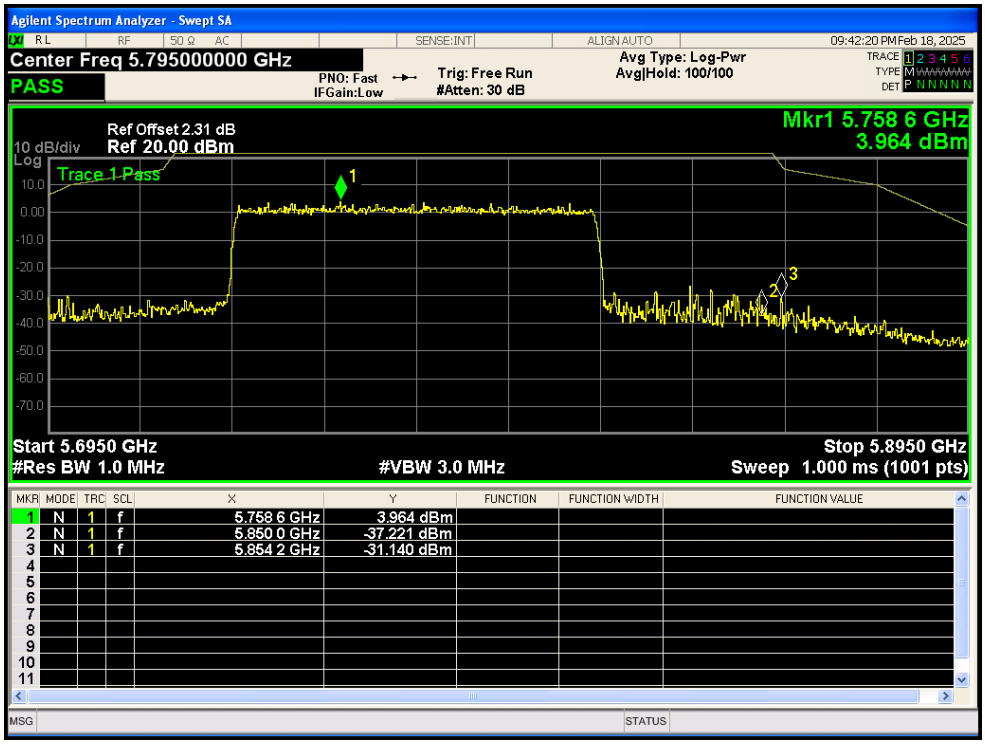
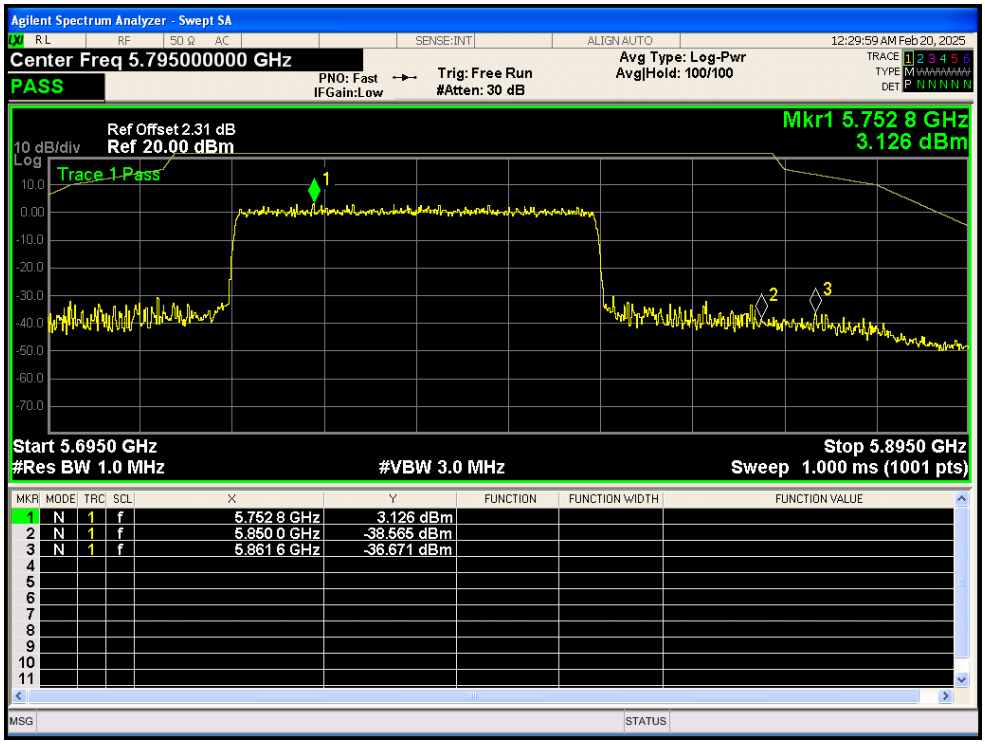
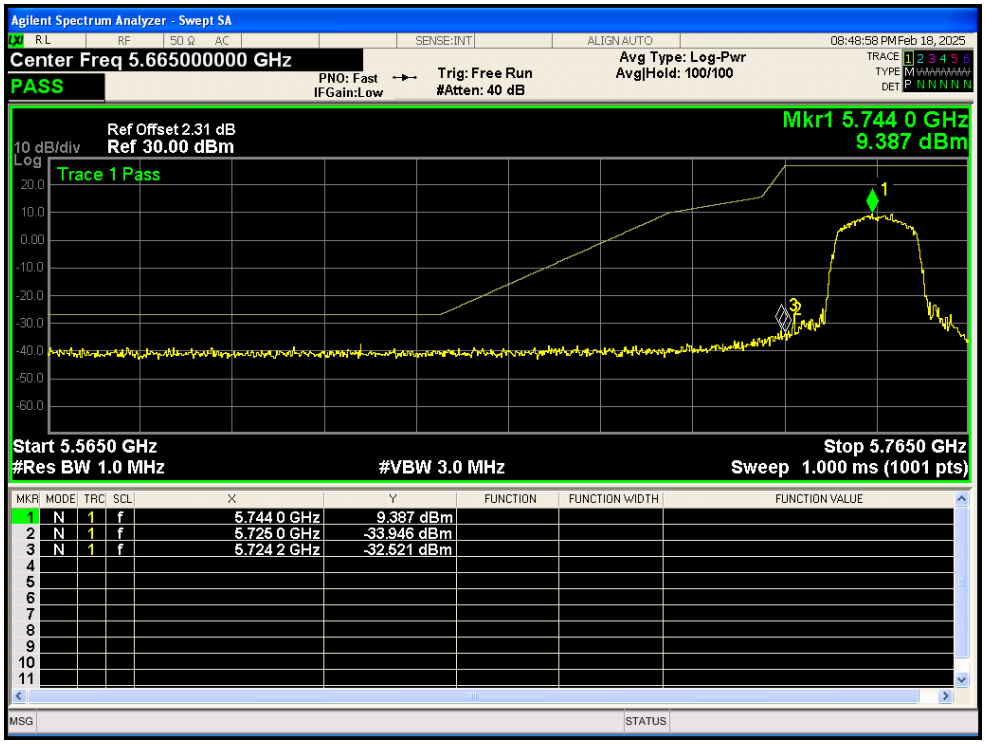


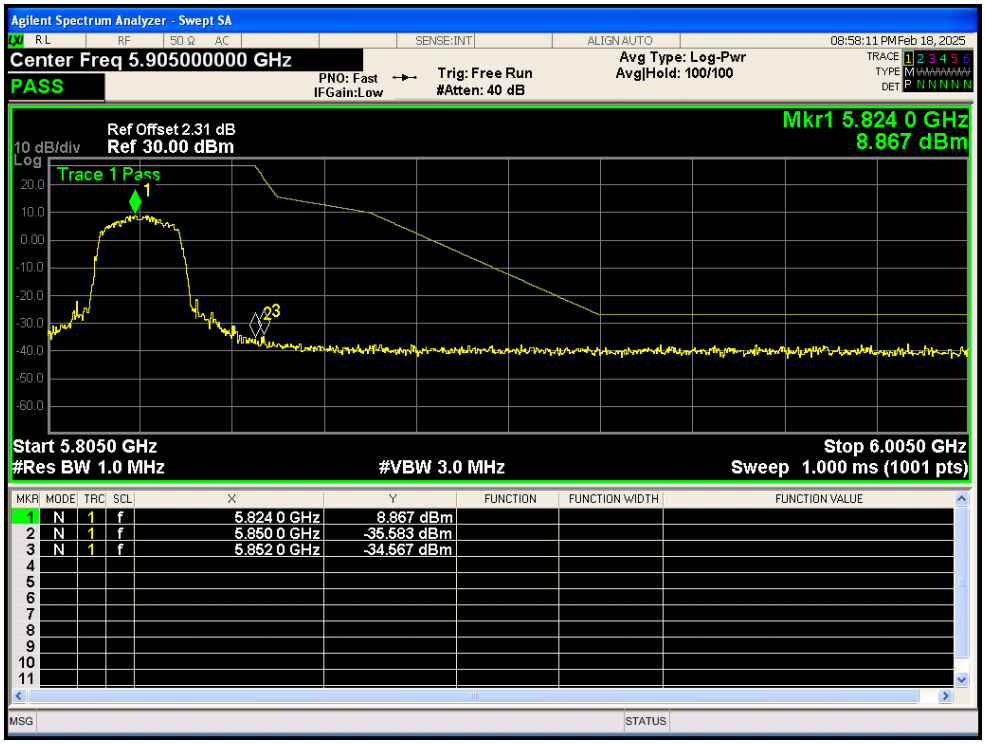
Band Edge NVNT ax80 5775MHz High Ant2



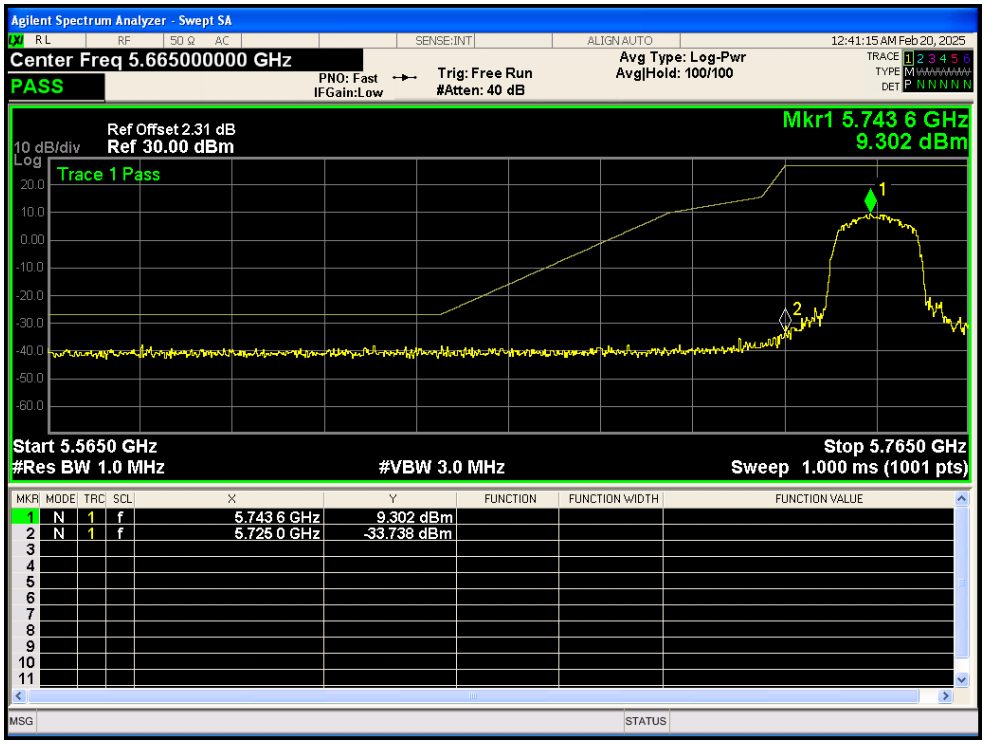
Band Edge NVNT n20 5745MHz Low Ant1



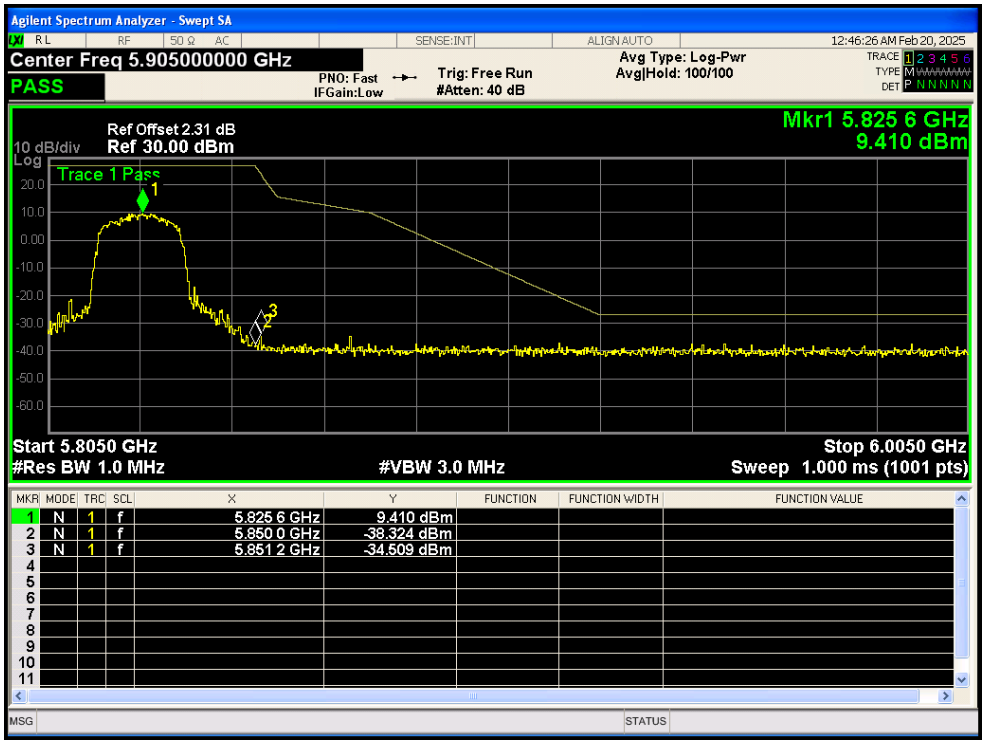
Band Edge NVNT n20 5825MHz High Ant1



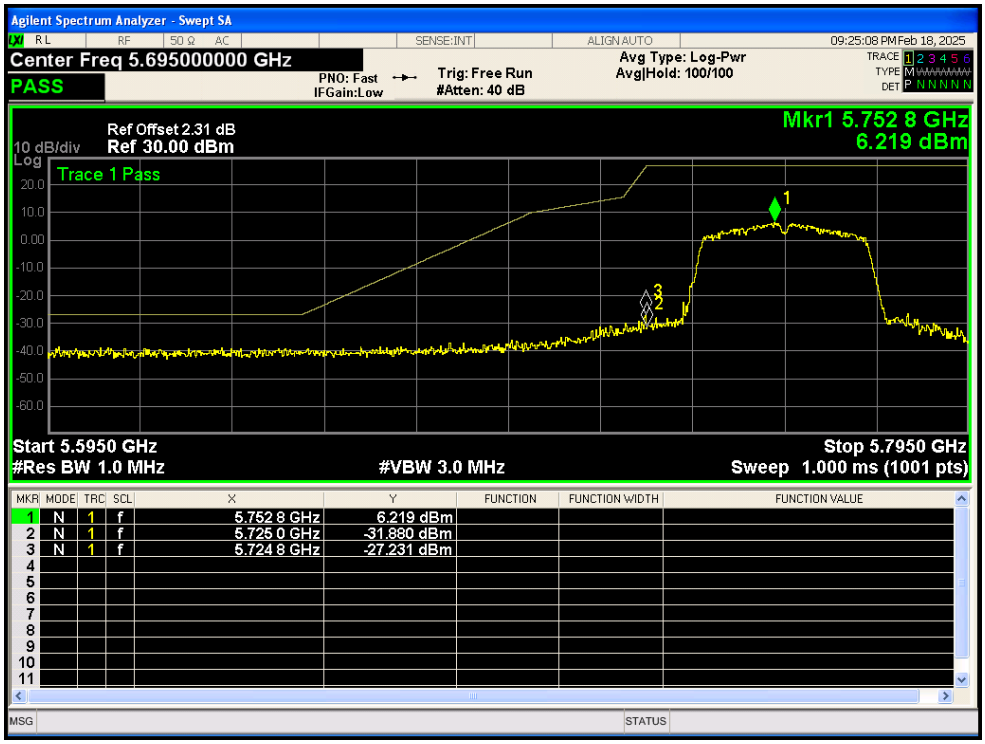
Band Edge NVNT n20 5745MHz Low Ant2



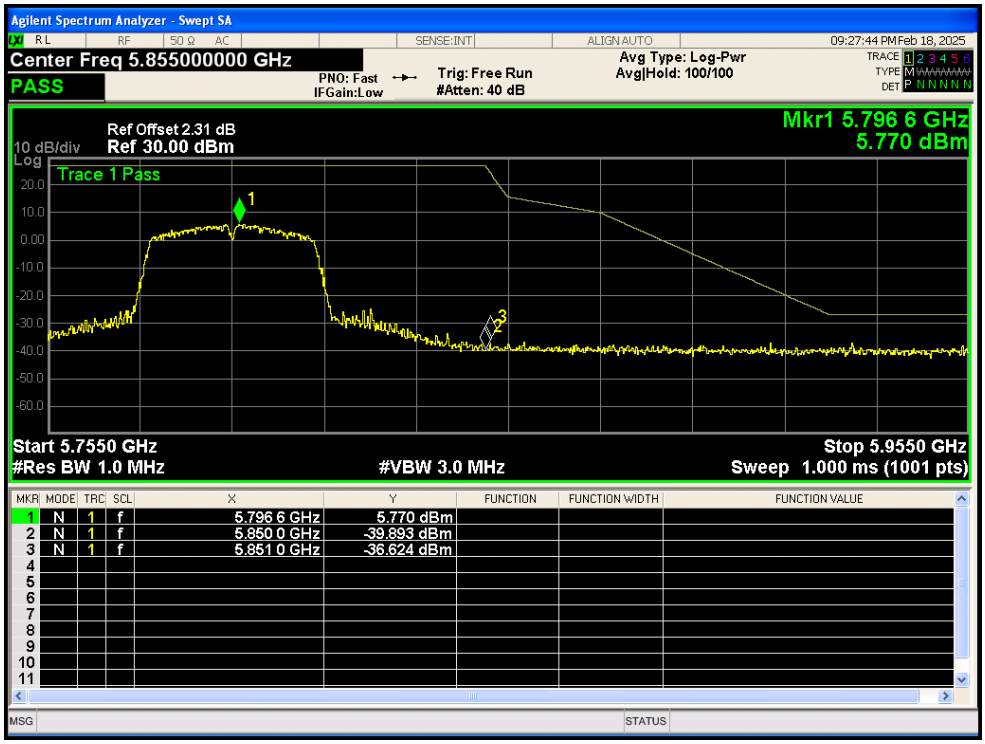
Band Edge NVNT n20 5825MHz High Ant2



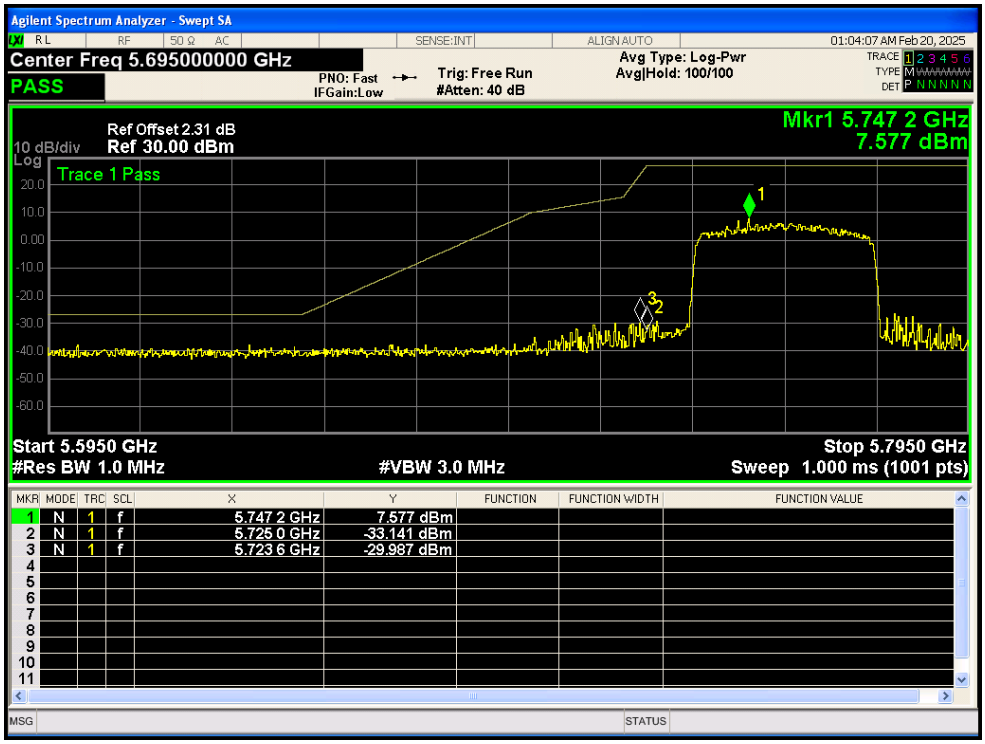
Band Edge NVNT n40 5755MHz Low Ant1



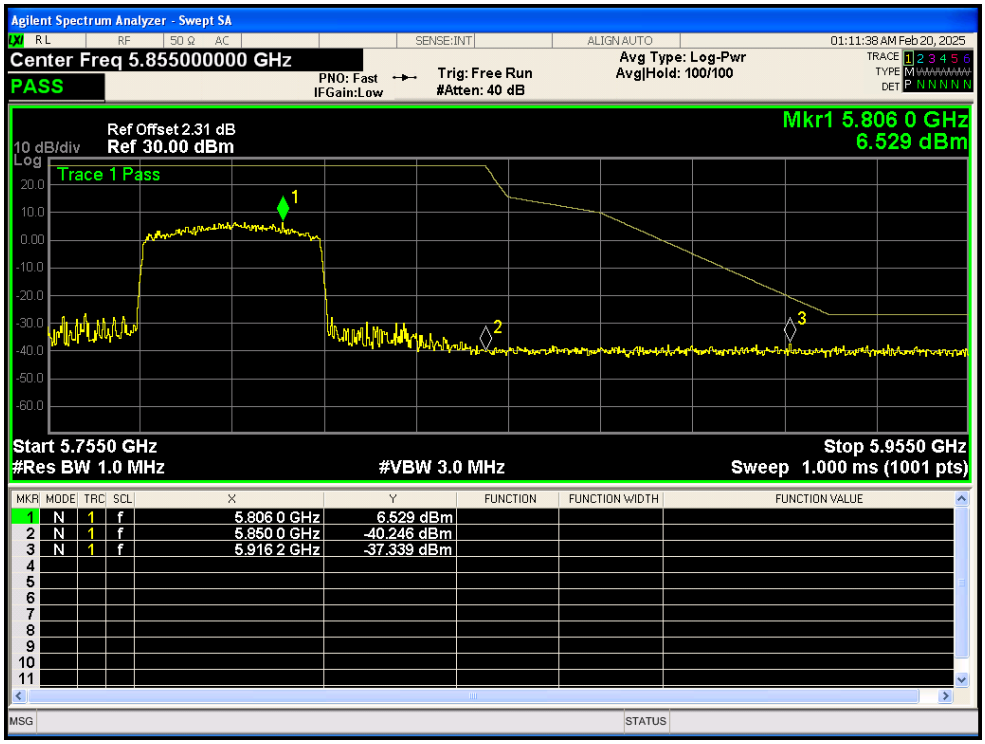
Band Edge NVNT n40 5795MHz High Ant1



Band Edge NVNT n40 5755MHz Low Ant2



Band Edge NVNT n40 5795MHz High Ant2

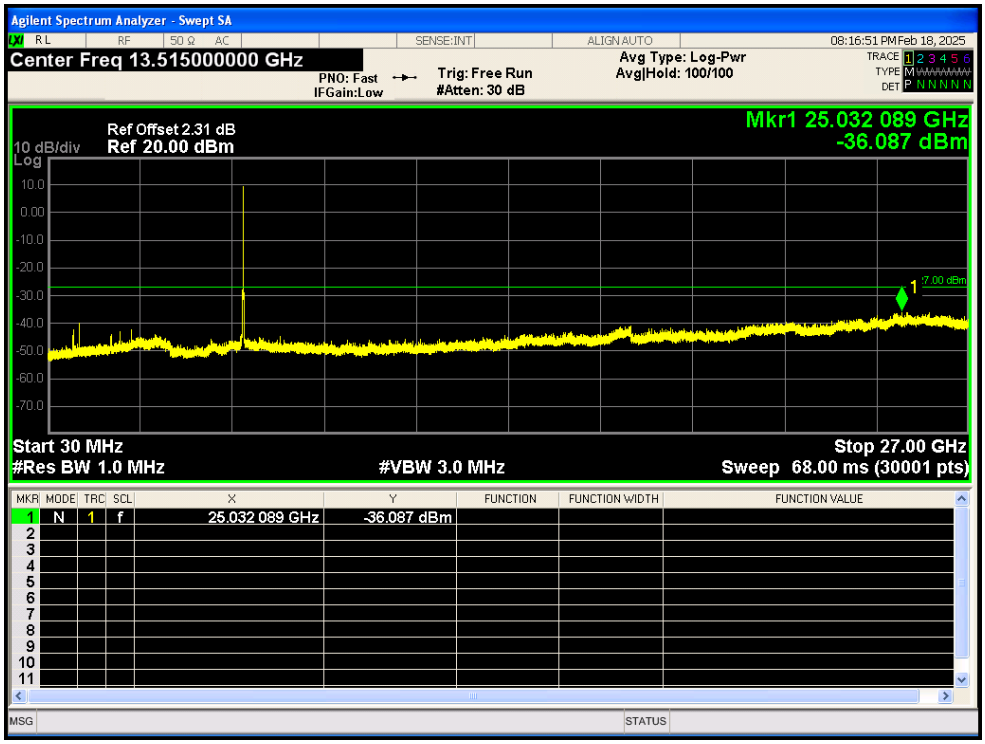


Conducted RF Spurious Emission

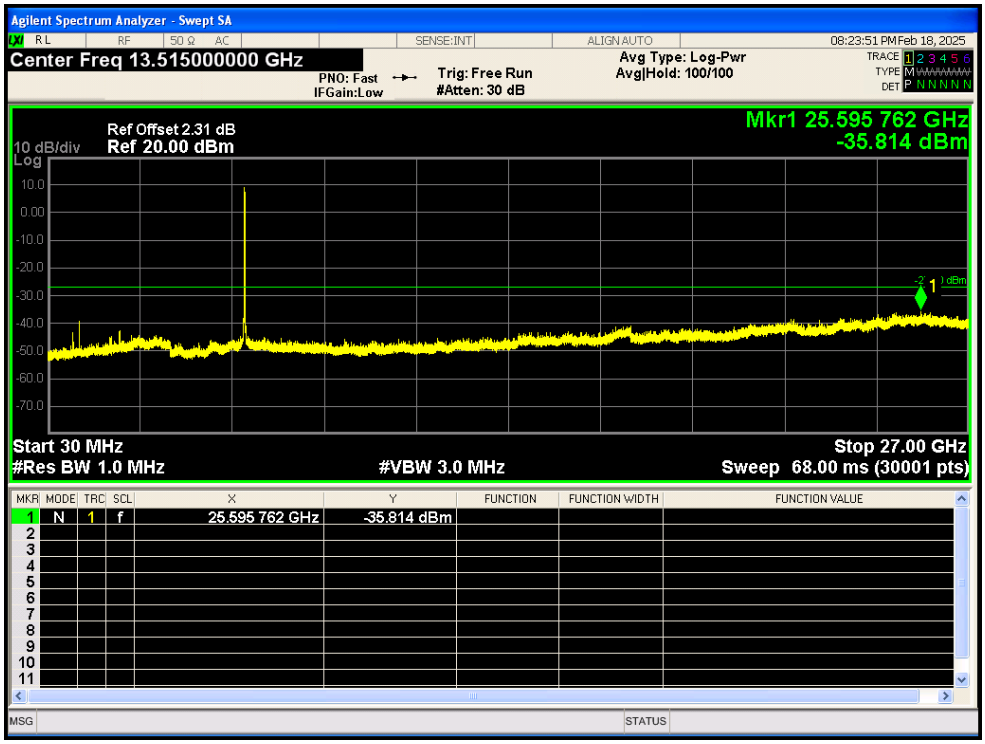
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-36.08	-27	Pass
NVNT	a	5785	Ant1	-35.81	-27	Pass
NVNT	a	5825	Ant1	-35.76	-27	Pass
NVNT	a	5745	Ant2	-36	-27	Pass
NVNT	a	5785	Ant2	-35.87	-27	Pass

