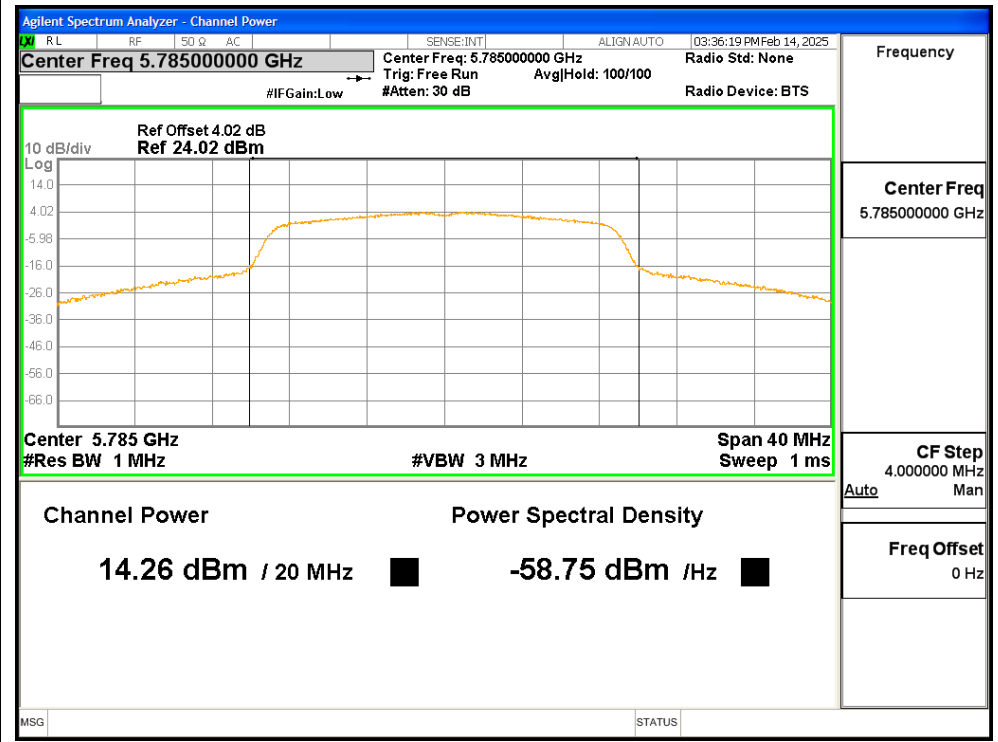


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Power NVNT ac20 5745MHz Ant1

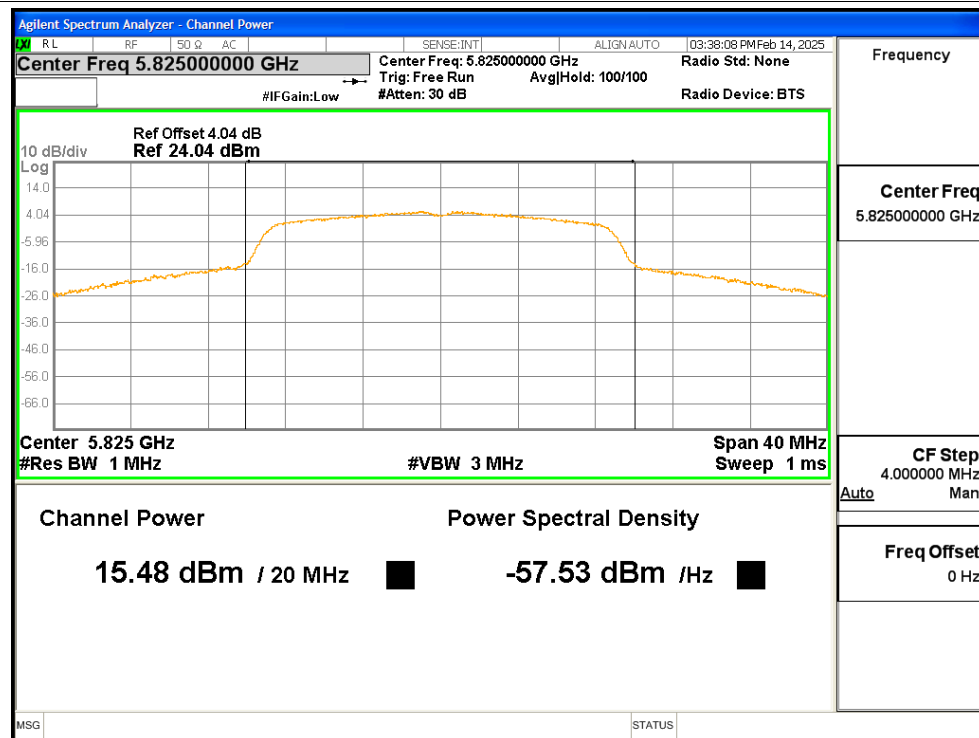


Power NVNT ac20 5785MHz Ant1

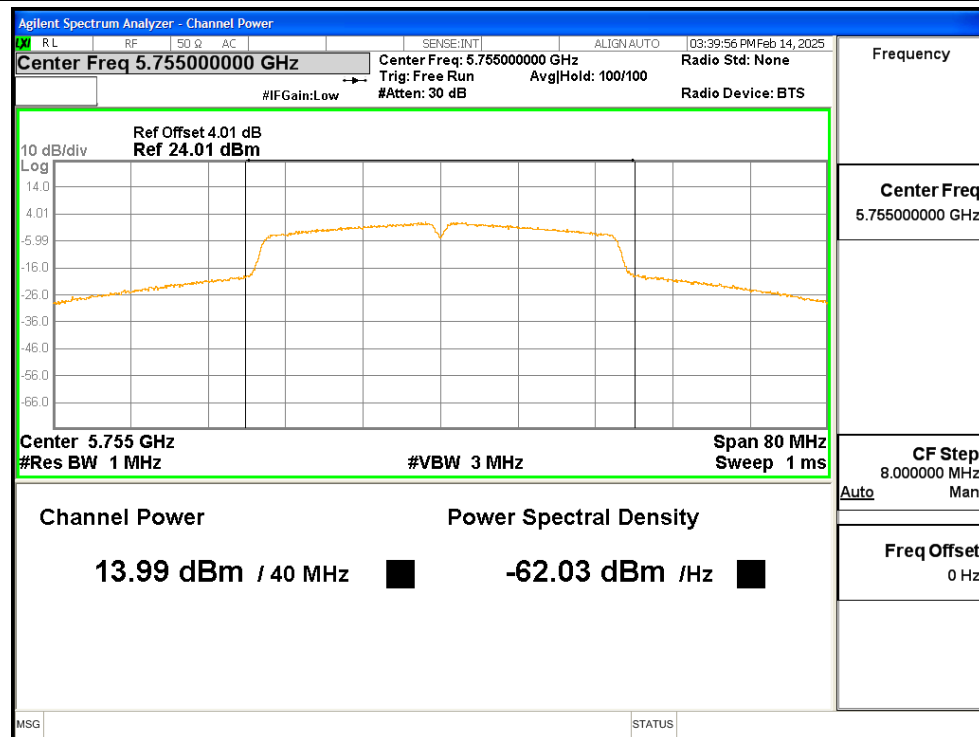


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Power NVNT ac20 5825MHz Ant1

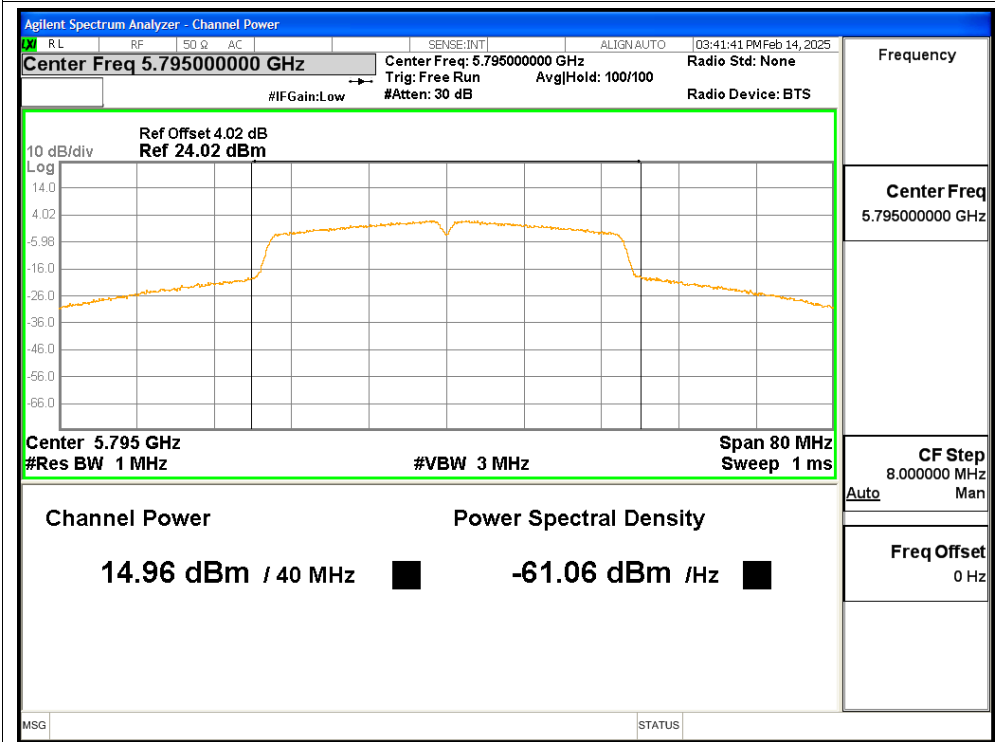


Power NVNT ac40 5755MHz Ant1

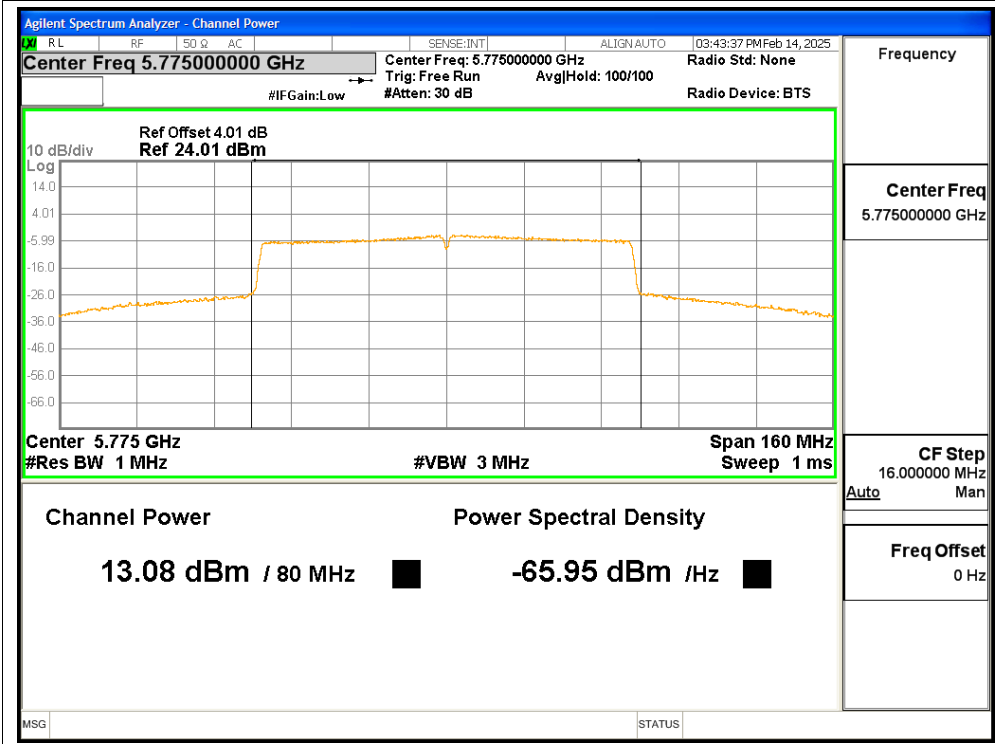


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Power NVNT ac40 5795MHz Ant1



Power NVNT ac80 5775MHz Ant1



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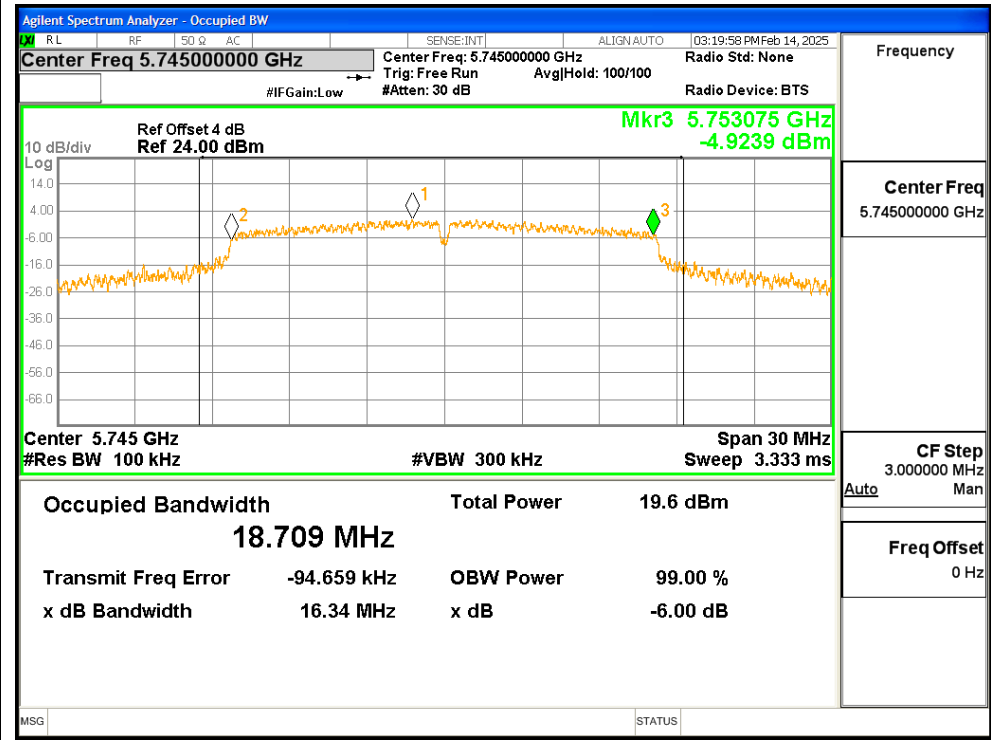
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.34	0.5	Pass
		5785		16.065	0.5	Pass
		5825		16.044	0.5	Pass
	n20	5745		17.279	0.5	Pass
		5785		17.564	0.5	Pass
		5825		17.557	0.5	Pass
	n40	5755		36.284	0.5	Pass
		5795		36.135	0.5	Pass
	ac20	5745		17.544	0.5	Pass
		5785		17.523	0.5	Pass
		5825		17.532	0.5	Pass
	ac40	5755		36.14	0.5	Pass
		5795		35.917	0.5	Pass
	ac80	5775		76.388	0.5	Pass

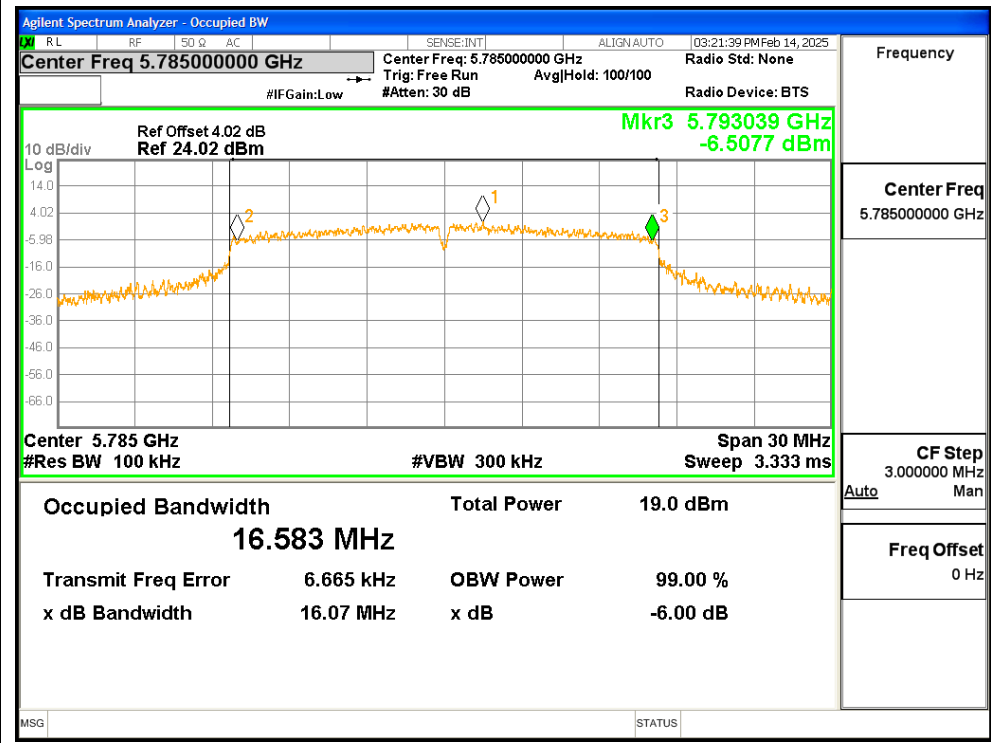
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Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant1

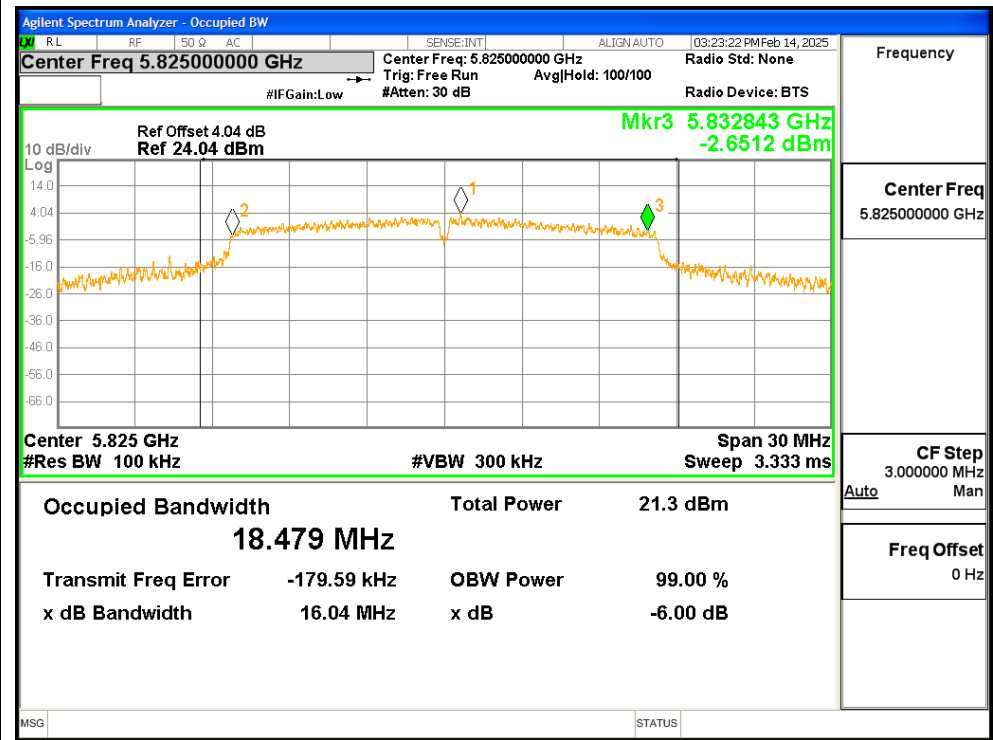


-6dB Bandwidth NVNT a 5785MHz Ant1

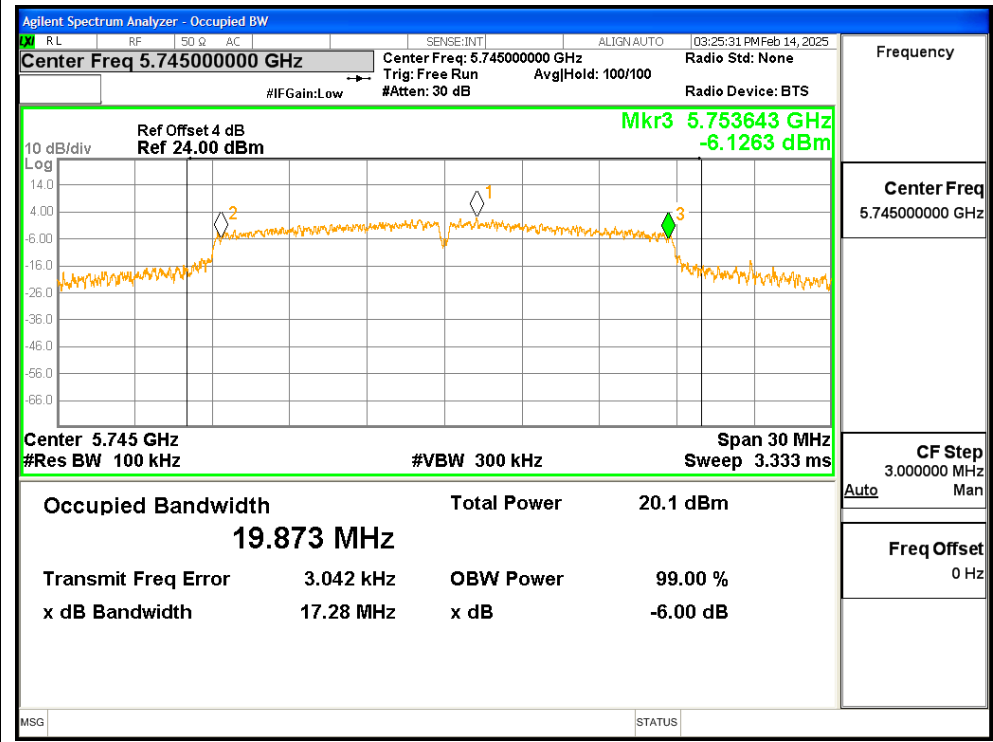


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-6dB Bandwidth NVNT a 5825MHz Ant1

