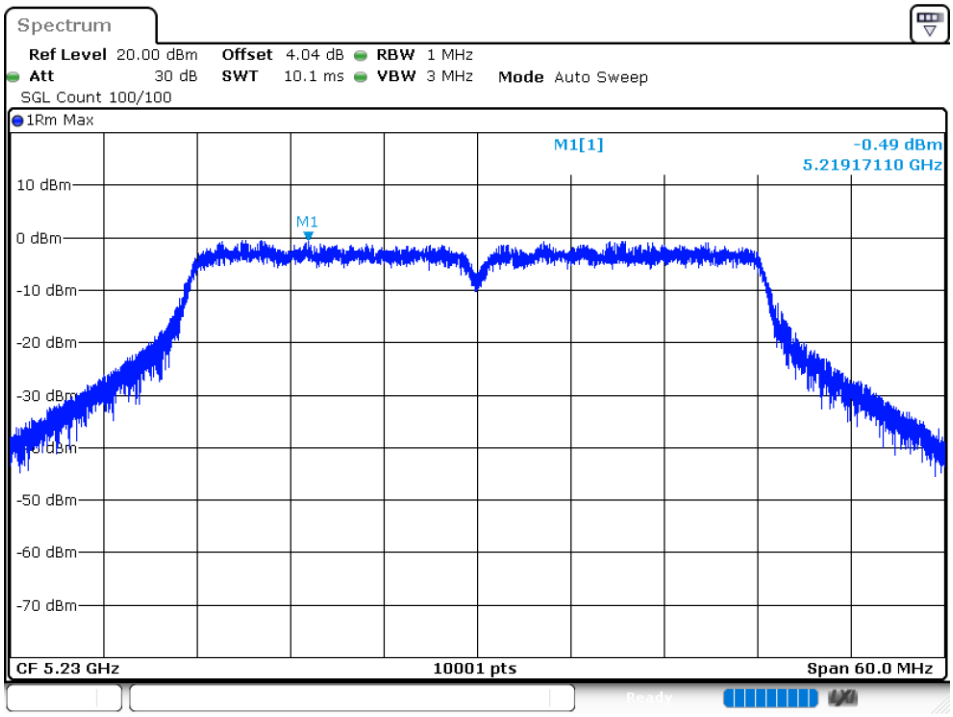
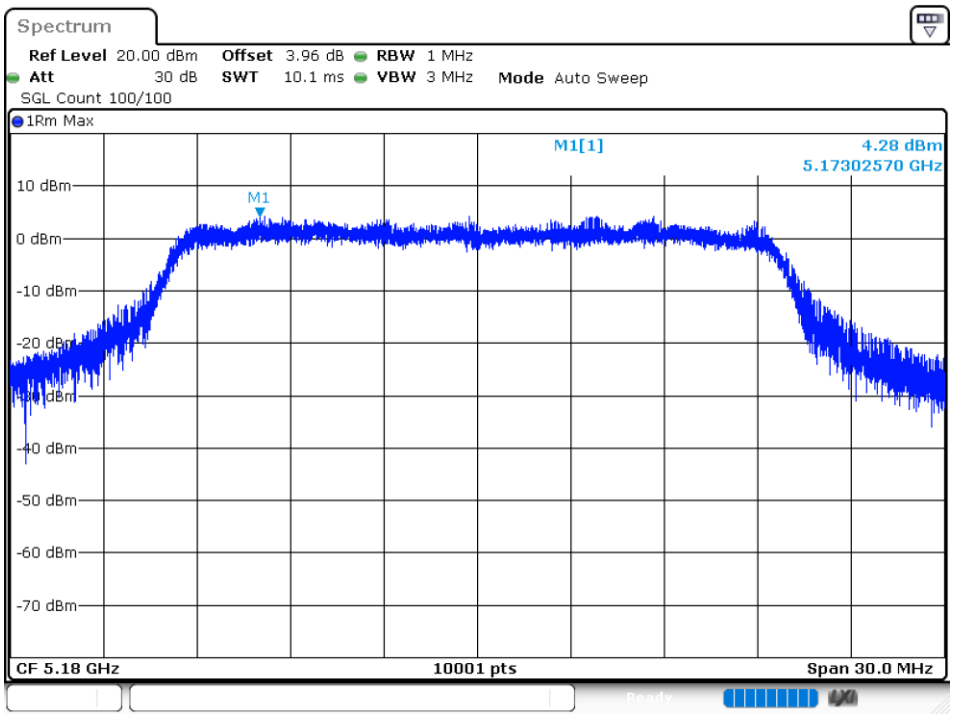
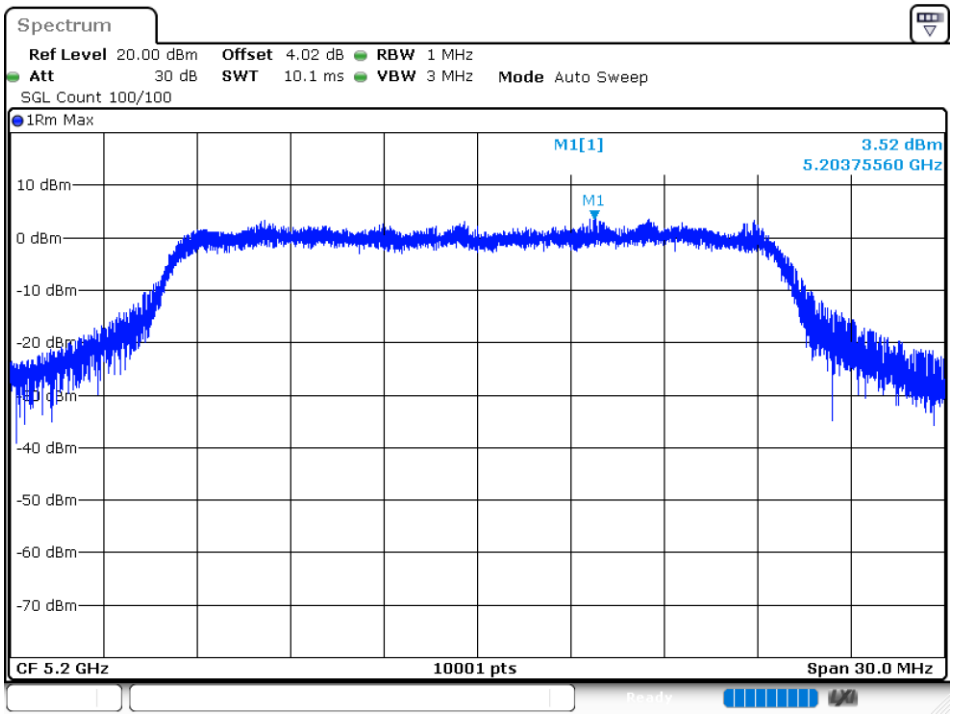
PSD NVNT ac40 5230MHz Ant1



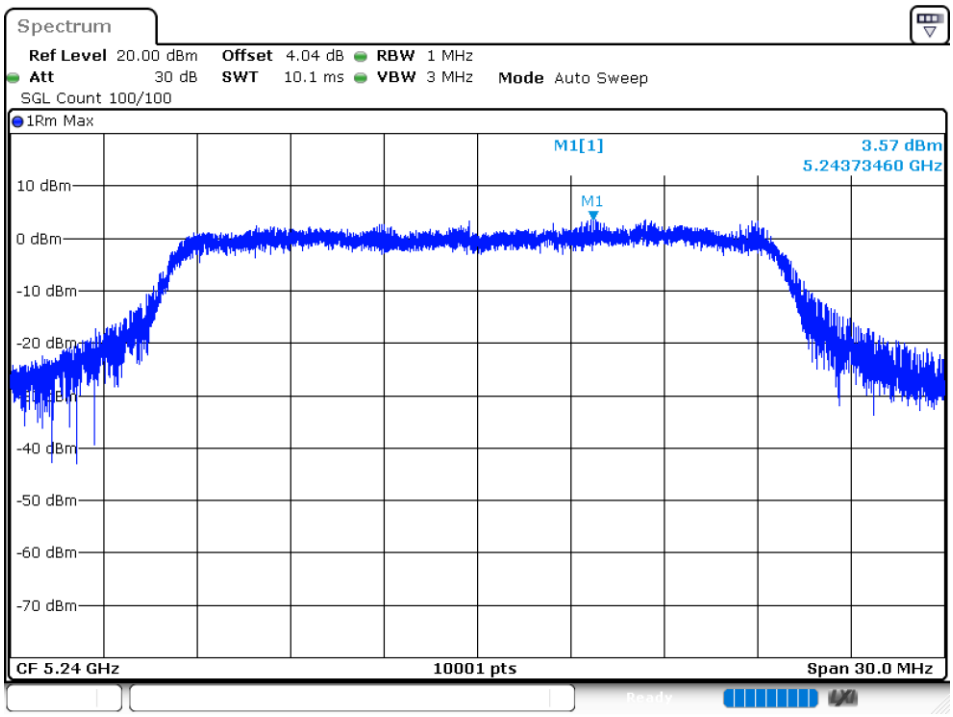
PSD NVNT ax20 5180MHz Ant1



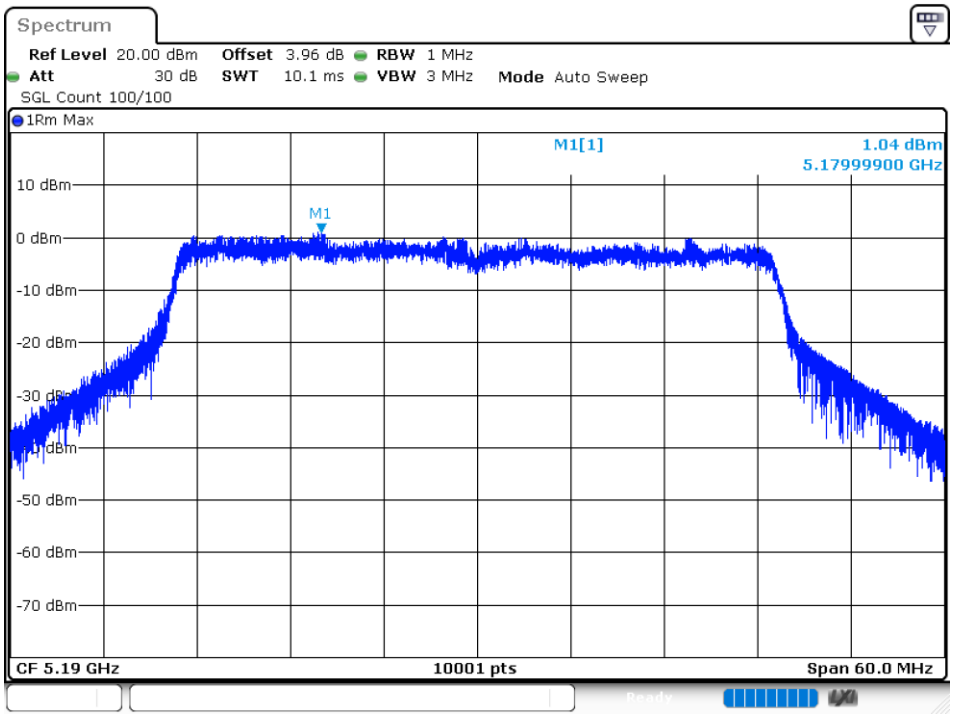
PSD NVNT ax20 5200MHz Ant1



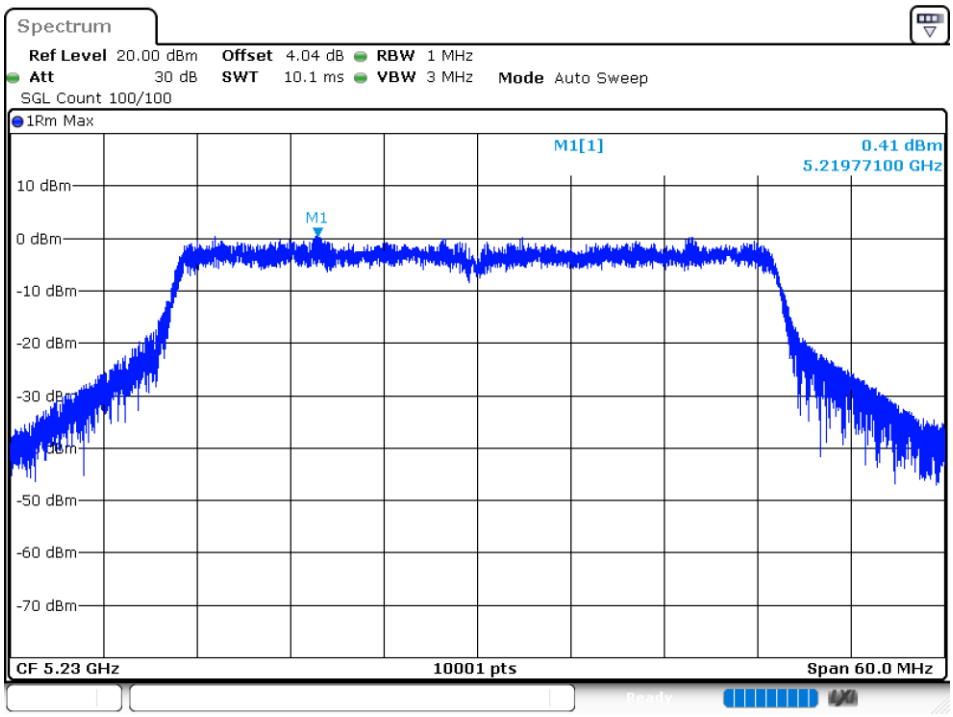
PSD NVNT ax20 5240MHz Ant1



PSD NVNT ax40 5190MHz Ant1



PSD NVNT ax40 5230MHz Ant1



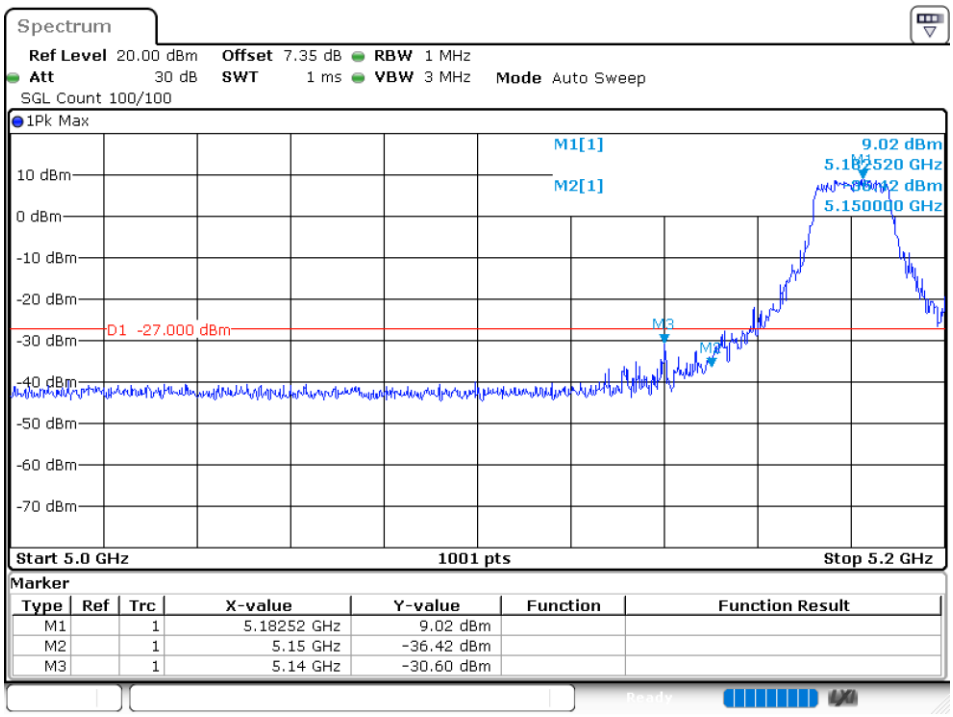
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-30.59	-27	Pass
NVNT	a	5240	Ant1	-39.93	-27	Pass
NVNT	n20	5180	Ant1	-32.07	-27	Pass
NVNT	n20	5240	Ant1	-39.23	-27	Pass
NVNT	n40	5190	Ant1	-27.06	-27	Pass
NVNT	n40	5230	Ant1	-39.74	-27	Pass
NVNT	ac20	5180	Ant1	-30.95	-27	Pass
NVNT	ac20	5240	Ant1	-38.94	-27	Pass
NVNT	ac40	5190	Ant1	-29.15	-27	Pass
NVNT	ac40	5230	Ant1	-39.46	-27	Pass
NVNT	ax20	5180	Ant1	-31.94	-27	Pass
NVNT	ax20	5240	Ant1	-39.74	-27	Pass
NVNT	ax40	5190	Ant1	-29.7	-27	Pass
NVNT	ax40	5230	Ant1	-39.69	-27	Pass

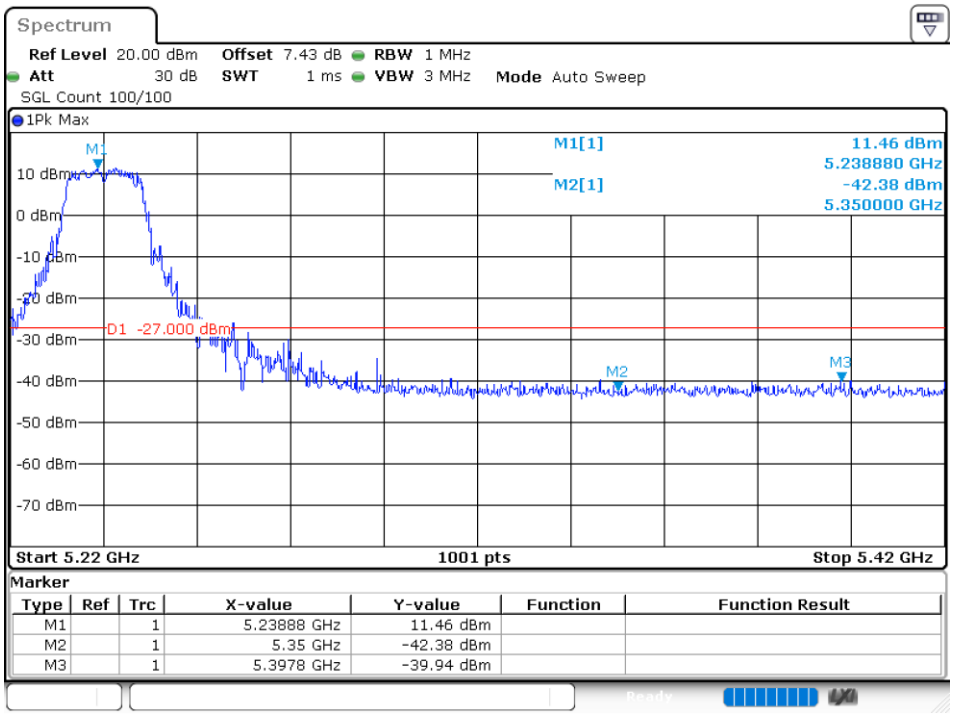
Note: Tested with increased antenna gain.