NVNT	a	5825	Ant2	-36.18	-27	Pass
NVNT	ac20	5745	Ant1	-36.08	-27	Pass
NVNT	ac20	5785	Ant1	-36.08	-27	Pass
NVNT	ac20	5825	Ant1	-36.26	-27	Pass
NVNT	ac20	5745	Ant2	-35.61	-27	Pass
NVNT	ac20	5785	Ant2	-36.13	-27	Pass
NVNT	ac20	5825	Ant2	-35.41	-27	Pass
NVNT	ac40	5755	Ant1	-36.14	-27	Pass
NVNT	ac40	5795	Ant1	-36.01	-27	Pass
NVNT	ac40	5755	Ant2	-35.82	-27	Pass
NVNT	ac40	5795	Ant2	-36.14	-27	Pass
NVNT	ac80	5775	Ant1	-35.85	-27	Pass
NVNT	ac80	5775	Ant2	-35.65	-27	Pass
NVNT	ax20	5745	Ant1	-36.33	-27	Pass
NVNT	ax20	5785	Ant1	-36.22	-27	Pass
NVNT	ax20	5825	Ant1	-35.77	-27	Pass
NVNT	ax20	5745	Ant2	-35.72	-27	Pass
NVNT	ax20	5785	Ant2	-36.39	-27	Pass
NVNT	ax20	5825	Ant2	-35.98	-27	Pass
NVNT	ax40	5755	Ant1	-36.85	-27	Pass
NVNT	ax40	5795	Ant1	-36.31	-27	Pass
NVNT	ax40	5755	Ant2	-36.16	-27	Pass
NVNT	ax40	5795	Ant2	-35.55	-27	Pass
NVNT	ax80	5775	Ant1	-35.69	-27	Pass
NVNT	ax80	5775	Ant2	-35.9	-27	Pass
NVNT	n20	5745	Ant1	-35.94	-27	Pass
NVNT	n20	5785	Ant1	-36.03	-27	Pass
NVNT	n20	5825	Ant1	-35.23	-27	Pass
NVNT	n20	5745	Ant2	-36.16	-27	Pass
NVNT	n20	5785	Ant2	-35.75	-27	Pass
NVNT	n20	5825	Ant2	-35.52	-27	Pass
NVNT	n40	5755	Ant1	-35.84	-27	Pass
NVNT	n40	5795	Ant1	-35.78	-27	Pass
NVNT	n40	5755	Ant2	-35.66	-27	Pass
NVNT	n40	5795	Ant2	-35.87	-27	Pass

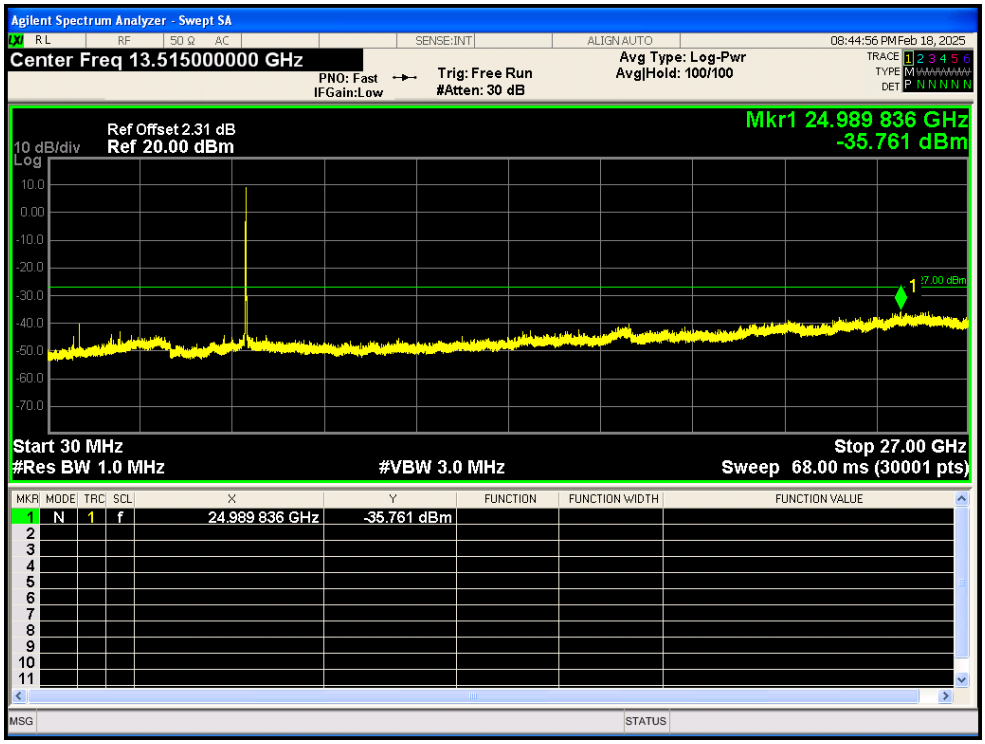
Tx. Spurious NVNT a 5745MHz Ant1 Emission



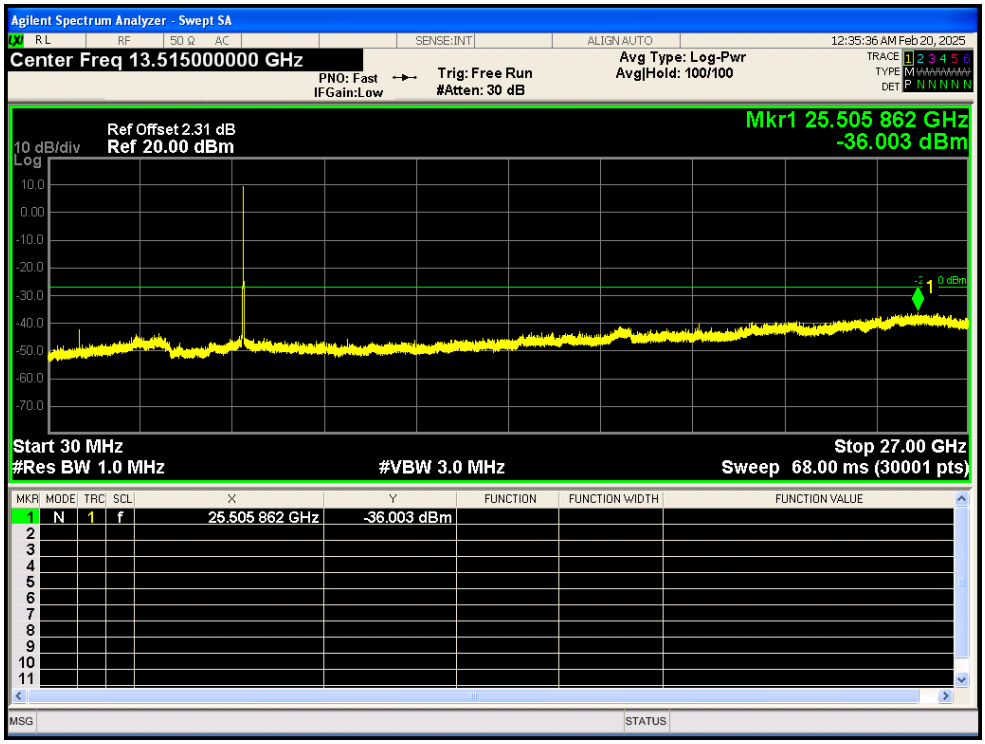
Tx. Spurious NVNT a 5785MHz Ant1 Emission



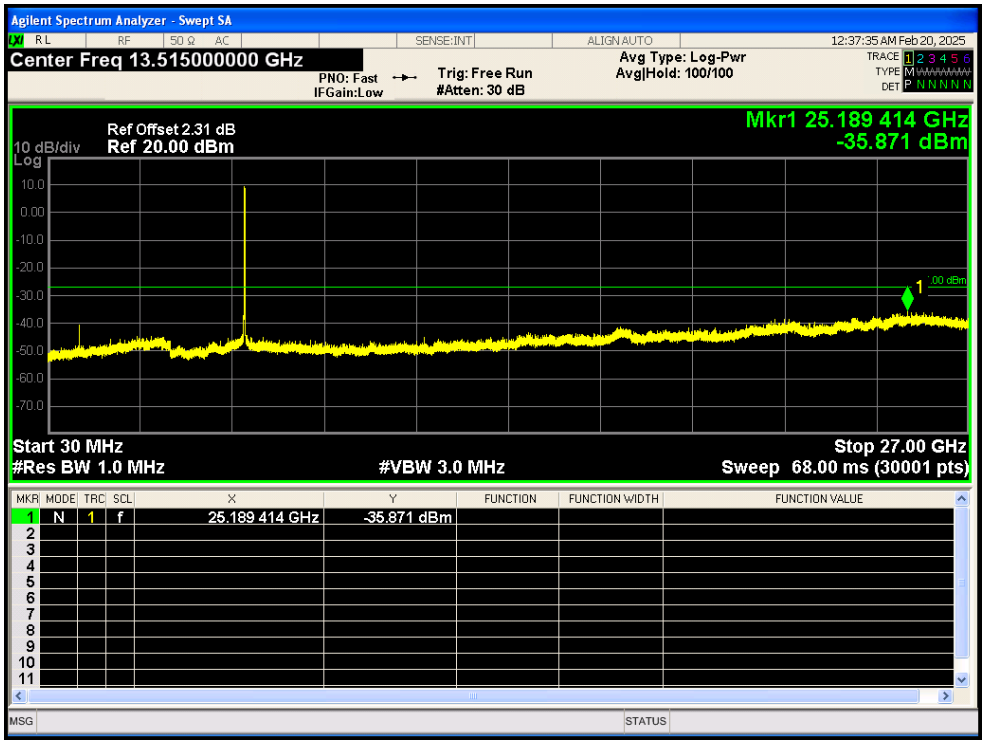
Tx. Spurious NVNT a 5825MHz Ant1 Emission



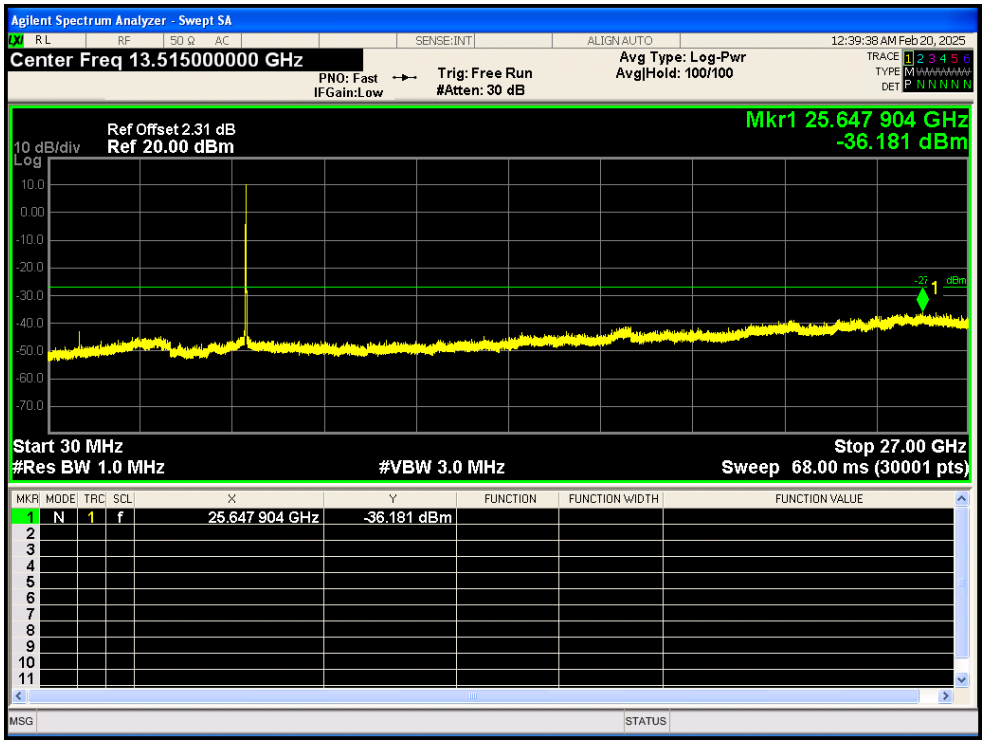
Tx. Spurious NVNT a 5745MHz Ant2 Emission



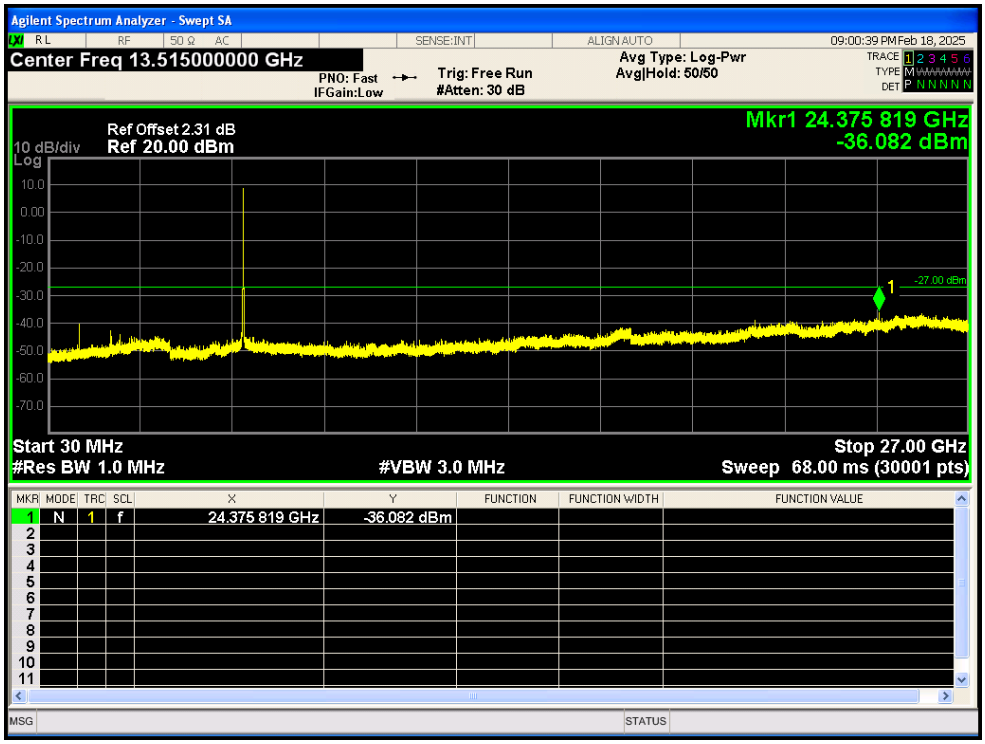
Tx. Spurious NVNT a 5785MHz Ant2 Emission



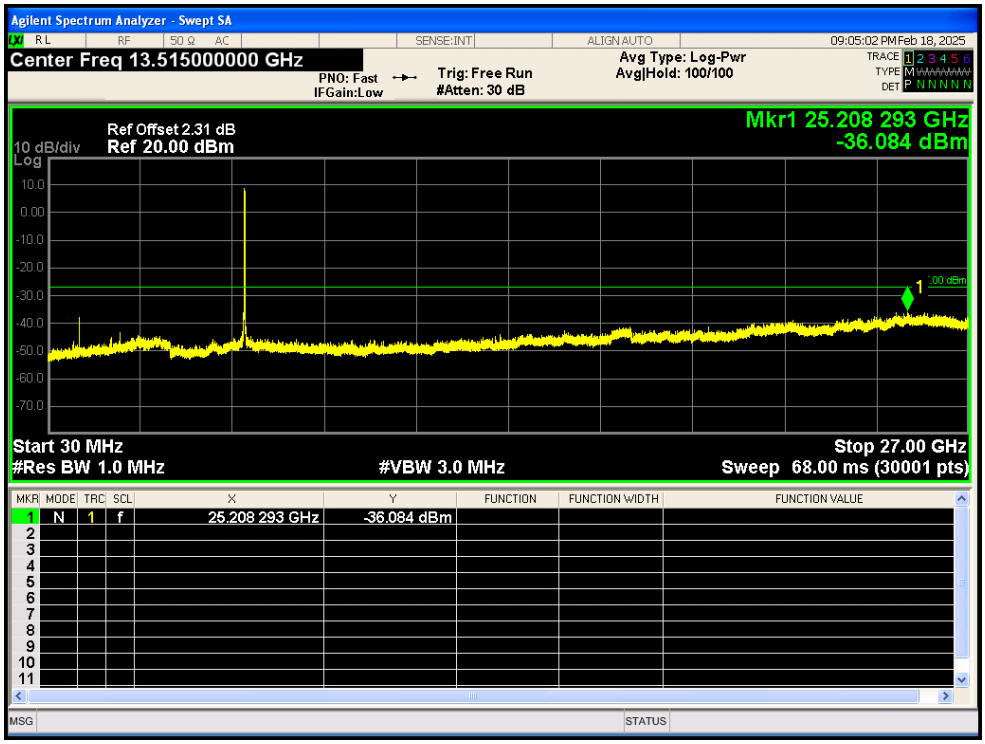
Tx. Spurious NVNT a 5825MHz Ant2 Emission



Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



Tx. Spurious NVNT ac20 5785MHz Ant1 Emission



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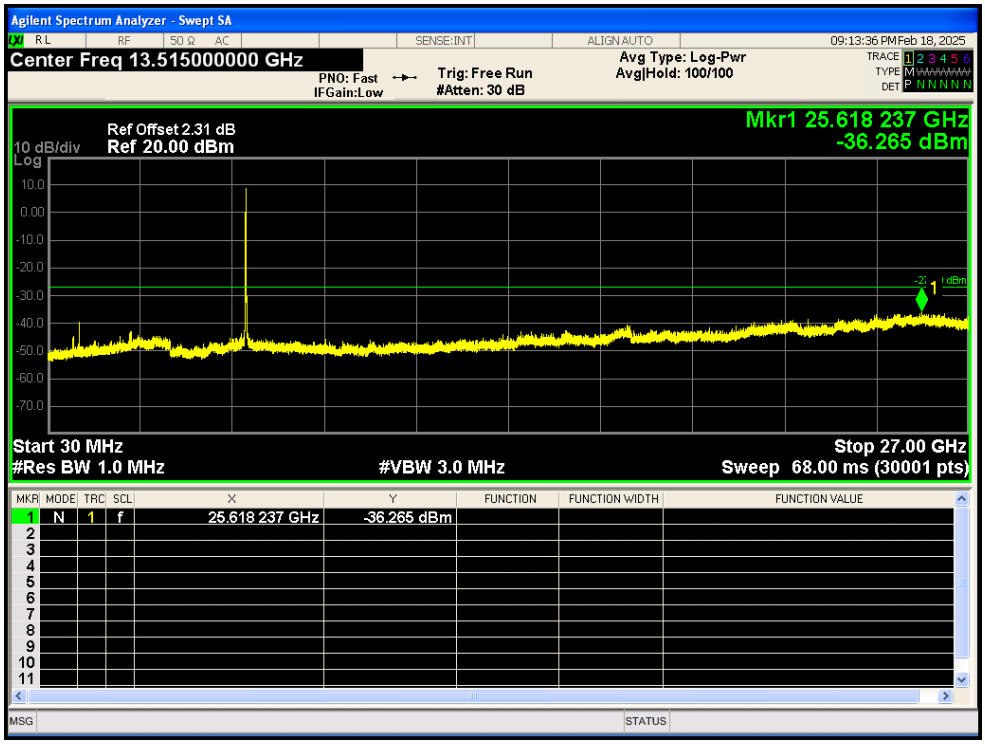

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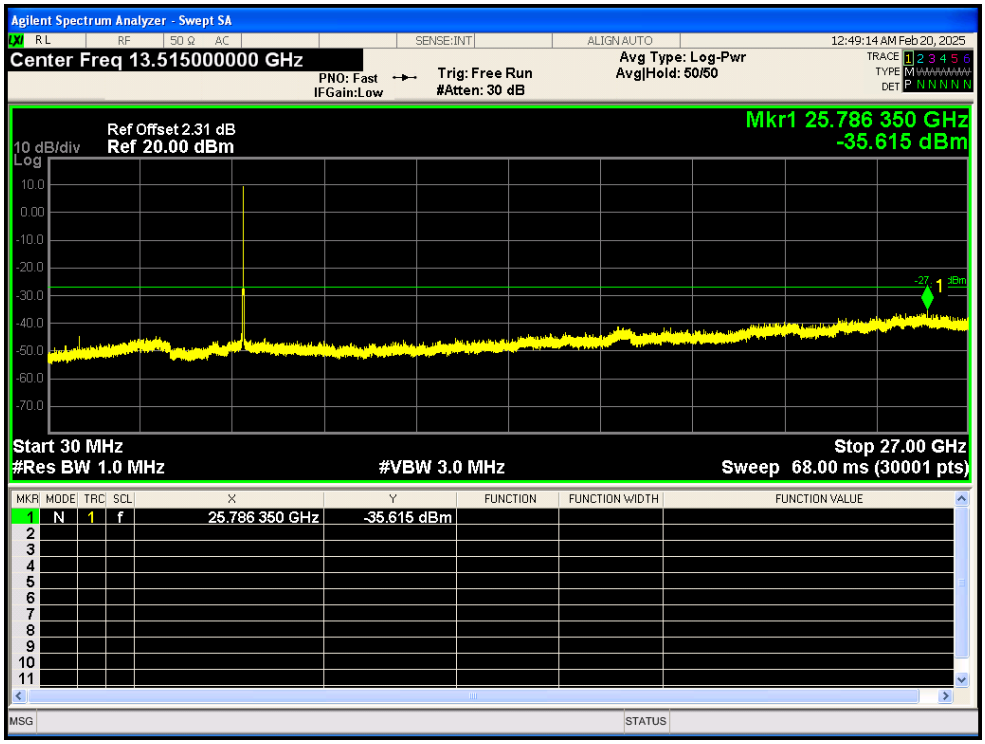

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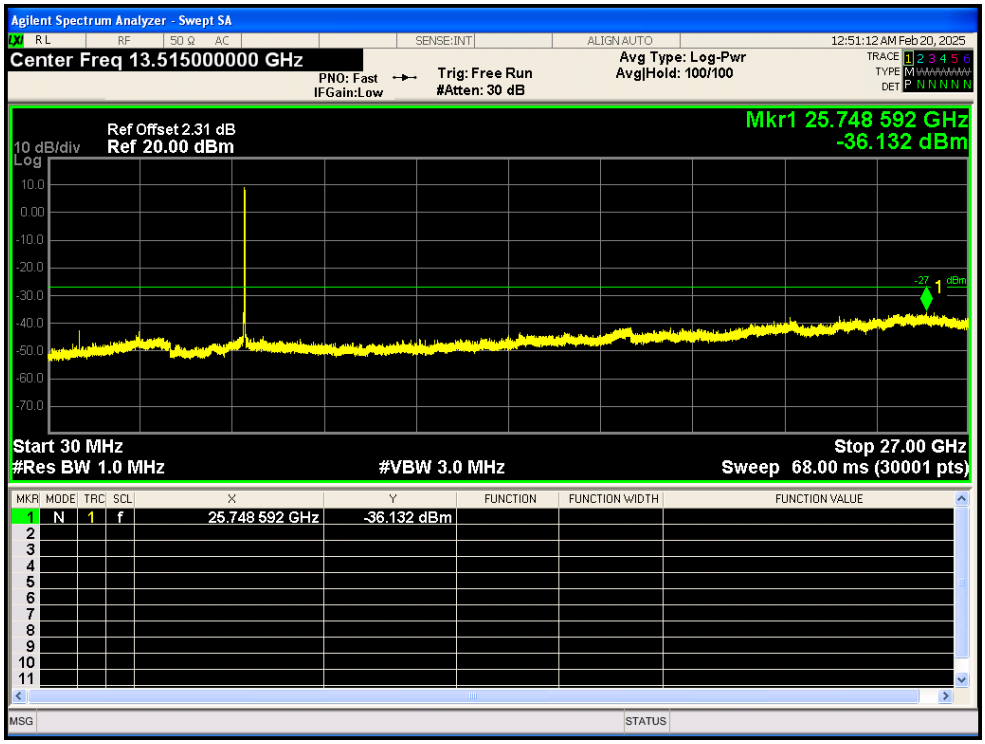

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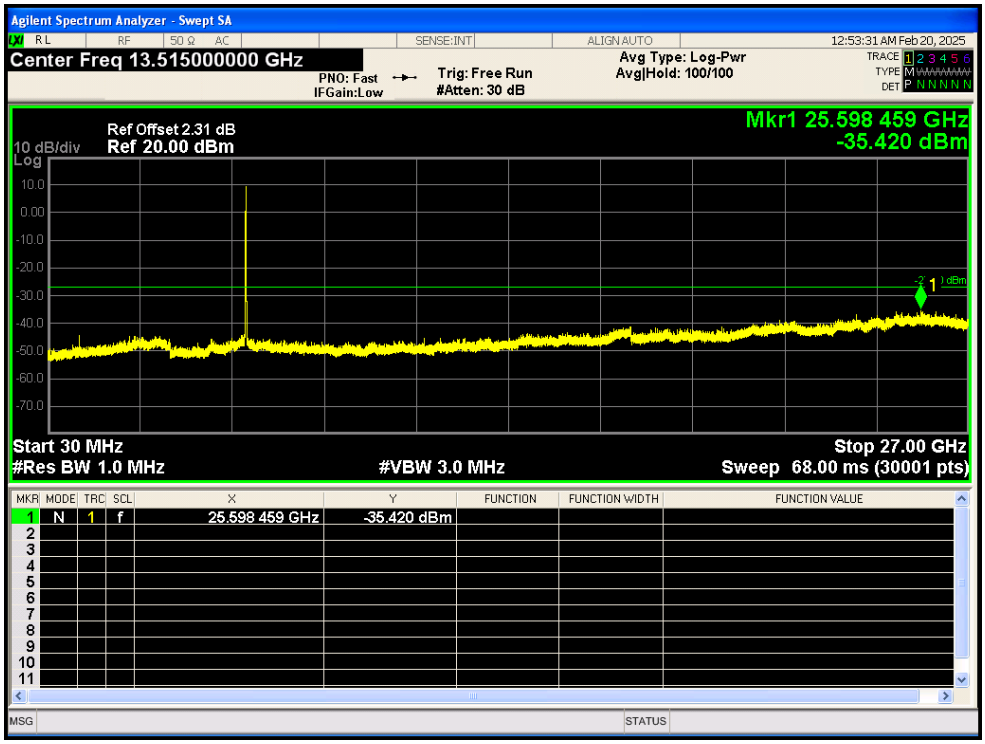
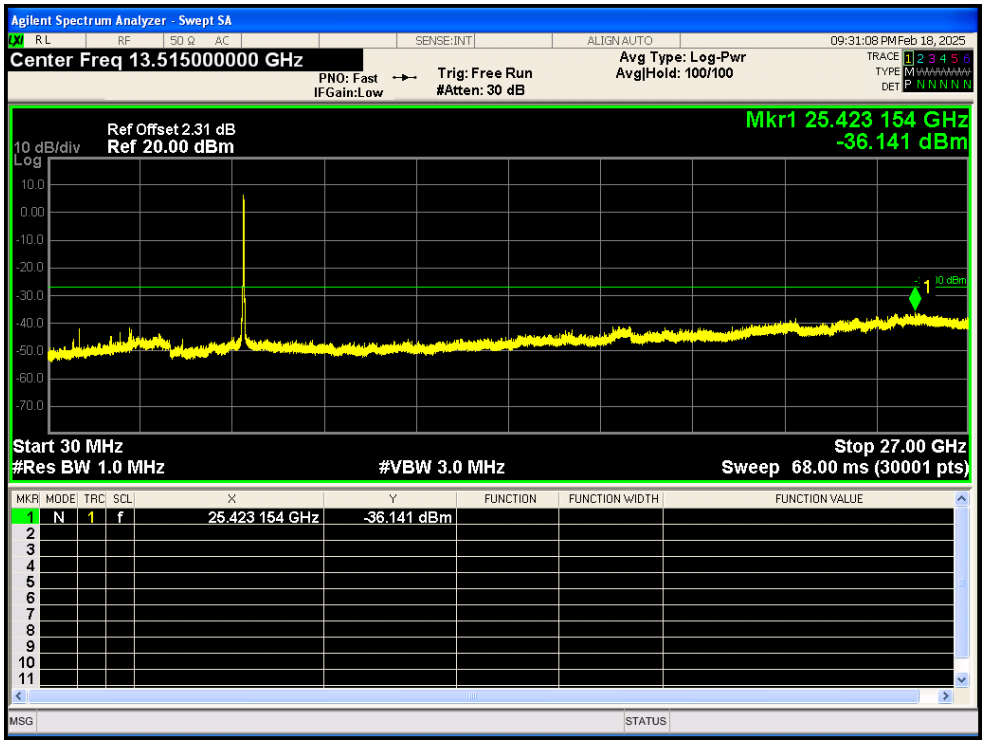


Tx. Spurious NVNT ac40 5755MHz Ant1 Emission



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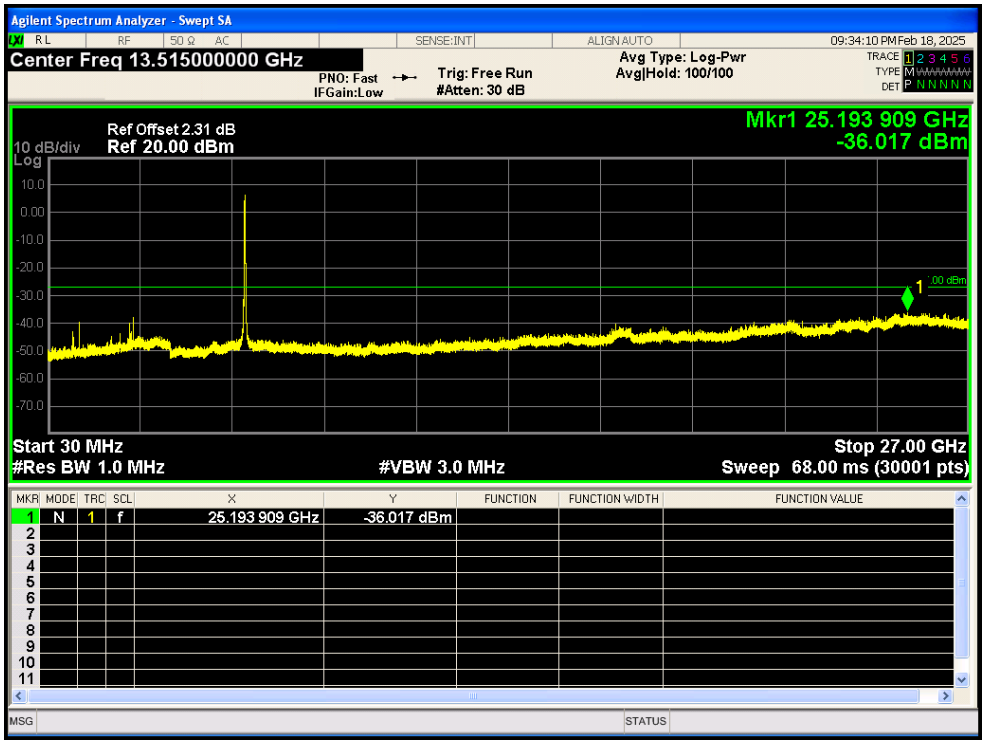