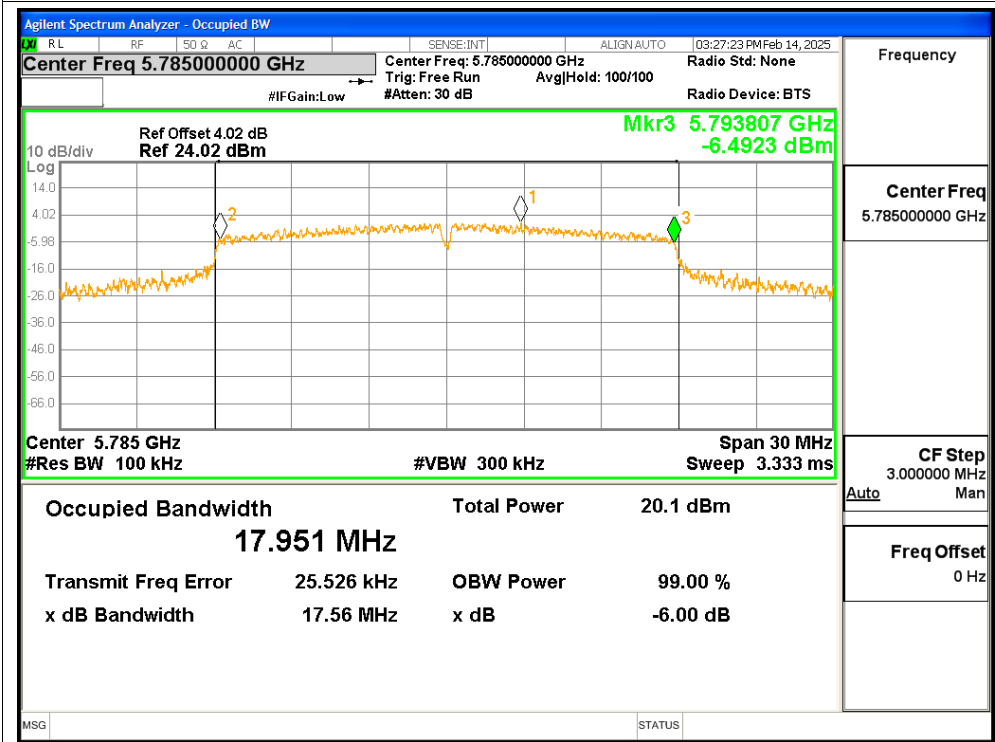


-6dB Bandwidth NVNT n20 5745MHz Ant1

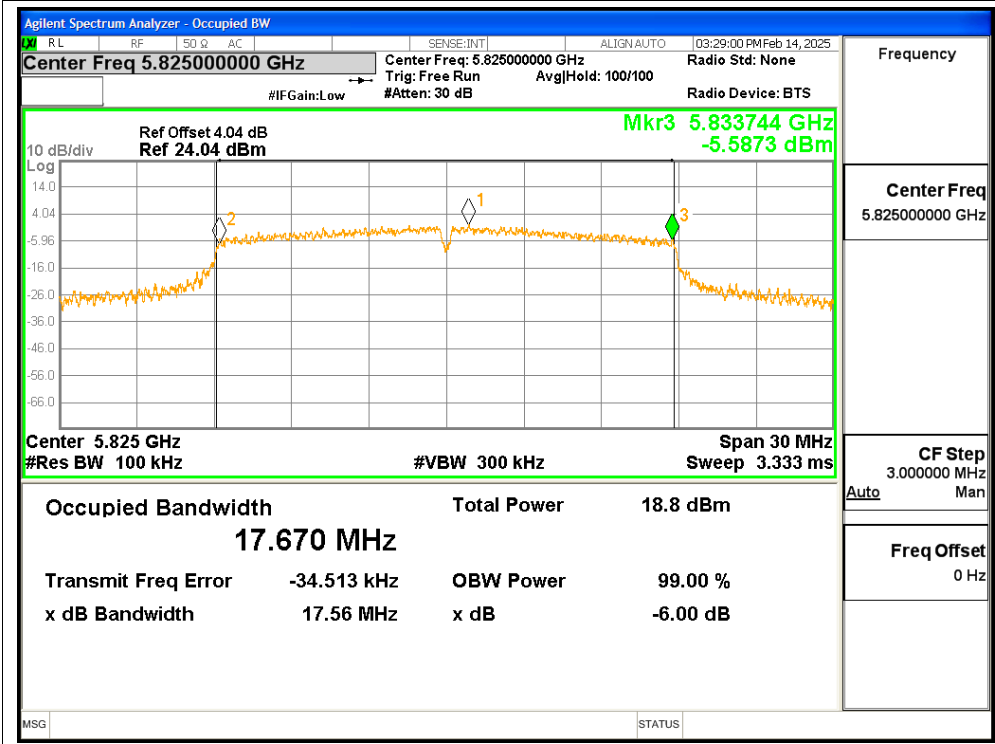


GTSL2025020052F07

-6dB Bandwidth NVNT n20 5785MHz Ant1

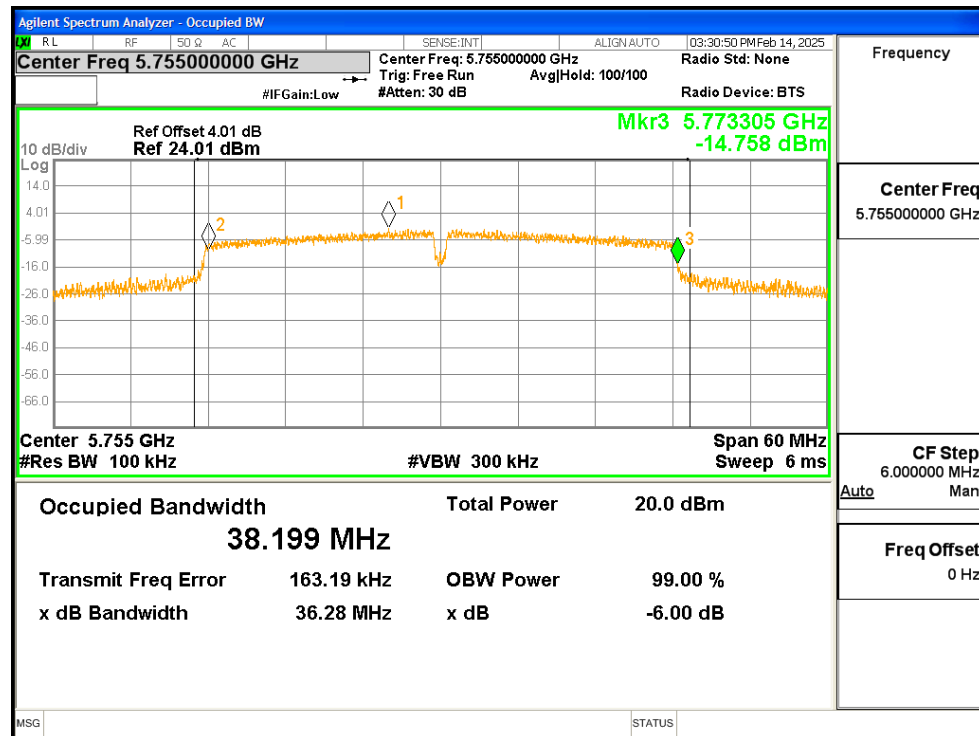


-6dB Bandwidth NVNT n20 5825MHz Ant1

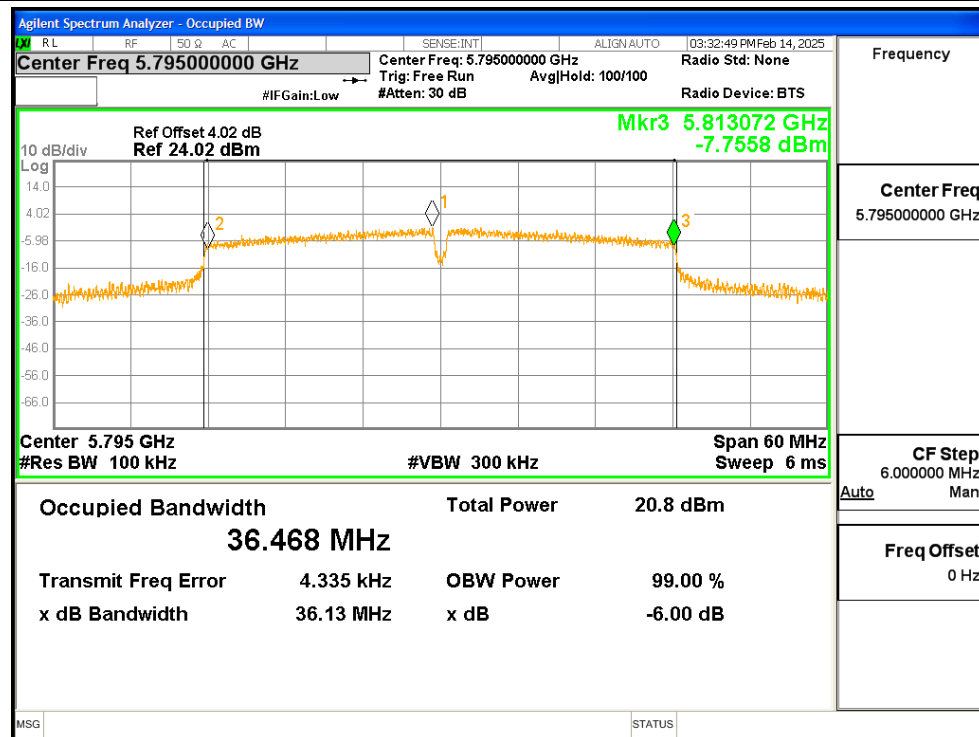


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-6dB Bandwidth NVNT n40 5755MHz Ant1

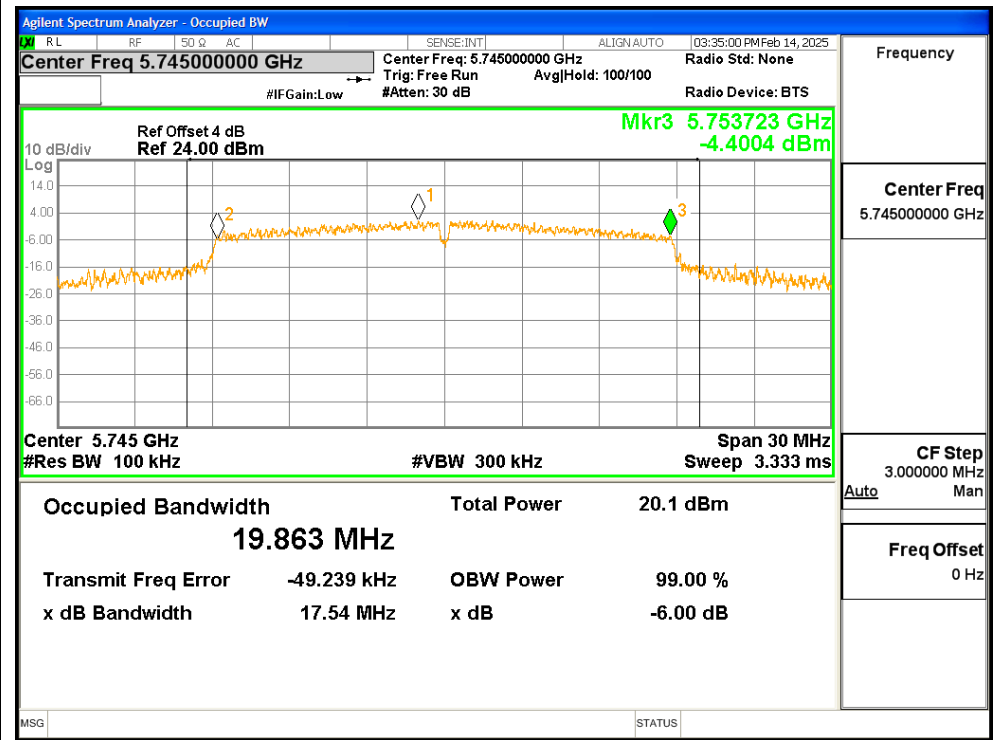


-6dB Bandwidth NVNT n40 5795MHz Ant1

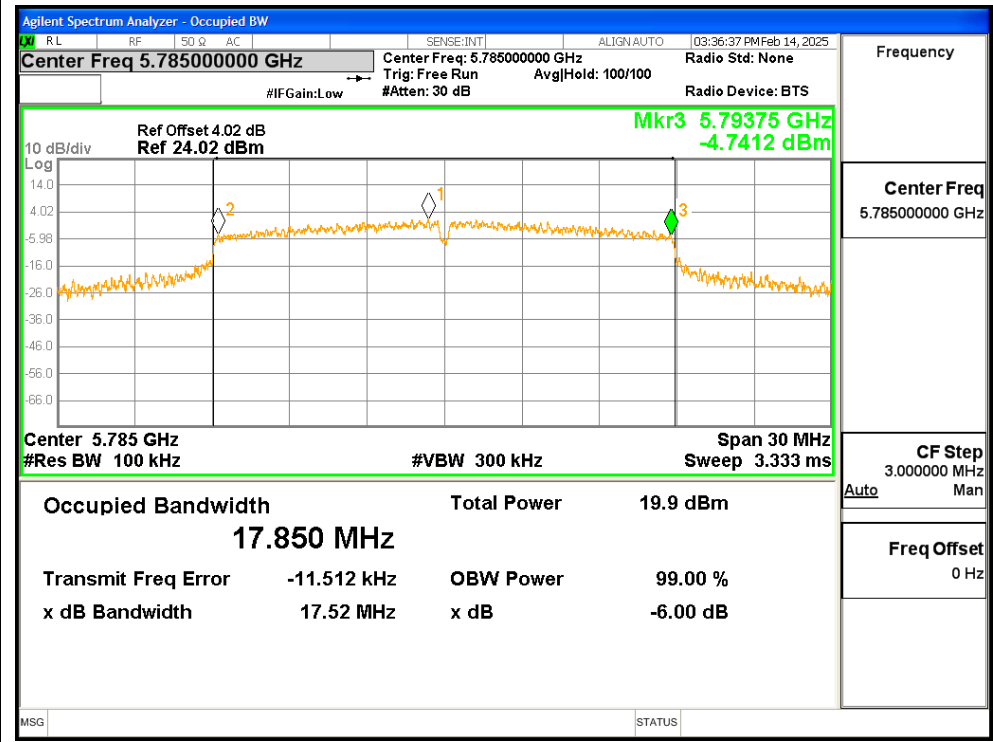


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-6dB Bandwidth NVNT ac20 5745MHz Ant1

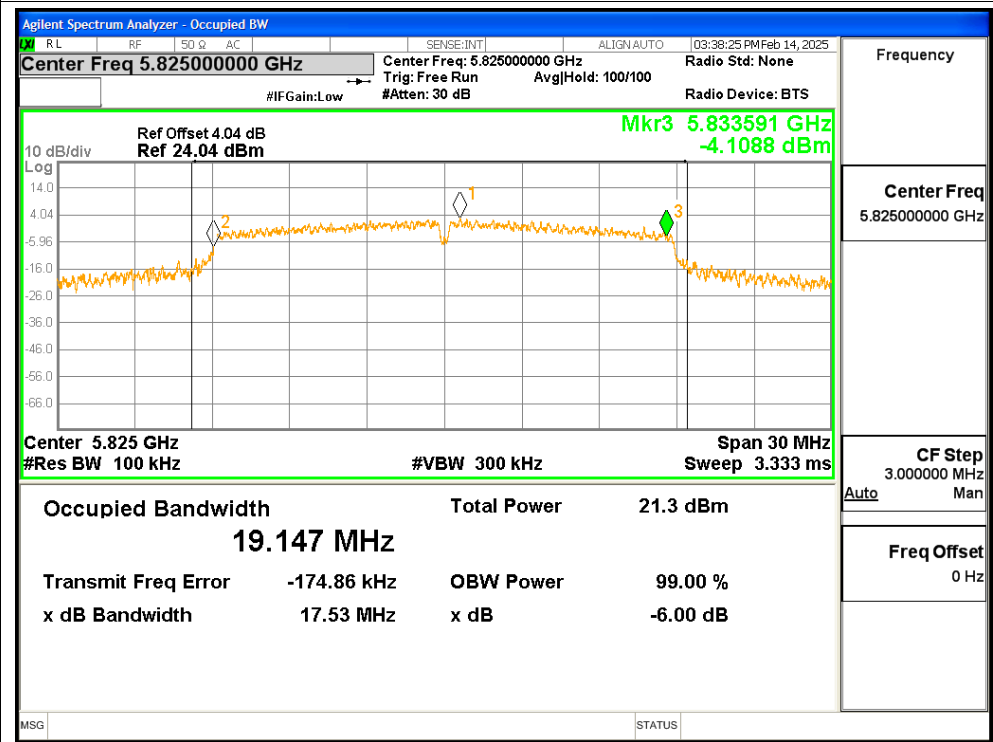


-6dB Bandwidth NVNT ac20 5785MHz Ant1

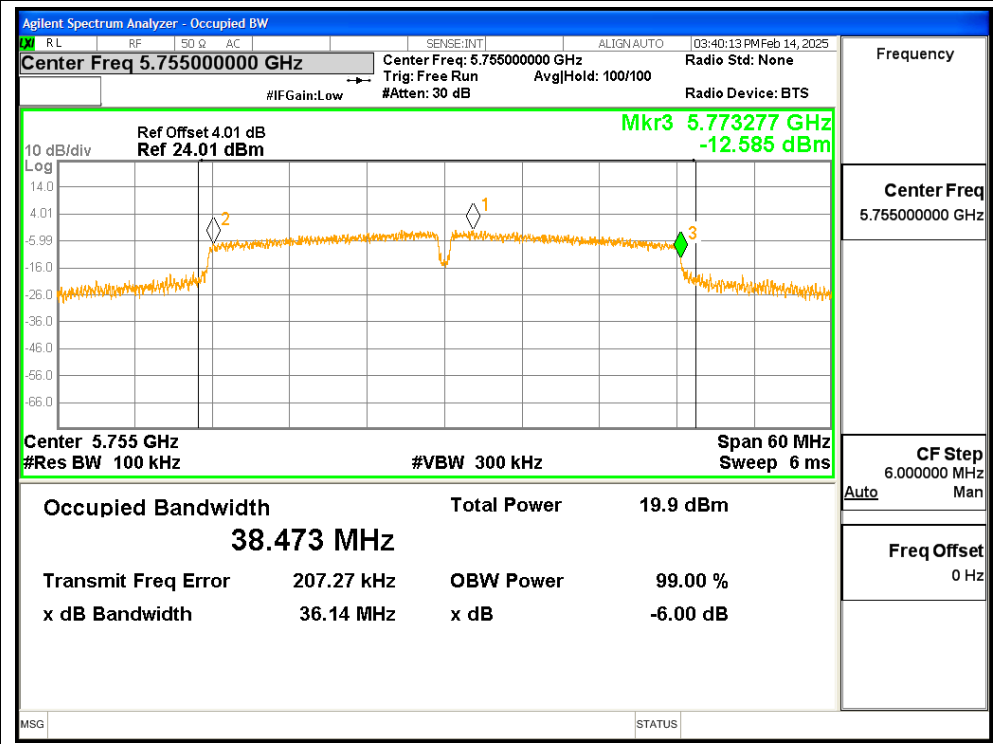


GTSL2025020052F07

-6dB Bandwidth NVNT ac20 5825MHz Ant1

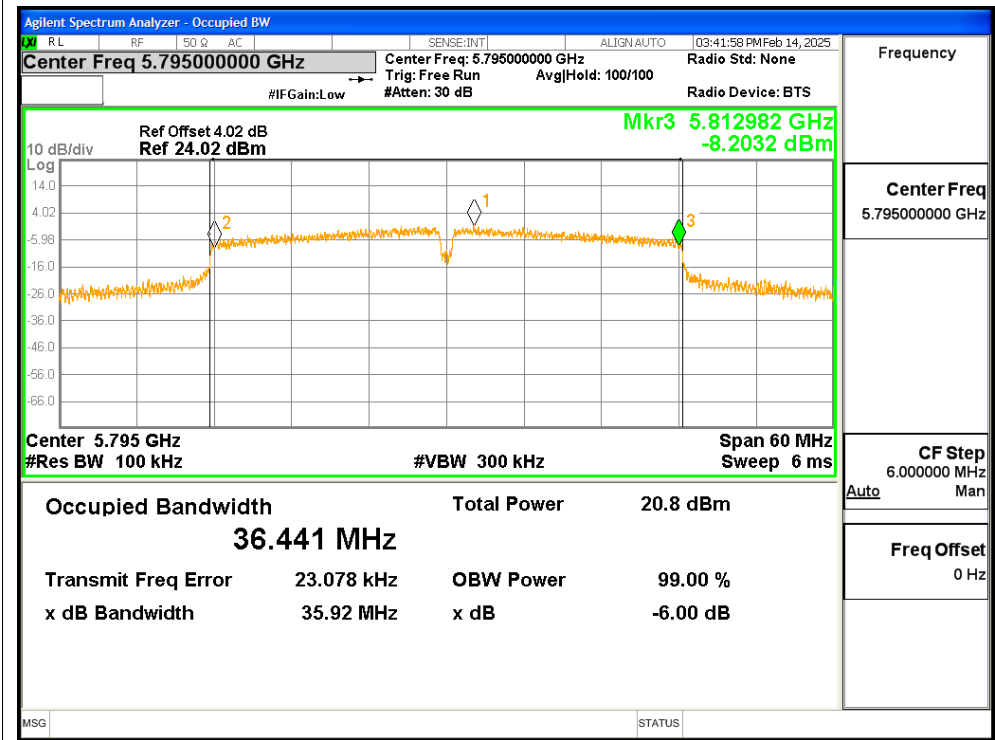


-6dB Bandwidth NVNT ac40 5755MHz Ant1

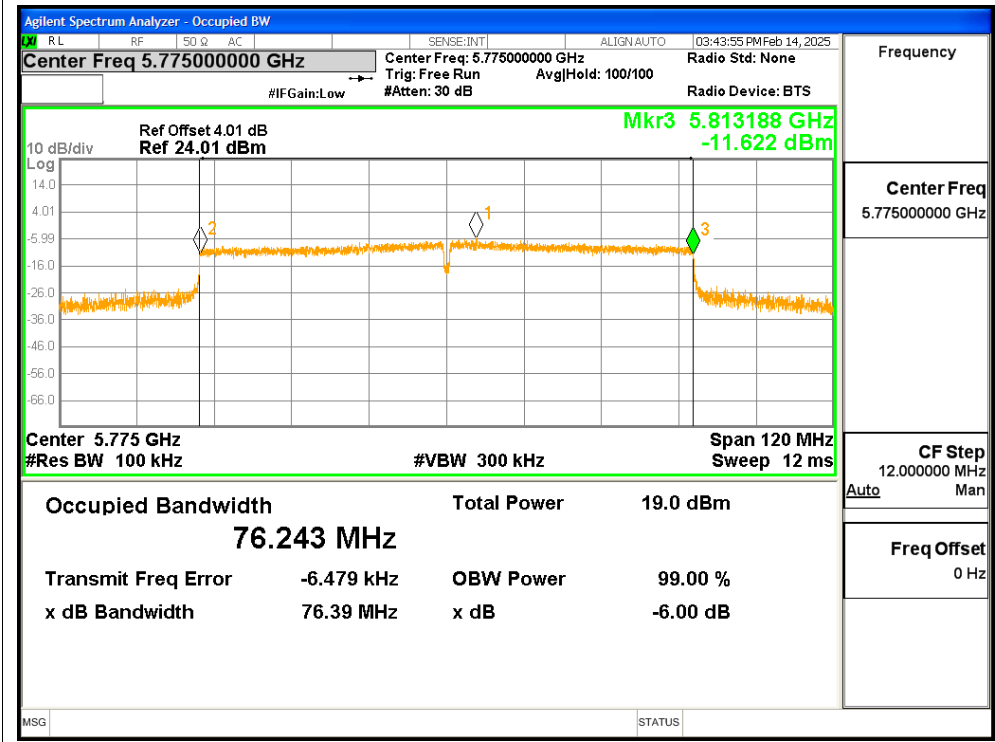


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-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1



GTSL2025020052F07

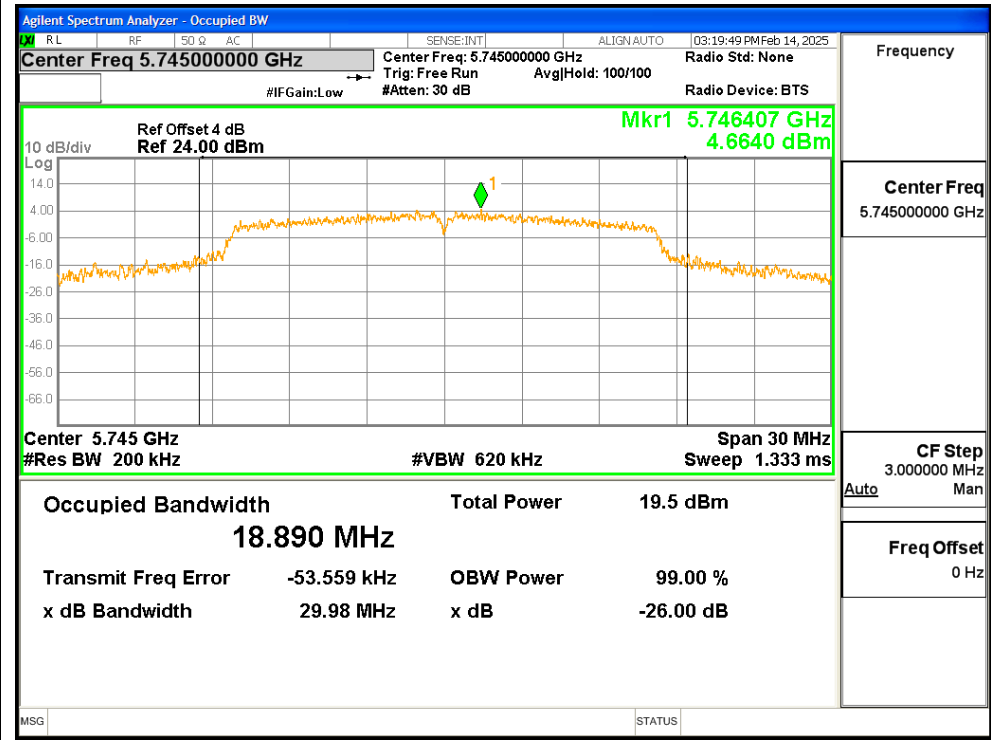
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	18.89
		5785		16.771
		5825		18.589
	n20	5745		20.213
		5785		18.195
		5825		17.715
	n40	5755		38.077
		5795		36.702
	ac20	5745		20.147
		5785		18.052
		5825		19.496
	ac40	5755		38.173
		5795		36.79
	ac80	5775		76.253

