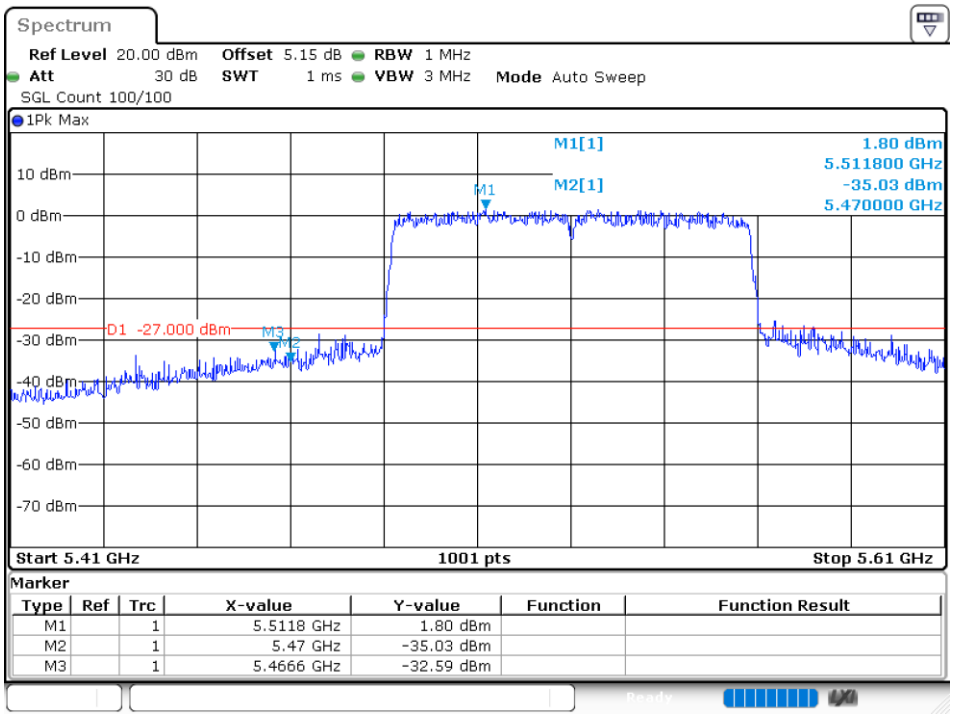
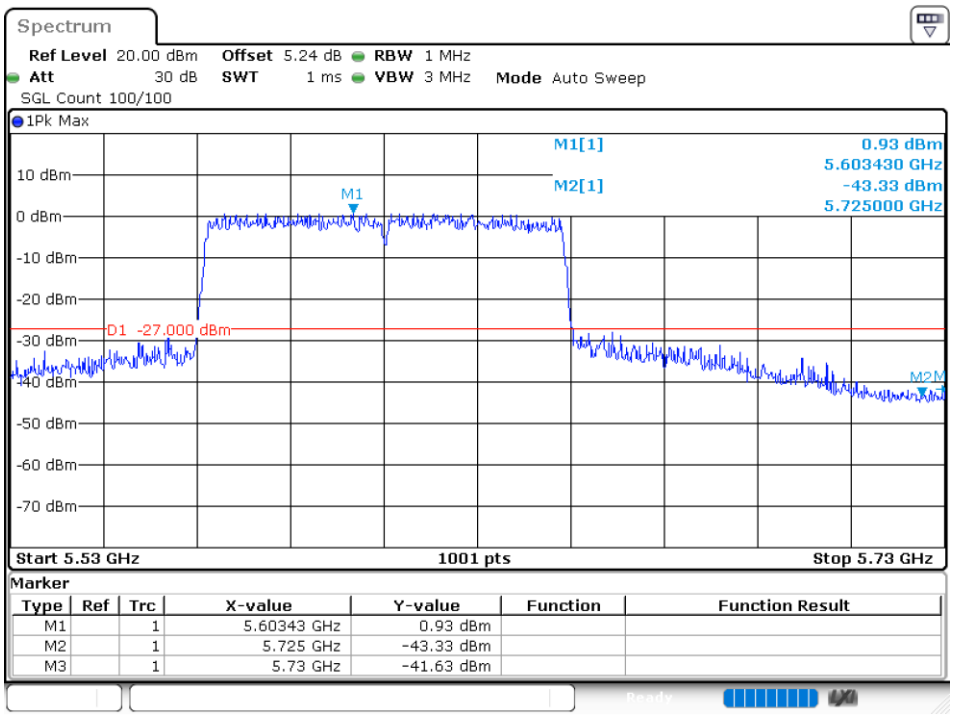
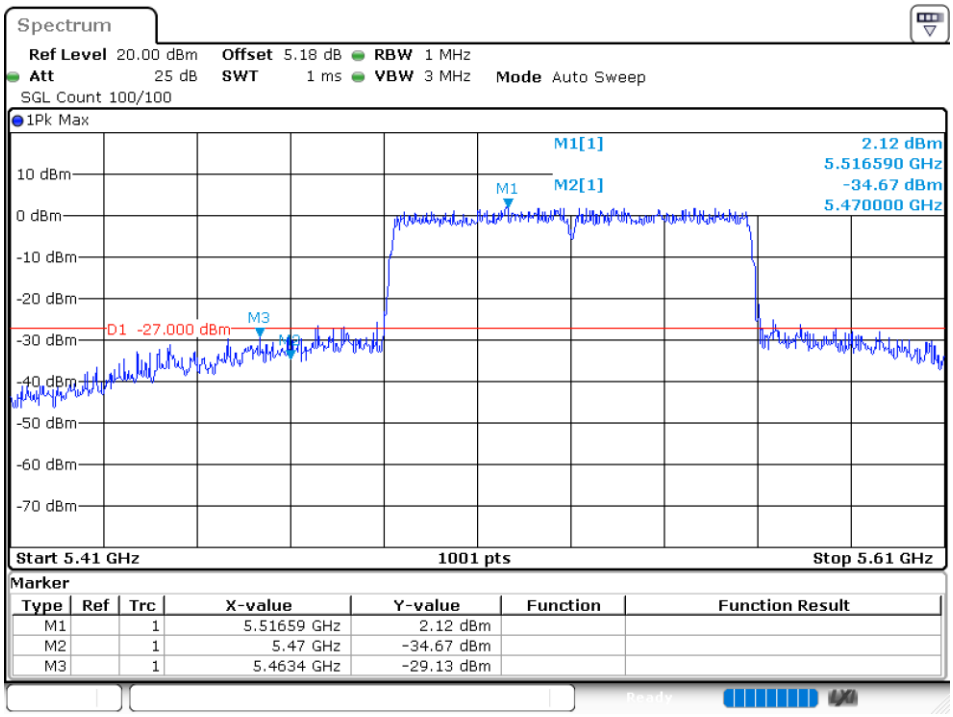
Band Edge NVNT ac80 5530MHz Low Ant1



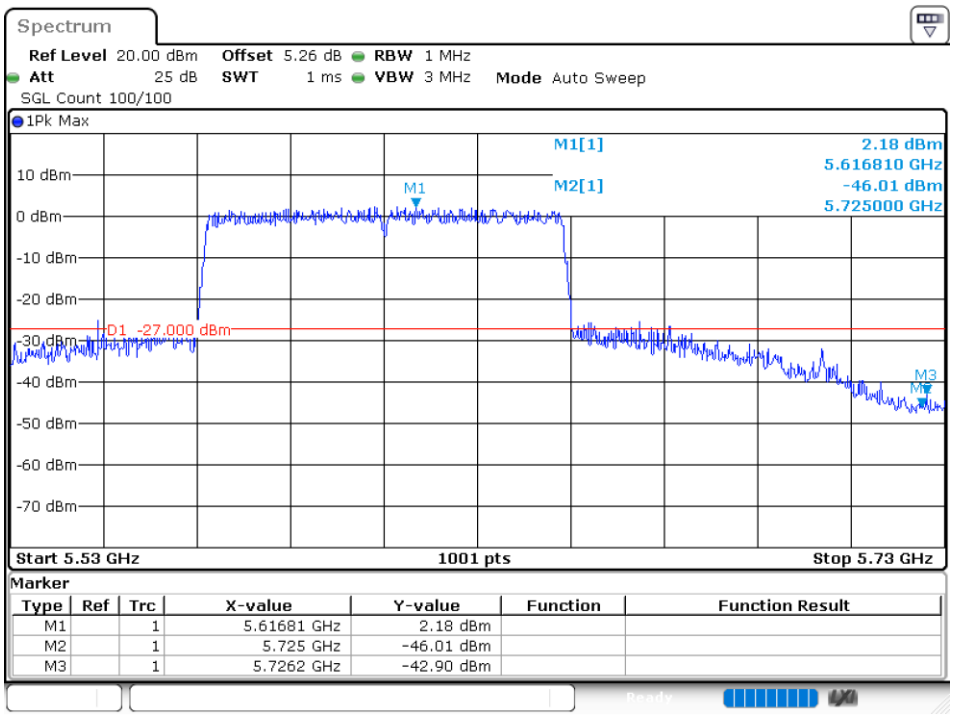
Band Edge NVNT ac80 5610MHz High Ant1



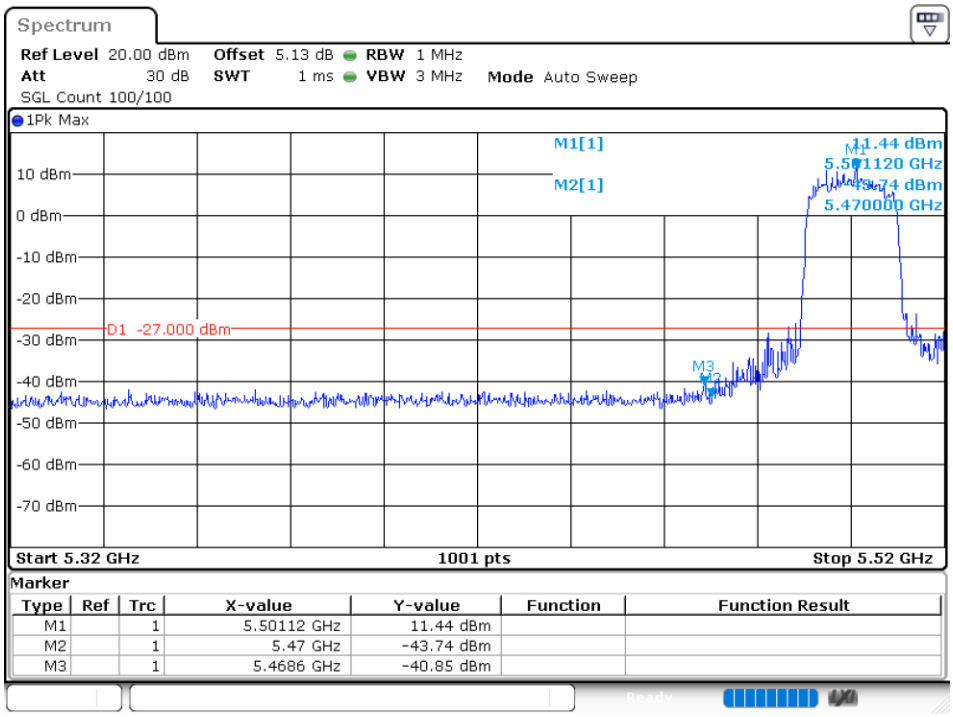
Band Edge NVNT ac80 5530MHz Low Ant2



Band Edge NVNT ac80 5610MHz High Ant2



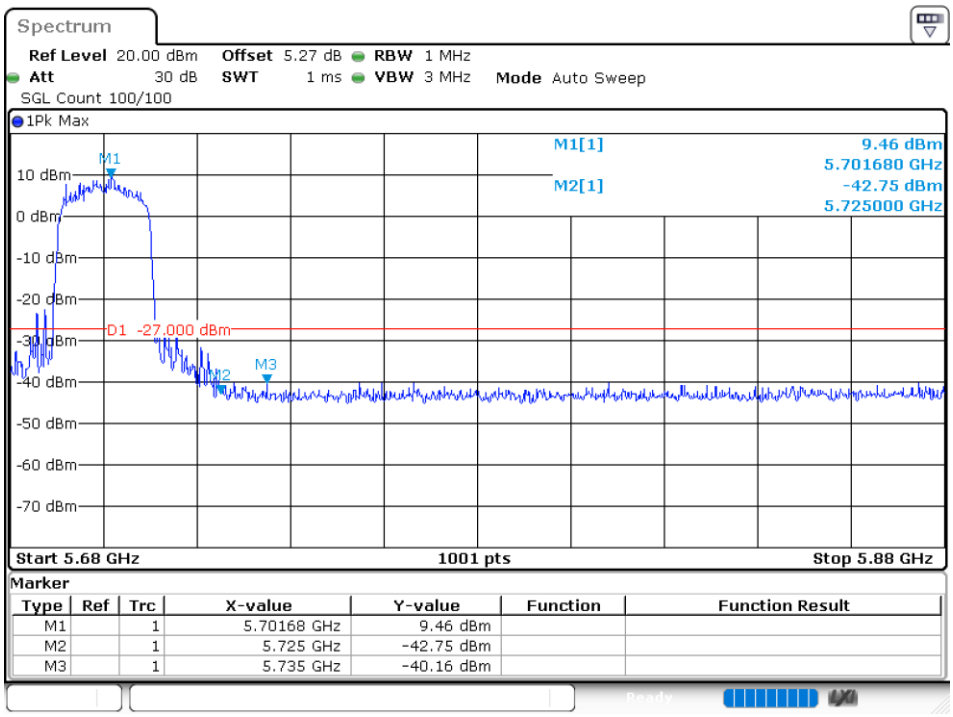
Band Edge NVNT ax20 5500MHz Low Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.50112 GHz	11.44 dBm		
M2		1	5.47 GHz	-43.74 dBm		
M3		1	5.4686 GHz	-40.85 dBm		

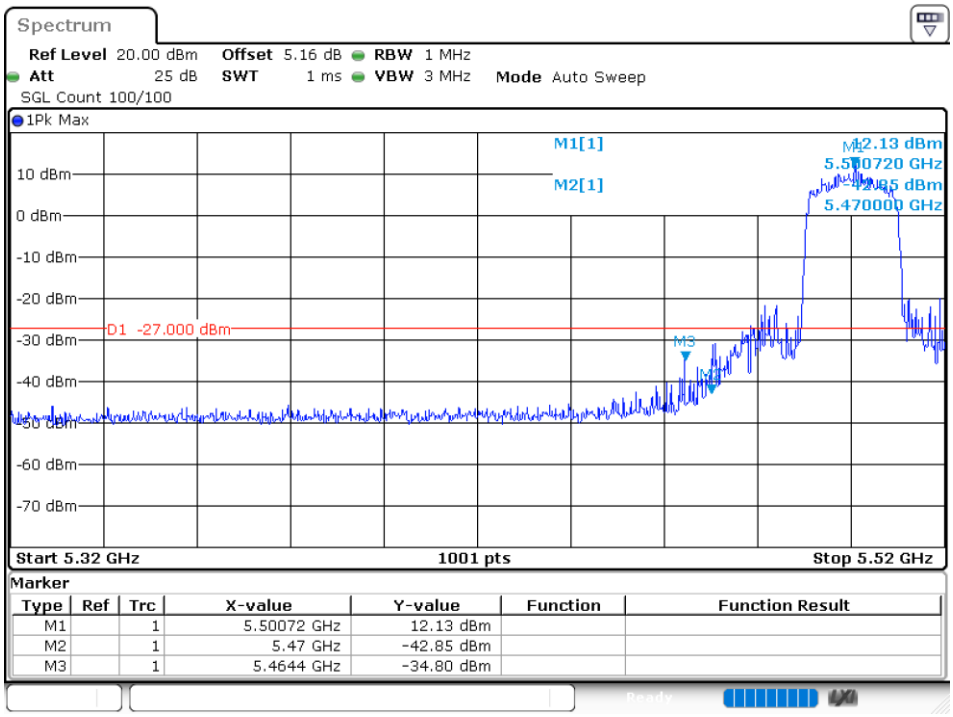
Band Edge NVNT ax20 5700MHz High Ant1



Marker

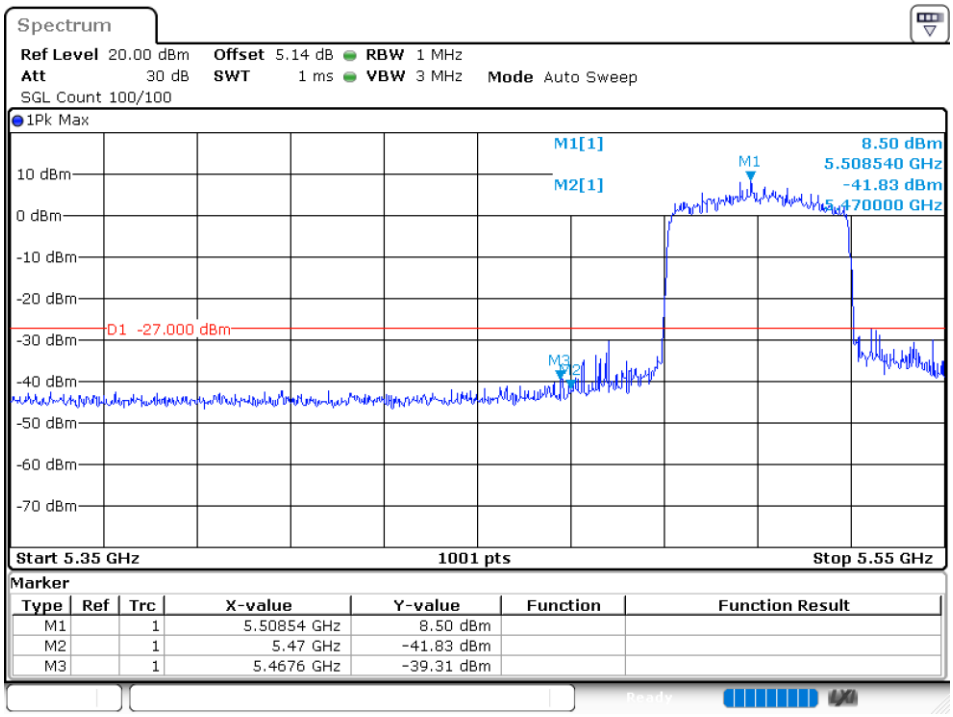
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.70168 GHz	9.46 dBm		
M2		1	5.725 GHz	-42.75 dBm		
M3		1	5.735 GHz	-40.16 dBm		

Band Edge NVNT ax20 5500MHz Low Ant2



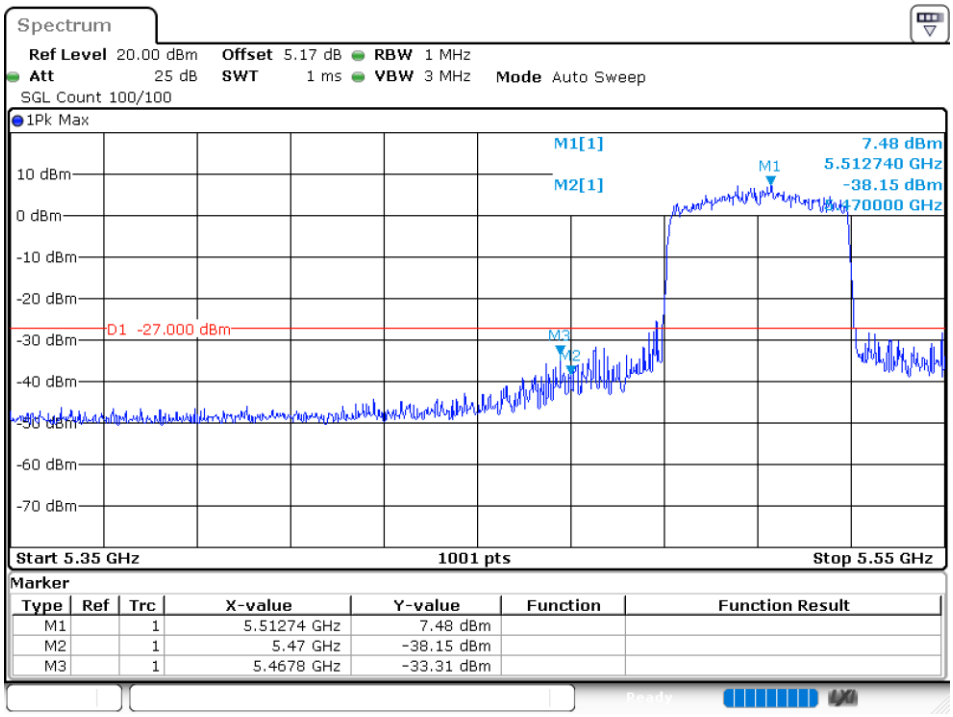
Band Edge NVNT ax20 5700MHz High Ant2

Band Edge NVNT ax40 5510MHz Low Ant1

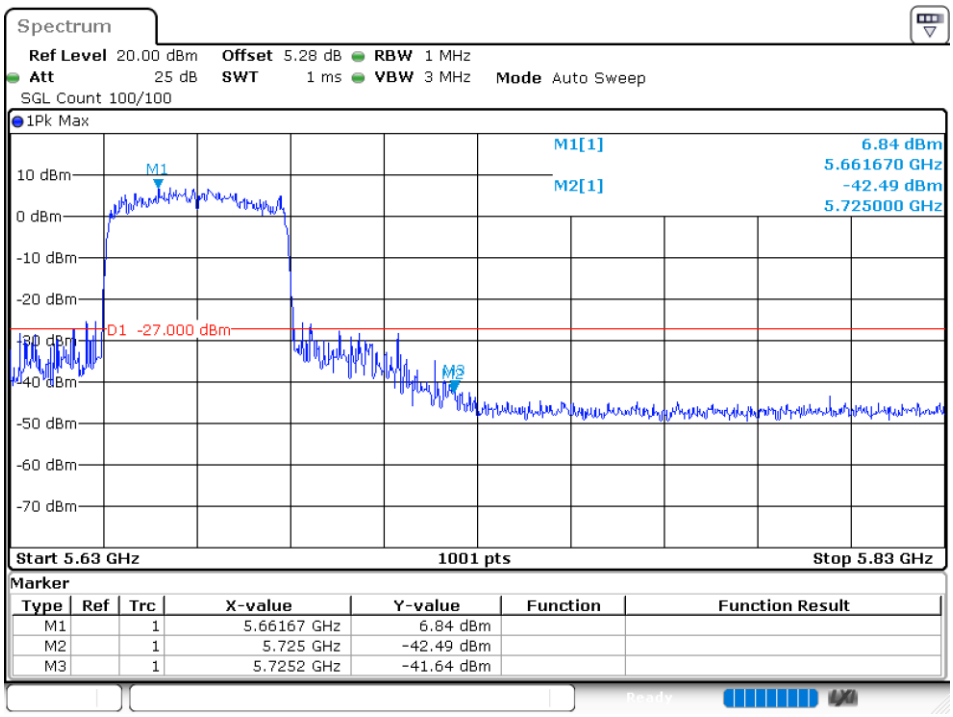


Band Edge NVNT ax40 5670MHz High Ant1

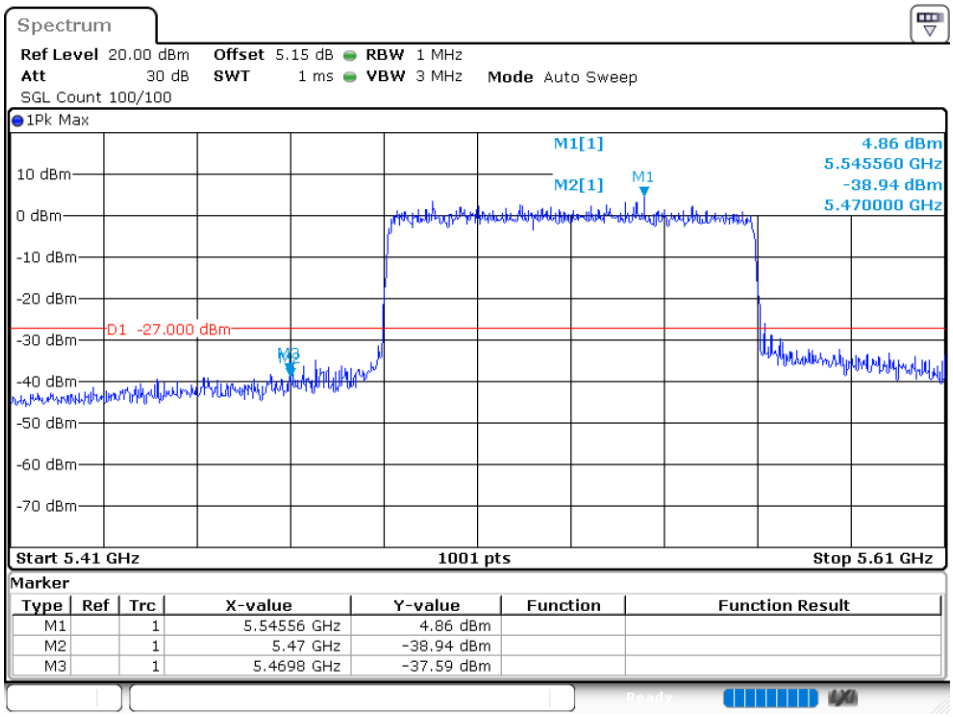
Band Edge NVNT ax40 5510MHz Low Ant2



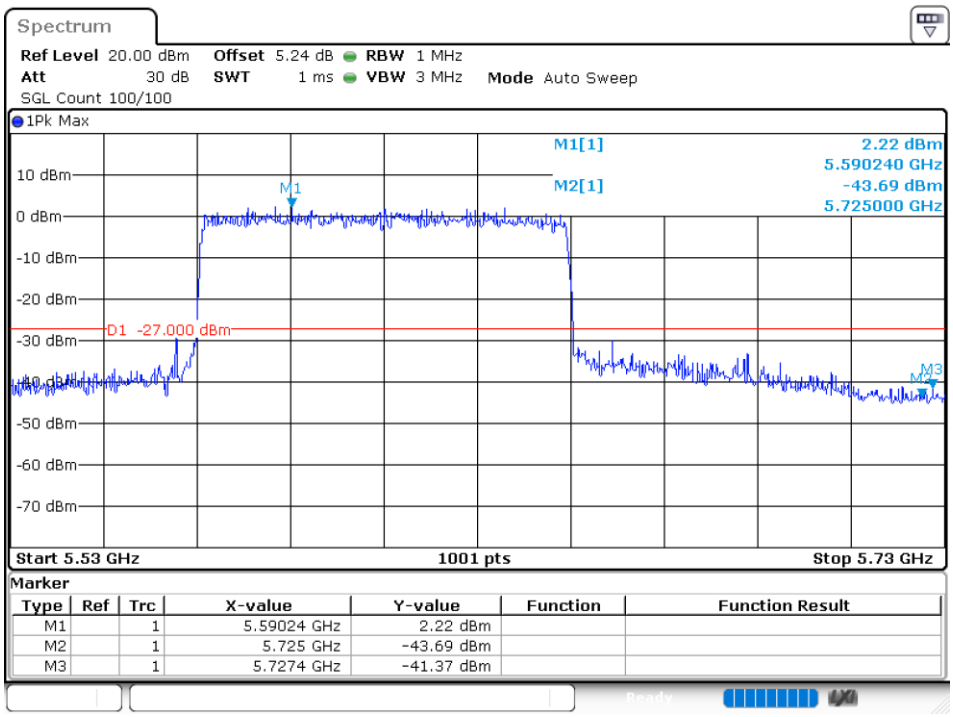
Band Edge NVNT ax40 5670MHz High Ant2



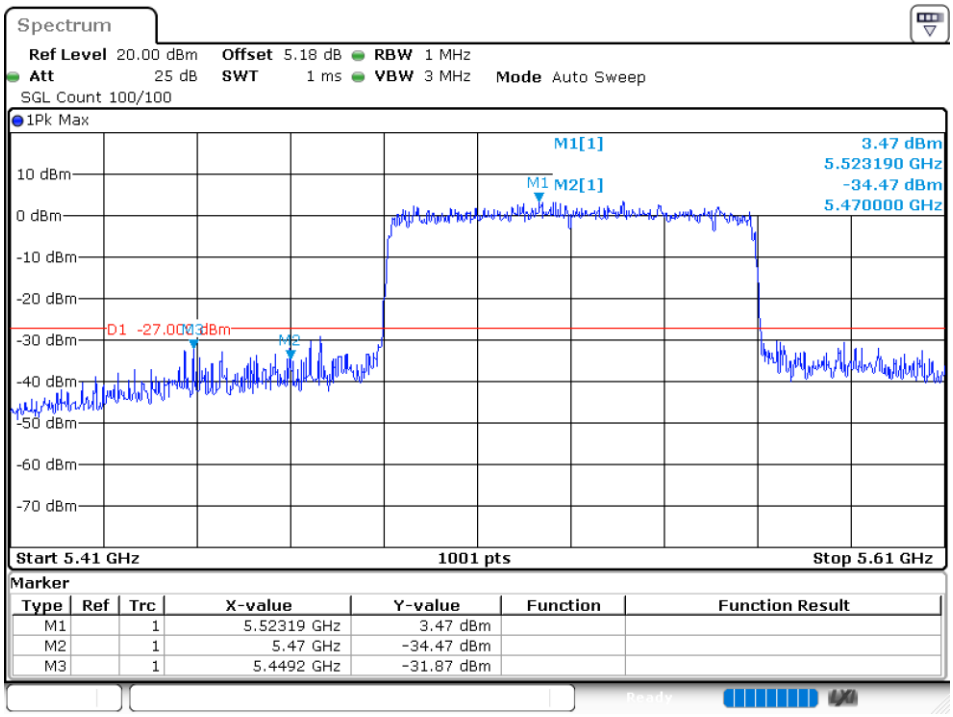
Band Edge NVNT ax80 5530MHz Low Ant1



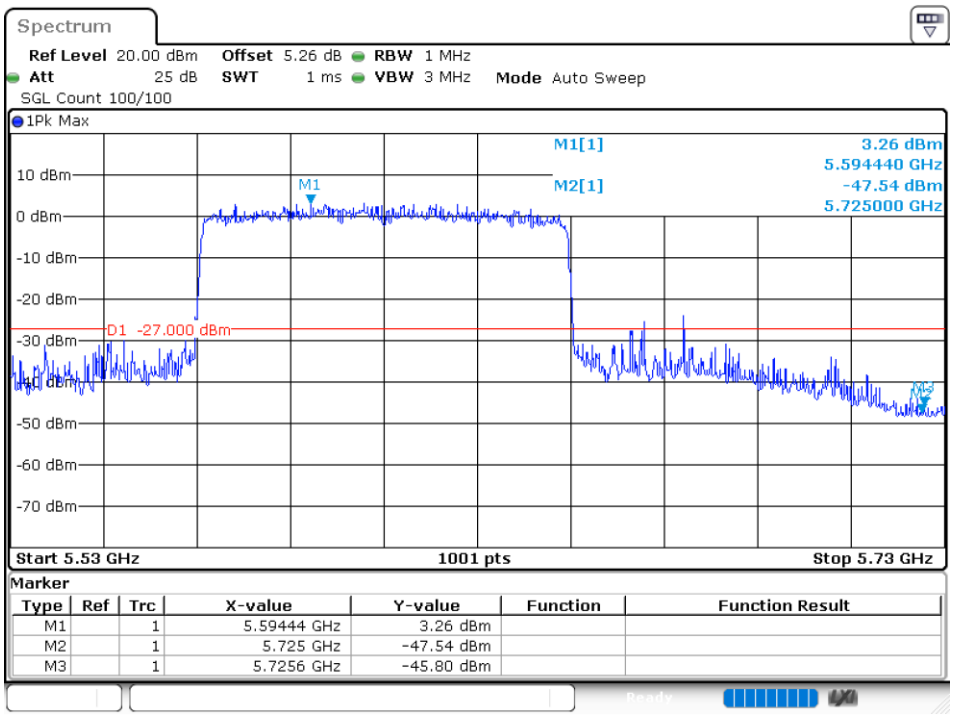
Band Edge NVNT ax80 5610MHz High Ant1



Band Edge NVNT ax80 5530MHz Low Ant2



Band Edge NVNT ax80 5610MHz High Ant2



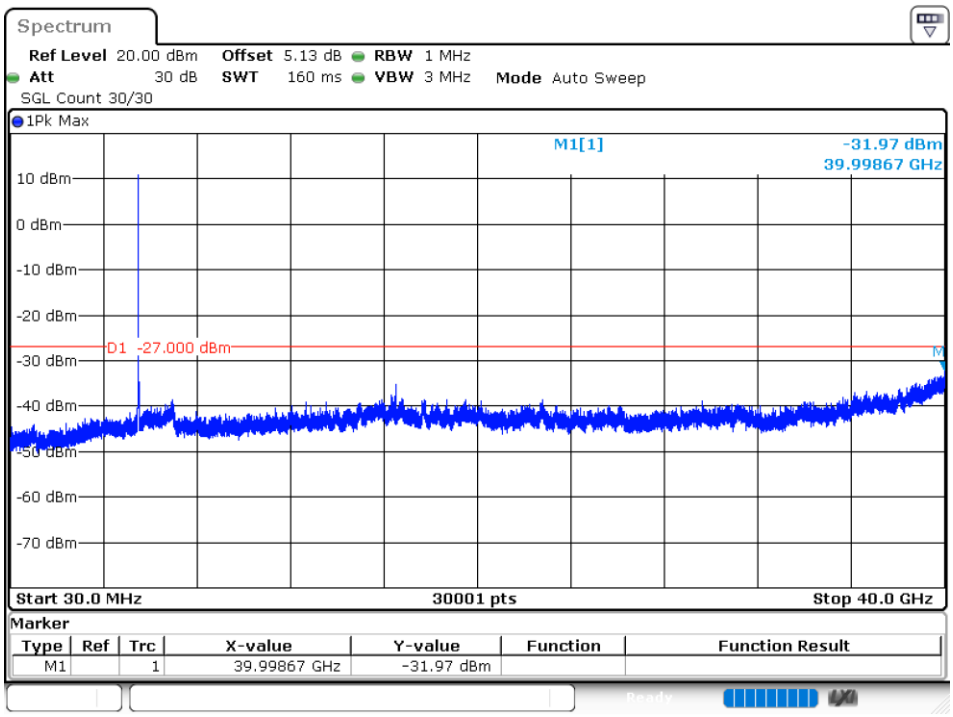
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5500	Ant1	-31.97	-27	Pass
NVNT	a	5600	Ant1	-32.94	-27	Pass
NVNT	a	5700	Ant1	-33.03	-27	Pass
NVNT	a	5500	Ant2	-33.53	-27	Pass
NVNT	a	5600	Ant2	-32.39	-27	Pass
NVNT	a	5700	Ant2	-32.23	-27	Pass
NVNT	n20	5500	Ant1	-33.43	-27	Pass
NVNT	n20	5600	Ant1	-32.92	-27	Pass
NVNT	n20	5700	Ant1	-33.86	-27	Pass
NVNT	n20	5500	Ant2	-41.47	-27	Pass
NVNT	n20	5600	Ant2	-39.7	-27	Pass
NVNT	n20	5700	Ant2	-41.6	-27	Pass
NVNT	n40	5510	Ant1	-33.21	-27	Pass
NVNT	n40	5590	Ant1	-33.39	-27	Pass
NVNT	n40	5670	Ant1	-32.34	-27	Pass
NVNT	n40	5510	Ant2	-35.3	-27	Pass
NVNT	n40	5590	Ant2	-41.69	-27	Pass
NVNT	n40	5670	Ant2	-40.8	-27	Pass
NVNT	ac20	5500	Ant1	-33.27	-27	Pass
NVNT	ac20	5600	Ant1	-32.93	-27	Pass
NVNT	ac20	5700	Ant1	-32.66	-27	Pass
NVNT	ac20	5500	Ant2	-34.82	-27	Pass
NVNT	ac20	5600	Ant2	-39.24	-27	Pass
NVNT	ac20	5700	Ant2	-40.14	-27	Pass
NVNT	ac40	5510	Ant1	-33.36	-27	Pass
NVNT	ac40	5590	Ant1	-32.16	-27	Pass
NVNT	ac40	5670	Ant1	-31.65	-27	Pass
NVNT	ac40	5510	Ant2	-41.55	-27	Pass
NVNT	ac40	5590	Ant2	-41.66	-27	Pass
NVNT	ac40	5670	Ant2	-36.86	-27	Pass
NVNT	ac80	5530	Ant1	-33.32	-27	Pass
NVNT	ac80	5610	Ant1	-33.17	-27	Pass
NVNT	ac80	5530	Ant2	-42.41	-27	Pass
NVNT	ac80	5610	Ant2	-37.66	-27	Pass
NVNT	ax20	5500	Ant1	-33.13	-27	Pass
NVNT	ax20	5600	Ant1	-32.99	-27	Pass
NVNT	ax20	5700	Ant1	-33.36	-27	Pass
NVNT	ax20	5500	Ant2	-40.21	-27	Pass
NVNT	ax20	5600	Ant2	-34.83	-27	Pass
NVNT	ax20	5700	Ant2	-38.78	-27	Pass
NVNT	ax40	5510	Ant1	-33.59	-27	Pass

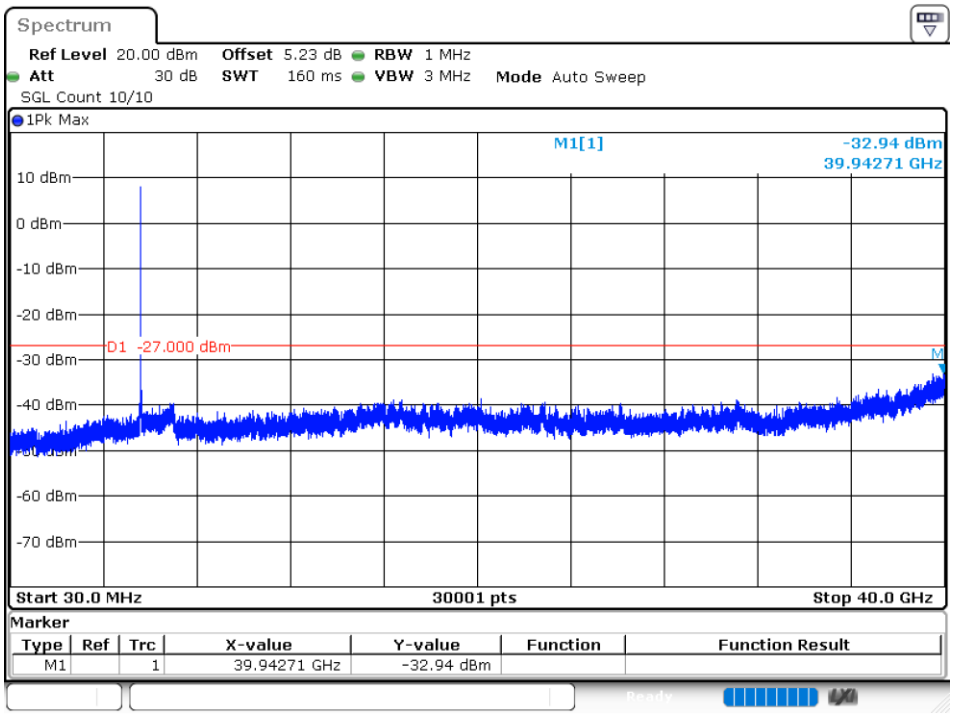
NVNT	ax40	5590	Ant1	-33.62	-27	Pass
NVNT	ax40	5670	Ant1	-33.44	-27	Pass
NVNT	ax40	5510	Ant2	-38.54	-27	Pass
NVNT	ax40	5590	Ant2	-42.37	-27	Pass
NVNT	ax40	5670	Ant2	-42.31	-27	Pass
NVNT	ax80	5530	Ant1	-33.42	-27	Pass
NVNT	ax80	5610	Ant1	-33.06	-27	Pass
NVNT	ax80	5530	Ant2	-41.83	-27	Pass
NVNT	ax80	5610	Ant2	-41.68	-27	Pass

Test Graphs

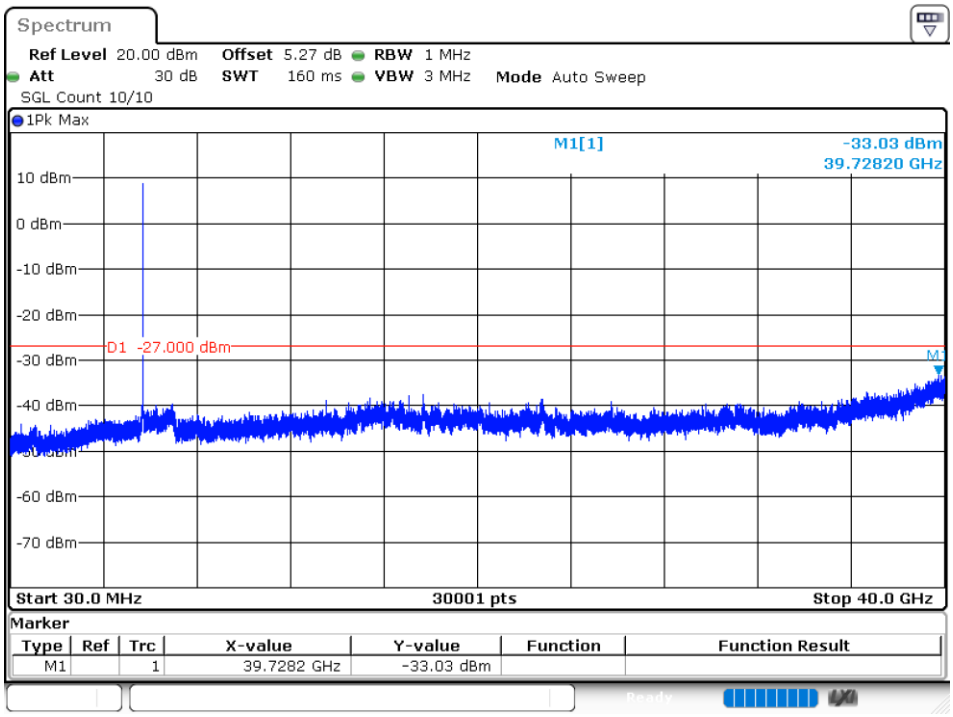
Tx. Spurious NVNT a 5500MHz Ant1 Emission



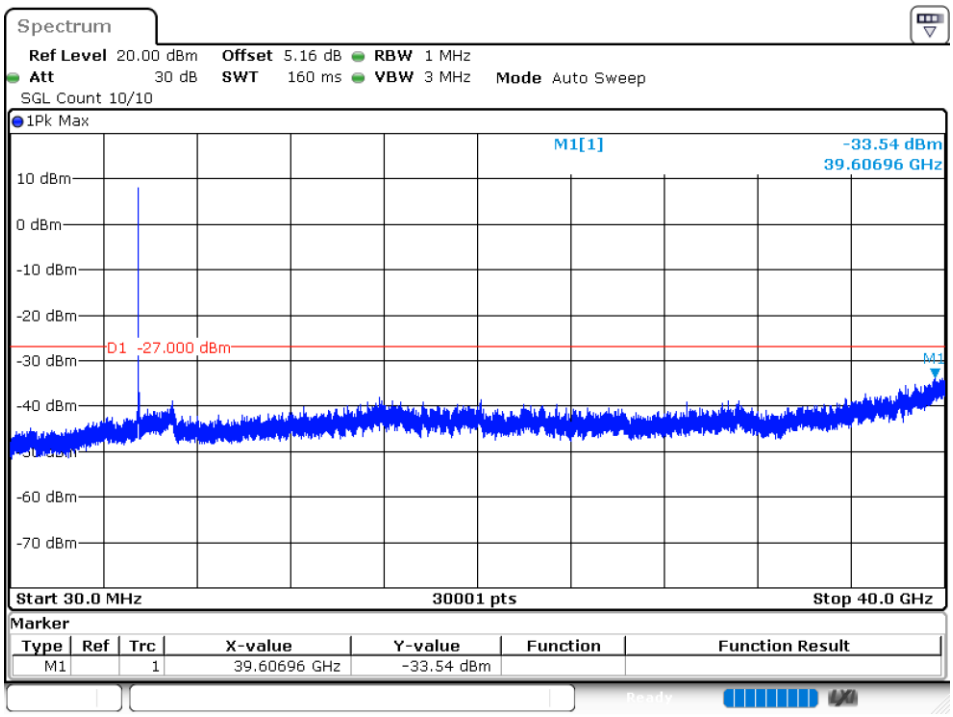
Tx. Spurious NVNT a 5600MHz Ant1 Emission



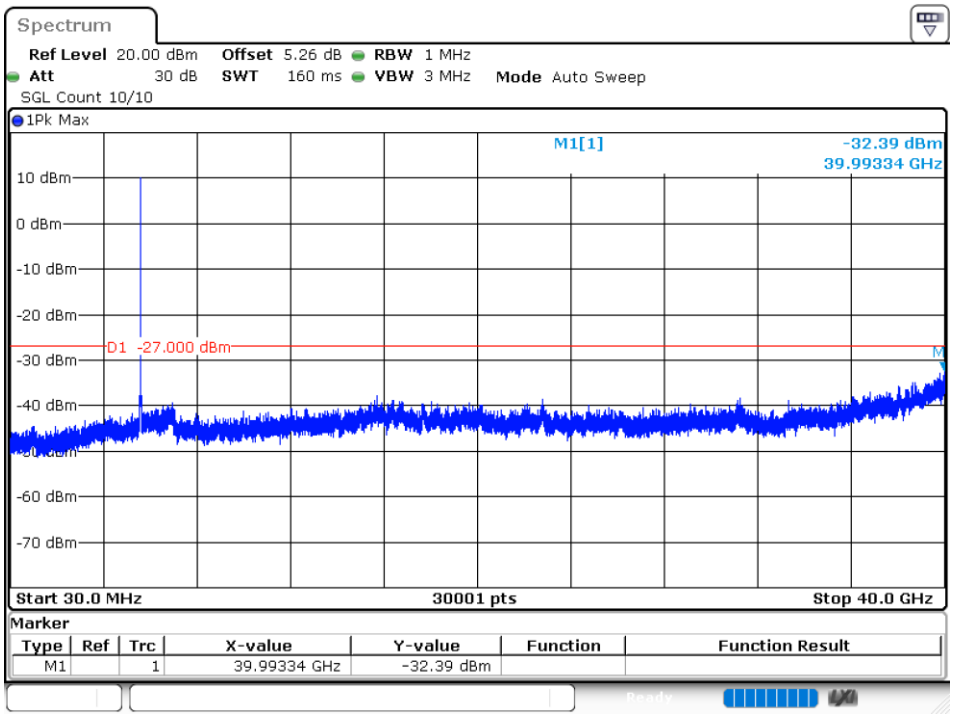
Tx. Spurious NVNT a 5700MHz Ant1 Emission



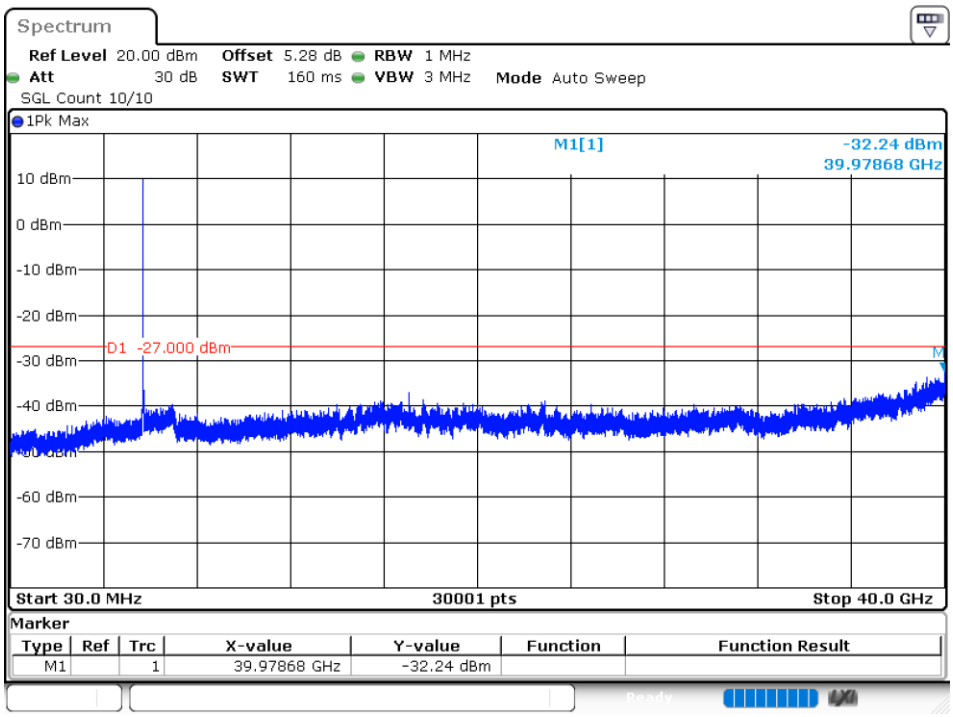
Tx. Spurious NVNT a 5500MHz Ant2 Emission



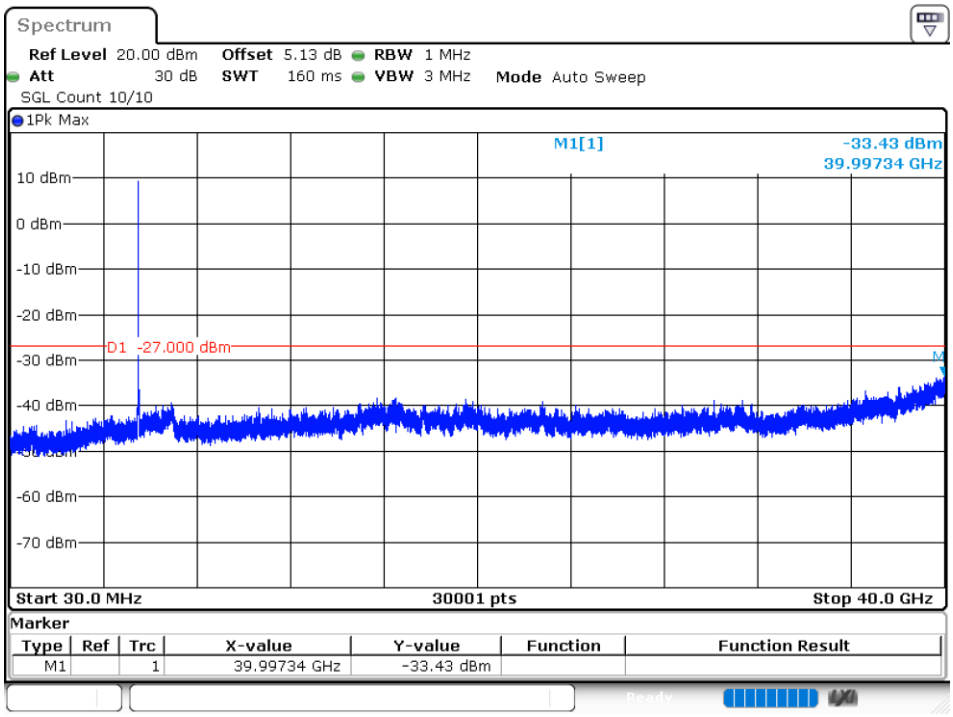
Tx. Spurious NVNT a 5600MHz Ant2 Emission



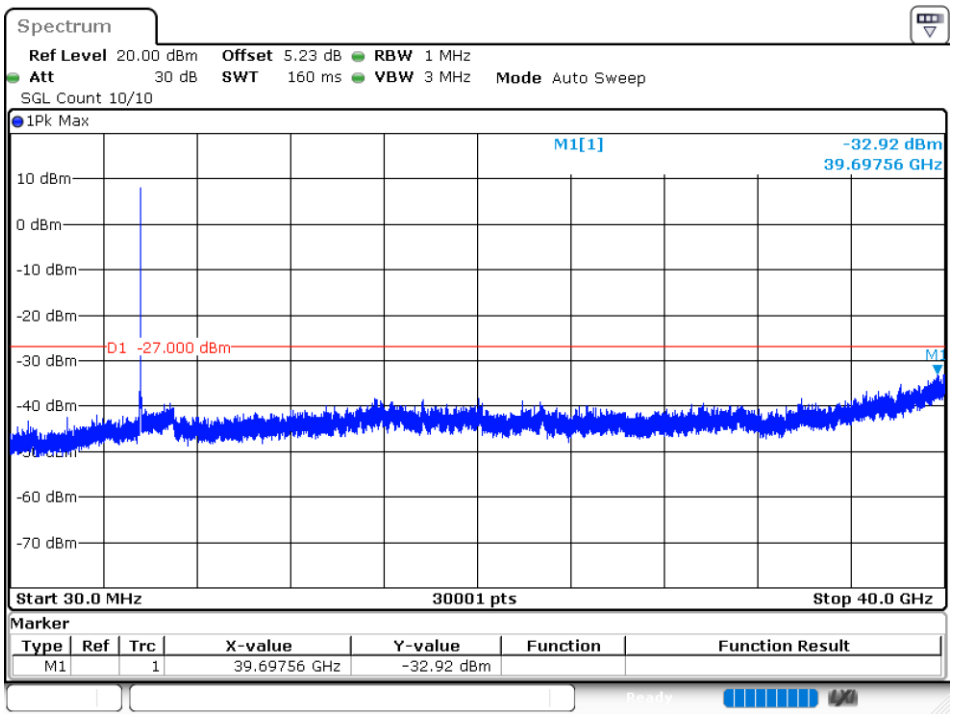
Tx. Spurious NVNT a 5700MHz Ant2 Emission



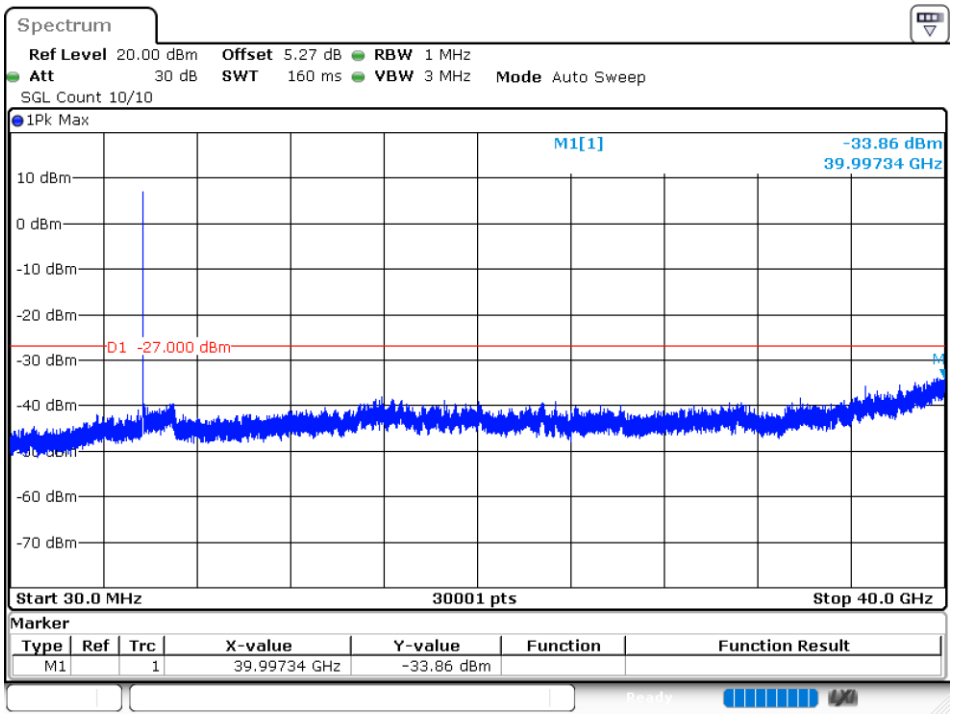
Tx. Spurious NVNT n20 5500MHz Ant1 Emission



Tx. Spurious NVNT n20 5600MHz Ant1 Emission



Tx. Spurious NVNT n20 5700MHz Ant1 Emission



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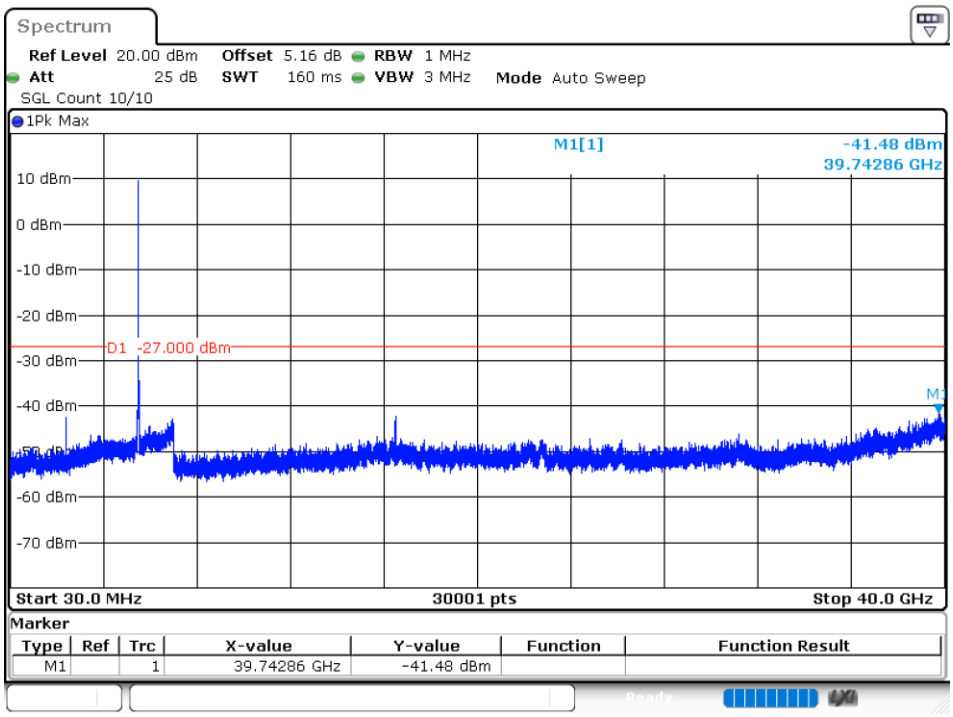
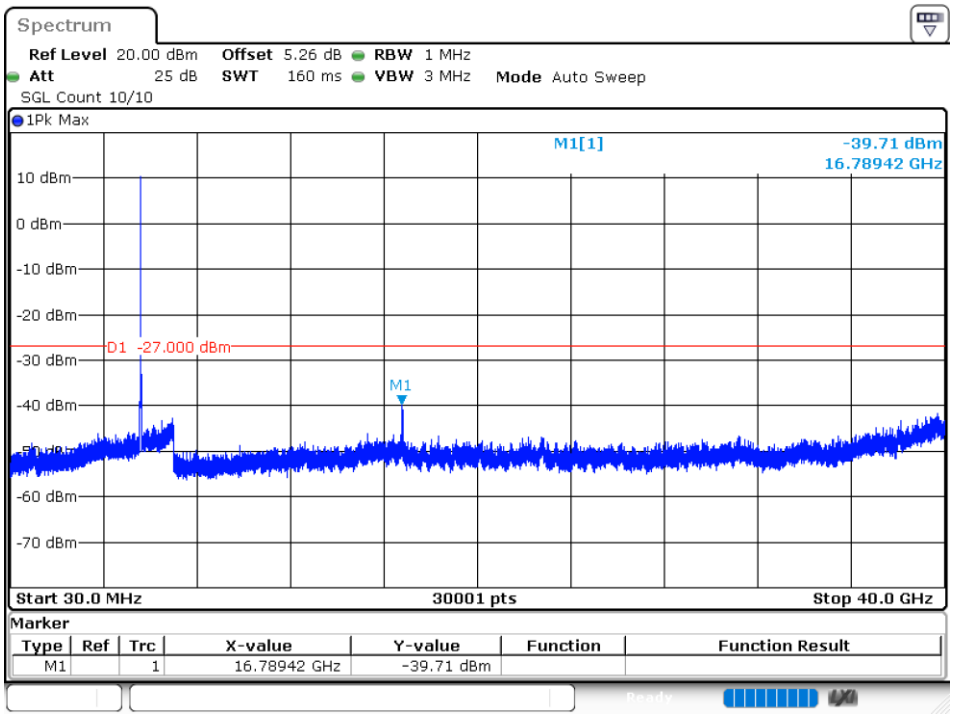
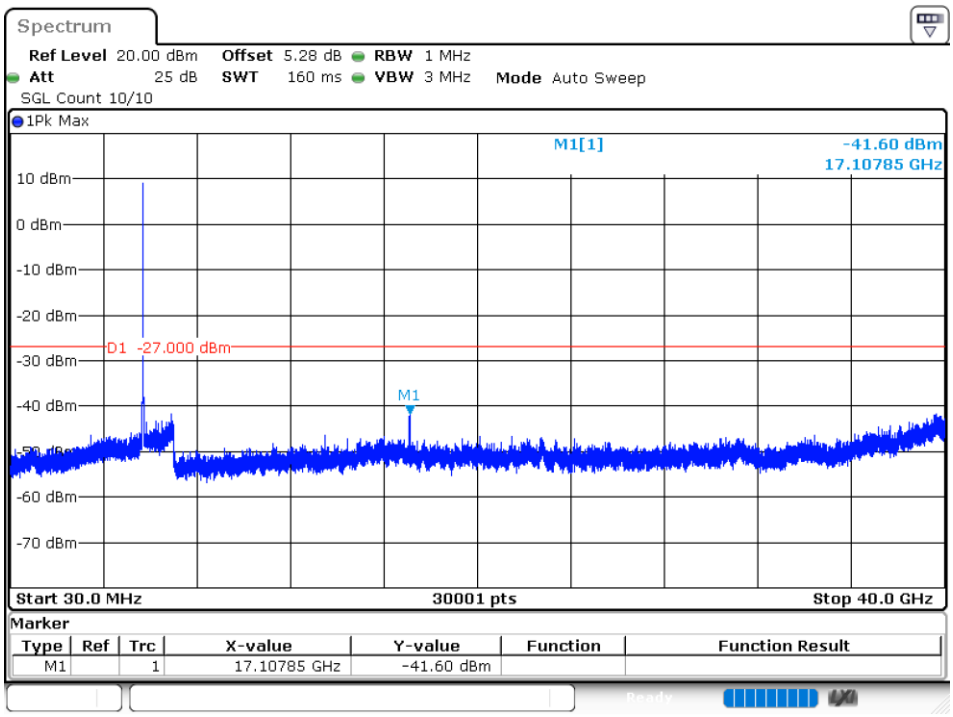


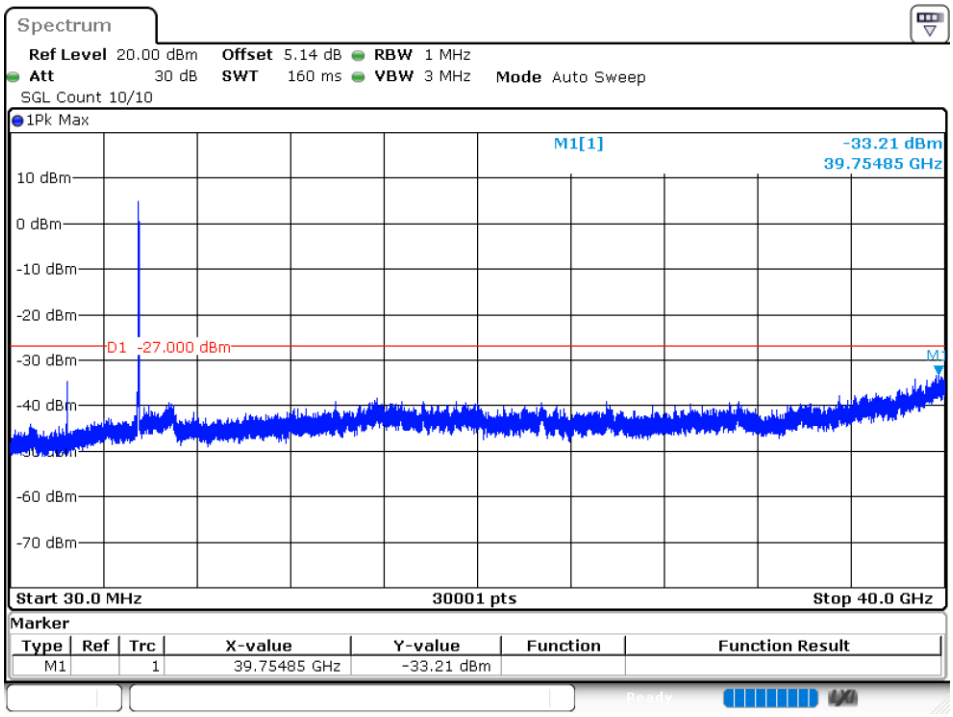
Tx. Spurious NVNT n20 5600MHz Ant2 Emission



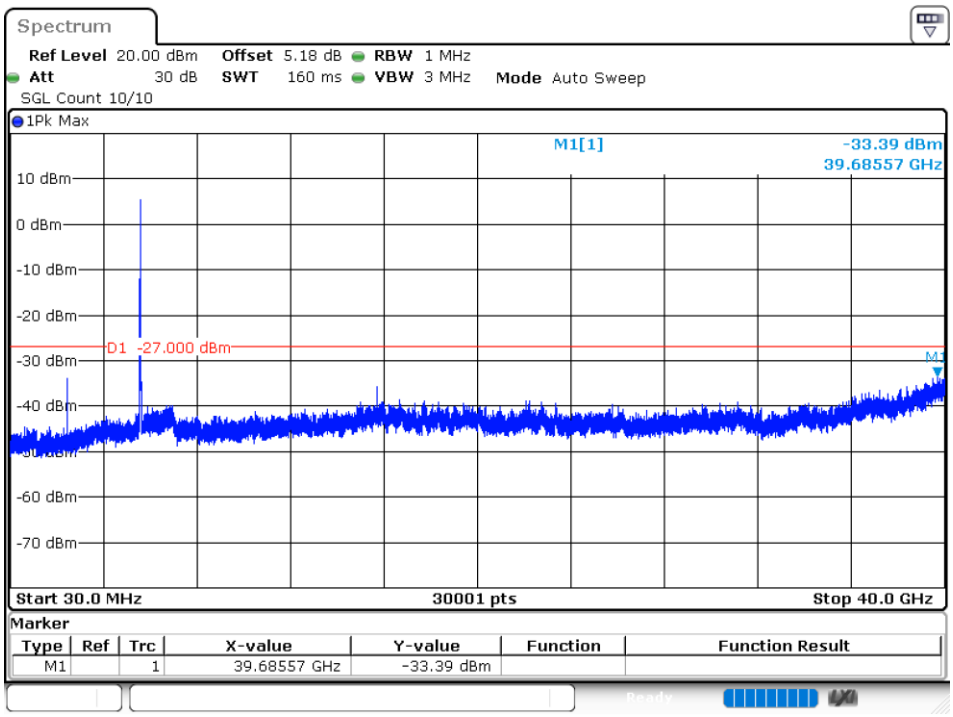
Tx. Spurious NVNT n20 5700MHz Ant2 Emission



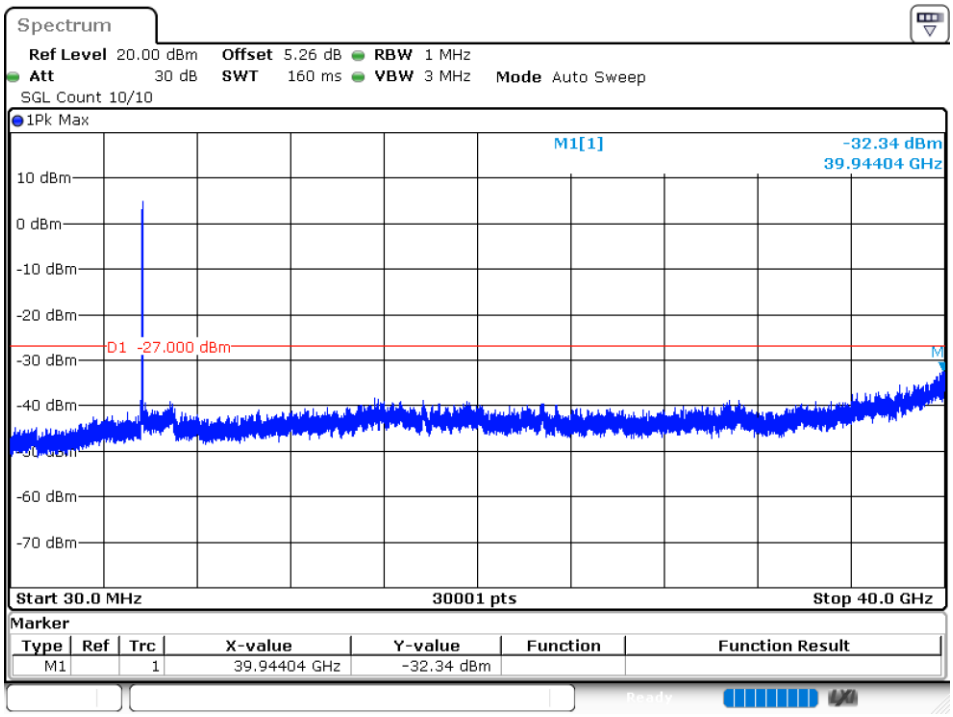
Tx. Spurious NVNT n40 5510MHz Ant1 Emission



Tx. Spurious NVNT n40 5590MHz Ant1 Emission



Tx. Spurious NVNT n40 5670MHz Ant1 Emission



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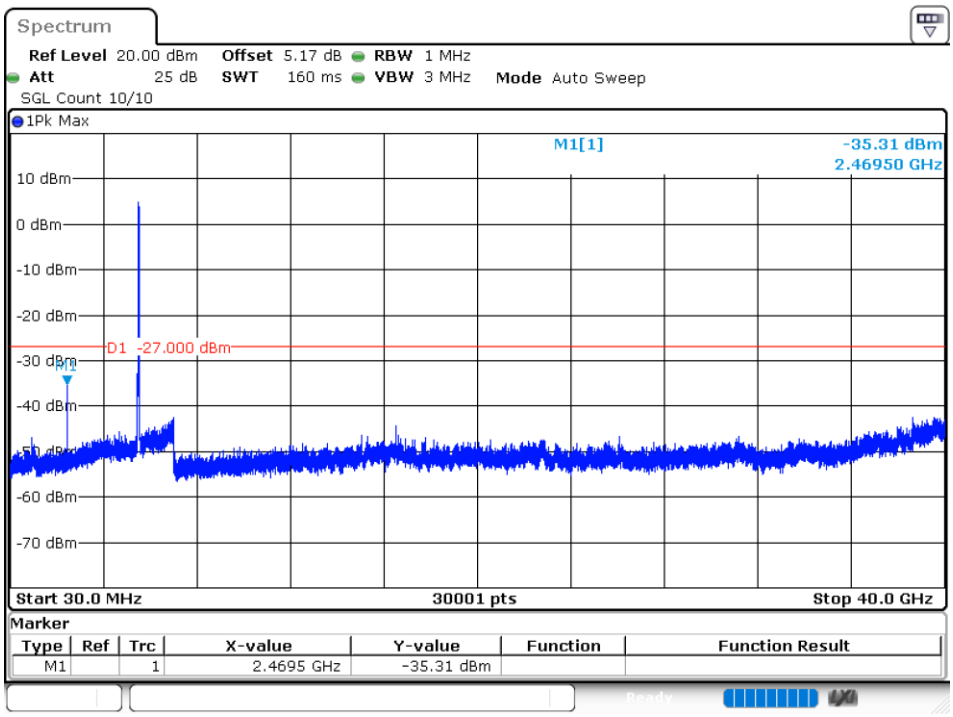
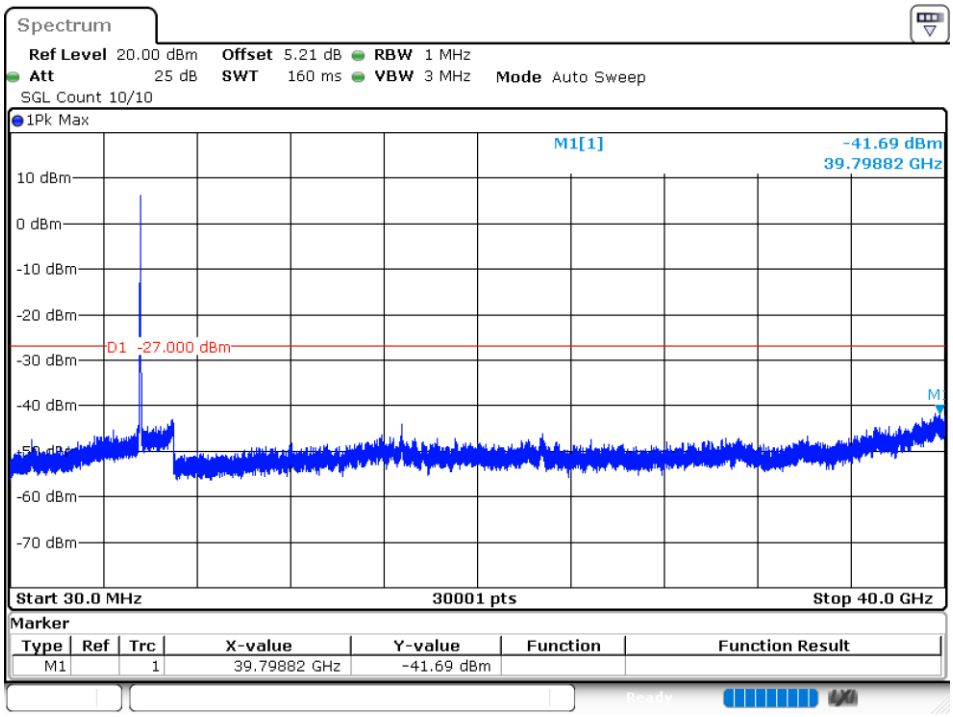
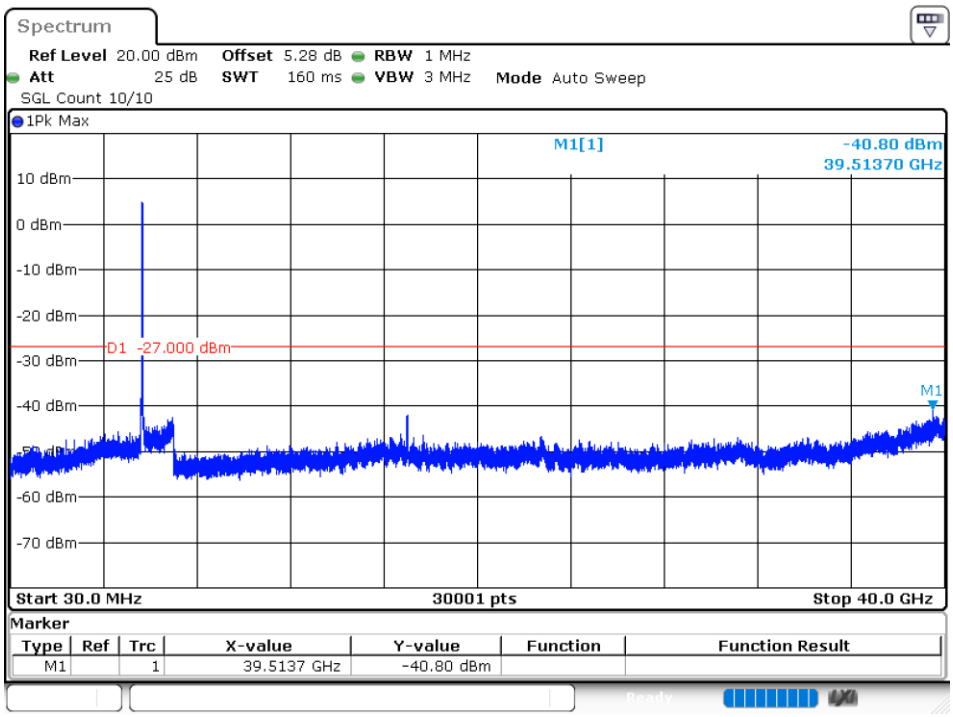


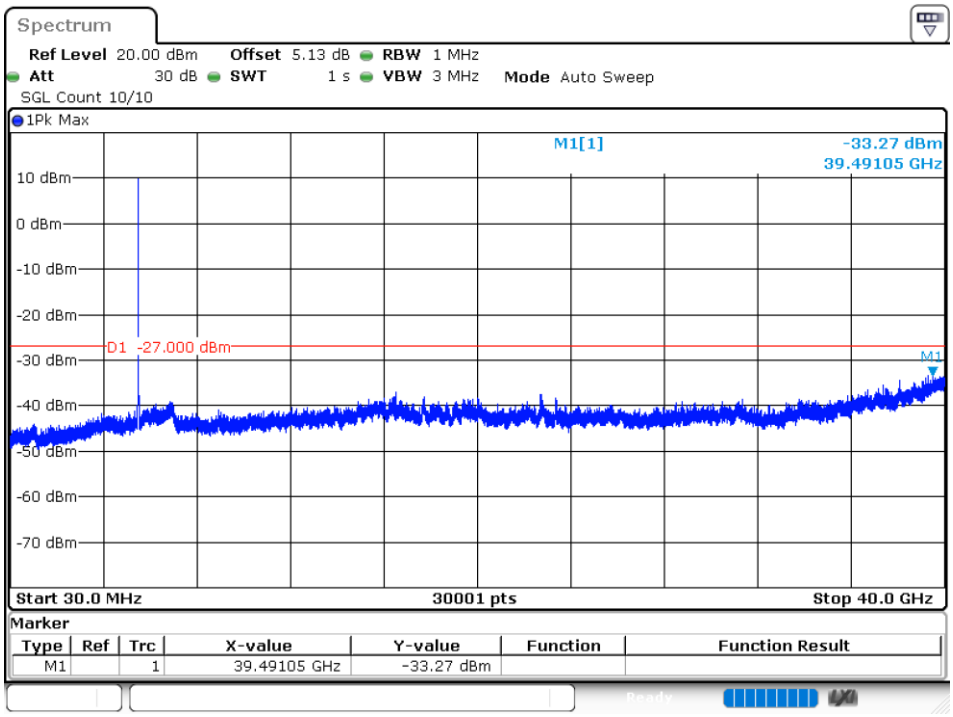
Tx. Spurious NVNT n40 5590MHz Ant2 Emission



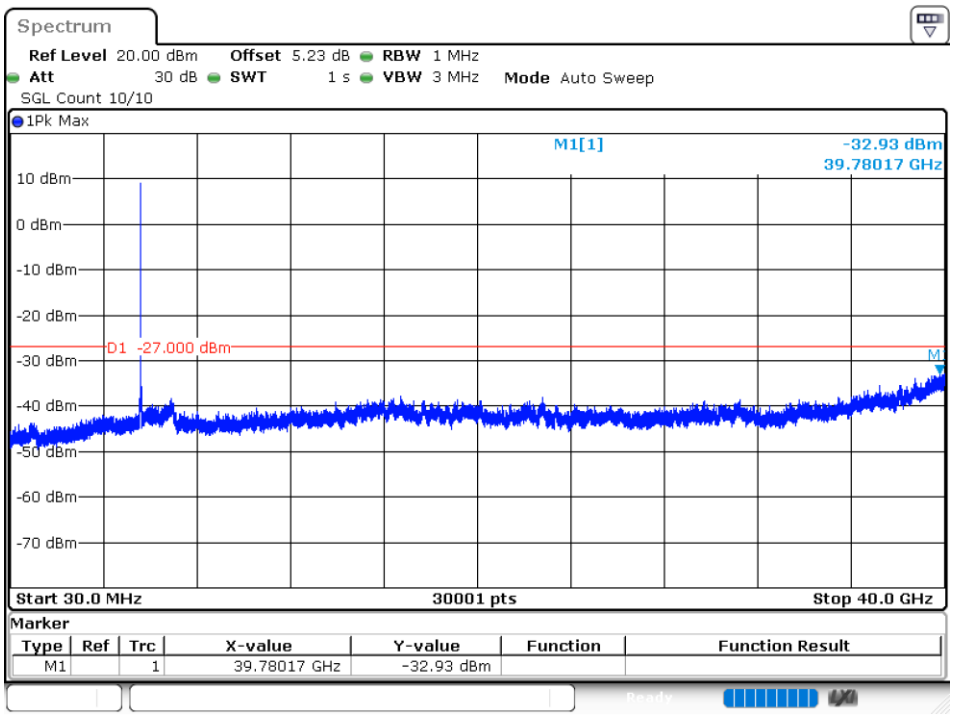
Tx. Spurious NVNT n40 5670MHz Ant2 Emission



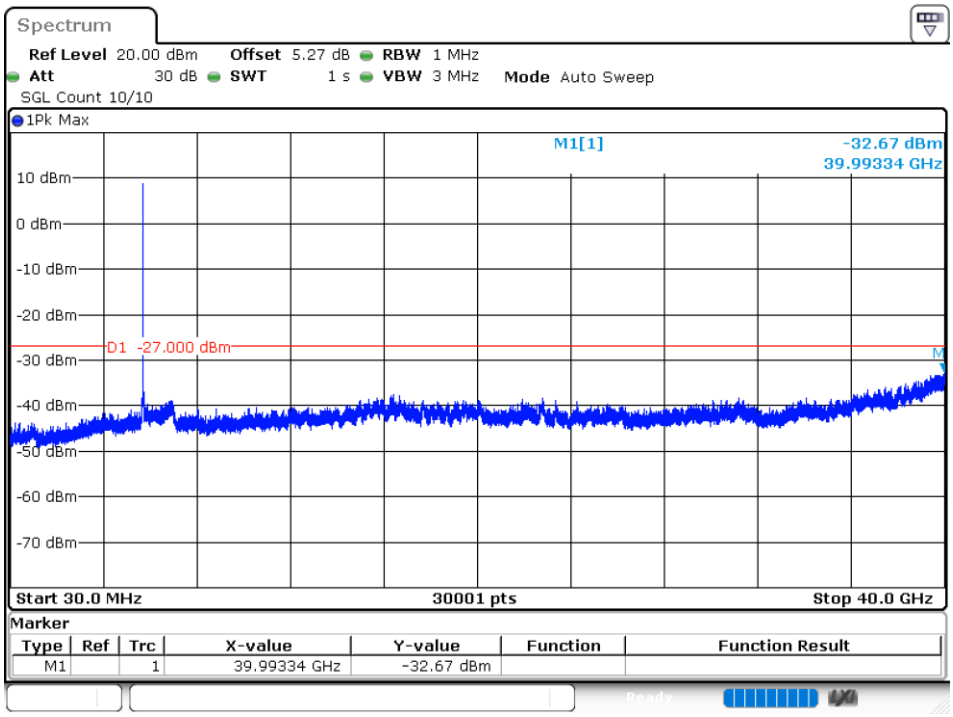
Tx. Spurious NVNT ac20 5500MHz Ant1 Emission



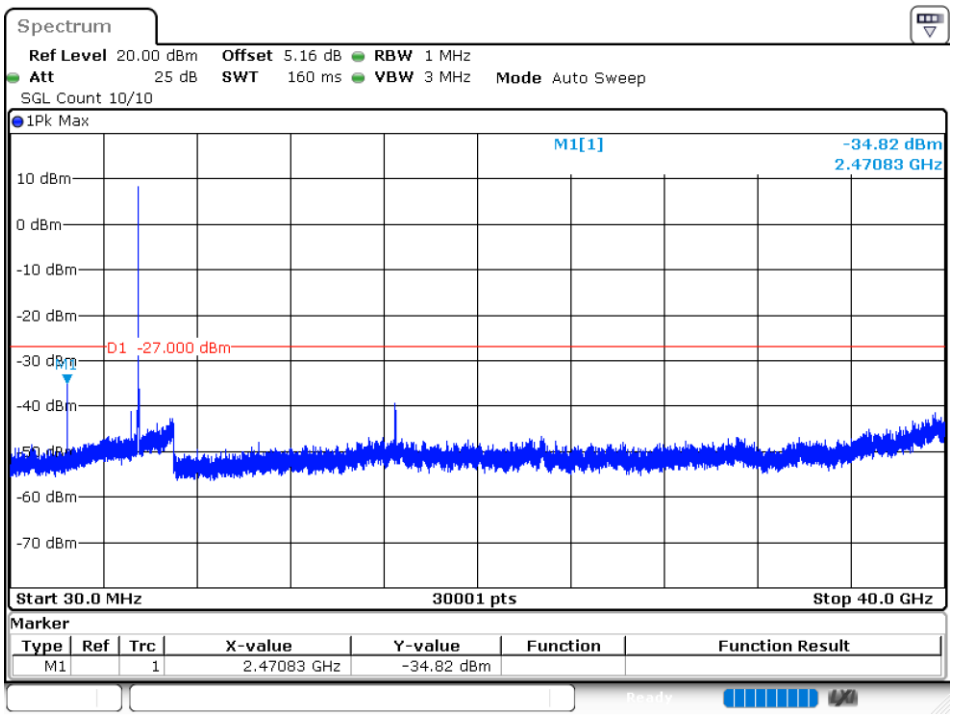
Tx. Spurious NVNT ac20 5600MHz Ant1 Emission