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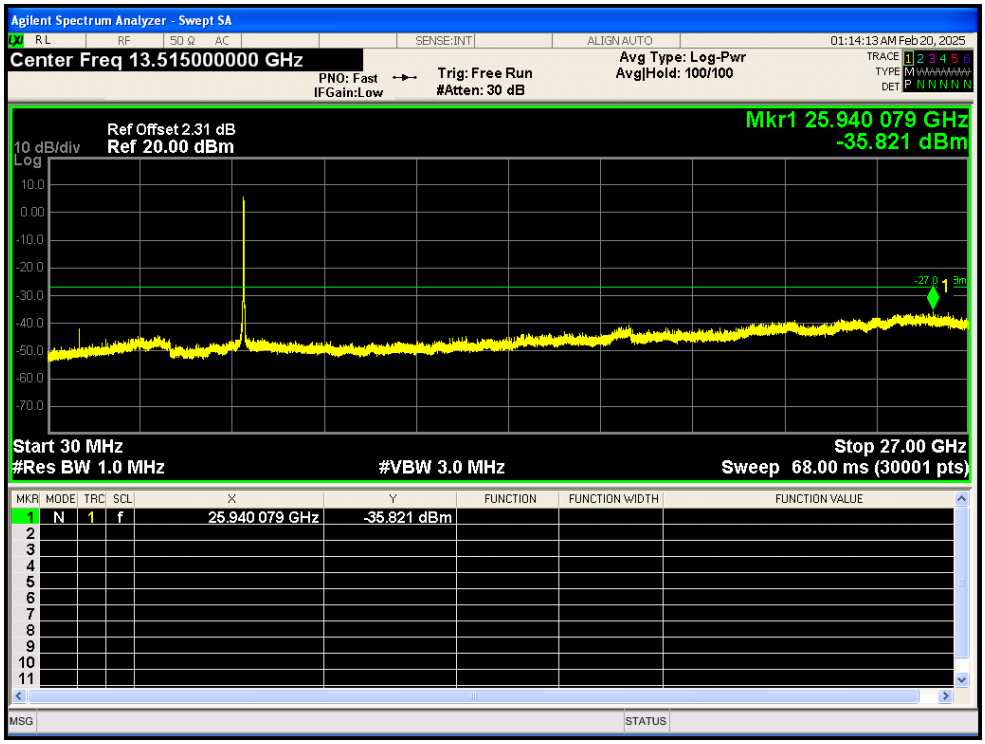
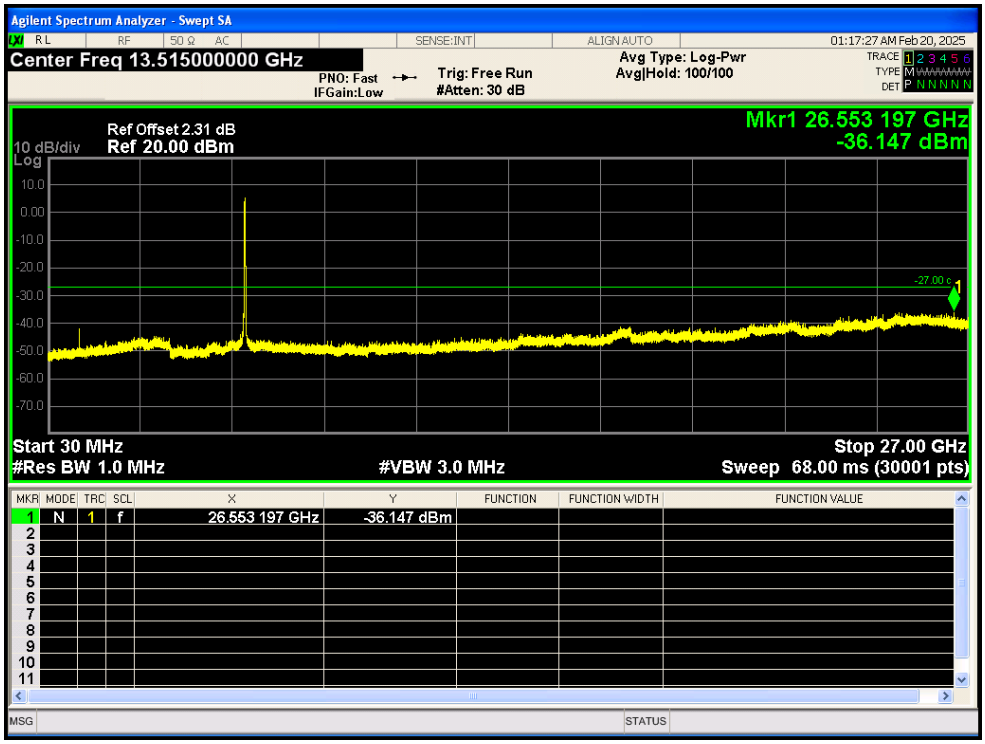
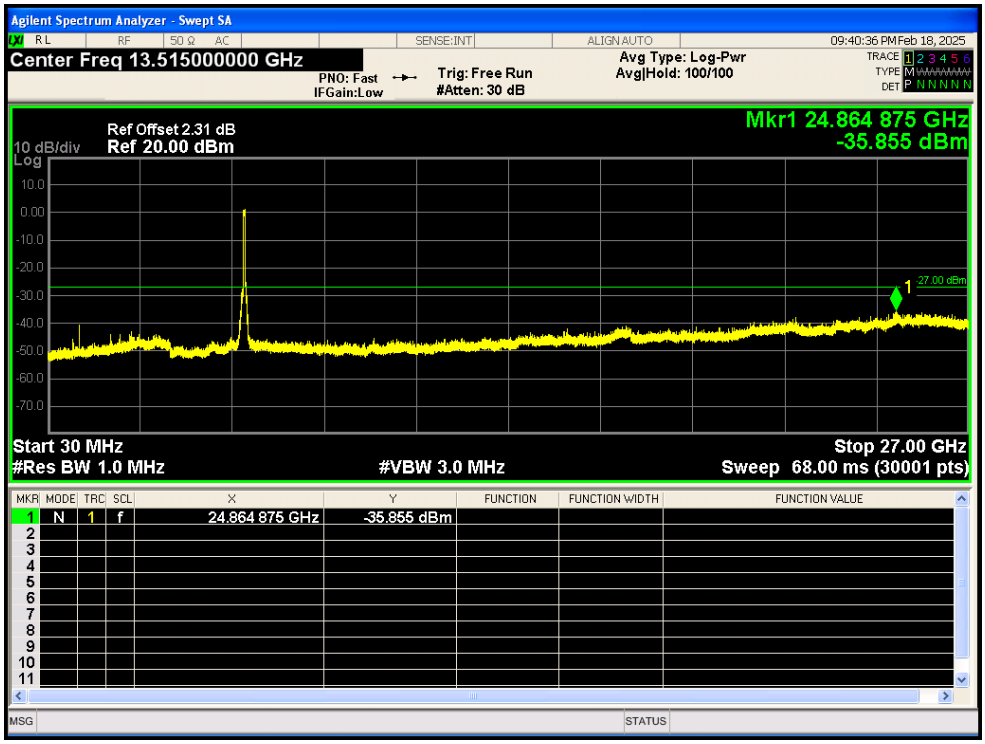


Tx. Spurious NVNT ac40 5795MHz Ant2 Emission



Tx. Spurious NVNT ac80 5775MHz Ant1 Emission



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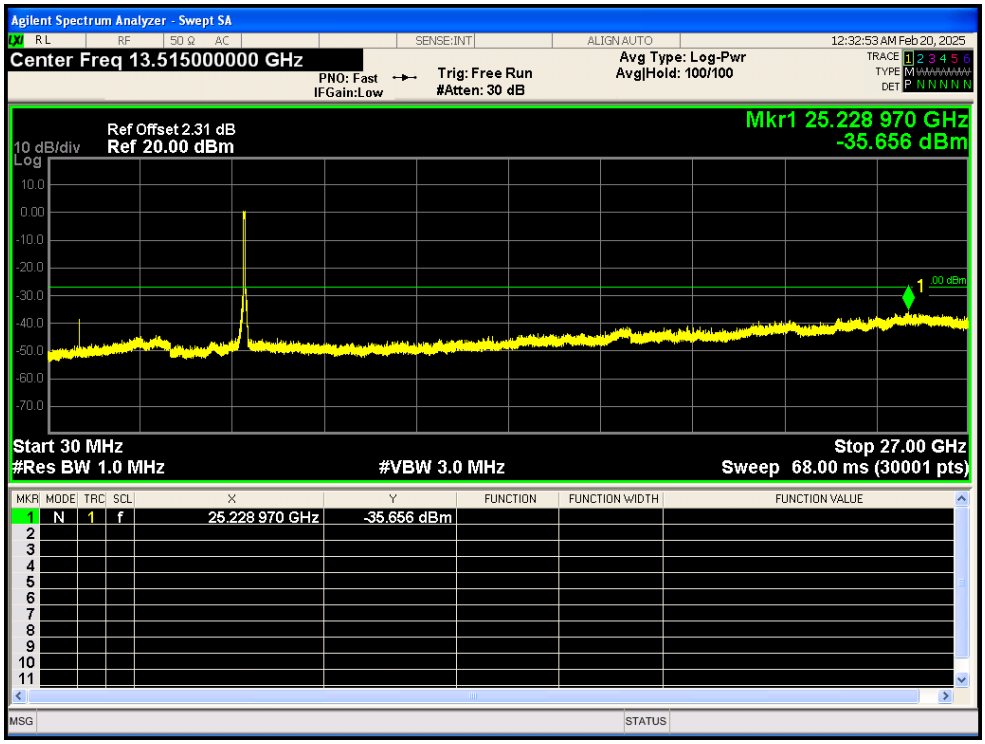

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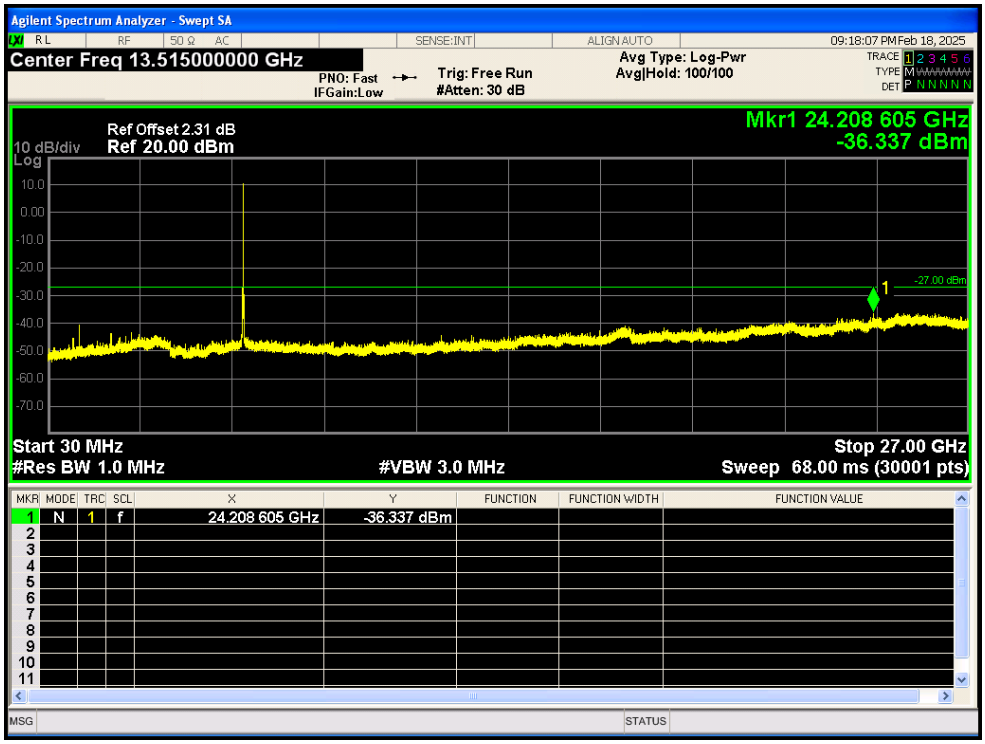

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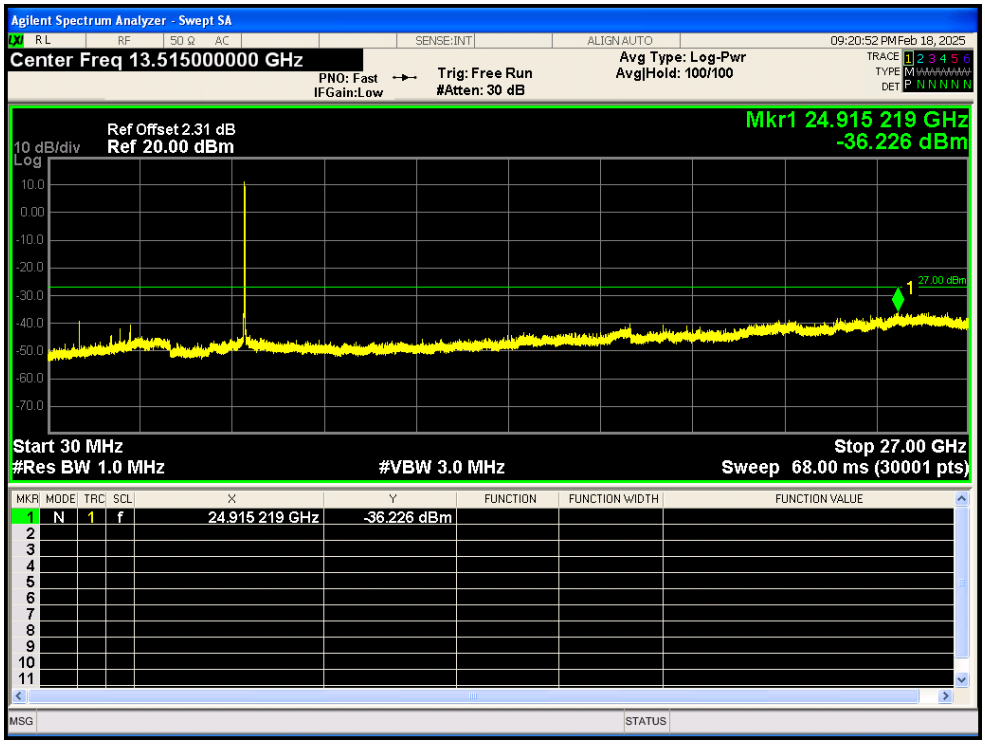

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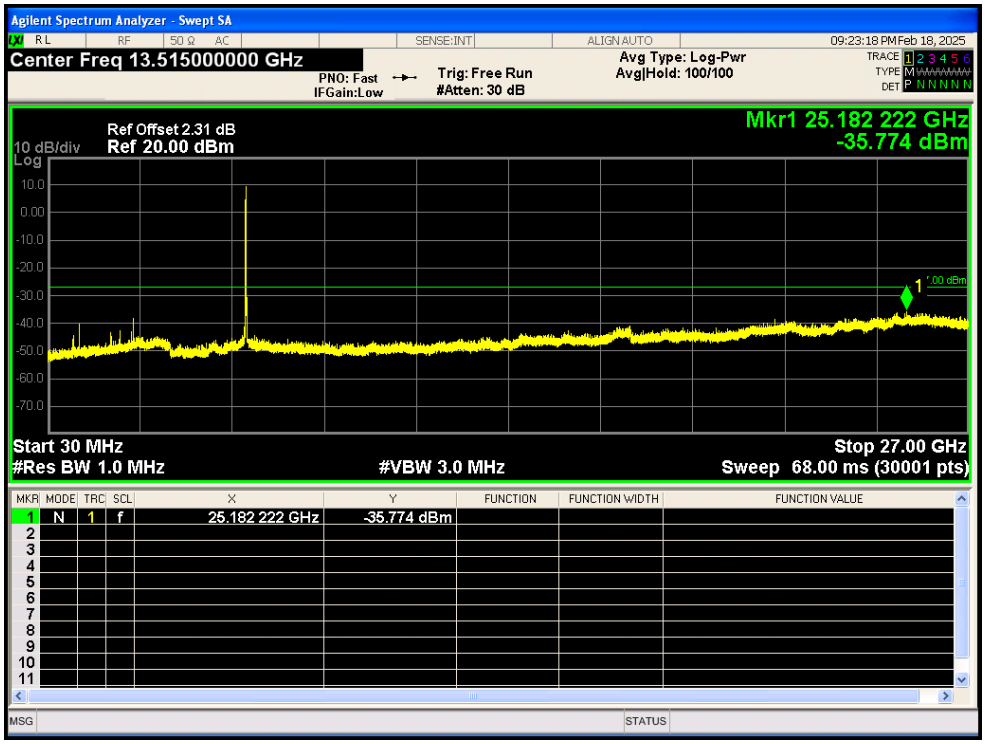

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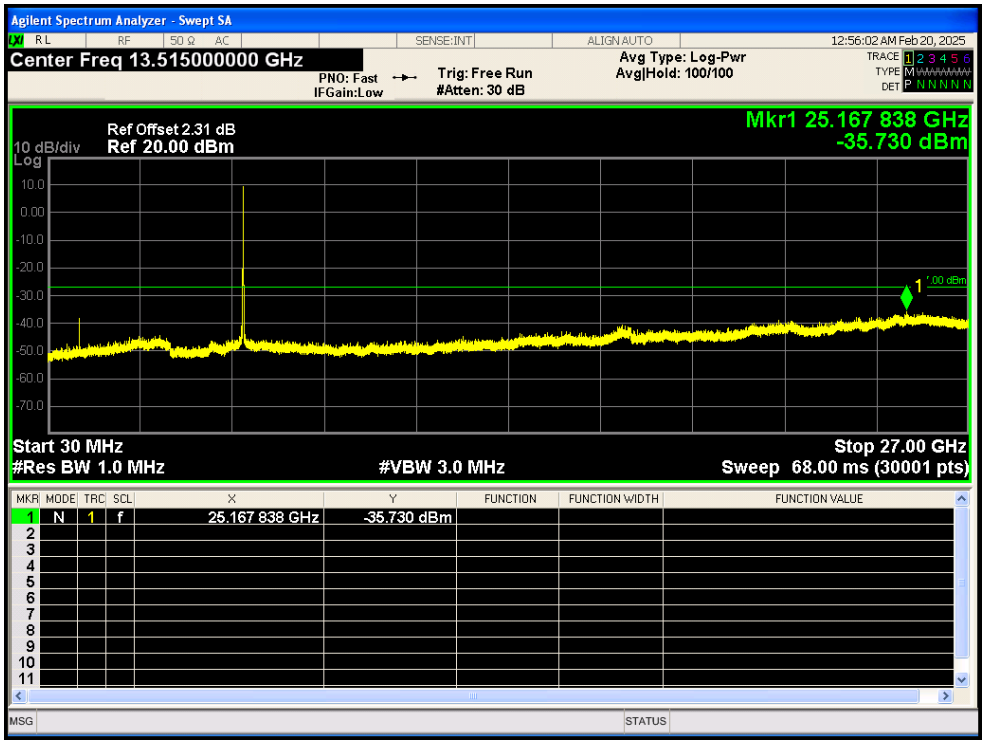

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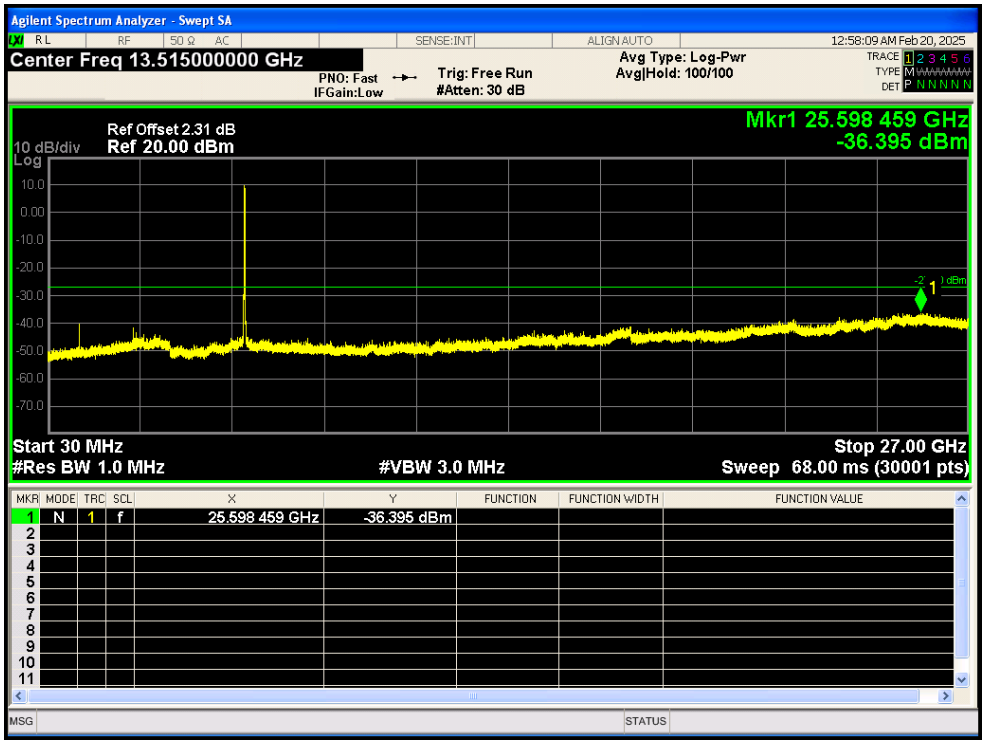

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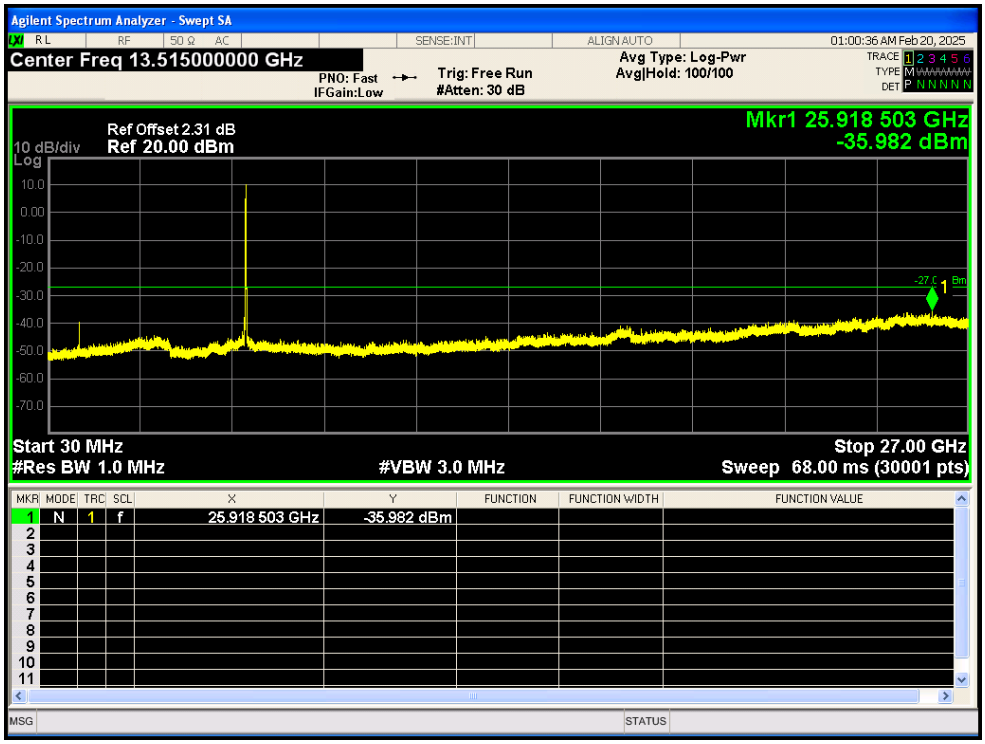

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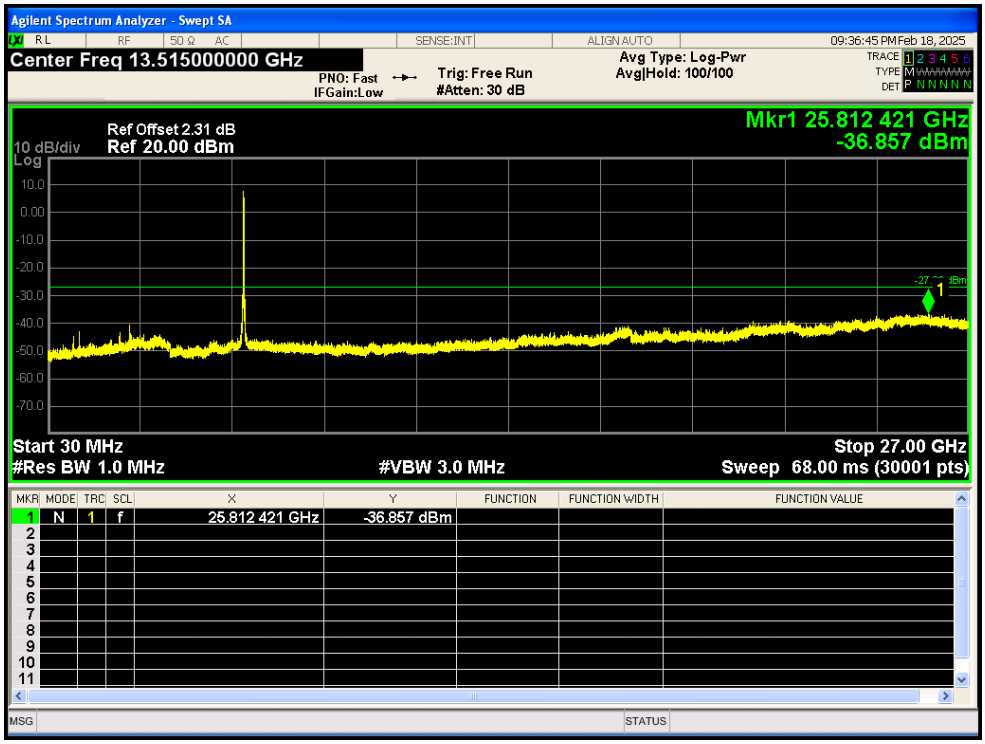

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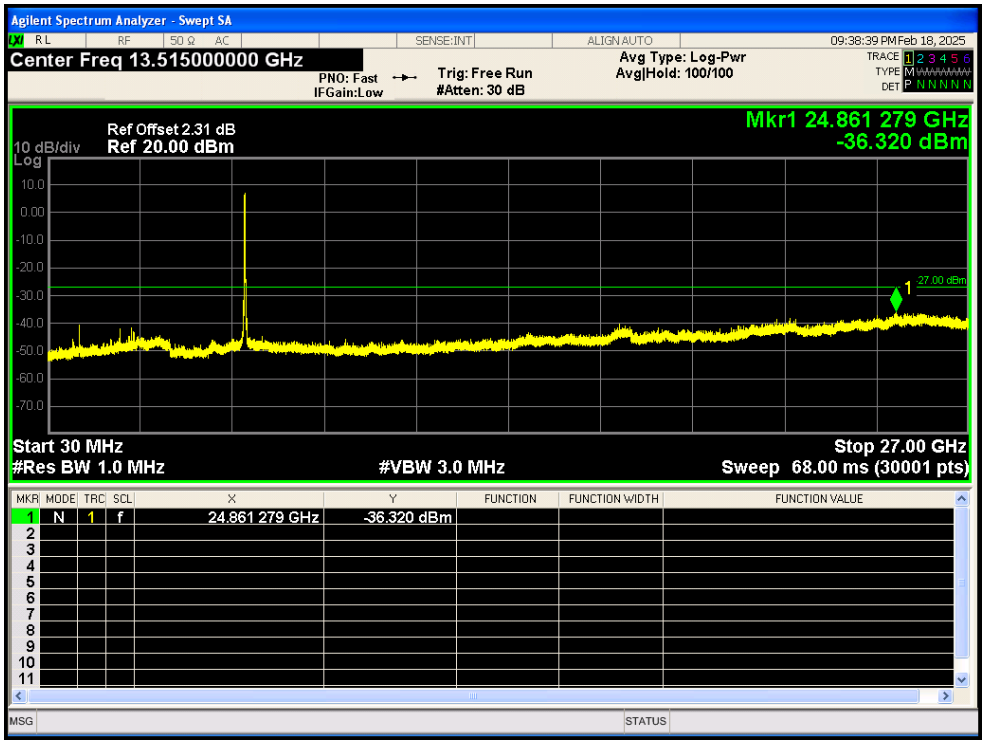