Test Graphs

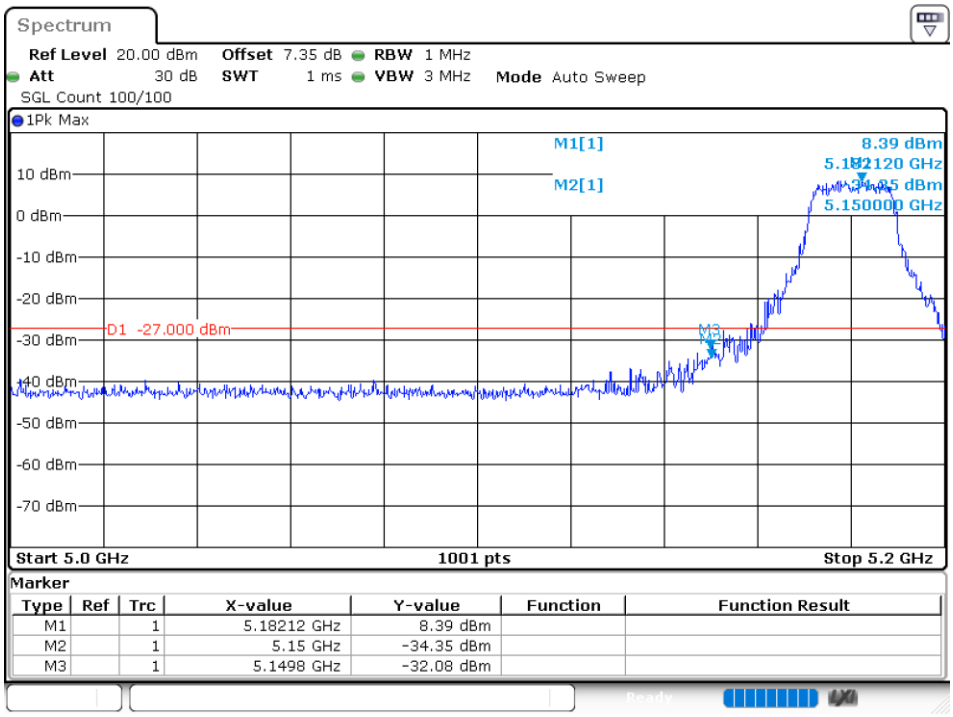
Band Edge NVNT a 5180MHz Low Ant1



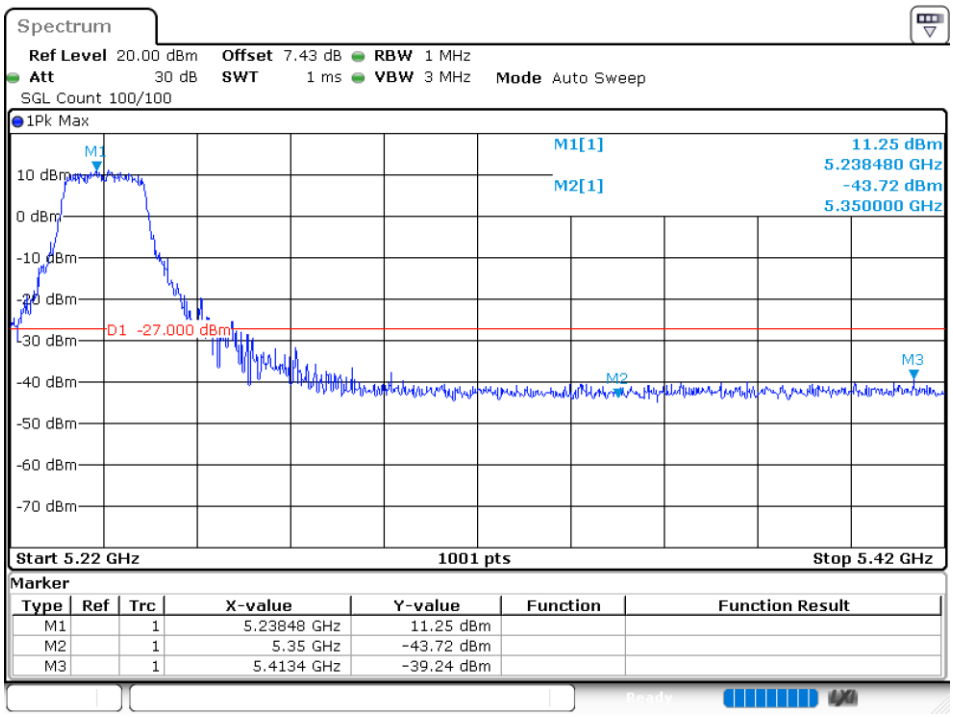
Band Edge NVNT a 5240MHz High Ant1



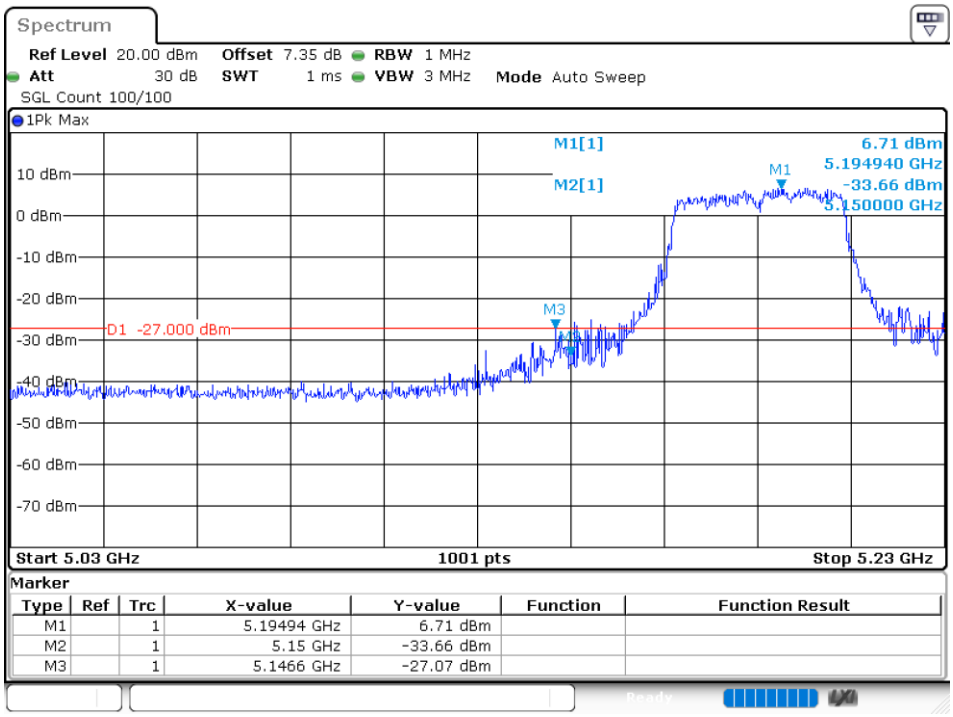
Band Edge NVNT n20 5180MHz Low Ant1



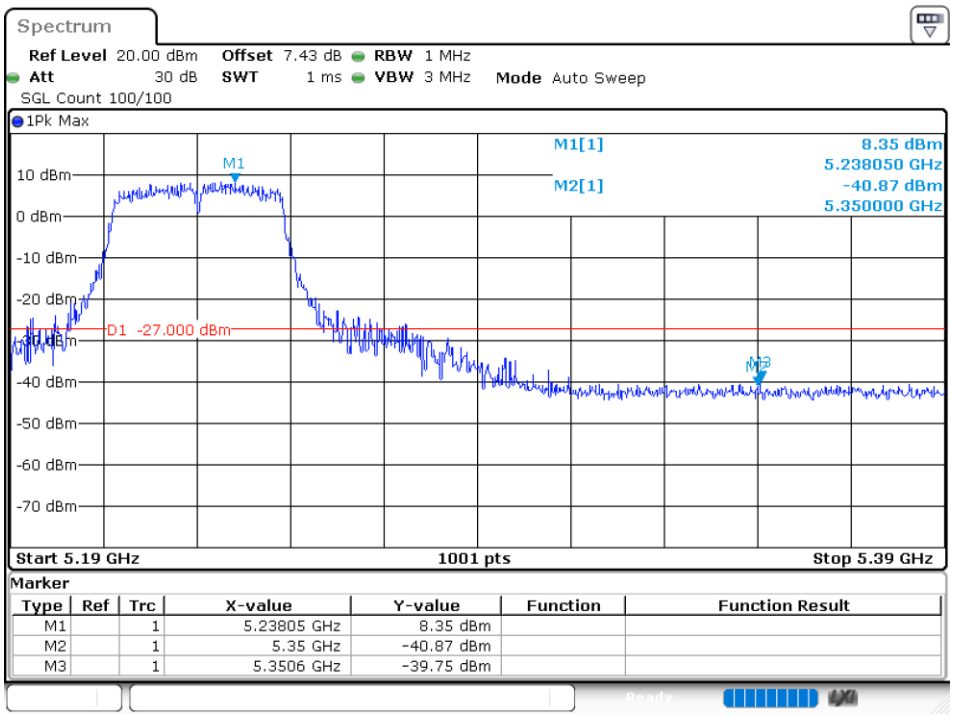
Band Edge NVNT n20 5240MHz High Ant1



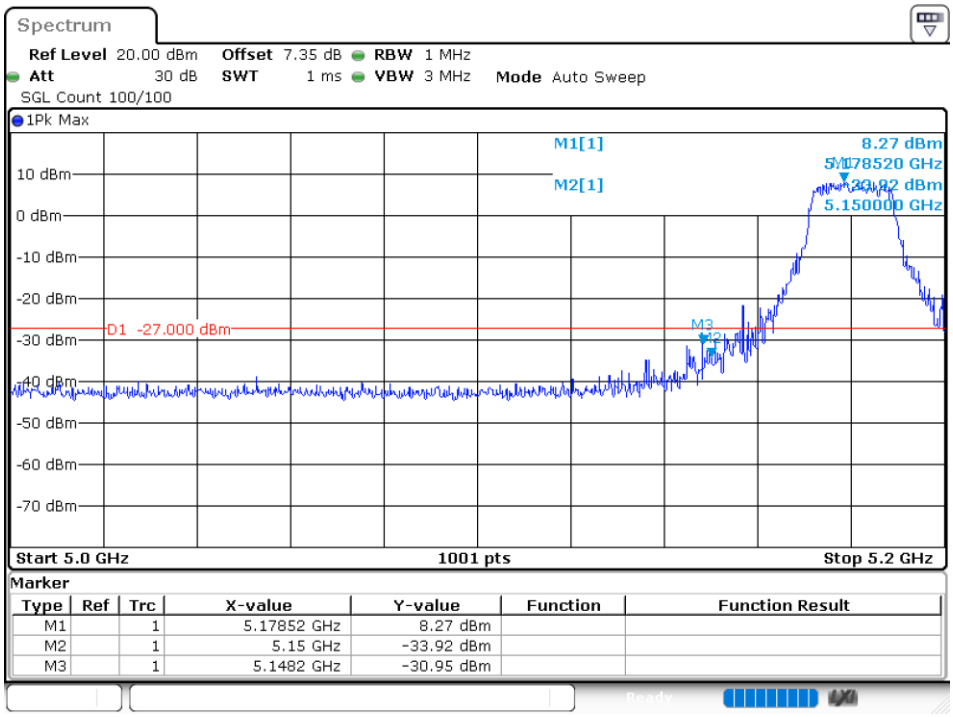
Band Edge NVNT n40 5190MHz Low Ant1



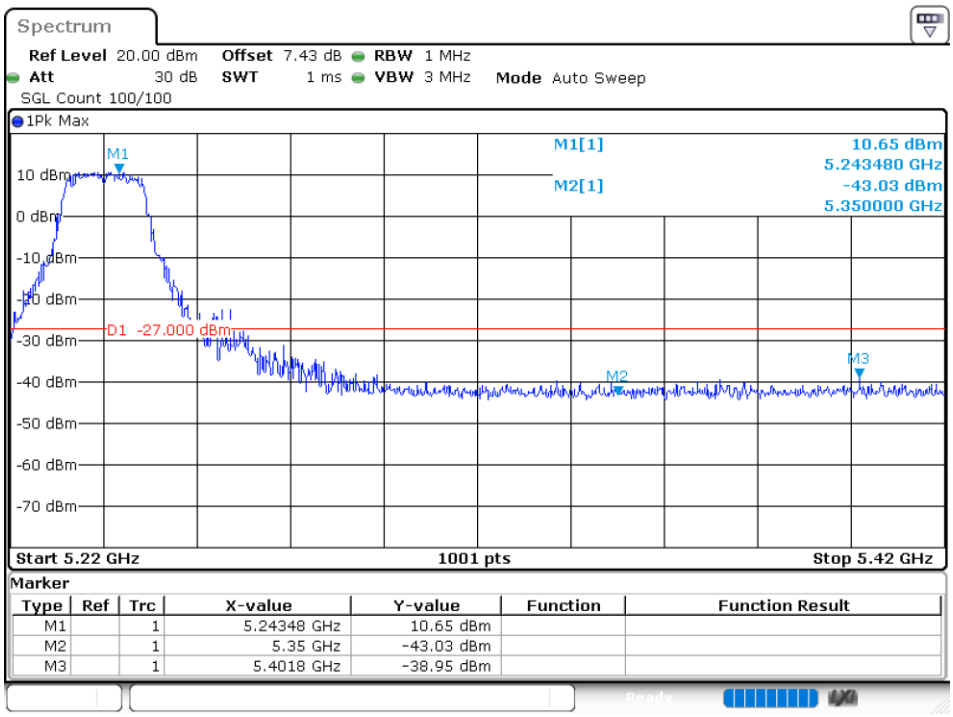
Band Edge NVNT n40 5230MHz High Ant1



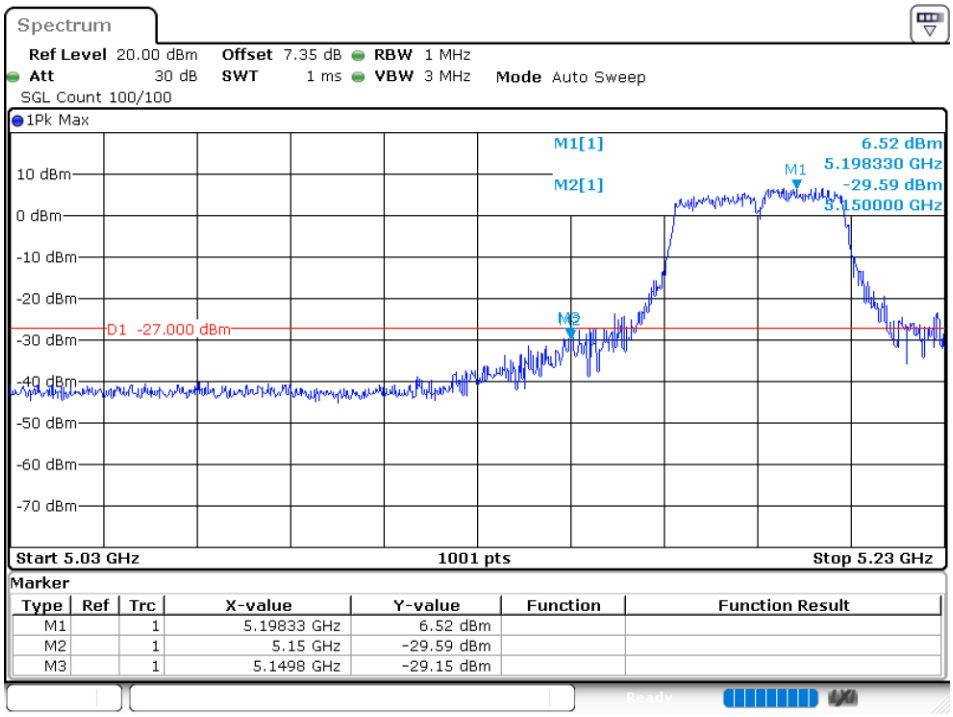
Band Edge NVNT ac20 5180MHz Low Ant1



Band Edge NVNT ac20 5240MHz High Ant1



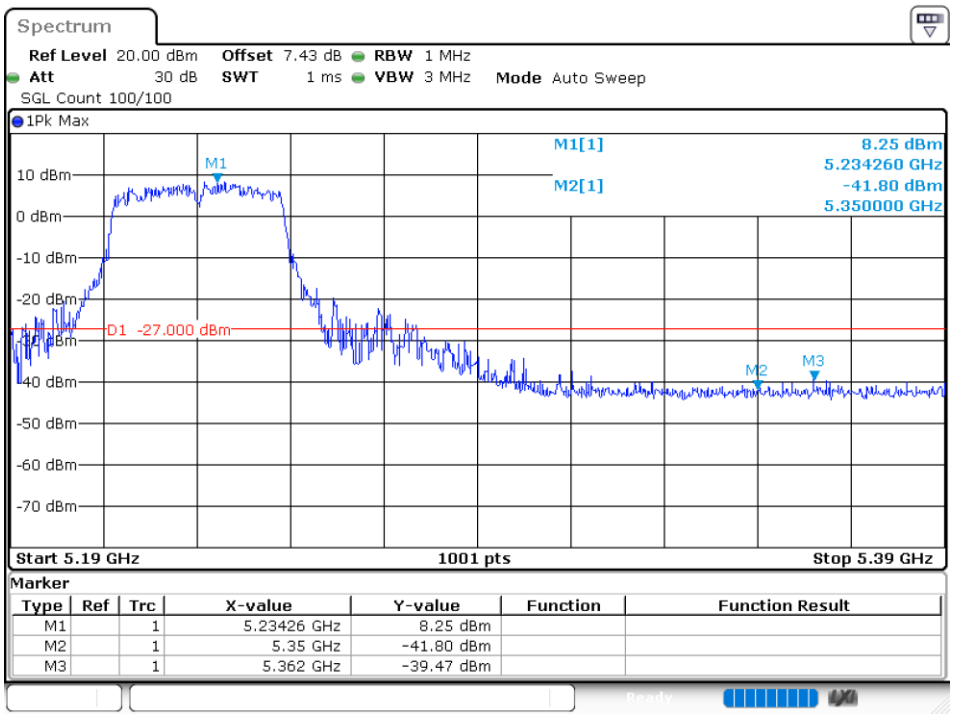
Band Edge NVNT ac40 5190MHz Low Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.19833 GHz	6.52 dBm		
M2		1	5.15 GHz	-29.59 dBm		
M3		1	5.1498 GHz	-29.15 dBm		

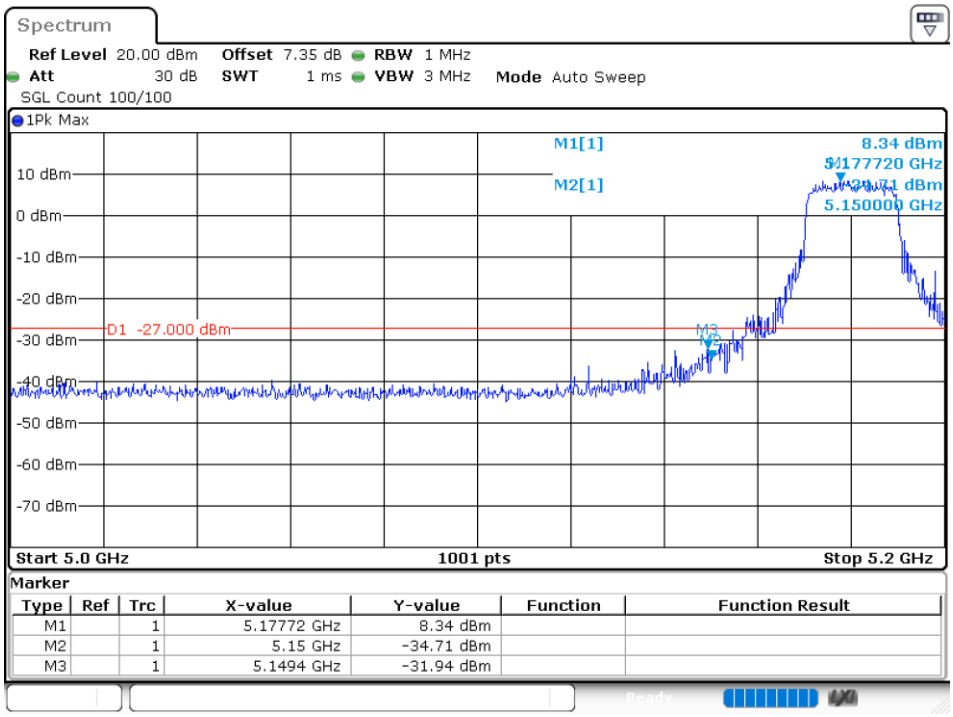
Band Edge NVNT ac40 5230MHz High Ant1



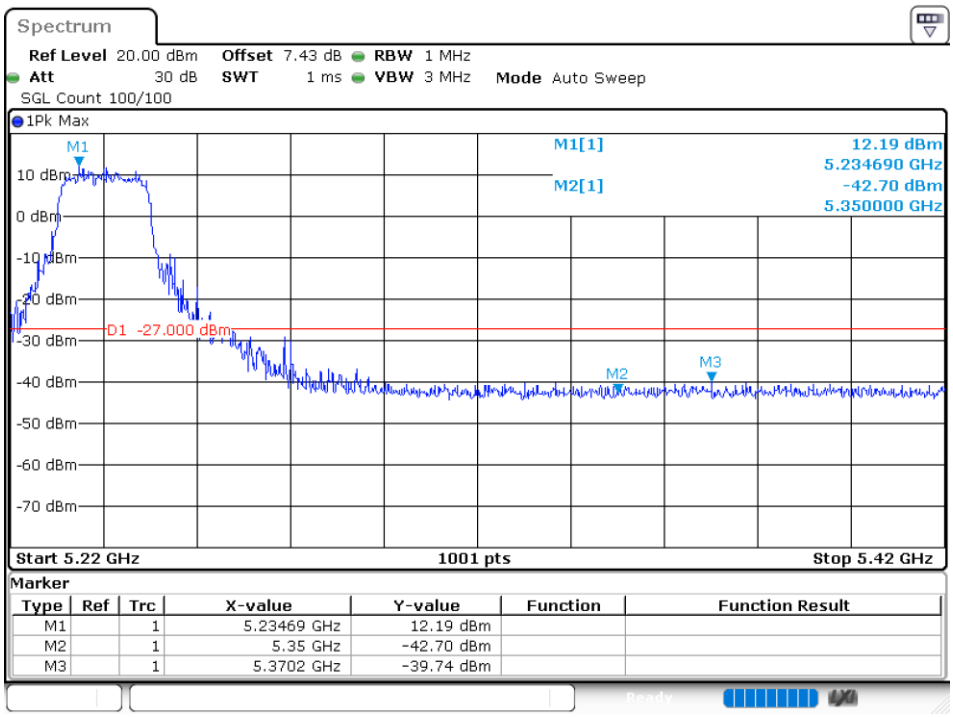
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.23426 GHz	8.25 dBm		
M2		1	5.35 GHz	-41.80 dBm		
M3		1	5.362 GHz	-39.47 dBm		

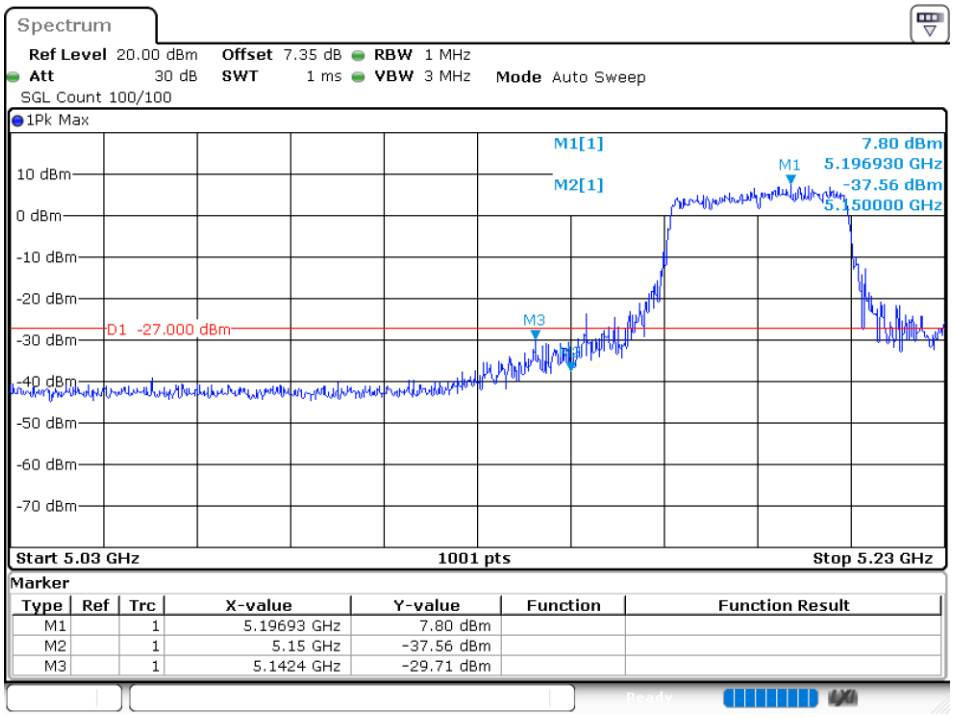
Band Edge NVNT ax20 5180MHz Low Ant1



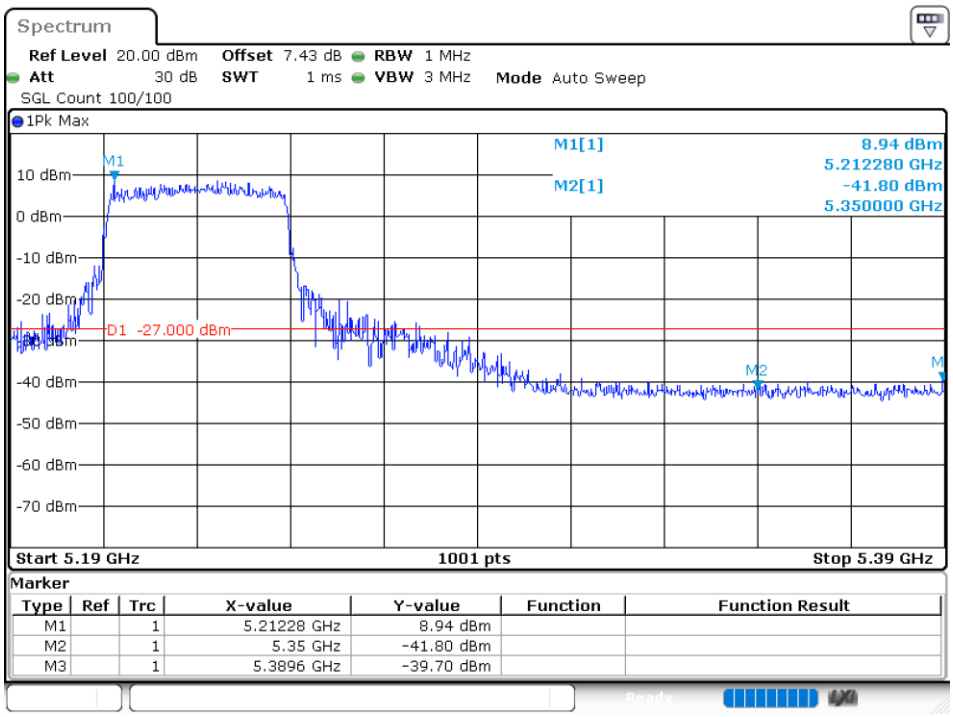
Band Edge NVNT ax20 5240MHz High Ant1



Band Edge NVNT ax40 5190MHz Low Ant1



Band Edge NVNT ax40 5230MHz High Ant1



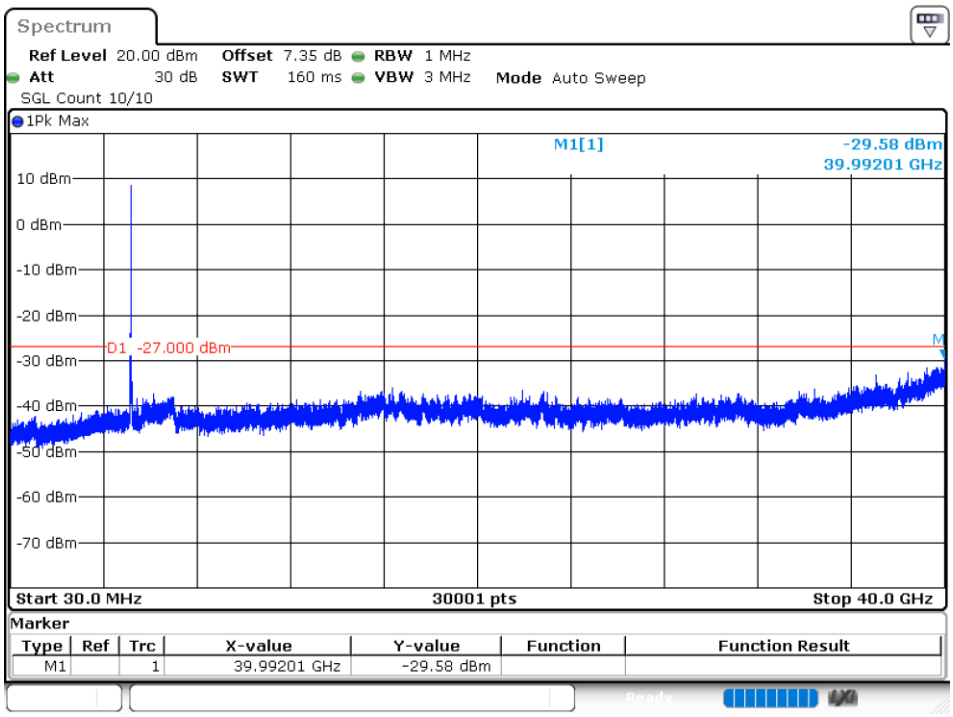
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-29.57	-27	Pass
NVNT	a	5200	Ant1	-31.12	-27	Pass
NVNT	a	5240	Ant1	-30.16	-27	Pass
NVNT	n20	5180	Ant1	-31.07	-27	Pass
NVNT	n20	5200	Ant1	-30.66	-27	Pass
NVNT	n20	5240	Ant1	-30.61	-27	Pass
NVNT	n40	5190	Ant1	-30.8	-27	Pass
NVNT	n40	5230	Ant1	-30.86	-27	Pass
NVNT	ac20	5180	Ant1	-31.19	-27	Pass
NVNT	ac20	5200	Ant1	-29.18	-27	Pass
NVNT	ac20	5240	Ant1	-31.26	-27	Pass
NVNT	ac40	5190	Ant1	-31.07	-27	Pass
NVNT	ac40	5230	Ant1	-30.6	-27	Pass
NVNT	ax20	5180	Ant1	-31.17	-27	Pass
NVNT	ax20	5200	Ant1	-30.36	-27	Pass
NVNT	ax20	5240	Ant1	-30.97	-27	Pass
NVNT	ax40	5190	Ant1	-30.75	-27	Pass
NVNT	ax40	5230	Ant1	-31.32	-27	Pass