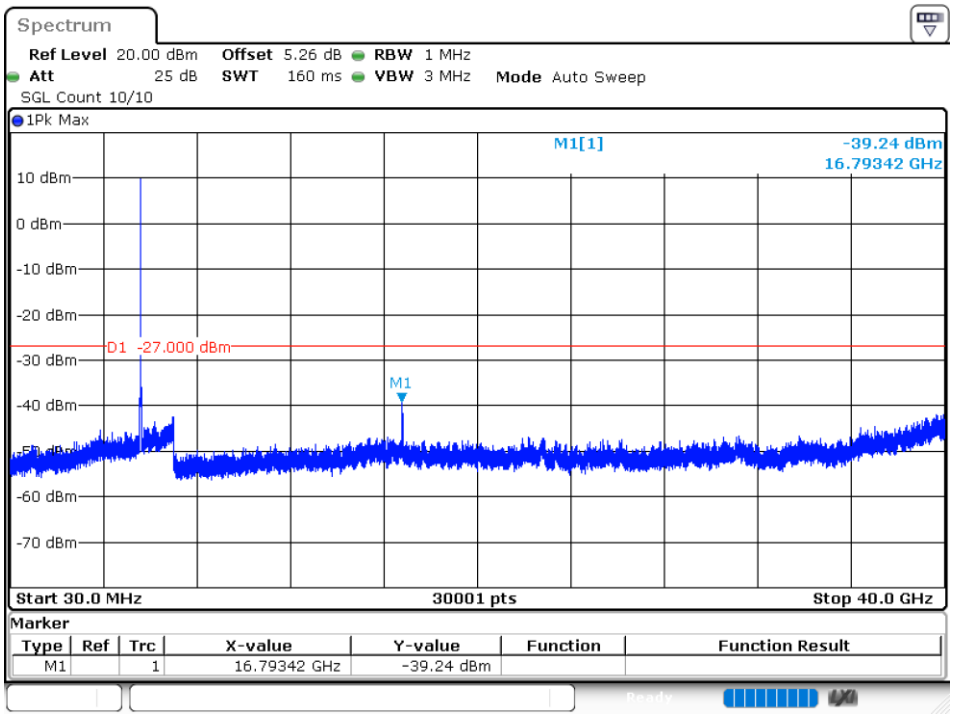
Tx. Spurious NVNT ac20 5700MHz Ant1 Emission



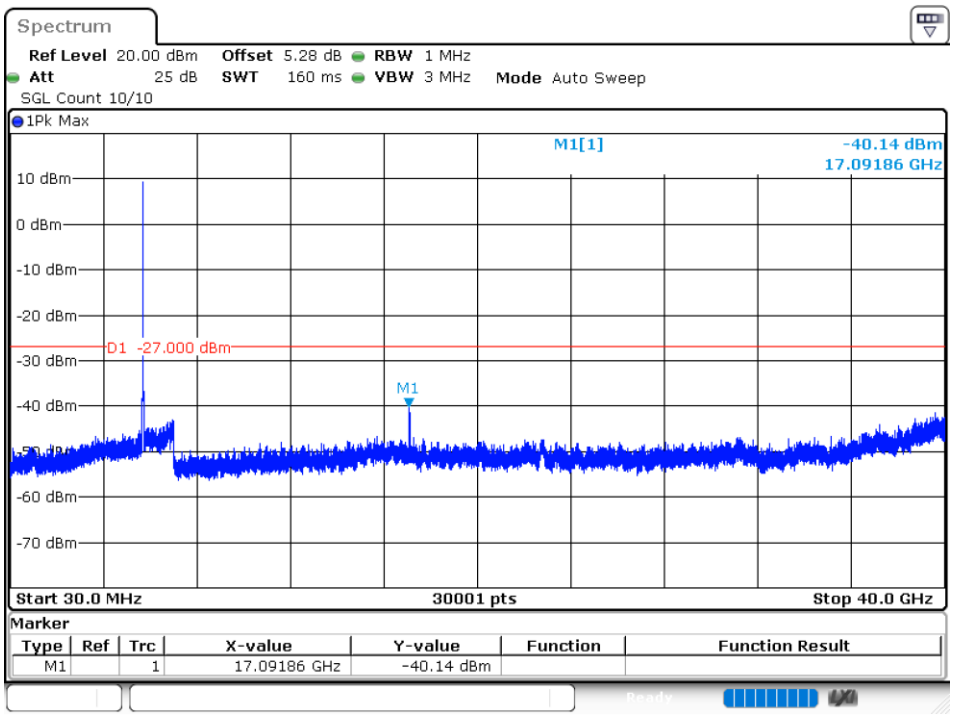
Tx. Spurious NVNT ac20 5500MHz Ant2 Emission



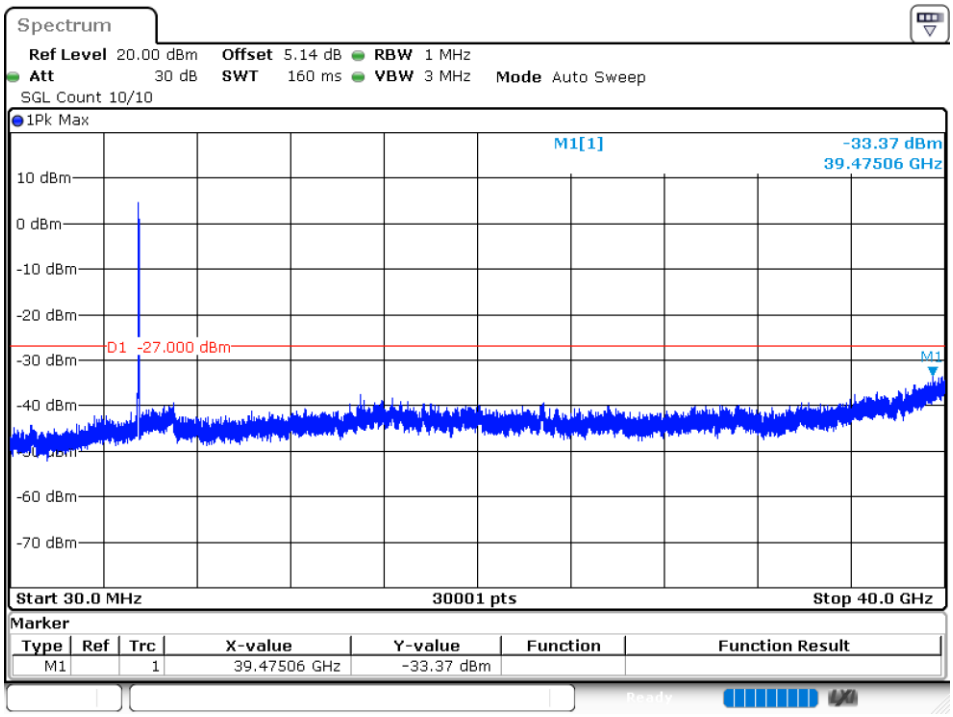
Tx. Spurious NVNT ac20 5600MHz Ant2 Emission



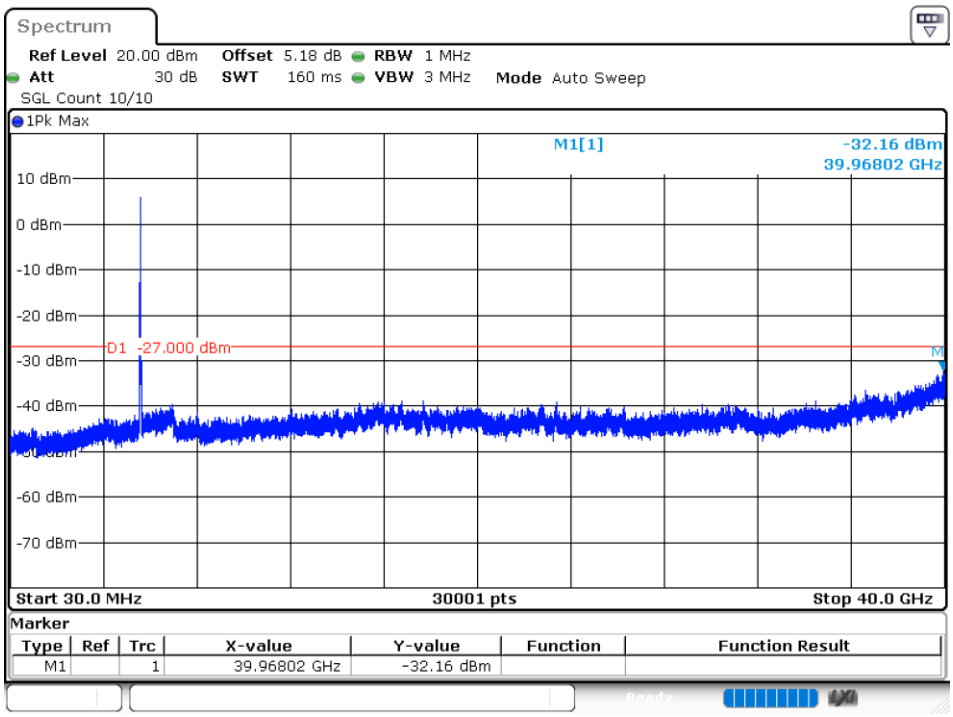
Tx. Spurious NVNT ac20 5700MHz Ant2 Emission



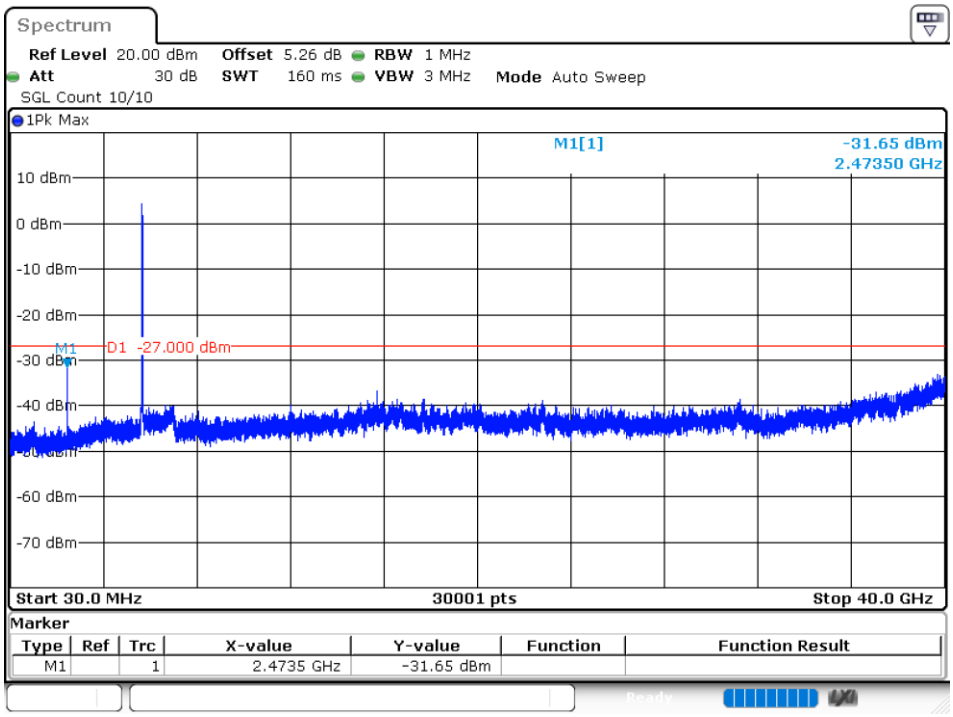
Tx. Spurious NVNT ac40 5510MHz Ant1 Emission



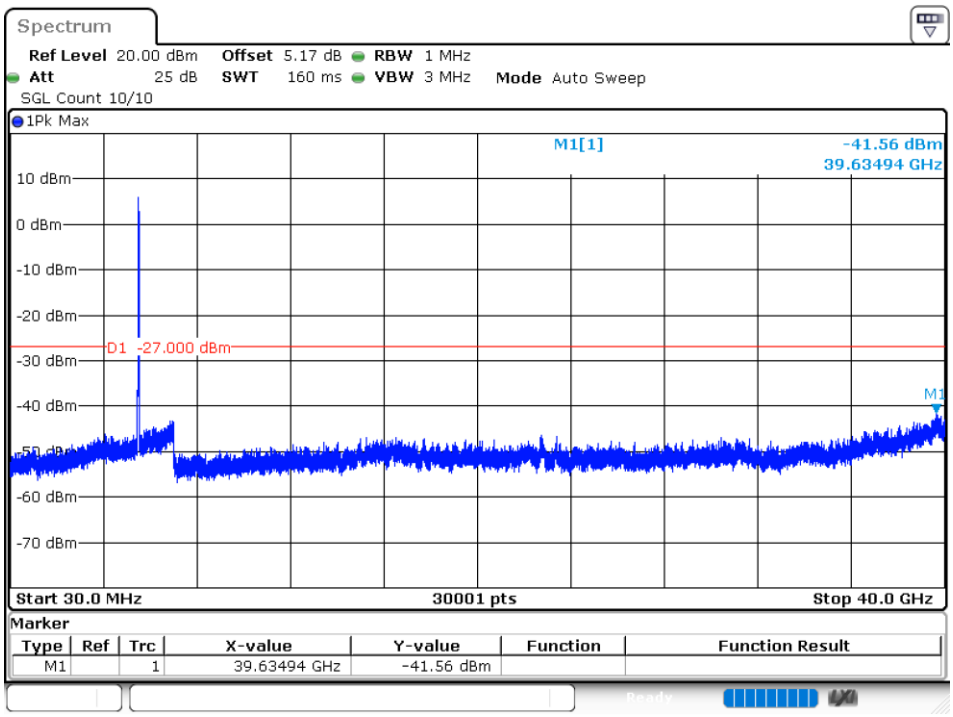
Tx. Spurious NVNT ac40 5590MHz Ant1 Emission



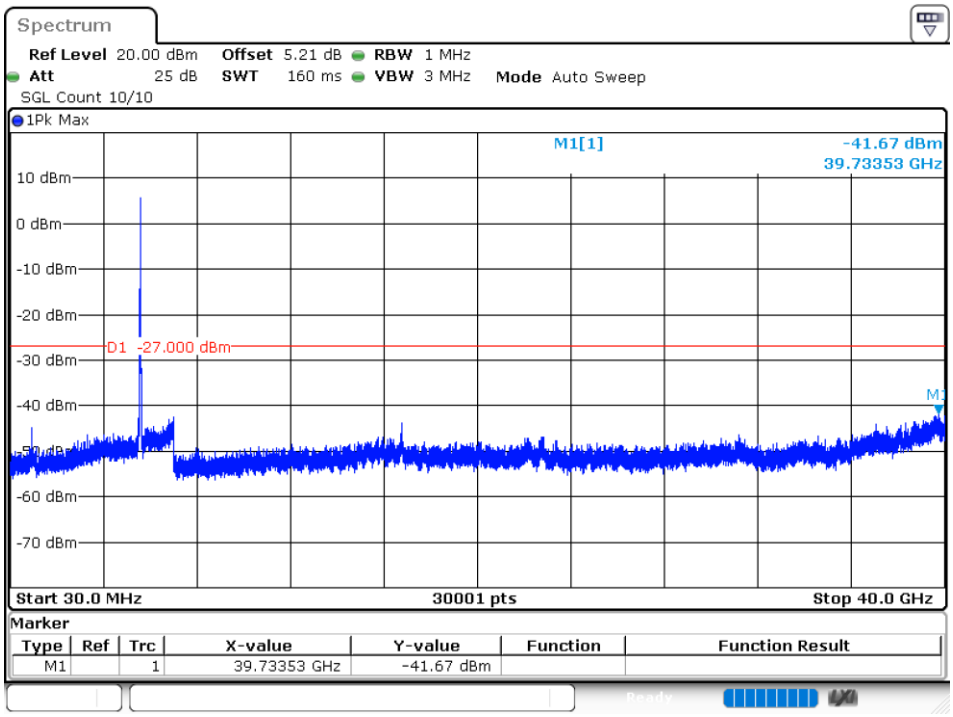
Tx. Spurious NVNT ac40 5670MHz Ant1 Emission



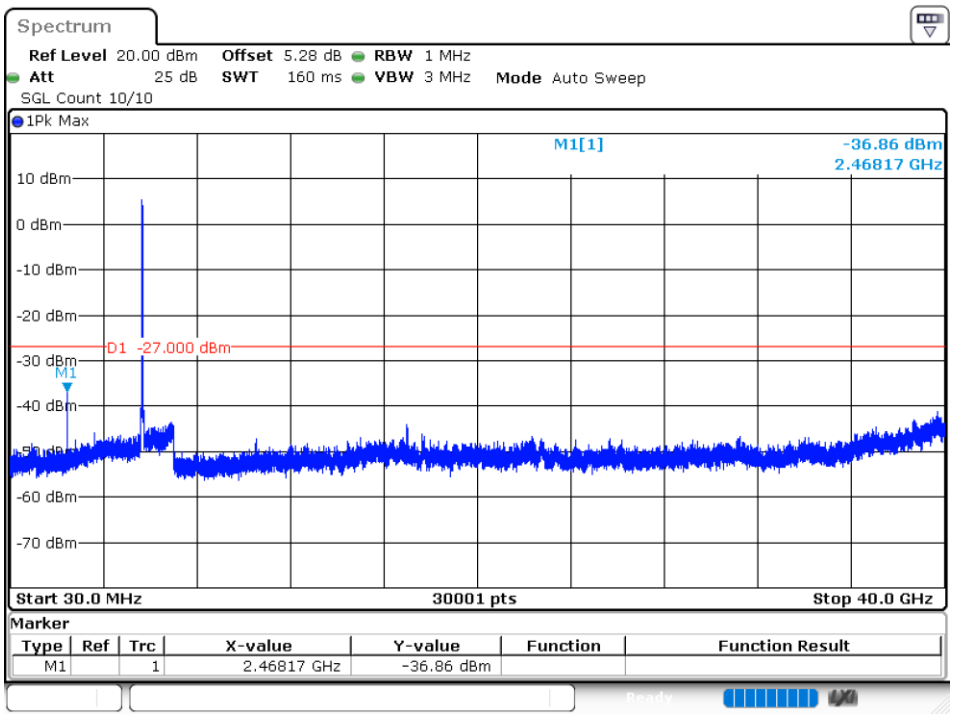
Tx. Spurious NVNT ac40 5510MHz Ant2 Emission



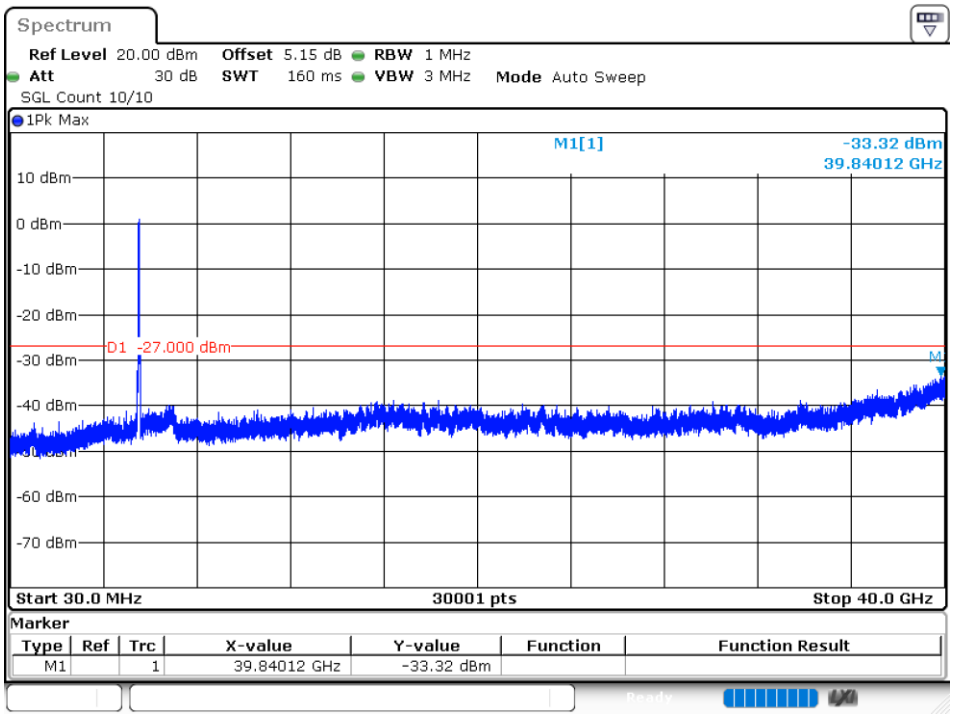
Tx. Spurious NVNT ac40 5590MHz Ant2 Emission



Tx. Spurious NVNT ac40 5670MHz Ant2 Emission



Tx. Spurious NVNT ac80 5530MHz Ant1 Emission



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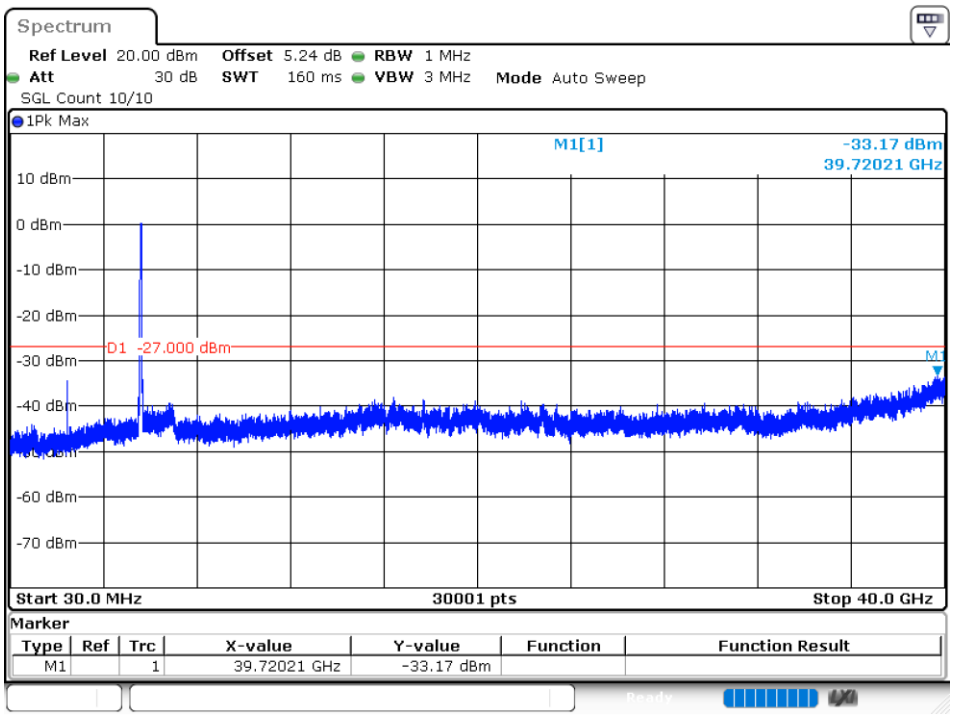

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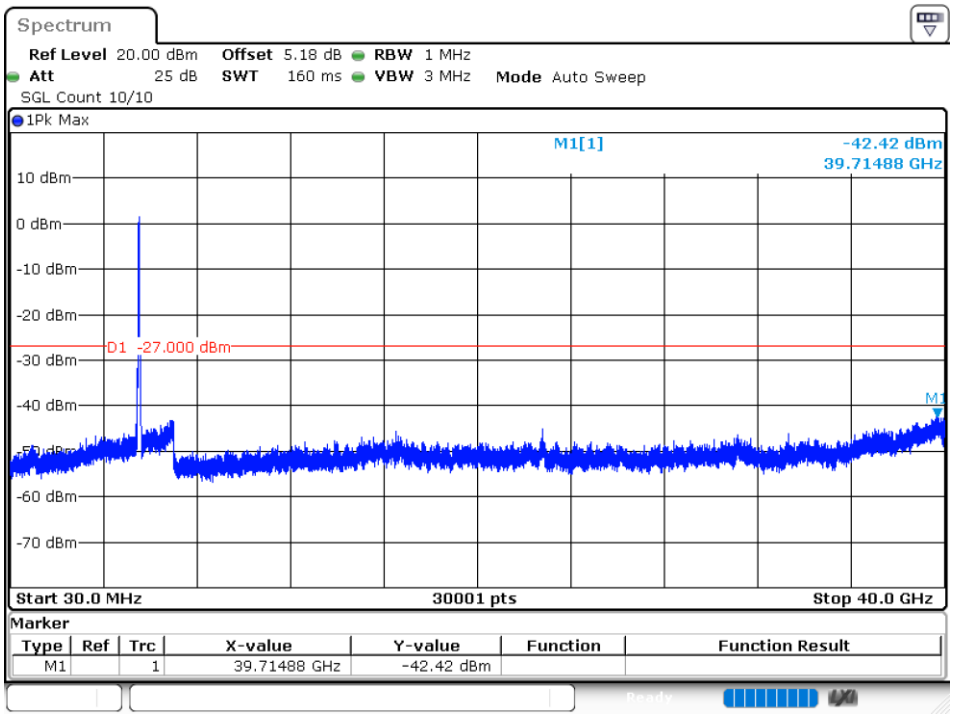
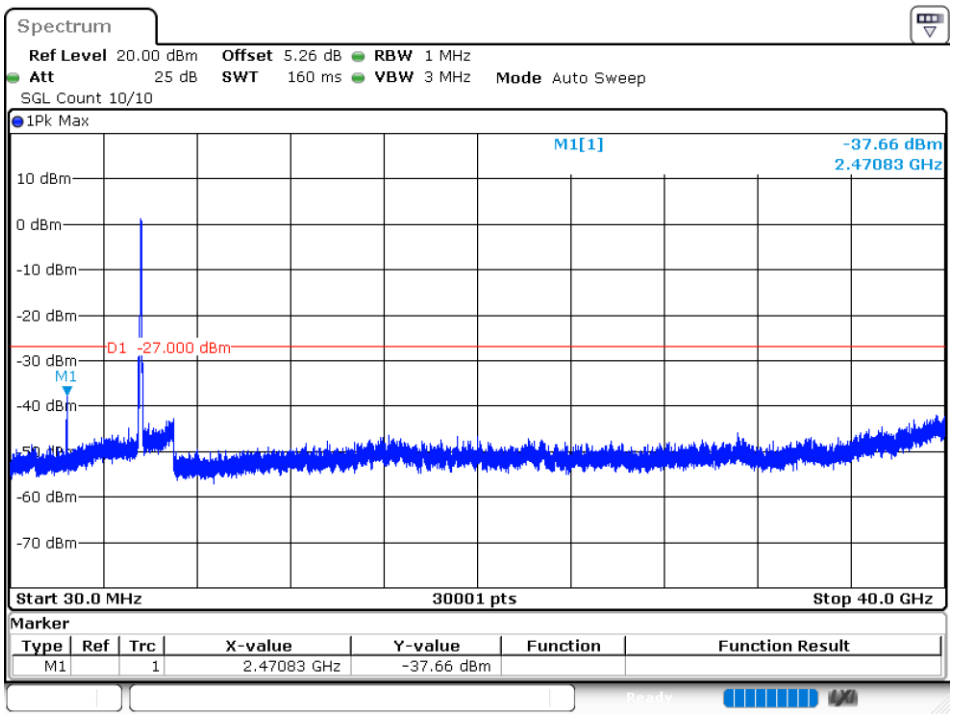


Tx. Spurious NVNT ac80 5610MHz Ant2 Emission



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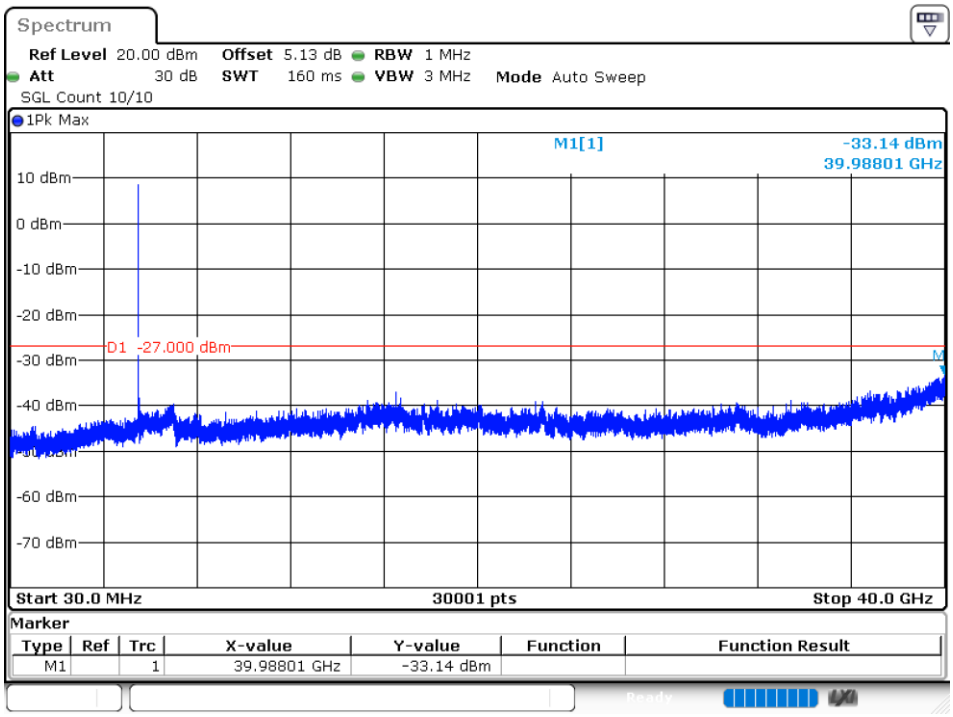

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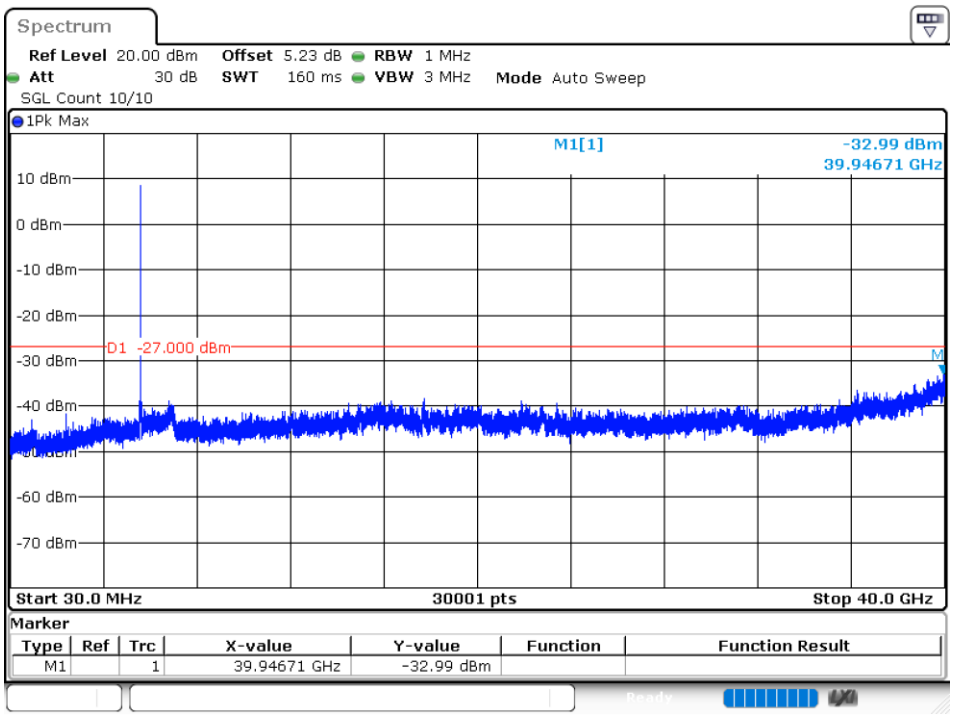

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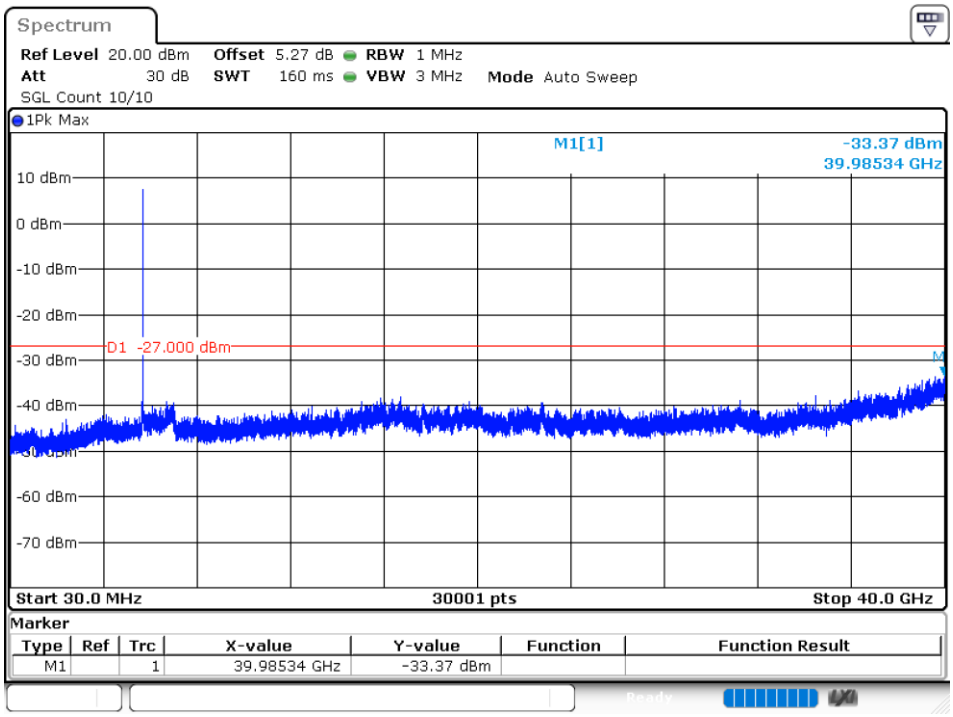

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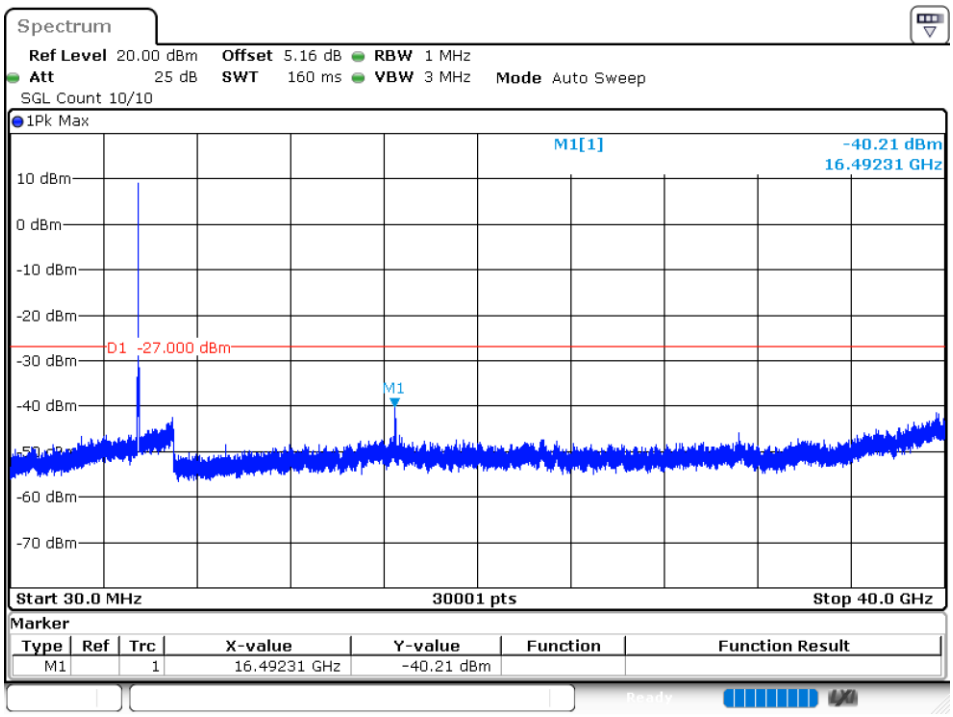

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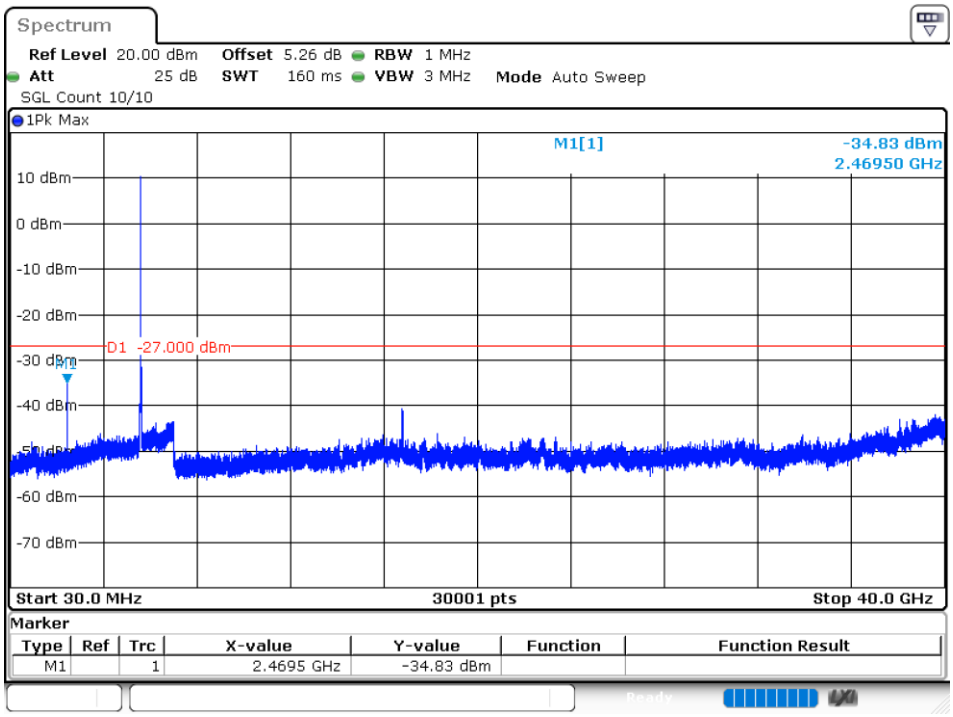

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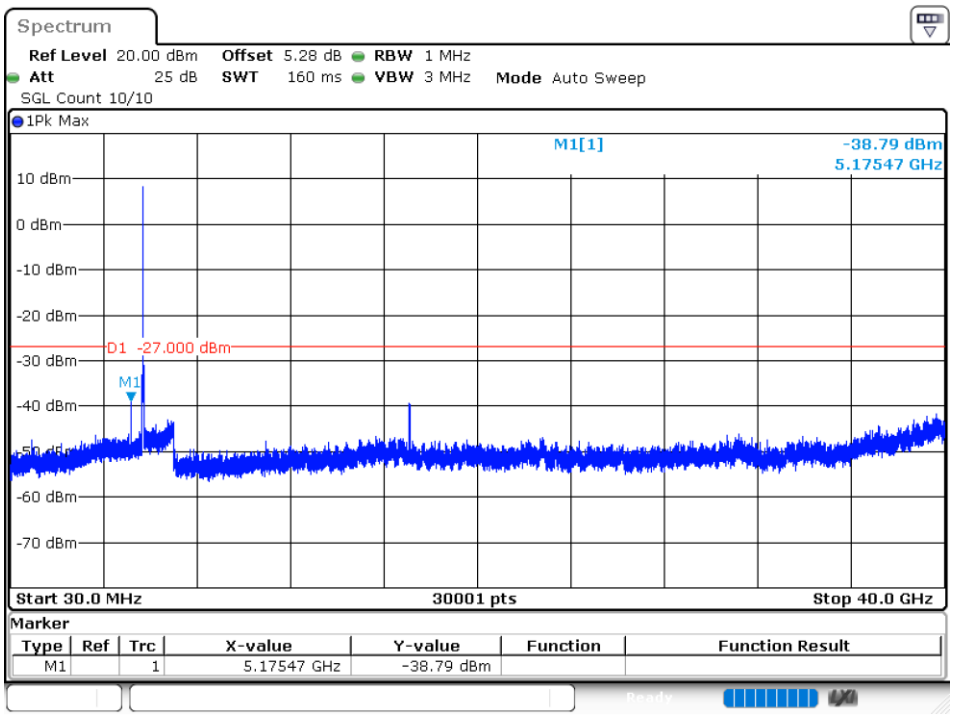

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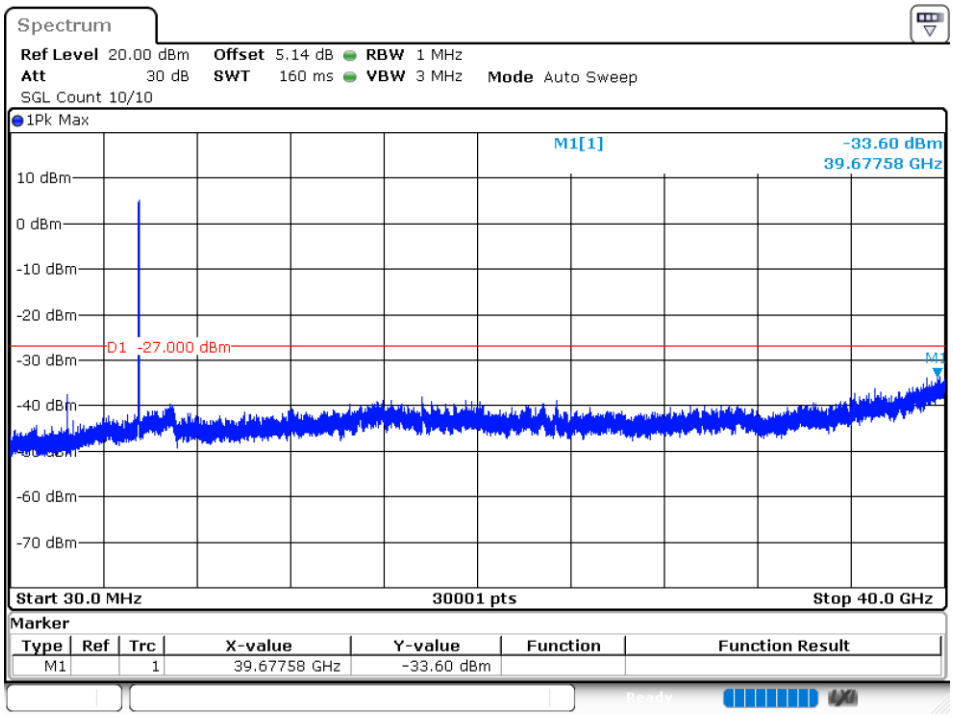

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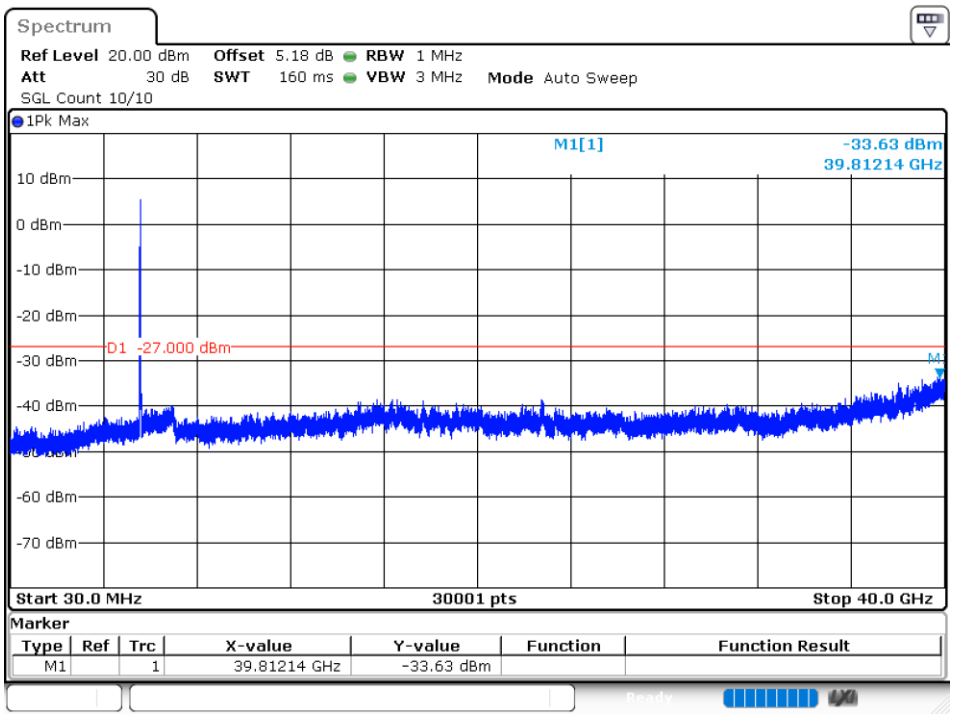

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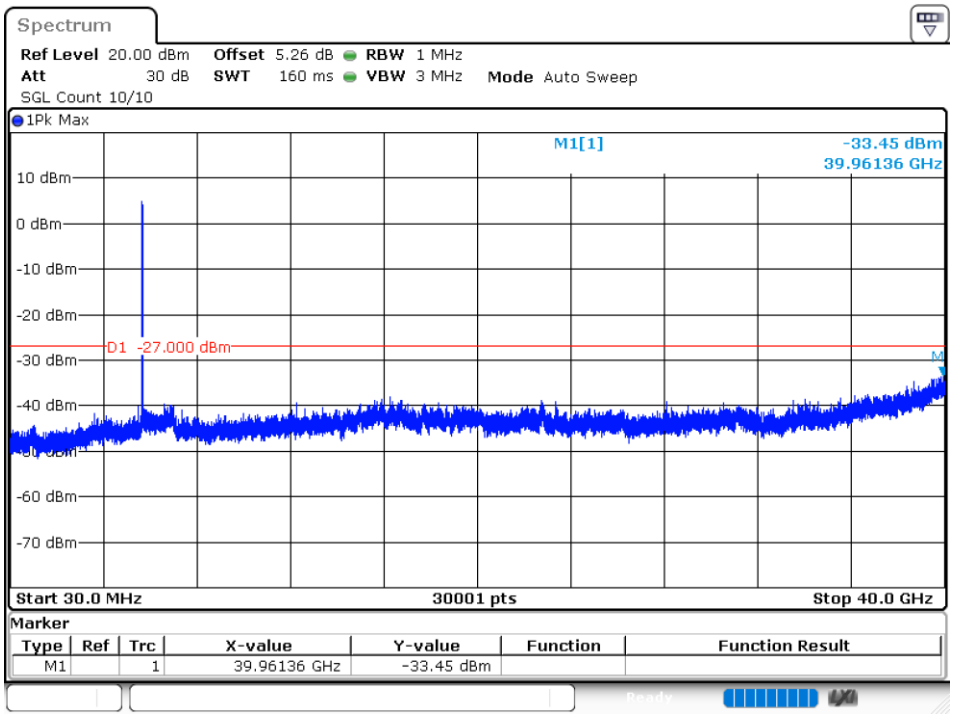

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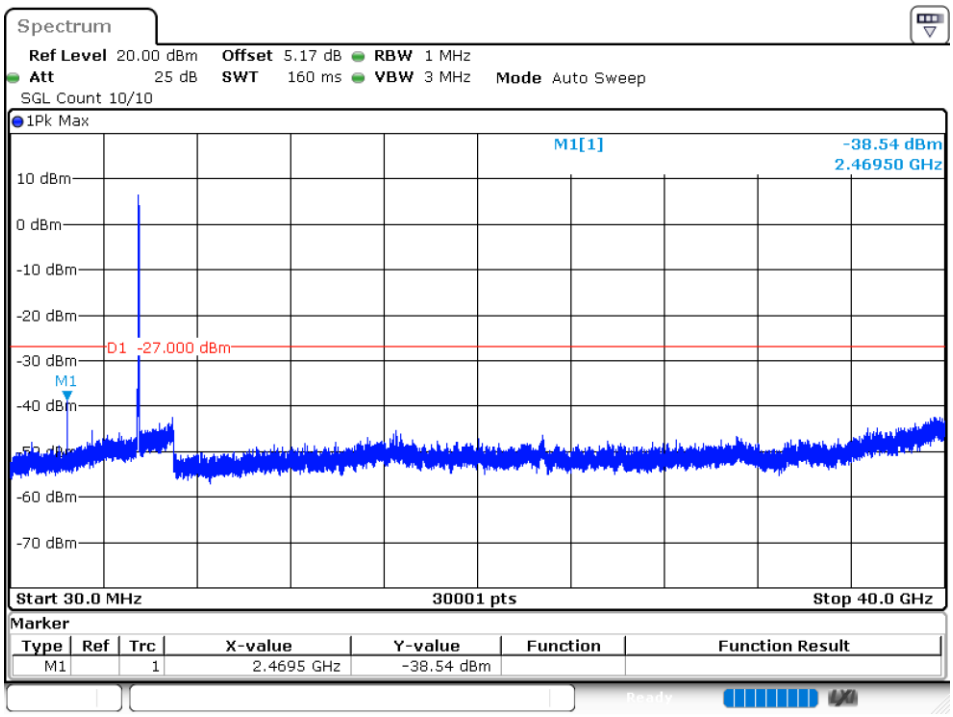

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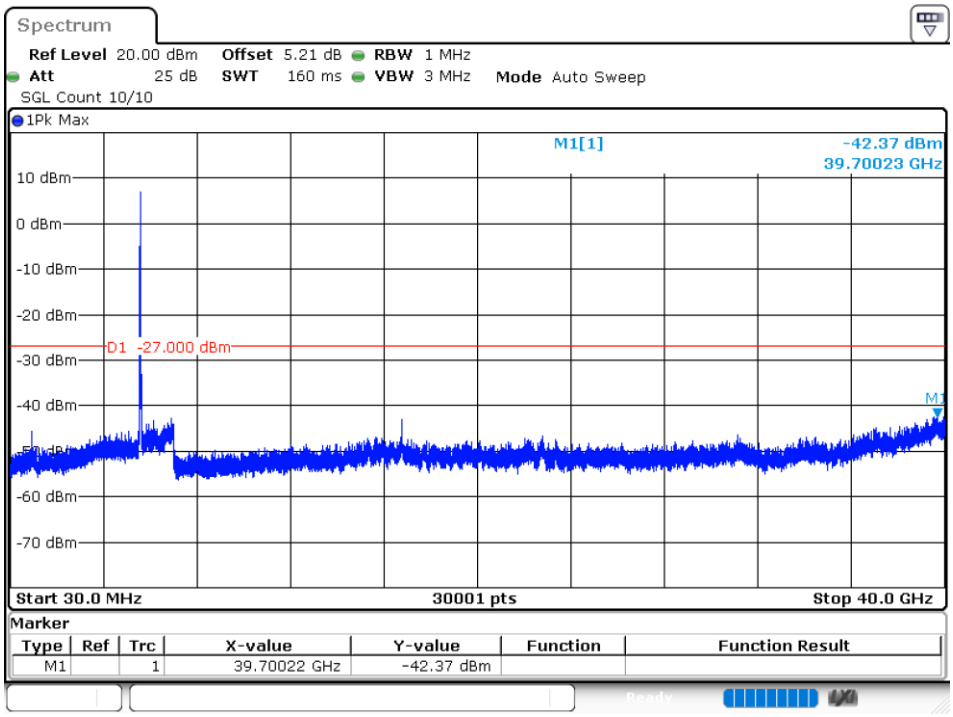
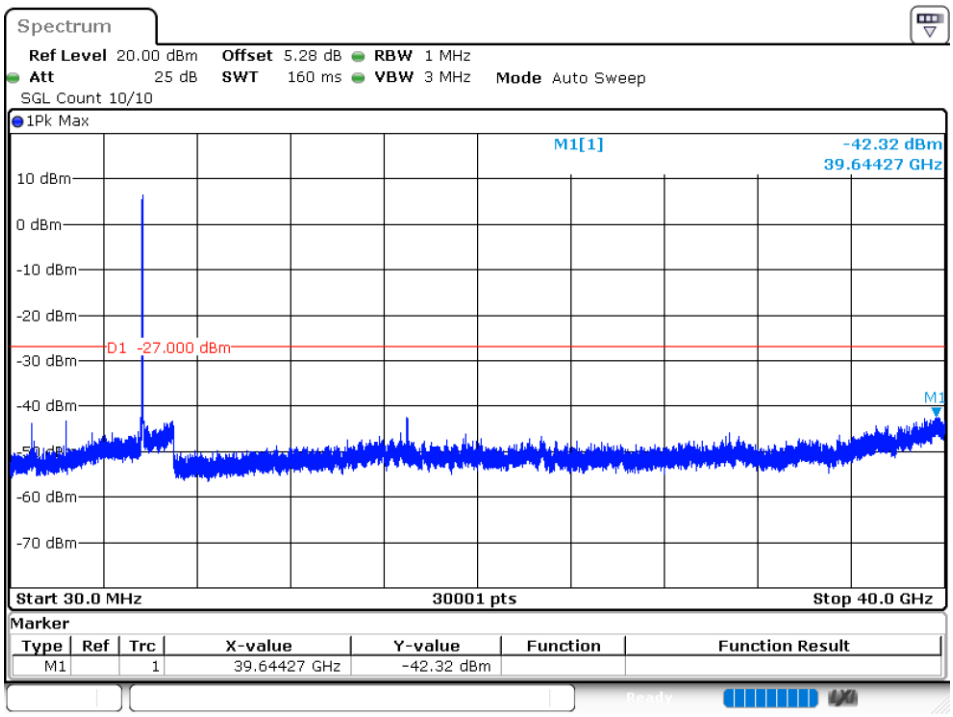


Tx. Spurious NVNT ax40 5670MHz Ant2 Emission



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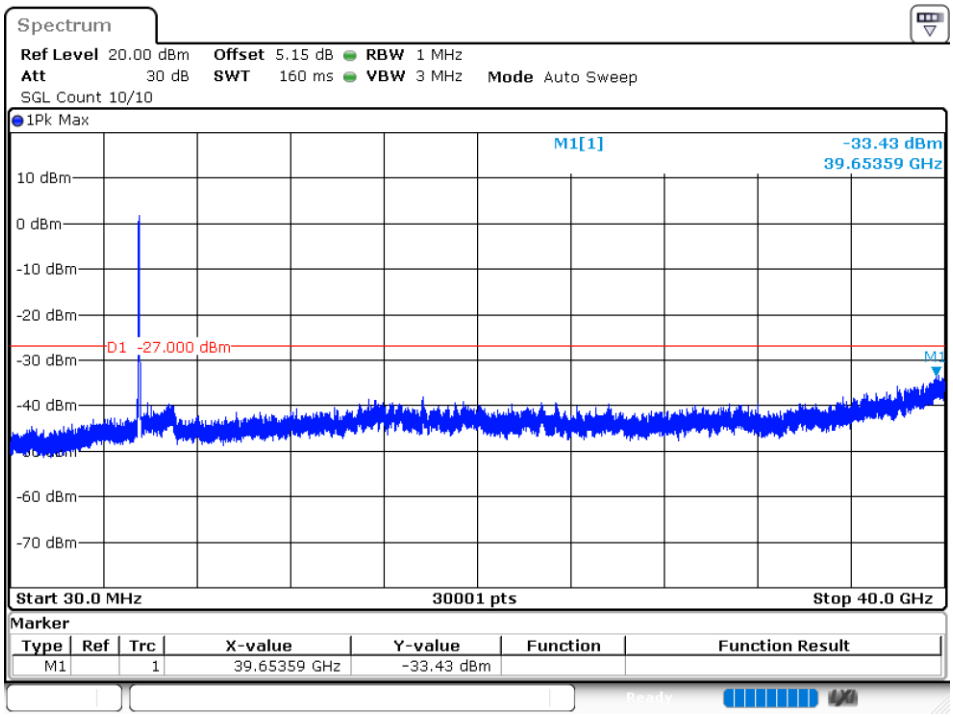

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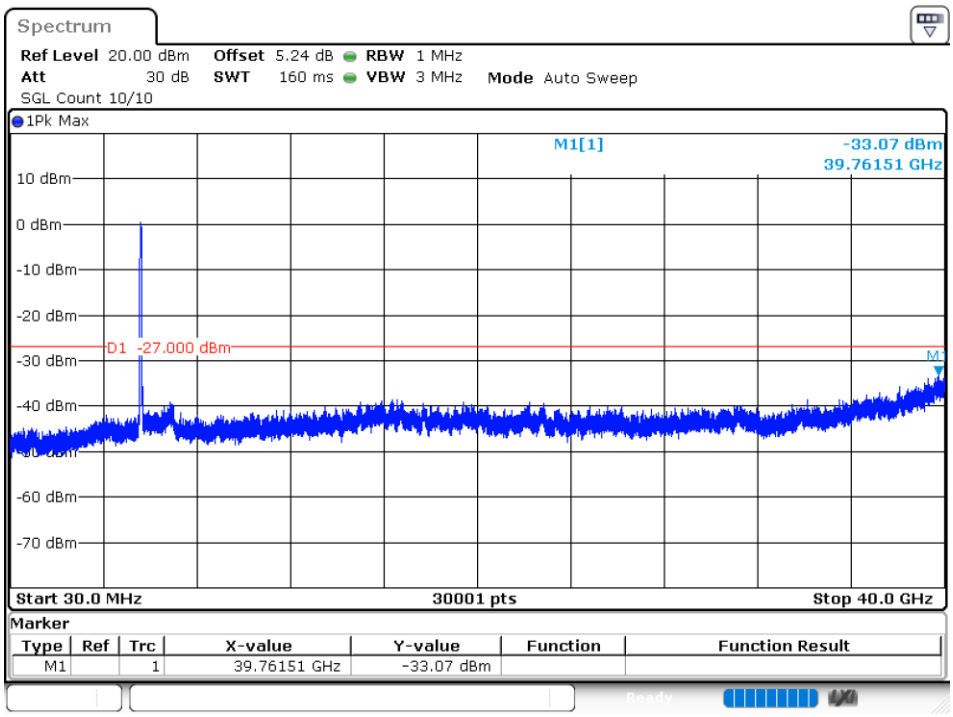

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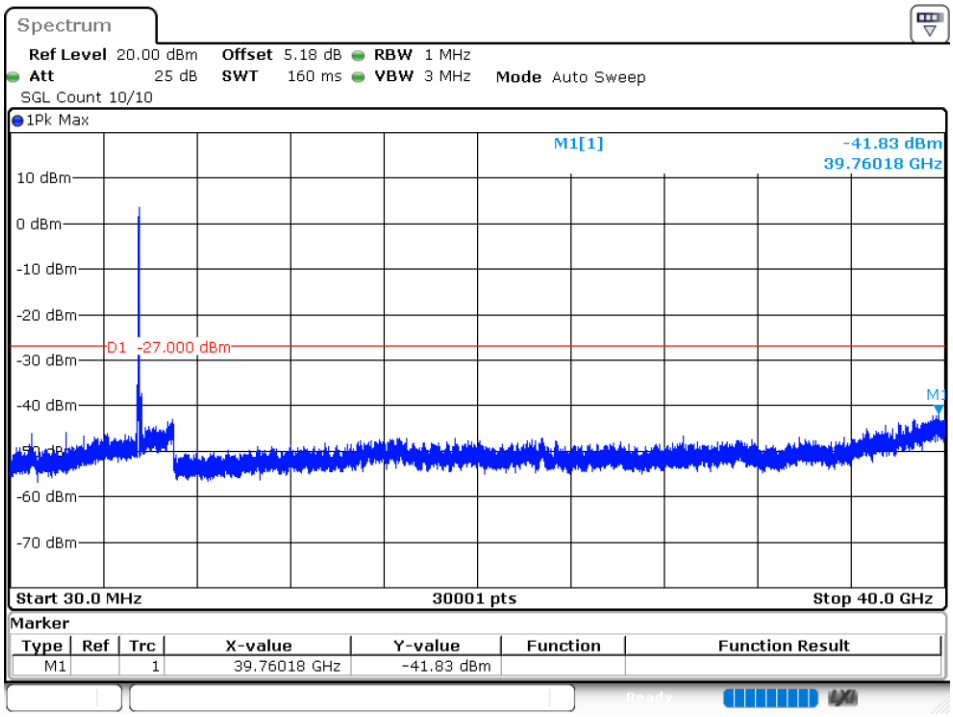
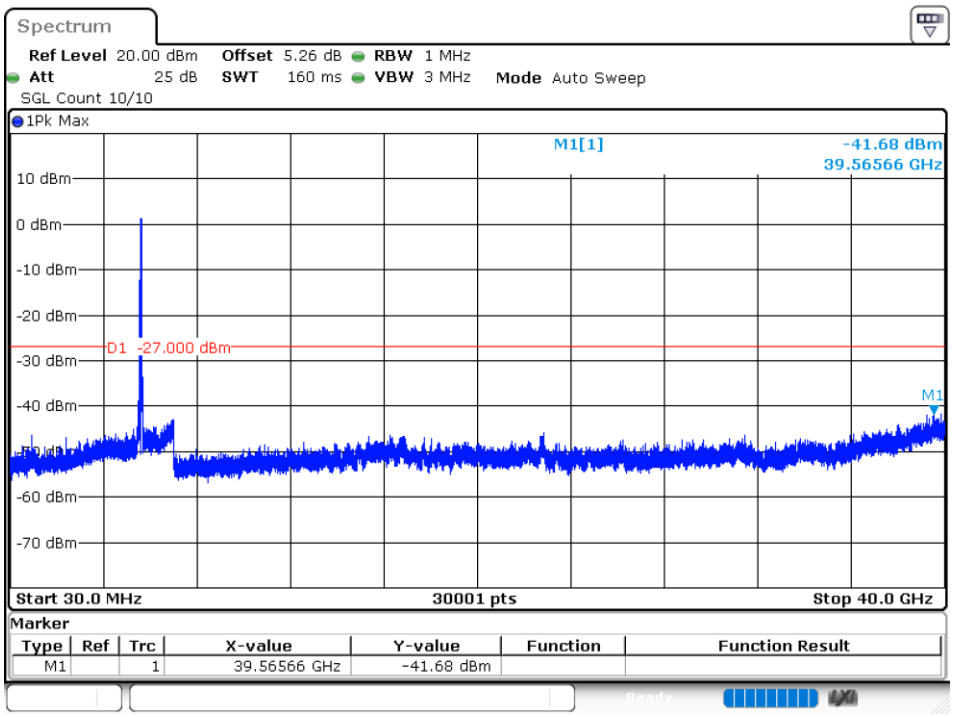


Tx. Spurious NVNT ax80 5610MHz Ant2 Emission



WIFI 5.6G MIMO

Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5500	Ant1	12.68	24	Pass
NVNT	ac20	5500	Ant2	13.43	24	Pass
NVNT	ac20	5500	Sum	16.08	24	Pass
NVNT	ac20	5600	Ant1	11.89	24	Pass
NVNT	ac20	5600	Ant2	13.41	24	Pass
NVNT	ac20	5600	Sum	15.73	24	Pass
NVNT	ac20	5700	Ant1	11.77	24	Pass
NVNT	ac20	5700	Ant2	13.2	24	Pass
NVNT	ac20	5700	Sum	15.55	24	Pass
NVNT	ac40	5510	Ant1	11.74	24	Pass
NVNT	ac40	5510	Ant2	12.67	24	Pass
NVNT	ac40	5510	Sum	15.24	24	Pass
NVNT	ac40	5590	Ant1	11.11	24	Pass
NVNT	ac40	5590	Ant2	12.68	24	Pass
NVNT	ac40	5590	Sum	14.98	24	Pass
NVNT	ac40	5670	Ant1	10.91	24	Pass
NVNT	ac40	5670	Ant2	12.6	24	Pass
NVNT	ac40	5670	Sum	14.85	24	Pass
NVNT	ac80	5530	Ant1	11.51	24	Pass
NVNT	ac80	5530	Ant2	12.44	24	Pass
NVNT	ac80	5530	Sum	15.01	24	Pass
NVNT	ac80	5610	Ant1	10.85	24	Pass
NVNT	ac80	5610	Ant2	12.4	24	Pass
NVNT	ac80	5610	Sum	14.7	24	Pass
NVNT	ax20	5500	Ant1	12.86	24	Pass
NVNT	ax20	5500	Ant2	13.72	24	Pass
NVNT	ax20	5500	Sum	16.32	24	Pass
NVNT	ax20	5600	Ant1	11.92	24	Pass
NVNT	ax20	5600	Ant2	13.79	24	Pass
NVNT	ax20	5600	Sum	15.97	24	Pass
NVNT	ax20	5700	Ant1	11.84	24	Pass
NVNT	ax20	5700	Ant2	13.52	24	Pass
NVNT	ax20	5700	Sum	15.77	24	Pass
NVNT	ax40	5510	Ant1	11.95	24	Pass
NVNT	ax40	5510	Ant2	12.82	24	Pass
NVNT	ax40	5510	Sum	15.42	24	Pass

NVNT	ax40	5590	Ant1	11.55	24	Pass
NVNT	ax40	5590	Ant2	12.92	24	Pass
NVNT	ax40	5590	Sum	15.3	24	Pass
NVNT	ax40	5670	Ant1	11.28	24	Pass
NVNT	ax40	5670	Ant2	12.87	24	Pass
NVNT	ax40	5670	Sum	15.16	24	Pass
NVNT	ax80	5530	Ant1	11.78	24	Pass
NVNT	ax80	5530	Ant2	12.69	24	Pass
NVNT	ax80	5530	Sum	15.27	24	Pass
NVNT	ax80	5610	Ant1	11.12	24	Pass
NVNT	ax80	5610	Ant2	12.76	24	Pass
NVNT	ax80	5610	Sum	15.03	24	Pass
NVNT	n20	5500	Ant1	12.61	24	Pass
NVNT	n20	5500	Ant2	13.35	24	Pass
NVNT	n20	5500	Sum	16.01	24	Pass
NVNT	n20	5600	Ant1	11.93	24	Pass
NVNT	n20	5600	Ant2	13.46	24	Pass
NVNT	n20	5600	Sum	15.77	24	Pass
NVNT	n20	5700	Ant1	11.77	24	Pass
NVNT	n20	5700	Ant2	13.18	24	Pass
NVNT	n20	5700	Sum	15.54	24	Pass
NVNT	n40	5510	Ant1	11.74	24	Pass
NVNT	n40	5510	Ant2	12.65	24	Pass
NVNT	n40	5510	Sum	15.23	24	Pass
NVNT	n40	5590	Ant1	11.08	24	Pass
NVNT	n40	5590	Ant2	12.58	24	Pass
NVNT	n40	5590	Sum	14.9	24	Pass
NVNT	n40	5670	Ant1	11	24	Pass
NVNT	n40	5670	Ant2	12.62	24	Pass
NVNT	n40	5670	Sum	14.9	24	Pass

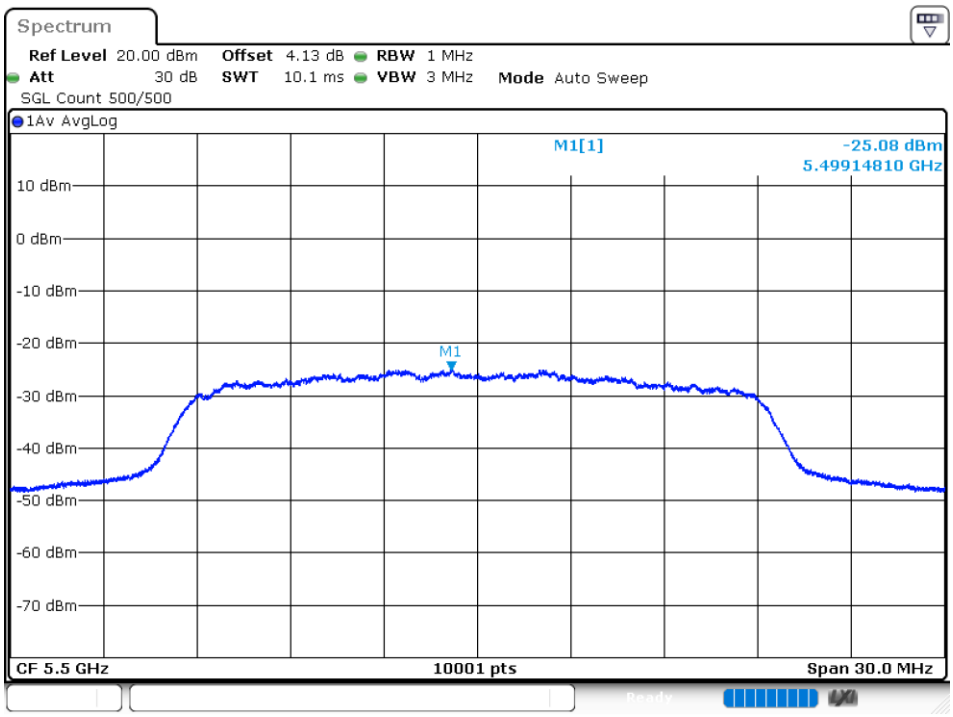
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5500	Ant1	-25.08	2.49	-22.59	11	Pass
NVNT	ac20	5500	Ant2	-24.16	2.49	-21.67	11	Pass
NVNT	ac20	5500	Sum	-21.59	2.49	-19.1	11	Pass
NVNT	ac20	5600	Ant1	-22.13	0	-22.13	11	Pass
NVNT	ac20	5600	Ant2	-22.68	0	-22.68	11	Pass
NVNT	ac20	5600	Sum	-19.39	0	-19.39	11	Pass
NVNT	ac20	5700	Ant1	-23.12	0	-23.12	11	Pass
NVNT	ac20	5700	Ant2	-21.53	0	-21.53	11	Pass
NVNT	ac20	5700	Sum	-19.24	0	-19.24	11	Pass
NVNT	ac40	5510	Ant1	-35.74	0	-35.74	11	Pass
NVNT	ac40	5510	Ant2	-35.5	0	-35.5	11	Pass
NVNT	ac40	5510	Sum	-32.61	0	-32.61	11	Pass
NVNT	ac40	5590	Ant1	-35.82	0	-35.82	11	Pass
NVNT	ac40	5590	Ant2	-35.2	0	-35.2	11	Pass
NVNT	ac40	5590	Sum	-32.49	0	-32.49	11	Pass
NVNT	ac40	5670	Ant1	-31.73	0	-31.73	11	Pass
NVNT	ac40	5670	Ant2	-32.13	0	-32.13	11	Pass
NVNT	ac40	5670	Sum	-28.92	0	-28.92	11	Pass
NVNT	ac80	5530	Ant1	-41.47	6.31	-35.16	11	Pass
NVNT	ac80	5530	Ant2	-40.36	6.31	-34.05	11	Pass
NVNT	ac80	5530	Sum	-37.87	6.31	-31.56	11	Pass
NVNT	ac80	5610	Ant1	-44.01	6.37	-37.64	11	Pass
NVNT	ac80	5610	Ant2	-43.2	6.37	-36.83	11	Pass
NVNT	ac80	5610	Sum	-40.58	6.37	-34.21	11	Pass
NVNT	ax20	5500	Ant1	-28.58	0	-28.58	11	Pass
NVNT	ax20	5500	Ant2	-28.53	0	-28.53	11	Pass
NVNT	ax20	5500	Sum	-25.54	0	-25.54	11	Pass
NVNT	ax20	5600	Ant1	-28.88	0	-28.88	11	Pass
NVNT	ax20	5600	Ant2	-27.46	0	-27.46	11	Pass
NVNT	ax20	5600	Sum	-25.1	0	-25.1	11	Pass
NVNT	ax20	5700	Ant1	-28.91	0	-28.91	11	Pass
NVNT	ax20	5700	Ant2	-27.85	0	-27.85	11	Pass
NVNT	ax20	5700	Sum	-25.34	0	-25.34	11	Pass
NVNT	ax40	5510	Ant1	-35.27	0	-35.27	11	Pass
NVNT	ax40	5510	Ant2	-34.16	0	-34.16	11	Pass
NVNT	ax40	5510	Sum	-31.67	0	-31.67	11	Pass
NVNT	ax40	5590	Ant1	-35.57	0	-35.57	11	Pass
NVNT	ax40	5590	Ant2	-33.28	0	-33.28	11	Pass
NVNT	ax40	5590	Sum	-31.27	0	-31.27	11	Pass
NVNT	ax40	5670	Ant1	-37.95	0	-37.95	11	Pass
NVNT	ax40	5670	Ant2	-37.16	0	-37.16	11	Pass

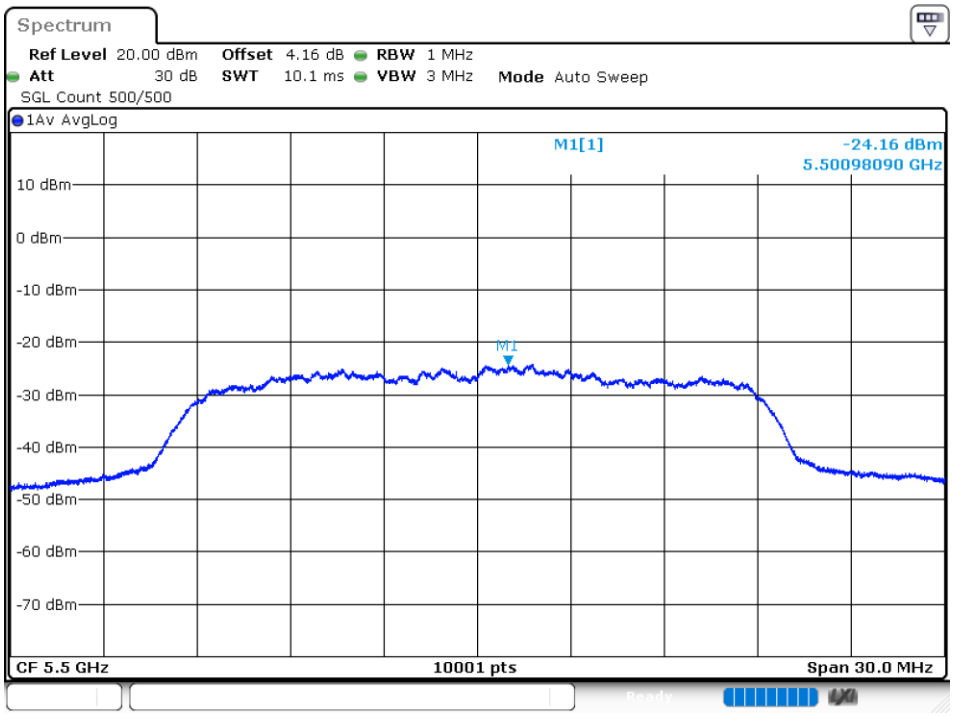
NVNT	ax40	5670	Sum	-34.53	0	-34.53	11	Pass
NVNT	ax80	5530	Ant1	-42.51	0	-42.51	11	Pass
NVNT	ax80	5530	Ant2	-41.75	0	-41.75	11	Pass
NVNT	ax80	5530	Sum	-39.1	0	-39.1	11	Pass
NVNT	ax80	5610	Ant1	-42.3	0	-42.3	11	Pass
NVNT	ax80	5610	Ant2	-41.84	0	-41.84	11	Pass
NVNT	ax80	5610	Sum	-39.05	0	-39.05	11	Pass
NVNT	n20	5500	Ant1	-23.79	2.7	-21.09	11	Pass
NVNT	n20	5500	Ant2	-22.01	2.7	-19.31	11	Pass
NVNT	n20	5500	Sum	-19.8	2.7	-17.1	11	Pass
NVNT	n20	5600	Ant1	-22.48	2.68	-19.8	11	Pass
NVNT	n20	5600	Ant2	-22.33	2.68	-19.65	11	Pass
NVNT	n20	5600	Sum	-19.39	2.68	-16.71	11	Pass
NVNT	n20	5700	Ant1	-24.62	2.7	-21.92	11	Pass
NVNT	n20	5700	Ant2	-23.96	2.7	-21.26	11	Pass
NVNT	n20	5700	Sum	-21.27	2.7	-18.57	11	Pass
NVNT	n40	5510	Ant1	-34.09	4.28	-29.81	11	Pass
NVNT	n40	5510	Ant2	-35.66	4.28	-31.38	11	Pass
NVNT	n40	5510	Sum	-31.79	4.28	-27.51	11	Pass
NVNT	n40	5590	Ant1	-35.91	4.22	-31.69	11	Pass
NVNT	n40	5590	Ant2	-35.22	4.22	-31	11	Pass
NVNT	n40	5590	Sum	-32.54	4.22	-28.32	11	Pass
NVNT	n40	5670	Ant1	-29.53	4.28	-25.25	11	Pass
NVNT	n40	5670	Ant2	-29.98	4.28	-25.7	11	Pass
NVNT	n40	5670	Sum	-26.74	4.28	-22.46	11	Pass

Test Graphs

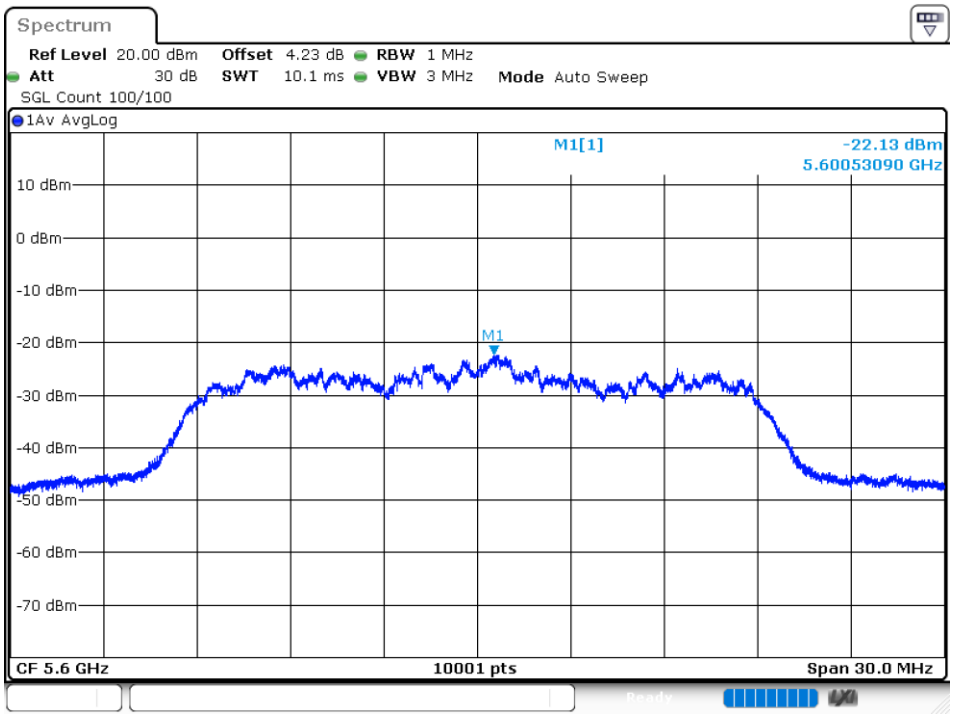
PSD NVNT ac20 5500MHz Ant1



PSD NVNT ac20 5500MHz Ant2



PSD NVNT ac20 5600MHz Ant1



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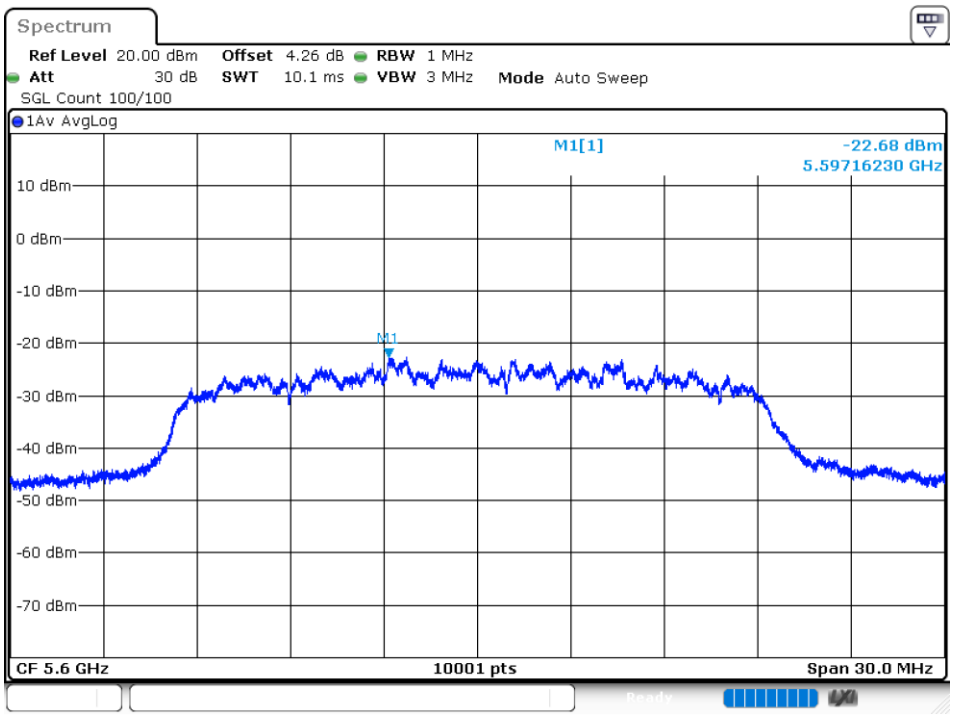
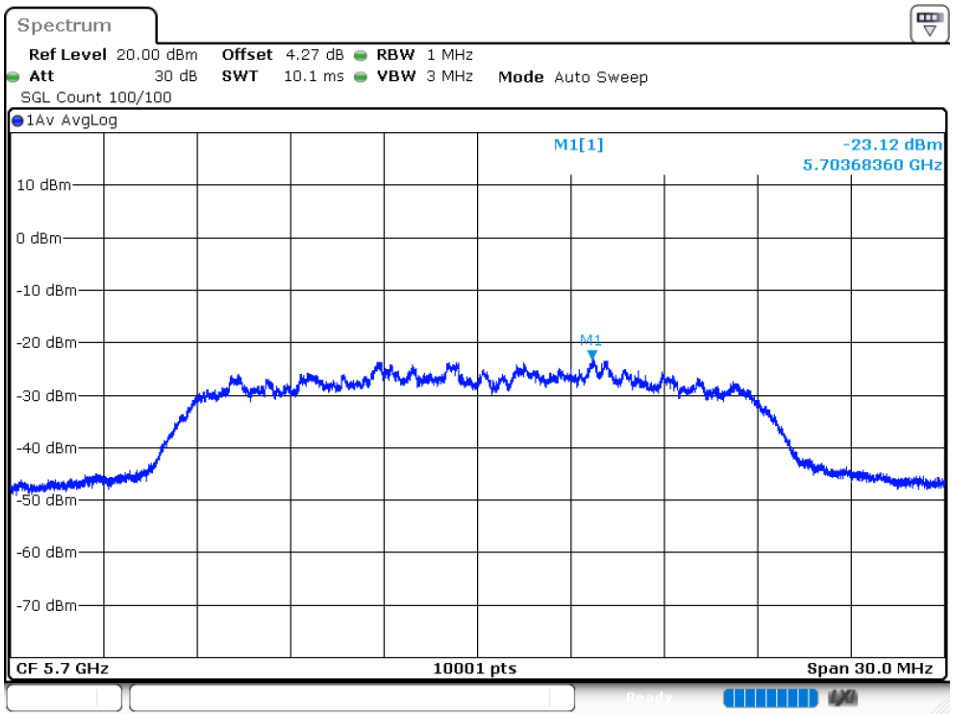
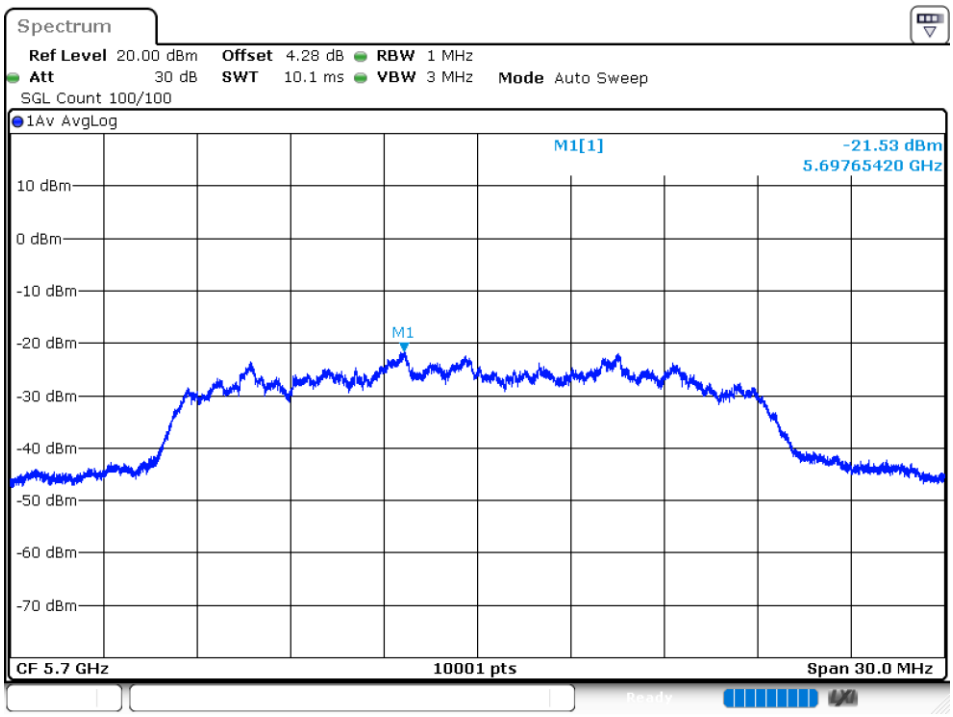


PSD NVNT ac20 5700MHz Ant1



PSD NVNT ac20 5700MHz Ant2