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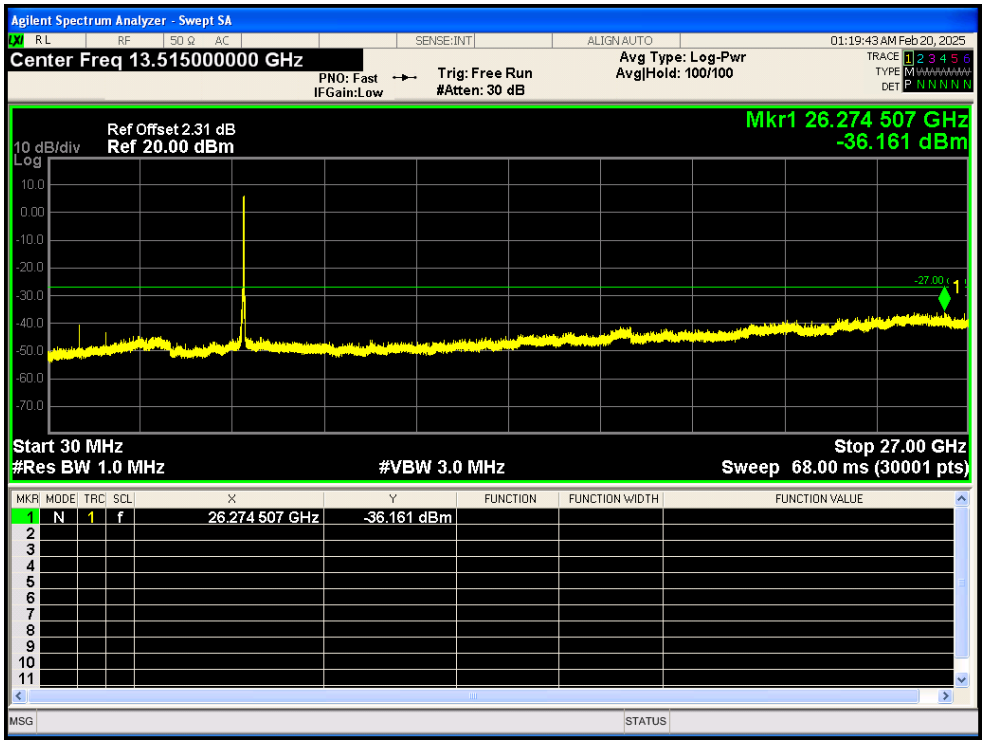

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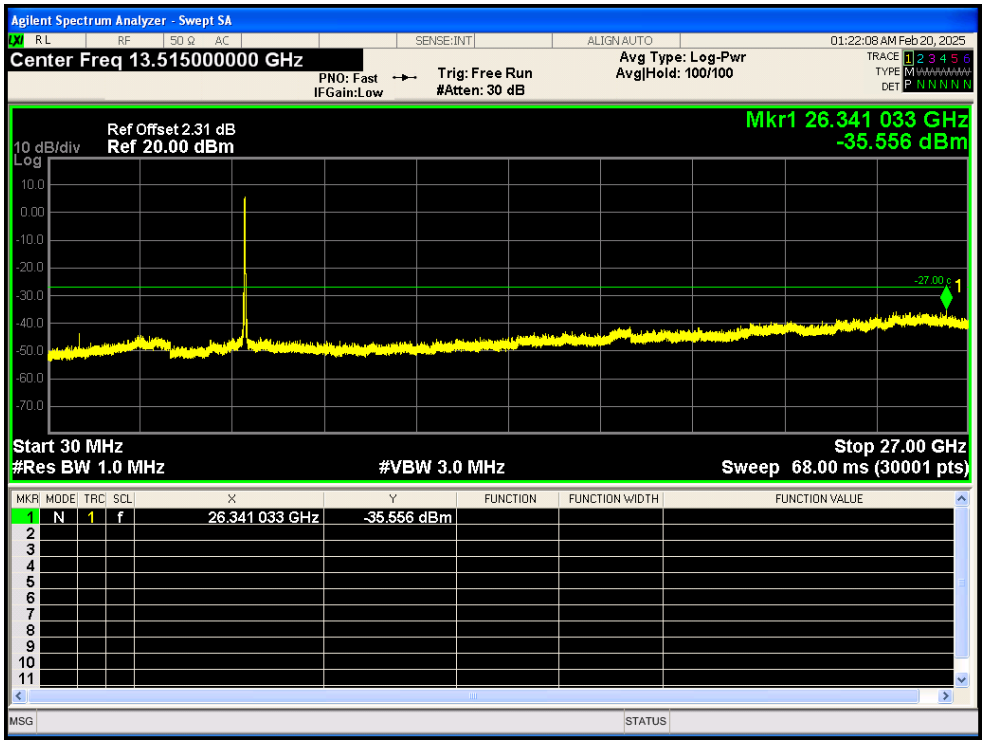

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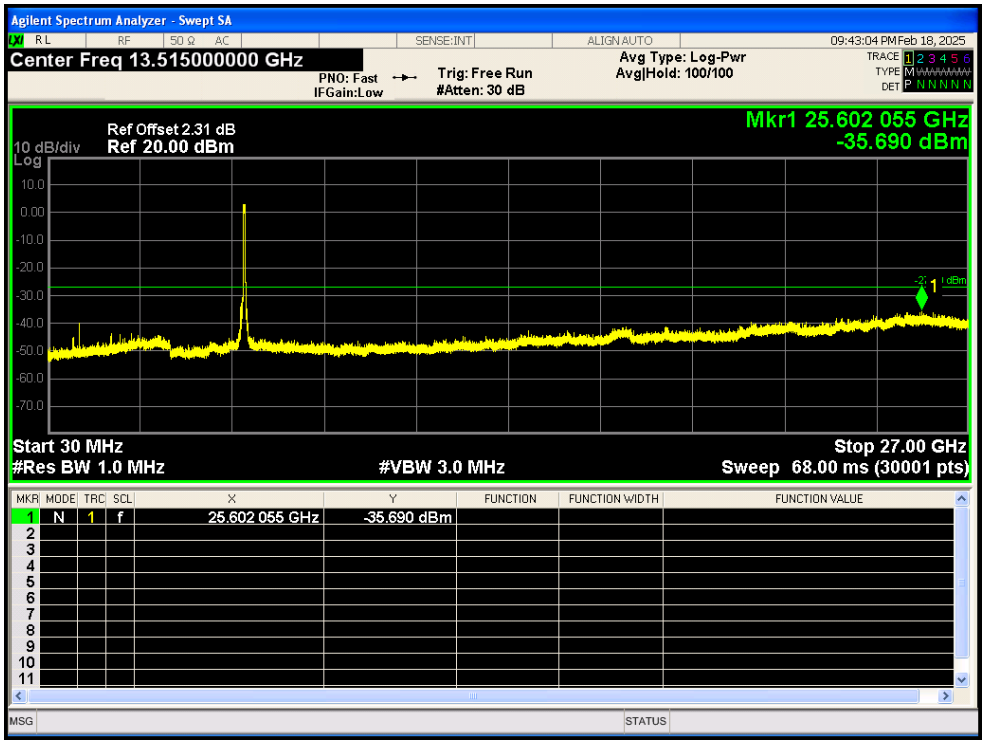
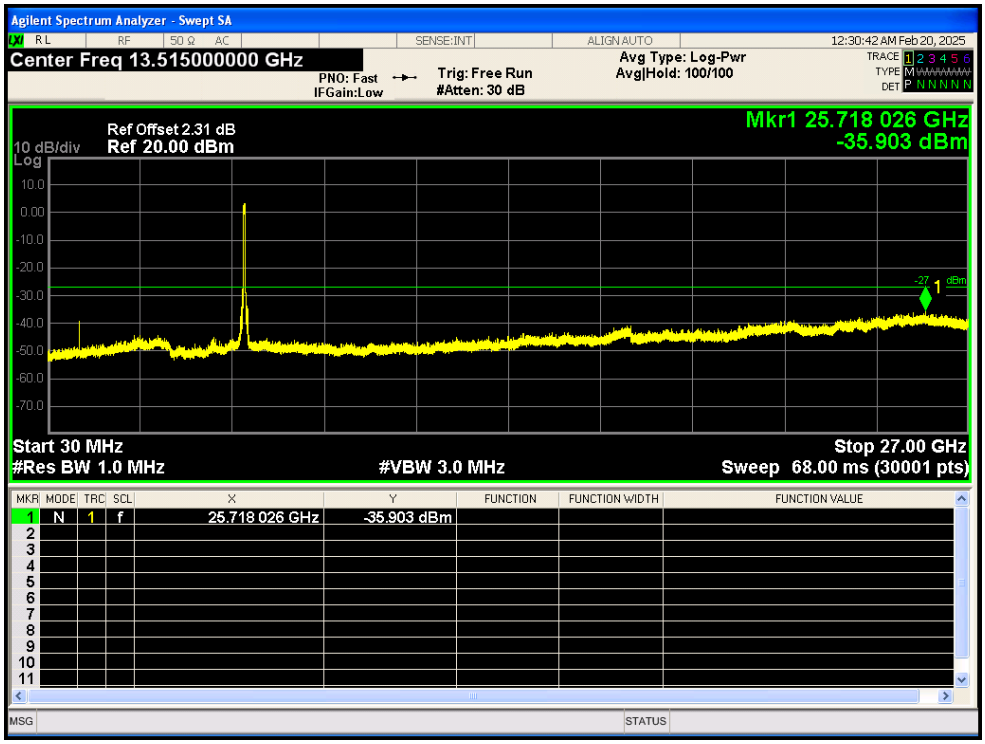
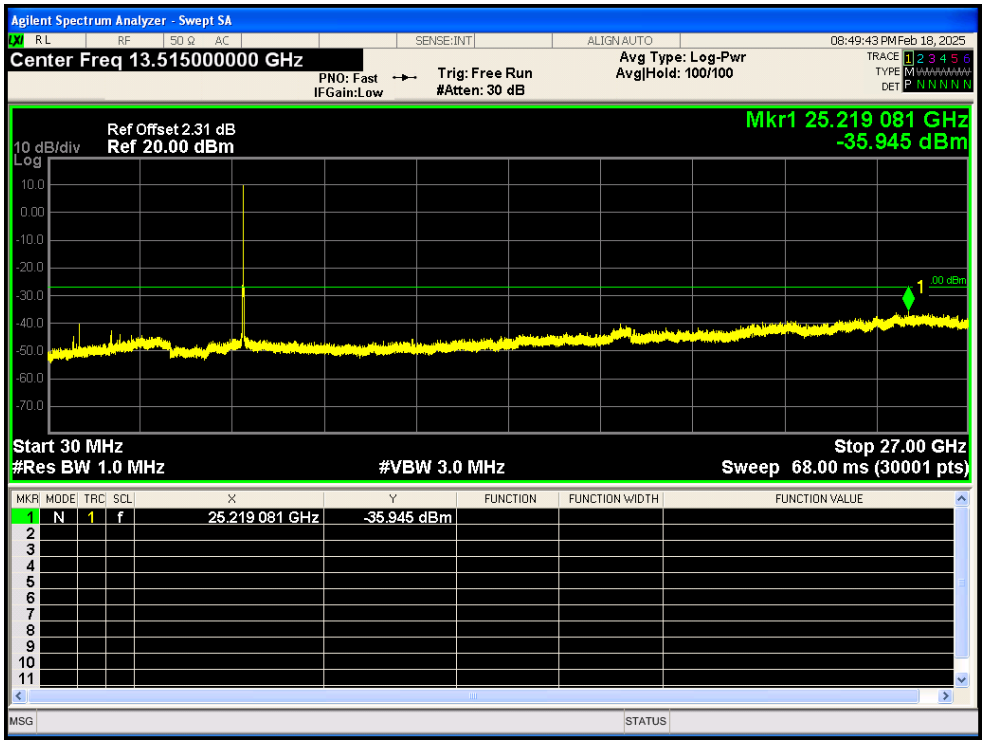


Tx. Spurious NVNT ax80 5775MHz Ant2 Emission



Tx. Spurious NVNT n20 5745MHz Ant1 Emission



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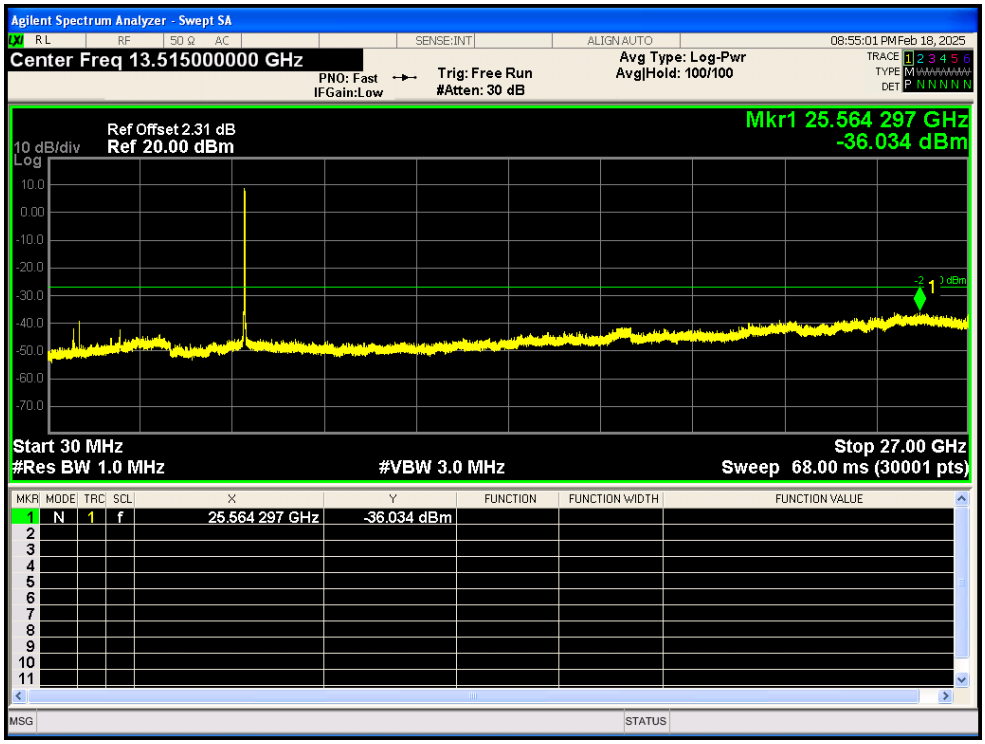

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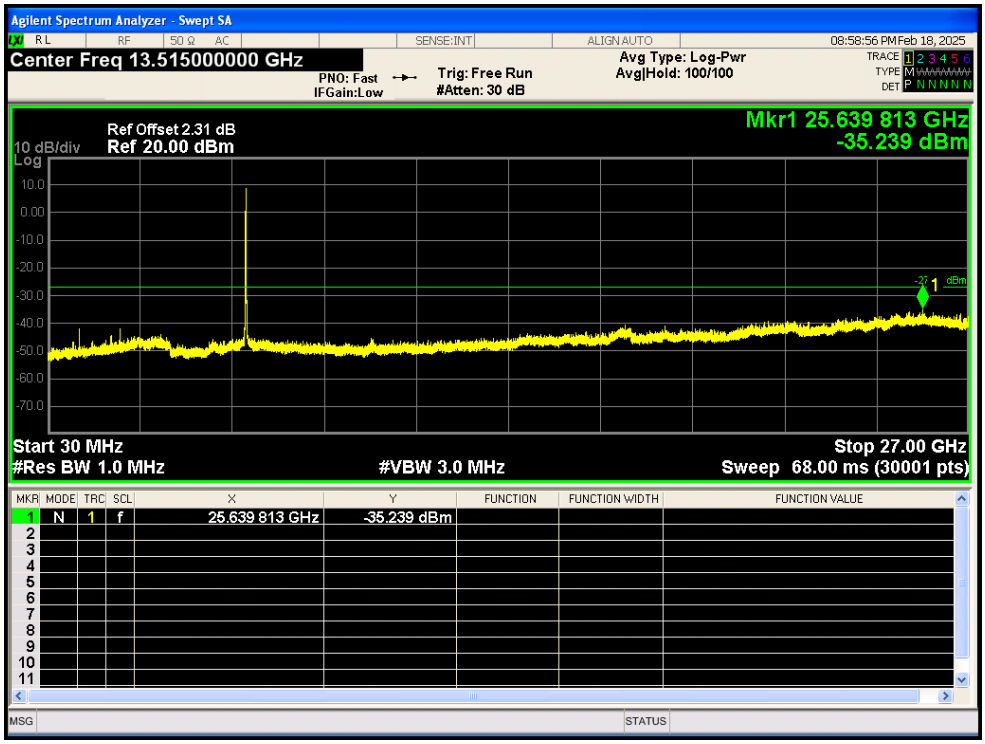

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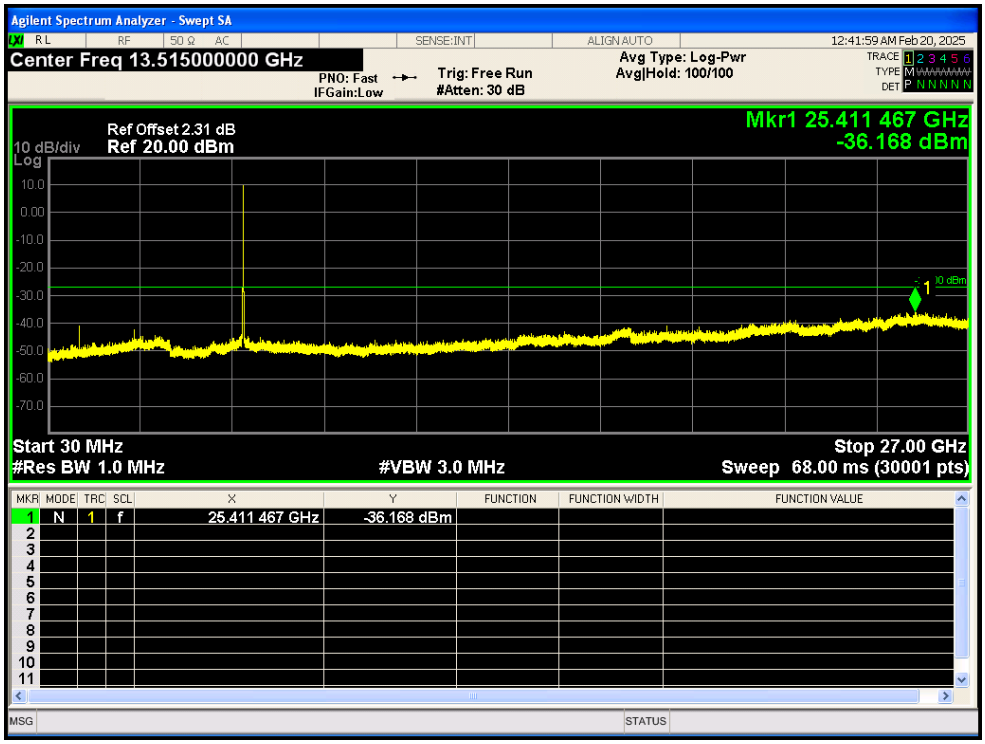
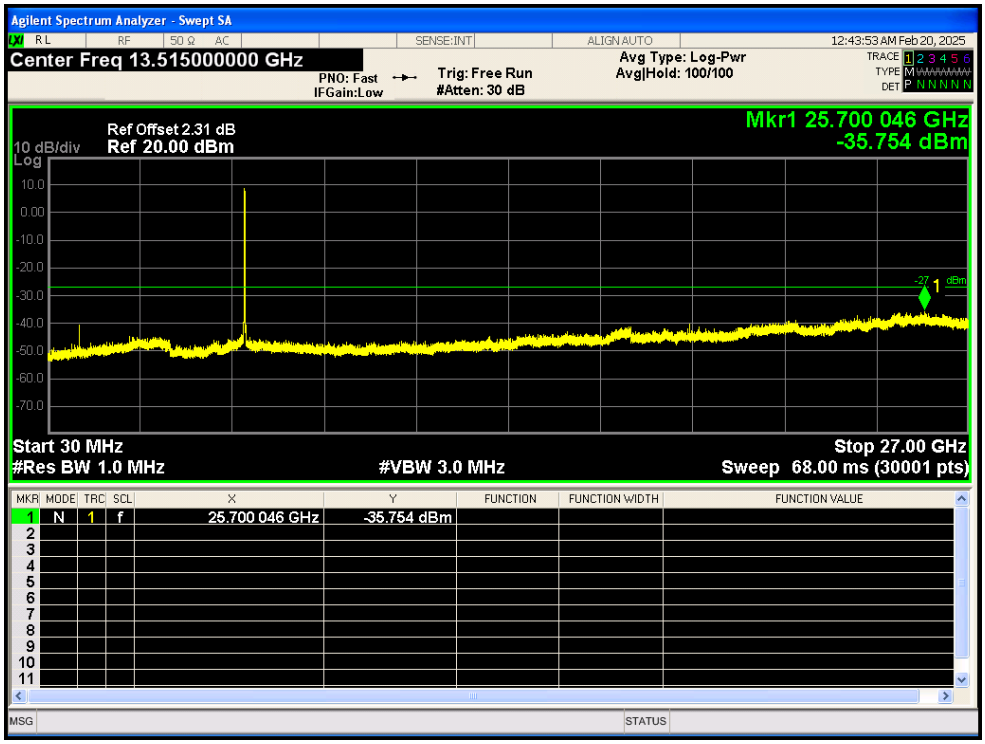
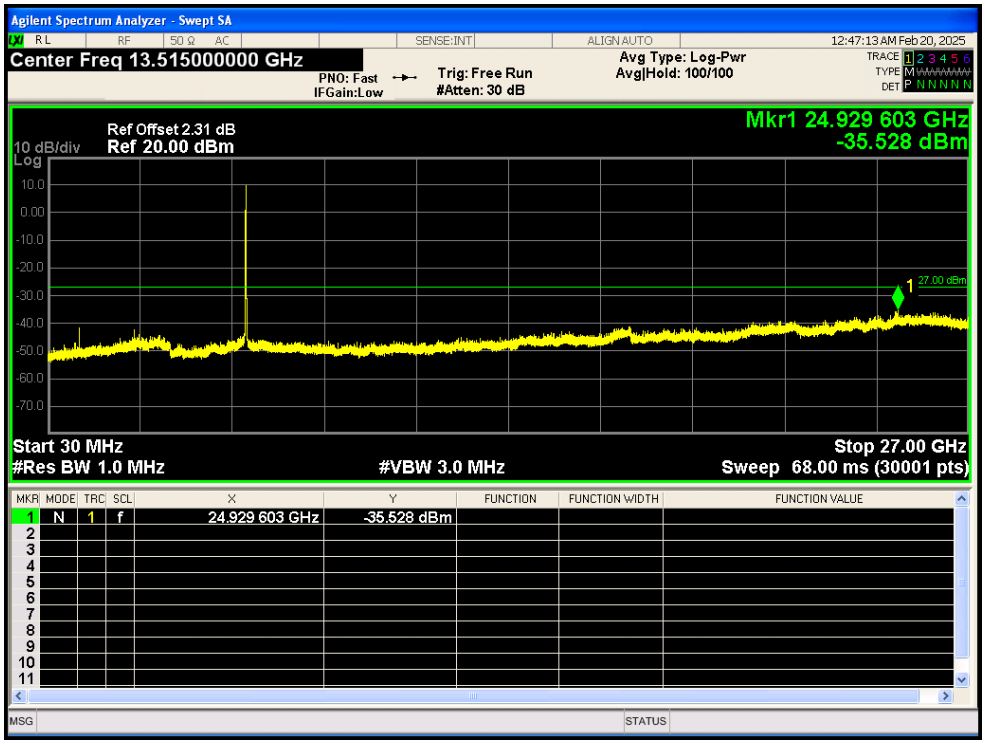


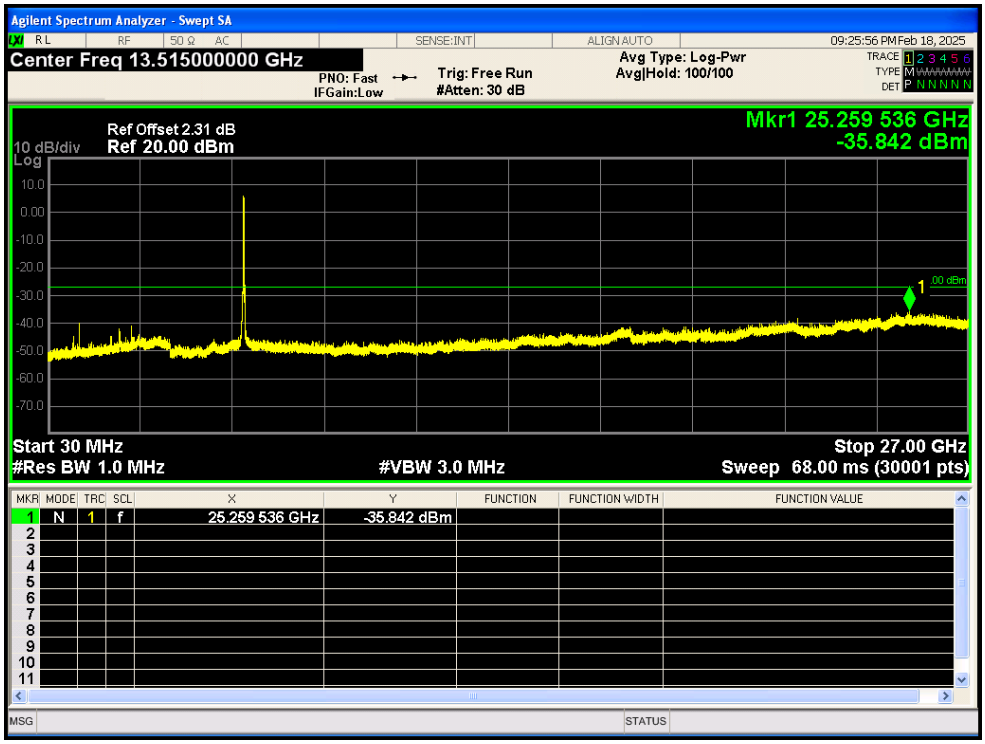
Tx. Spurious NVNT n20 5785MHz Ant2 Emission



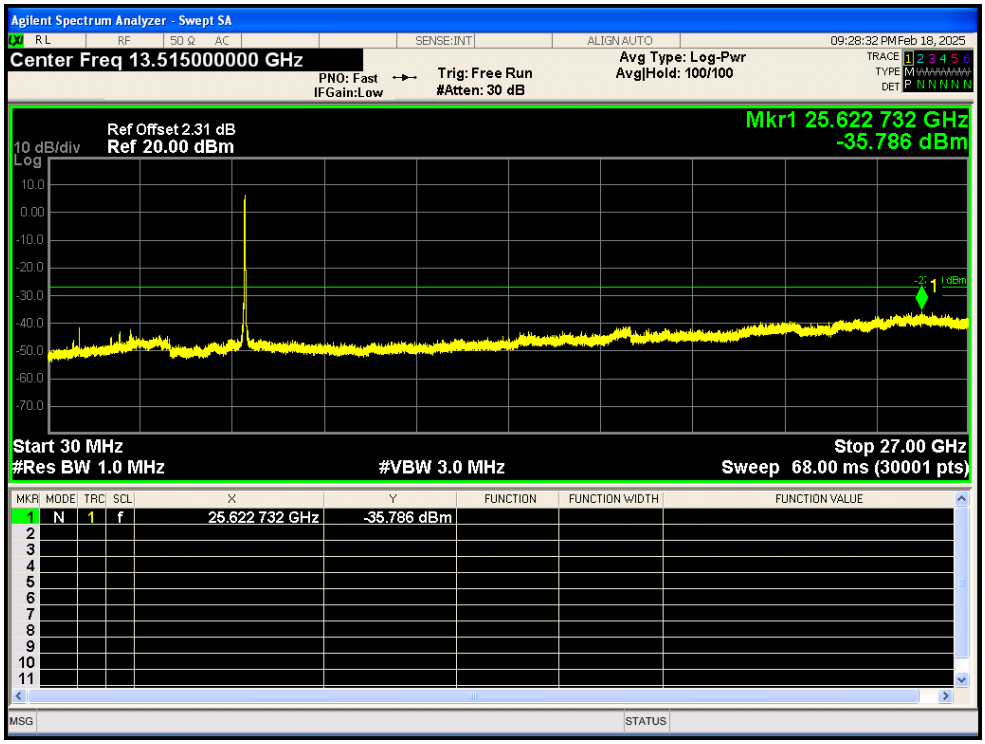
Tx. Spurious NVNT n20 5825MHz Ant2 Emission



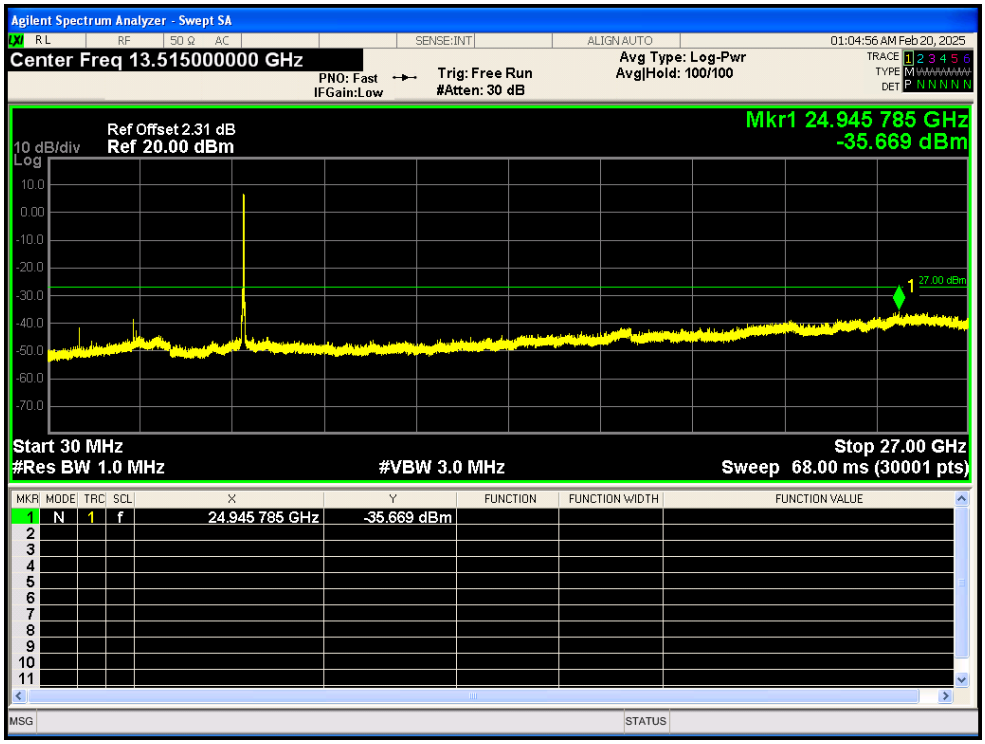
Tx. Spurious NVNT n40 5755MHz Ant1 Emission