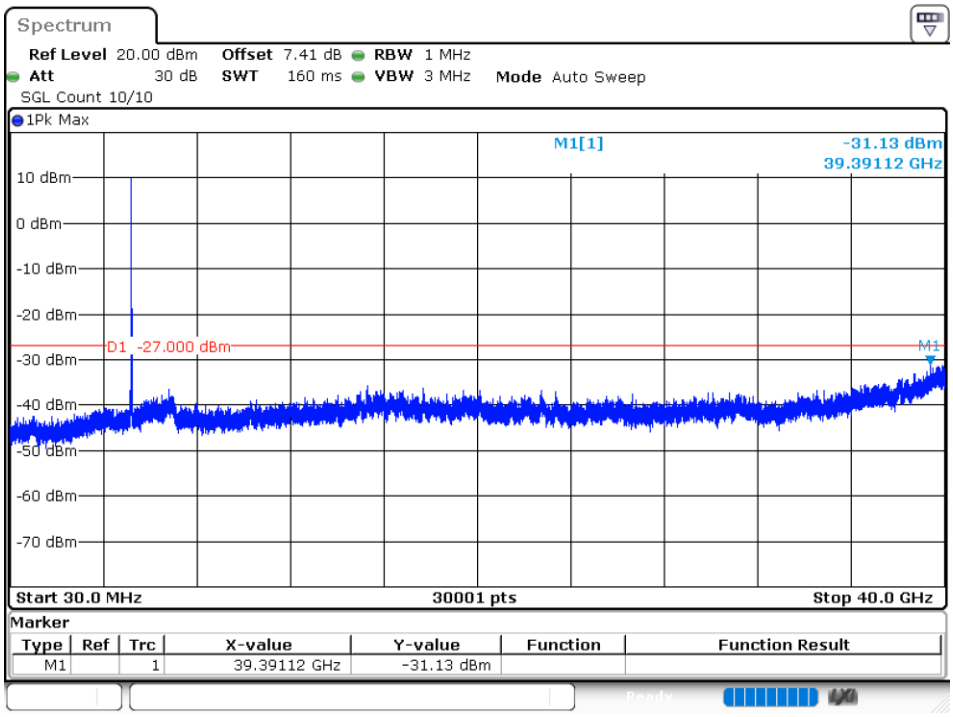
Note: Tested with increased antenna gain.

Test Graphs

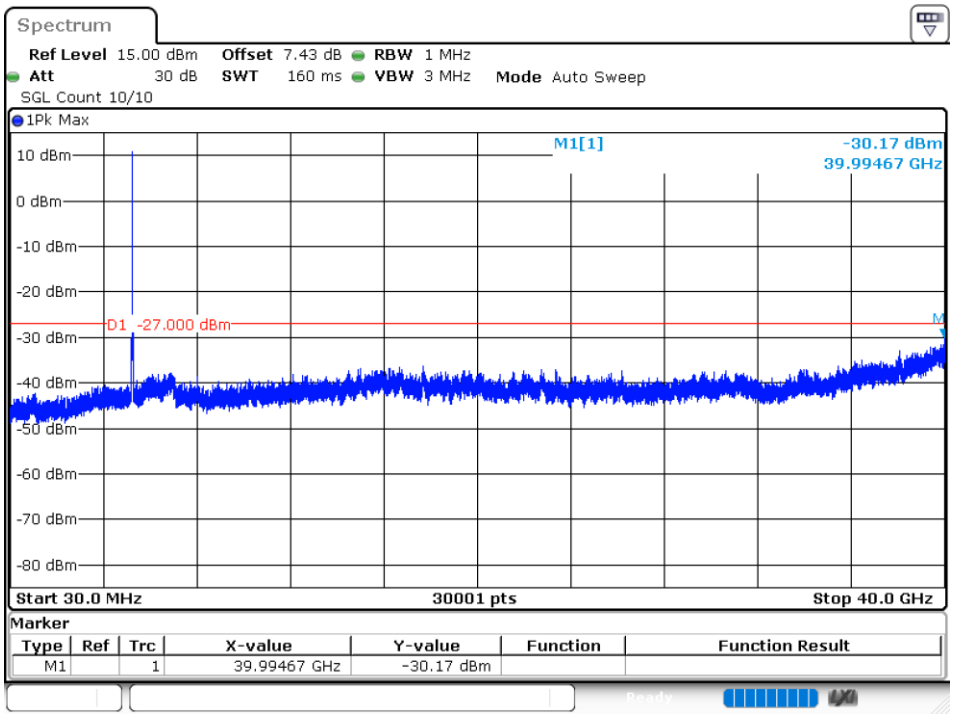
Tx. Spurious NVNT a 5180MHz Ant1 Emission



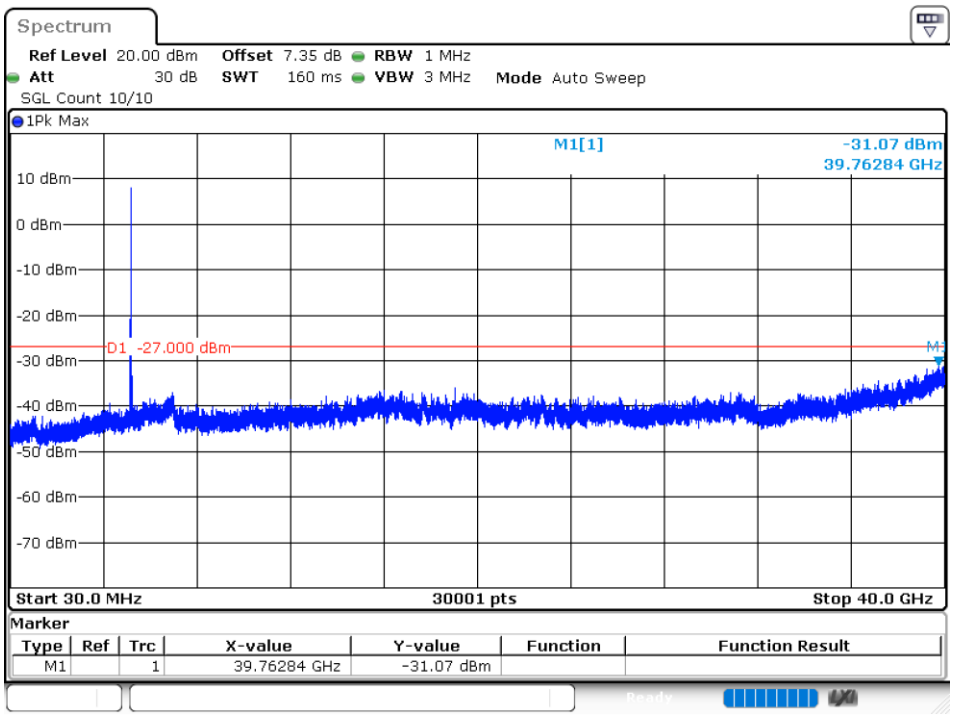
Tx. Spurious NVNT a 5200MHz Ant1 Emission



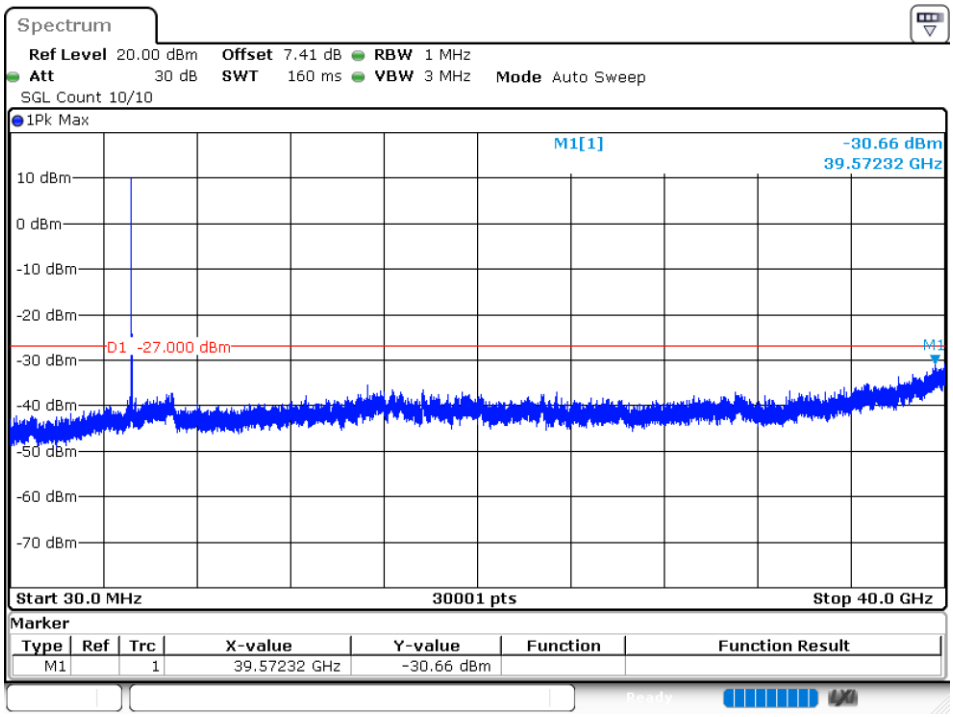
Tx. Spurious NVNT a 5240MHz Ant1 Emission



Tx. Spurious NVNT n20 5180MHz Ant1 Emission



Tx. Spurious NVNT n20 5200MHz Ant1 Emission



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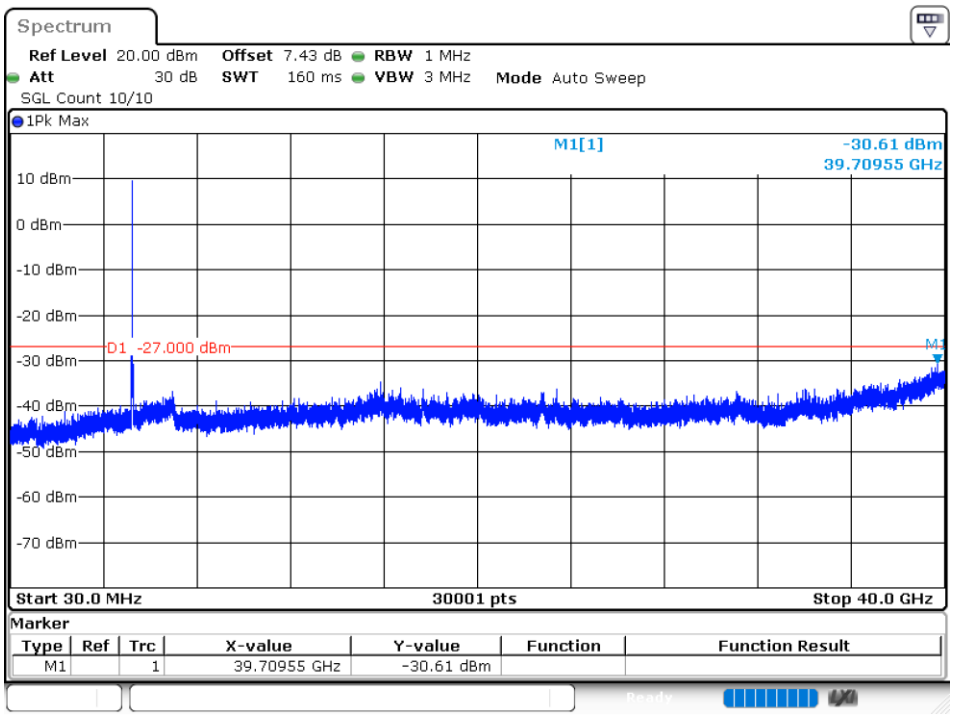
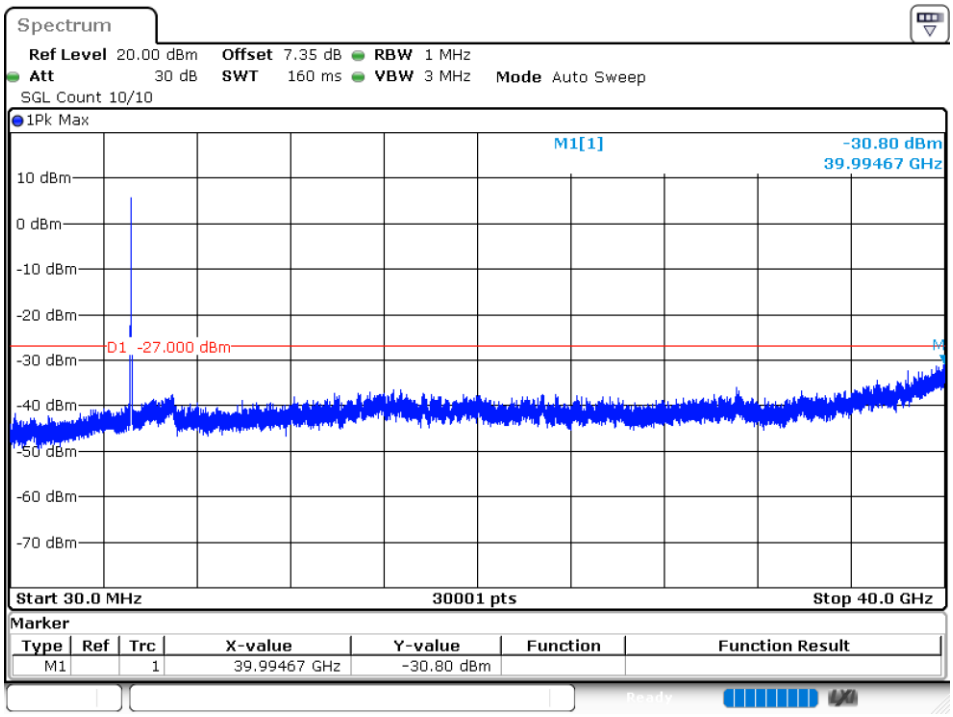
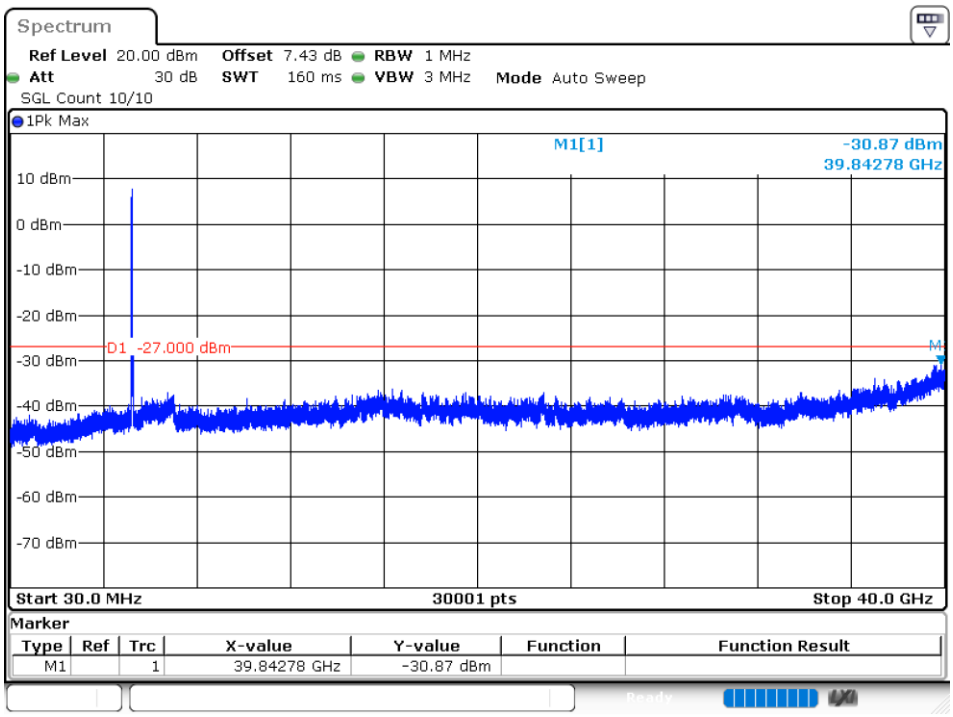


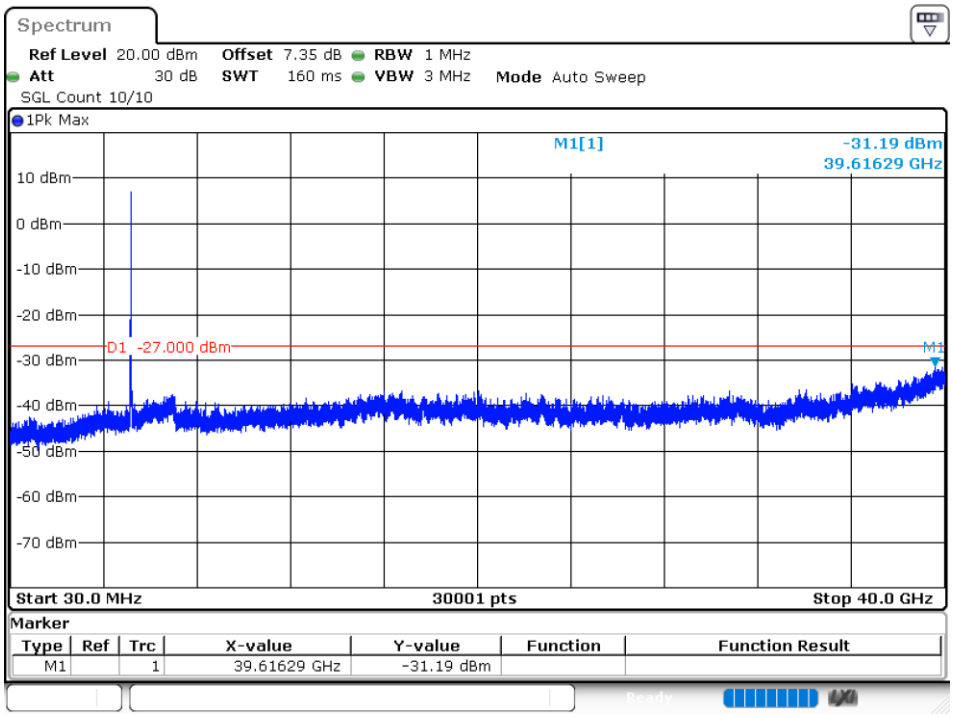
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



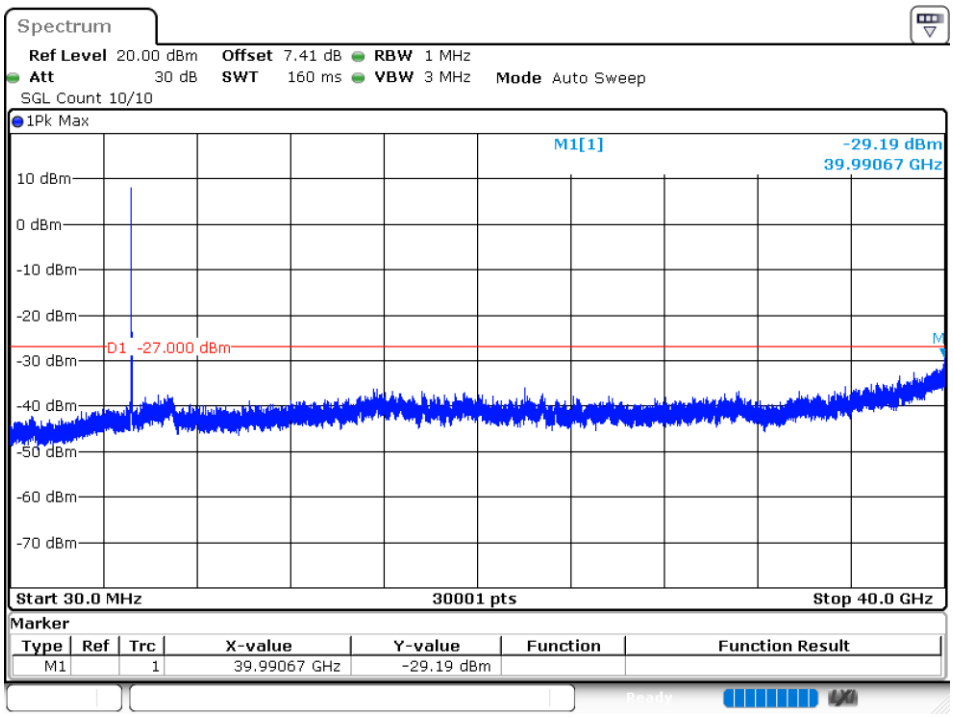
Tx. Spurious NVNT n40 5230MHz Ant1 Emission



Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



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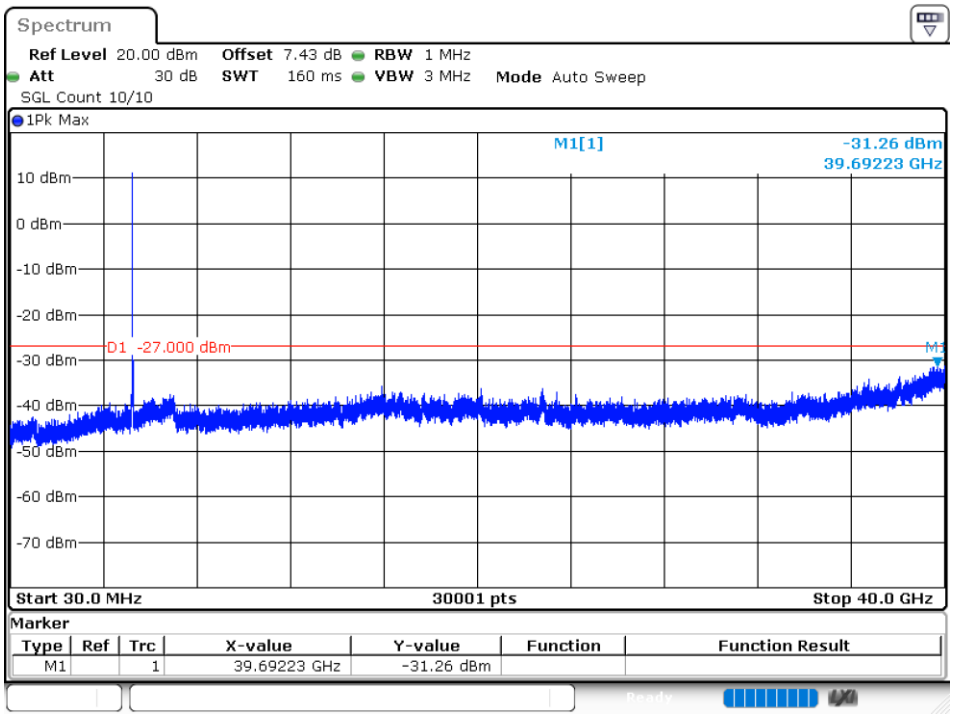
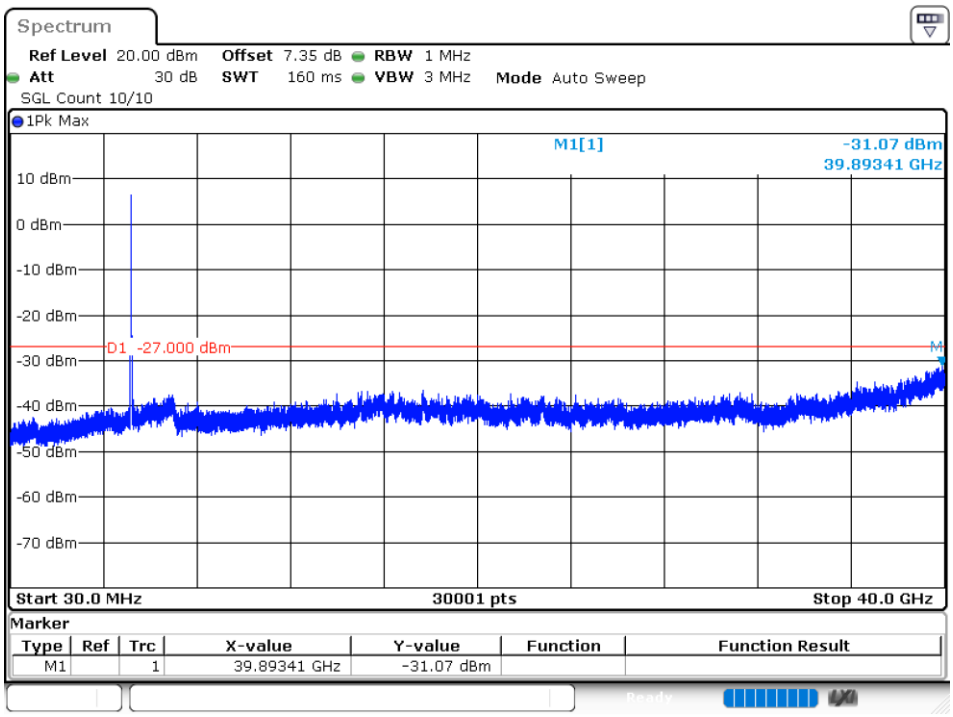
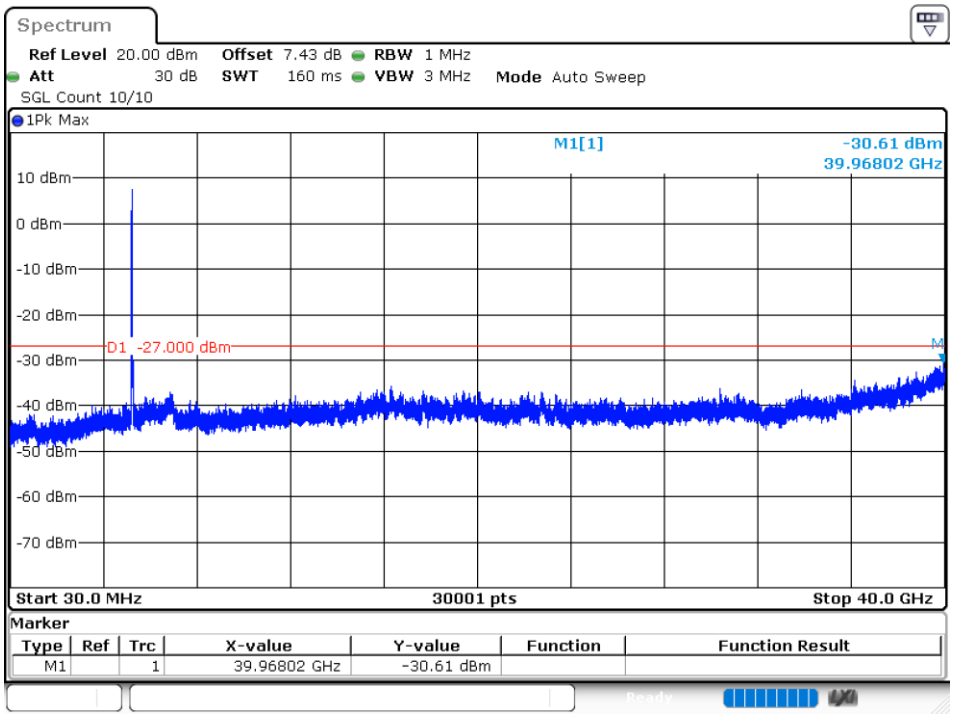


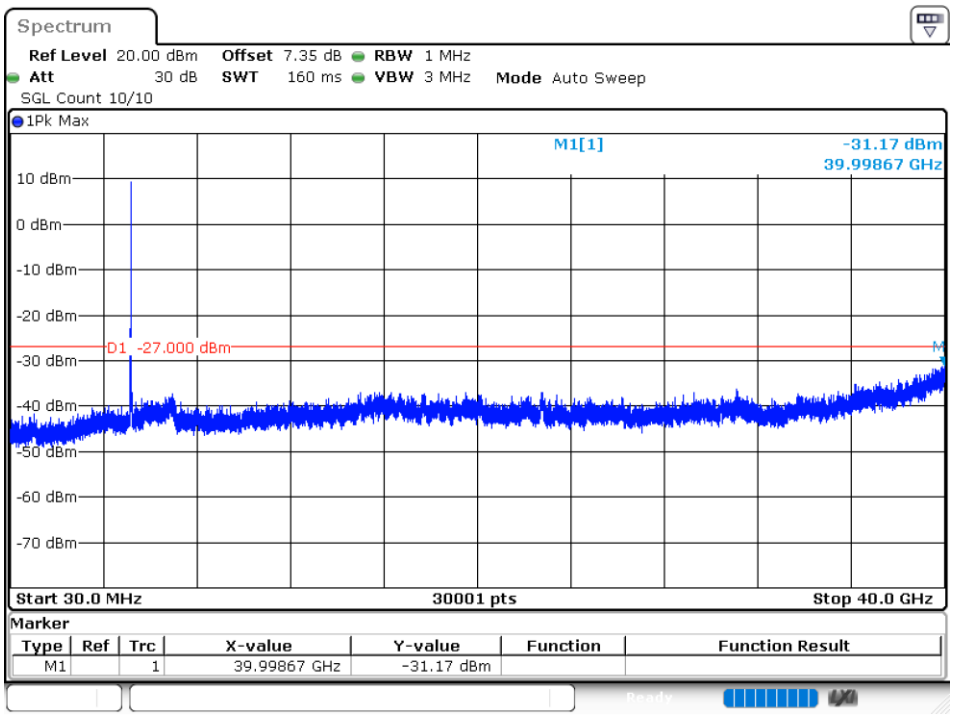
Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



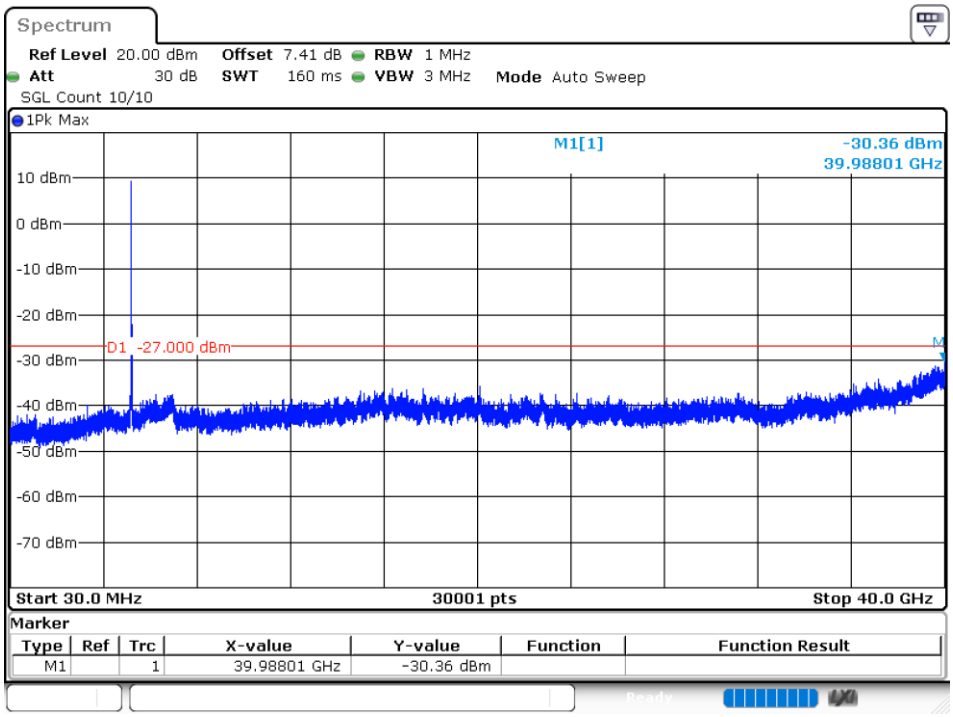
Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



Tx. Spurious NVNT ax20 5180MHz Ant1 Emission



Tx. Spurious NVNT ax20 5200MHz Ant1 Emission



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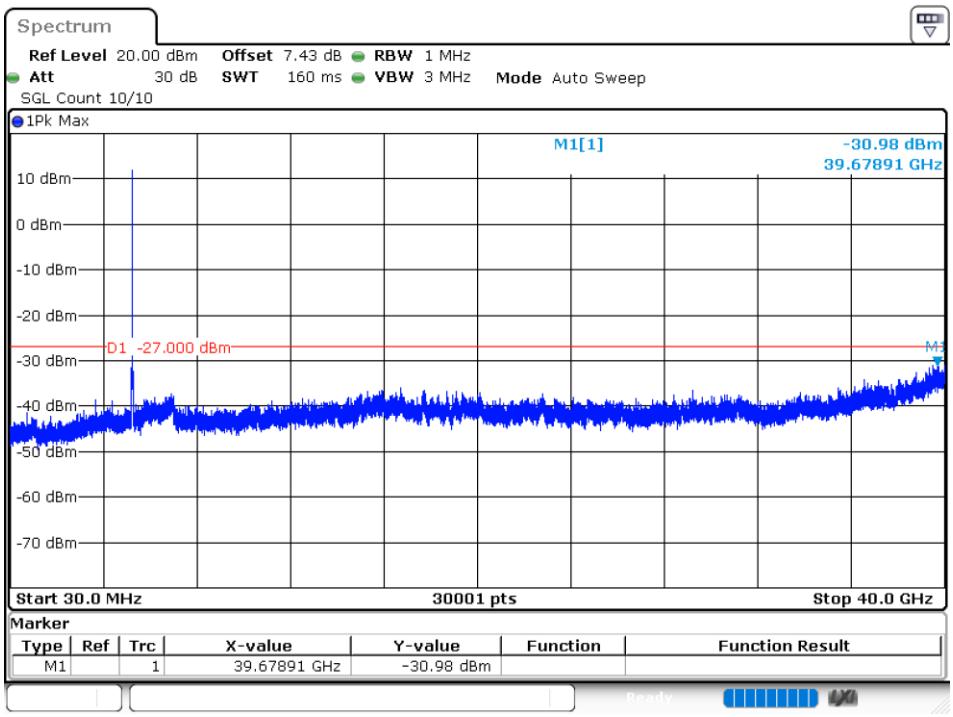

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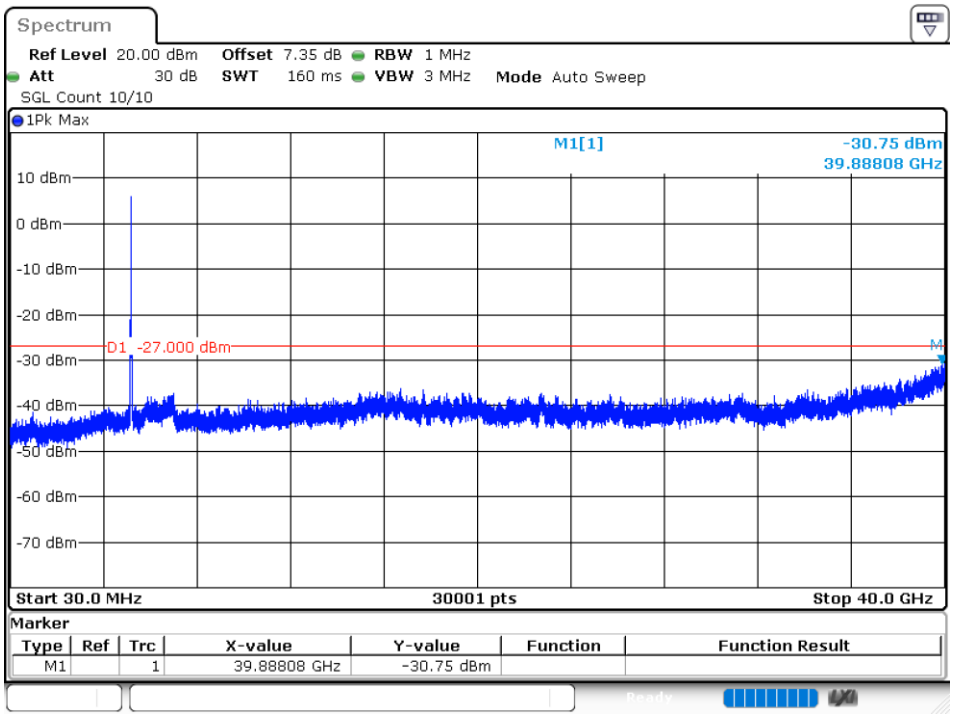
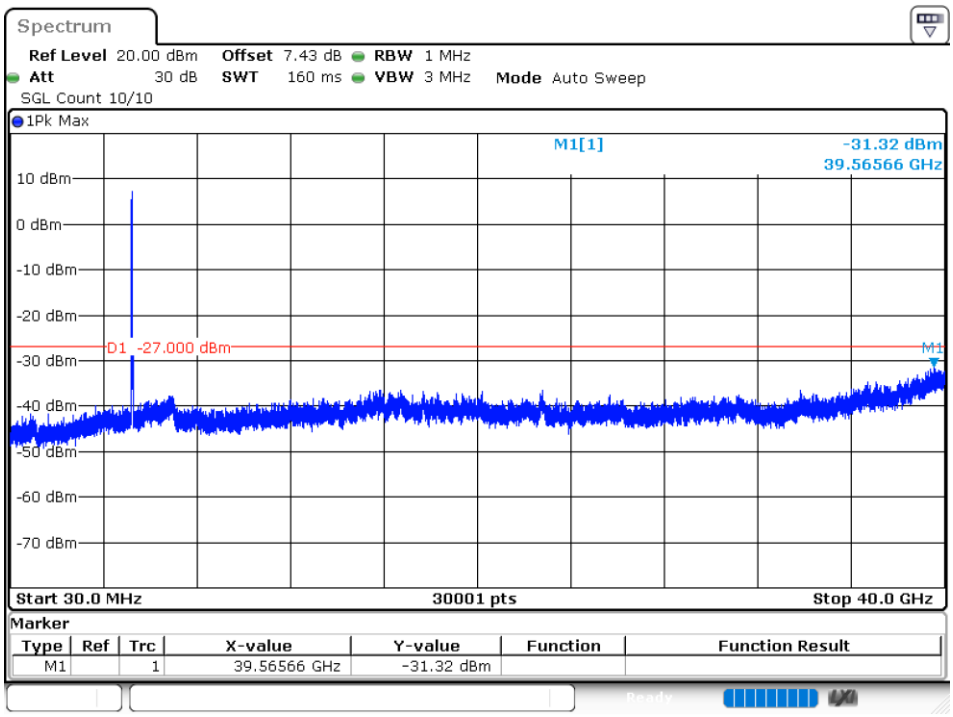


Tx. Spurious NVNT ax40 5230MHz Ant1 Emission



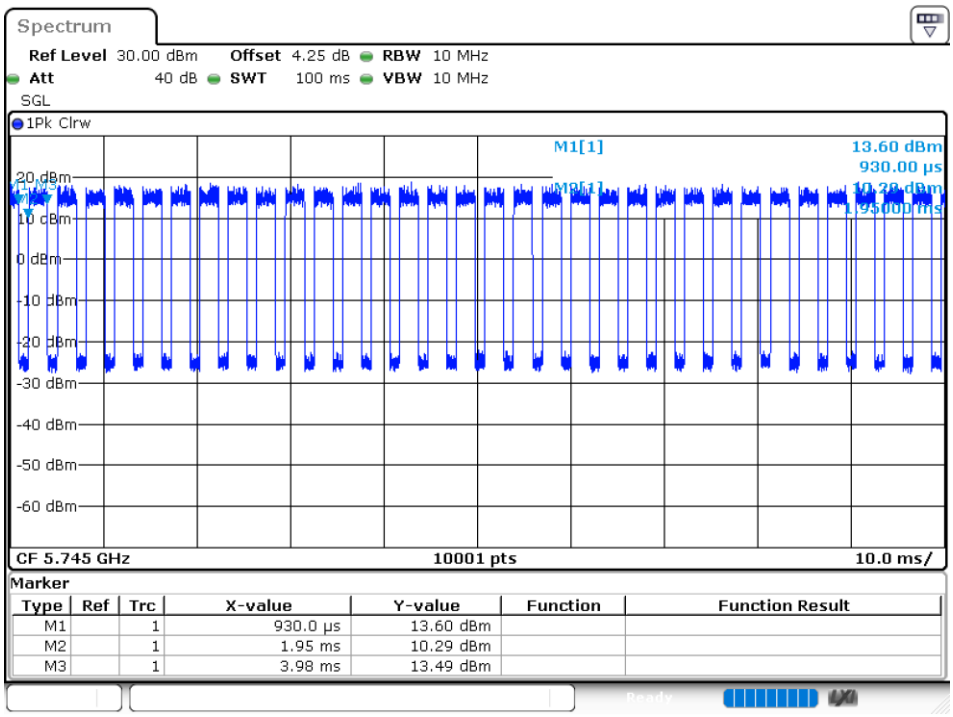
WIFI 5.8G

Duty Cycle

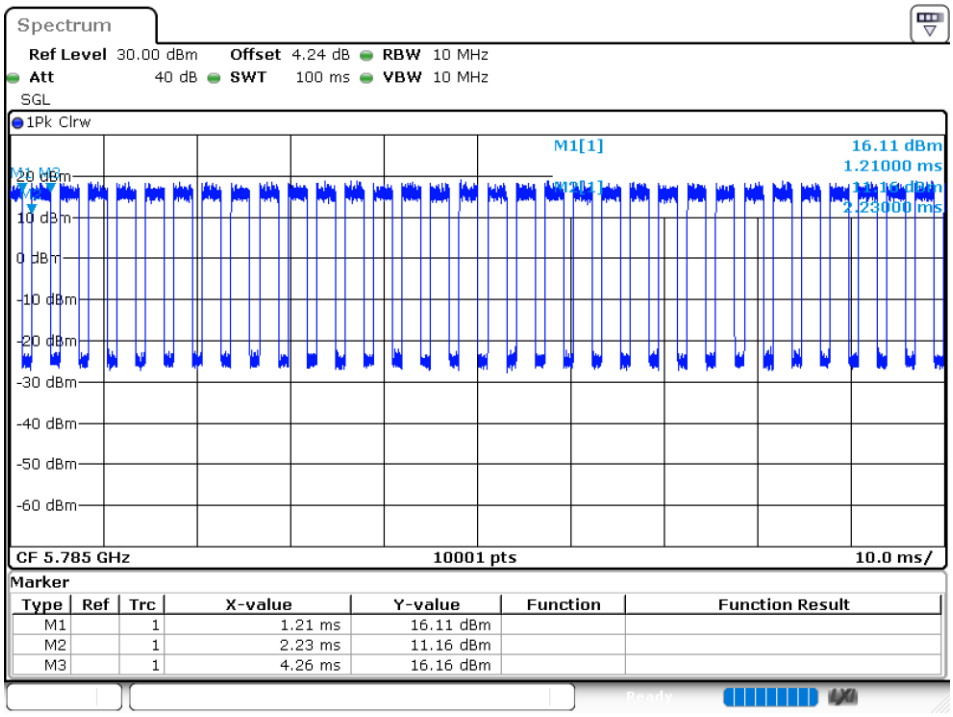
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	66.64	1.76	0.49
NVNT	a	5785	Ant1	66.64	1.76	0.49
NVNT	a	5825	Ant1	66.5	1.77	0.49
NVNT	n20	5745	Ant1	65.62	1.83	0.53
NVNT	n20	5785	Ant1	64.78	1.89	0.53
NVNT	n20	5825	Ant1	65.58	1.83	0.53
NVNT	n40	5755	Ant1	48.59	3.13	1.08
NVNT	n40	5795	Ant1	48.38	3.15	1.06
NVNT	ac20	5745	Ant1	65.62	1.83	0.53
NVNT	ac20	5785	Ant1	65.46	1.84	0.53
NVNT	ac20	5825	Ant1	65.29	1.85	0.53
NVNT	ac40	5755	Ant1	48.4	3.15	1.08
NVNT	ac40	5795	Ant1	48.35	3.16	1.06
NVNT	ax20	5745	Ant1	58.9	2.3	0.68
NVNT	ax20	5785	Ant1	59.43	2.26	0.69
NVNT	ax20	5825	Ant1	59.42	2.26	0.68
NVNT	ax40	5755	Ant1	43.45	3.62	1.32
NVNT	ax40	5795	Ant1	43.17	3.65	1.32