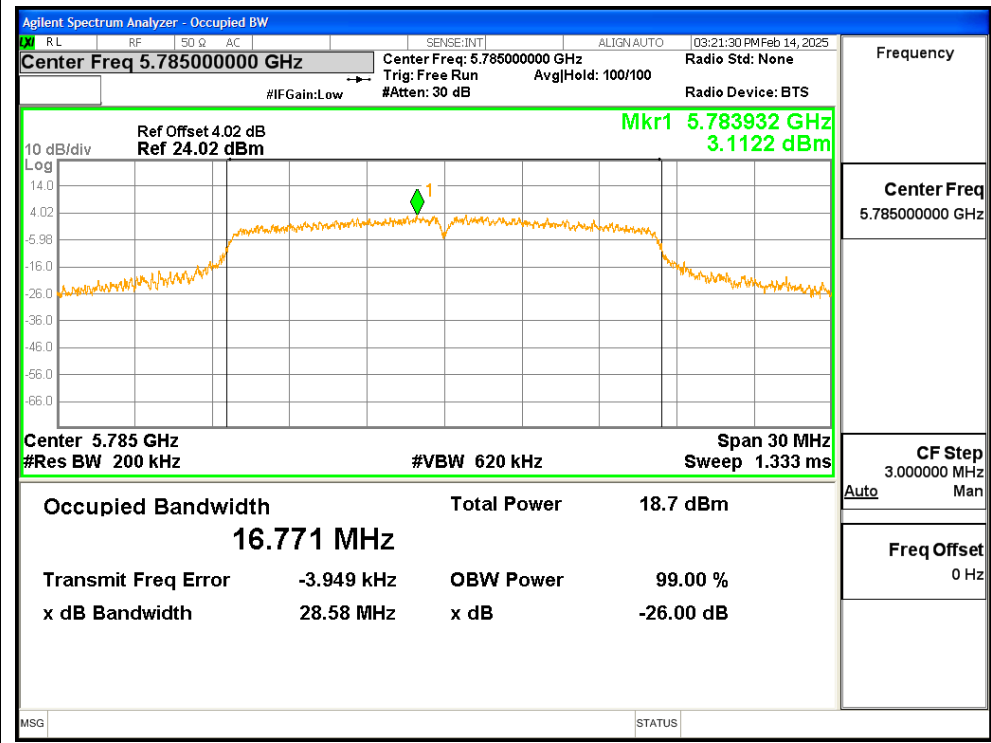
GTSL2025020052F07

Test Graphs

OBW NVNT a 5745MHz Ant1

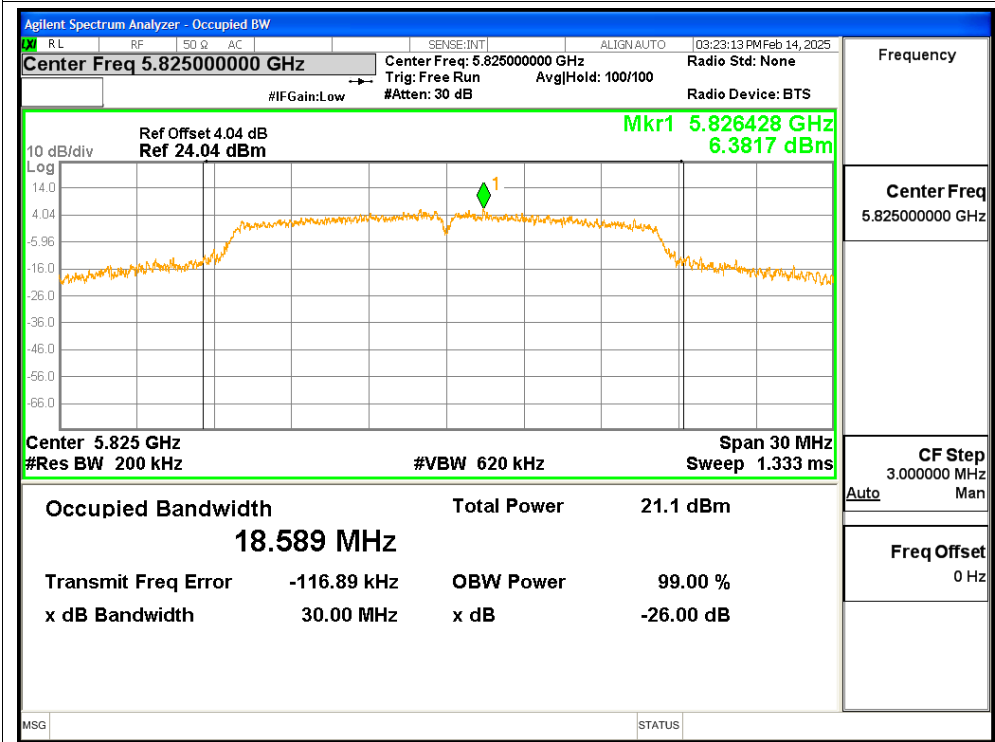


OBW NVNT a 5785MHz Ant1

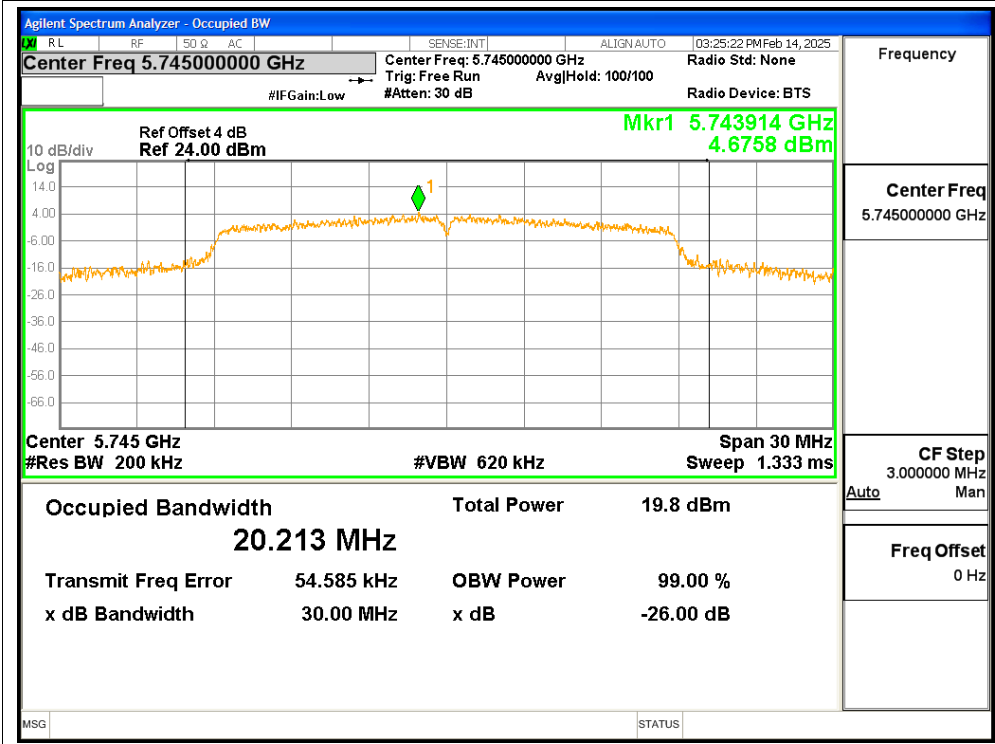


GTSL2025020052F07

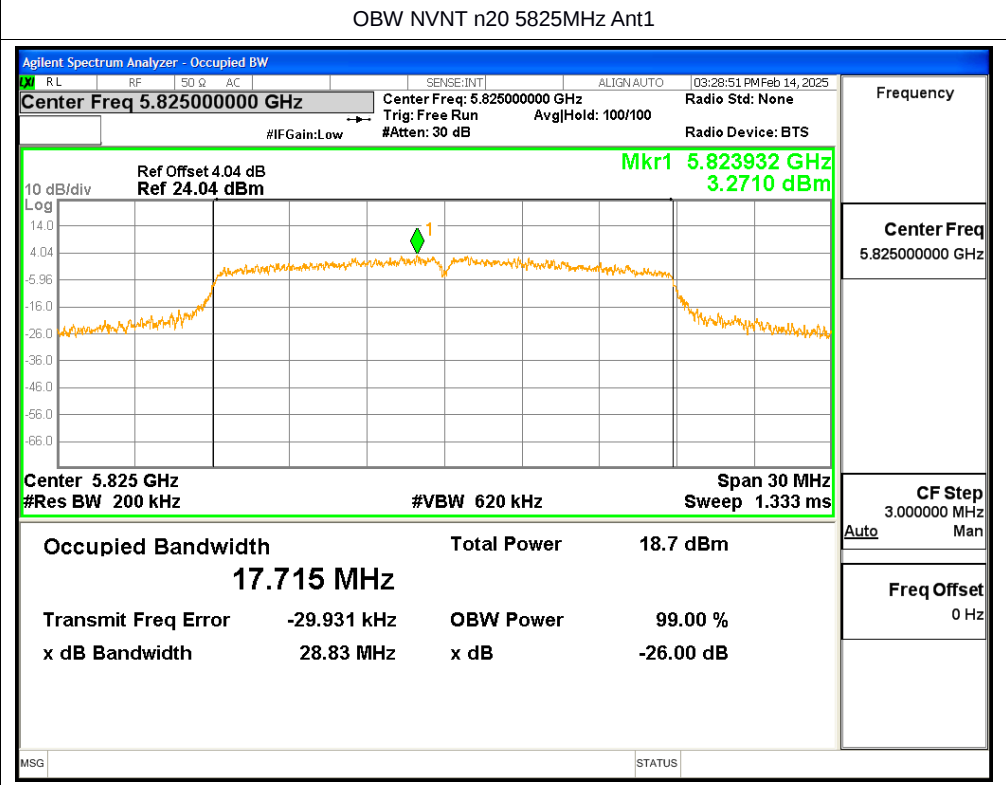
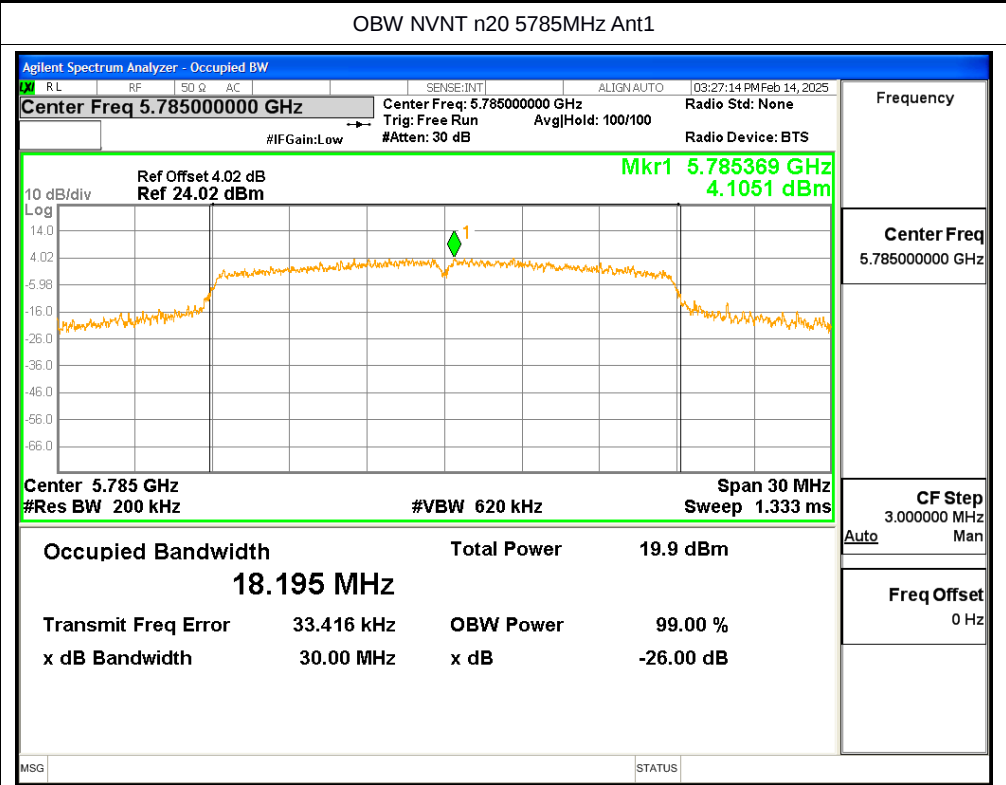
OBW NVNT a 5825MHz Ant1



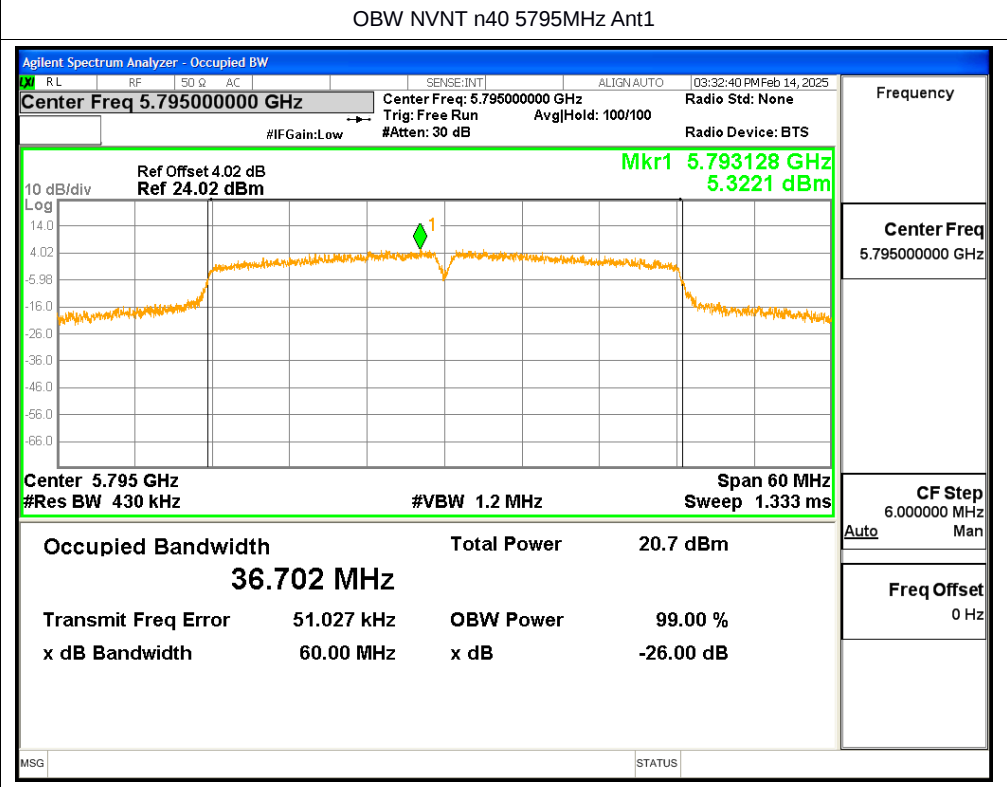
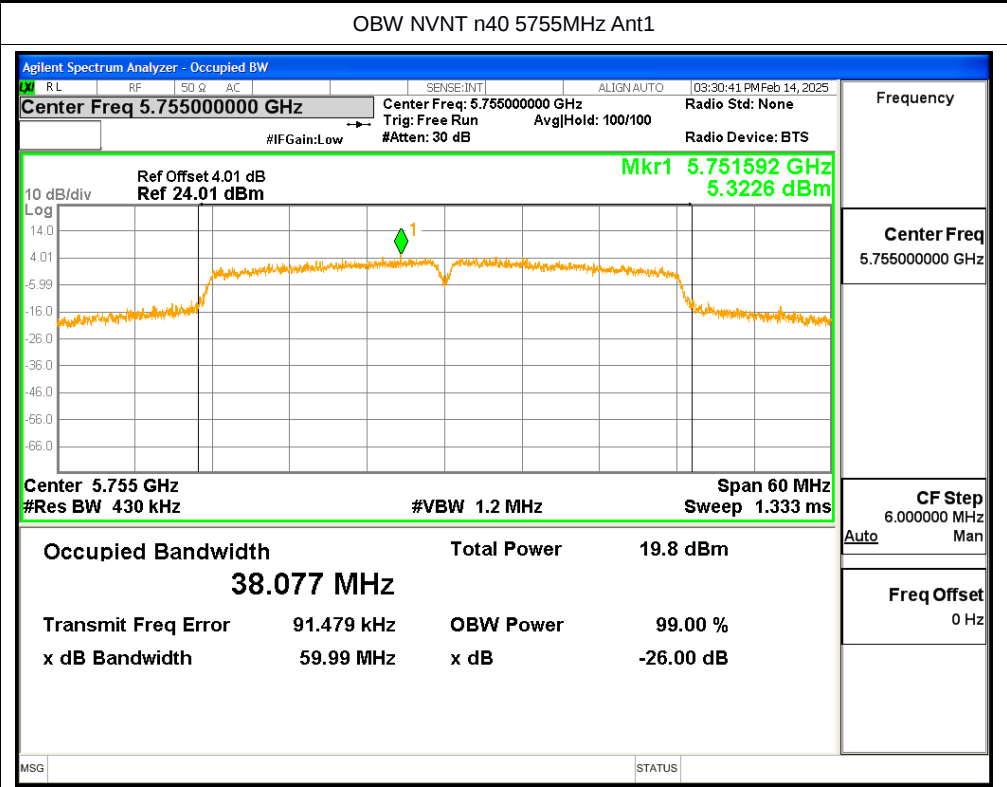
OBW NVNT n20 5745MHz Ant1



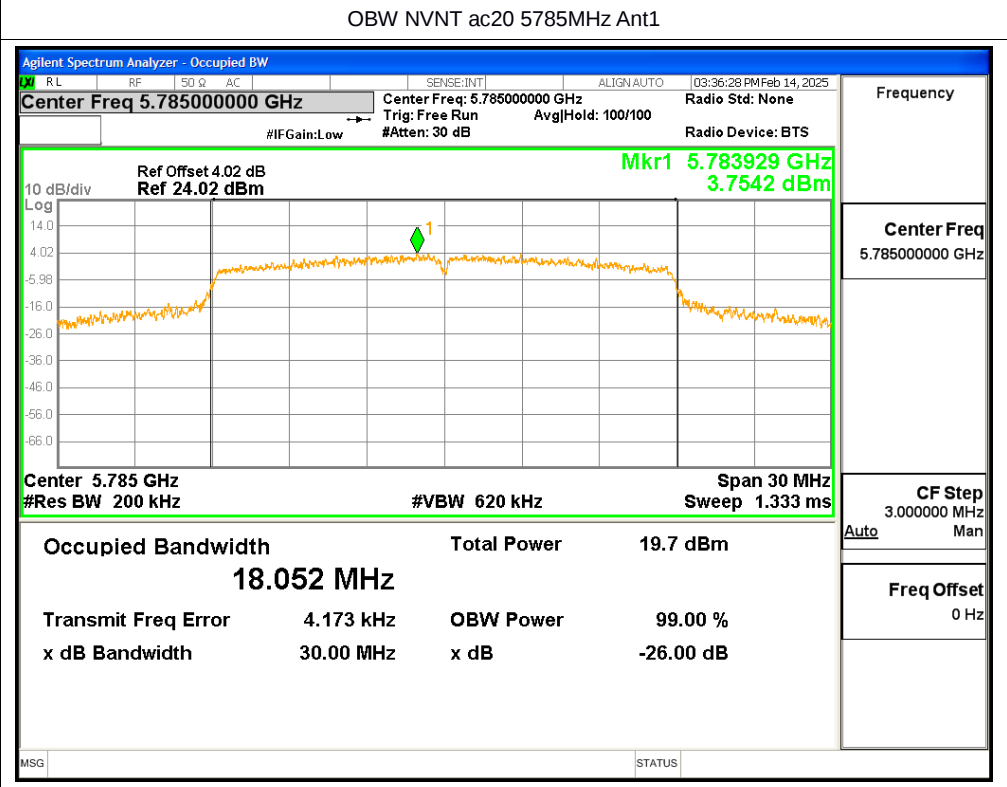
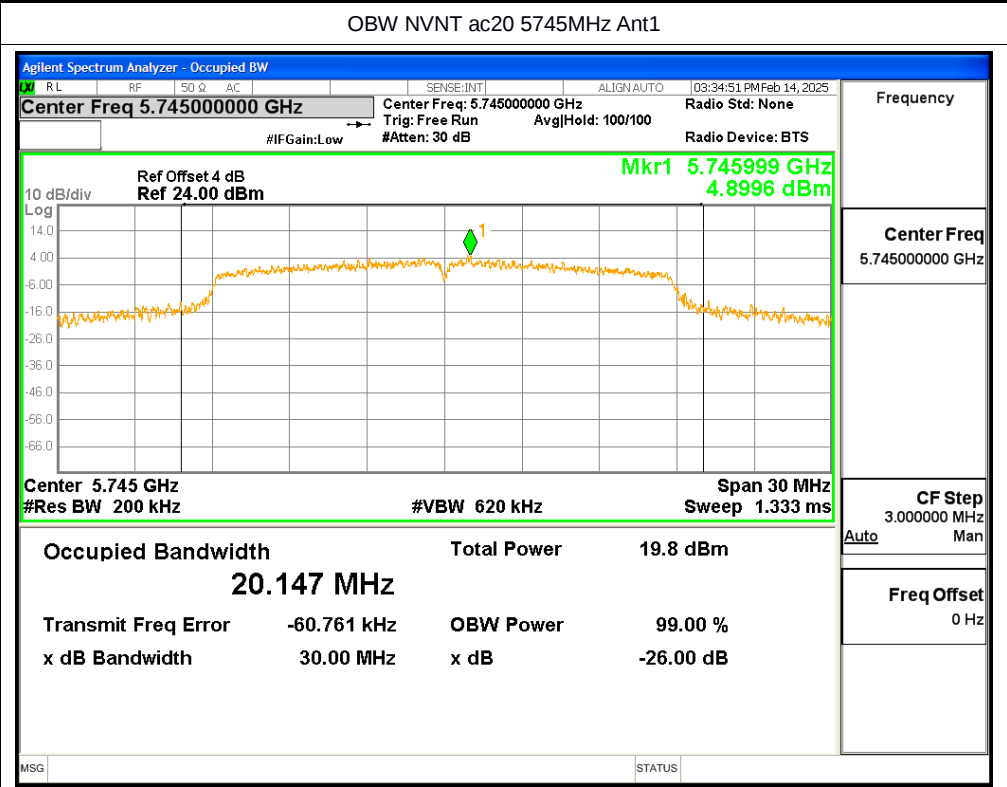
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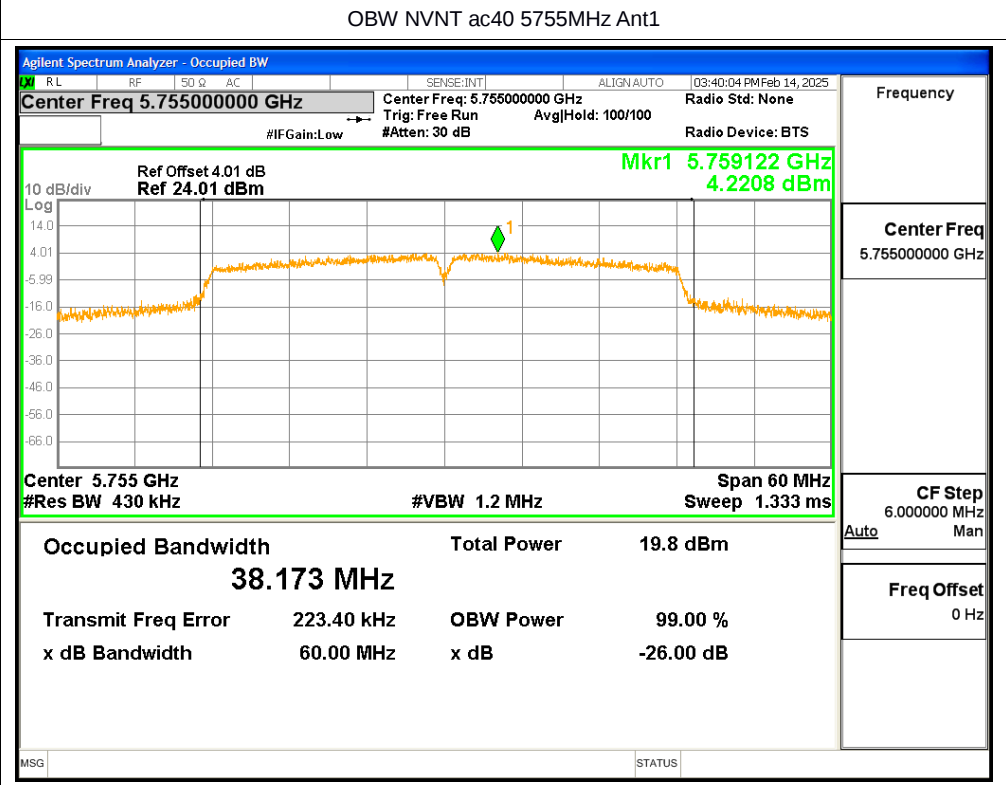
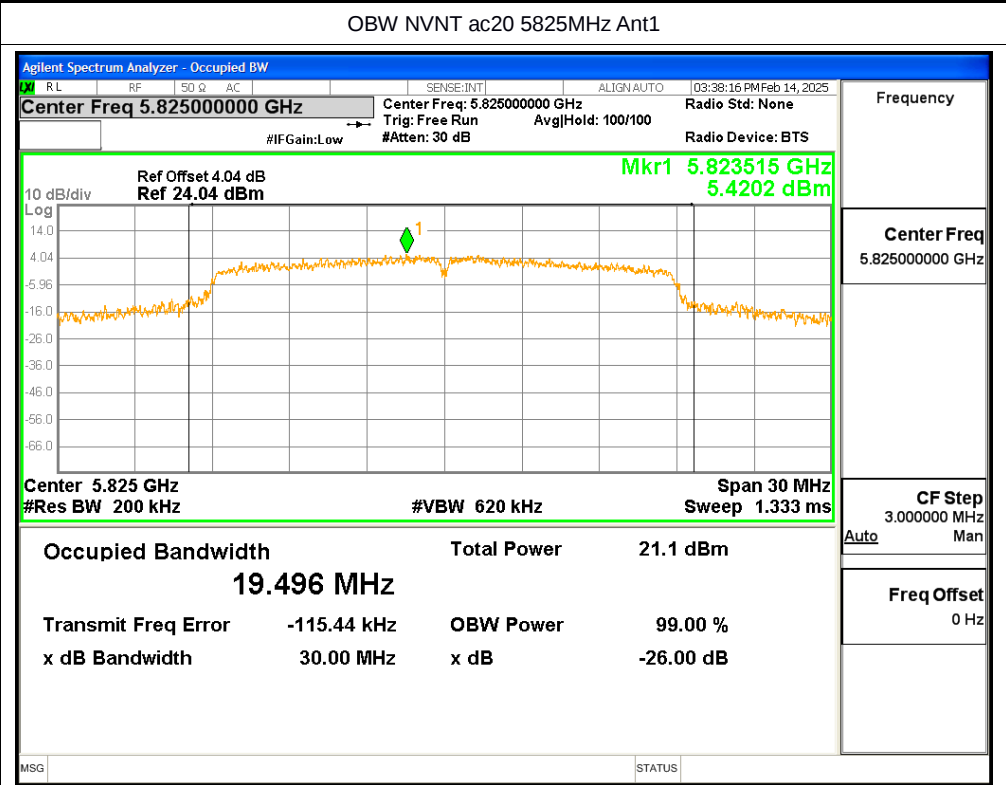
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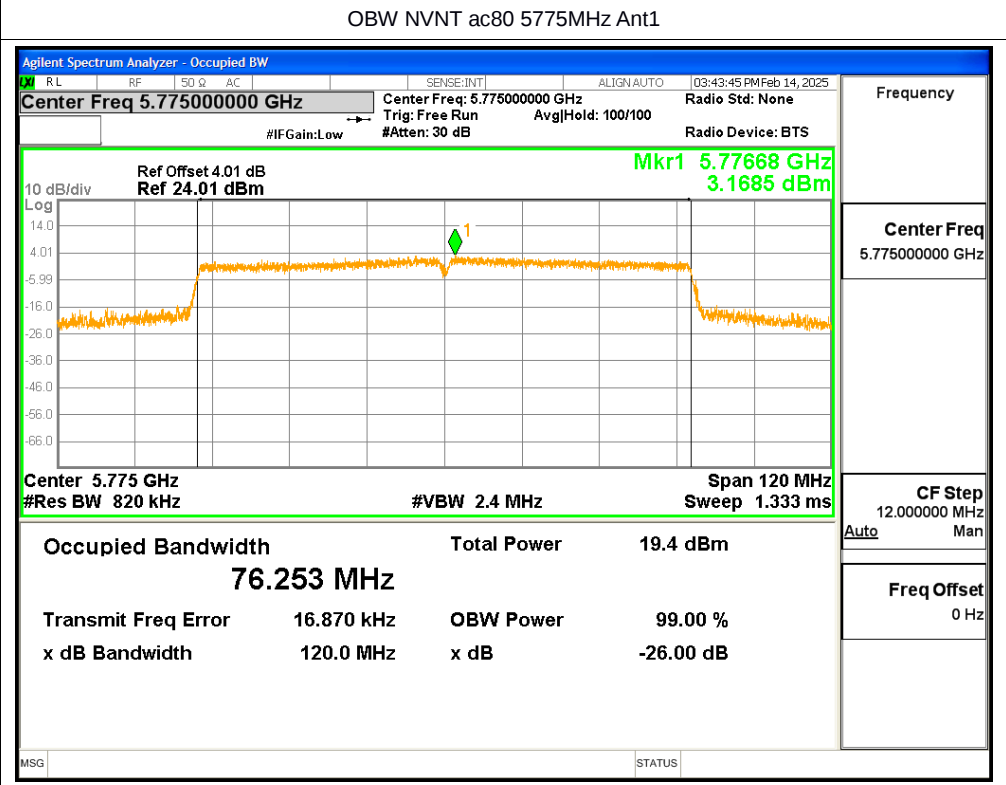
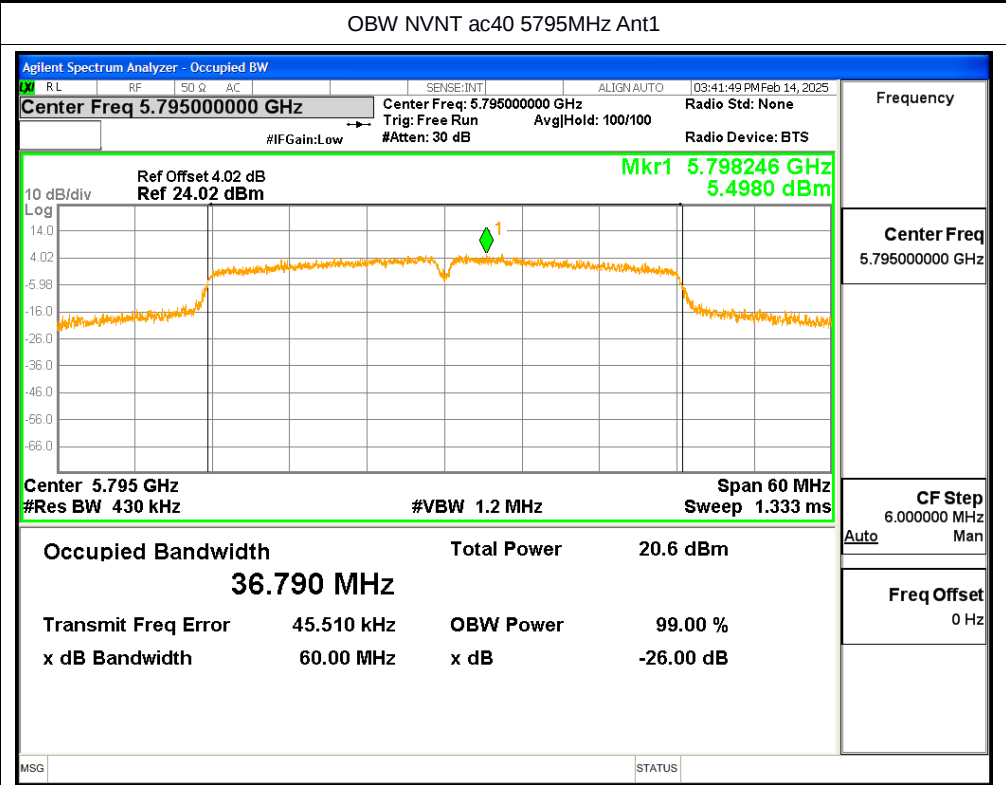
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GTSL2025020052F07