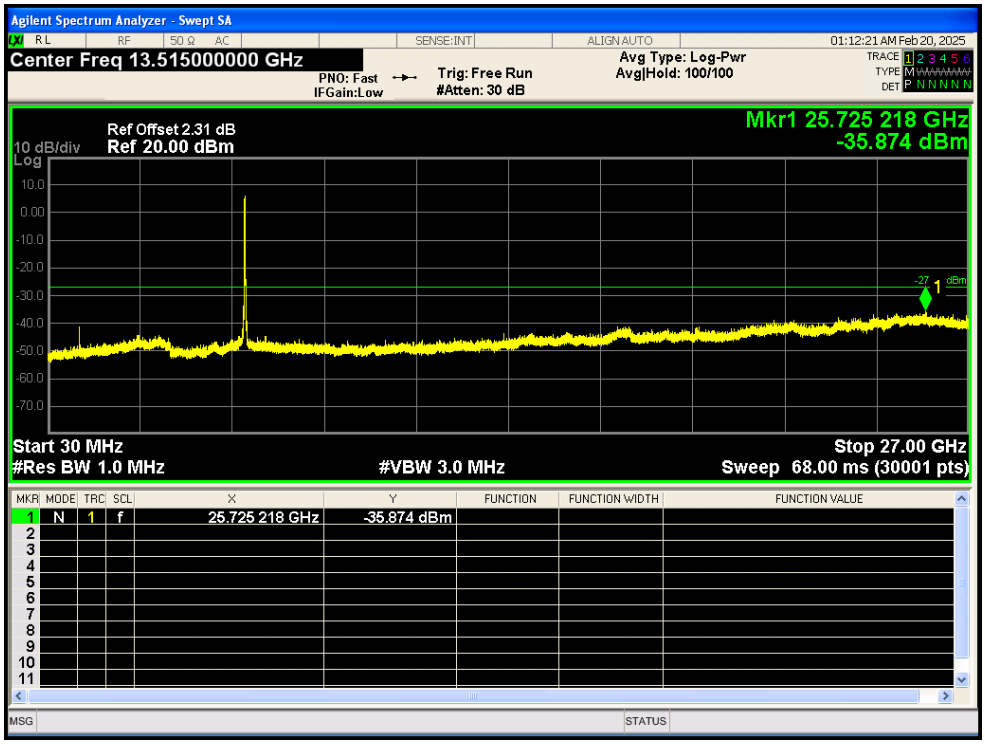
Tx. Spurious NVNT n40 5795MHz Ant1 Emission



Tx. Spurious NVNT n40 5755MHz Ant2 Emission



Tx. Spurious NVNT n40 5795MHz Ant2 Emission



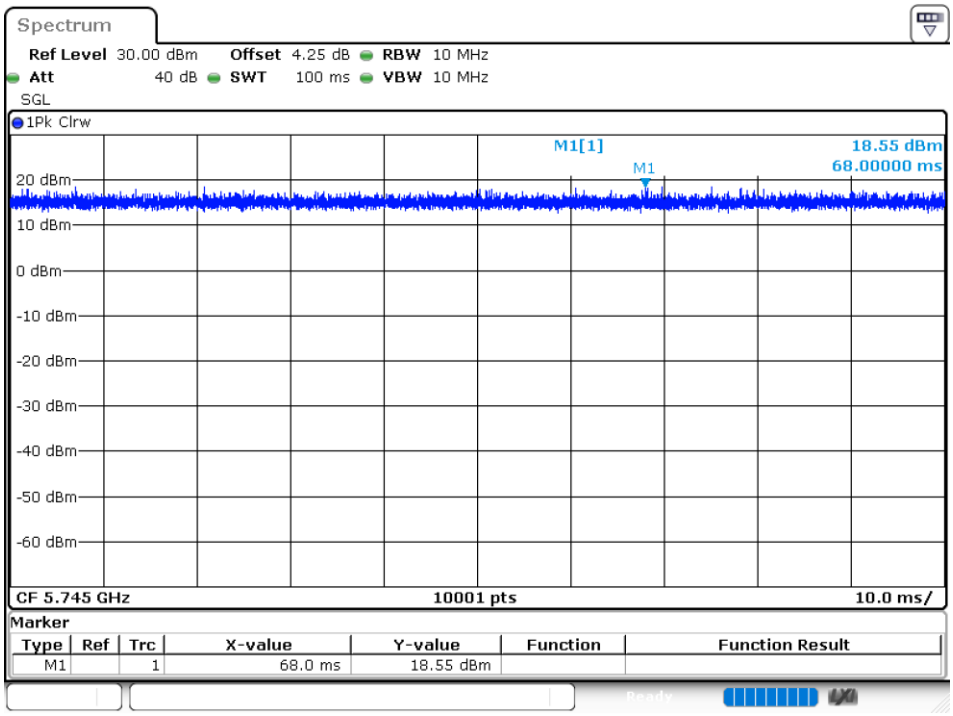
5.8G WIFI-MIMO

Duty Cycle

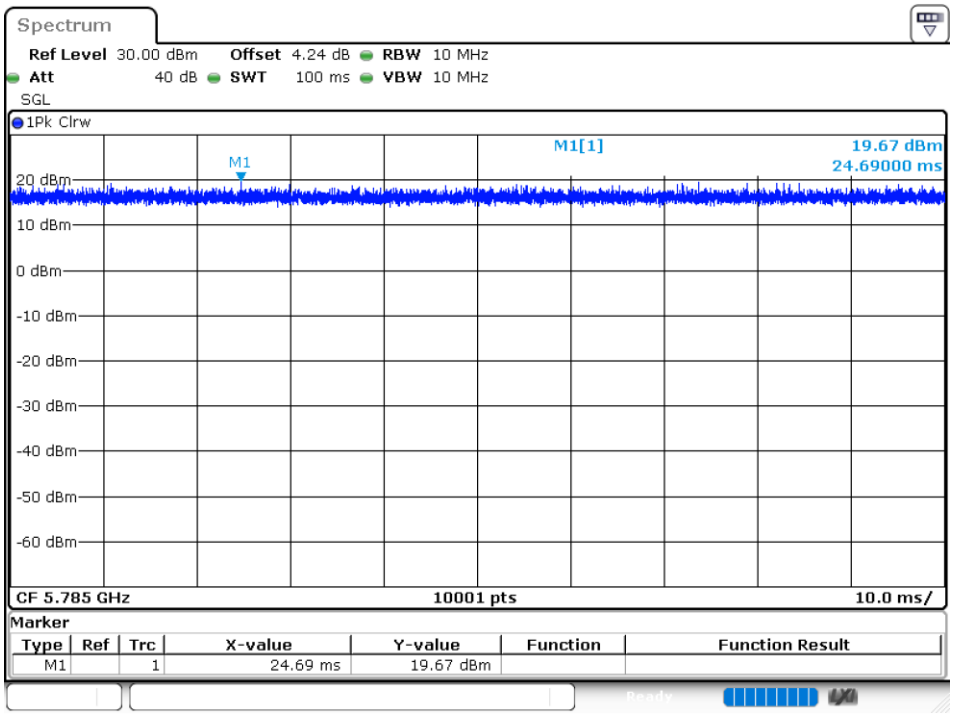
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ac20	5745	Sum	100	0	0
NVNT	ac20	5785	Sum	100	0	0
NVNT	ac20	5825	Sum	100	0	0
NVNT	ac40	5755	Sum	100	0	0
NVNT	ac40	5795	Sum	100	0	0
NVNT	ac80	5775	Sum	100	0	0
NVNT	ax20	5745	Sum	100	0	0
NVNT	ax20	5785	Sum	100	0	0
NVNT	ax20	5825	Sum	100	0	0
NVNT	ax40	5755	Sum	100	0	0
NVNT	ax40	5795	Sum	100	0	0
NVNT	ax80	5775	Sum	100	0	0
NVNT	n20	5745	Sum	100	0	0
NVNT	n20	5785	Sum	100	0	0
NVNT	n20	5825	Sum	100	0	0
NVNT	n40	5755	Sum	100	0	0
NVNT	n40	5795	Sum	100	0	0