Test Graphs

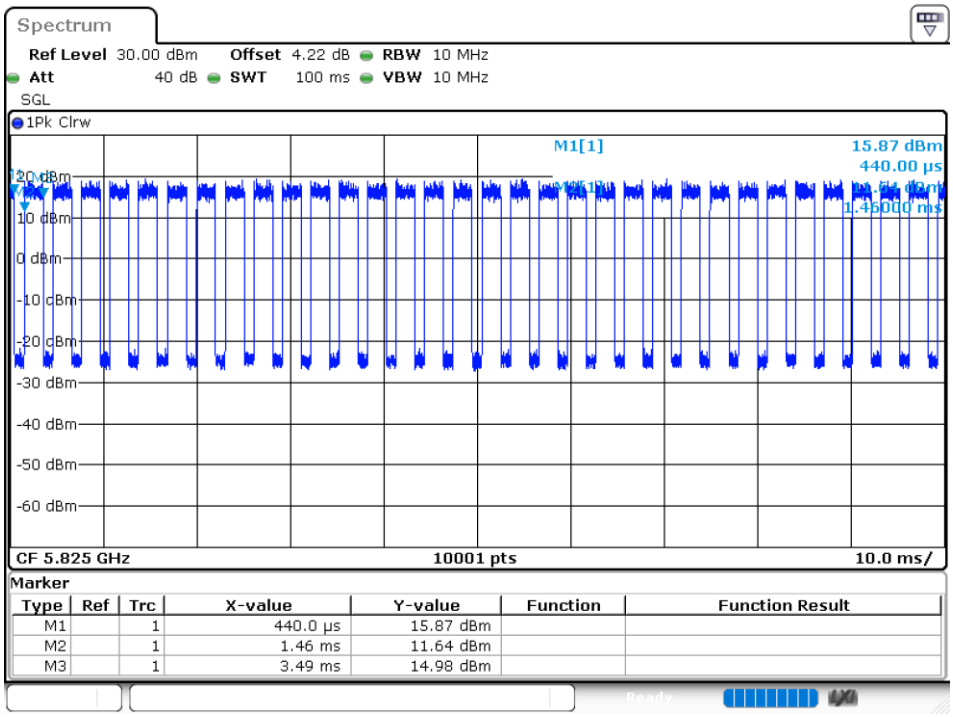
Duty Cycle NVNT a 5745MHz Ant1



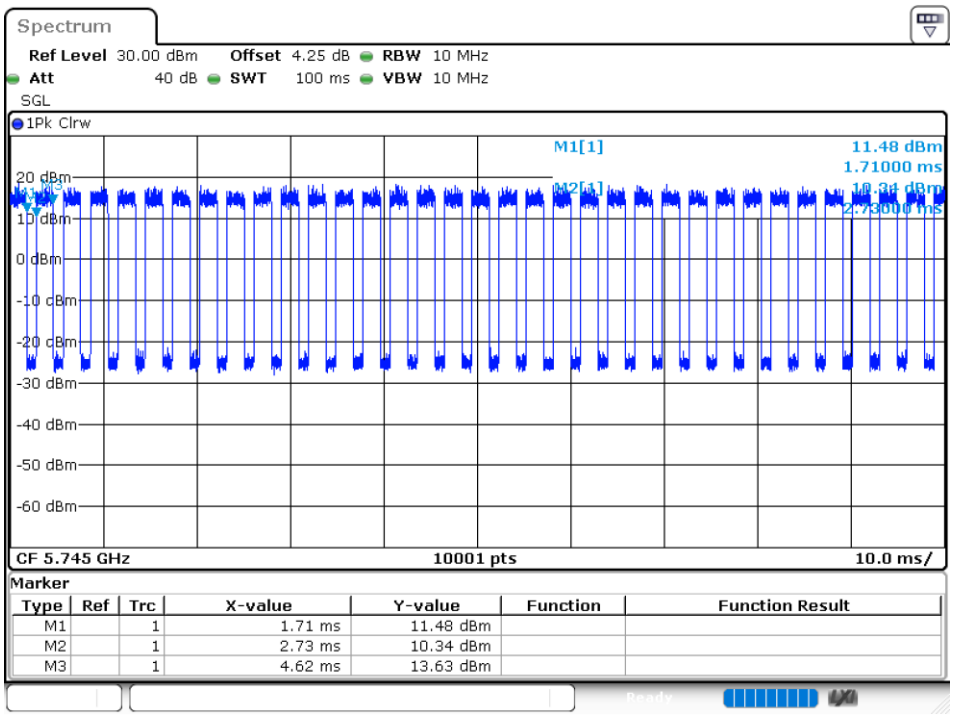
Duty Cycle NVNT a 5785MHz Ant1



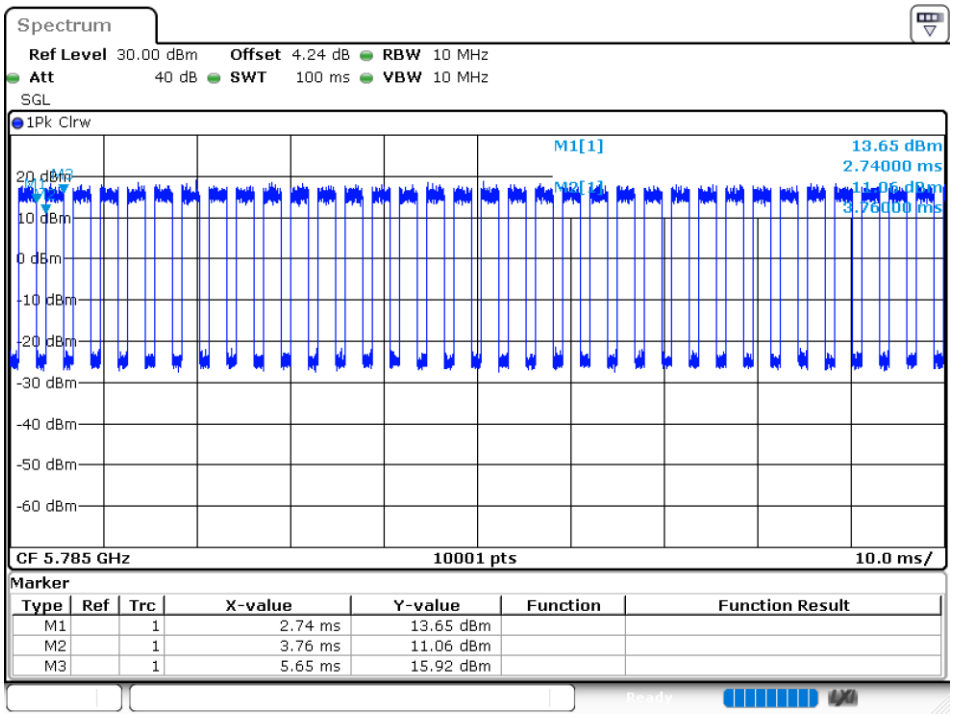
Duty Cycle NVNT a 5825MHz Ant1



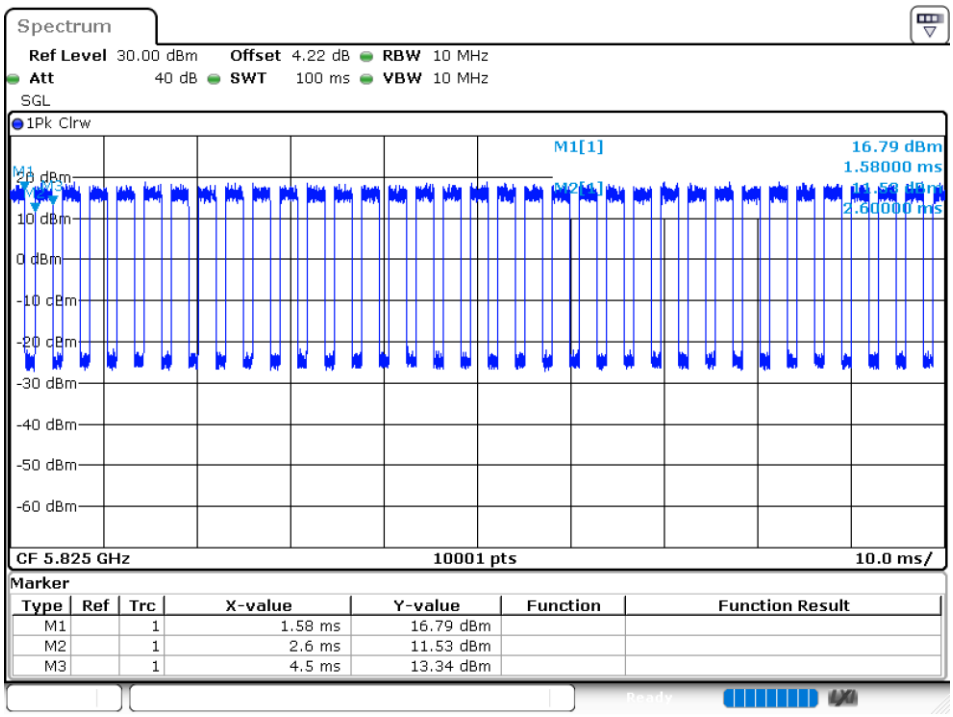
Duty Cycle NVNT n20 5745MHz Ant1



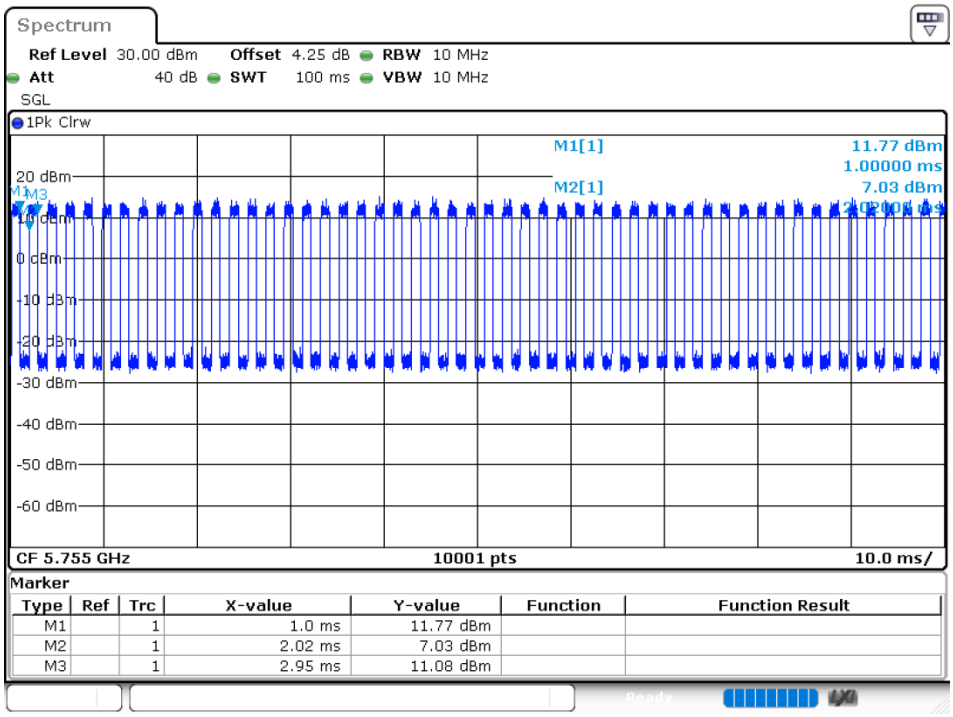
Duty Cycle NVNT n20 5785MHz Ant1



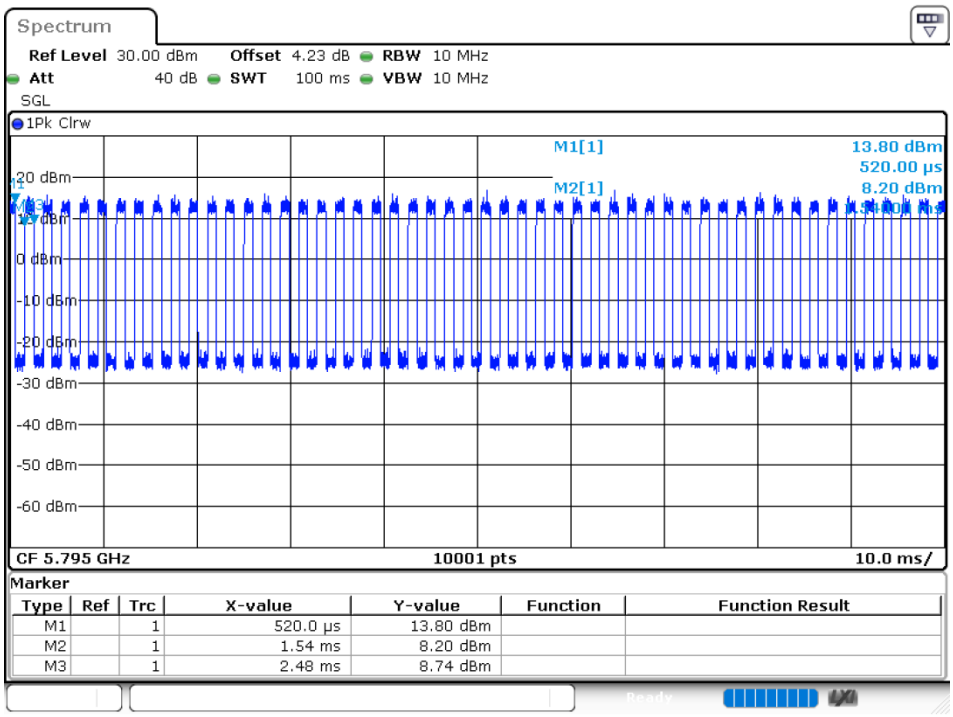
Duty Cycle NVNT n20 5825MHz Ant1



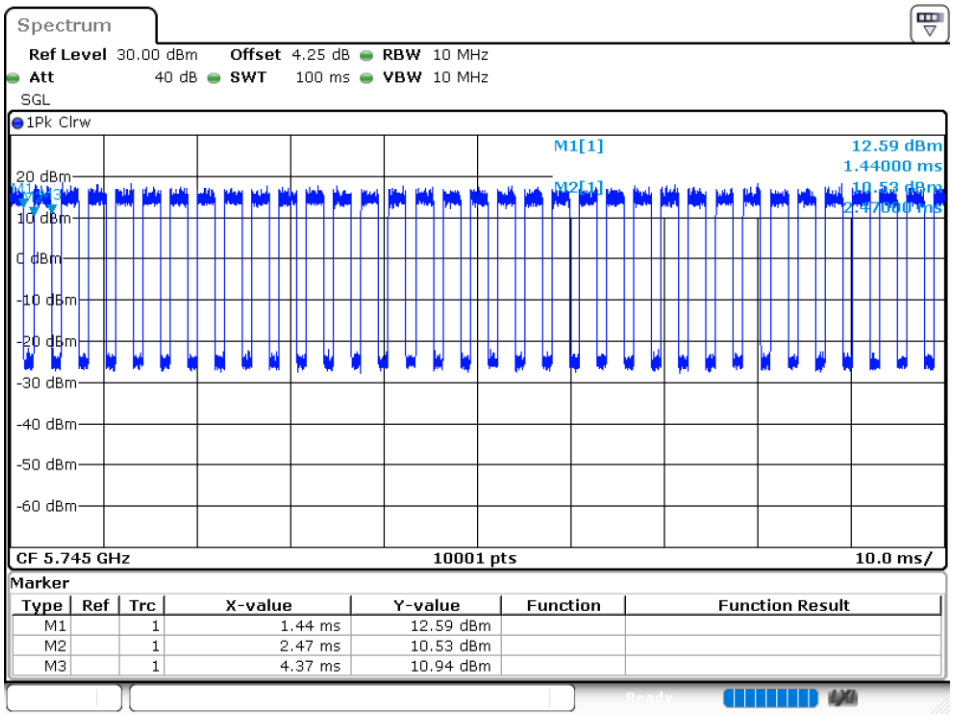
Duty Cycle NVNT n40 5755MHz Ant1



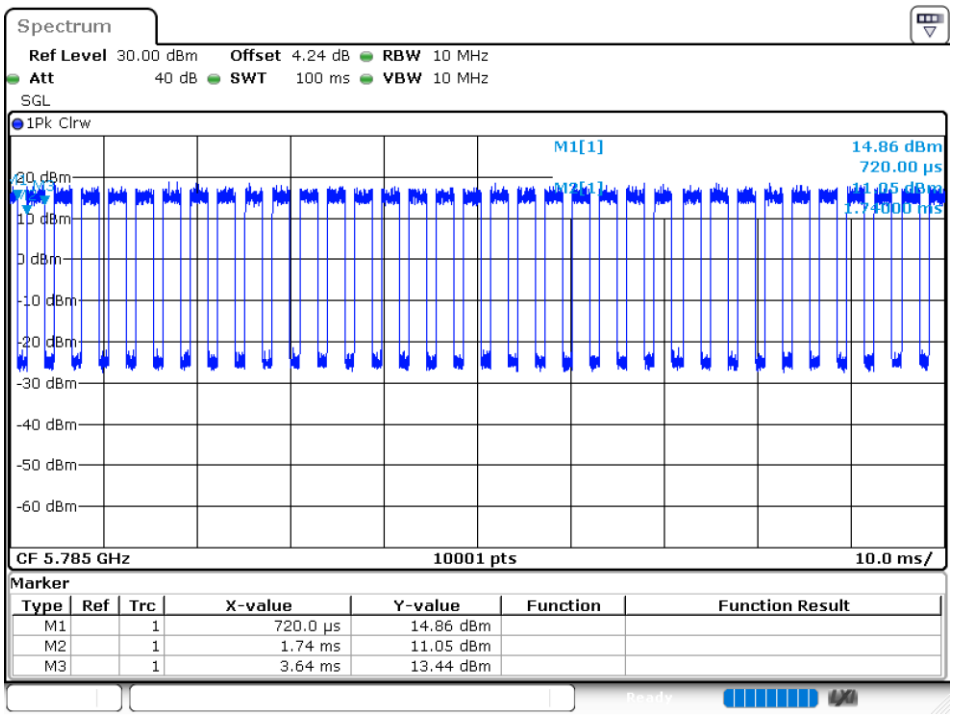
Duty Cycle NVNT n40 5795MHz Ant1



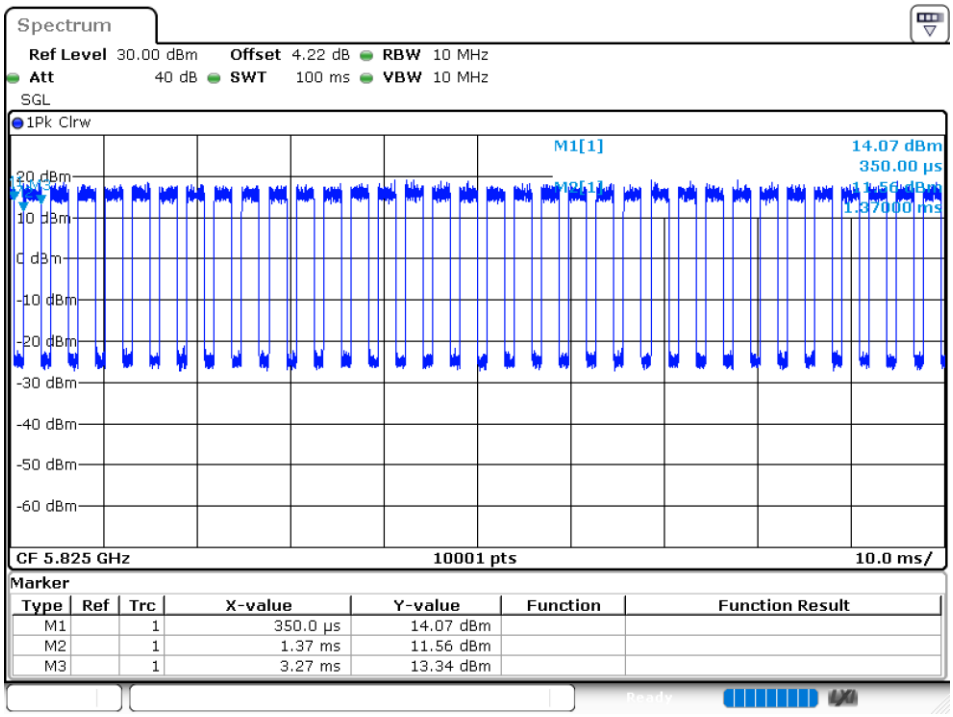
Duty Cycle NVNT ac20 5745MHz Ant1



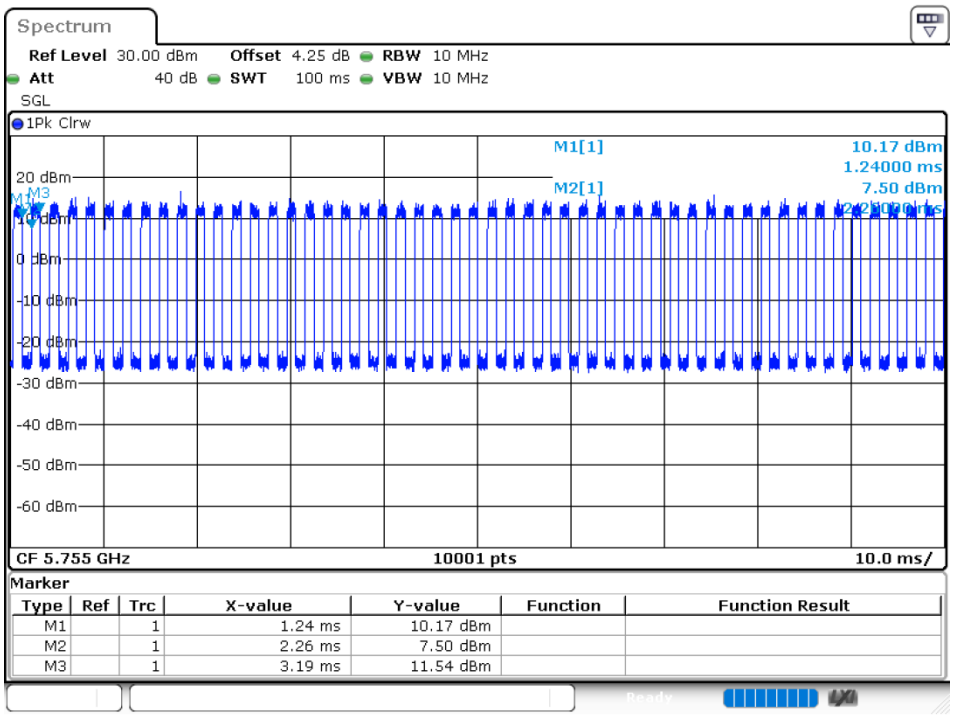
Duty Cycle NVNT ac20 5785MHz Ant1



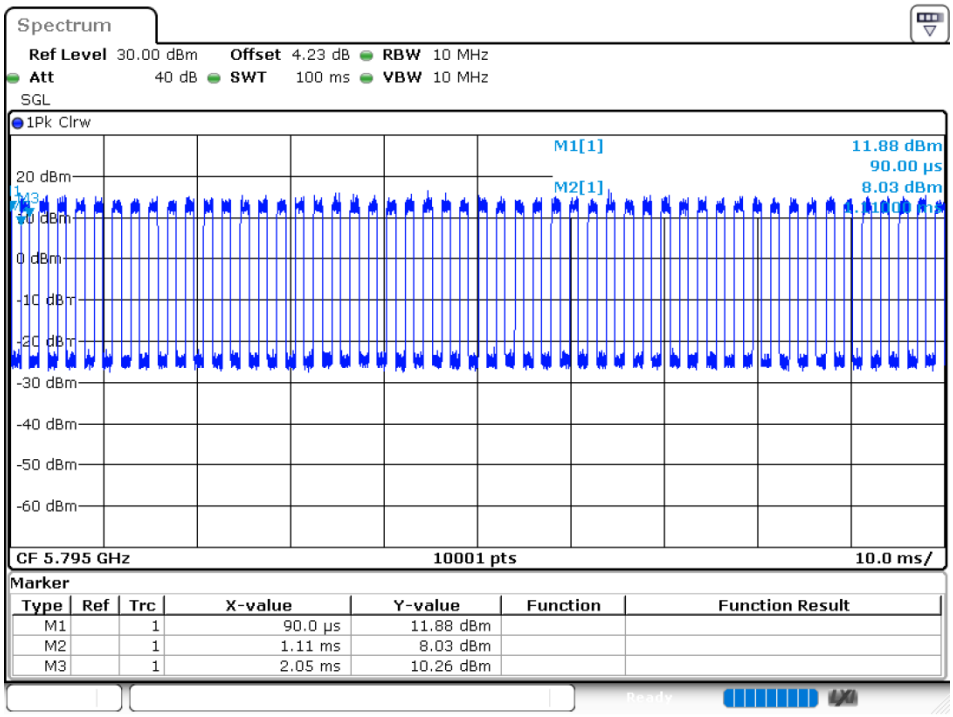
Duty Cycle NVNT ac20 5825MHz Ant1



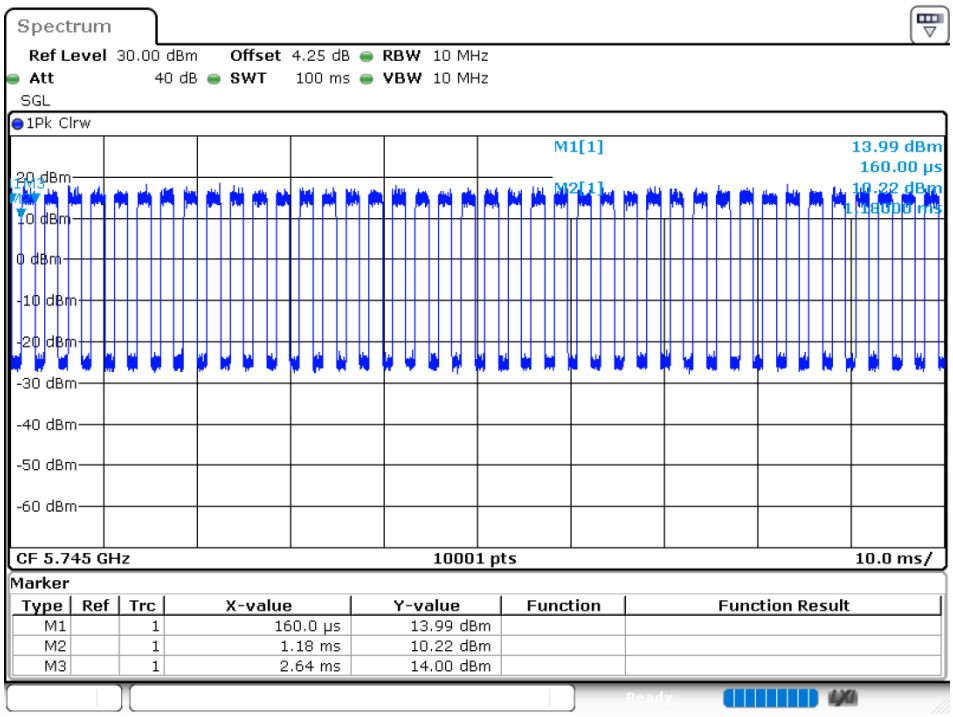
Duty Cycle NVNT ac40 5755MHz Ant1



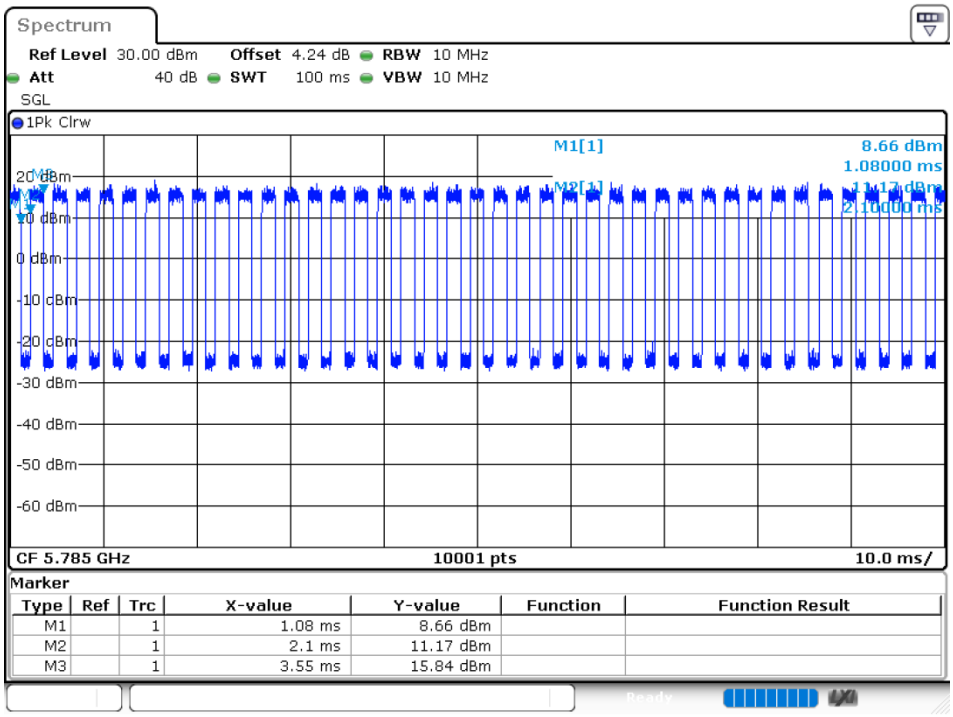
Duty Cycle NVNT ac40 5795MHz Ant1



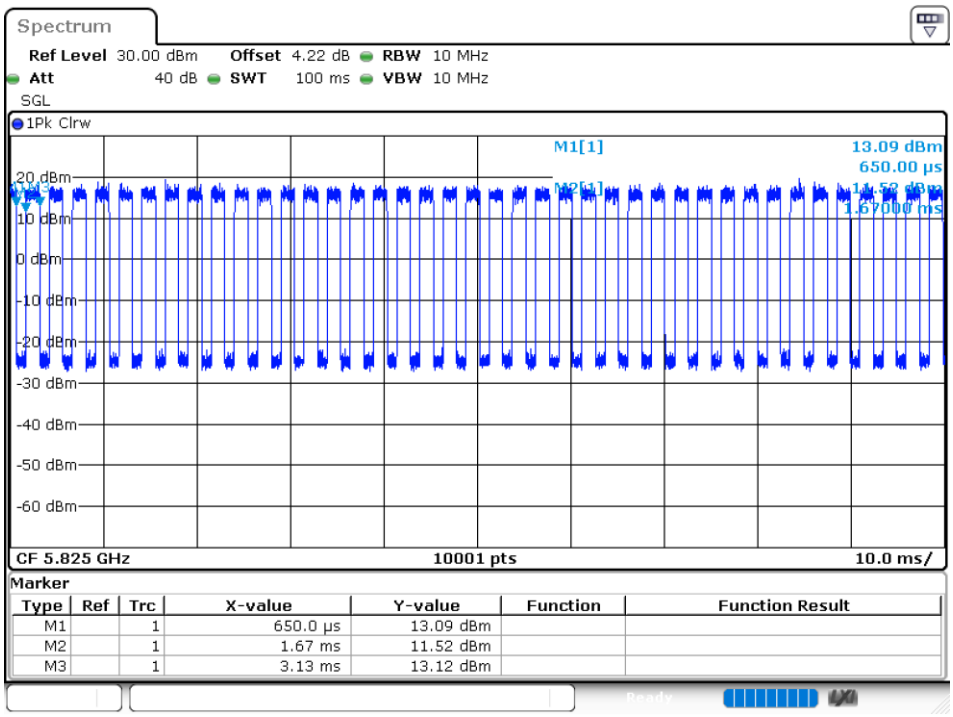
Duty Cycle NVNT ax20 5745MHz Ant1



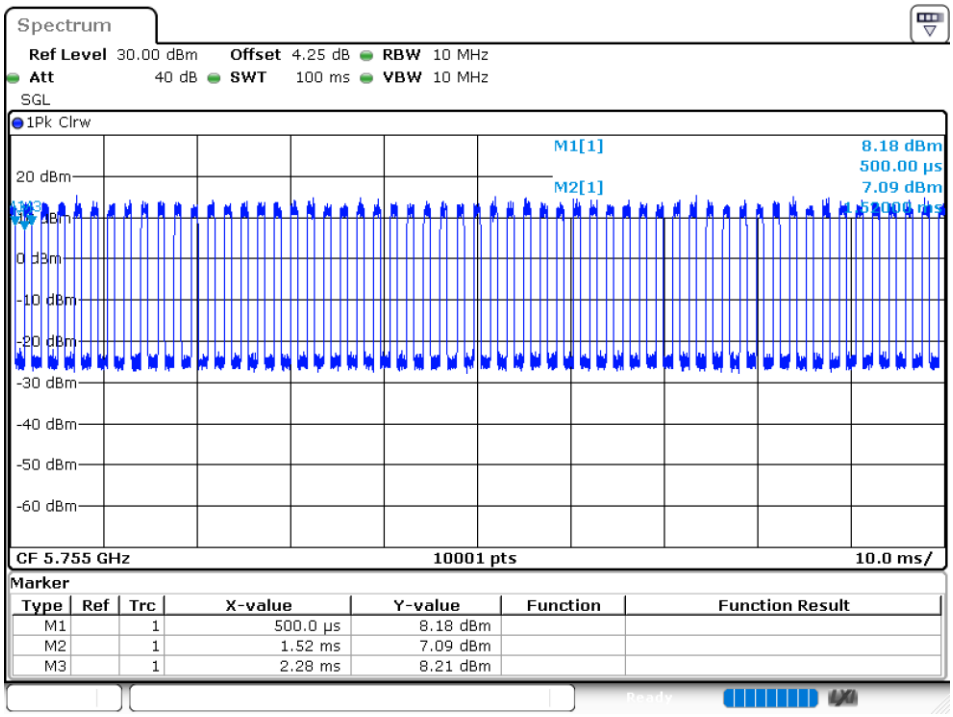
Duty Cycle NVNT ax20 5785MHz Ant1



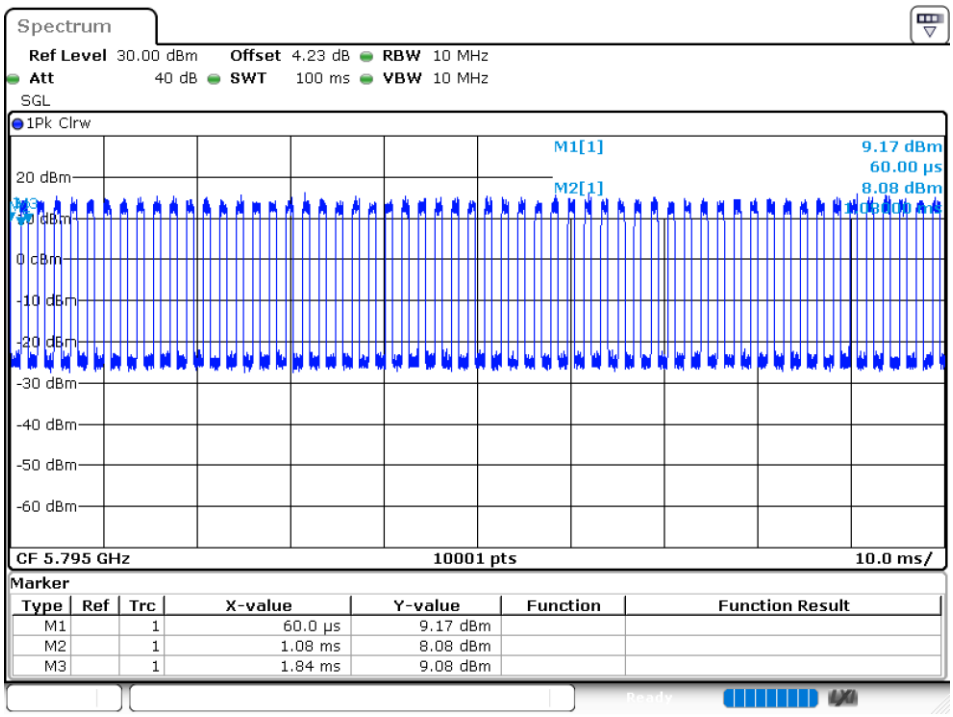
Duty Cycle NVNT ax20 5825MHz Ant1



Duty Cycle NVNT ax40 5755MHz Ant1



Duty Cycle NVNT ax40 5795MHz Ant1

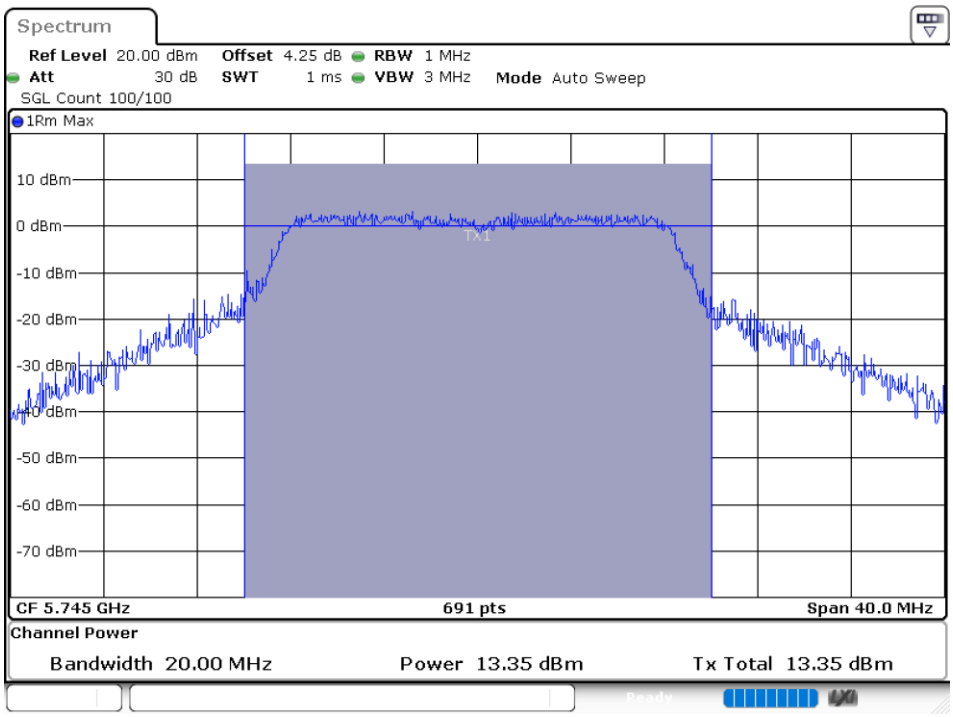


Maximum Conducted Output Power

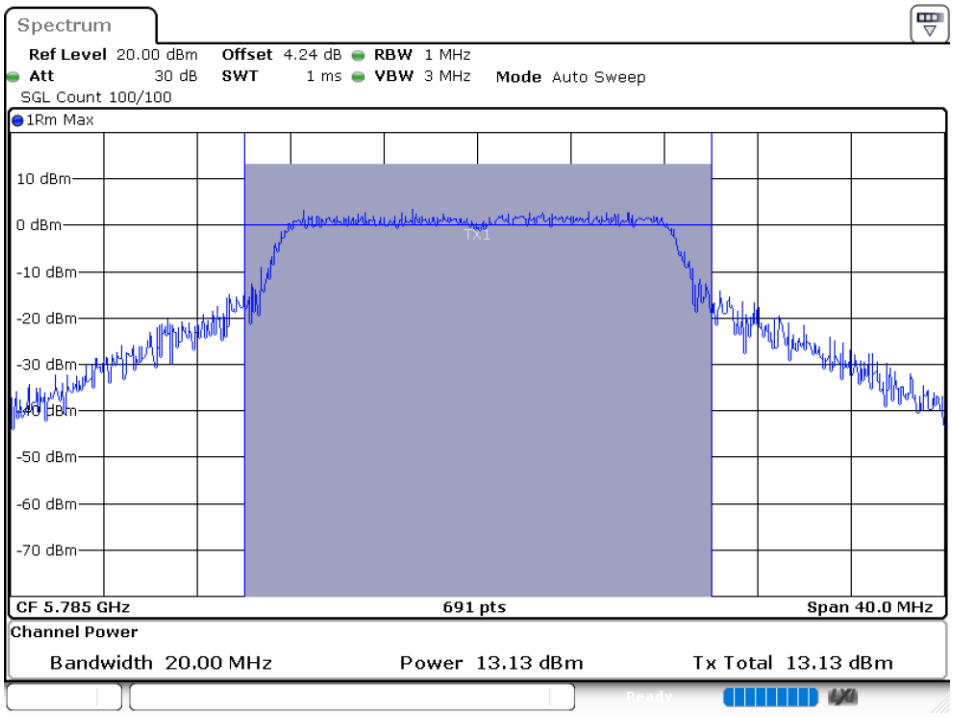
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	13.35	30	Pass
NVNT	a	5785	Ant1	13.13	30	Pass
NVNT	a	5825	Ant1	13.52	30	Pass
NVNT	n20	5745	Ant1	13.41	30	Pass
NVNT	n20	5785	Ant1	13.24	30	Pass
NVNT	n20	5825	Ant1	13.55	30	Pass
NVNT	n40	5755	Ant1	12.74	30	Pass
NVNT	n40	5795	Ant1	12.91	30	Pass
NVNT	ac20	5745	Ant1	13.35	30	Pass
NVNT	ac20	5785	Ant1	13.11	30	Pass
NVNT	ac20	5825	Ant1	13.56	30	Pass
NVNT	ac40	5755	Ant1	12.89	30	Pass
NVNT	ac40	5795	Ant1	13.07	30	Pass
NVNT	ax20	5745	Ant1	13.99	30	Pass
NVNT	ax20	5785	Ant1	13.85	30	Pass
NVNT	ax20	5825	Ant1	14.01	30	Pass
NVNT	ax40	5755	Ant1	12.96	30	Pass
NVNT	ax40	5795	Ant1	13.37	30	Pass

Test Graphs

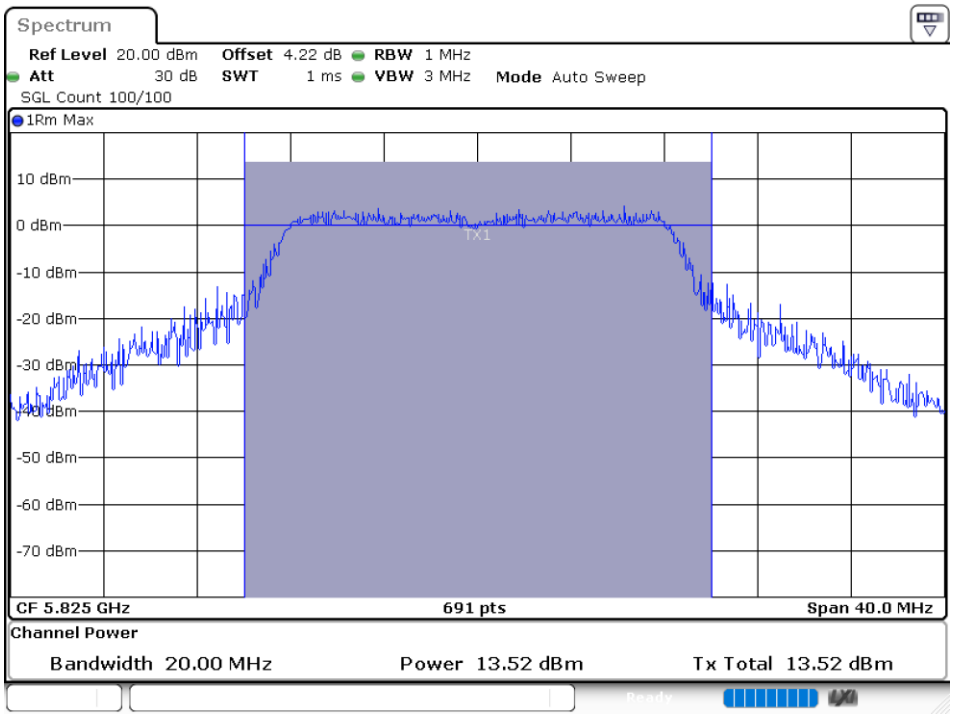
Power NVNT a 5745MHz Ant1



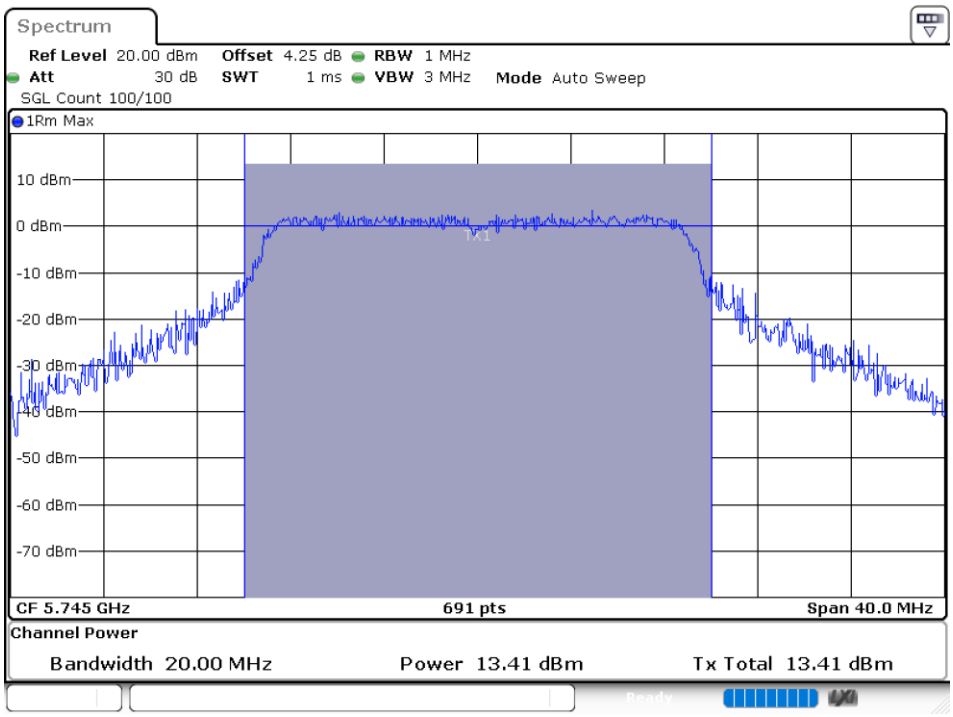
Power NVNT a 5785MHz Ant1



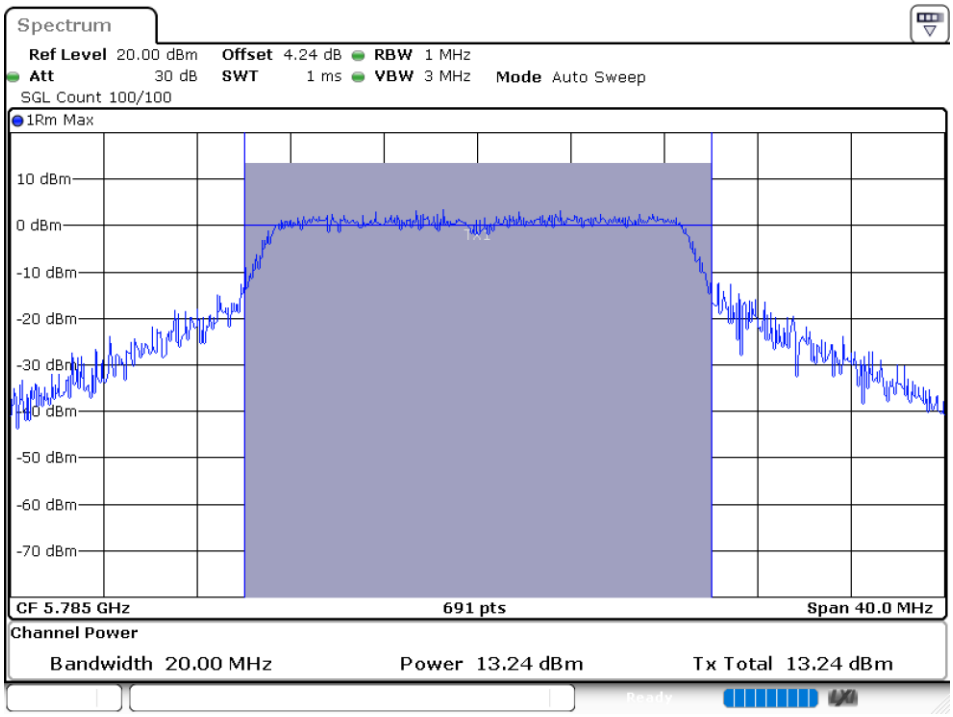
Power NVNT a 5825MHz Ant1



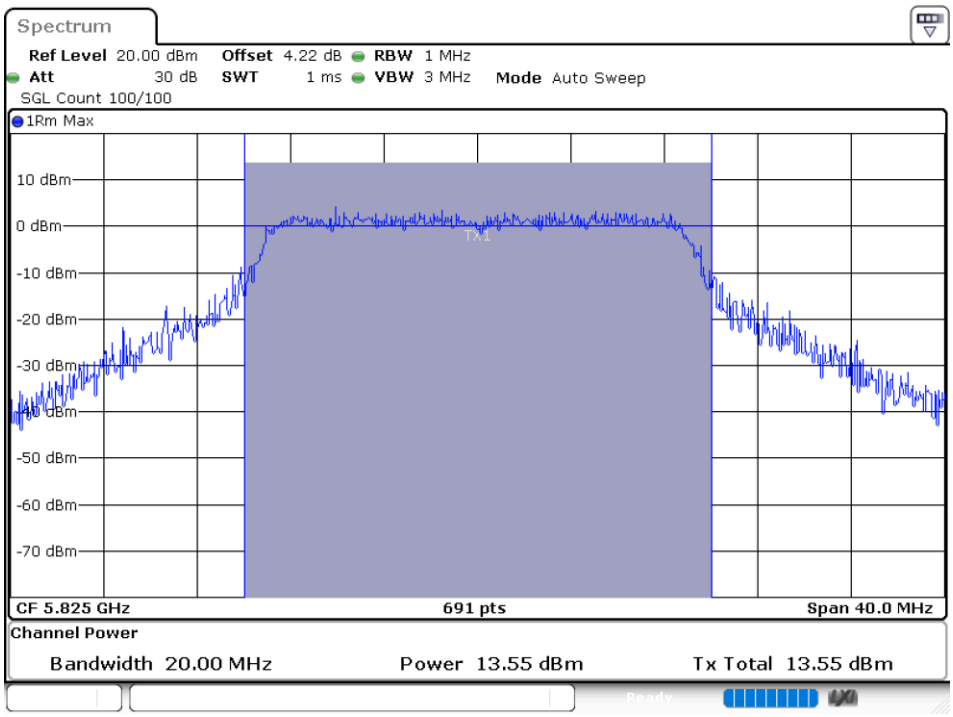
Power NVNT n20 5745MHz Ant1



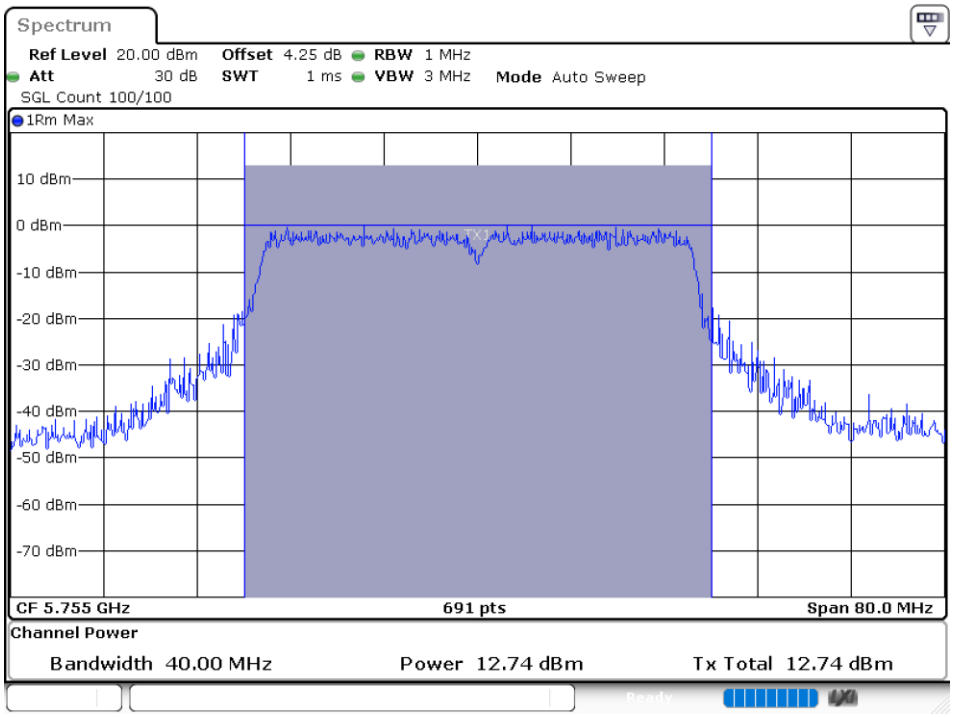
Power NVNT n20 5785MHz Ant1



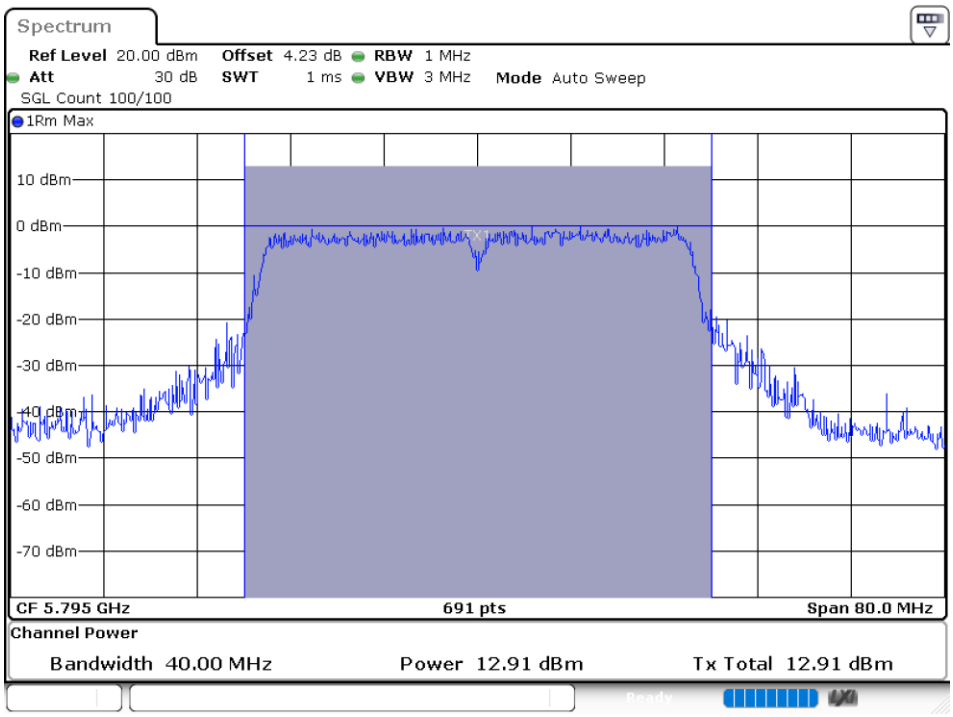
Power NVNT n20 5825MHz Ant1



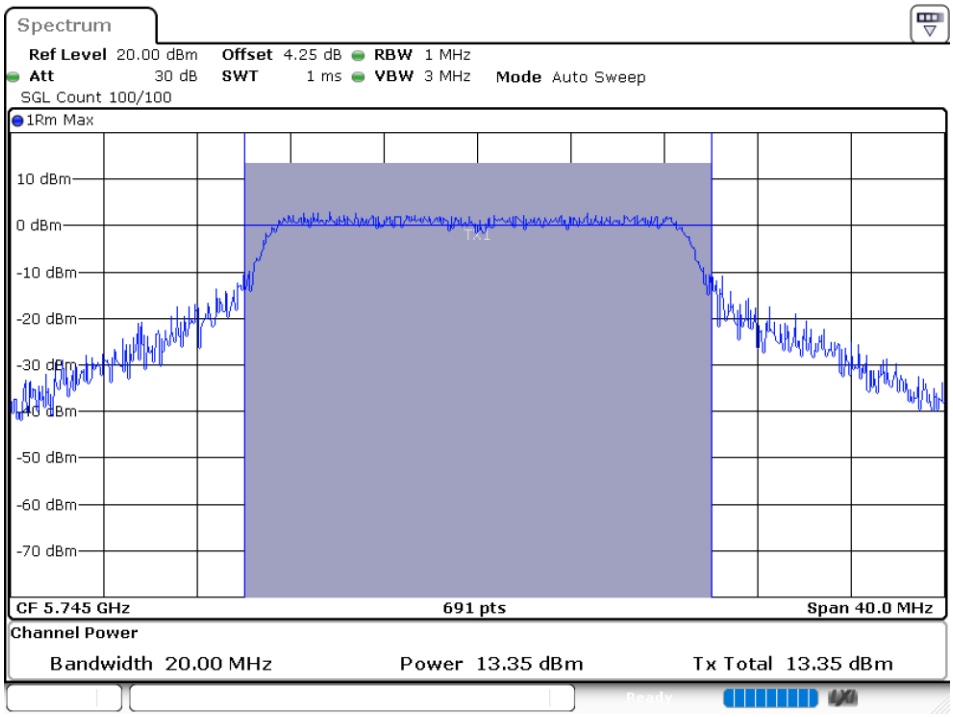
Power NVNT n40 5755MHz Ant1



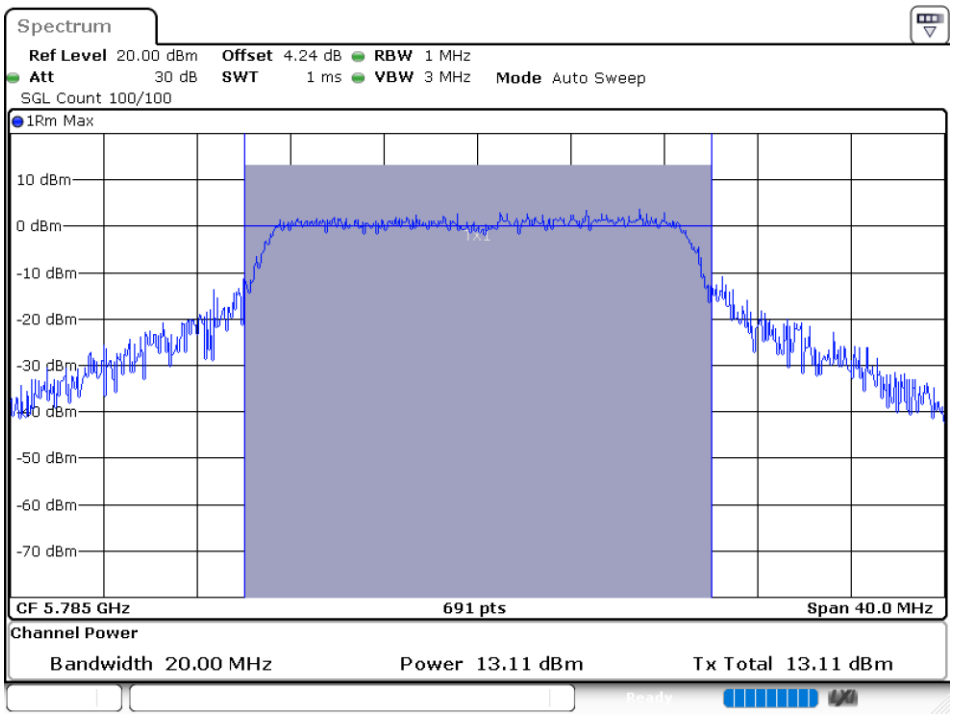
Power NVNT n40 5795MHz Ant1



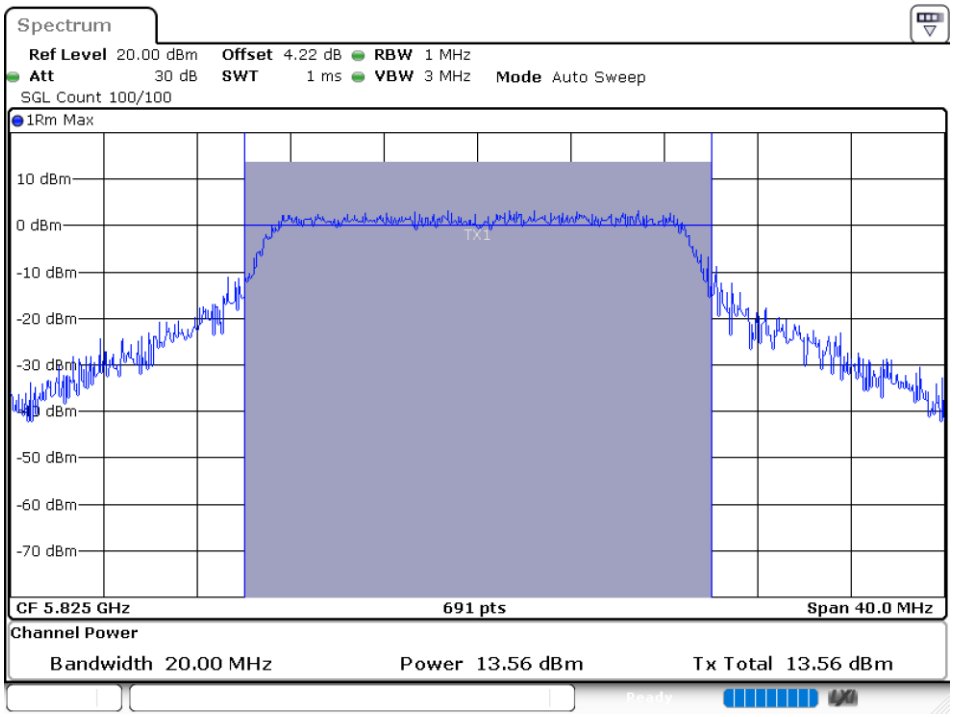
Power NVNT ac20 5745MHz Ant1



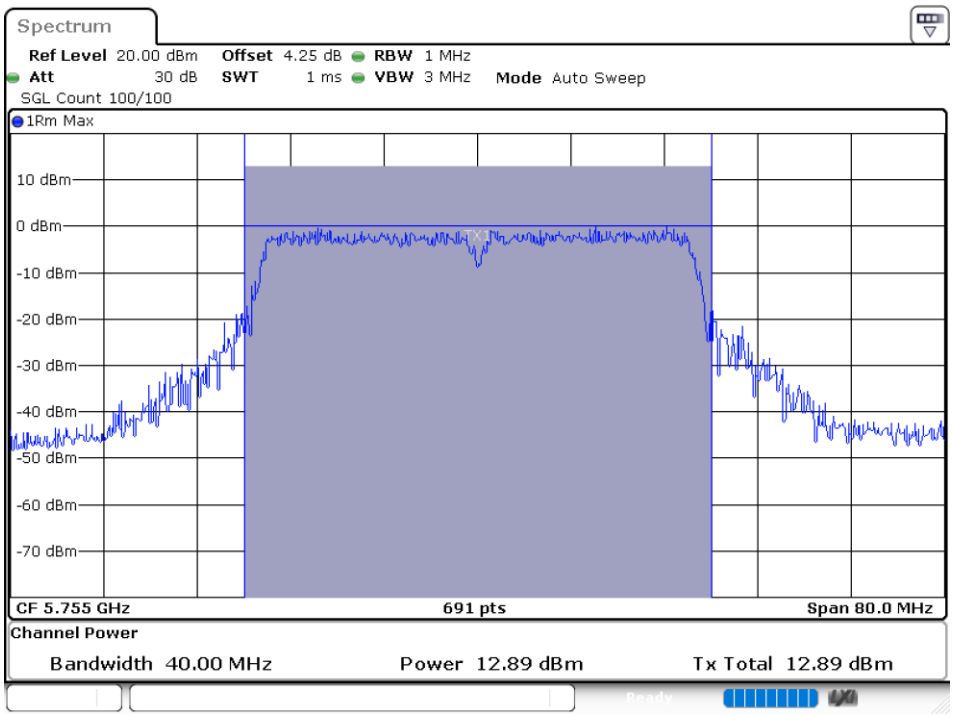
Power NVNT ac20 5785MHz Ant1



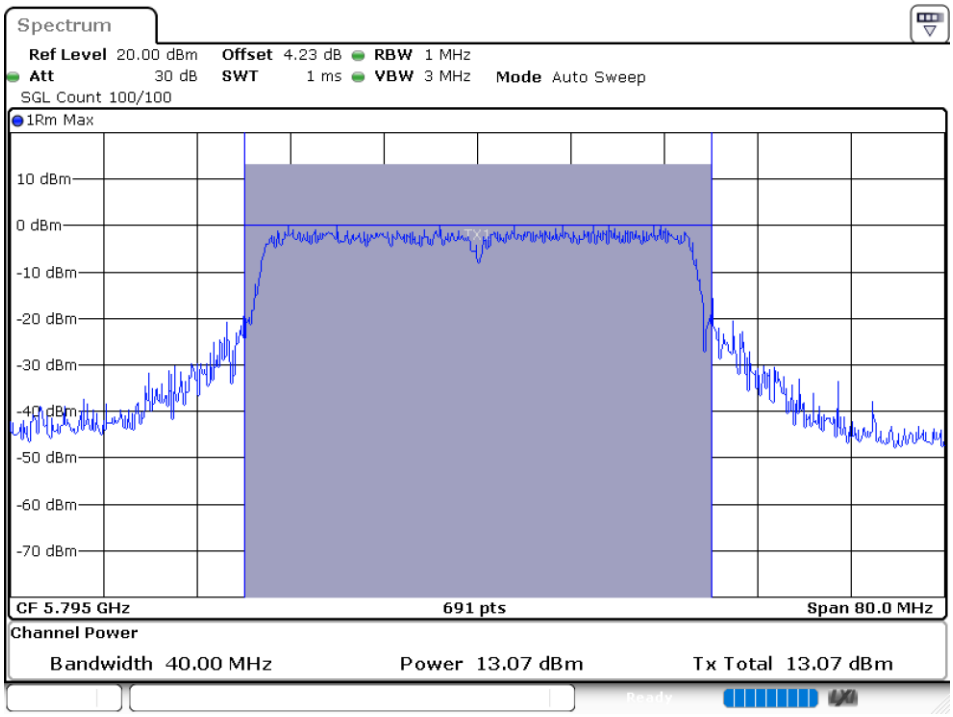
Power NVNT ac20 5825MHz Ant1



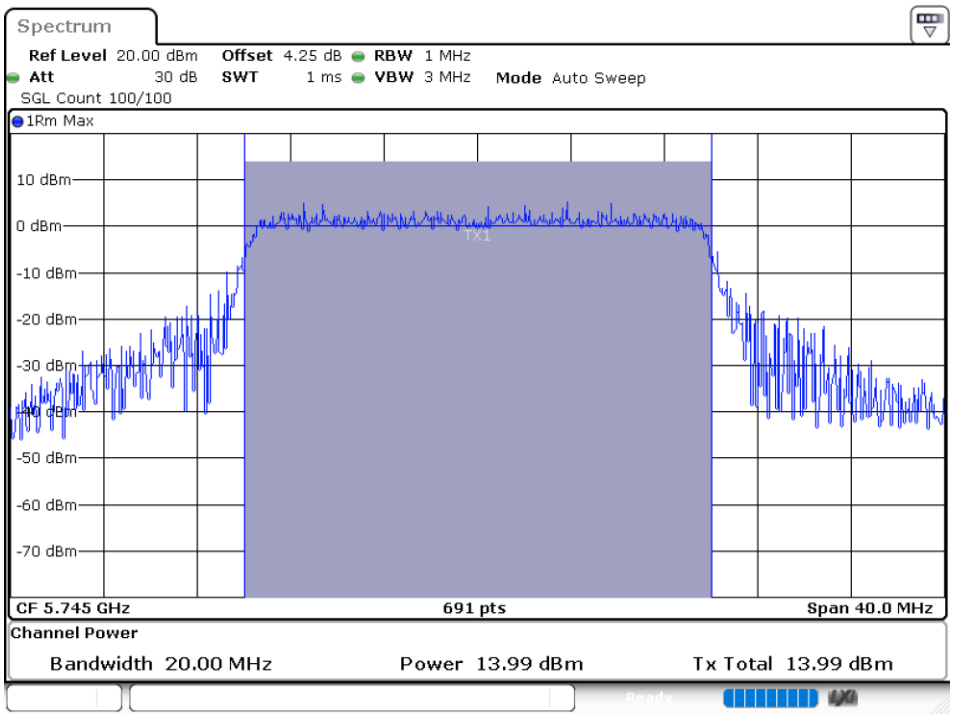
Power NVNT ac40 5755MHz Ant1



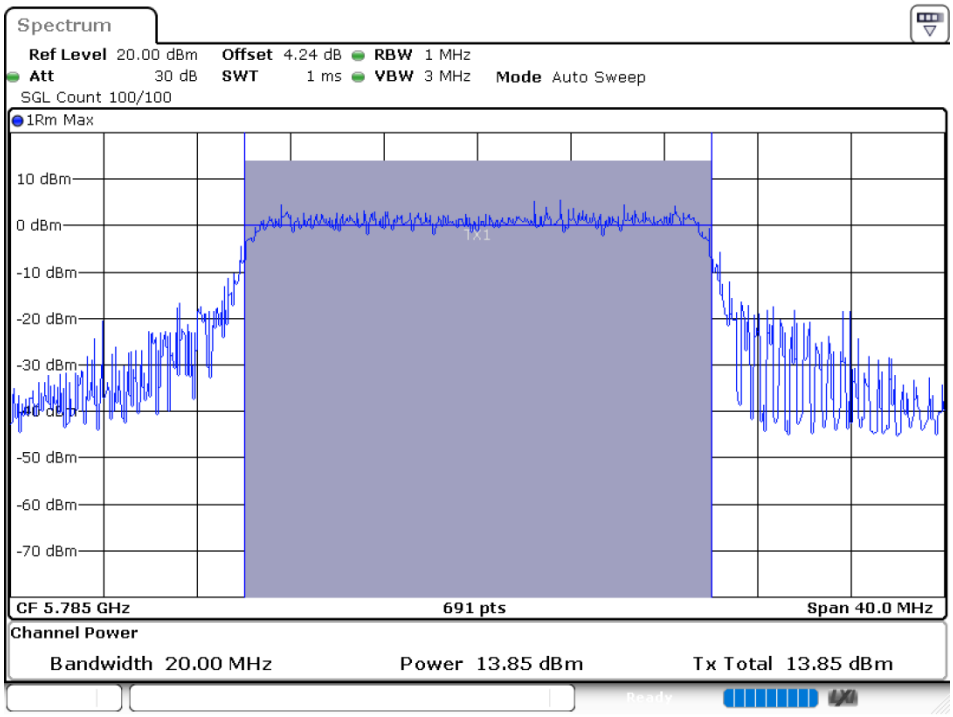
Power NVNT ac40 5795MHz Ant1



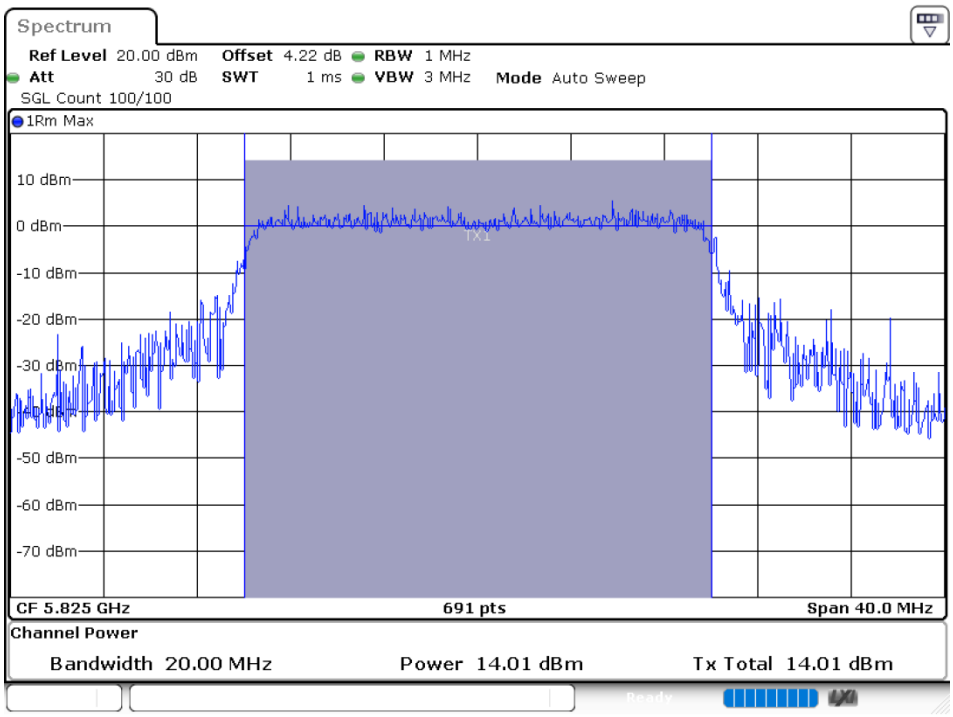
Power NVNT ax20 5745MHz Ant1



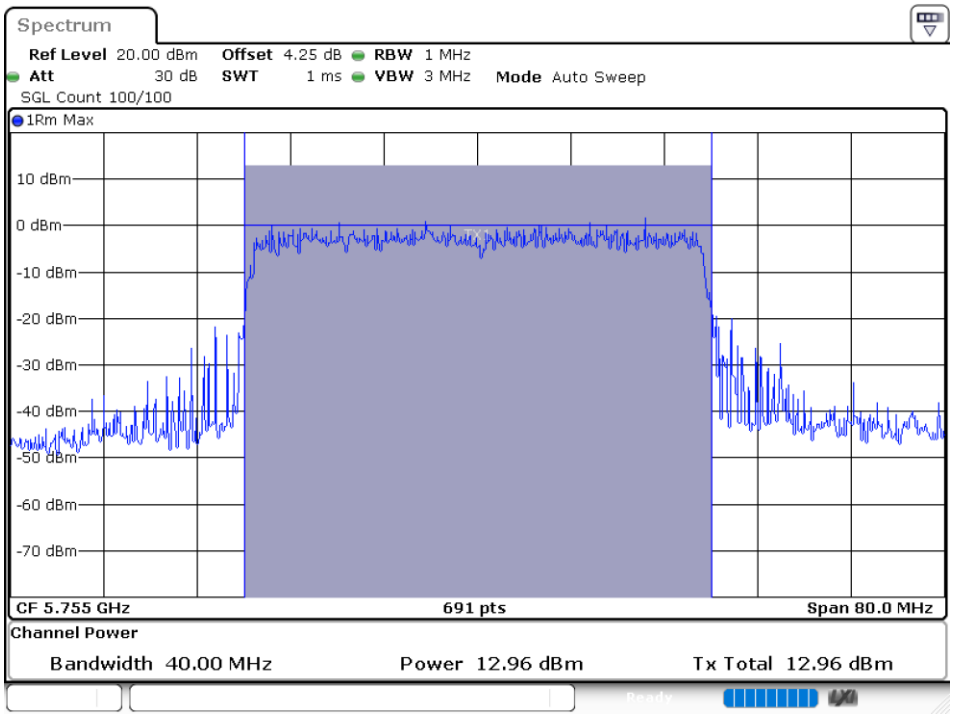
Power NVNT ax20 5785MHz Ant1



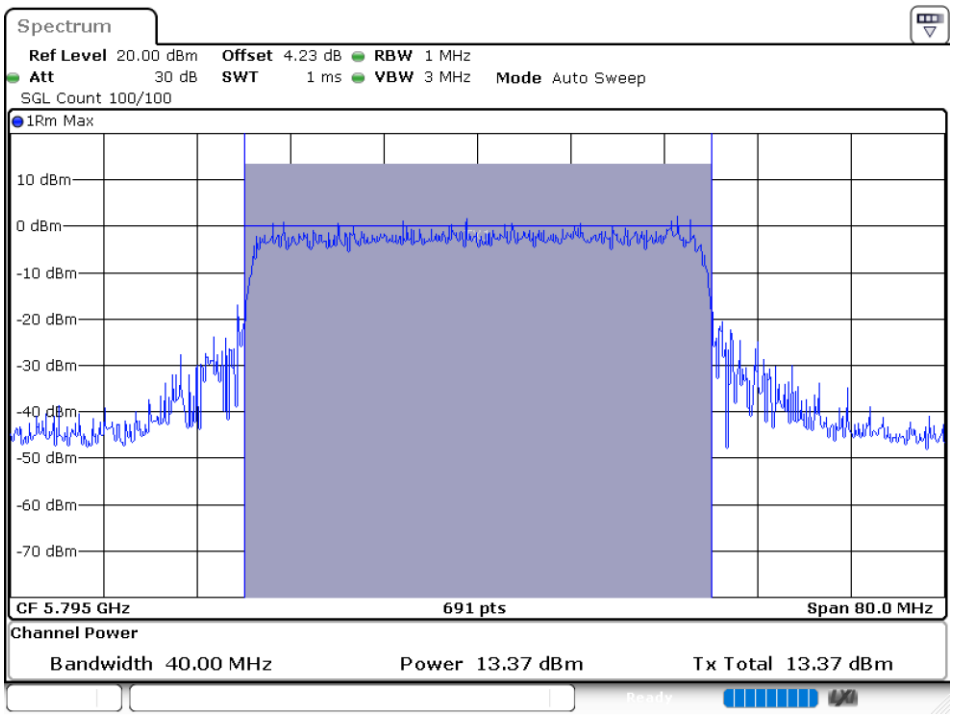
Power NVNT ax20 5825MHz Ant1



Power NVNT ax40 5755MHz Ant1



Power NVNT ax40 5795MHz Ant1

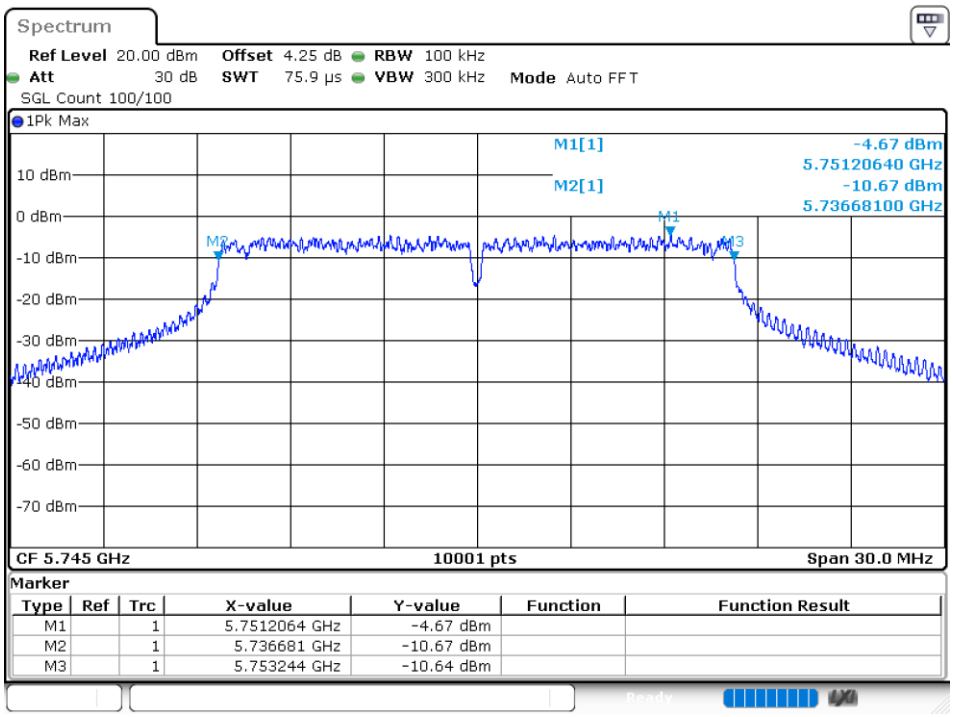


-6dB Bandwidth

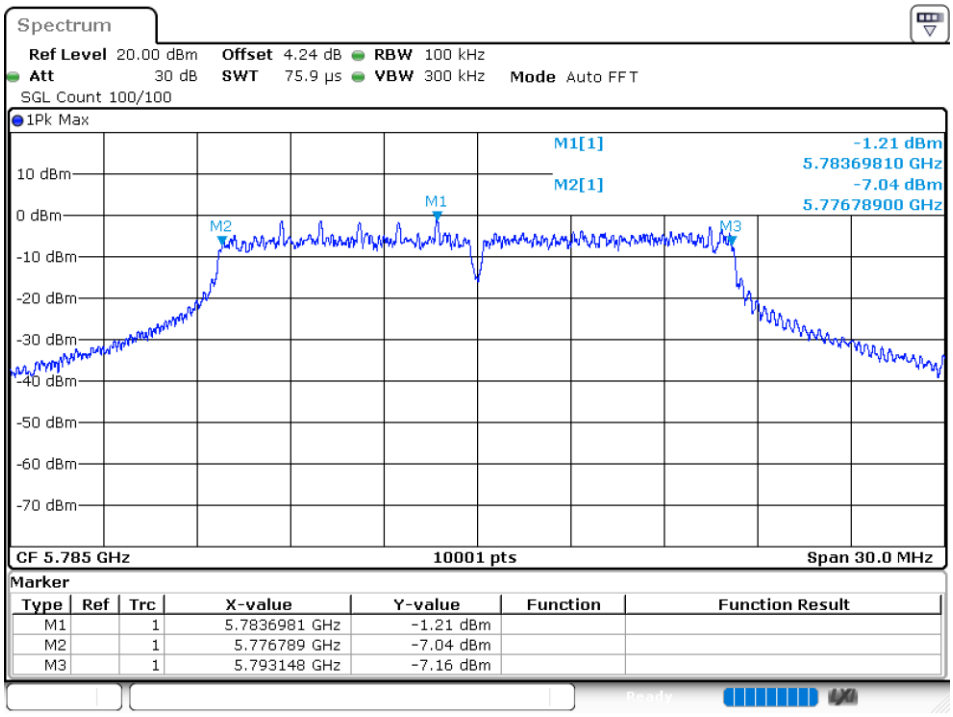
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.563	0.5	Pass
NVNT	a	5785	Ant1	16.359	0.5	Pass
NVNT	a	5825	Ant1	16.569	0.5	Pass
NVNT	n20	5745	Ant1	17.811	0.5	Pass
NVNT	n20	5785	Ant1	17.799	0.5	Pass
NVNT	n20	5825	Ant1	17.739	0.5	Pass
NVNT	n40	5755	Ant1	36.342	0.5	Pass
NVNT	n40	5795	Ant1	36.42	0.5	Pass
NVNT	ac20	5745	Ant1	17.835	0.5	Pass
NVNT	ac20	5785	Ant1	17.805	0.5	Pass
NVNT	ac20	5825	Ant1	17.688	0.5	Pass
NVNT	ac40	5755	Ant1	36.33	0.5	Pass
NVNT	ac40	5795	Ant1	36.324	0.5	Pass
NVNT	ax20	5745	Ant1	19.098	0.5	Pass
NVNT	ax20	5785	Ant1	19.065	0.5	Pass
NVNT	ax20	5825	Ant1	19.086	0.5	Pass
NVNT	ax40	5755	Ant1	37.776	0.5	Pass
NVNT	ax40	5795	Ant1	38.136	0.5	Pass

Test Graphs

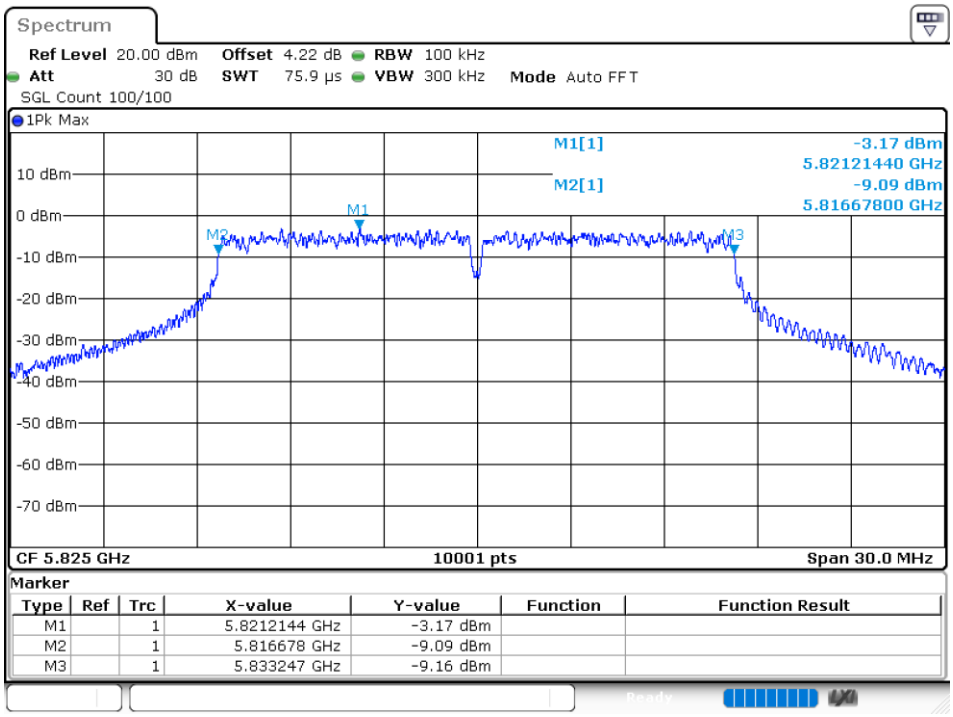
-6dB Bandwidth NVNT a 5745MHz Ant1



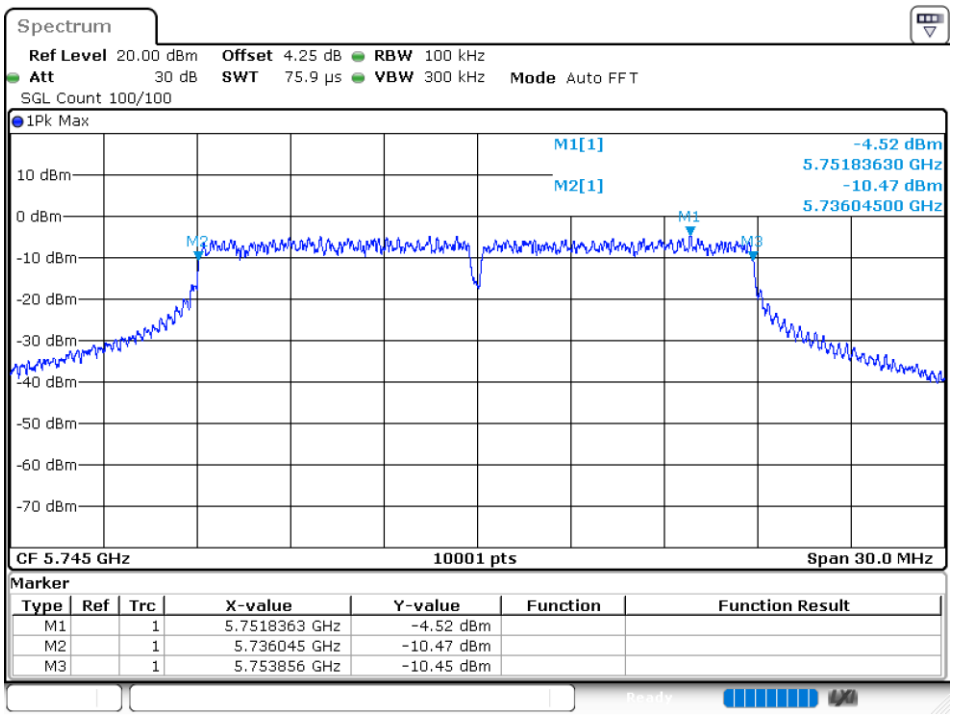
-6dB Bandwidth NVNT a 5785MHz Ant1



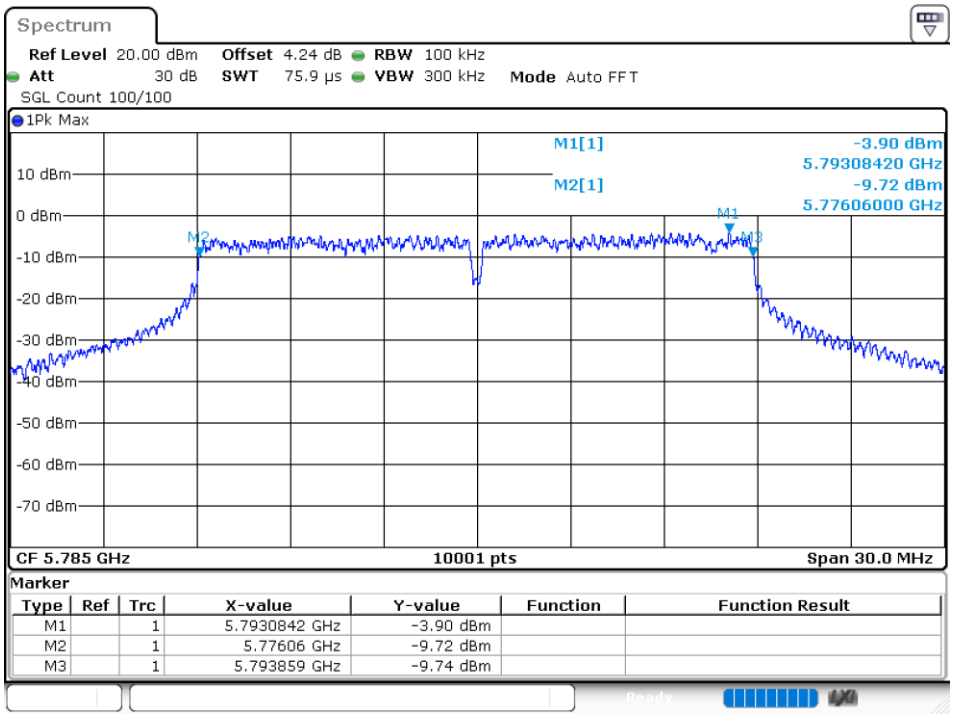
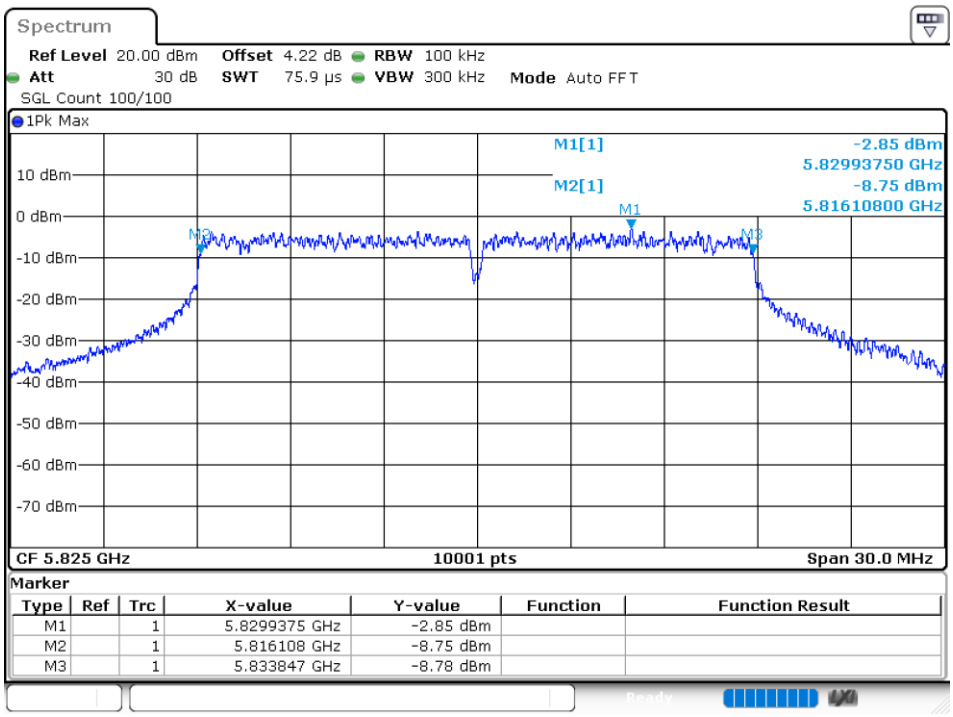
-6dB Bandwidth NVNT a 5825MHz Ant1



-6dB Bandwidth NVNT n20 5745MHz Ant1



-6dB Bandwidth NVNT n20 5785MHz Ant1



-6dB Bandwidth NVNT n20 5825MHz Ant1