GTSL2025020052F07



GTSL2025020052F07

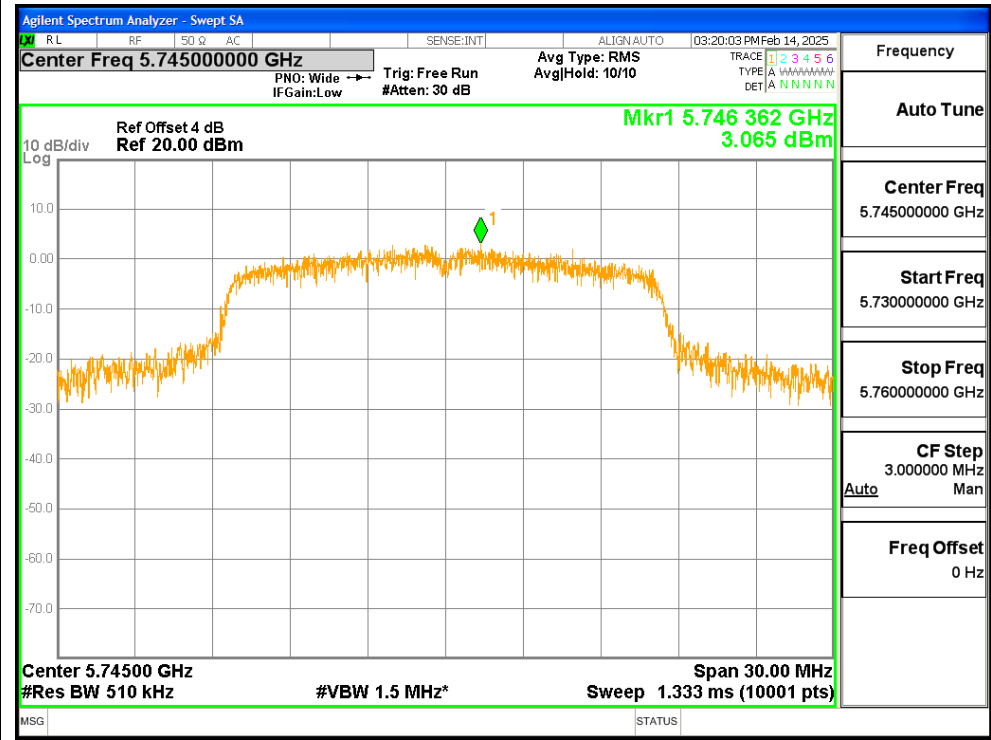
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	3.07	0	3.07	30	Pass
		5785		1	0	1	30	Pass
		5825		2.87	0	2.87	30	Pass
	n20	5745		1.51	0	1.51	30	Pass
		5785		1.83	0	1.83	30	Pass
		5825		0.48	0	0.48	30	Pass
	n40	5755		-1.56	0	-1.56	30	Pass
		5795		-0.38	0	-0.38	30	Pass
	ac20	5745		1.76	0	1.76	30	Pass
		5785		1.67	0	1.67	30	Pass
		5825		2.76	0	2.76	30	Pass
	ac40	5755		-1.76	0	-1.76	30	Pass
		5795		-0.51	0	-0.51	30	Pass
	ac80	5775		-6.33	0	-6.33	30	Pass

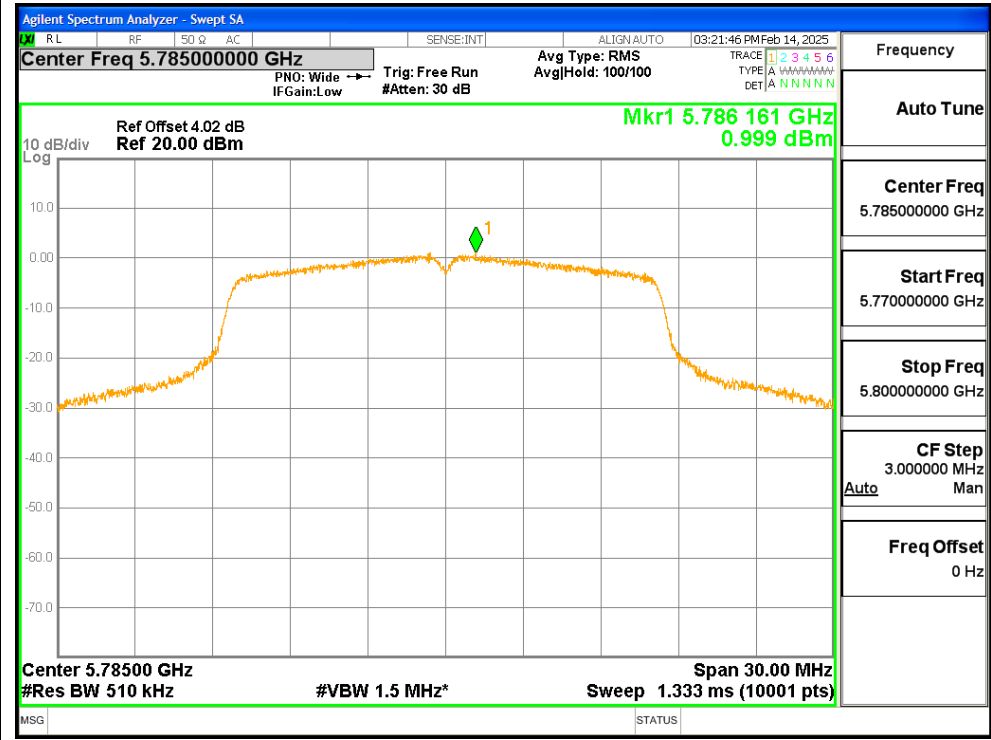
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Test Graphs

PSD NVNT a 5745MHz Ant1

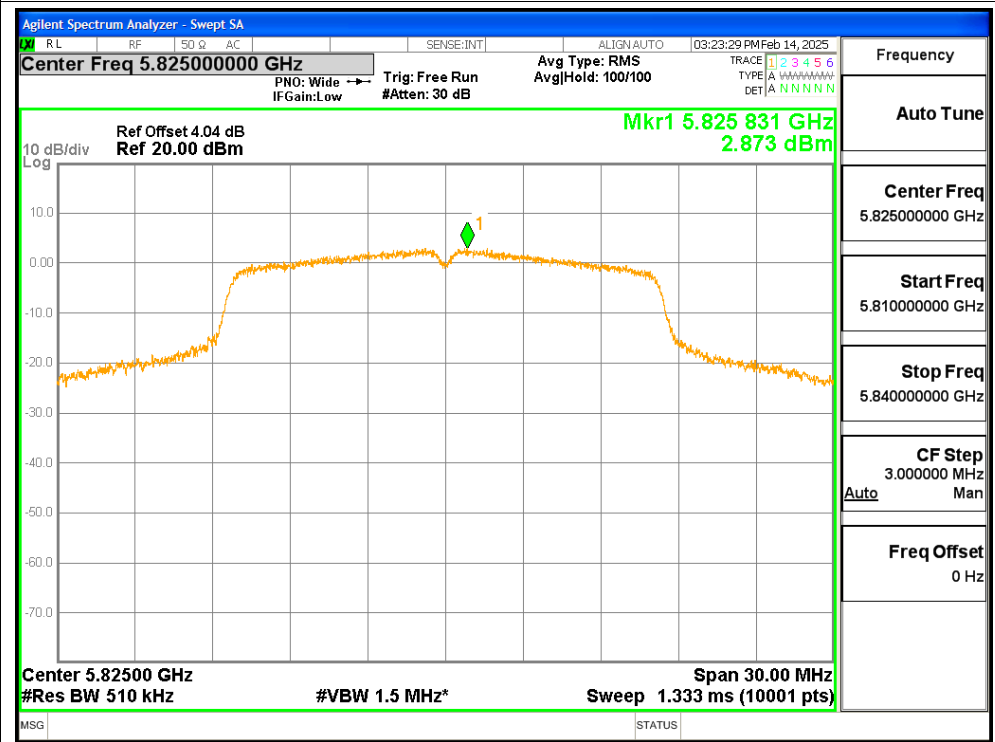


PSD NVNT a 5785MHz Ant1

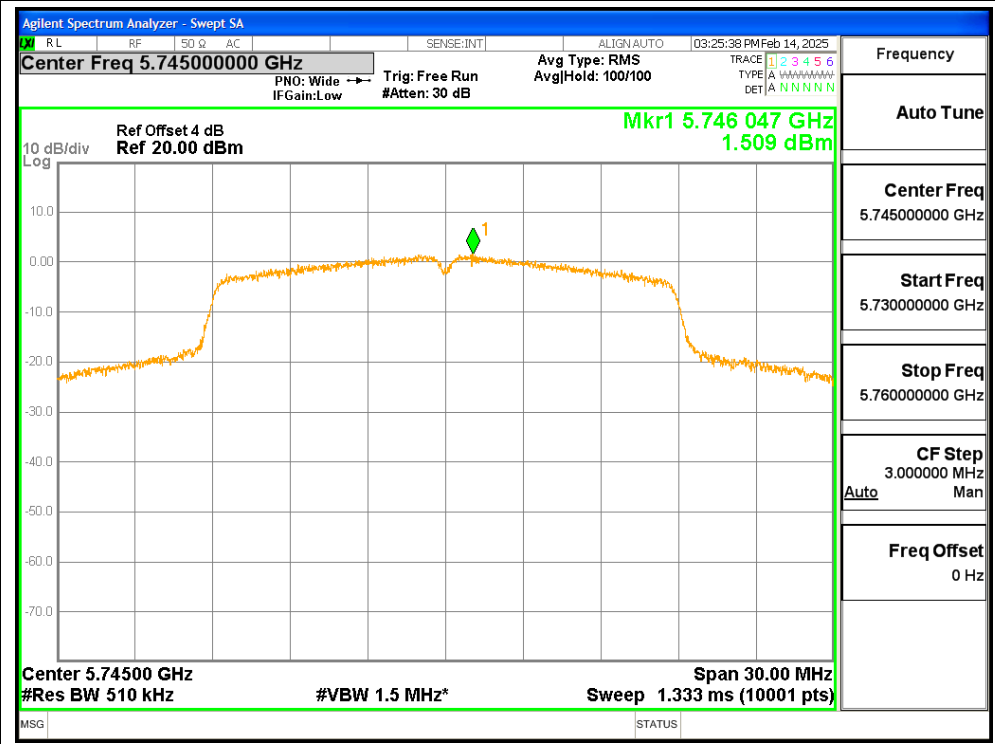


GTSL2025020052F07

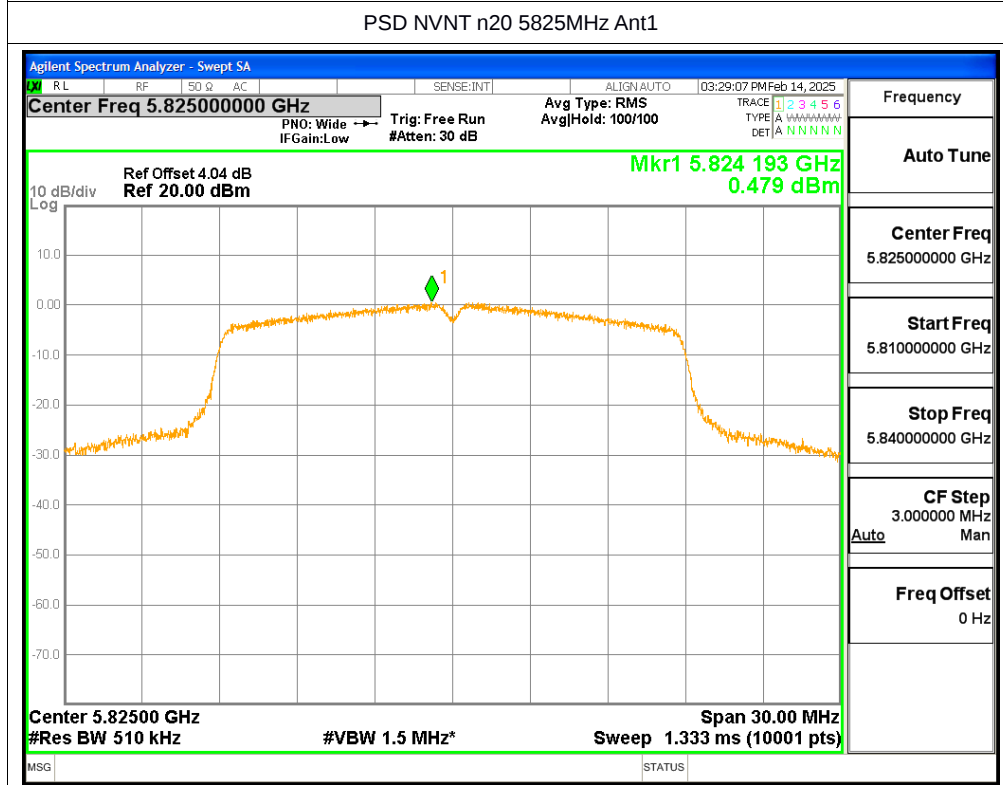
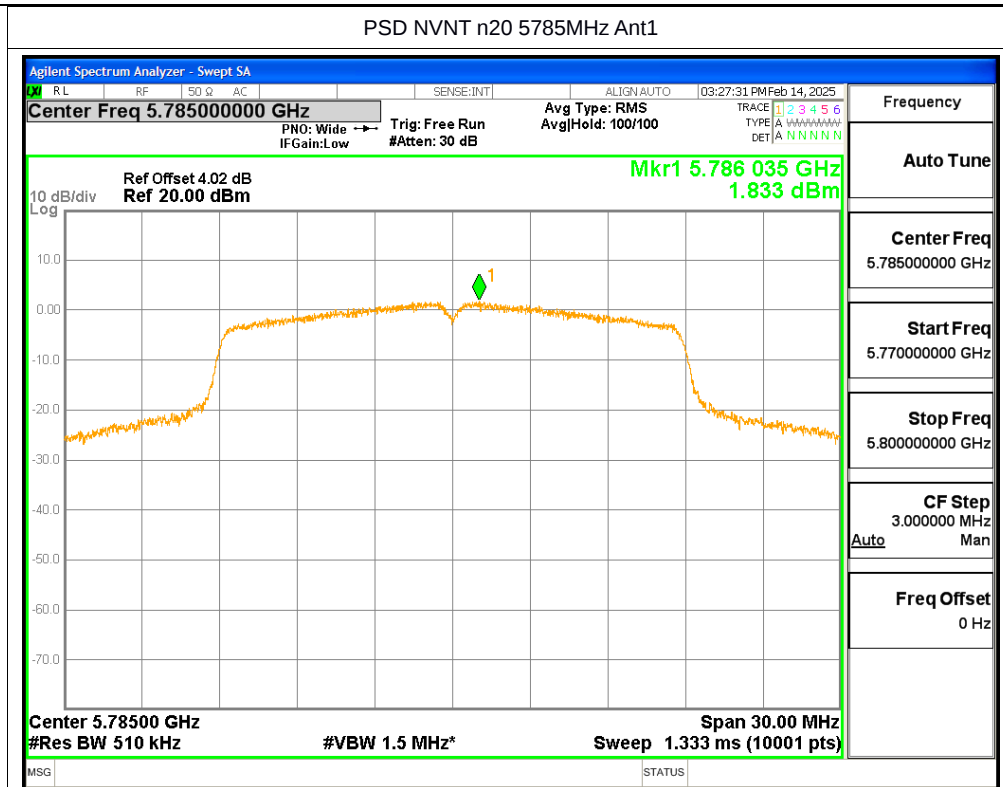
PSD NVNT a 5825MHz Ant1



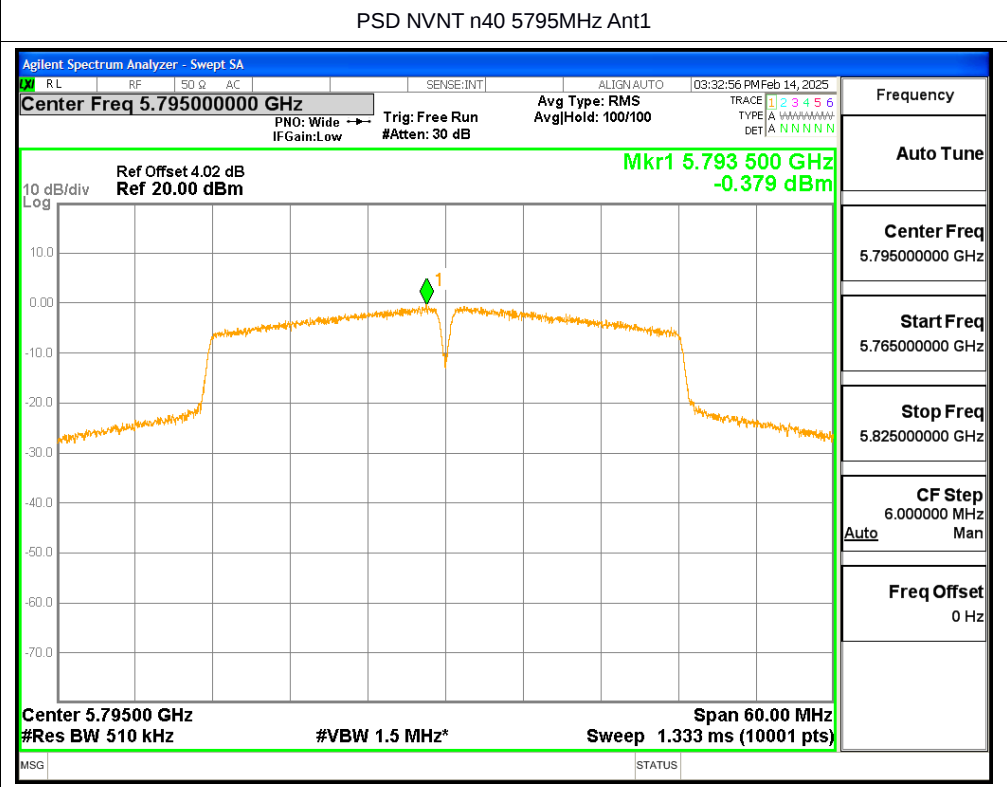
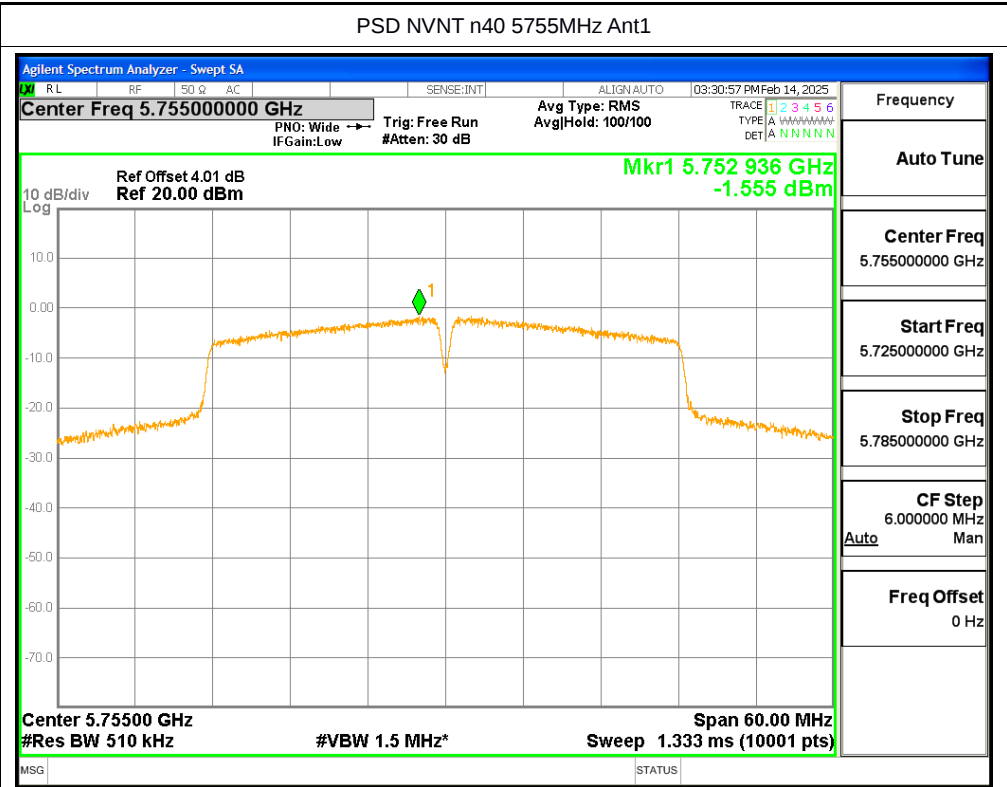
PSD NVNT n20 5745MHz Ant1



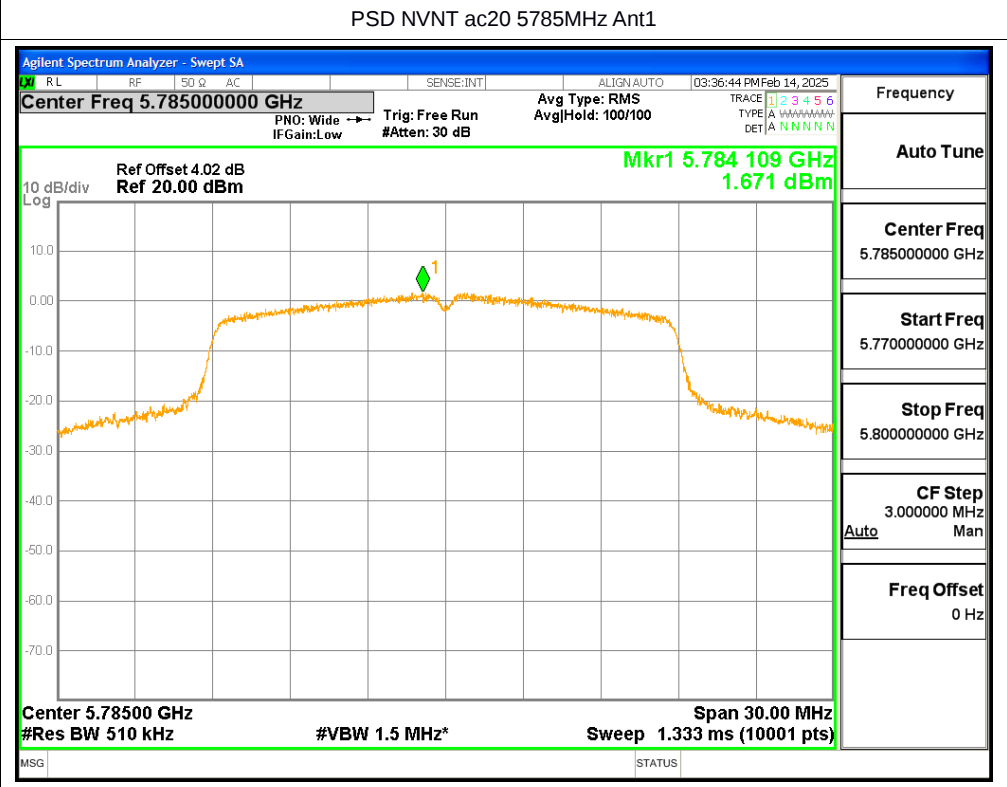
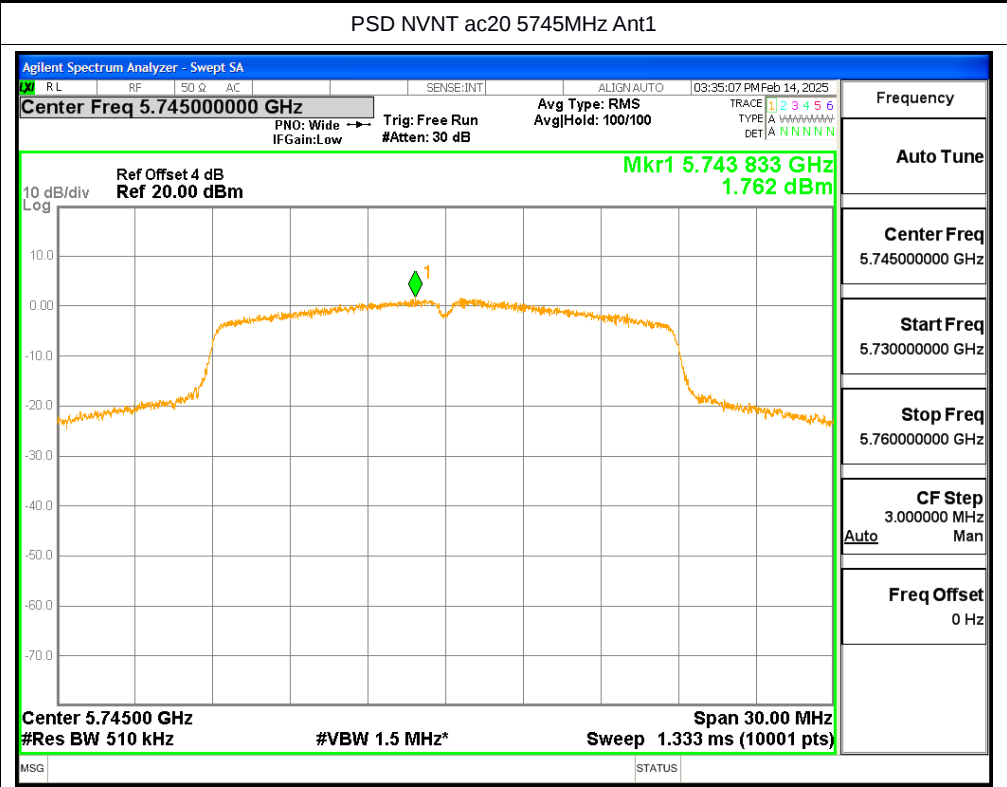
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GTSL2025020052F07

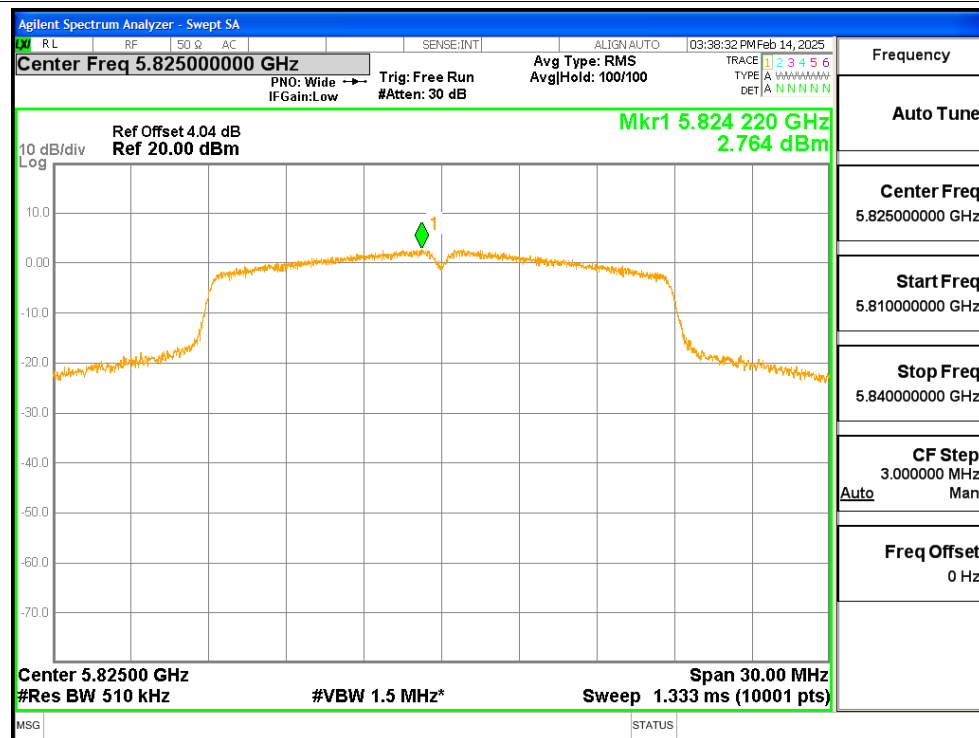


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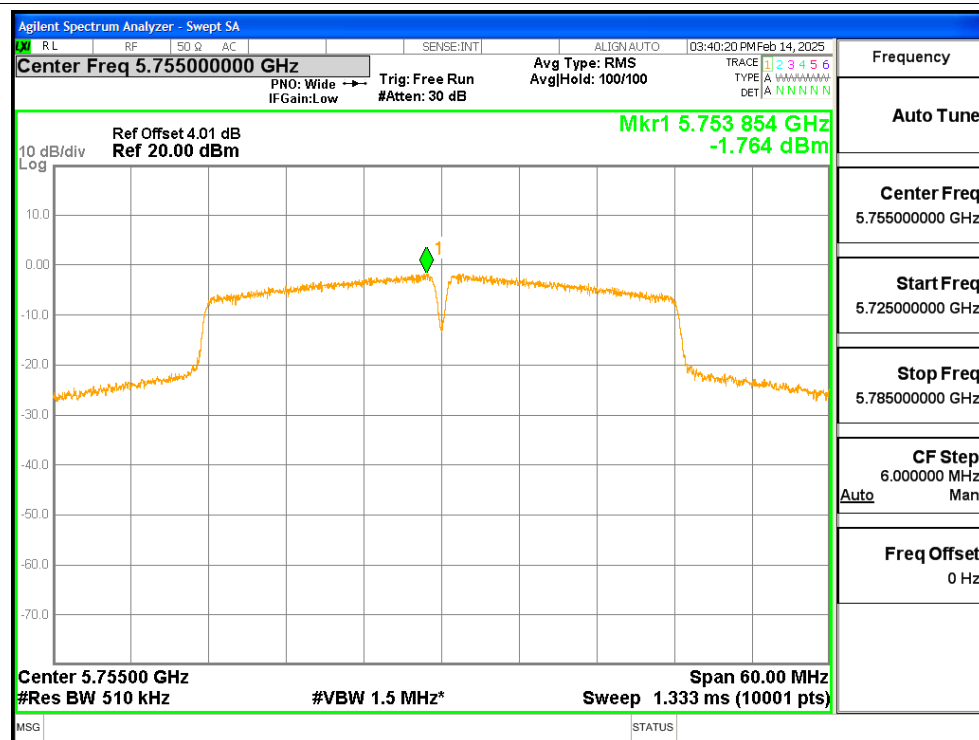


GTSL2025020052F07

PSD NVNT ac20 5825MHz Ant1

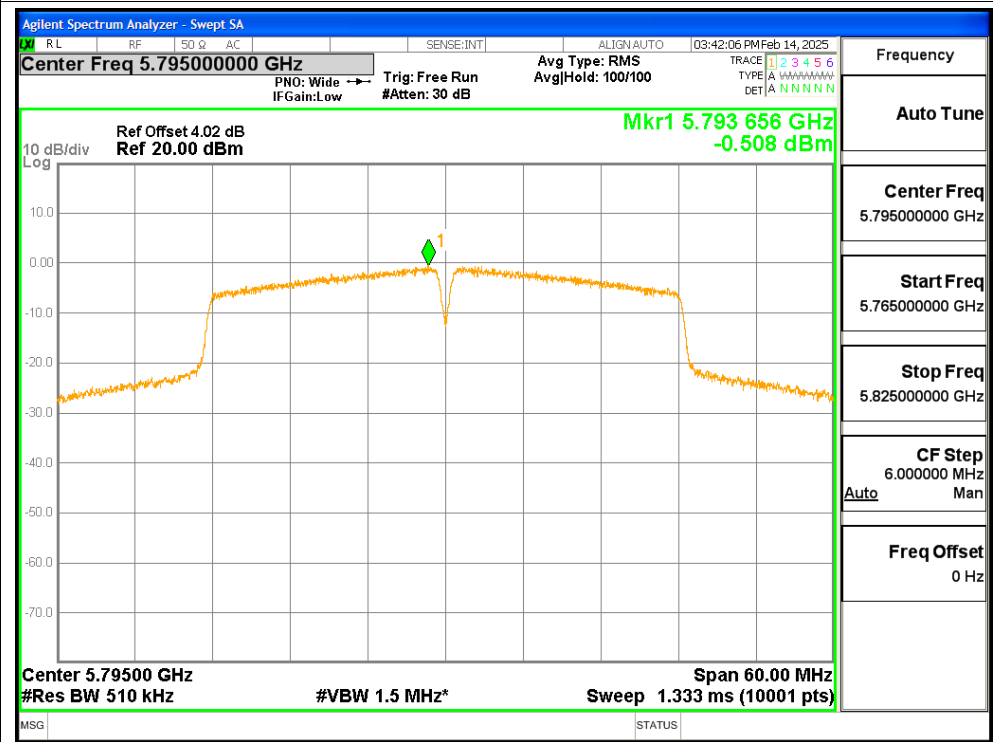


PSD NVNT ac40 5755MHz Ant1

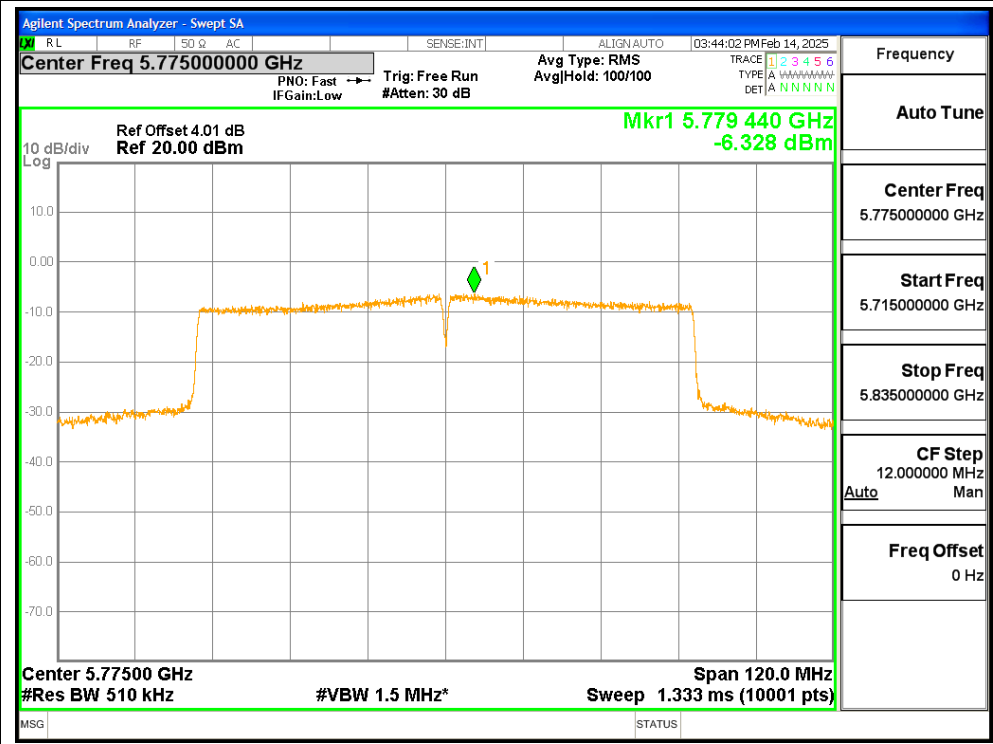


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PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 5775MHz Ant1



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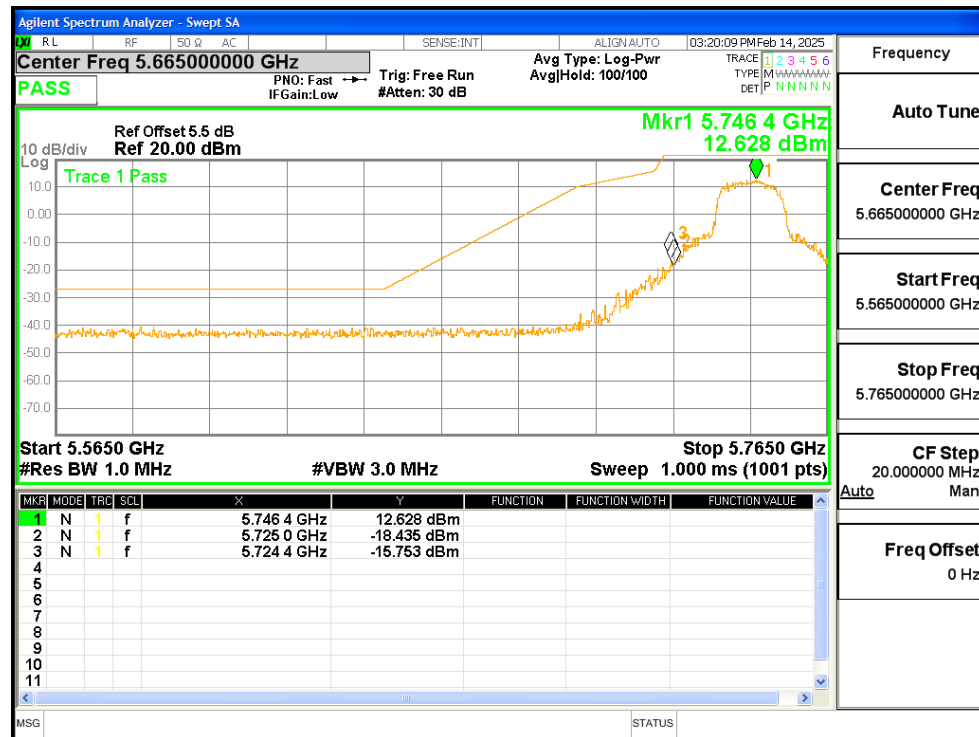
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-15.75		Pass
		5825		-20.68		Pass
	n20	5745		-12.96		Pass
		5825		-26.67		Pass
	n40	5755		-13.1		Pass
		5795		-28.66		Pass
	ac20	5745		-12.38		Pass
		5825		-21.88		Pass
	ac40	5755		-11.96		Pass
		5795		-28.24		Pass

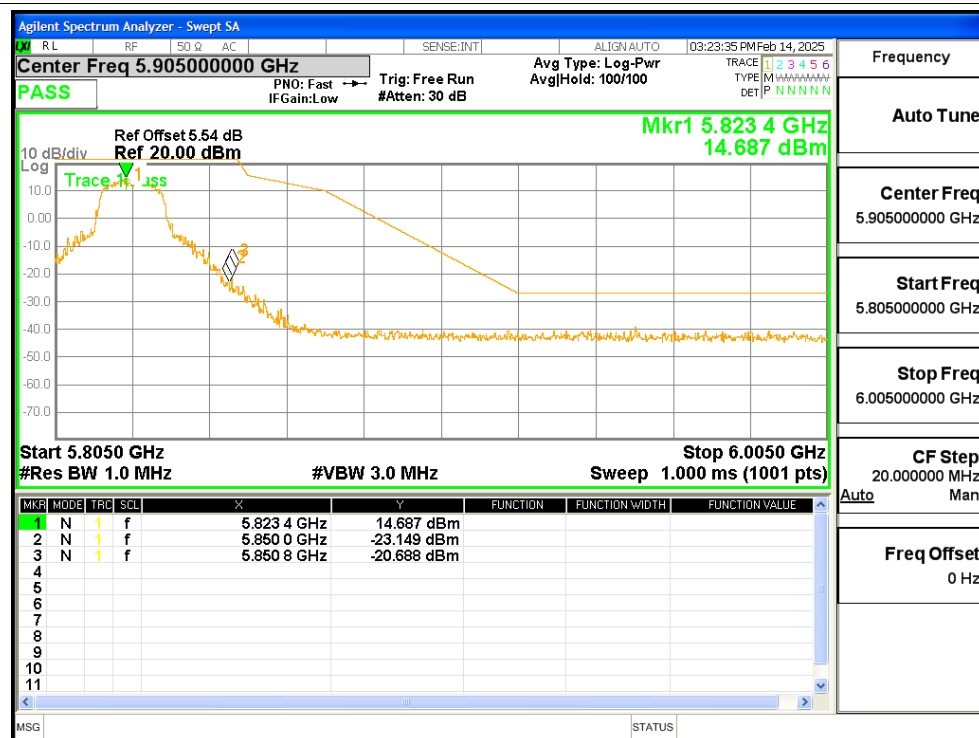
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Test Graphs

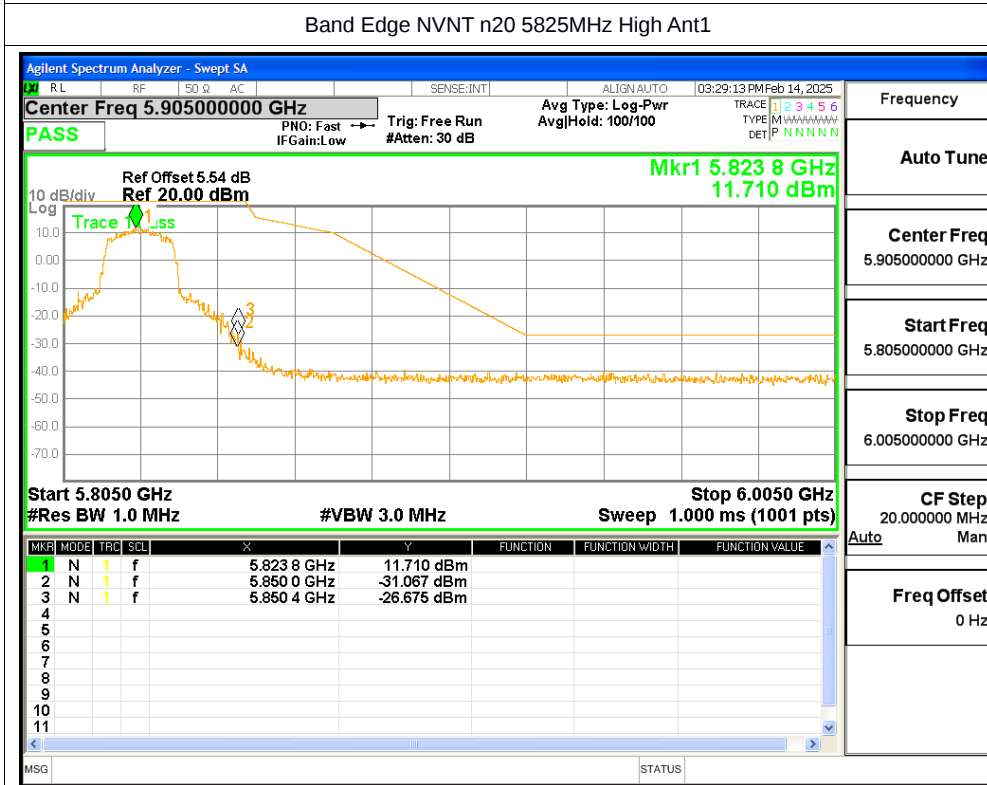
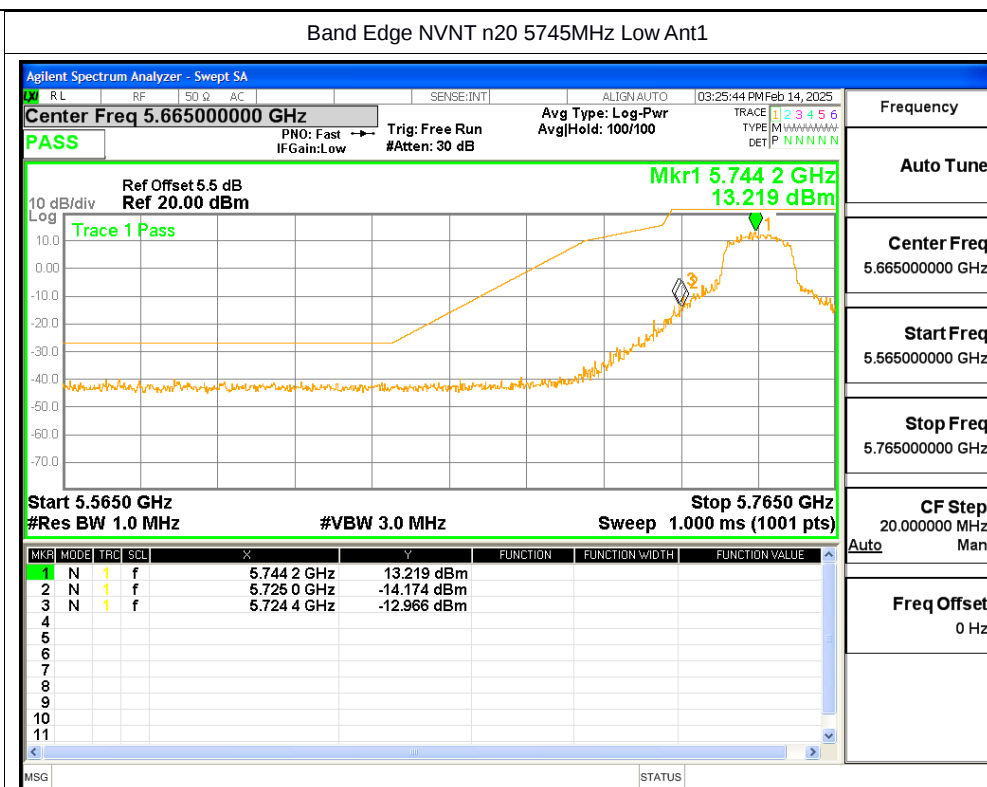
Band Edge NVNT a 5745MHz Low Ant1



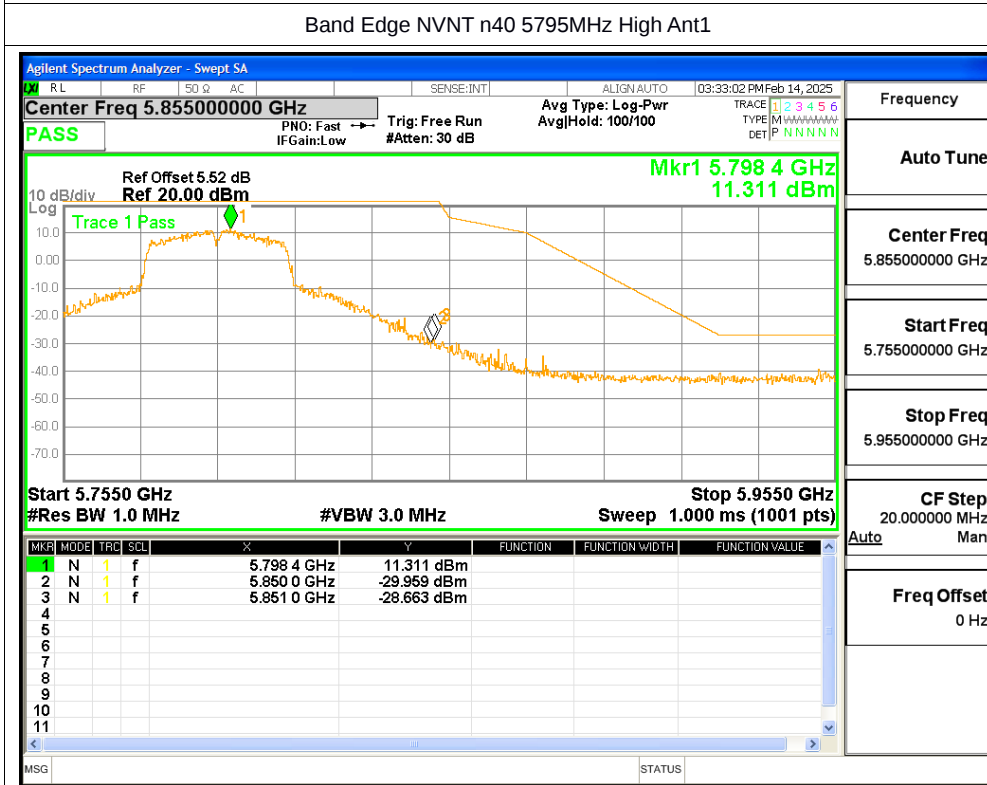
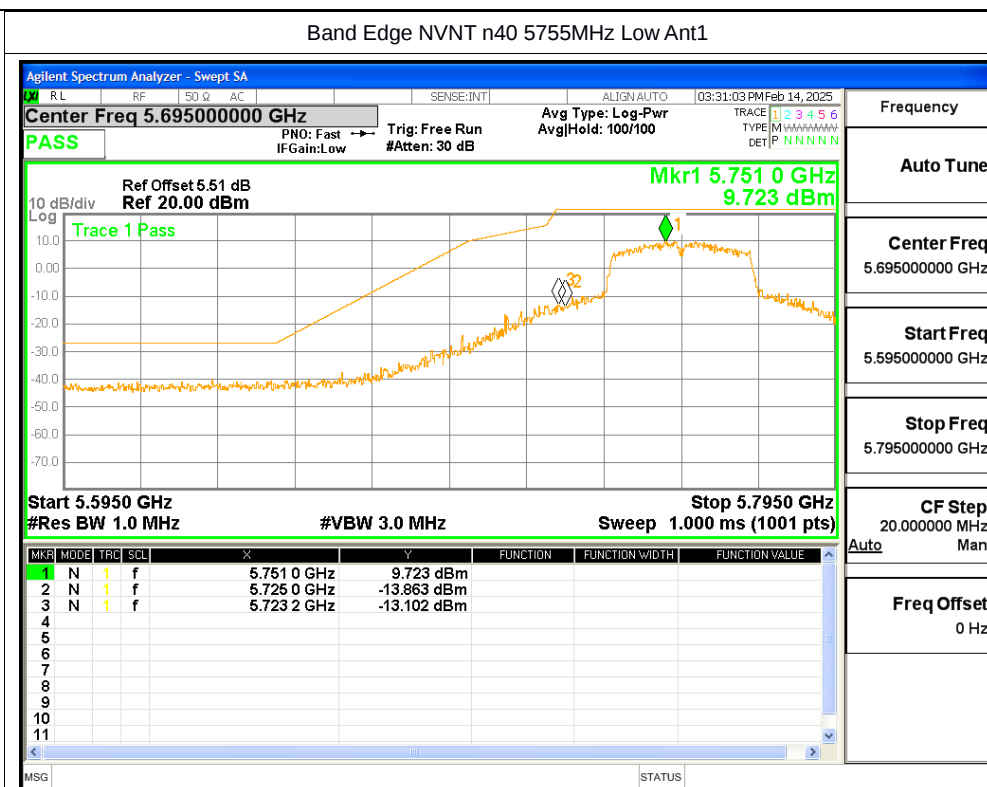
Band Edge NVNT a 5825MHz High Ant1



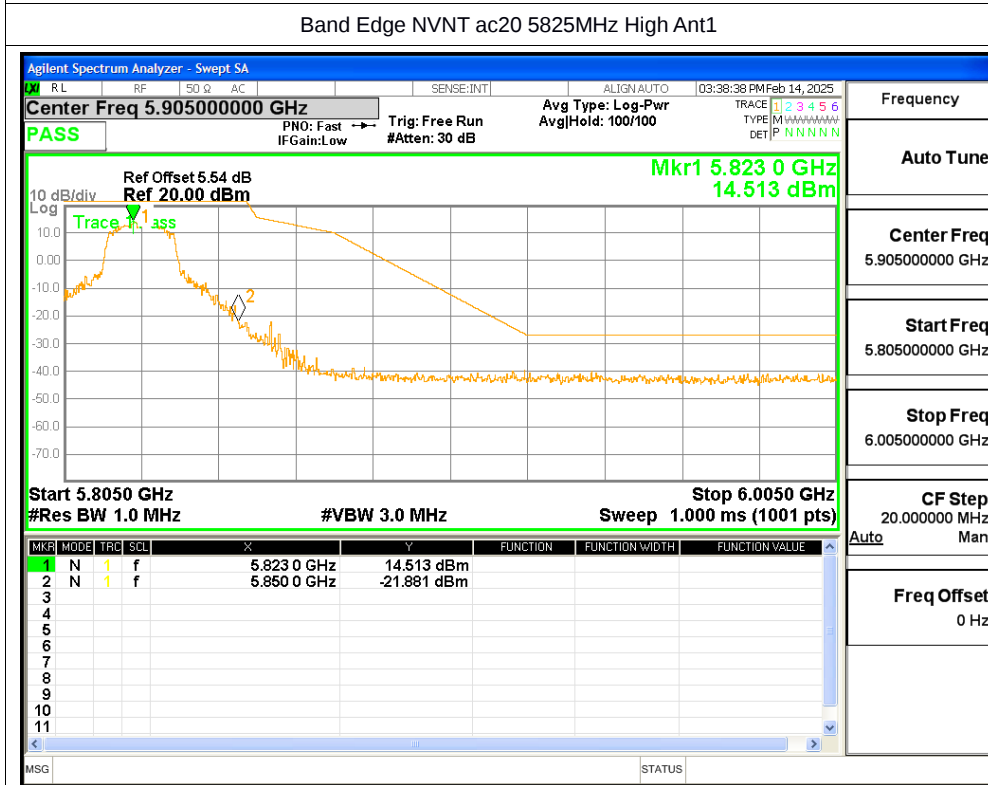
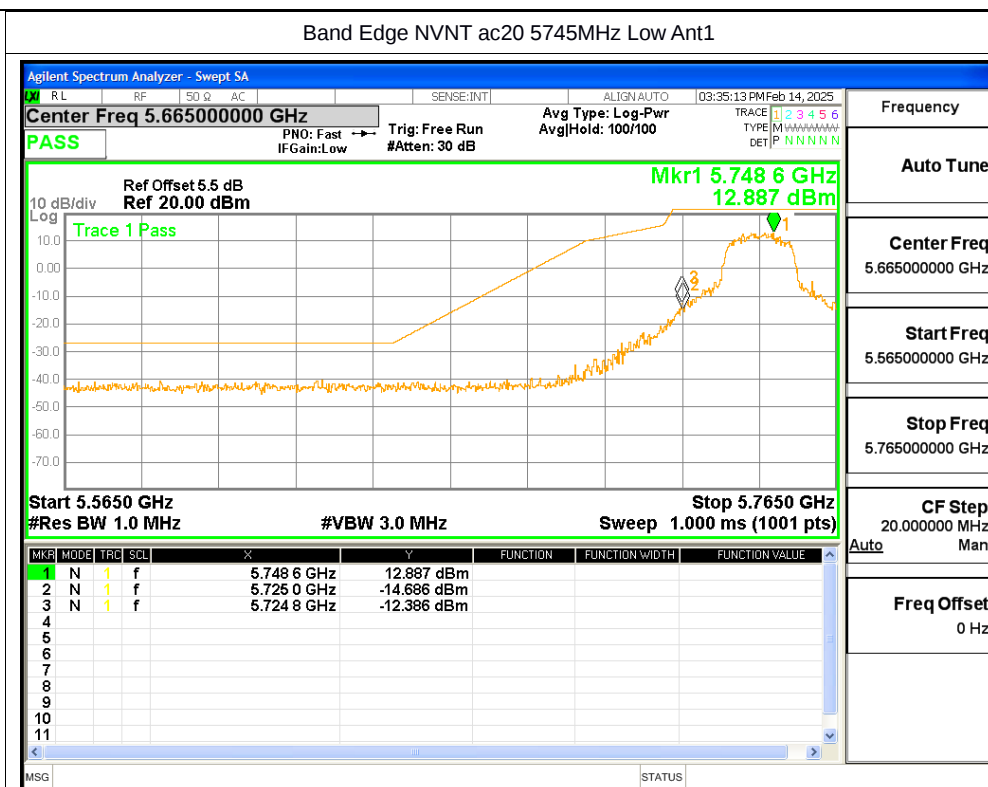
GTSL2025020052F07



GTSL2025020052F07

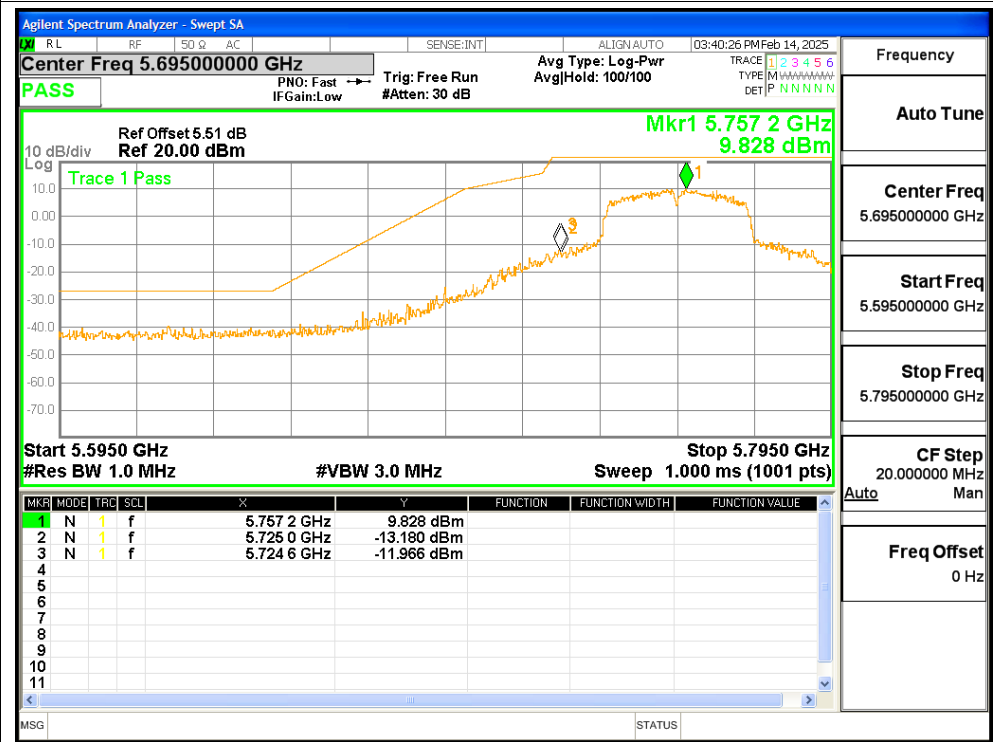


GTSL2025020052F07

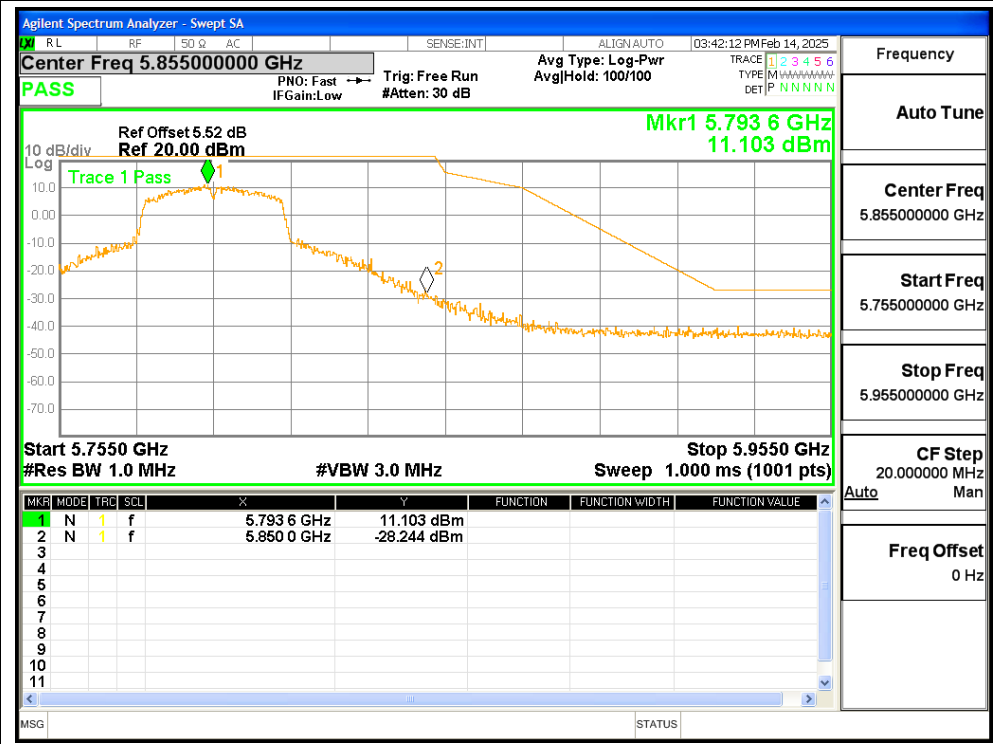


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Band Edge NVNT ac40 5755MHz Low Ant1



Band Edge NVNT ac40 5795MHz High Ant1



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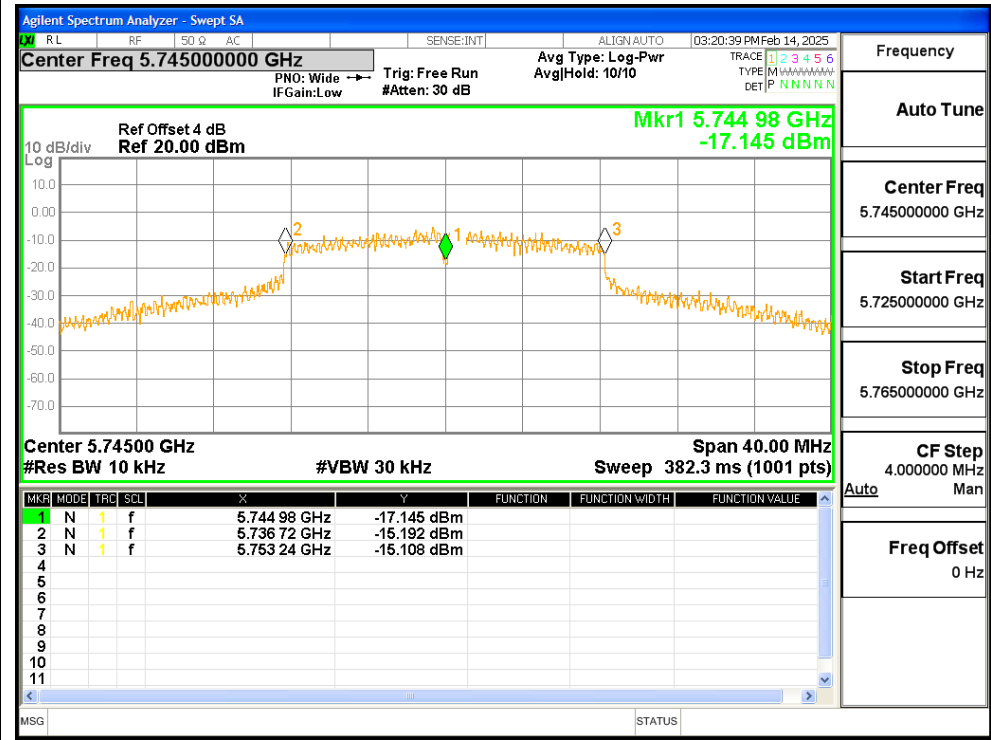
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
		5785		5785	0	0	25	Pass
		5825		5824.98	-20000	-3.43	25	Pass
	n20	5745		5744.96	-40000	-6.96	25	Pass
		5785		5784.96	-40000	-6.91	25	Pass
		5825		5824.96	-40000	-6.87	25	Pass
	n40	5755		5755	0	0	25	Pass
		5795		5794.96	-40000	-6.9	25	Pass
	ac20	5745		5744.96	-40000	-6.96	25	Pass
		5785		5784.98	-20000	-3.46	25	Pass
		5825		5824.98	-20000	-3.43	25	Pass
	ac40	5755		5754.96	-40000	-6.95	25	Pass
		5795		5794.96	-40000	-6.9	25	Pass
	ac80	5775		5775	0	0	25	Pass

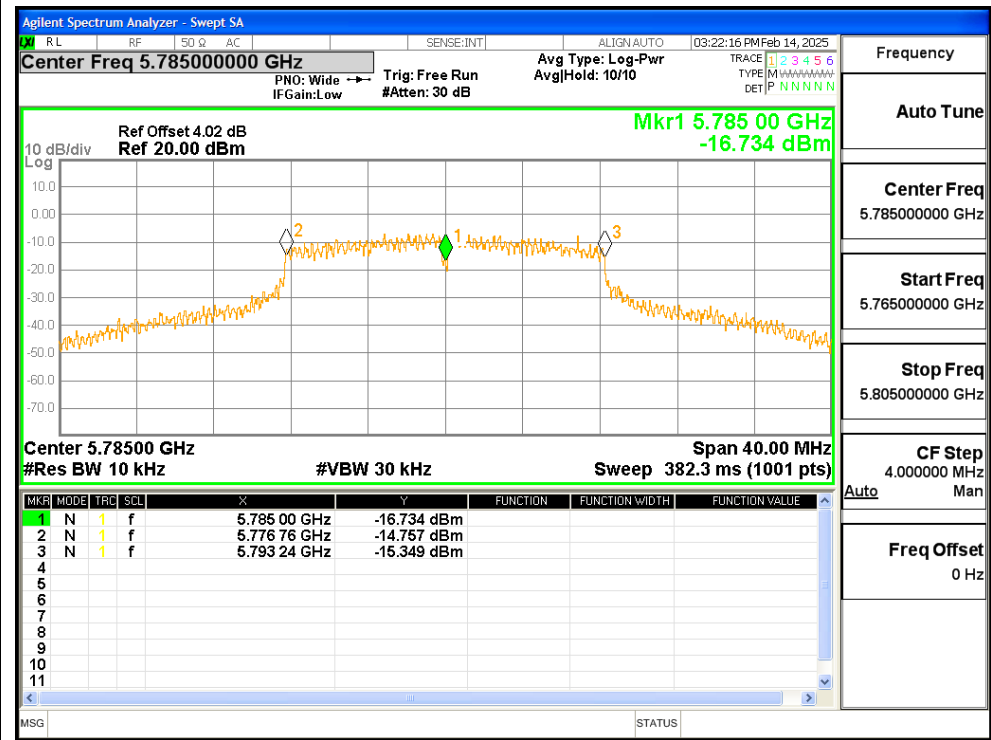
GTSL2025020052F07

Test Graphs

Freq. Stability NVNT a 5745MHz Ant1

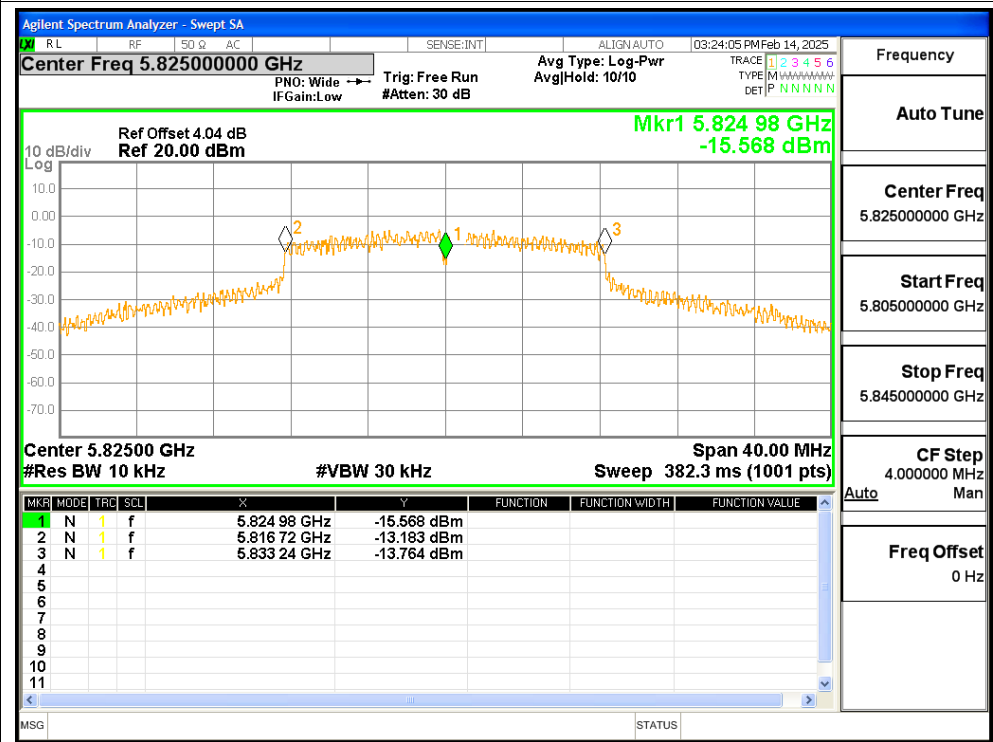


Freq. Stability NVNT a 5785MHz Ant1

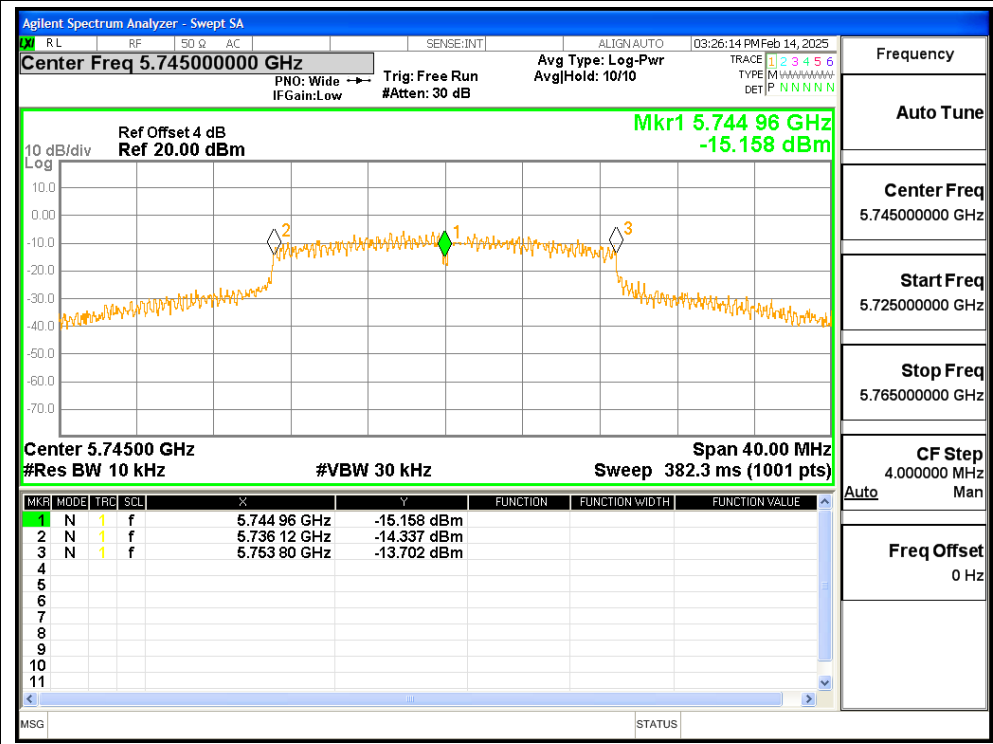


GTSL2025020052F07

Freq. Stability NVNT a 5825MHz Ant1

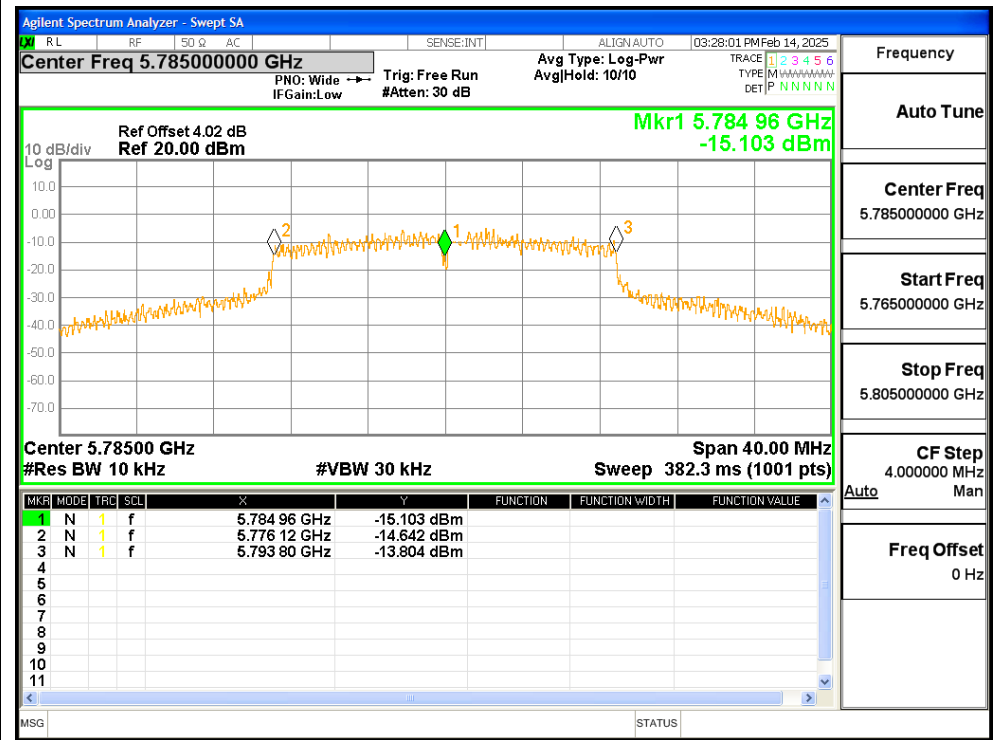


Freq. Stability NVNT n20 5745MHz Ant1

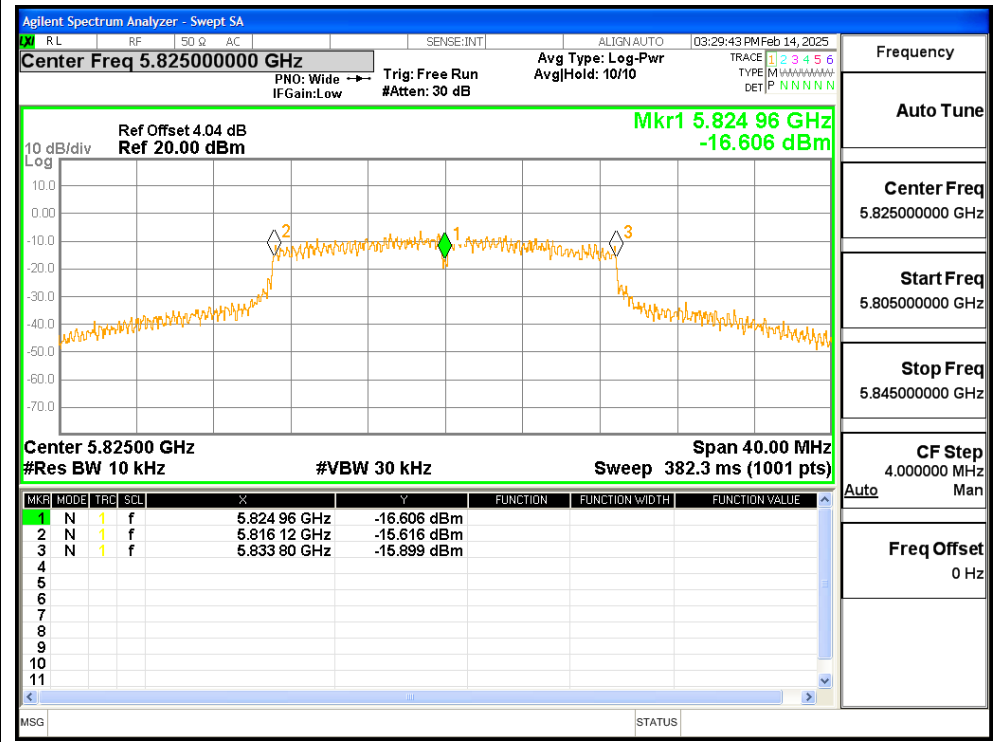


GTSL2025020052F07

Freq. Stability NVNT n20 5785MHz Ant1

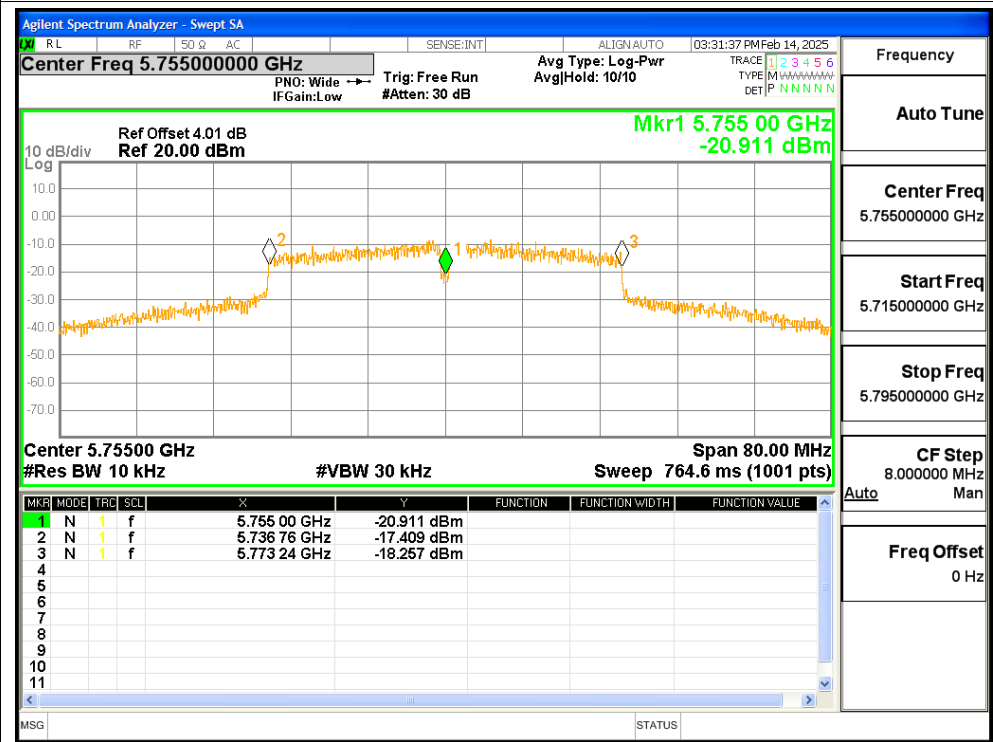


Freq. Stability NVNT n20 5825MHz Ant1

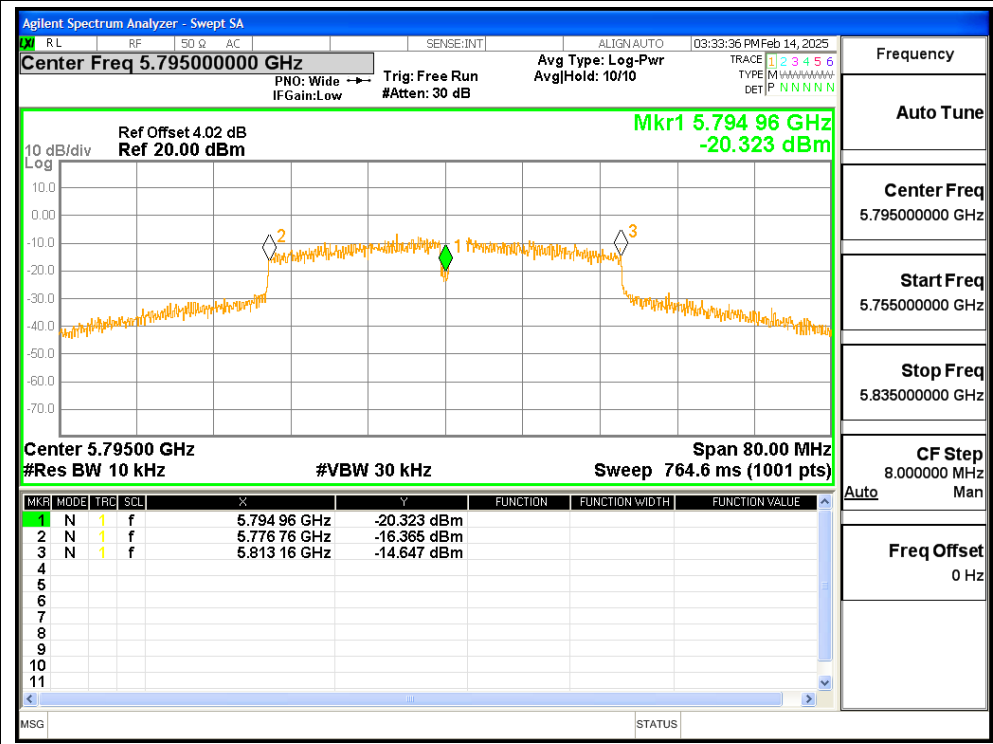


GTSL2025020052F07

Freq. Stability NVNT n40 5755MHz Ant1

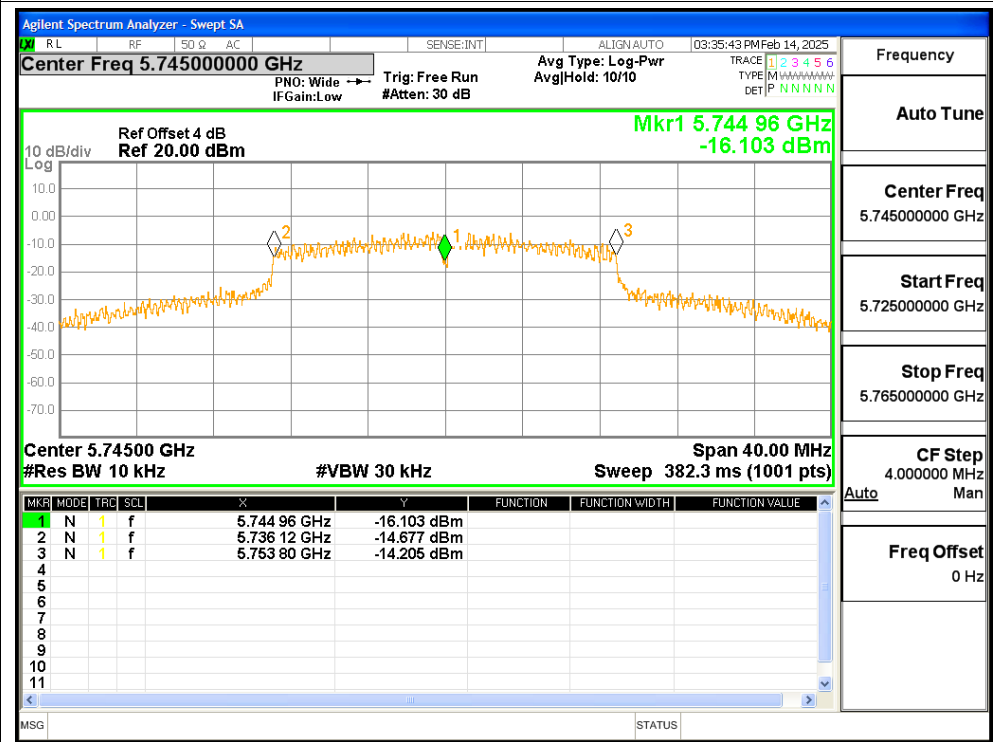


Freq. Stability NVNT n40 5795MHz Ant1

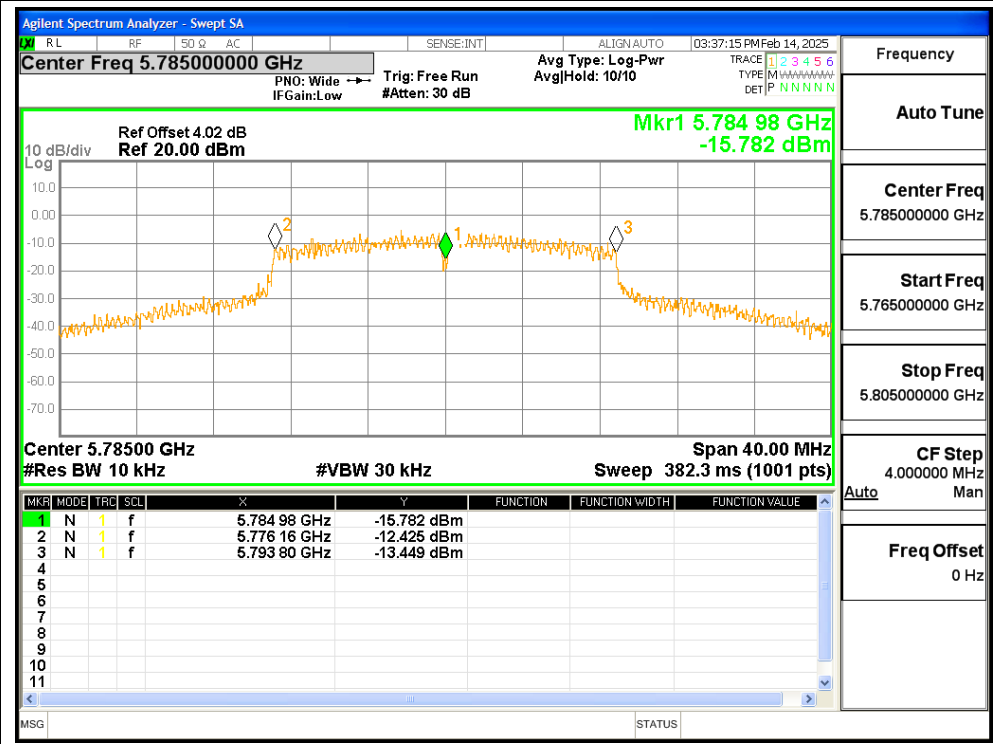


GTSL2025020052F07

Freq. Stability NVNT ac20 5745MHz Ant1

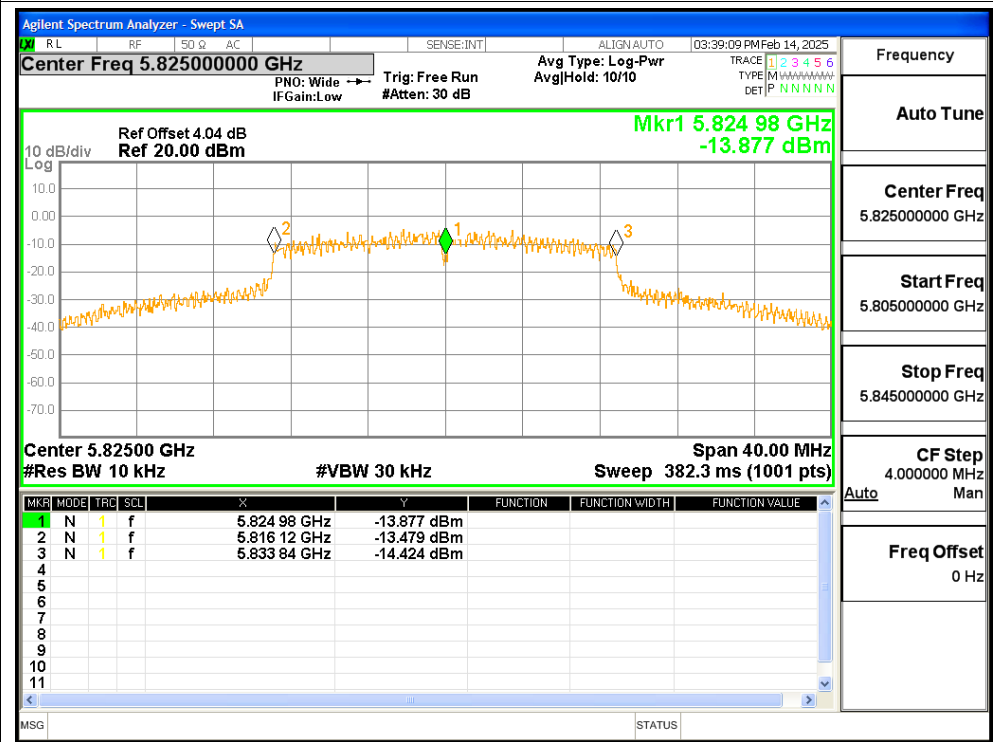


Freq. Stability NVNT ac20 5785MHz Ant1

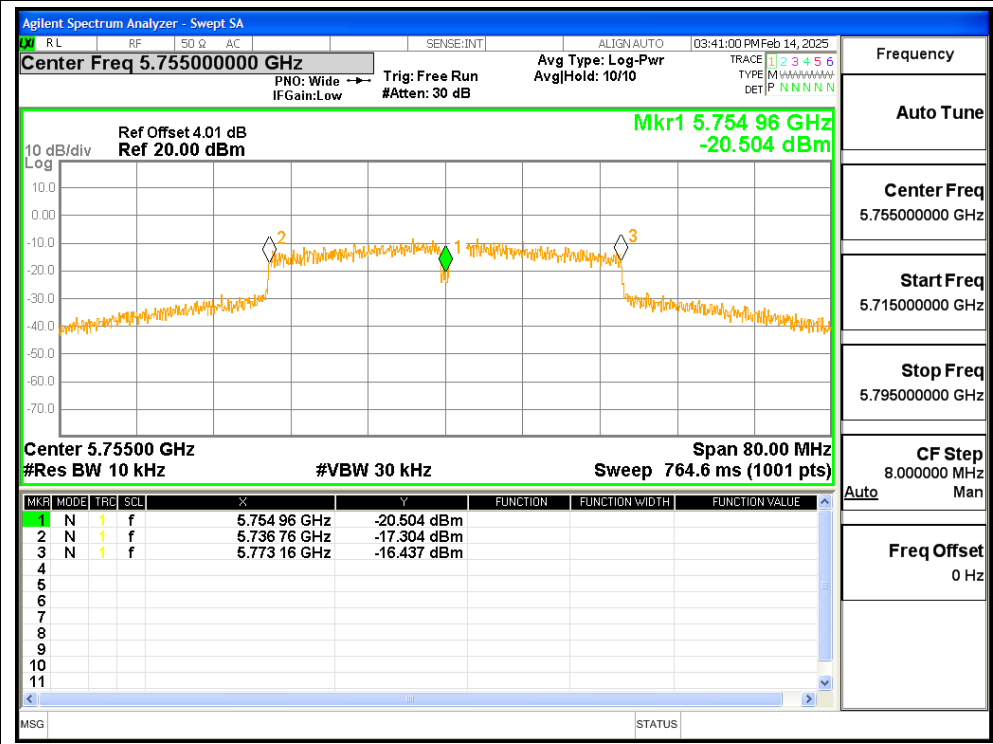


GTSL2025020052F07

Freq. Stability NVNT ac20 5825MHz Ant1

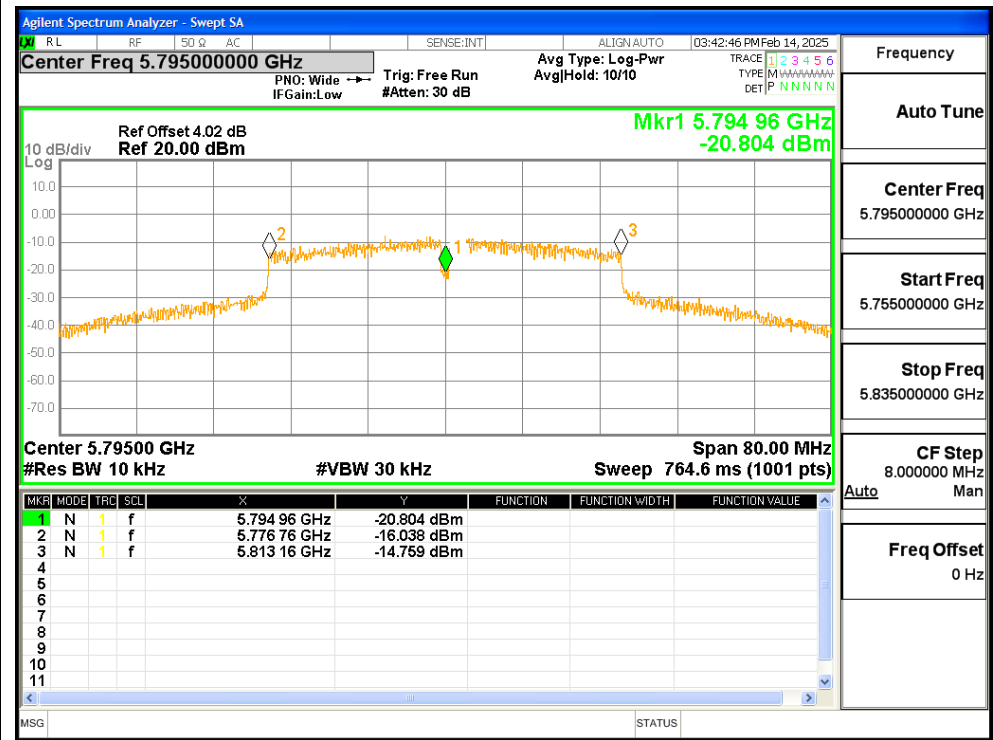


Freq. Stability NVNT ac40 5755MHz Ant1

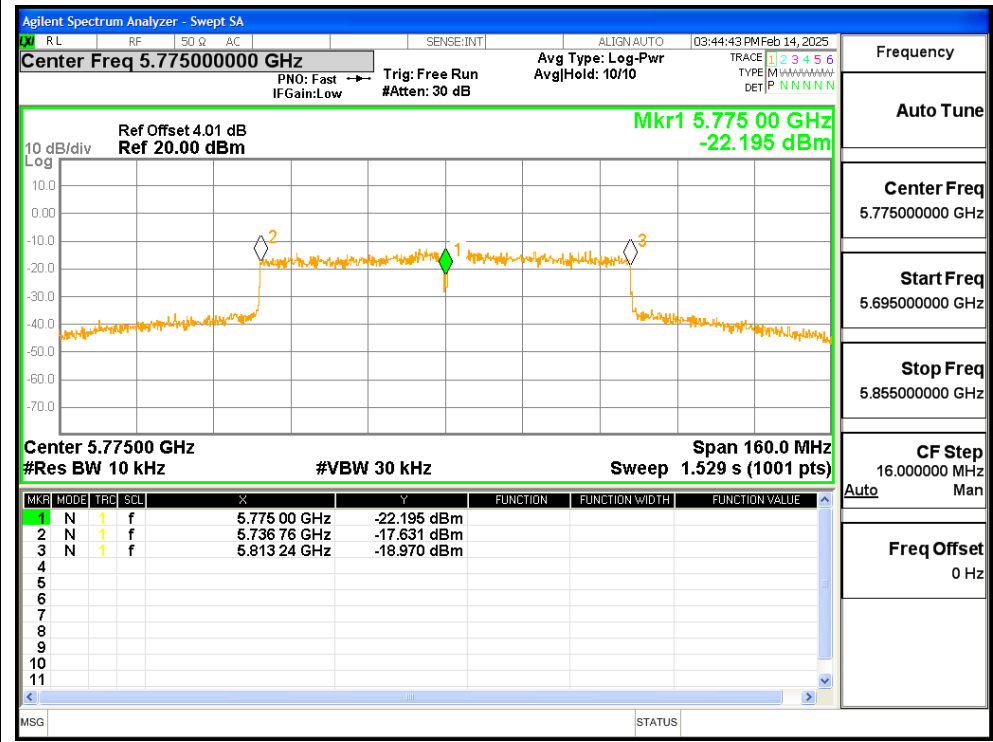


GTSL2025020052F07

Freq. Stability NVNT ac40 5795MHz Ant1



Freq. Stability NVNT ac80 5775MHz Ant1



GTSL2025020052F07

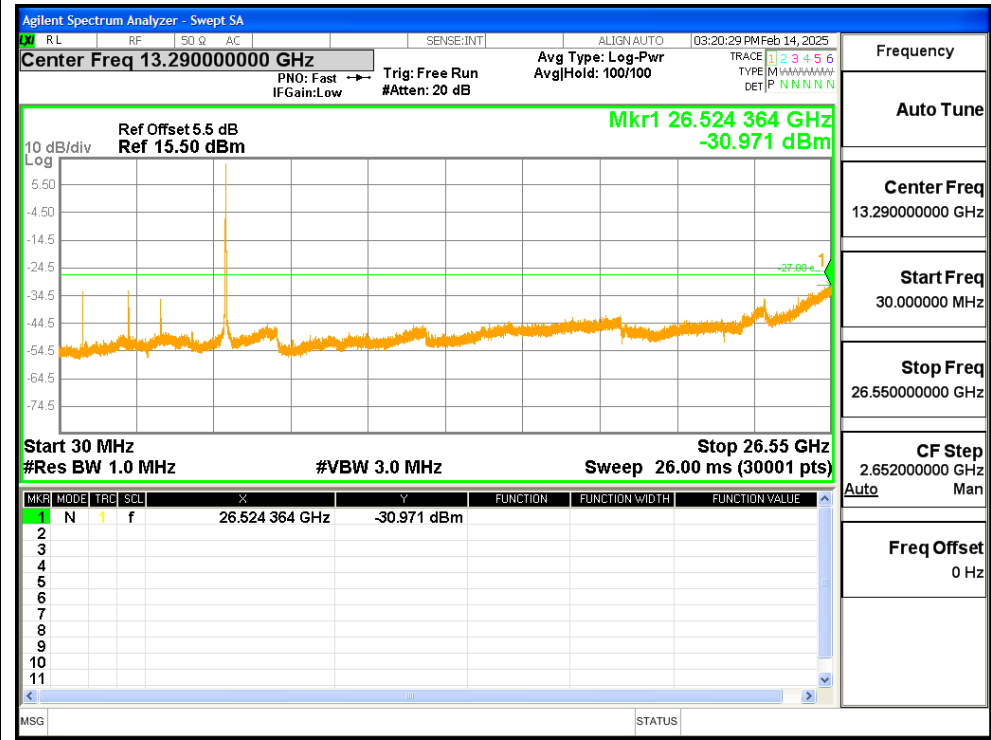
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-30.97	-27	Pass
		5785		-30.58	-27	Pass
		5825		-30.36	-27	Pass
	n20	5745		-27.42	-27	Pass
		5785		-29.81	-27	Pass
		5825		-30.94	-27	Pass
	n40	5755		-30.69	-27	Pass
		5795		-30.59	-27	Pass
	ac20	5745		-29.59	-27	Pass
		5785		-30.16	-27	Pass
		5825		-30.67	-27	Pass
	ac40	5755		-30.66	-27	Pass
		5795		-29.66	-27	Pass
	ac80	5775		-30.05	-27	Pass

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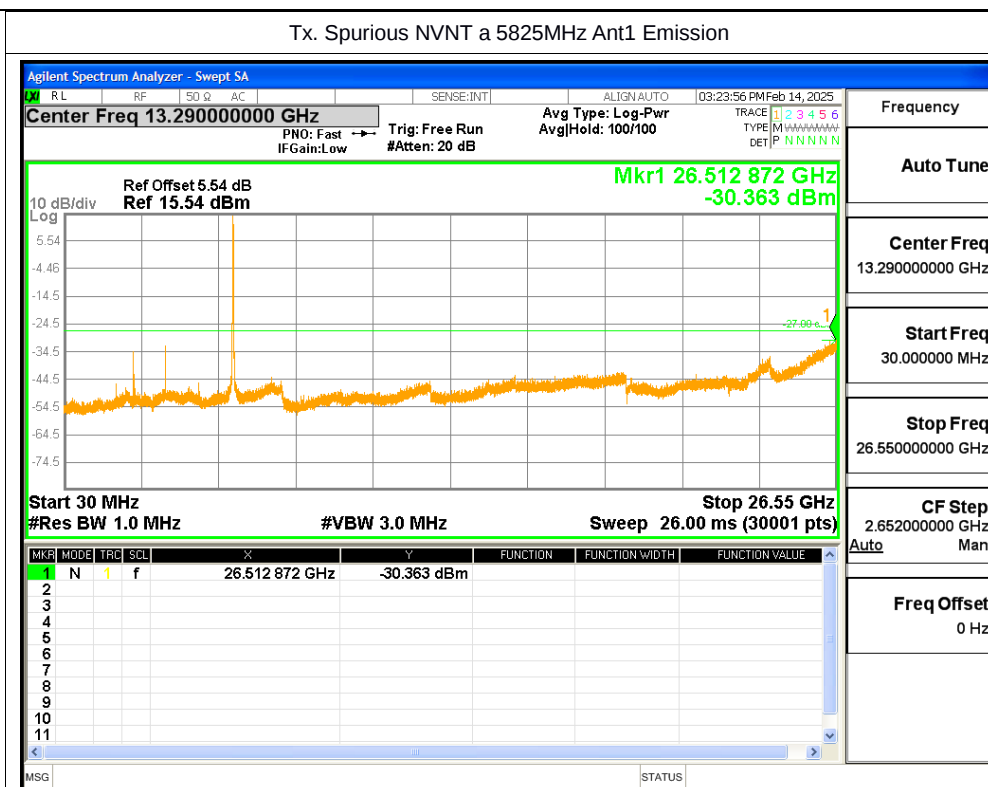
Test Graphs

Tx. Spurious NVNT a 5745MHz Ant1 Emission

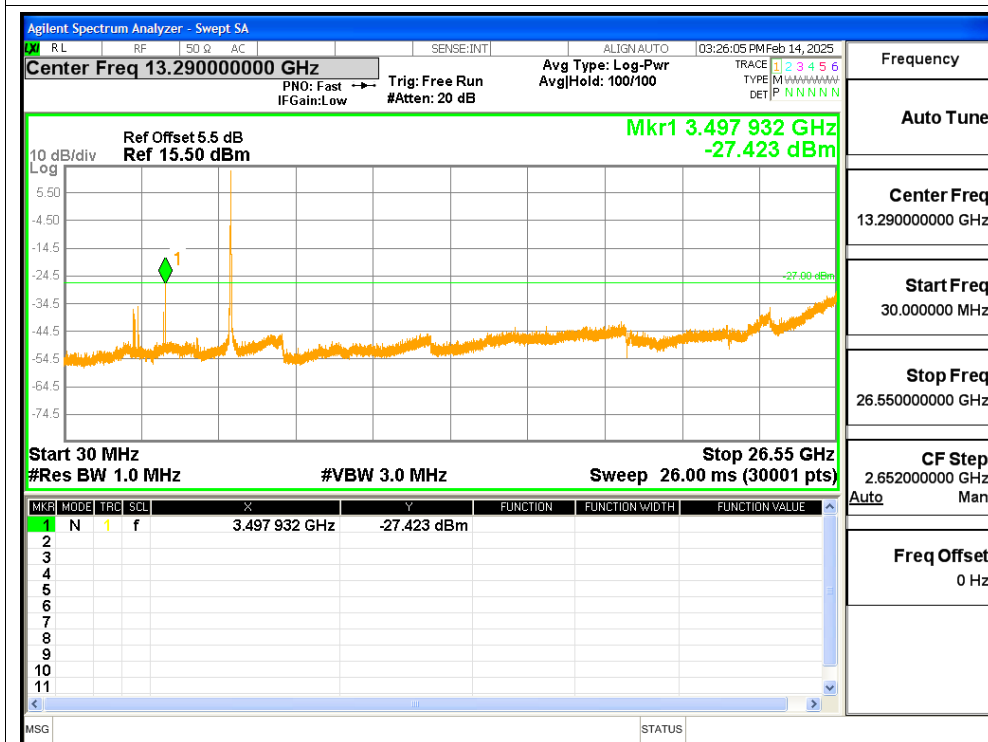


Tx. Spurious NVNT a 5785MHz Ant1 Emission



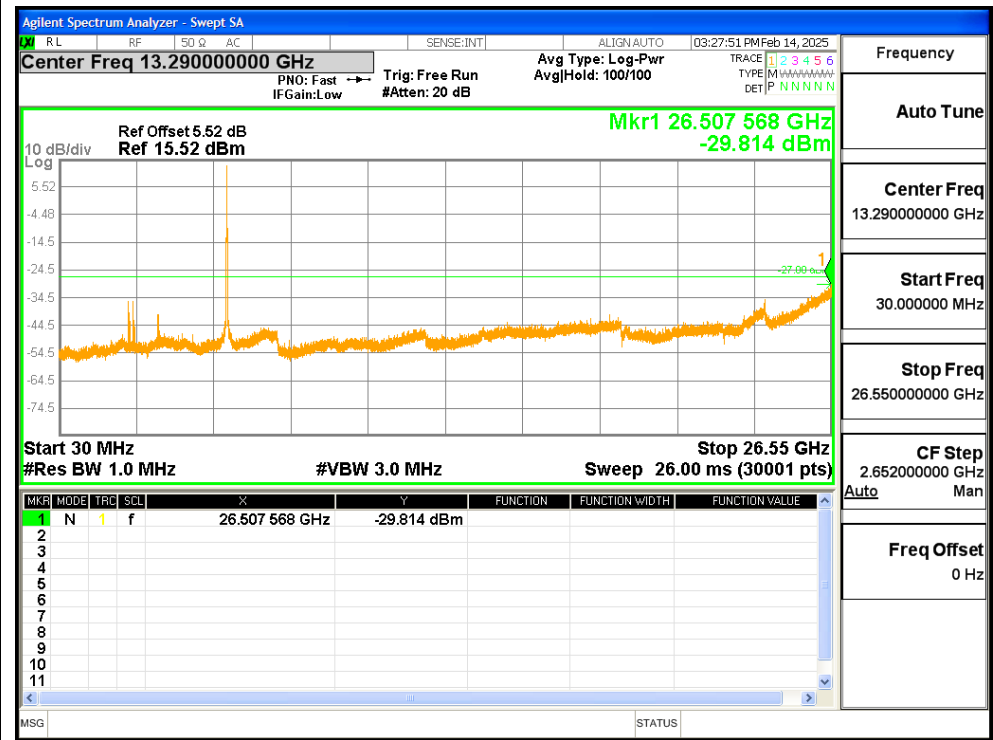


Tx. Spurious NVNT n20 5745MHz Ant1 Emission

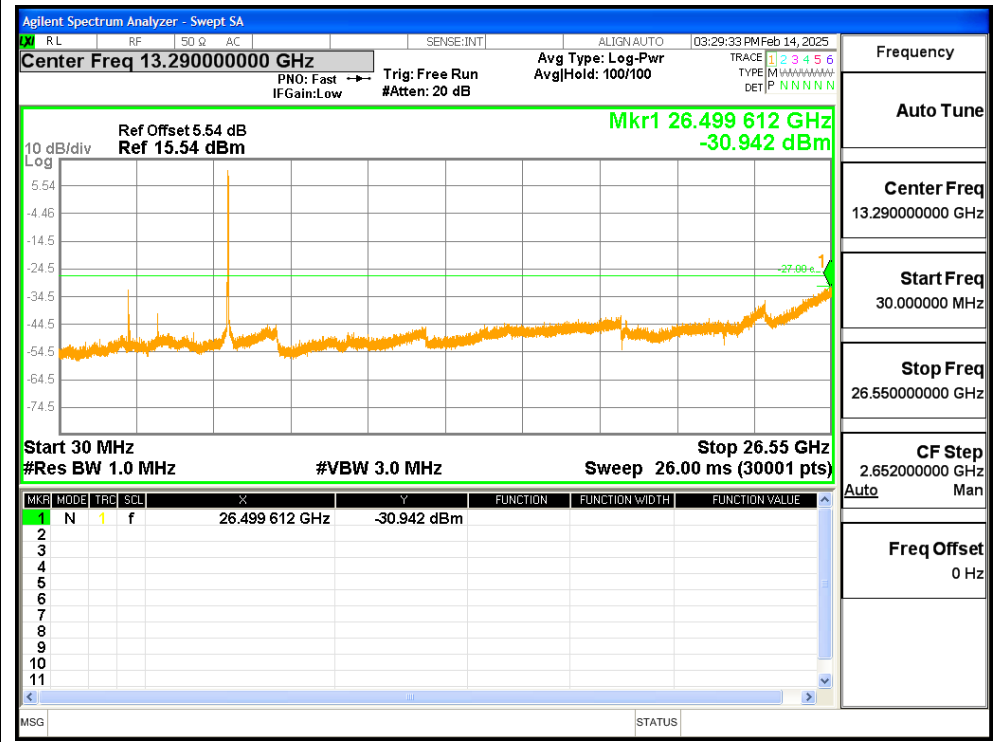


GTSL2025020052F07

Tx. Spurious NVNT n20 5785MHz Ant1 Emission

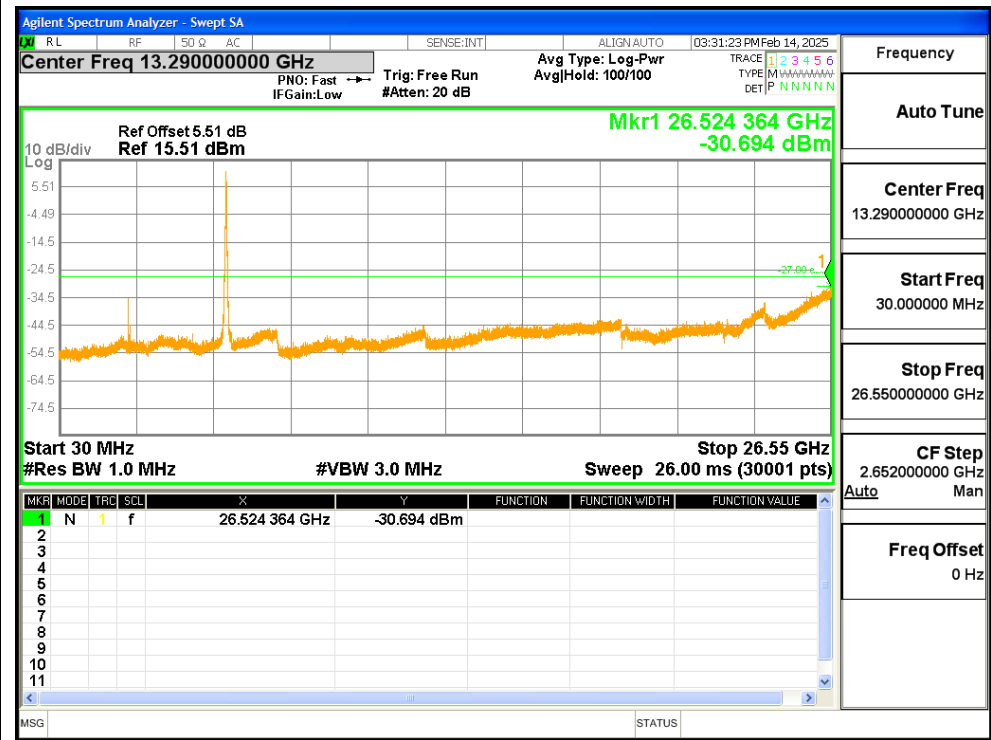


Tx. Spurious NVNT n20 5825MHz Ant1 Emission

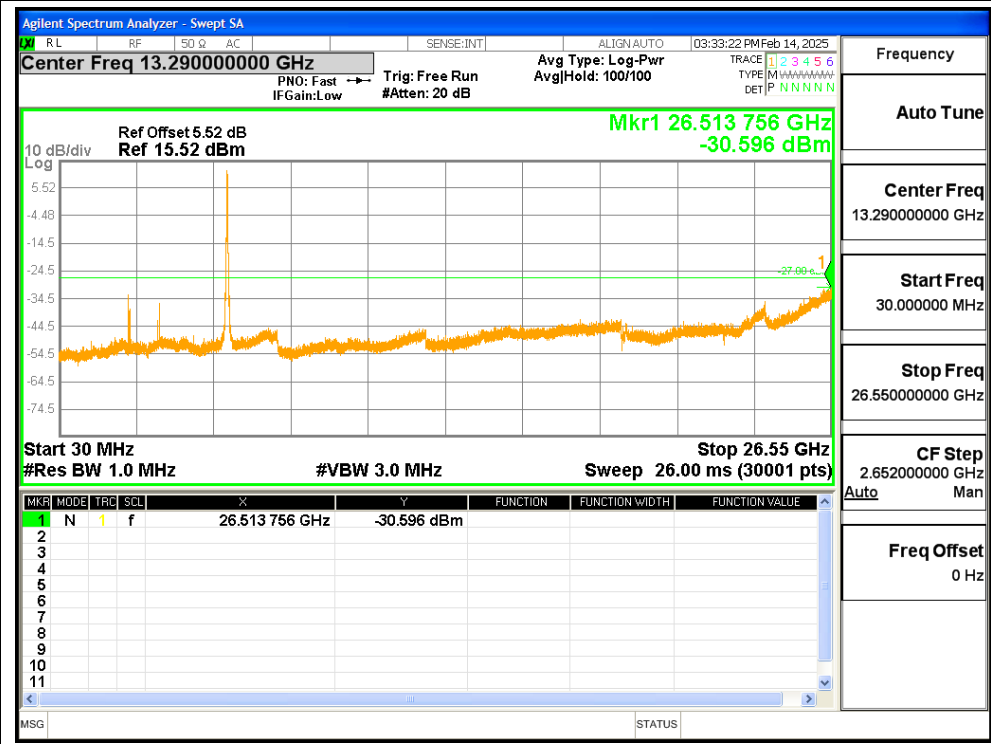


GTSL2025020052F07

Tx. Spurious NVNT n40 5755MHz Ant1 Emission

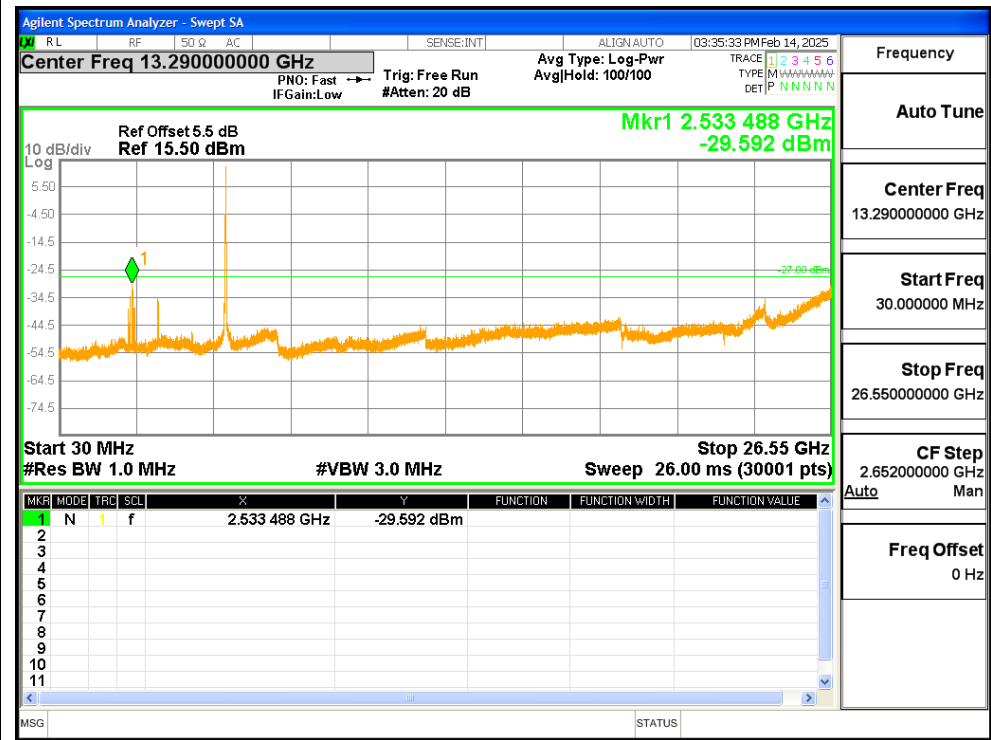


Tx. Spurious NVNT n40 5795MHz Ant1 Emission

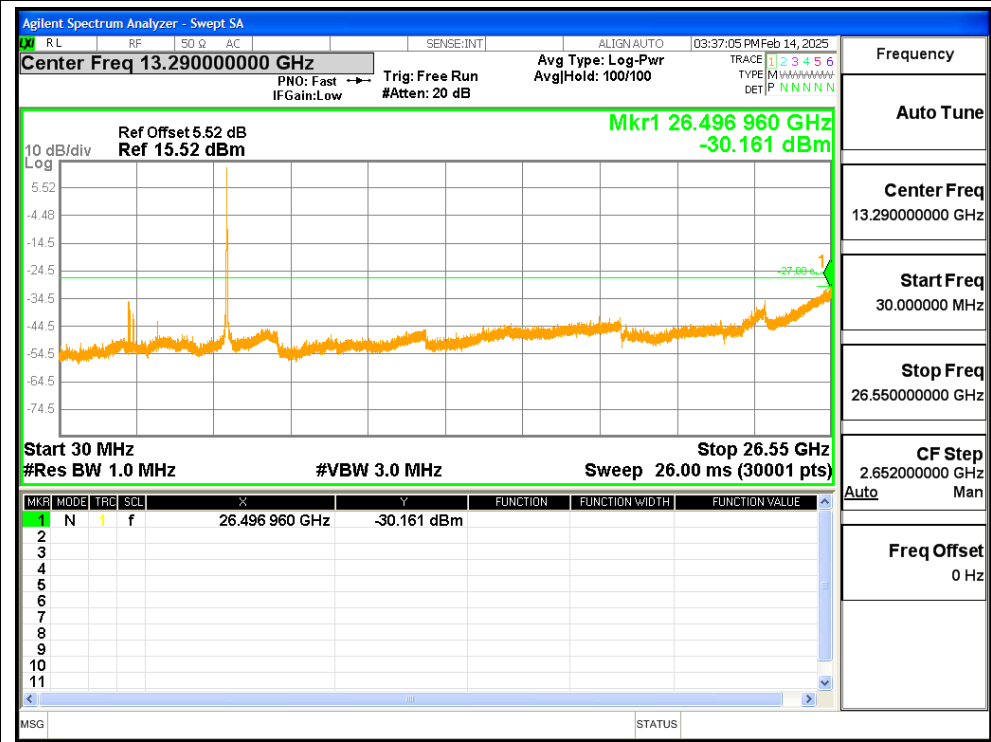


GTSL2025020052F07

Tx. Spurious NVNT ac20 5745MHz Ant1 Emission

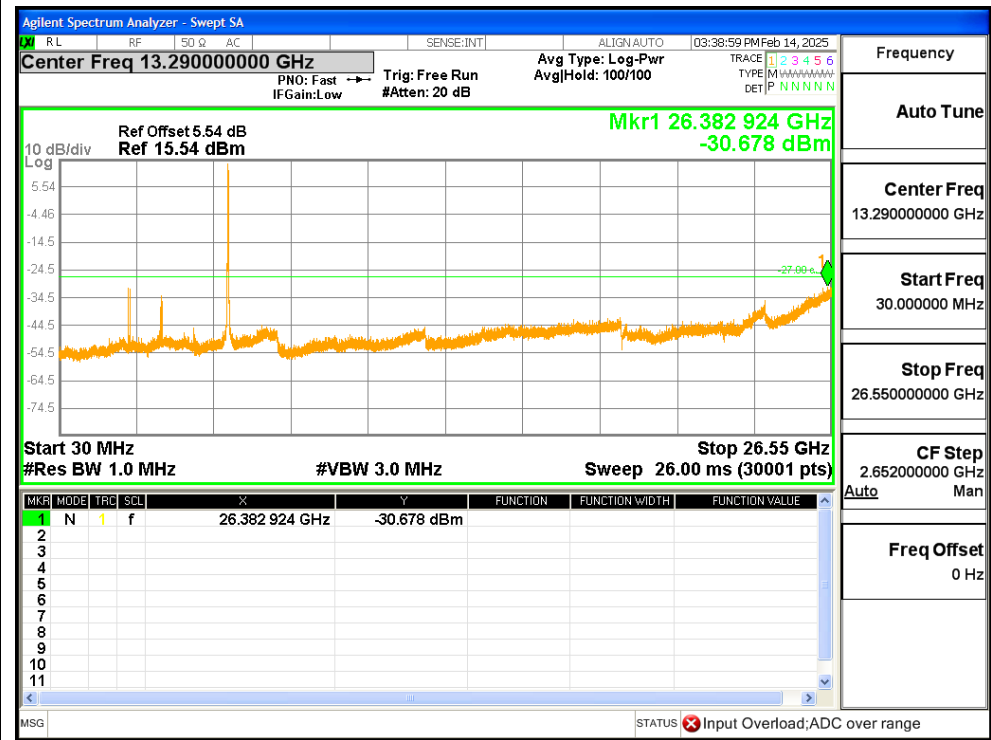


Tx. Spurious NVNT ac20 5785MHz Ant1 Emission

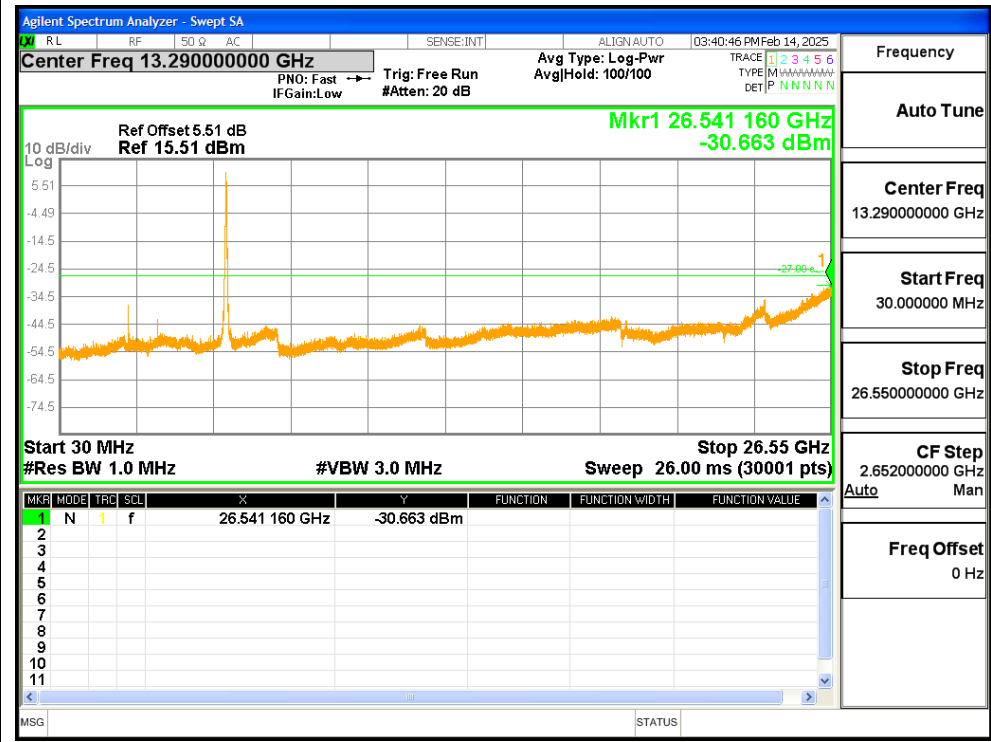


GTSL2025020052F07

Tx. Spurious NVNT ac20 5825MHz Ant1 Emission

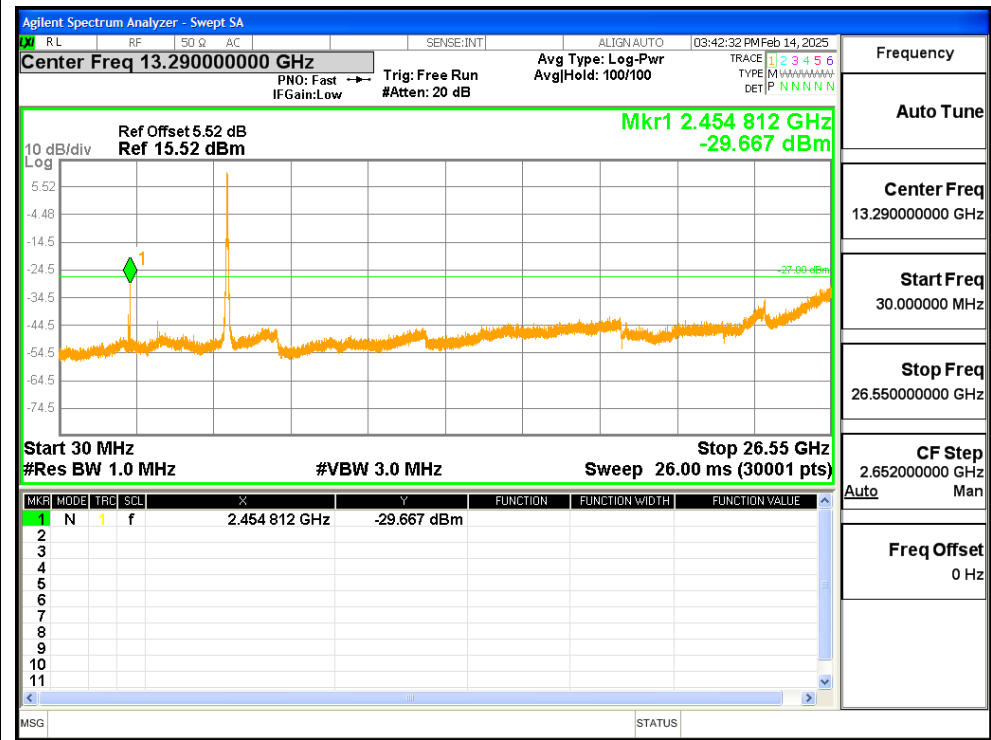


Tx. Spurious NVNT ac40 5755MHz Ant1 Emission



GTSL2025020052F07

Tx. Spurious NVNT ac40 5795MHz Ant1 Emission



Tx. Spurious NVNT ac80 5775MHz Ant1 Emission