Test Graphs

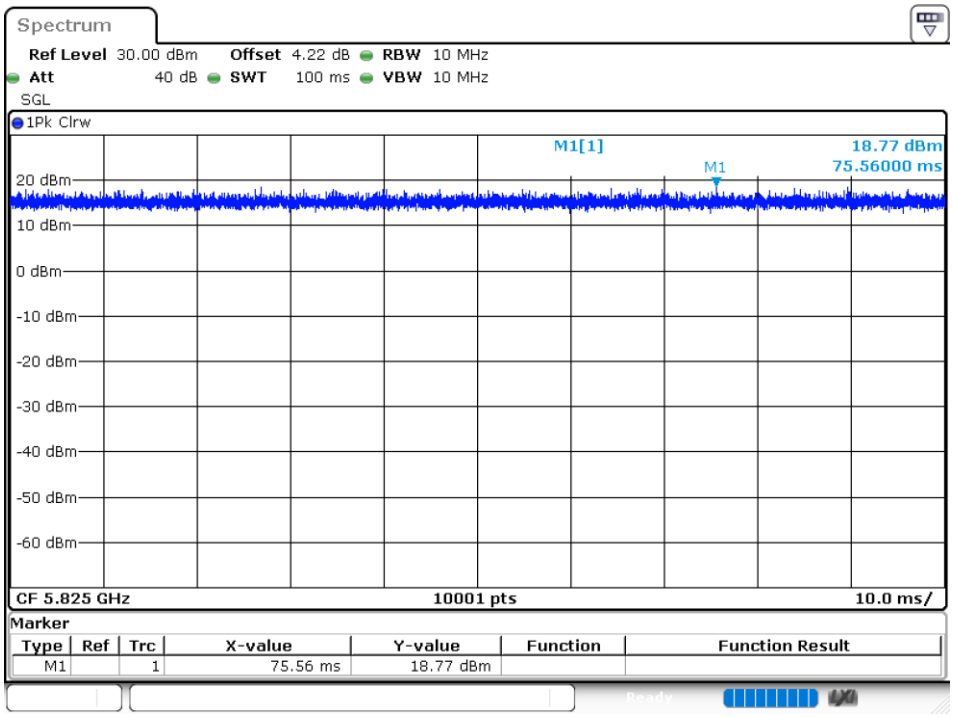
Duty Cycle NVNT ac20 5745MHz Sum



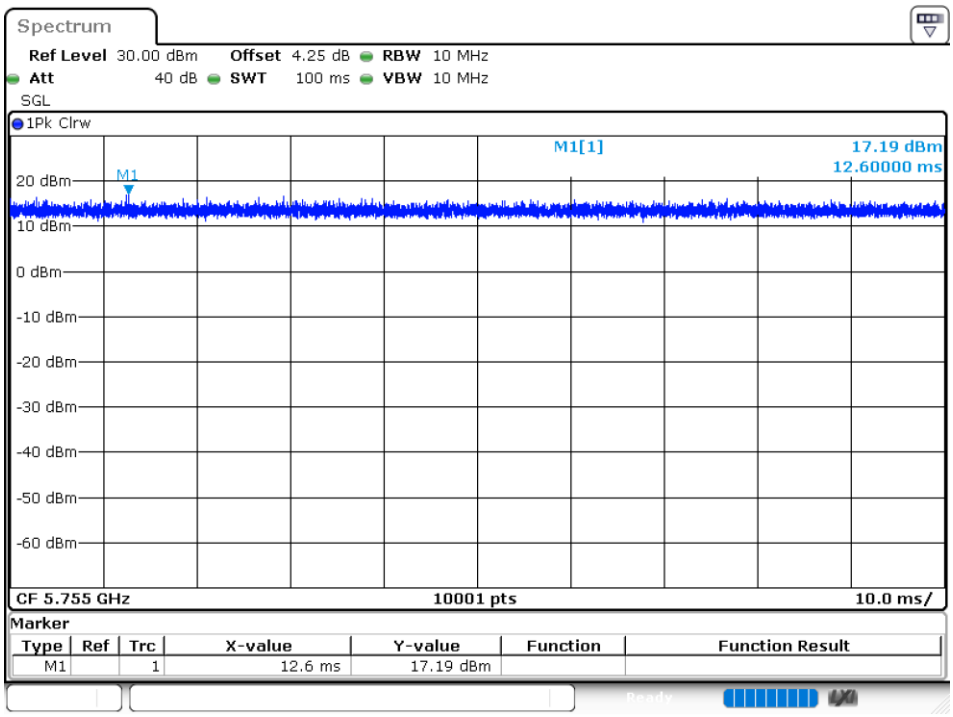
Duty Cycle NVNT ac20 5785MHz Sum



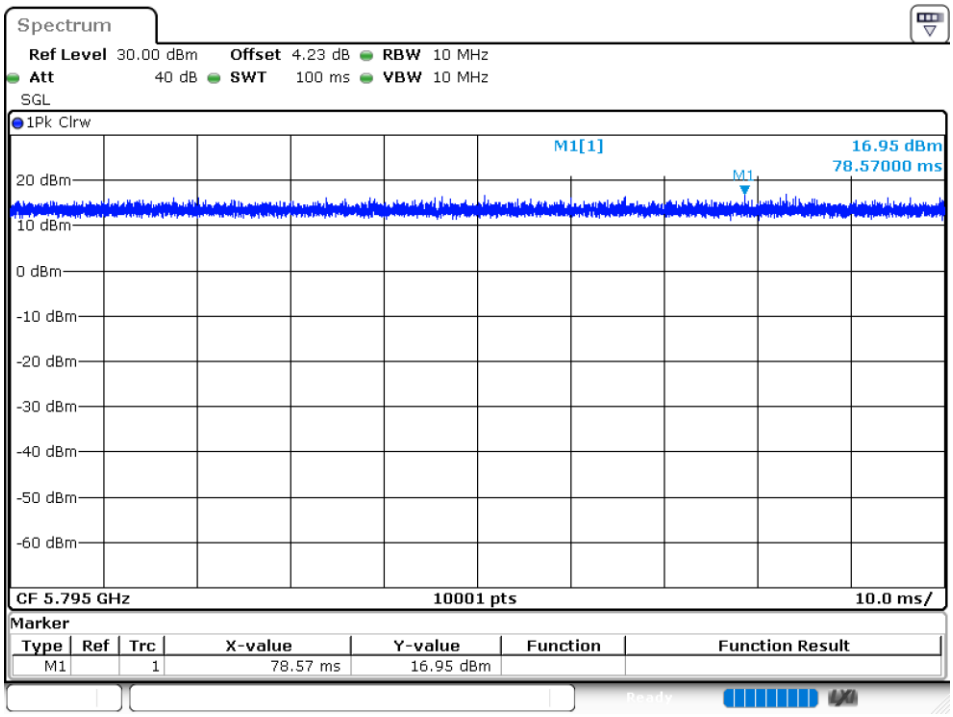
Duty Cycle NVNT ac20 5825MHz Sum



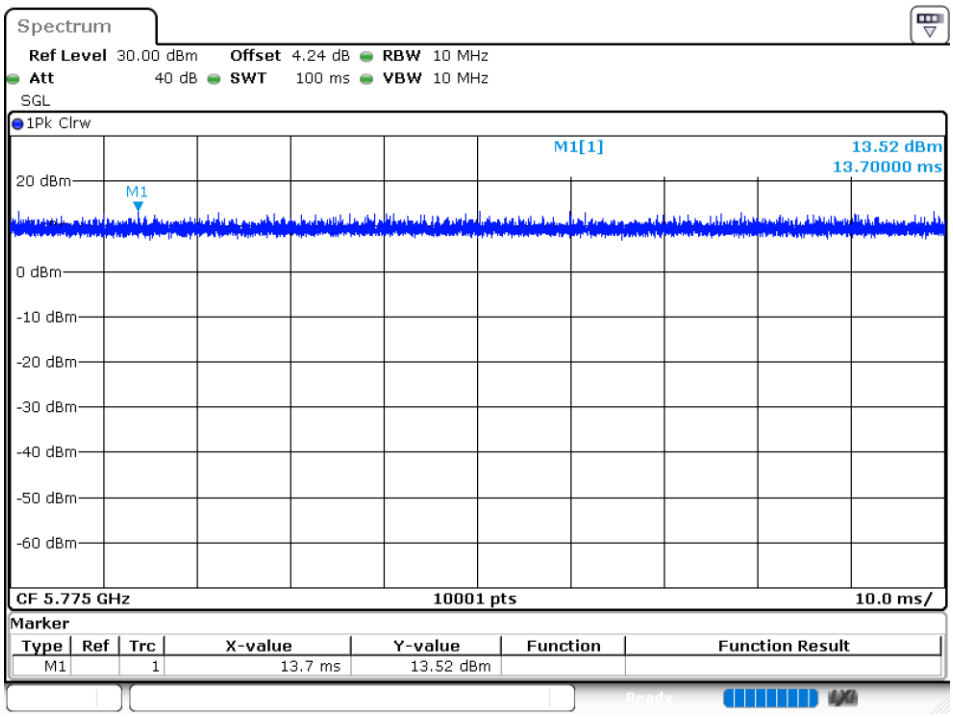
Duty Cycle NVNT ac40 5755MHz Sum



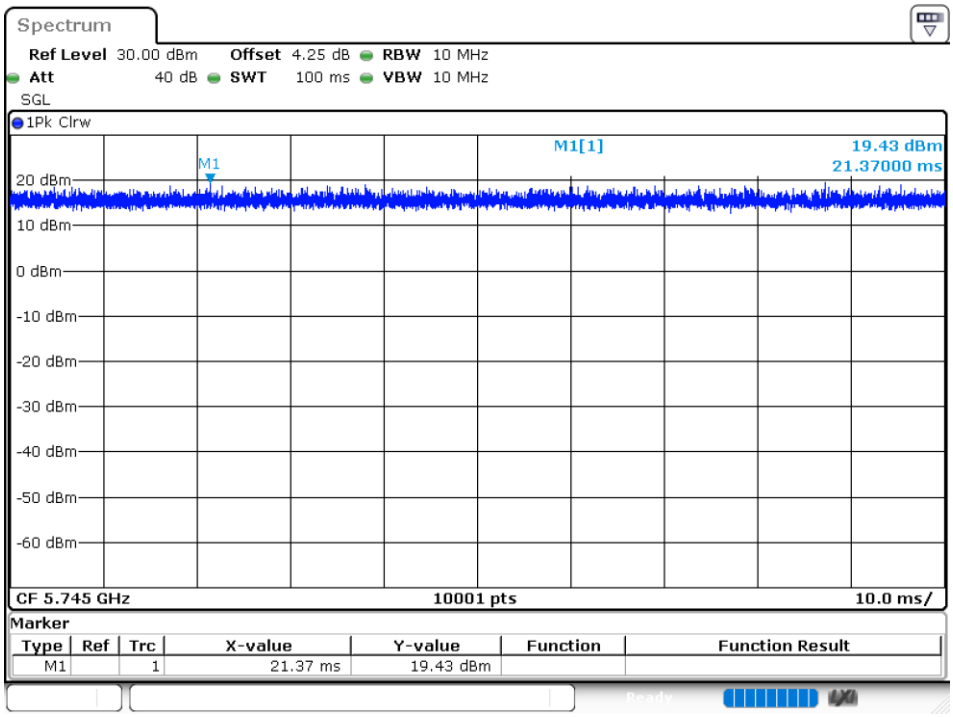
Duty Cycle NVNT ac40 5795MHz Sum



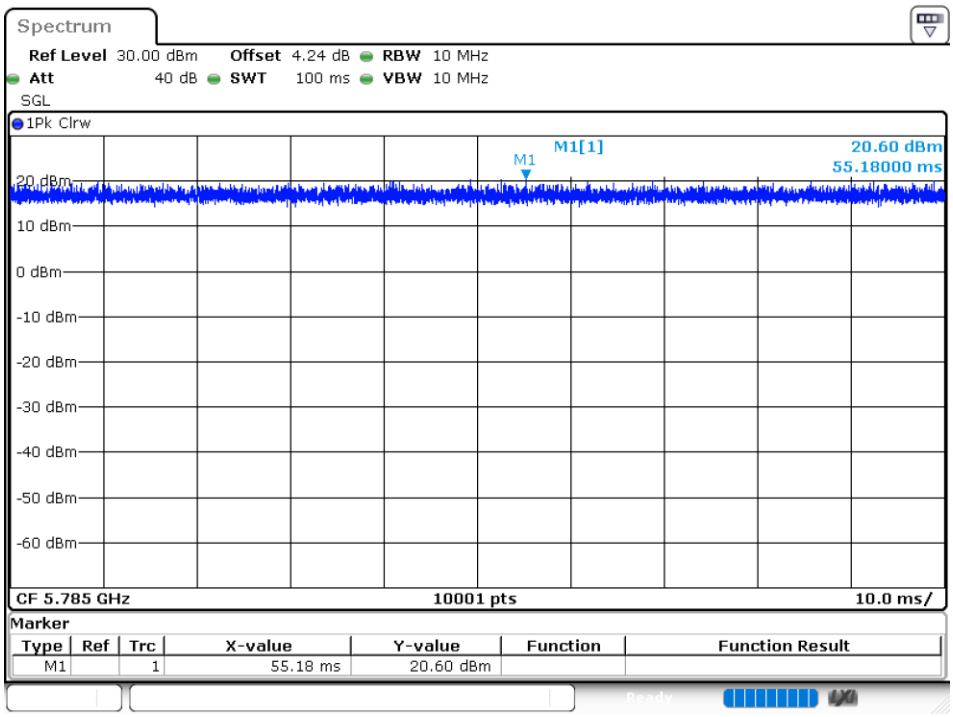
Duty Cycle NVNT ac80 5775MHz Sum



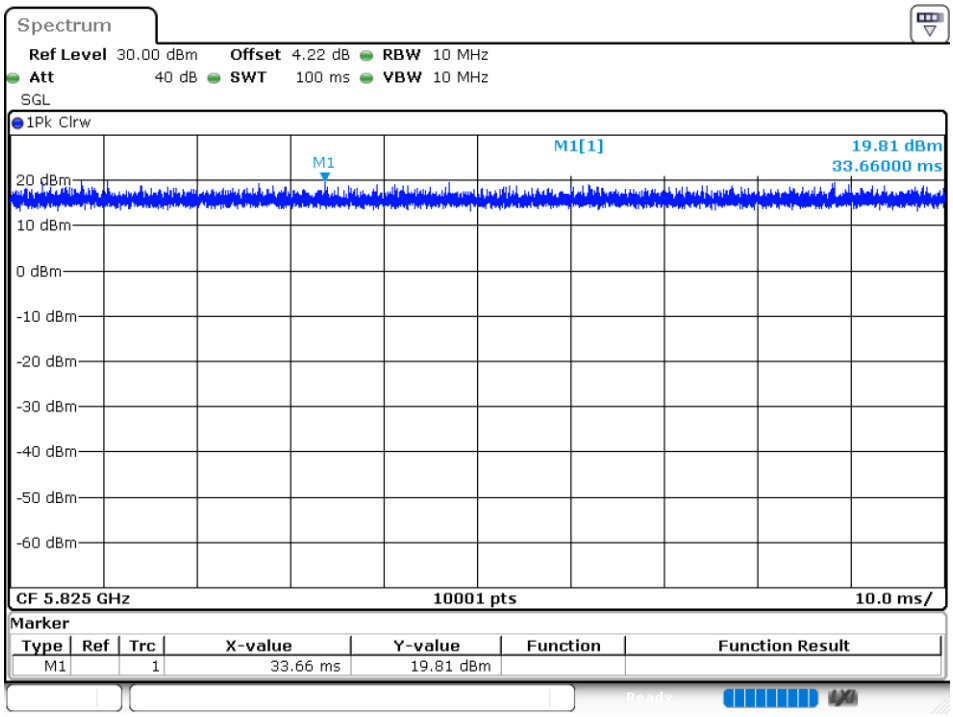
Duty Cycle NVNT ax20 5745MHz Sum



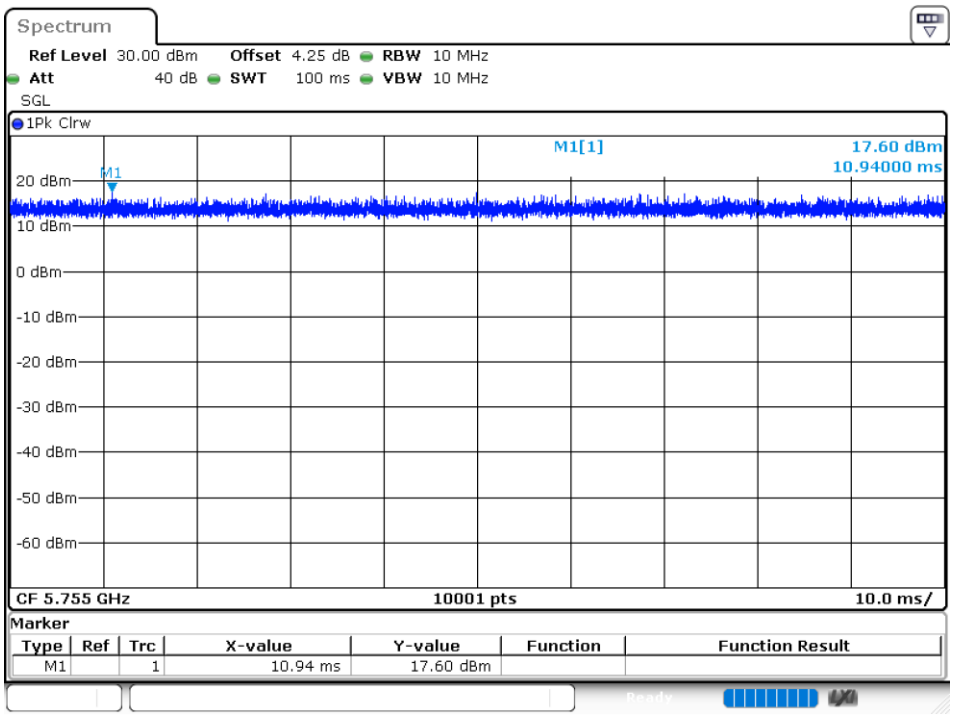
Duty Cycle NVNT ax20 5785MHz Sum



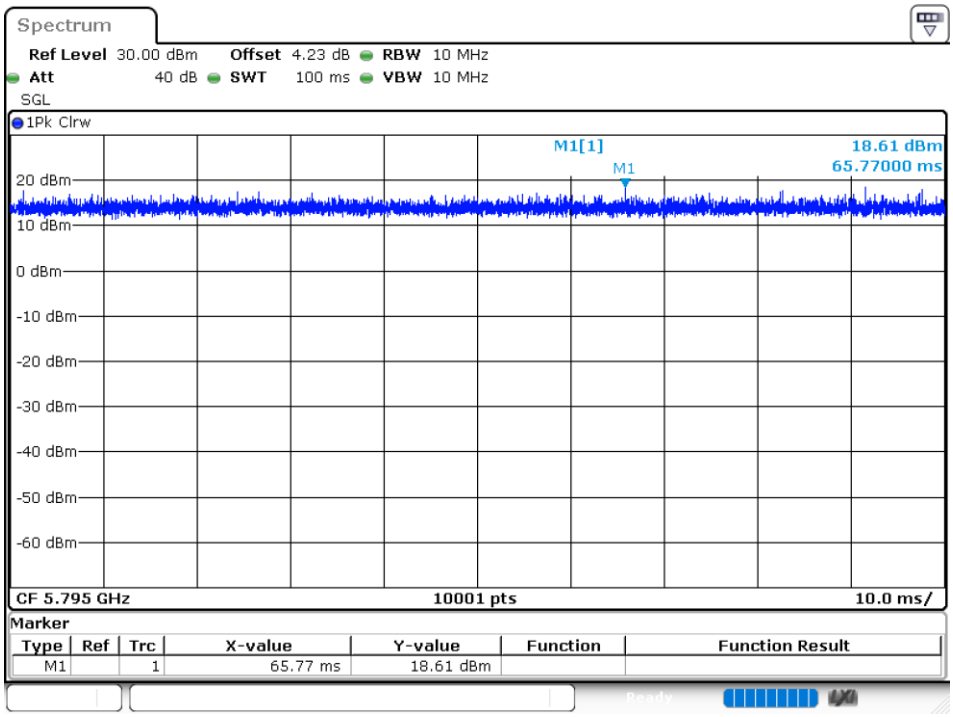
Duty Cycle NVNT ax20 5825MHz Sum



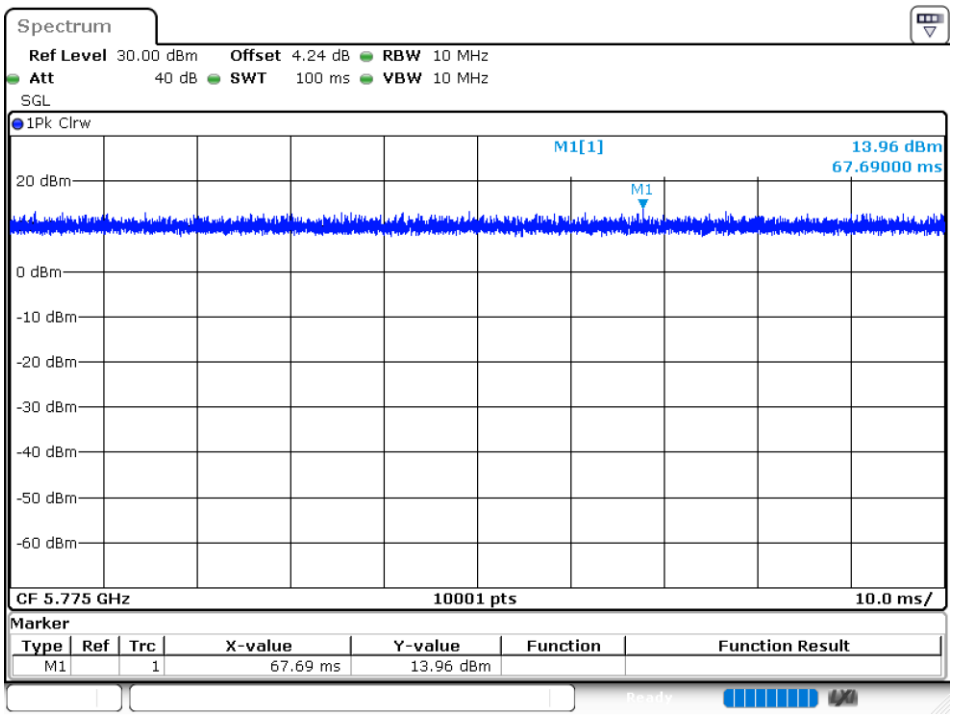
Duty Cycle NVNT ax40 5755MHz Sum



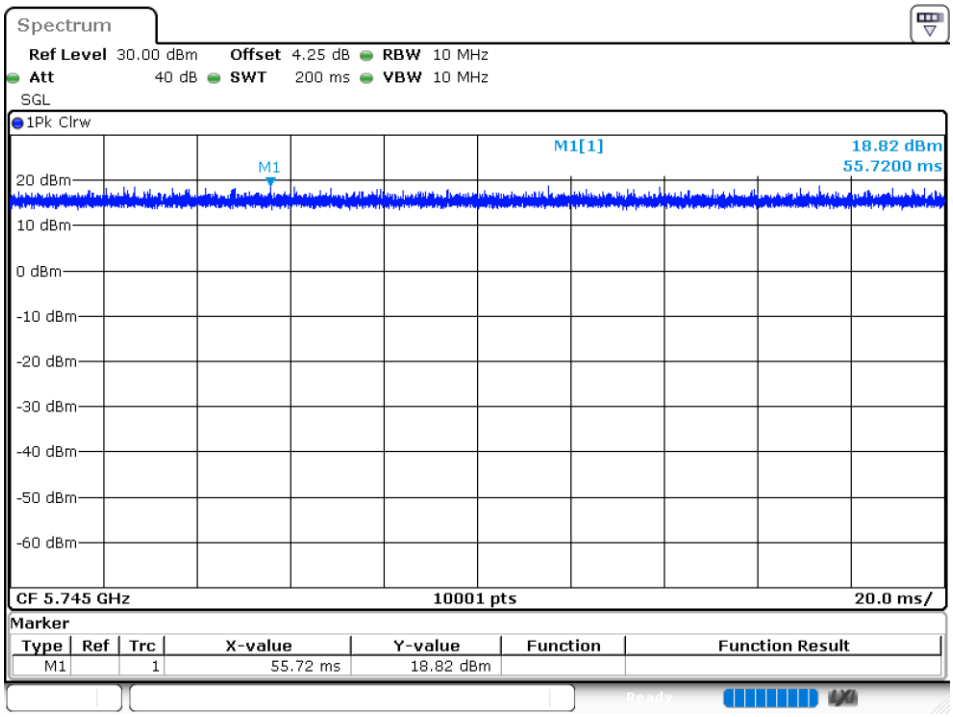
Duty Cycle NVNT ax40 5795MHz Sum



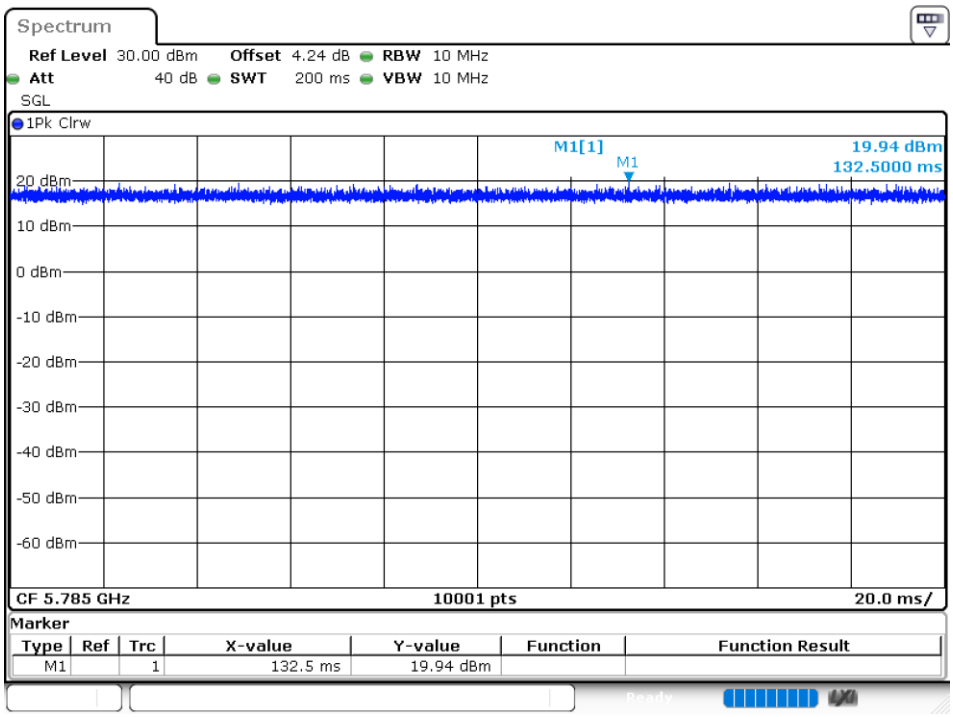
Duty Cycle NVNT ax80 5775MHz Sum



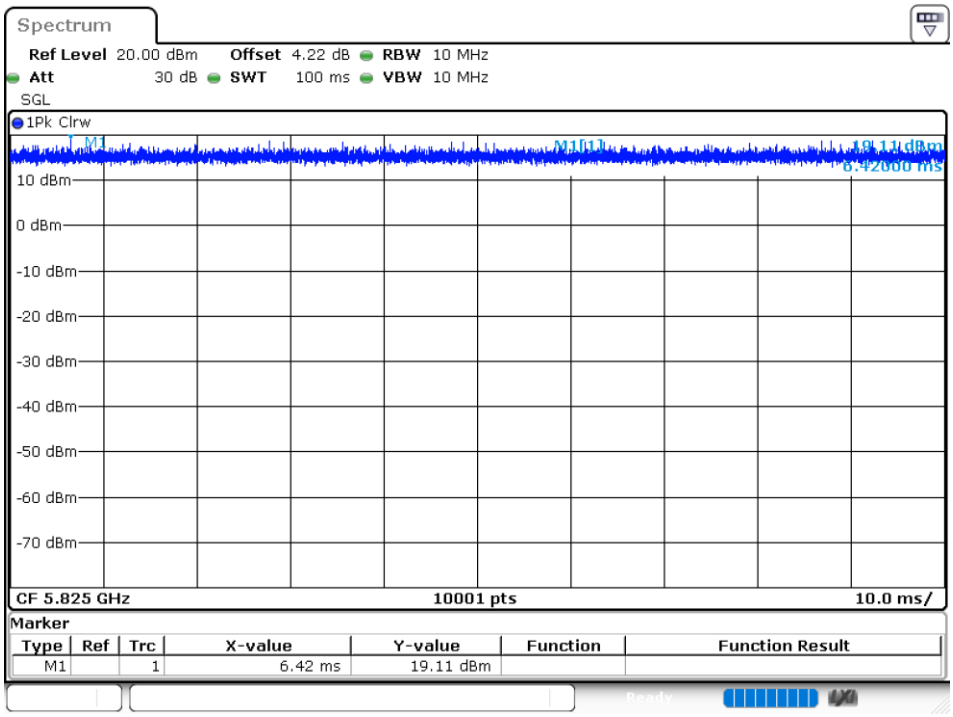
Duty Cycle NVNT n20 5745MHz Sum



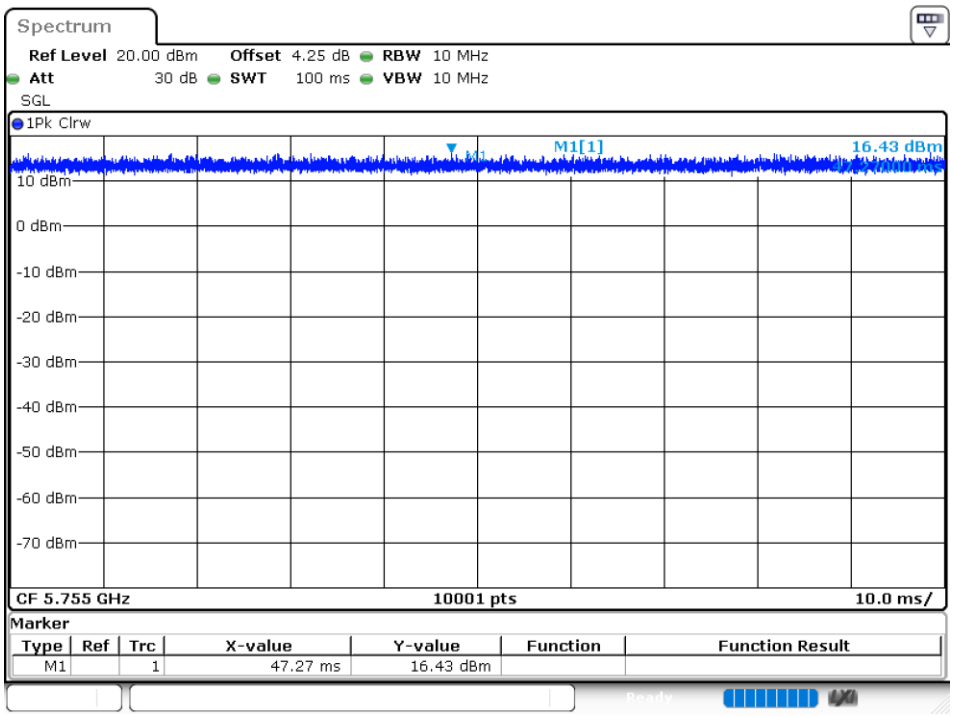
Duty Cycle NVNT n20 5785MHz Sum



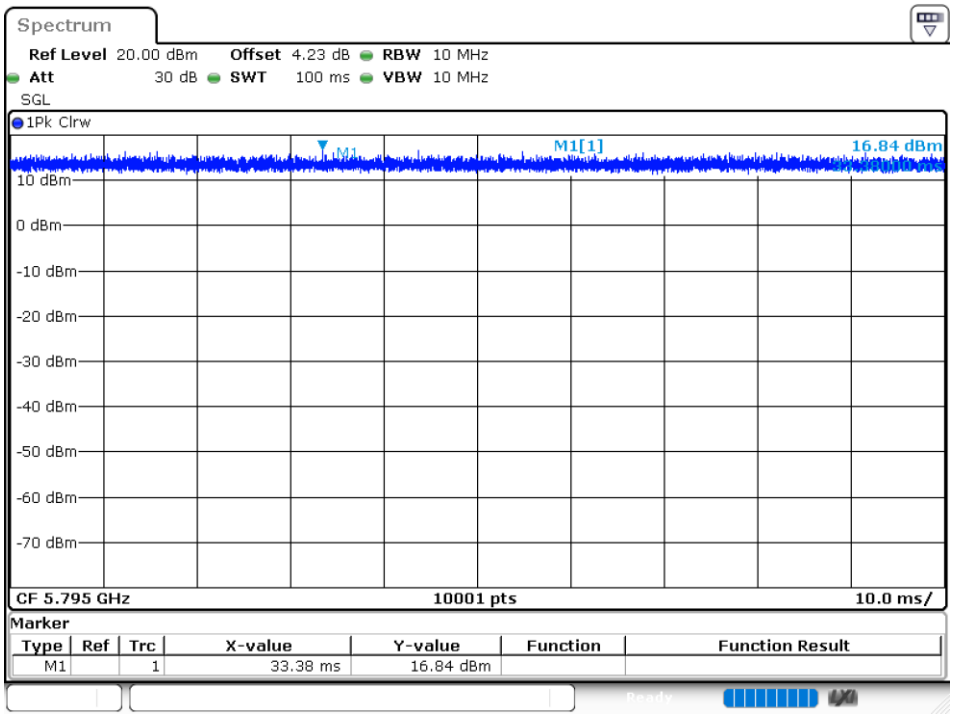
Duty Cycle NVNT n20 5825MHz Sum



Duty Cycle NVNT n40 5755MHz Sum



Duty Cycle NVNT n40 5795MHz Sum



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5745	Ant1	10.48	30	Pass
NVNT	ac20	5745	Ant2	10.13	30	Pass
NVNT	ac20	5745	Sum	13.32	30	Pass
NVNT	ac20	5785	Ant1	11.59	30	Pass
NVNT	ac20	5785	Ant2	10.09	30	Pass
NVNT	ac20	5785	Sum	13.91	30	Pass
NVNT	ac20	5825	Ant1	11.3	30	Pass
NVNT	ac20	5825	Ant2	10.67	30	Pass
NVNT	ac20	5825	Sum	14.01	30	Pass
NVNT	ac40	5755	Ant1	10.82	30	Pass
NVNT	ac40	5755	Ant2	9.9	30	Pass
NVNT	ac40	5755	Sum	13.39	30	Pass
NVNT	ac40	5795	Ant1	11.46	30	Pass
NVNT	ac40	5795	Ant2	10.03	30	Pass
NVNT	ac40	5795	Sum	13.81	30	Pass
NVNT	ac80	5775	Ant1	10.78	30	Pass
NVNT	ac80	5775	Ant2	9.52	30	Pass
NVNT	ac80	5775	Sum	13.21	30	Pass
NVNT	ax20	5745	Ant1	10.79	30	Pass
NVNT	ax20	5745	Ant2	10.09	30	Pass
NVNT	ax20	5745	Sum	13.46	30	Pass
NVNT	ax20	5785	Ant1	11.72	30	Pass
NVNT	ax20	5785	Ant2	10.08	30	Pass
NVNT	ax20	5785	Sum	13.99	30	Pass
NVNT	ax20	5825	Ant1	11.3	30	Pass
NVNT	ax20	5825	Ant2	10.79	30	Pass
NVNT	ax20	5825	Sum	14.06	30	Pass
NVNT	ax40	5755	Ant1	11.07	30	Pass
NVNT	ax40	5755	Ant2	9.93	30	Pass
NVNT	ax40	5755	Sum	13.55	30	Pass
NVNT	ax40	5795	Ant1	11.63	30	Pass
NVNT	ax40	5795	Ant2	10.13	30	Pass
NVNT	ax40	5795	Sum	13.95	30	Pass
NVNT	ax80	5775	Ant1	10.87	30	Pass
NVNT	ax80	5775	Ant2	9.61	30	Pass
NVNT	ax80	5775	Sum	13.3	30	Pass
NVNT	n20	5745	Ant1	10.4	30	Pass
NVNT	n20	5745	Ant2	10.1	30	Pass
NVNT	n20	5745	Sum	13.26	30	Pass
NVNT	n20	5785	Ant1	11.5	30	Pass

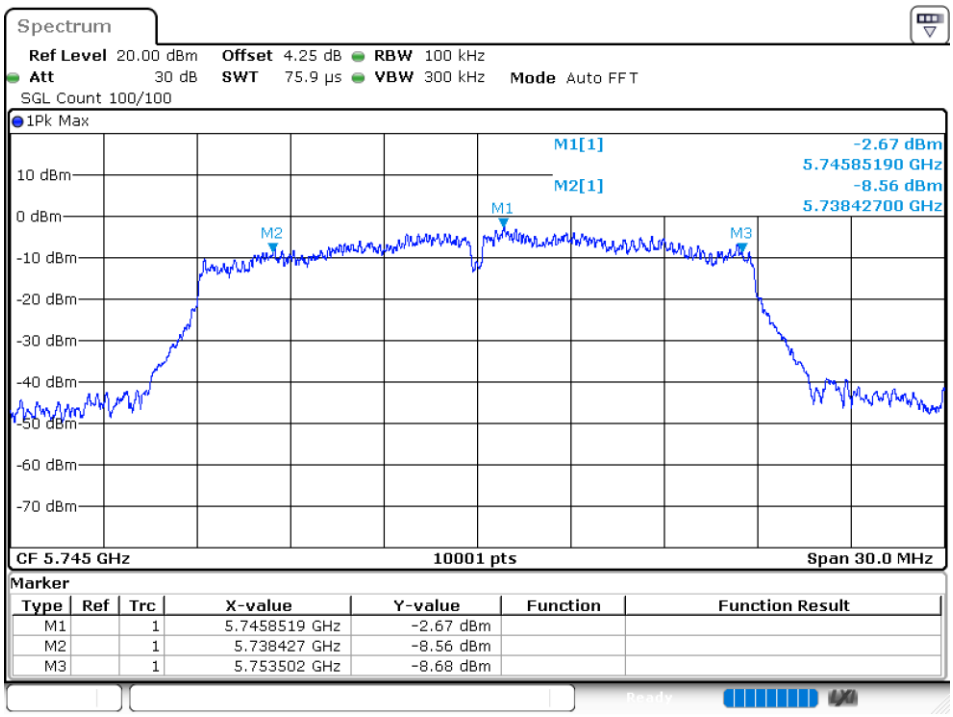
NVNT	n20	5785	Ant2	10	30	Pass
NVNT	n20	5785	Sum	13.82	30	Pass
NVNT	n20	5825	Ant1	11.22	30	Pass
NVNT	n20	5825	Ant2	10.76	30	Pass
NVNT	n20	5825	Sum	14.01	30	Pass
NVNT	n40	5755	Ant1	10.9	30	Pass
NVNT	n40	5755	Ant2	9.88	30	Pass
NVNT	n40	5755	Sum	13.43	30	Pass
NVNT	n40	5795	Ant1	11.63	30	Pass
NVNT	n40	5795	Ant2	10.08	30	Pass
NVNT	n40	5795	Sum	13.93	30	Pass

-6dB Bandwidth

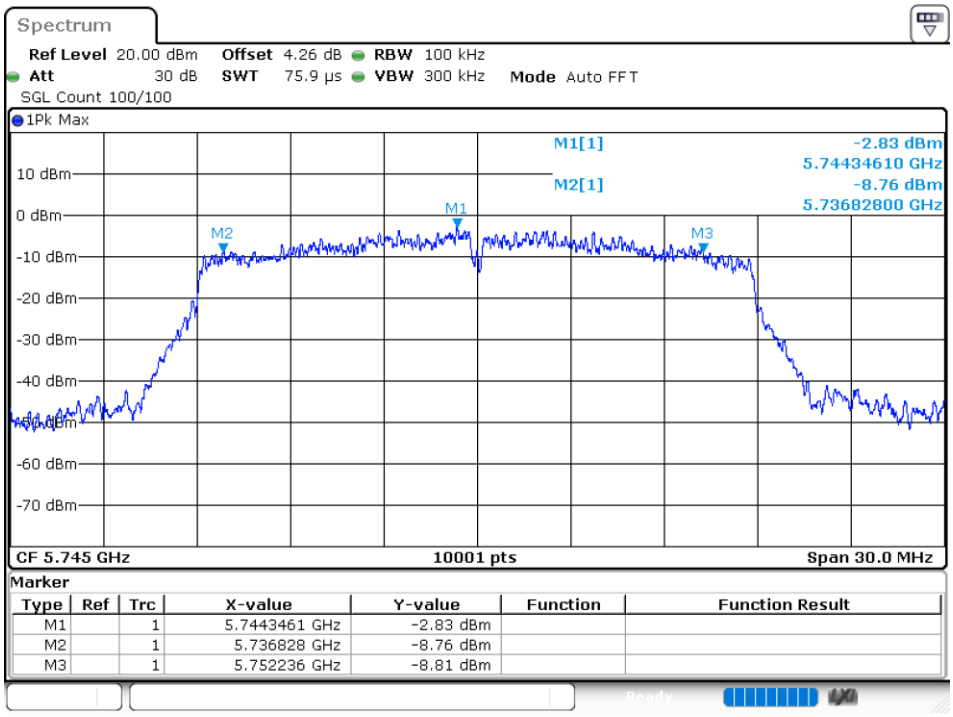
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	ac20	5745	Ant1	15.075	0.5	Pass
NVNT	ac20	5745	Ant2	15.408	0.5	Pass
NVNT	ac20	5785	Ant1	15.645	0.5	Pass
NVNT	ac20	5785	Ant2	14.049	0.5	Pass
NVNT	ac20	5825	Ant1	16.92	0.5	Pass
NVNT	ac20	5825	Ant2	16.296	0.5	Pass
NVNT	ac40	5755	Ant1	31.044	0.5	Pass
NVNT	ac40	5755	Ant2	33.792	0.5	Pass
NVNT	ac40	5795	Ant1	36.276	0.5	Pass
NVNT	ac40	5795	Ant2	36.294	0.5	Pass
NVNT	ac80	5775	Ant1	76.152	0.5	Pass
NVNT	ac80	5775	Ant2	76.368	0.5	Pass
NVNT	ax20	5745	Ant1	17.706	0.5	Pass
NVNT	ax20	5745	Ant2	17.838	0.5	Pass
NVNT	ax20	5785	Ant1	18.552	0.5	Pass
NVNT	ax20	5785	Ant2	17.883	0.5	Pass
NVNT	ax20	5825	Ant1	18.282	0.5	Pass
NVNT	ax20	5825	Ant2	18.429	0.5	Pass
NVNT	ax40	5755	Ant1	33.834	0.5	Pass
NVNT	ax40	5755	Ant2	35.568	0.5	Pass
NVNT	ax40	5795	Ant1	36.942	0.5	Pass
NVNT	ax40	5795	Ant2	37.392	0.5	Pass
NVNT	ax80	5775	Ant1	77.04	0.5	Pass
NVNT	ax80	5775	Ant2	78.012	0.5	Pass
NVNT	n20	5745	Ant1	15.918	0.5	Pass
NVNT	n20	5745	Ant2	15.384	0.5	Pass
NVNT	n20	5785	Ant1	16.134	0.5	Pass
NVNT	n20	5785	Ant2	17.136	0.5	Pass
NVNT	n20	5825	Ant1	15.522	0.5	Pass
NVNT	n20	5825	Ant2	16.056	0.5	Pass
NVNT	n40	5755	Ant1	31.542	0.5	Pass
NVNT	n40	5755	Ant2	34.992	0.5	Pass
NVNT	n40	5795	Ant1	35.046	0.5	Pass
NVNT	n40	5795	Ant2	35.04	0.5	Pass

Test Graphs

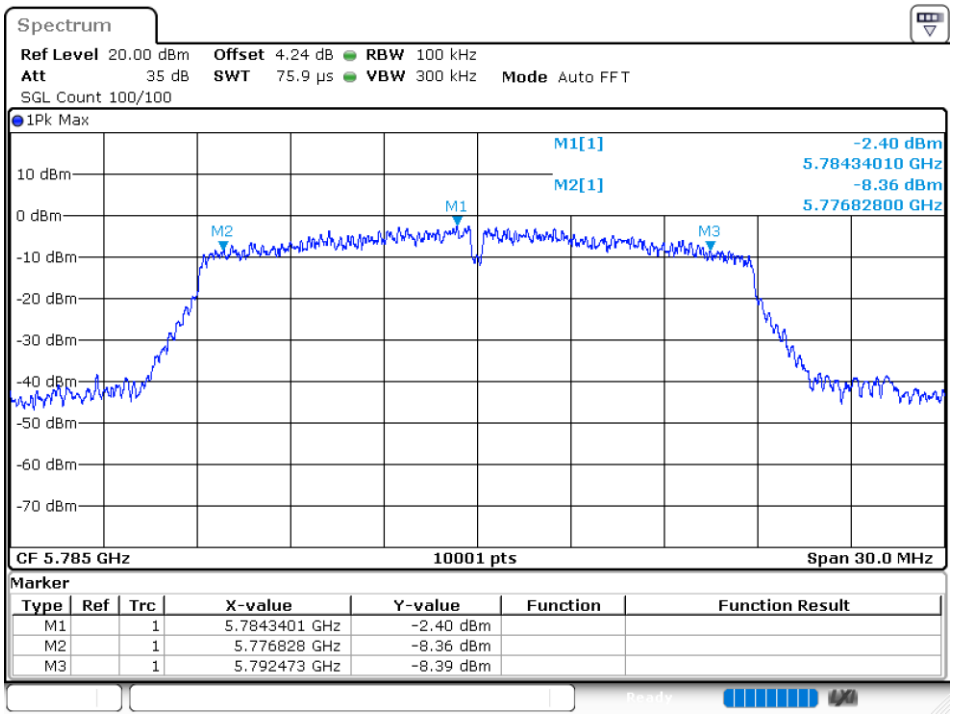
-6dB Bandwidth NVNT ac20 5745MHz Ant1



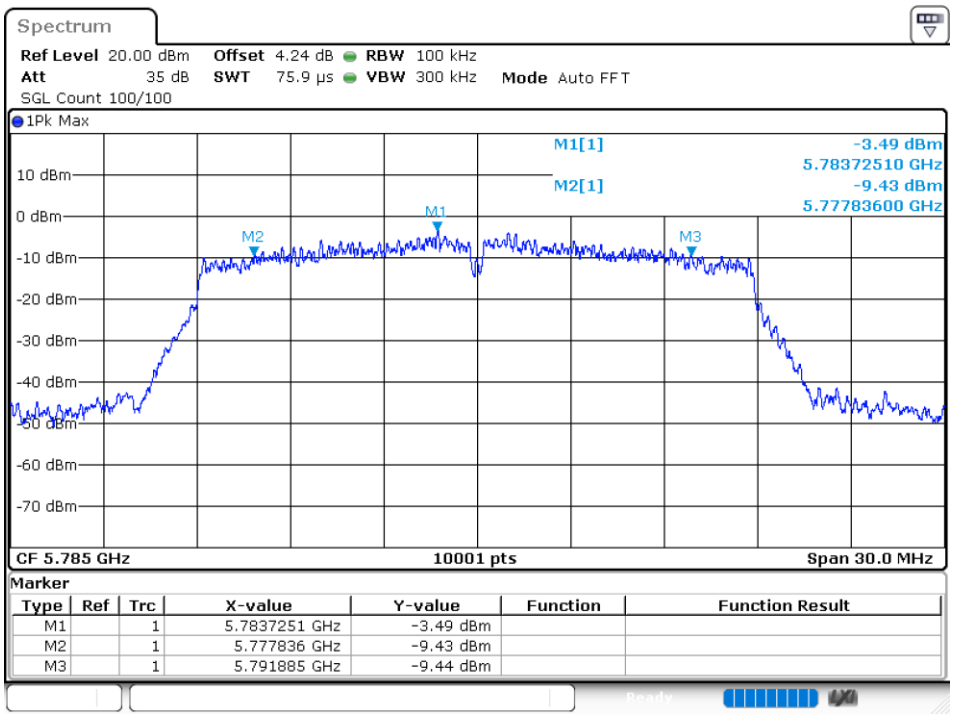
-6dB Bandwidth NVNT ac20 5745MHz Ant2



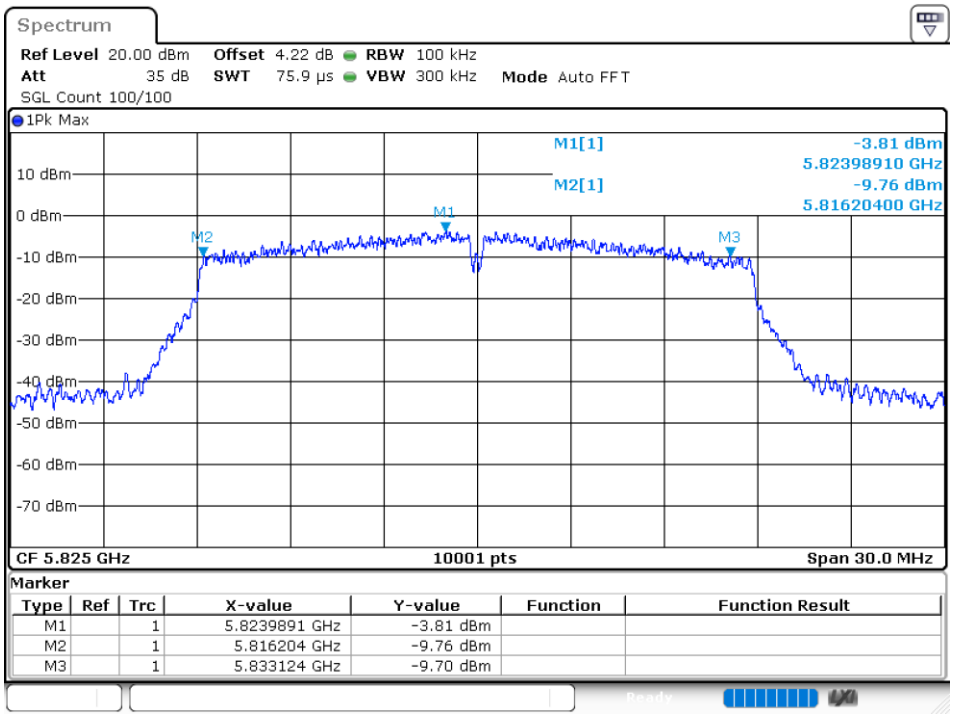
-6dB Bandwidth NVNT ac20 5785MHz Ant1



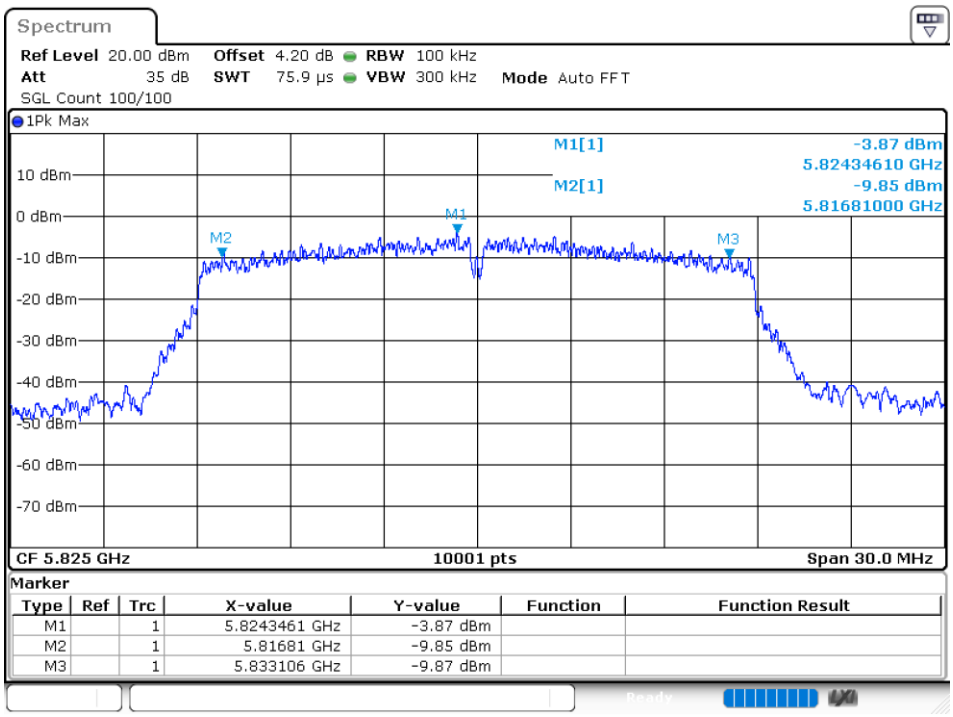
-6dB Bandwidth NVNT ac20 5785MHz Ant2



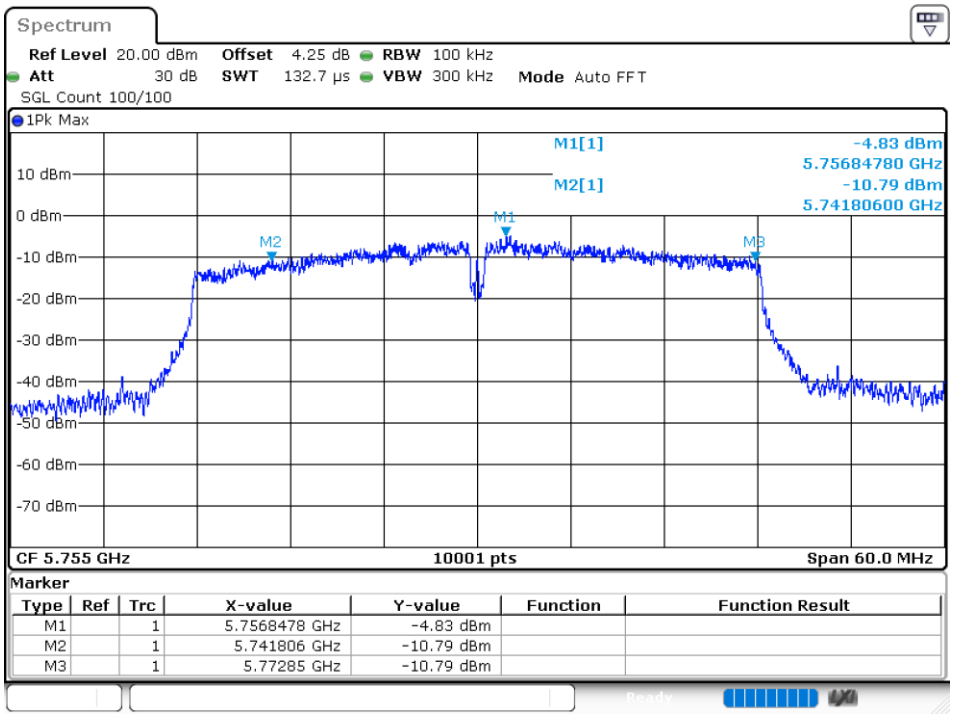
-6dB Bandwidth NVNT ac20 5825MHz Ant1



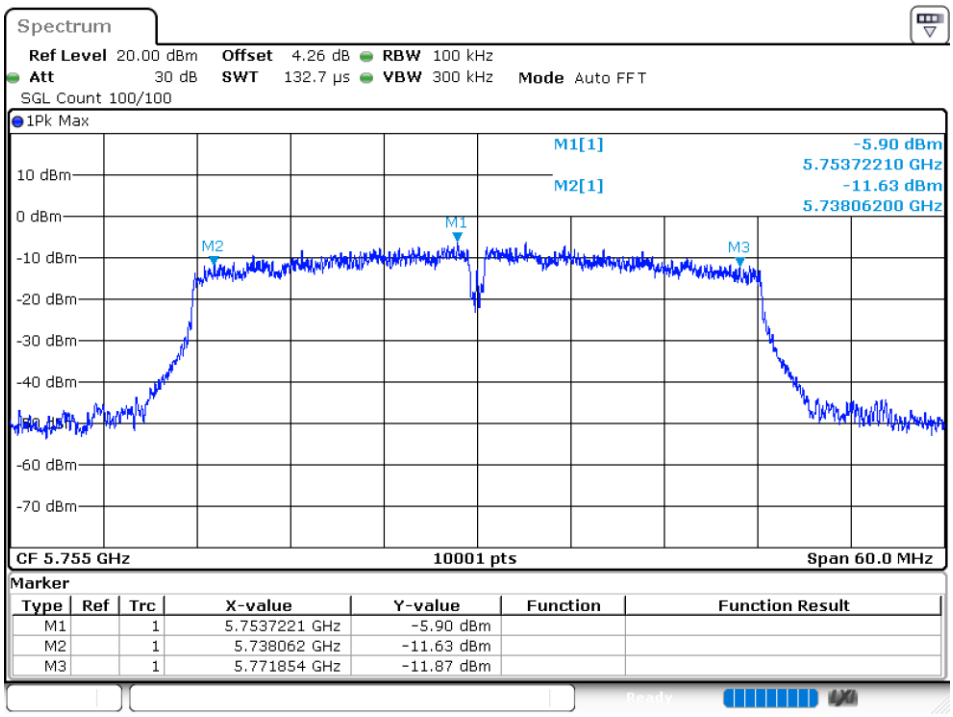
-6dB Bandwidth NVNT ac20 5825MHz Ant2



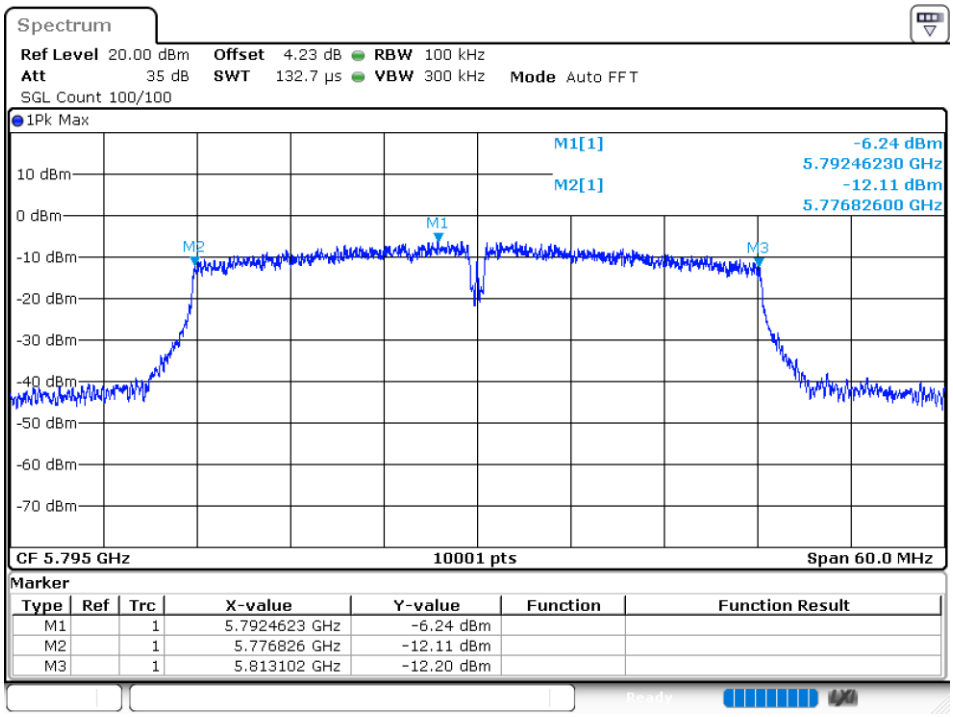
-6dB Bandwidth NVNT ac40 5755MHz Ant1



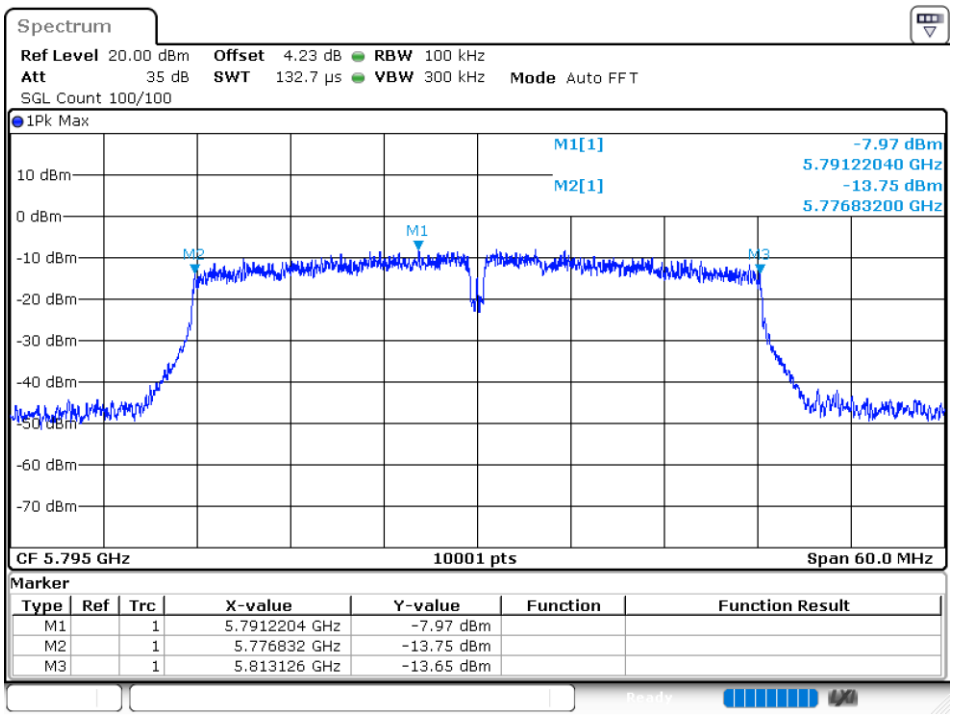
-6dB Bandwidth NVNT ac40 5755MHz Ant2



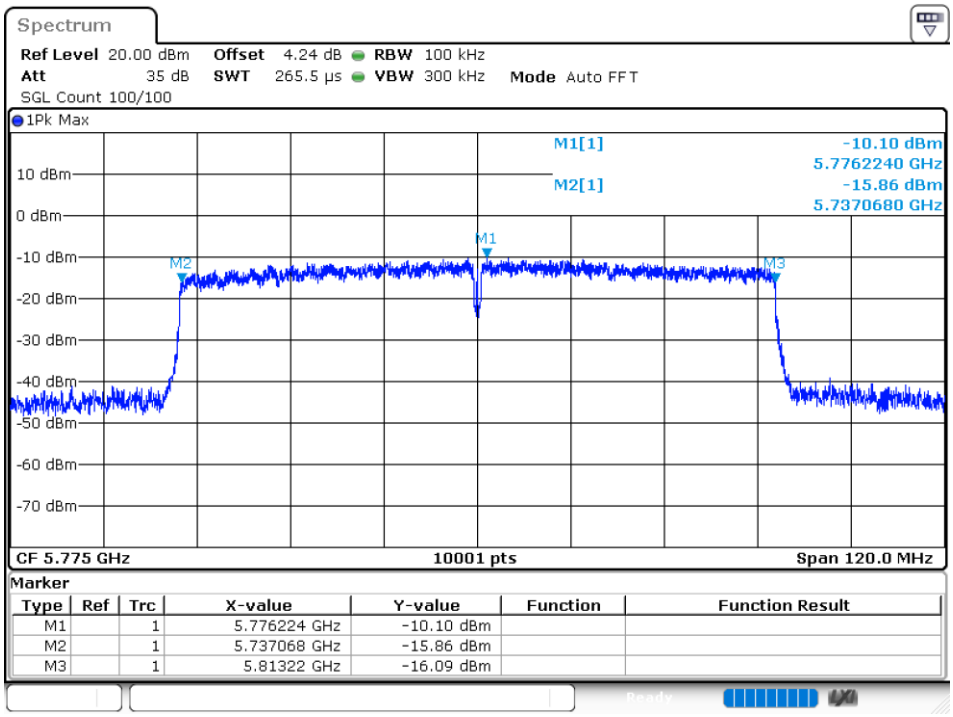
-6dB Bandwidth NVNT ac40 5795MHz Ant1



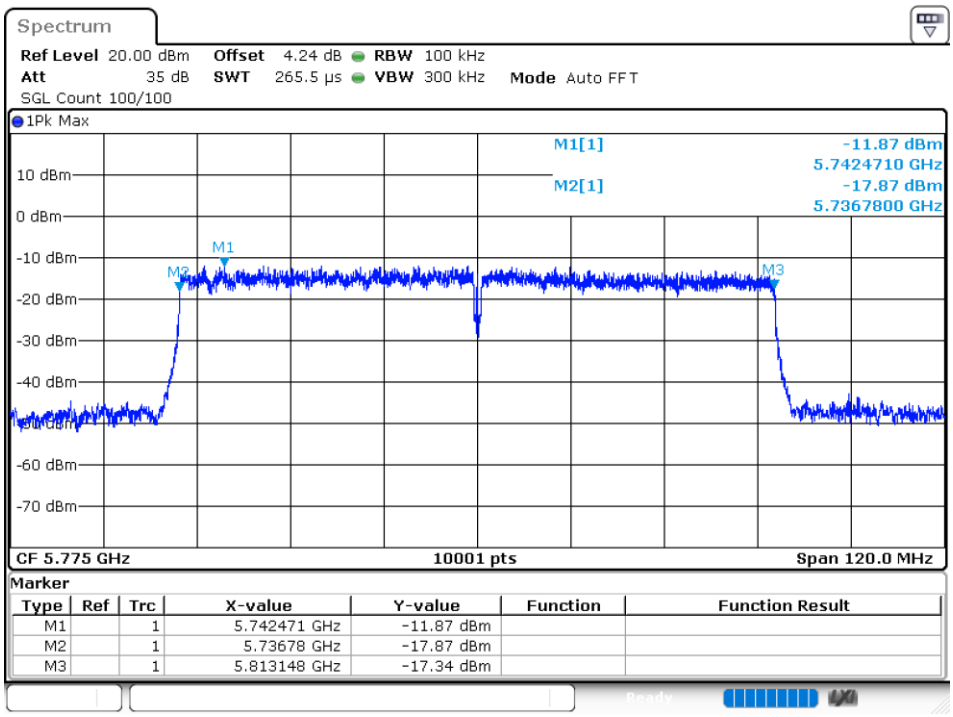
-6dB Bandwidth NVNT ac40 5795MHz Ant2



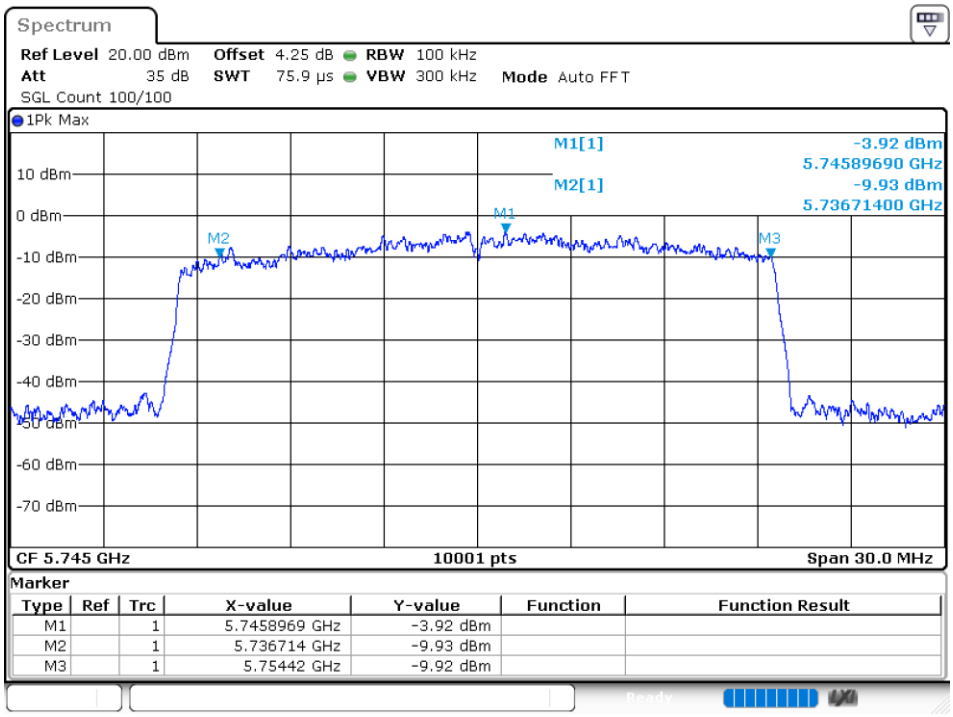
-6dB Bandwidth NVNT ac80 5775MHz Ant1



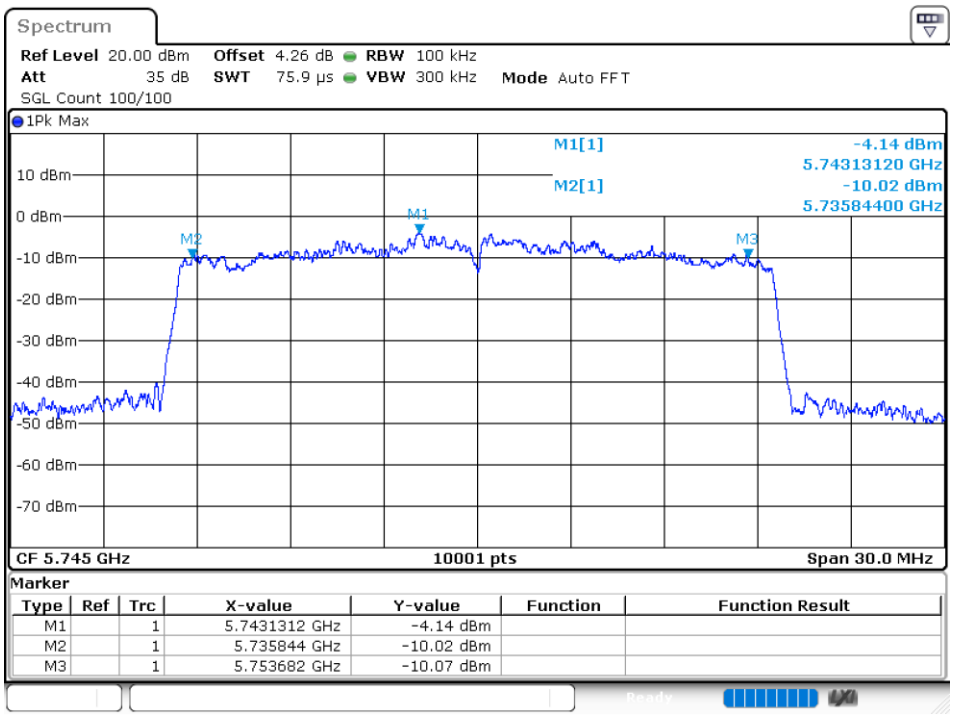
-6dB Bandwidth NVNT ac80 5775MHz Ant2



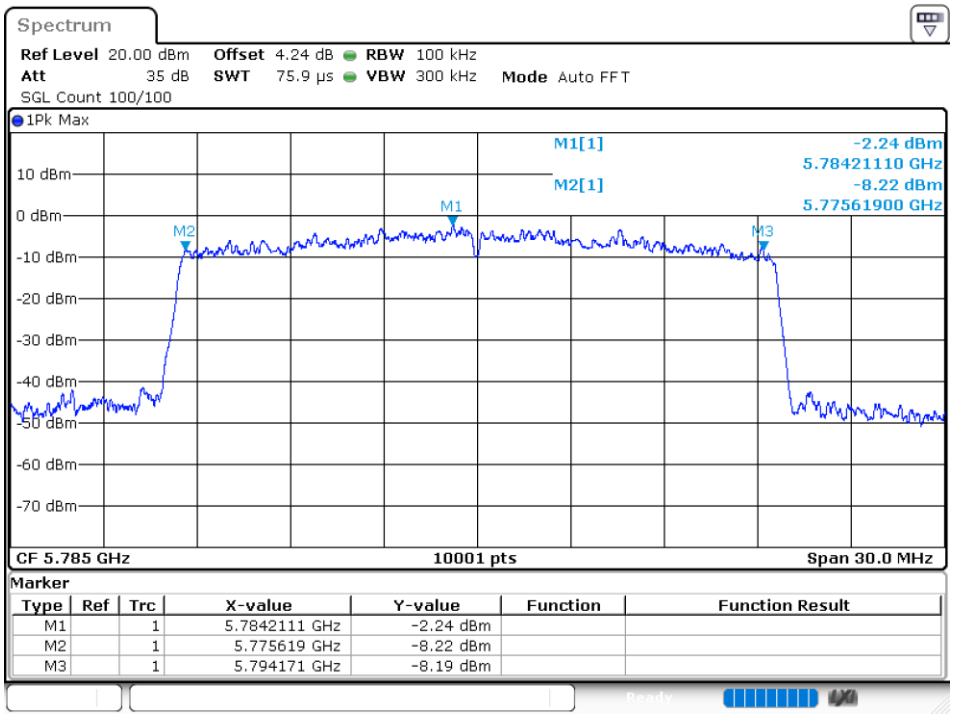
-6dB Bandwidth NVNT ax20 5745MHz Ant1



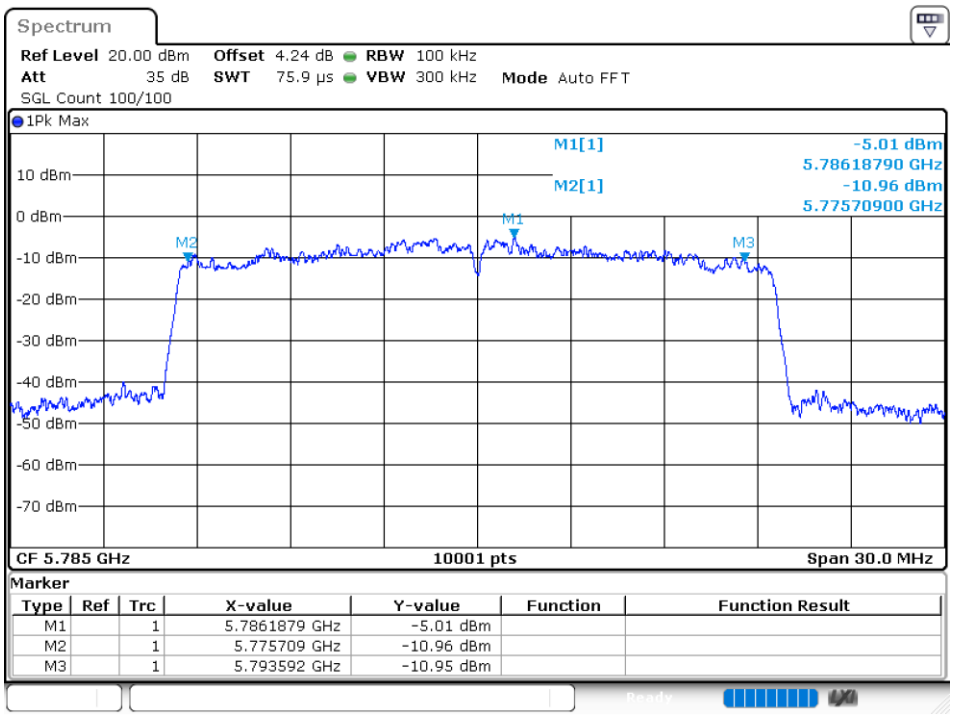
-6dB Bandwidth NVNT ax20 5745MHz Ant2



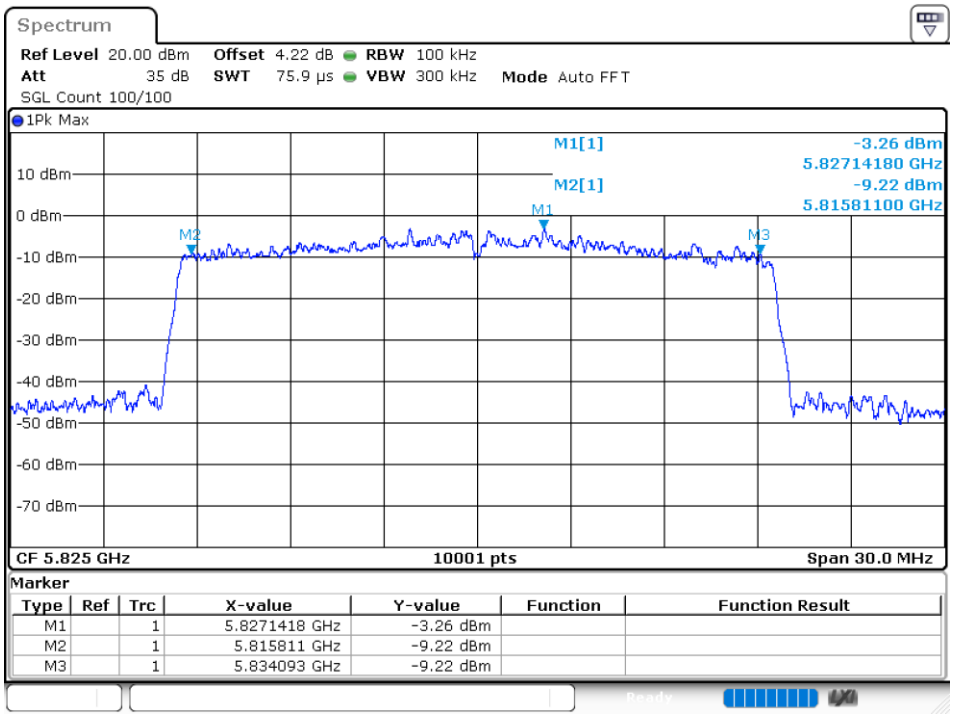
-6dB Bandwidth NVNT ax20 5785MHz Ant1



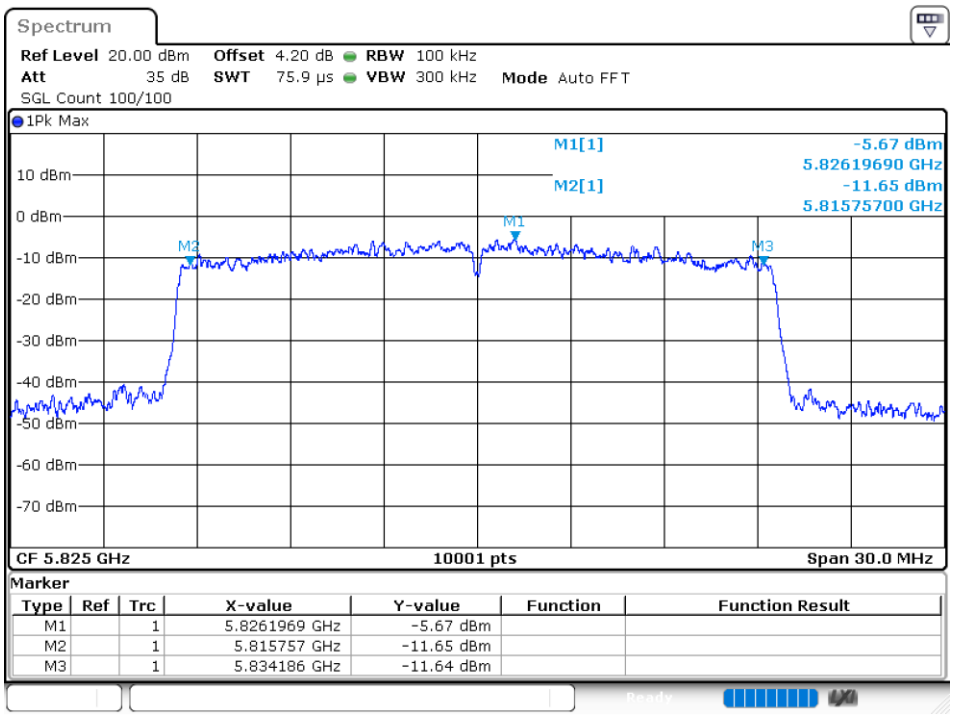
-6dB Bandwidth NVNT ax20 5785MHz Ant2



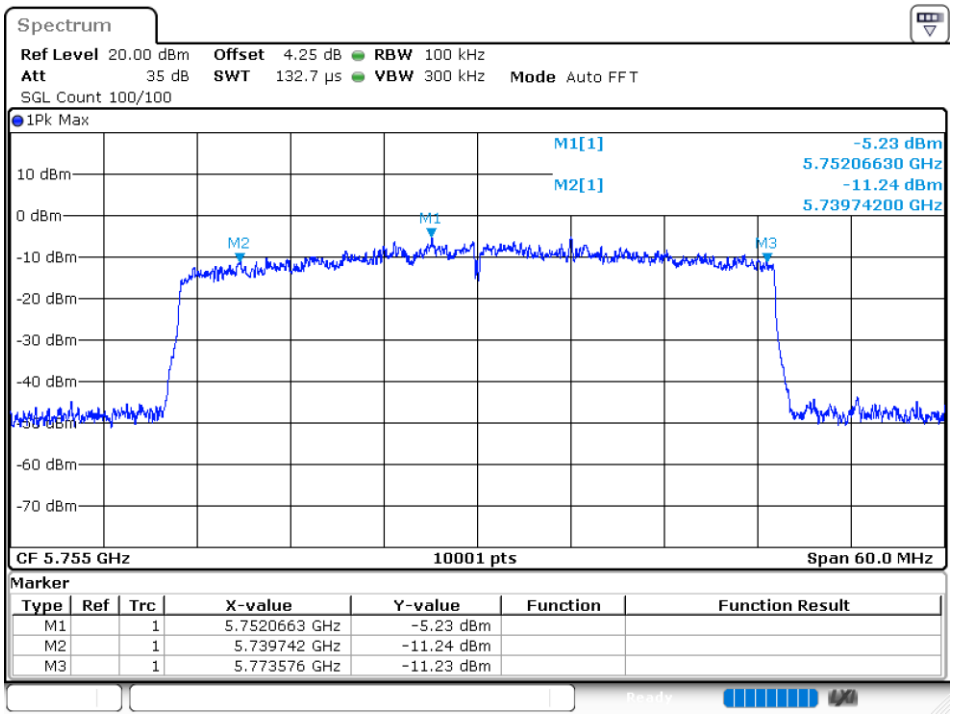
-6dB Bandwidth NVNT ax20 5825MHz Ant1



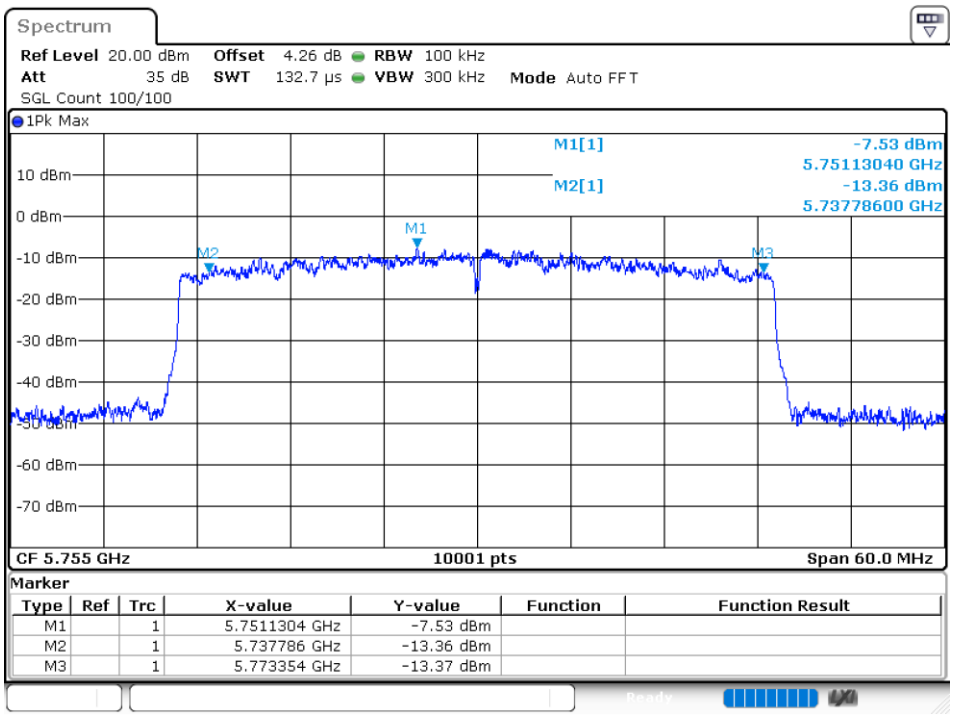
-6dB Bandwidth NVNT ax20 5825MHz Ant2



-6dB Bandwidth NVNT ax40 5755MHz Ant1



-6dB Bandwidth NVNT ax40 5755MHz Ant2



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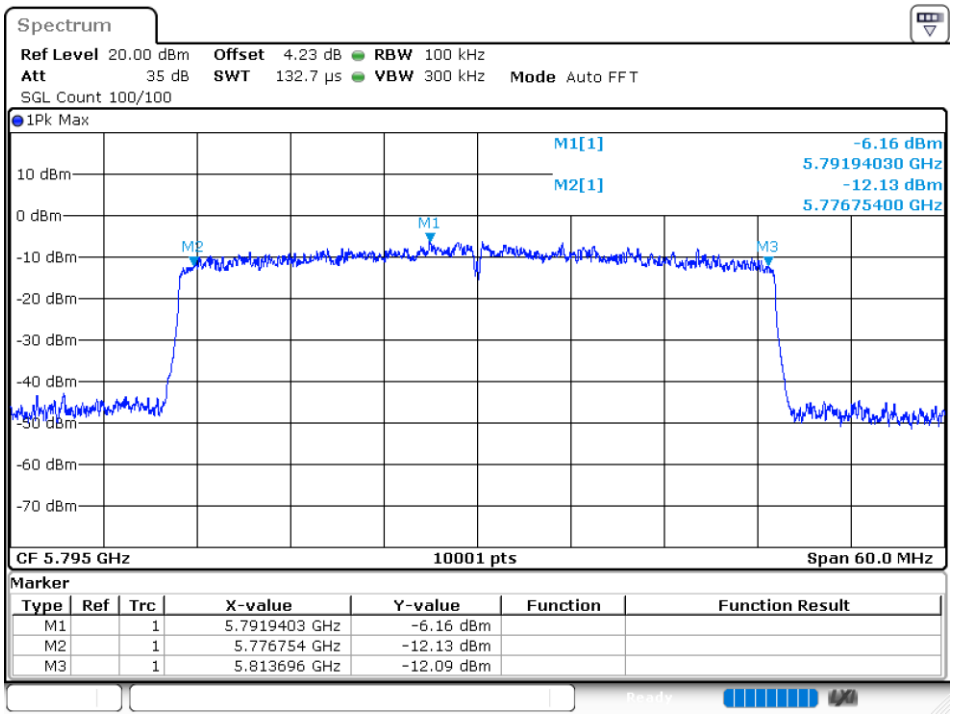

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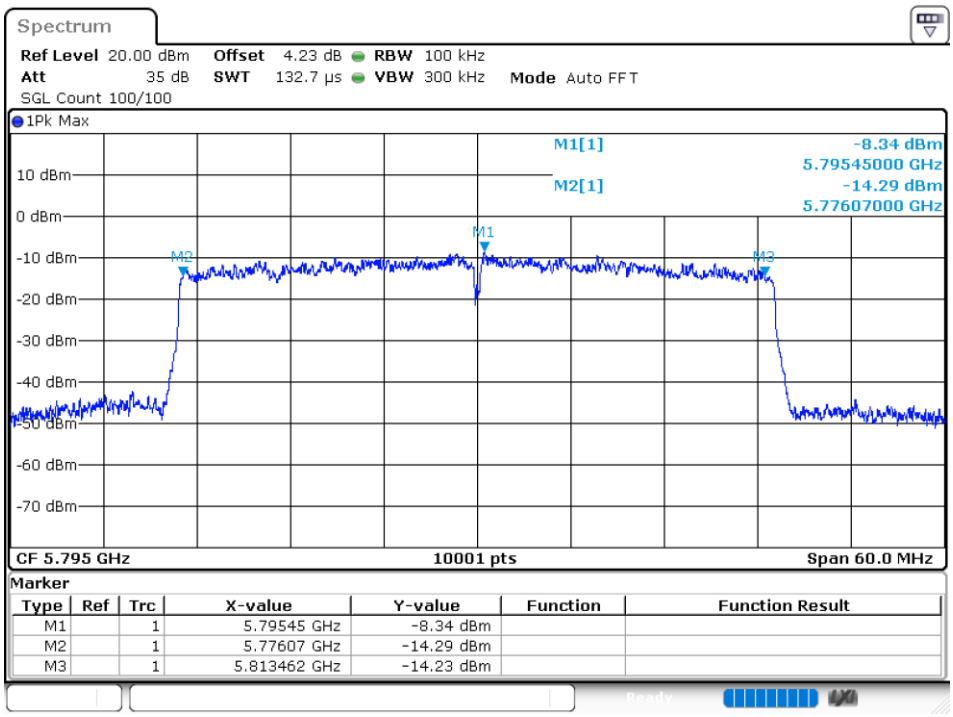

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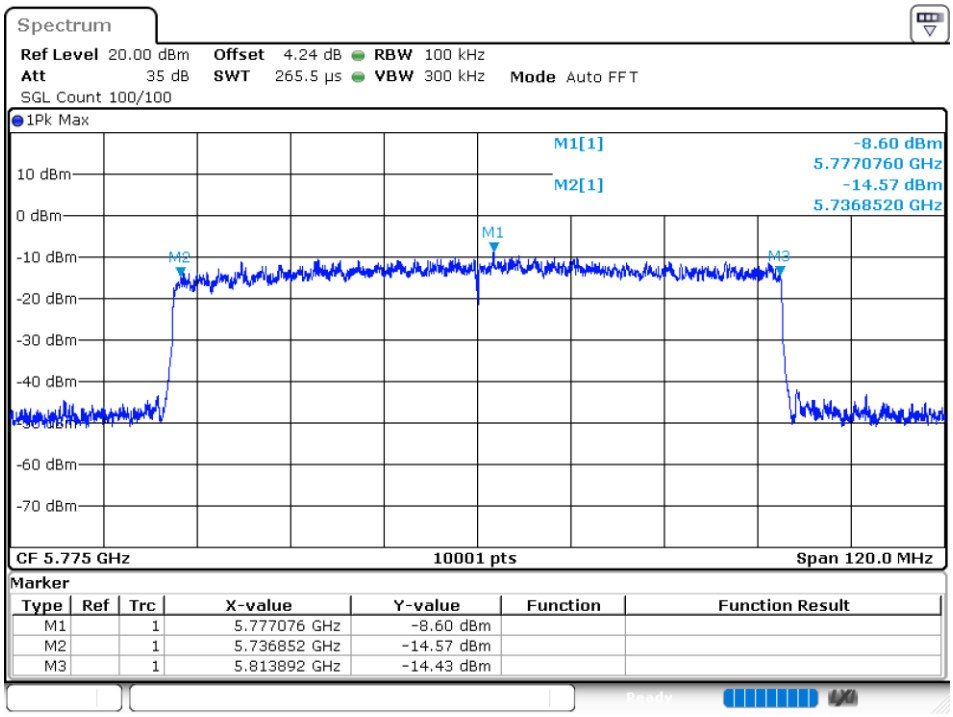
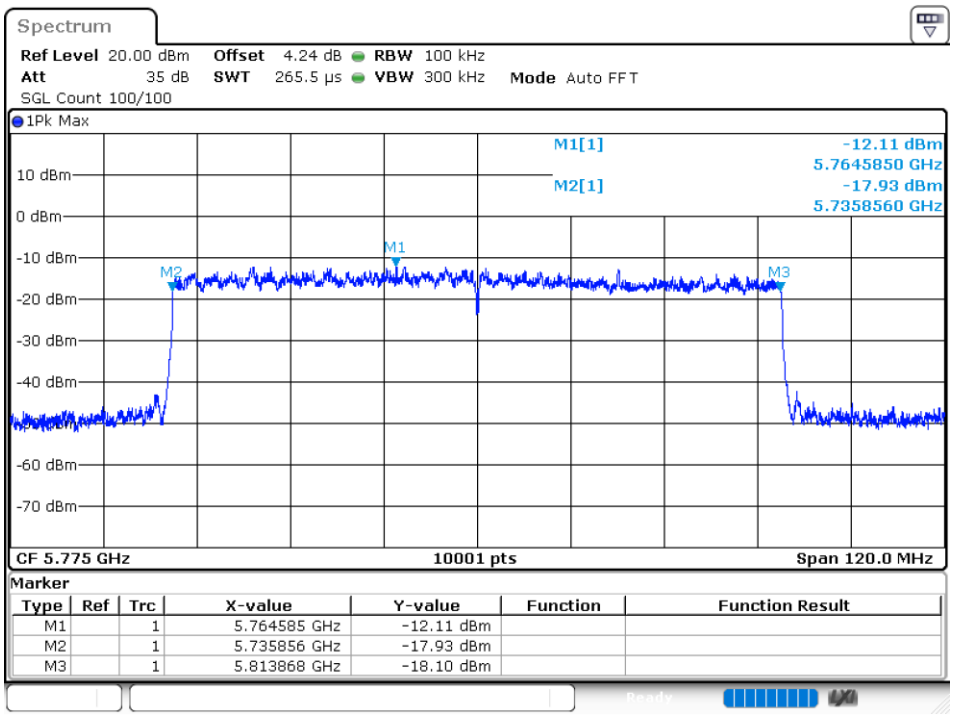


-6dB Bandwidth NVNT ax80 5775MHz Ant2



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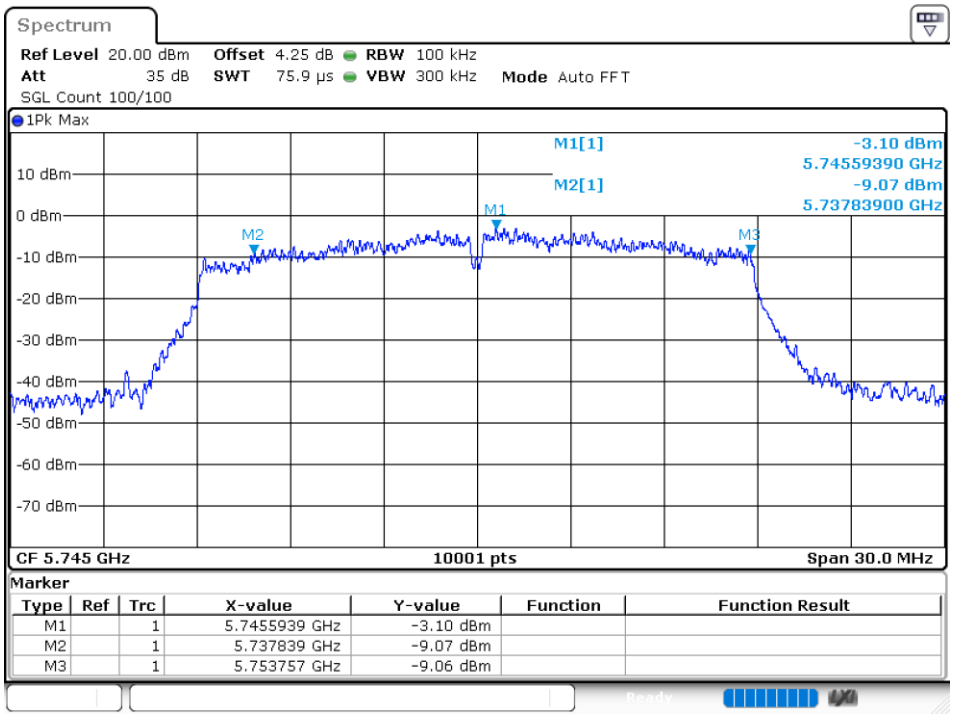
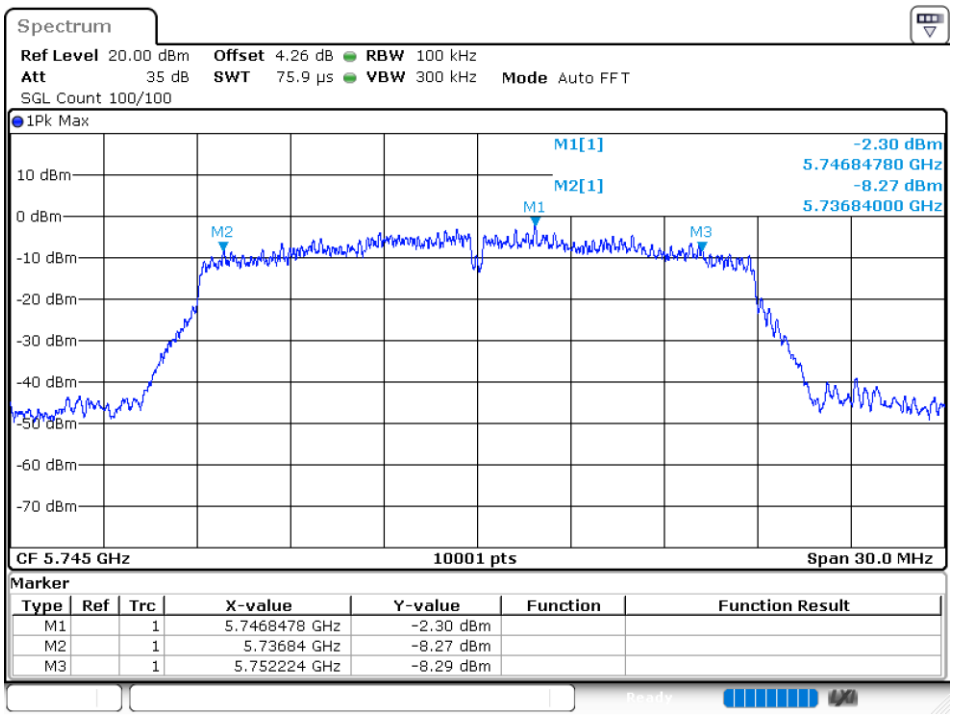
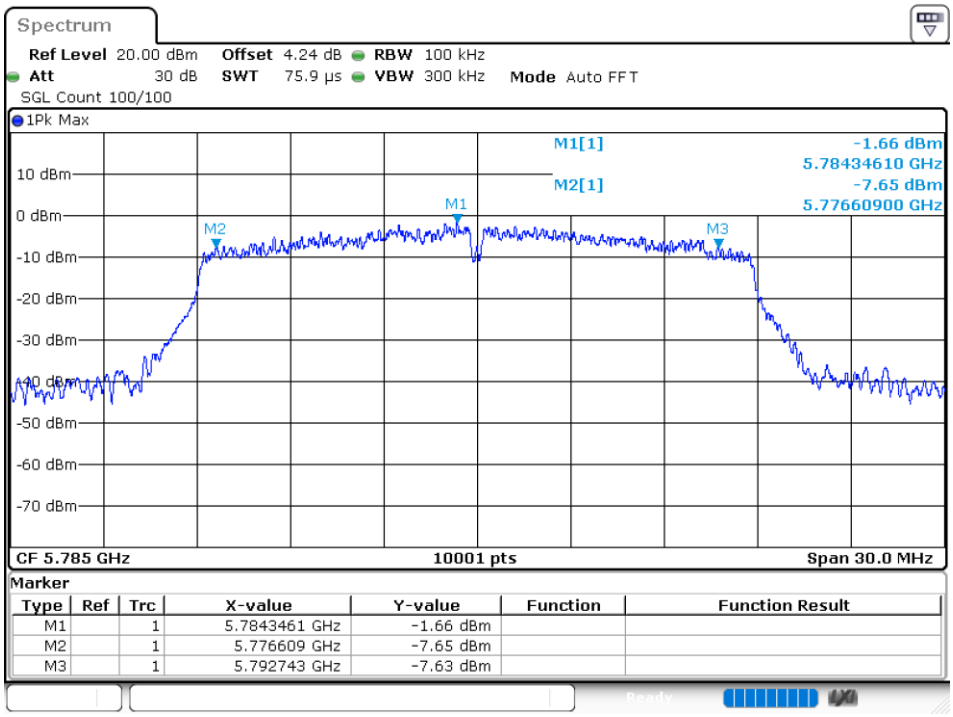


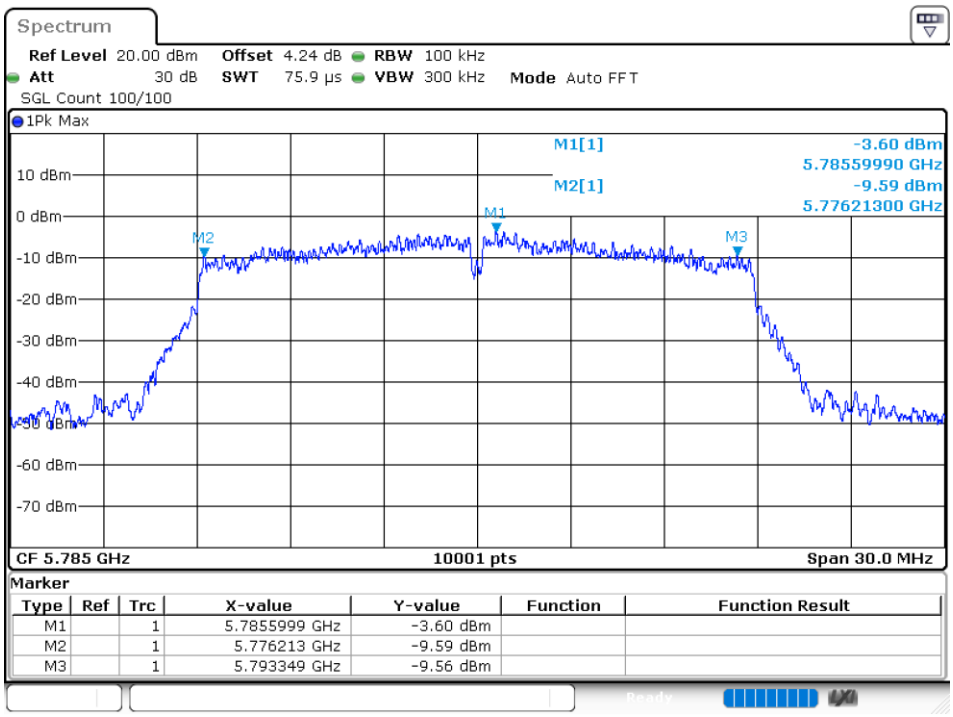
-6dB Bandwidth NVNT n20 5745MHz Ant2



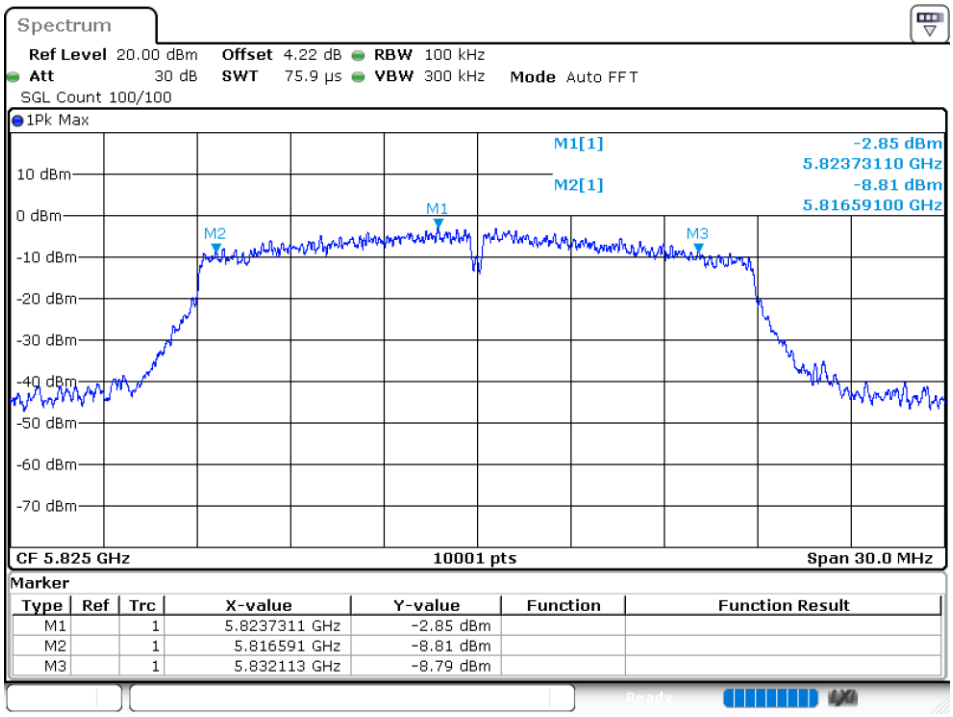
-6dB Bandwidth NVNT n20 5785MHz Ant1



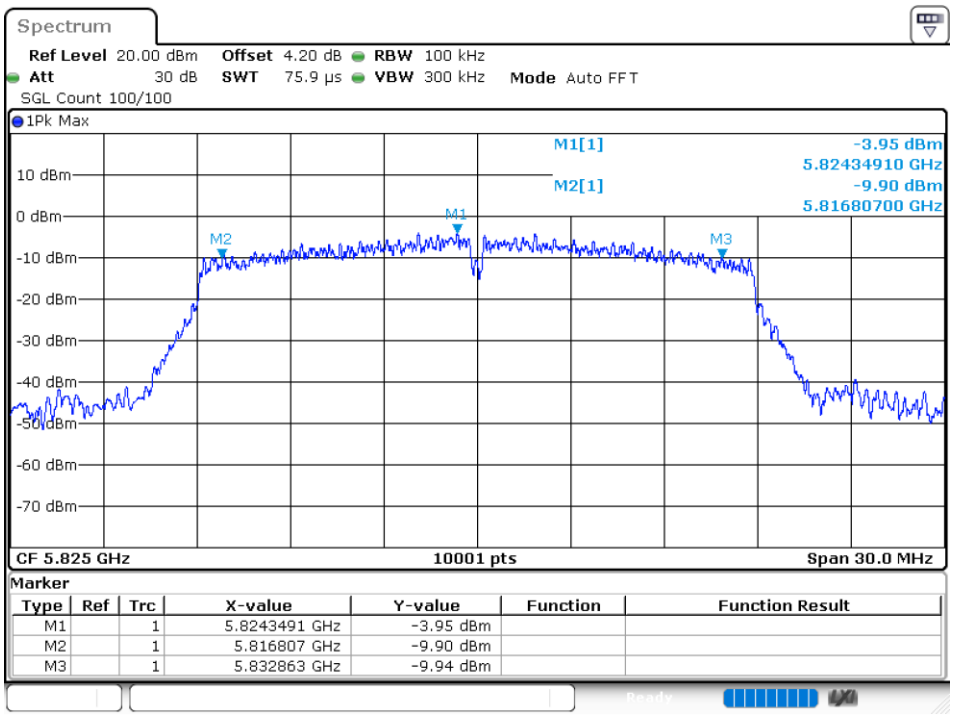
-6dB Bandwidth NVNT n20 5785MHz Ant2



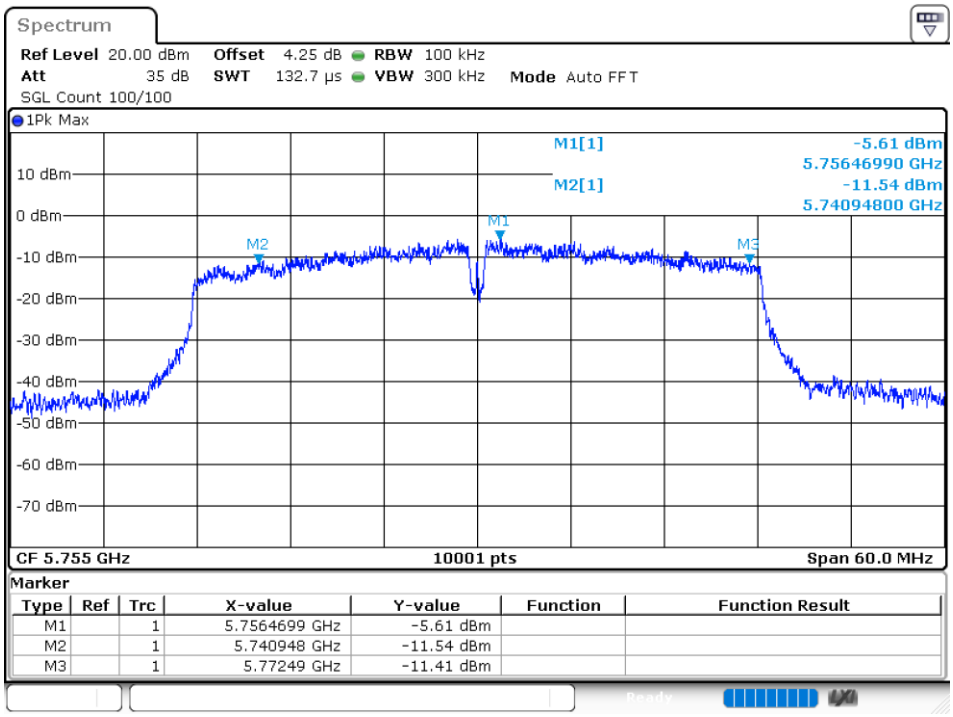
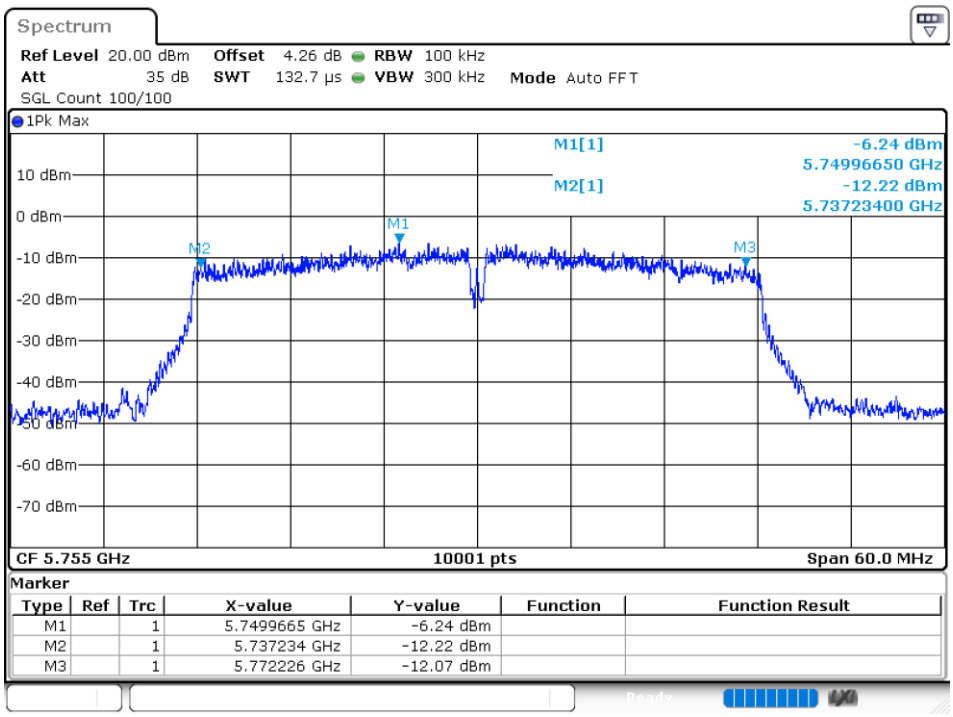
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n20 5825MHz Ant2



-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant2