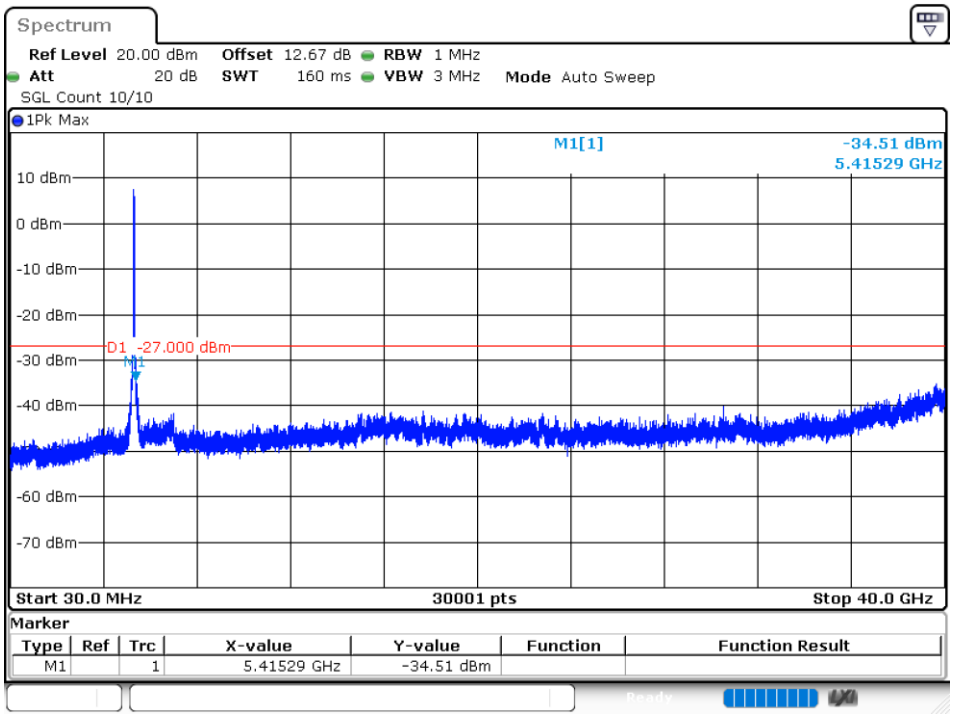
Tx. Spurious NVNT ax40 5310MHz Ant1 Emission



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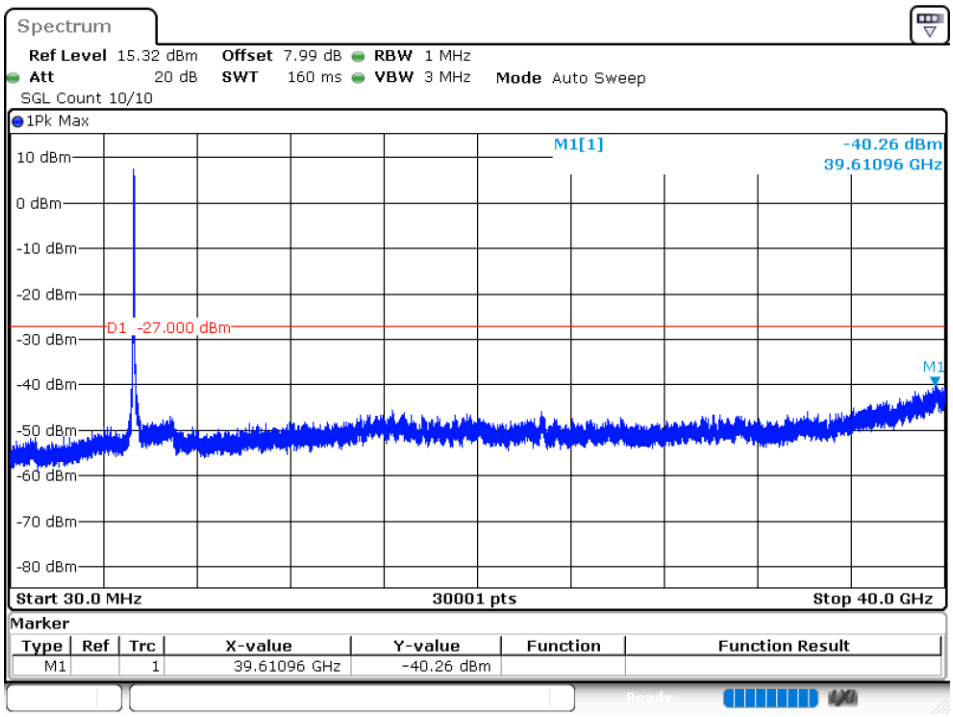

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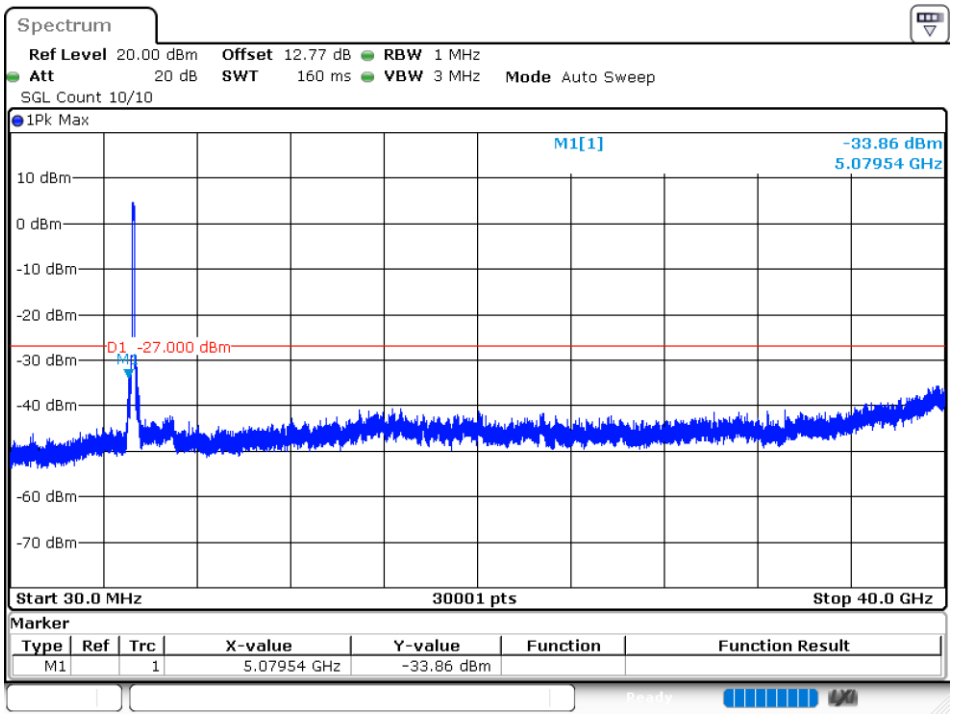

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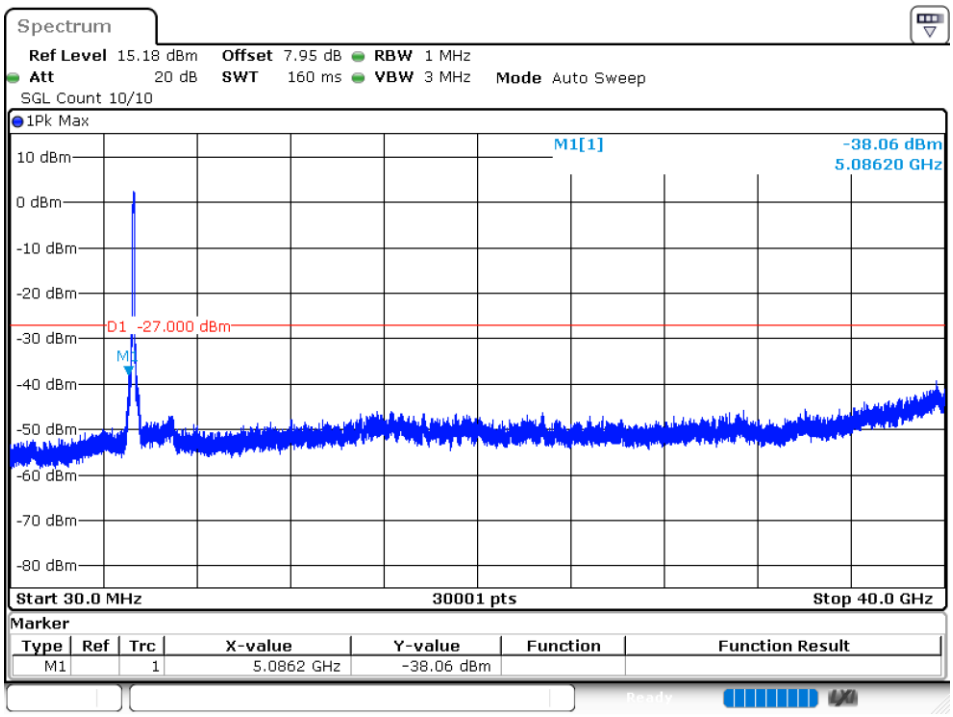

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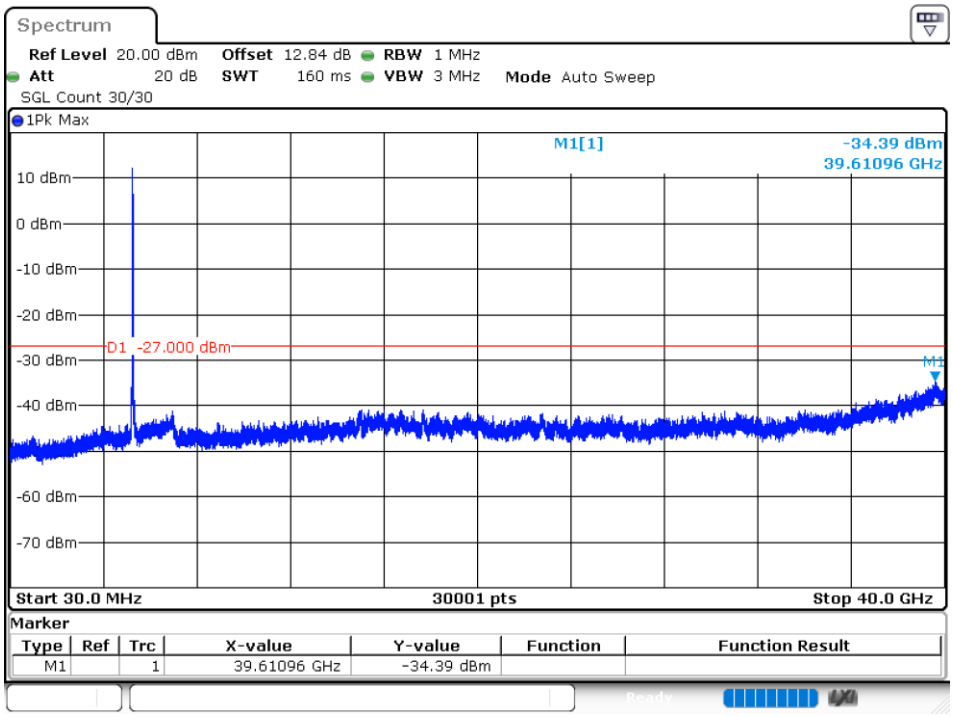

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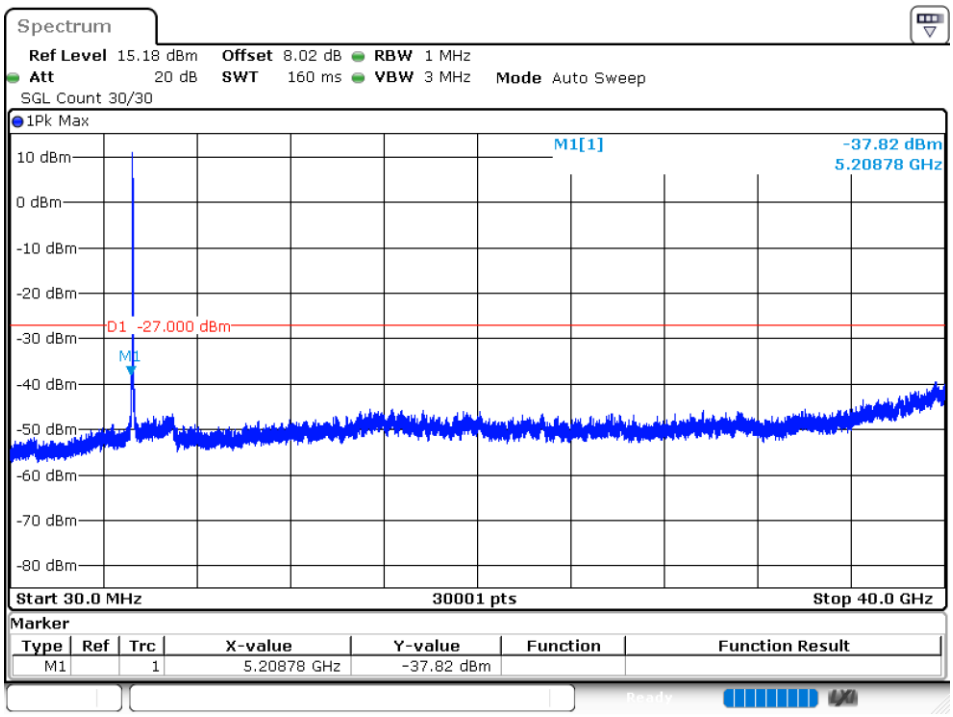

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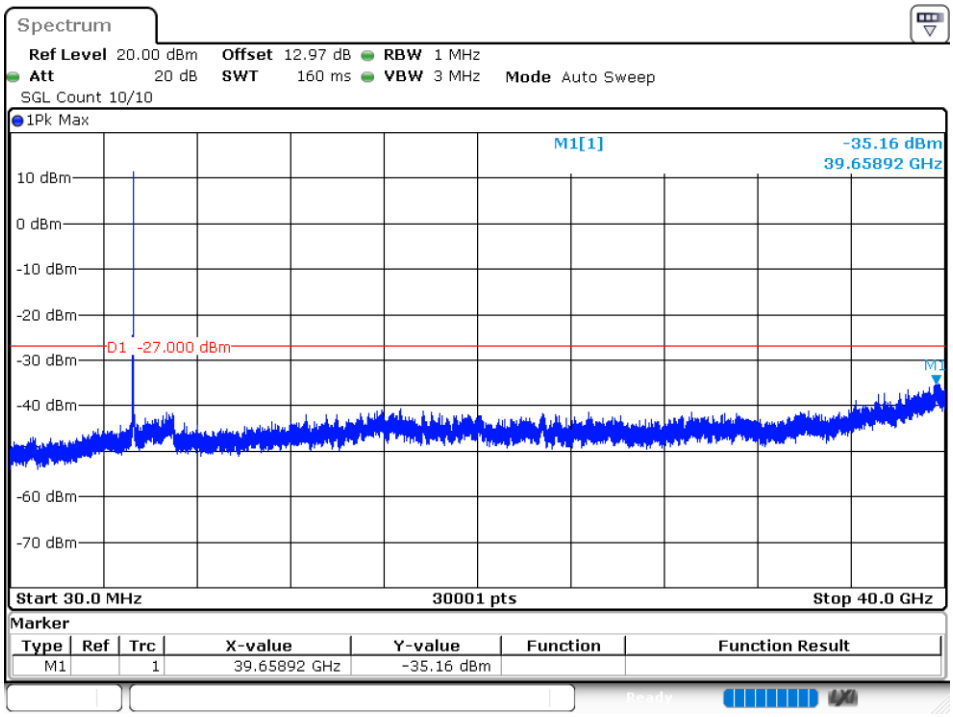

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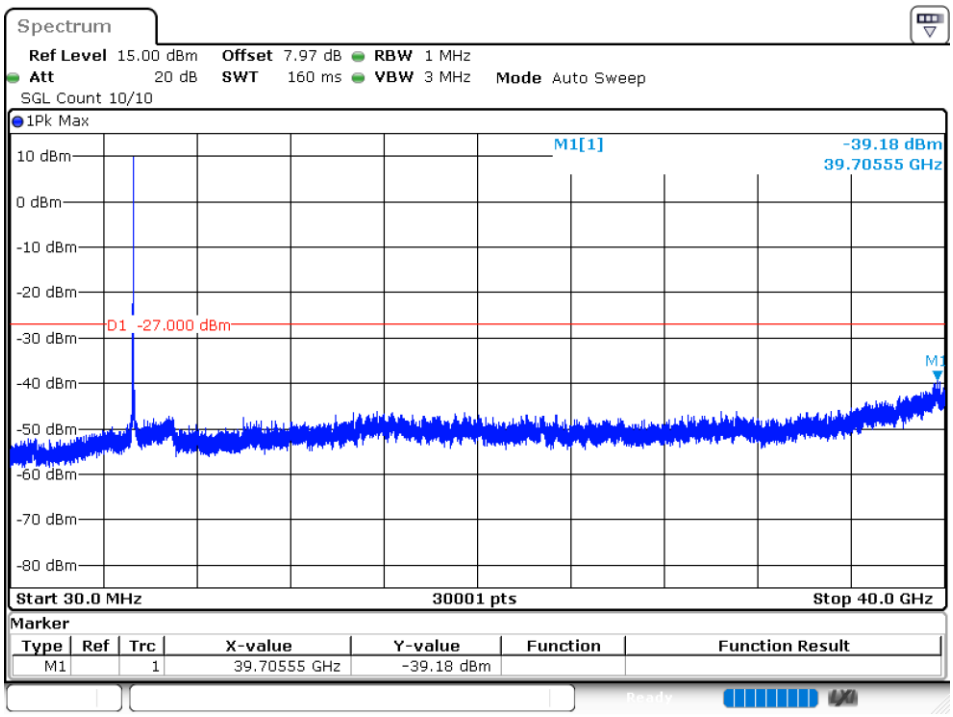

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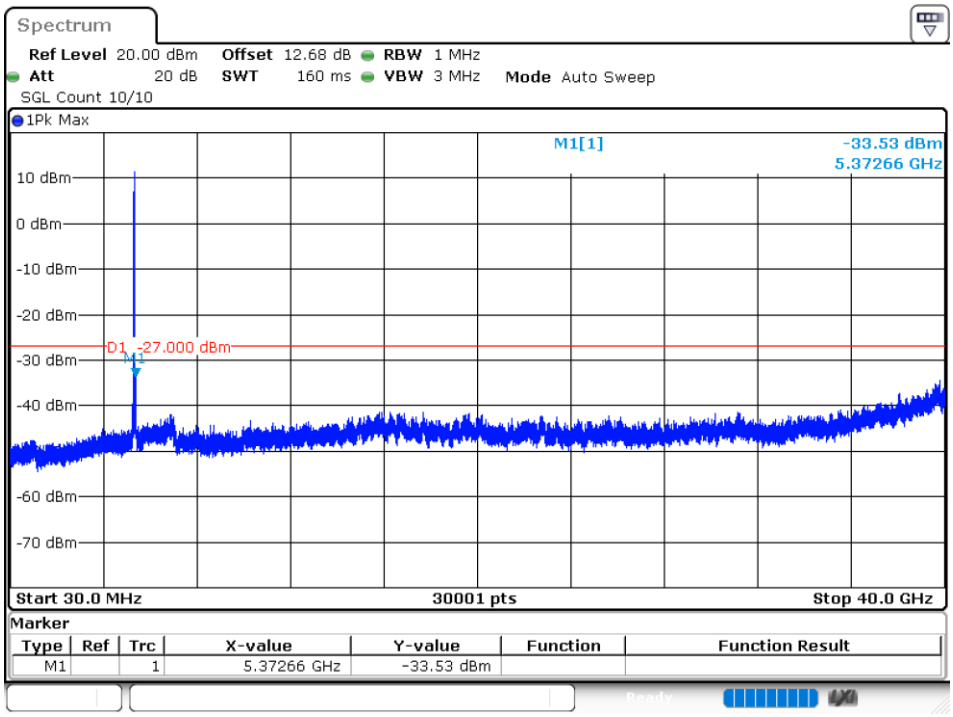

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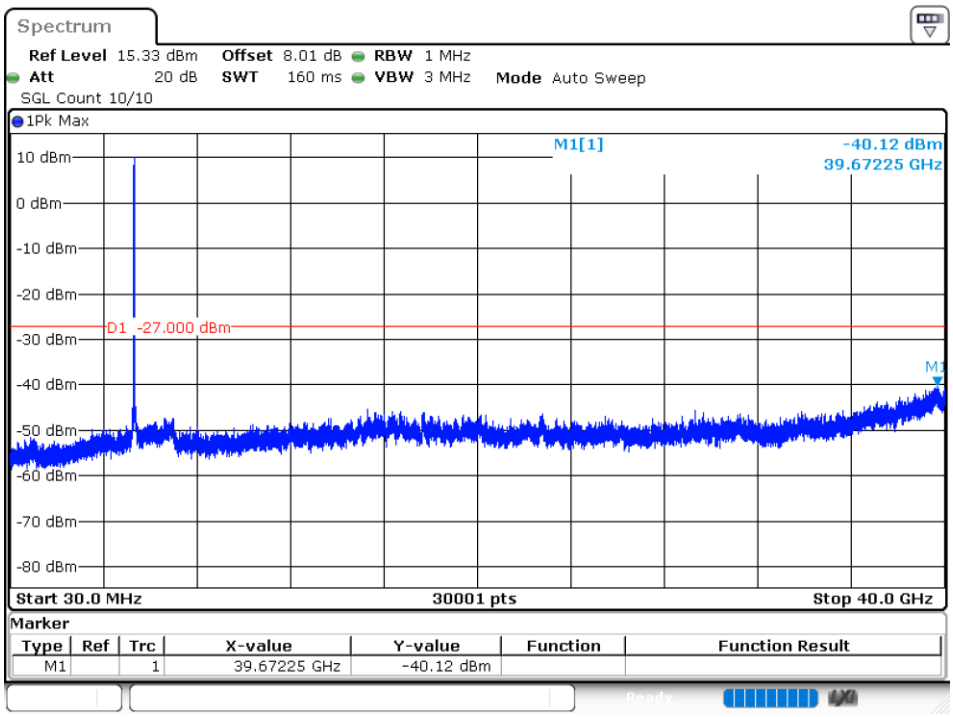

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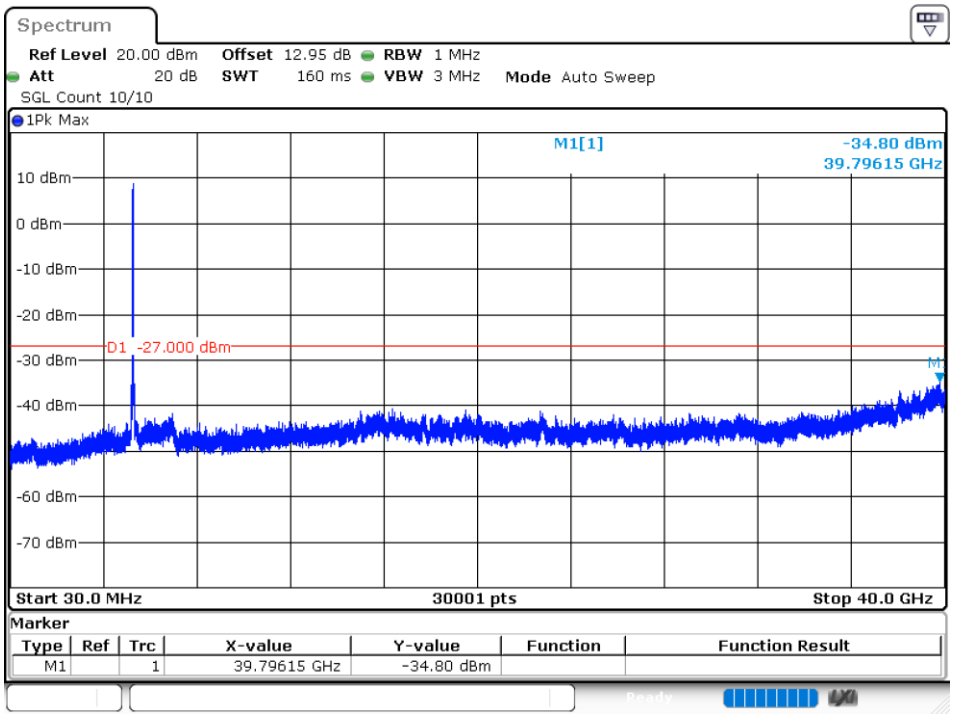

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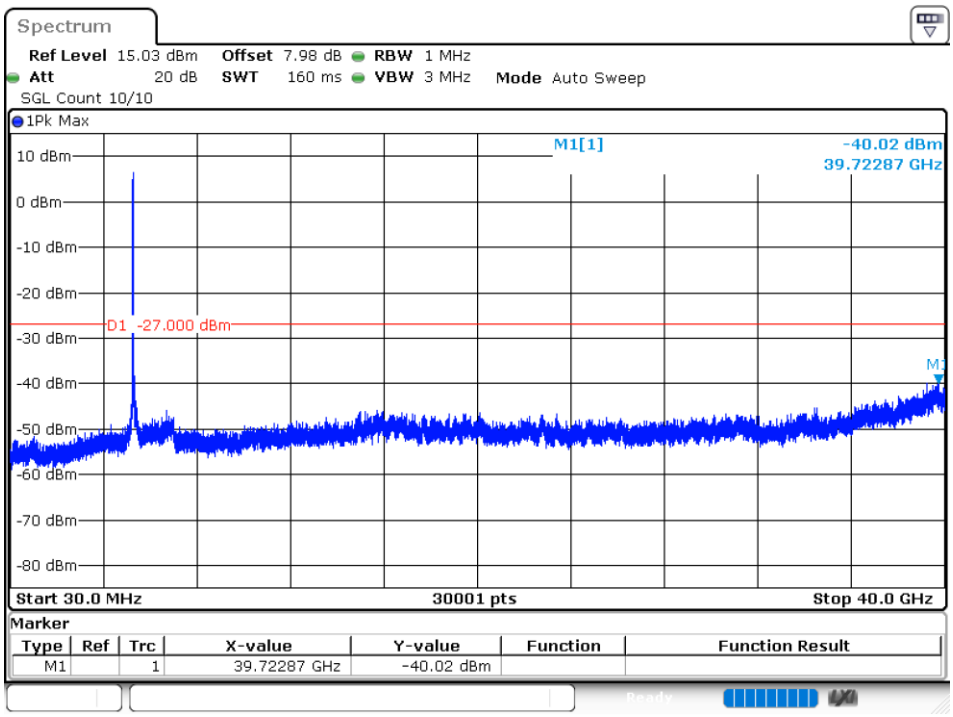

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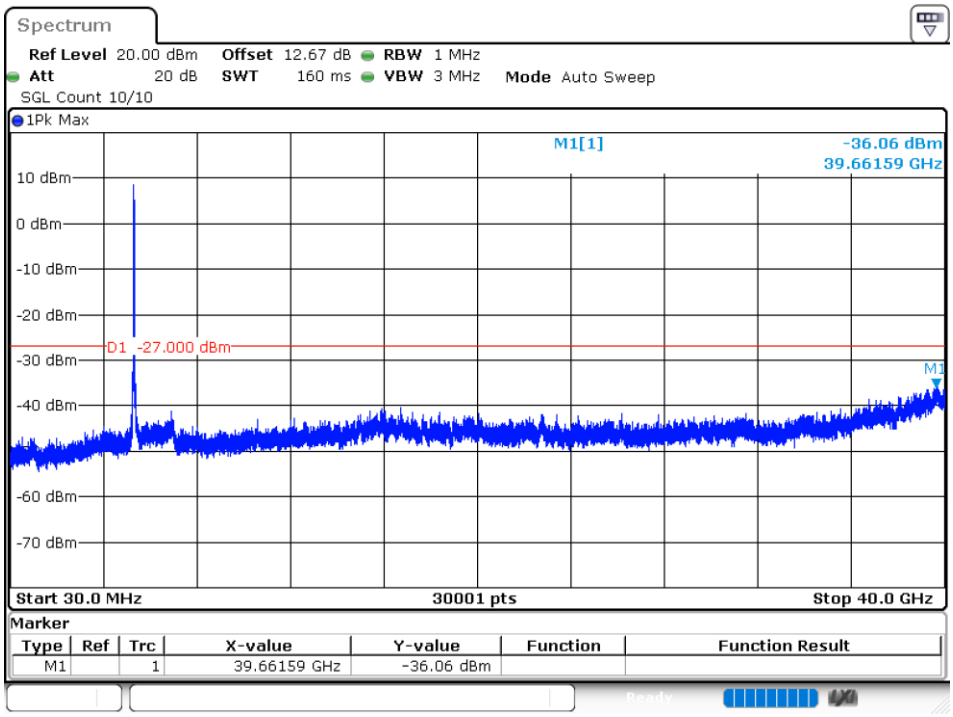

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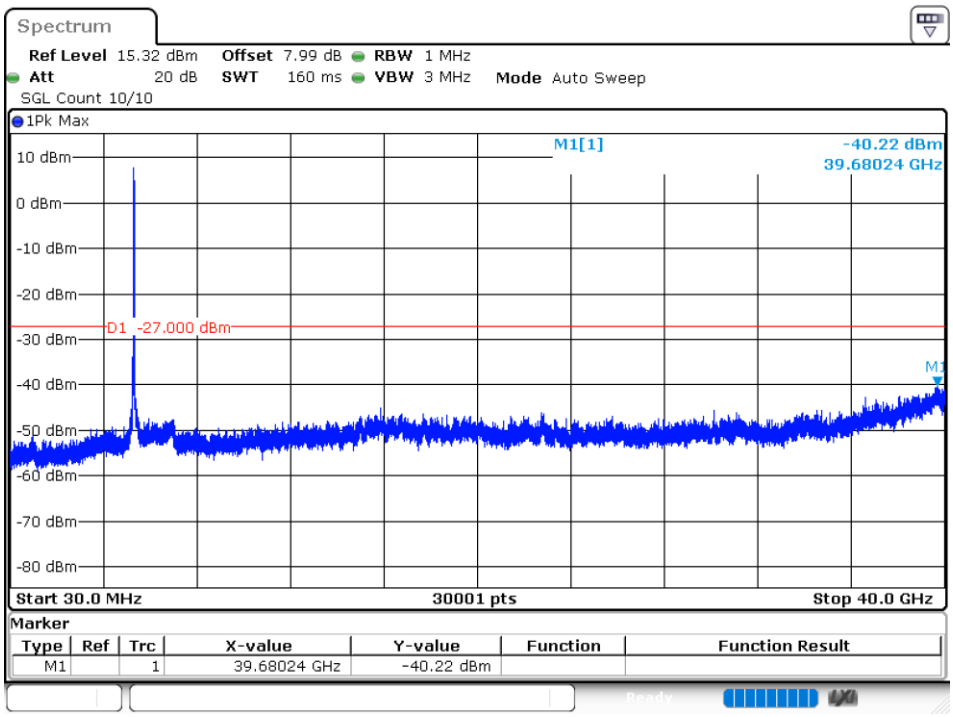


5.6G(FCC):

Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5500	Ant1	8.39	0.02	8.41	24	Pass
NVNT	ac20	5500	Ant2	6.37	0.02	6.39	24	Pass
NVNT	ac20	5500	Sum	10.51	0.02	10.53	24	Pass
NVNT	ac20	5600	Ant1	9.38	0.01	9.39	24	Pass
NVNT	ac20	5600	Ant2	6.78	0.01	6.79	24	Pass
NVNT	ac20	5600	Sum	11.28	0.01	11.29	24	Pass
NVNT	ac20	5700	Ant1	8.94	0.01	8.95	24	Pass
NVNT	ac20	5700	Ant2	5.97	0.01	5.98	24	Pass
NVNT	ac20	5700	Sum	10.71	0.01	10.72	24	Pass
NVNT	ac40	5510	Ant1	8.13	0.02	8.15	24	Pass
NVNT	ac40	5510	Ant2	6.36	0.02	6.38	24	Pass
NVNT	ac40	5510	Sum	10.34	0.02	10.36	24	Pass
NVNT	ac40	5590	Ant1	8.47	0.02	8.49	24	Pass
NVNT	ac40	5590	Ant2	6.24	0.02	6.26	24	Pass
NVNT	ac40	5590	Sum	10.51	0.02	10.53	24	Pass
NVNT	ac40	5670	Ant1	9.15	0.02	9.17	24	Pass
NVNT	ac40	5670	Ant2	6.36	0.02	6.38	24	Pass
NVNT	ac40	5670	Sum	10.99	0.02	11.01	24	Pass
NVNT	ac80	5530	Ant1	9.27	1.19	10.46	24	Pass
NVNT	ac80	5530	Ant2	7.28	1.19	8.47	24	Pass
NVNT	ac80	5530	Sum	11.4	1.19	12.59	24	Pass
NVNT	ac80	5610	Ant1	10.08	1.19	11.27	24	Pass
NVNT	ac80	5610	Ant2	6.74	1.19	7.93	24	Pass
NVNT	ac80	5610	Sum	11.73	1.19	12.92	24	Pass
NVNT	ax20	5500	Ant1	8.76	0.17	8.93	24	Pass
NVNT	ax20	5500	Ant2	6.71	0.17	6.88	24	Pass
NVNT	ax20	5500	Sum	10.87	0.17	11.04	24	Pass
NVNT	ax20	5600	Ant1	8.85	0.16	9.01	24	Pass
NVNT	ax20	5600	Ant2	6.16	0.16	6.32	24	Pass
NVNT	ax20	5600	Sum	10.72	0.16	10.88	24	Pass
NVNT	ax20	5700	Ant1	9.31	0.16	9.47	24	Pass

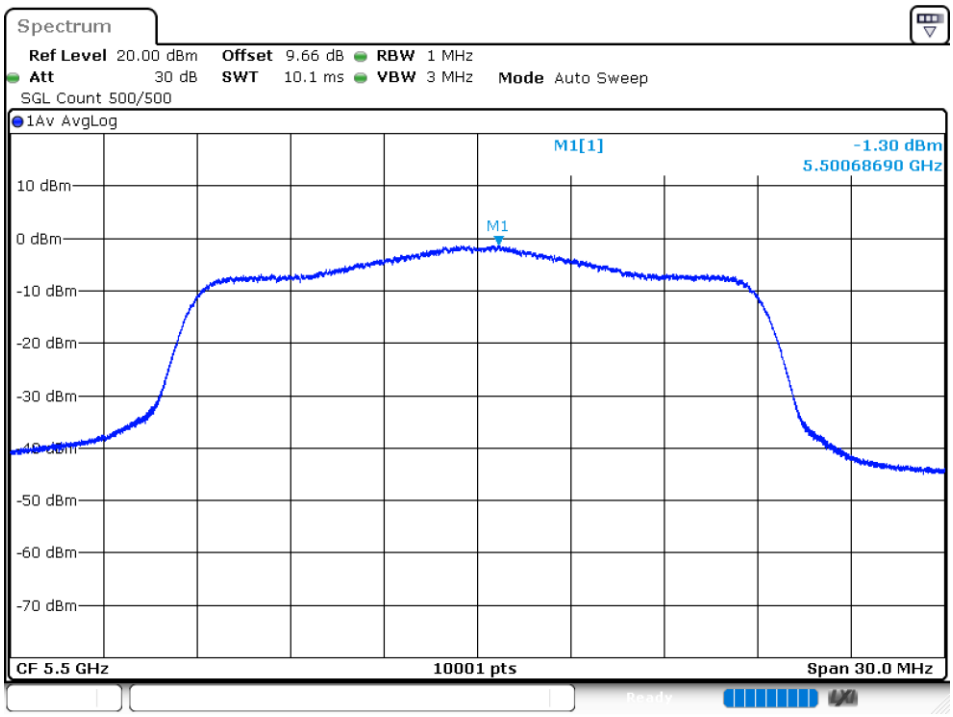
NVNT	ax20	5700	Ant2	6.09	0.16	6.25	24	Pass
NVNT	ax20	5700	Sum	11	0.16	11.16	24	Pass
NVNT	ax40	5510	Ant1	7.45	0.03	7.48	24	Pass
NVNT	ax40	5510	Ant2	5.84	0.03	5.87	24	Pass
NVNT	ax40	5510	Sum	9.73	0.03	9.76	24	Pass
NVNT	ax40	5590	Ant1	9	1.17	10.17	24	Pass
NVNT	ax40	5590	Ant2	6.46	1.17	7.63	24	Pass
NVNT	ax40	5590	Sum	10.92	1.17	12.09	24	Pass
NVNT	ax40	5670	Ant1	9.21	1.17	10.38	24	Pass
NVNT	ax40	5670	Ant2	4.72	1.17	5.89	24	Pass
NVNT	ax40	5670	Sum	10.53	1.17	11.7	24	Pass
NVNT	ax80	5530	Ant1	9.52	0.17	9.69	24	Pass
NVNT	ax80	5530	Ant2	7.51	0.17	7.68	24	Pass
NVNT	ax80	5530	Sum	11.64	0.17	11.81	24	Pass
NVNT	ax80	5610	Ant1	9.4	1.16	10.56	24	Pass
NVNT	ax80	5610	Ant2	6.3	1.16	7.46	24	Pass
NVNT	ax80	5610	Sum	11.13	1.16	12.29	24	Pass
NVNT	n20	5500	Ant1	9.44	0.01	9.45	24	Pass
NVNT	n20	5500	Ant2	7.3	0.01	7.31	24	Pass
NVNT	n20	5500	Sum	11.51	0.01	11.52	24	Pass
NVNT	n20	5600	Ant1	10.53	0.01	10.54	24	Pass
NVNT	n20	5600	Ant2	7.79	0.01	7.8	24	Pass
NVNT	n20	5600	Sum	12.38	0.01	12.39	24	Pass
NVNT	n20	5700	Ant1	10.31	0.01	10.32	24	Pass
NVNT	n20	5700	Ant2	7.05	0.01	7.06	24	Pass
NVNT	n20	5700	Sum	11.99	0.01	12	24	Pass
NVNT	n40	5510	Ant1	8.09	0.01	8.1	24	Pass
NVNT	n40	5510	Ant2	4.55	0.01	4.56	24	Pass
NVNT	n40	5510	Sum	9.68	0.01	9.69	24	Pass
NVNT	n40	5590	Ant1	10.18	1.18	11.36	24	Pass
NVNT	n40	5590	Ant2	5.79	1.18	6.97	24	Pass
NVNT	n40	5590	Sum	11.53	1.18	12.71	24	Pass
NVNT	n40	5670	Ant1	9.98	1.17	11.15	24	Pass
NVNT	n40	5670	Ant2	7.21	1.17	8.38	24	Pass
NVNT	n40	5670	Sum	11.82	1.17	12.99	24	Pass

Maximum Power Spectral Density Level

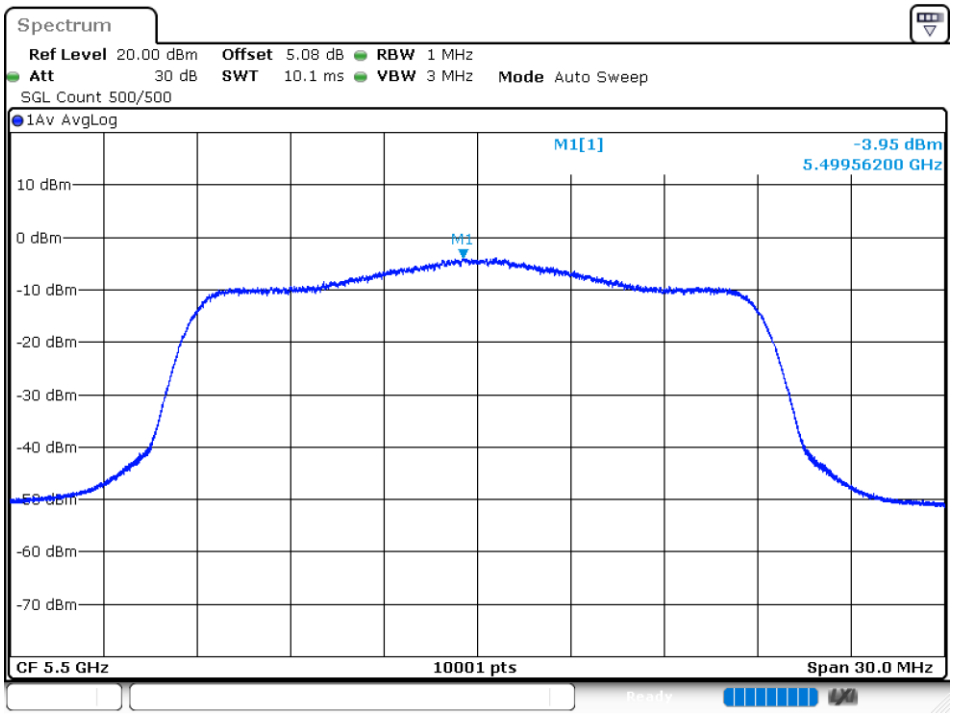
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5500	Ant1	-1.3	0.02	-1.28	11	Pass
NVNT	ac20	5500	Ant2	-3.95	0.02	-3.93	11	Pass
NVNT	ac20	5500	Sum	0.58	0.02	0.6	11	Pass
NVNT	ac20	5600	Ant1	-10.18	0.01	-10.17	11	Pass
NVNT	ac20	5600	Ant2	-2.68	0.01	-2.67	11	Pass
NVNT	ac20	5600	Sum	-1.97	0.01	-1.96	11	Pass
NVNT	ac20	5700	Ant1	-1.21	0.01	-1.2	11	Pass
NVNT	ac20	5700	Ant2	-3.68	0.01	-3.67	11	Pass
NVNT	ac20	5700	Sum	0.74	0.01	0.75	11	Pass
NVNT	ac40	5510	Ant1	-7.13	0.02	-7.11	11	Pass
NVNT	ac40	5510	Ant2	-9.1	0.02	-9.08	11	Pass
NVNT	ac40	5510	Sum	-4.99	0.02	-4.97	11	Pass
NVNT	ac40	5590	Ant1	-8.03	0.02	-8.01	11	Pass
NVNT	ac40	5590	Ant2	-10.34	0.02	-10.32	11	Pass
NVNT	ac40	5590	Sum	-6.02	0.02	-6	11	Pass
NVNT	ac40	5670	Ant1	-13.15	0.02	-13.13	11	Pass
NVNT	ac40	5670	Ant2	-12.44	0.02	-12.42	11	Pass
NVNT	ac40	5670	Sum	-9.77	0.02	-9.75	11	Pass
NVNT	ac80	5530	Ant1	-6.73	1.19	-5.54	11	Pass
NVNT	ac80	5530	Ant2	-7.13	1.19	-5.94	11	Pass
NVNT	ac80	5530	Sum	-3.92	1.19	-2.73	11	Pass
NVNT	ac80	5610	Ant1	-10.39	1.19	-9.2	11	Pass
NVNT	ac80	5610	Ant2	-13.43	1.19	-12.24	11	Pass
NVNT	ac80	5610	Sum	-8.64	1.19	-7.45	11	Pass
NVNT	ax20	5500	Ant1	-7.42	0.17	-7.25	11	Pass
NVNT	ax20	5500	Ant2	-10.21	0.17	-10.04	11	Pass
NVNT	ax20	5500	Sum	-5.58	0.17	-5.41	11	Pass
NVNT	ax20	5600	Ant1	-7.22	0.16	-7.06	11	Pass
NVNT	ax20	5600	Ant2	-10.47	0.16	-10.31	11	Pass
NVNT	ax20	5600	Sum	-5.54	0.16	-5.38	11	Pass
NVNT	ax20	5700	Ant1	-5.65	0.16	-5.49	11	Pass
NVNT	ax20	5700	Ant2	-9.26	0.16	-9.1	11	Pass
NVNT	ax20	5700	Sum	-4.08	0.16	-3.92	11	Pass
NVNT	ax40	5510	Ant1	-10.66	0.03	-10.63	11	Pass
NVNT	ax40	5510	Ant2	-13.06	0.03	-13.03	11	Pass
NVNT	ax40	5510	Sum	-8.69	0.03	-8.66	11	Pass

NVNT	ax40	5590	Ant1	-13.29	1.17	-12.12	11	Pass
NVNT	ax40	5590	Ant2	-17.64	1.17	-16.47	11	Pass
NVNT	ax40	5590	Sum	-11.93	1.17	-10.76	11	Pass
NVNT	ax40	5670	Ant1	-11.2	1.17	-10.03	11	Pass
NVNT	ax40	5670	Ant2	-16.08	1.17	-14.91	11	Pass
NVNT	ax40	5670	Sum	-9.98	1.17	-8.81	11	Pass
NVNT	ax80	5530	Ant1	-10.82	0.17	-10.65	11	Pass
NVNT	ax80	5530	Ant2	-11.75	0.17	-11.58	11	Pass
NVNT	ax80	5530	Sum	-8.25	0.17	-8.08	11	Pass
NVNT	ax80	5610	Ant1	-14.85	1.16	-13.69	11	Pass
NVNT	ax80	5610	Ant2	-12.97	1.16	-11.81	11	Pass
NVNT	ax80	5610	Sum	-10.8	1.16	-9.64	11	Pass
NVNT	n20	5500	Ant1	0.09	0.01	0.1	11	Pass
NVNT	n20	5500	Ant2	-2.28	0.01	-2.27	11	Pass
NVNT	n20	5500	Sum	2.08	0.01	2.09	11	Pass
NVNT	n20	5600	Ant1	-4.77	0.01	-4.76	11	Pass
NVNT	n20	5600	Ant2	-1.68	0.01	-1.67	11	Pass
NVNT	n20	5600	Sum	0.05	0.01	0.06	11	Pass
NVNT	n20	5700	Ant1	-5.91	0.01	-5.9	11	Pass
NVNT	n20	5700	Ant2	-9.73	0.01	-9.72	11	Pass
NVNT	n20	5700	Sum	-4.4	0.01	-4.39	11	Pass
NVNT	n40	5510	Ant1	-3.76	0.01	-3.75	11	Pass
NVNT	n40	5510	Ant2	-8.76	0.01	-8.75	11	Pass
NVNT	n40	5510	Sum	-2.57	0.01	-2.56	11	Pass
NVNT	n40	5590	Ant1	-7.53	1.18	-6.35	11	Pass
NVNT	n40	5590	Ant2	-13.83	1.18	-12.65	11	Pass
NVNT	n40	5590	Sum	-6.62	1.18	-5.44	11	Pass
NVNT	n40	5670	Ant1	-9.06	1.17	-7.89	11	Pass
NVNT	n40	5670	Ant2	-14.46	1.17	-13.29	11	Pass
NVNT	n40	5670	Sum	-7.96	1.17	-6.79	11	Pass

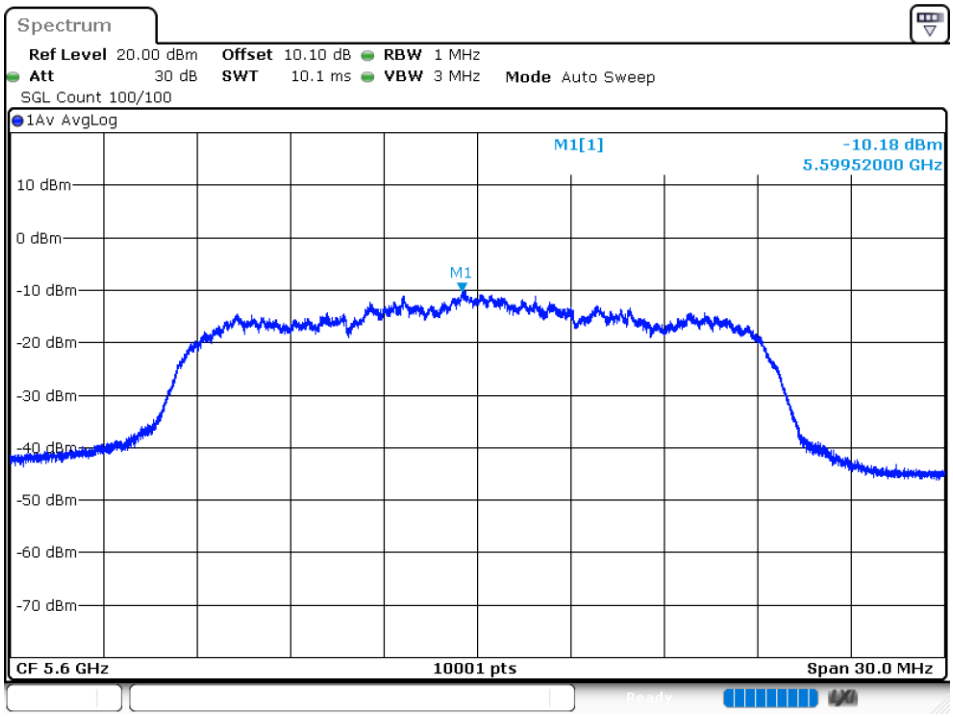
Test Graphs
PSD NVNT ac20 5500MHz Ant1



PSD NVNT ac20 5500MHz Ant2



PSD NVNT ac20 5600MHz Ant1



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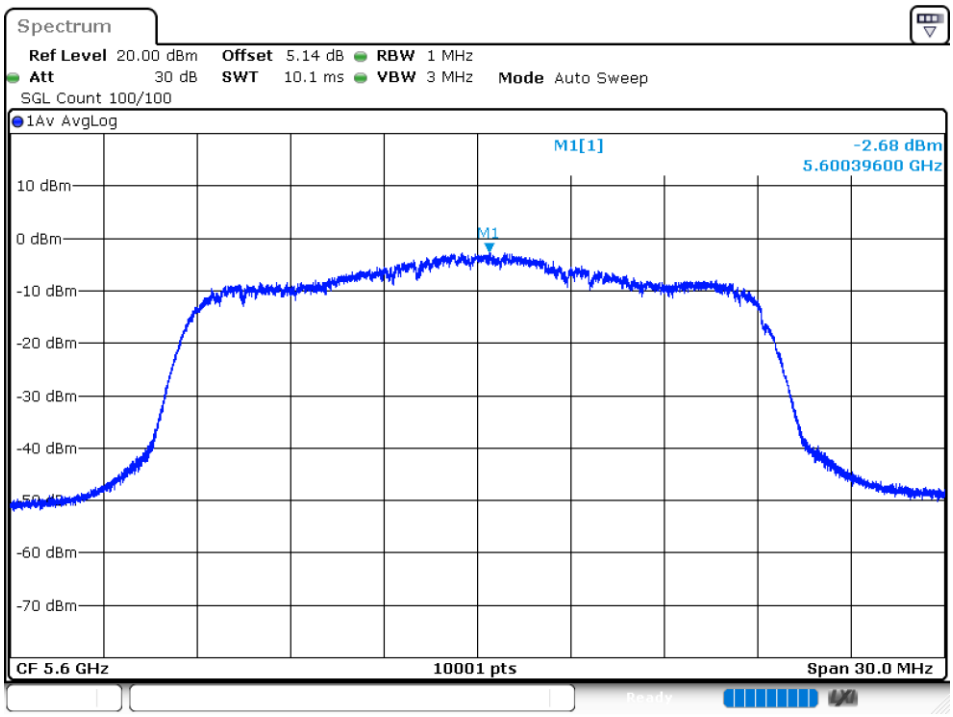
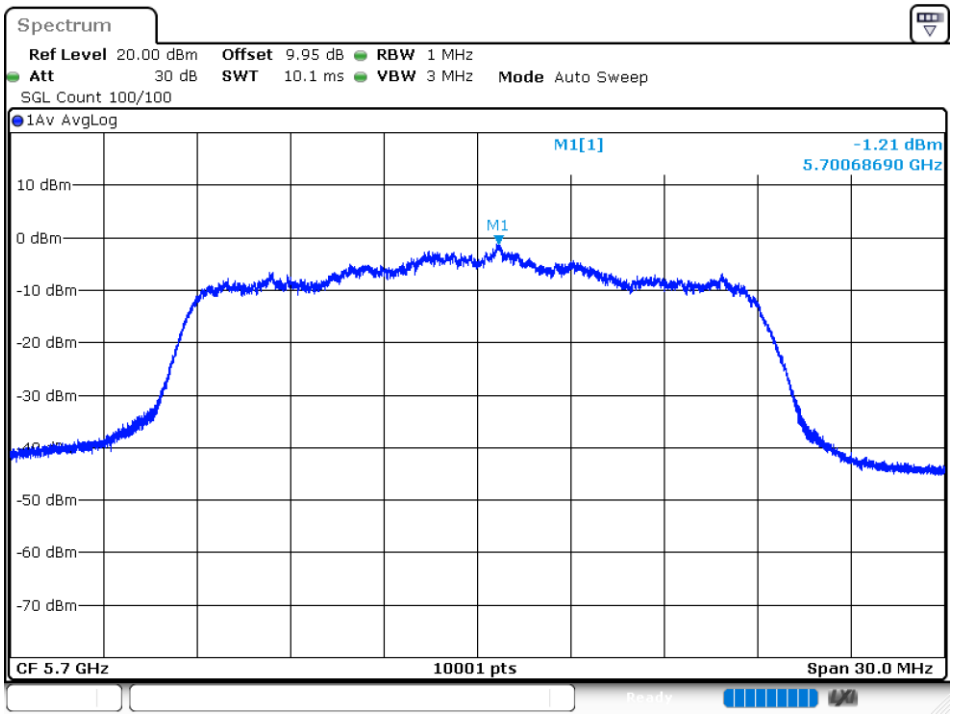


PSD NVNT ac20 5700MHz Ant1



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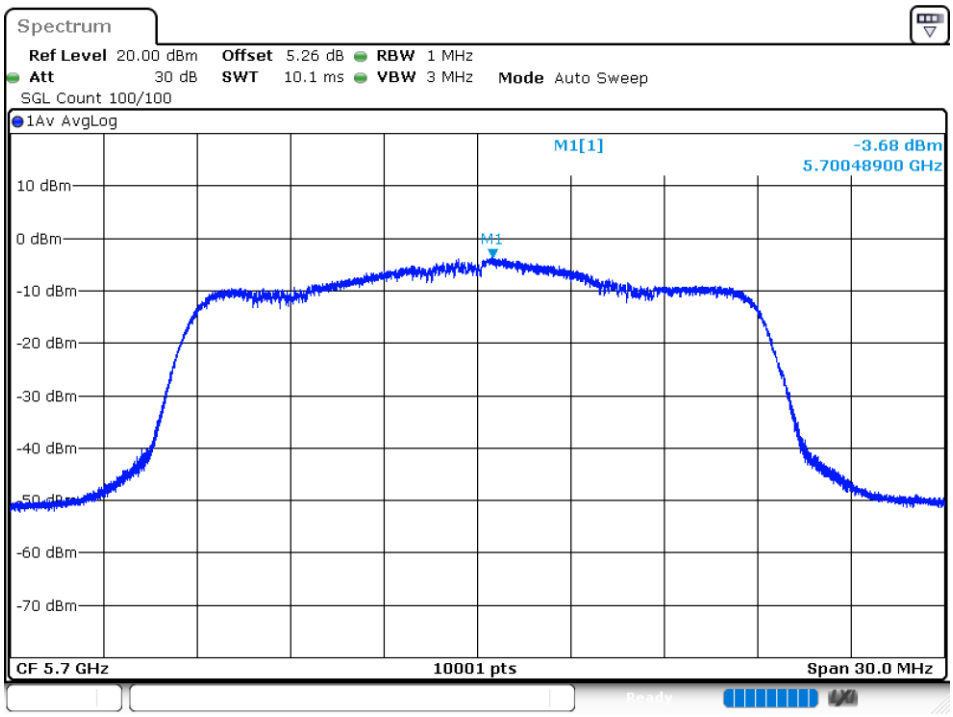
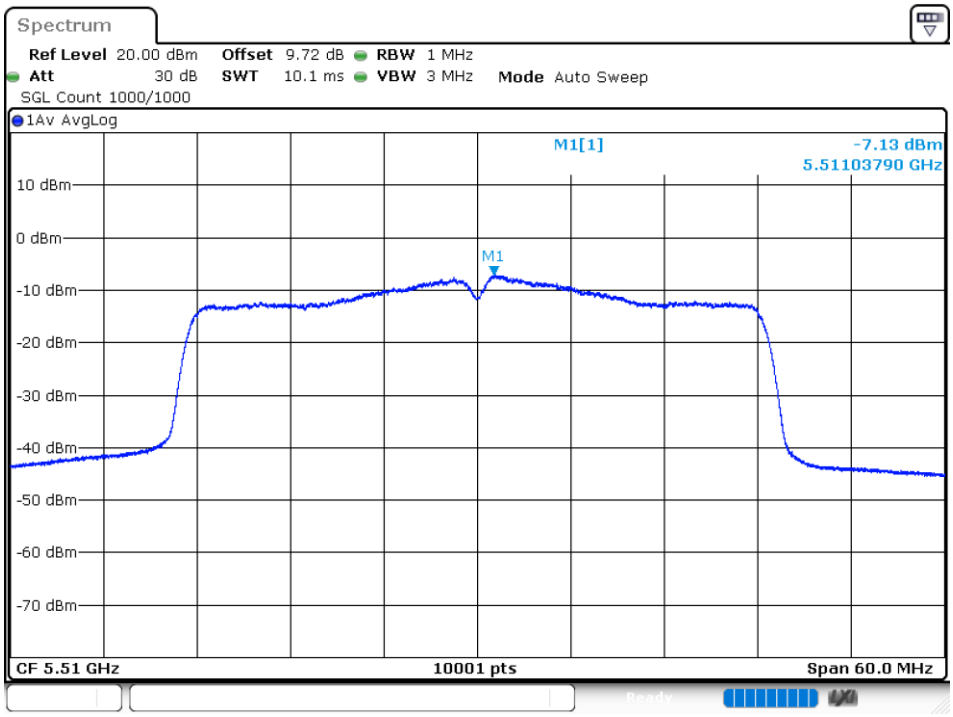
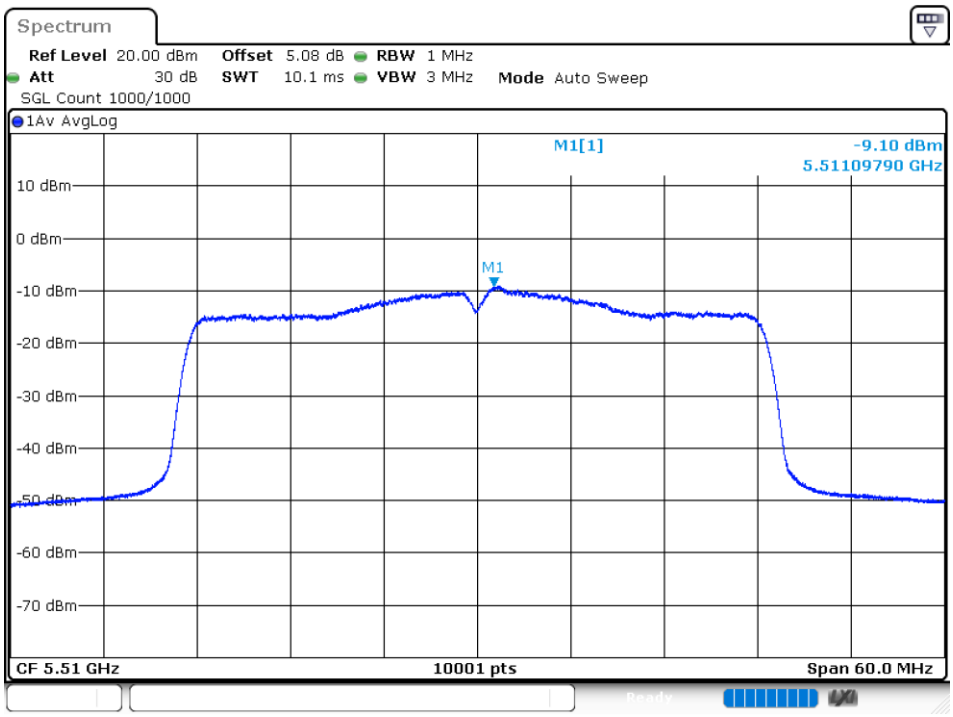


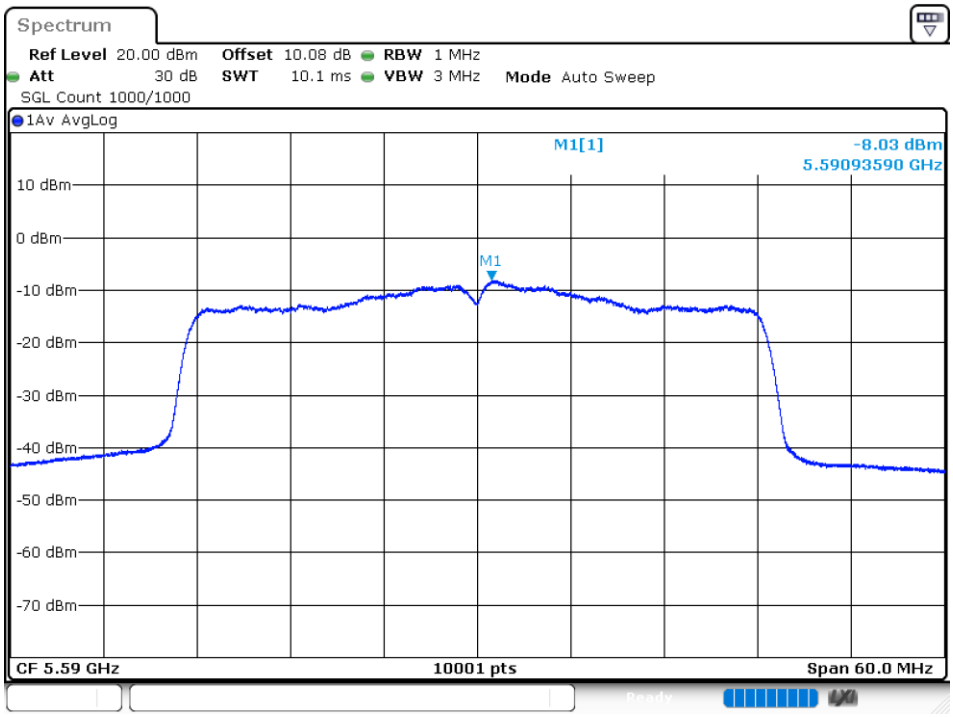
PSD NVNT ac40 5510MHz Ant1



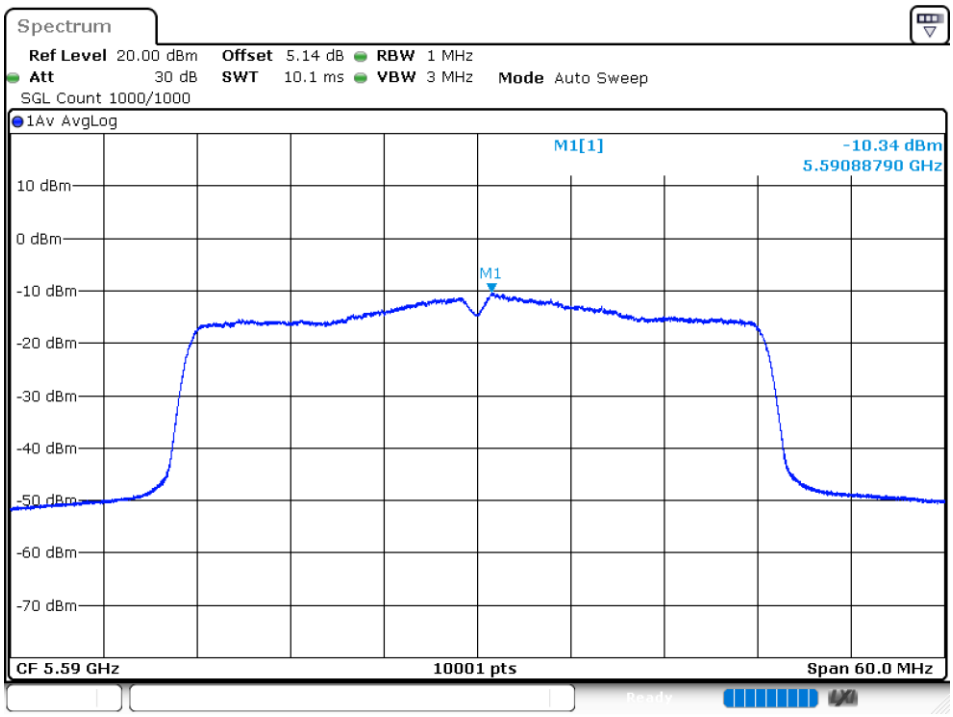
PSD NVNT ac40 5510MHz Ant2



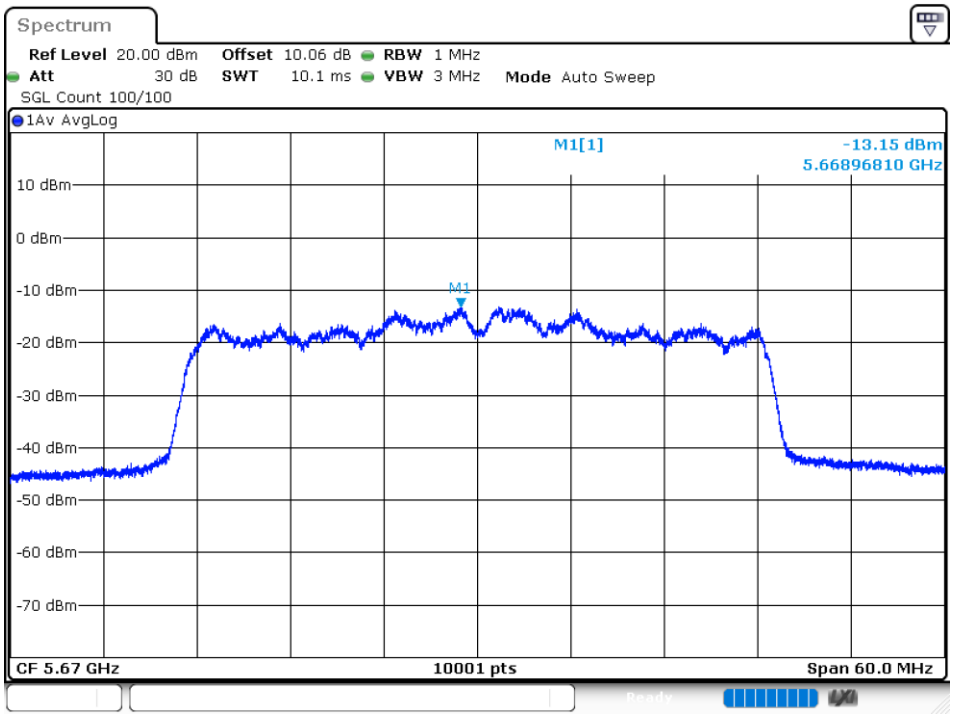
PSD NVNT ac40 5590MHz Ant1



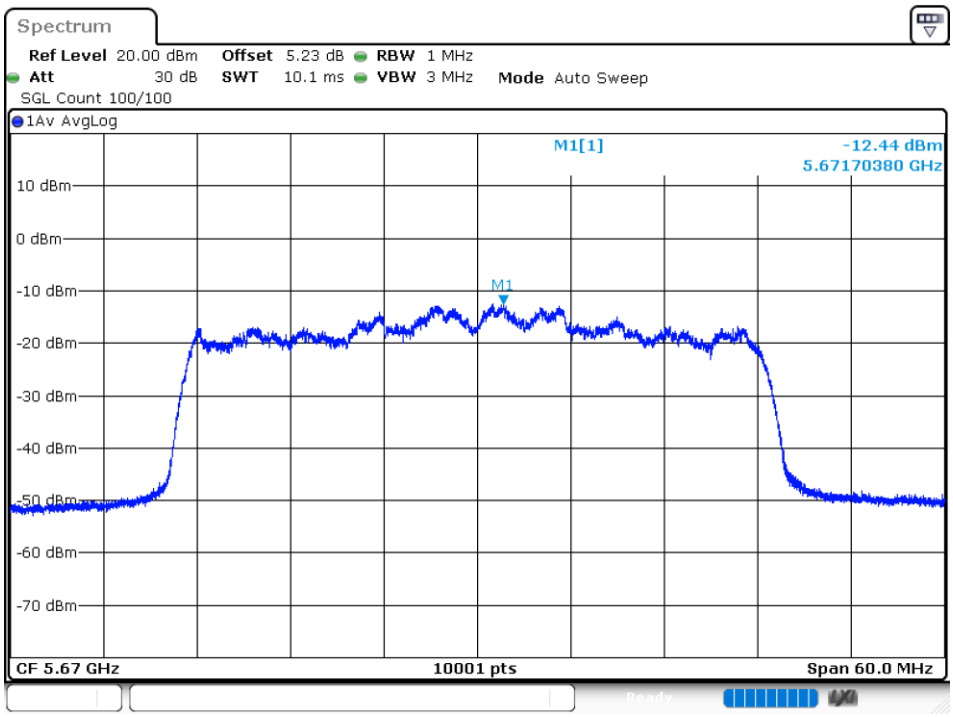
PSD NVNT ac40 5590MHz Ant2



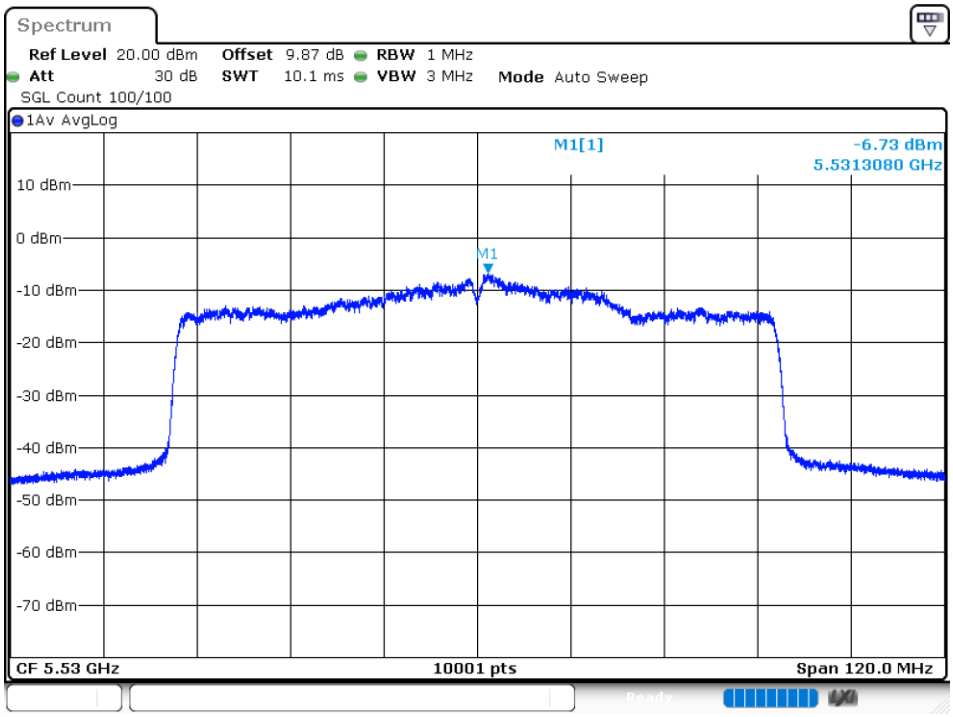
PSD NVNT ac40 5670MHz Ant1



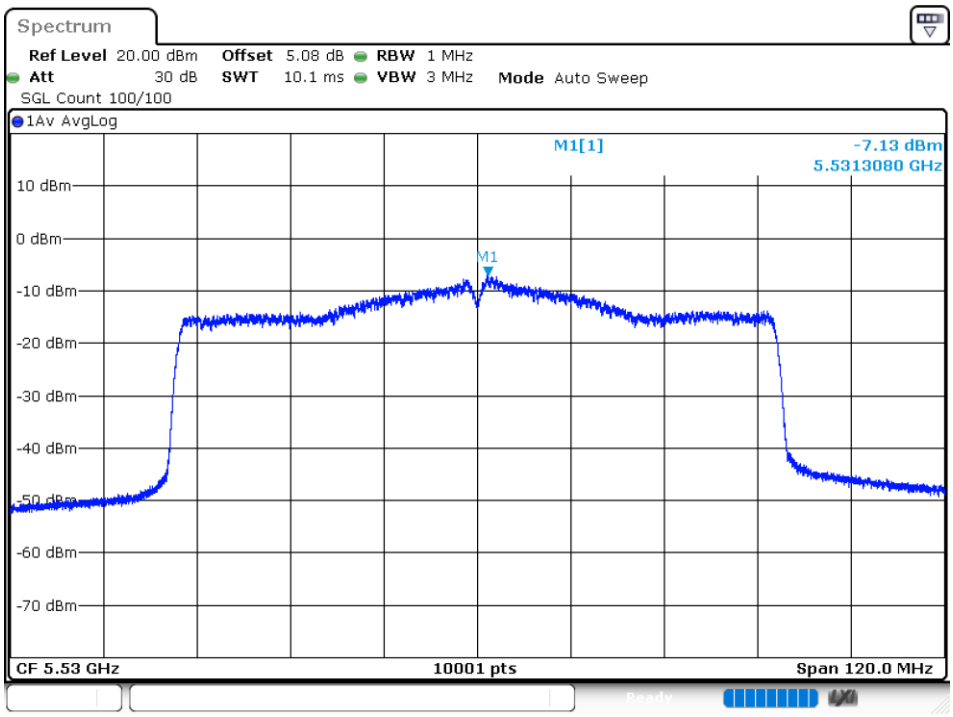
PSD NVNT ac40 5670MHz Ant2



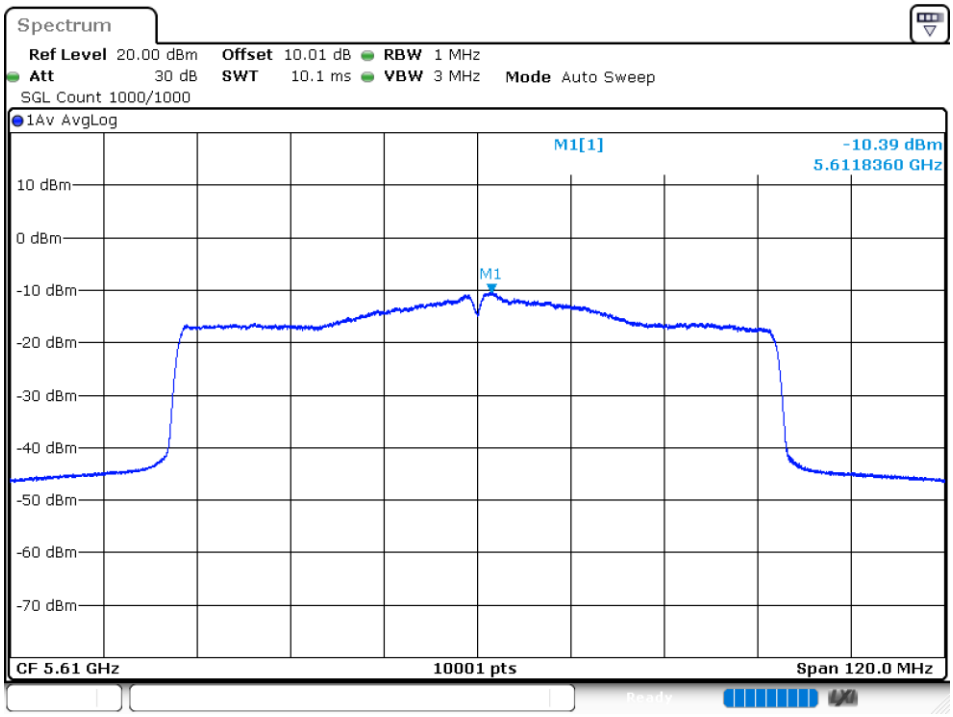
PSD NVNT ac80 5530MHz Ant1



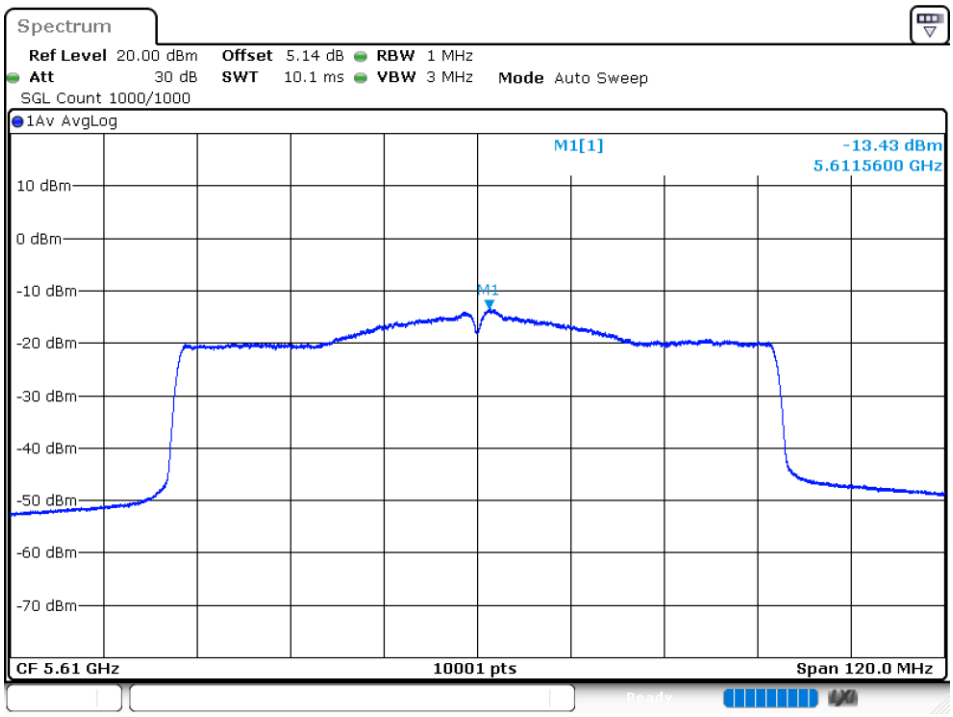
PSD NVNT ac80 5530MHz Ant2



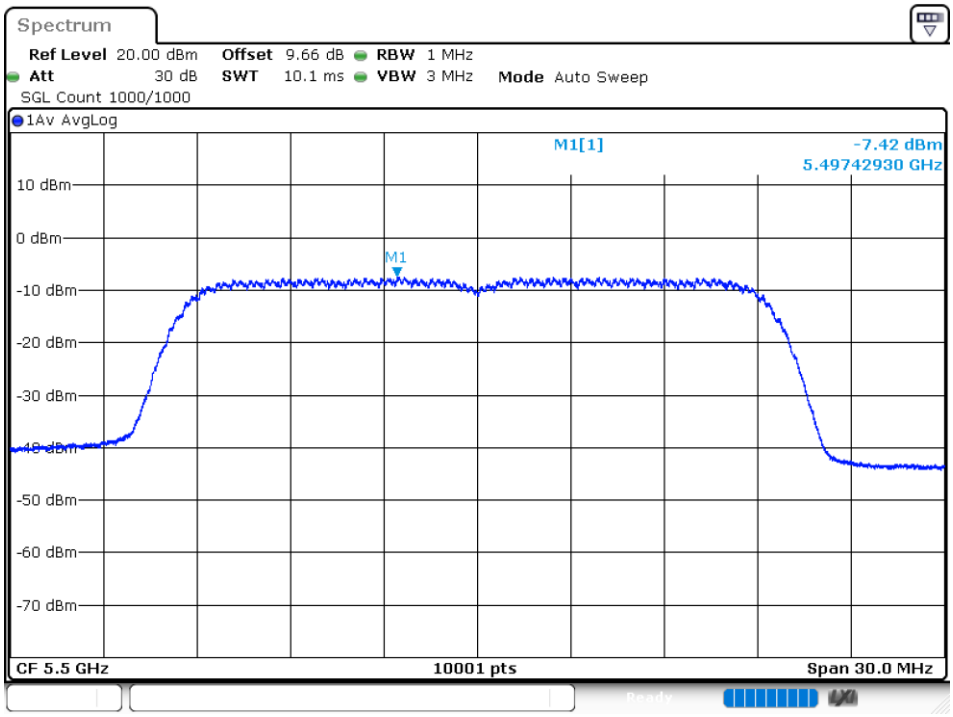
PSD NVNT ac80 5610MHz Ant1



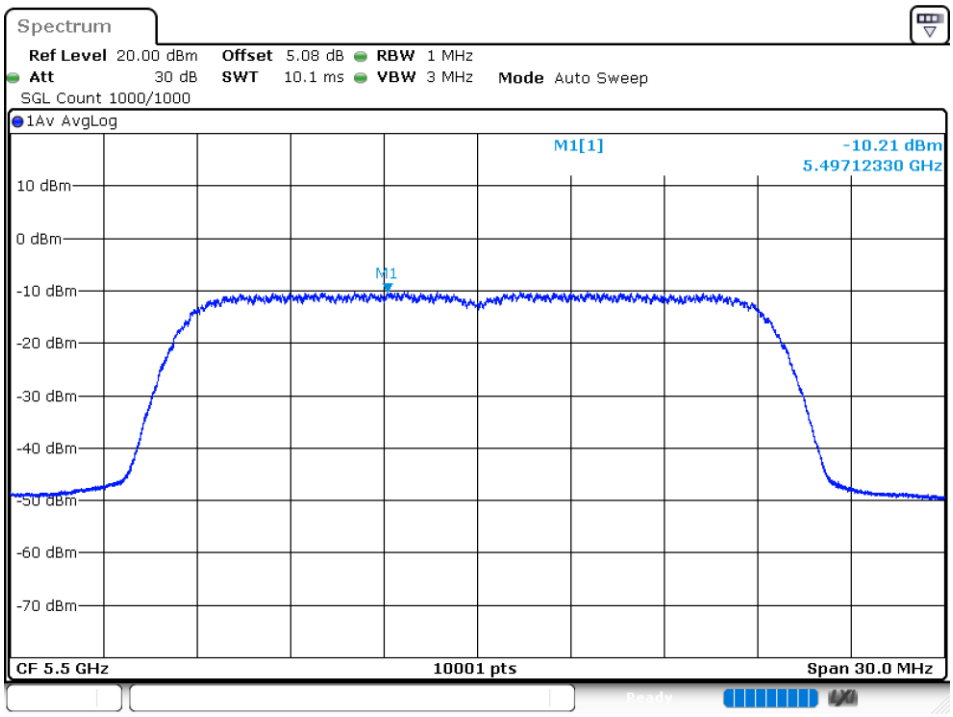
PSD NVNT ac80 5610MHz Ant2



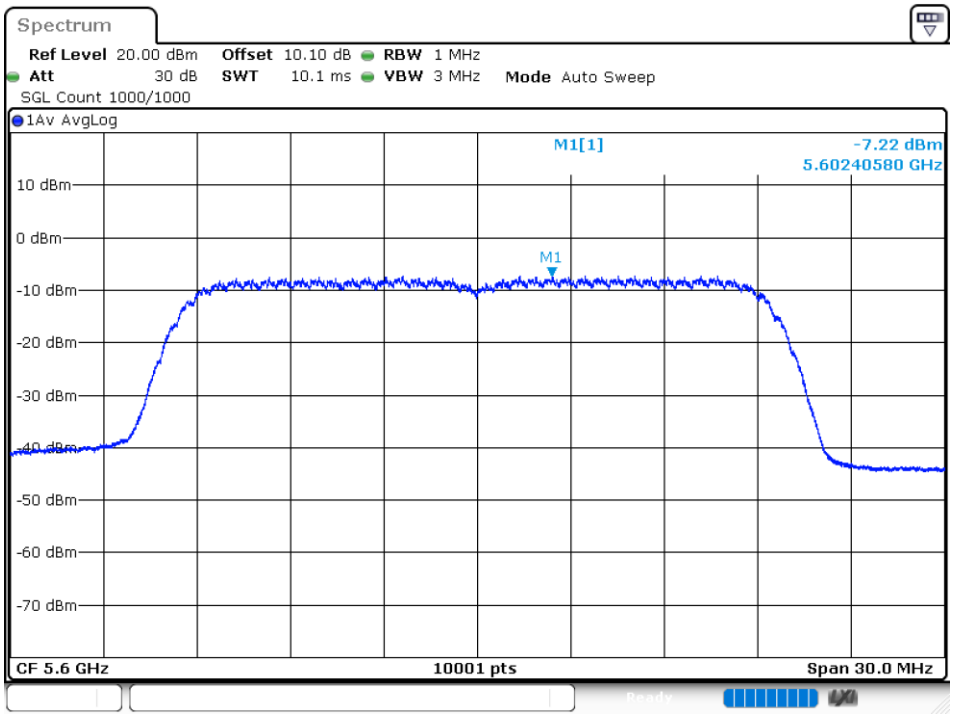
PSD NVNT ax20 5500MHz Ant1



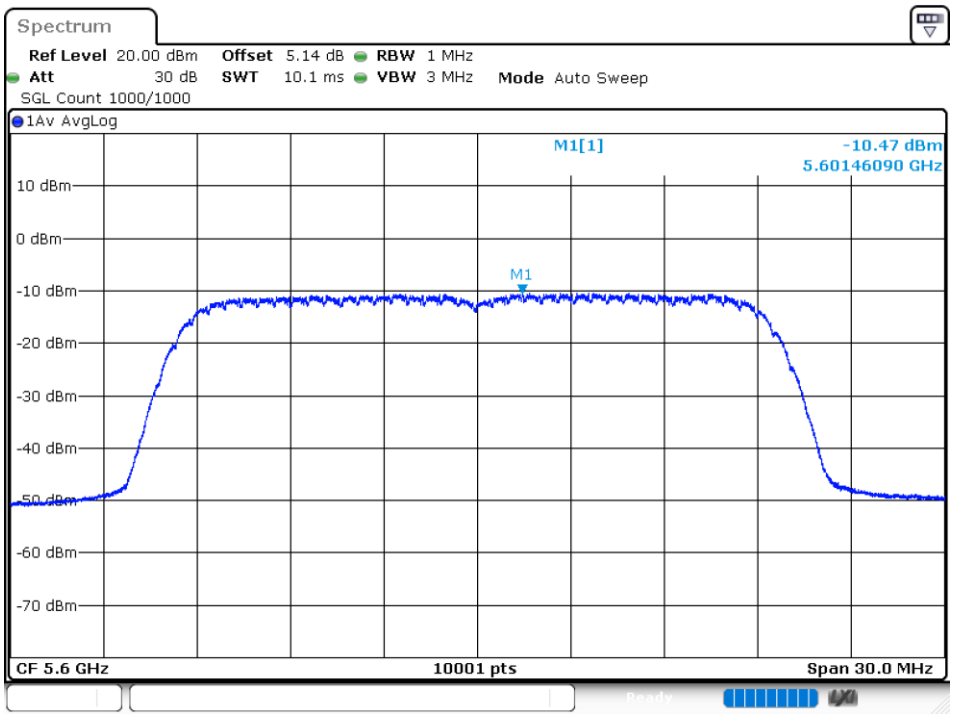
PSD NVNT ax20 5500MHz Ant2



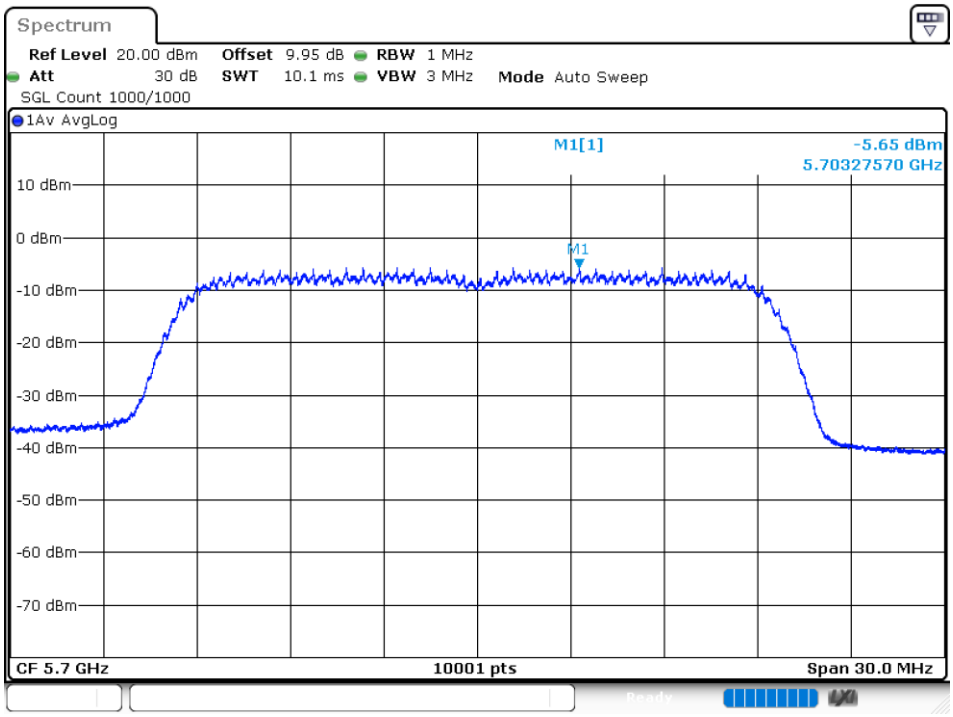
PSD NVNT ax20 5600MHz Ant1



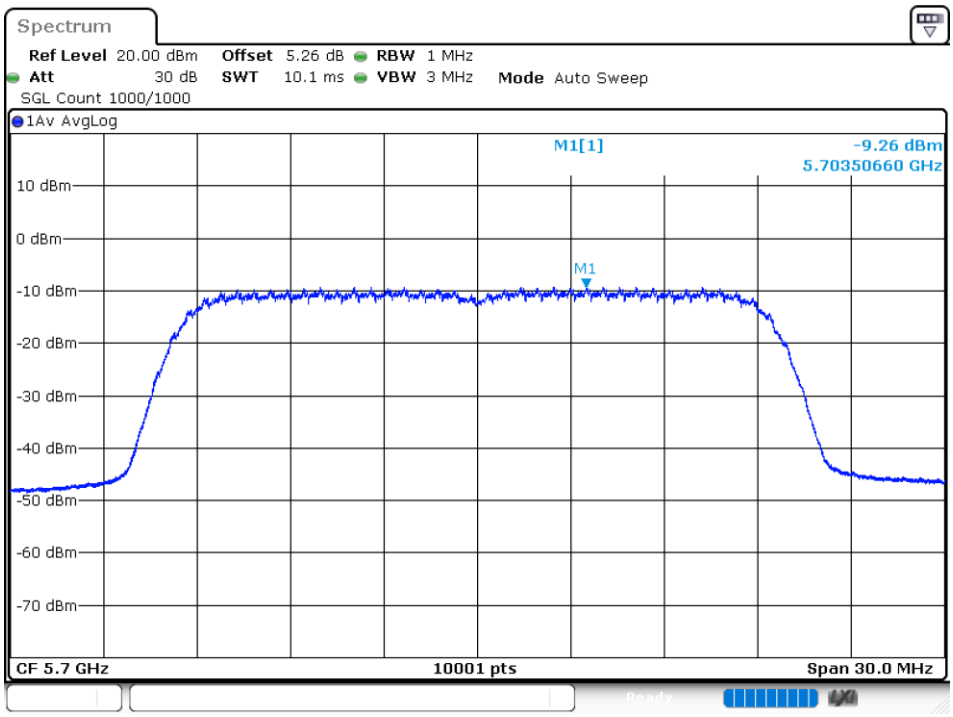
PSD NVNT ax20 5600MHz Ant2



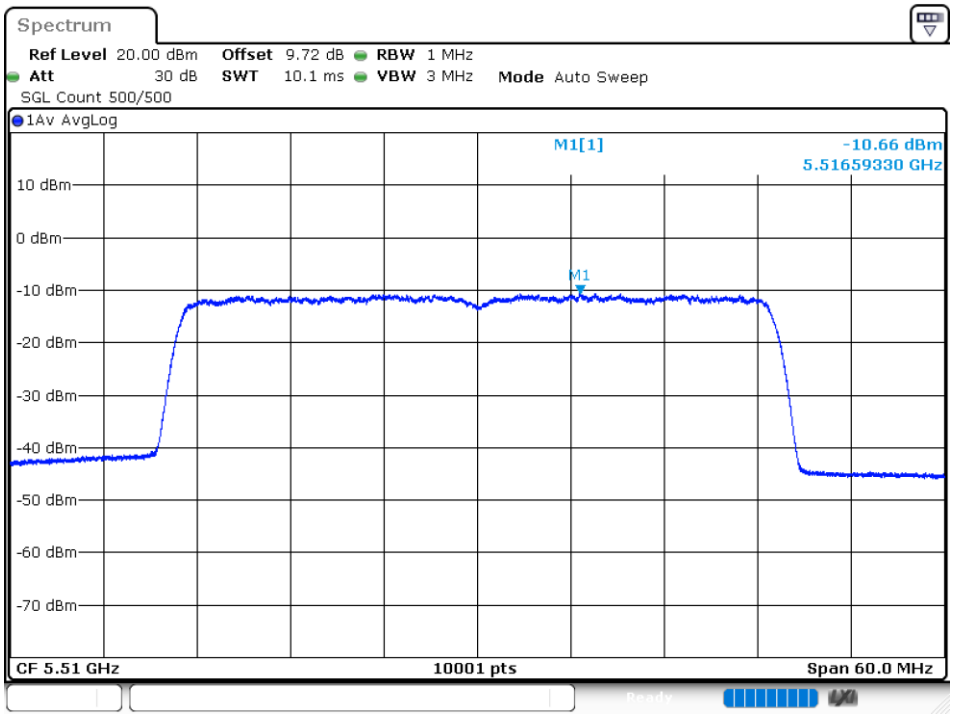
PSD NVNT ax20 5700MHz Ant1



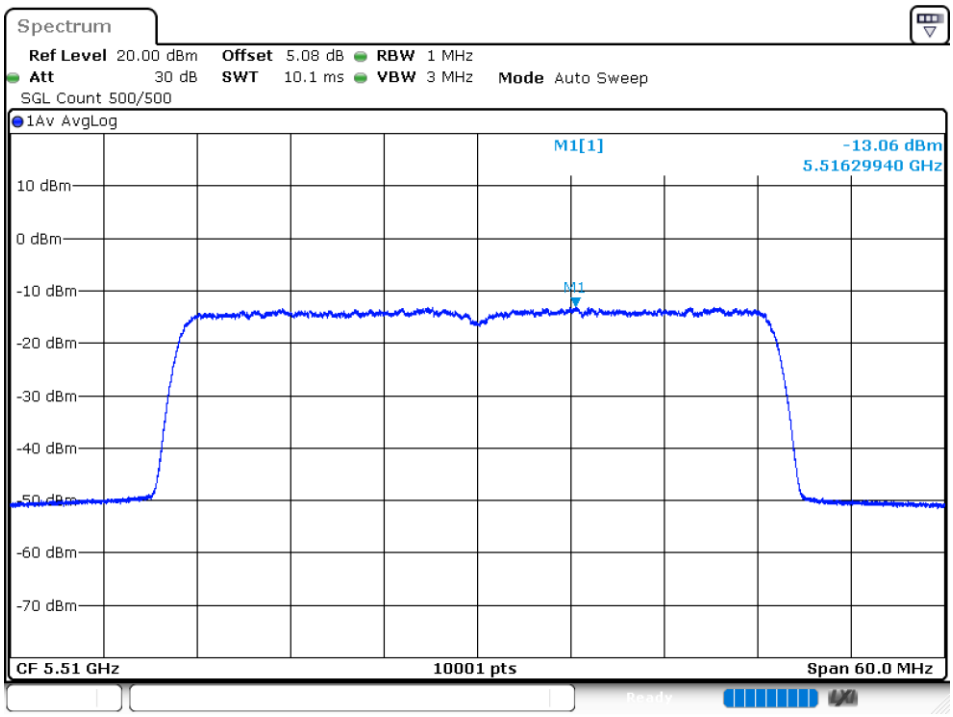
PSD NVNT ax20 5700MHz Ant2



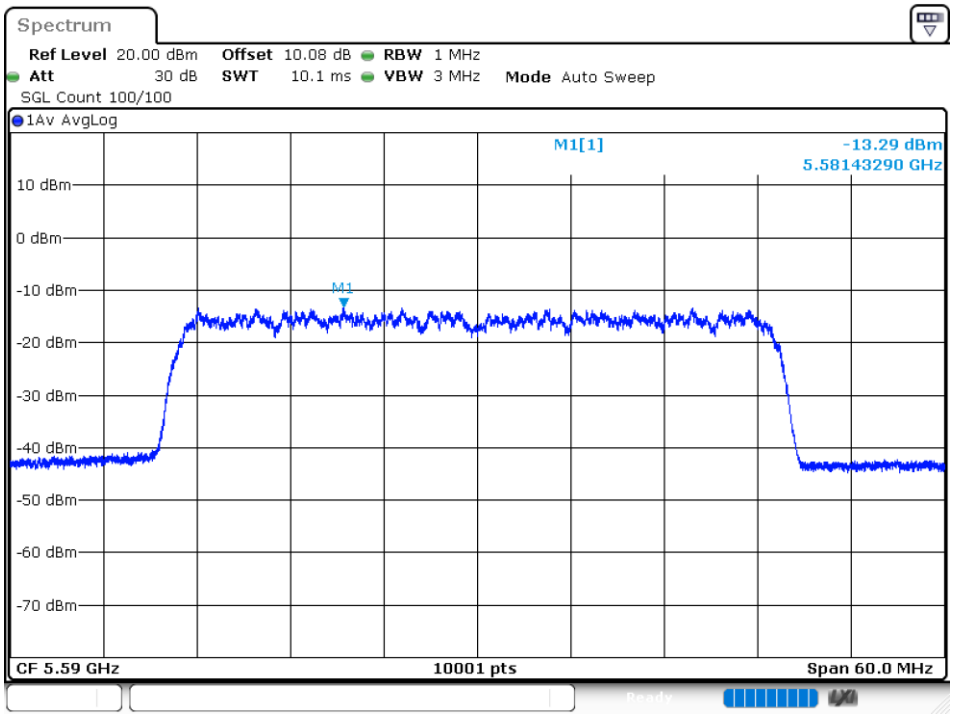
PSD NVNT ax40 5510MHz Ant1



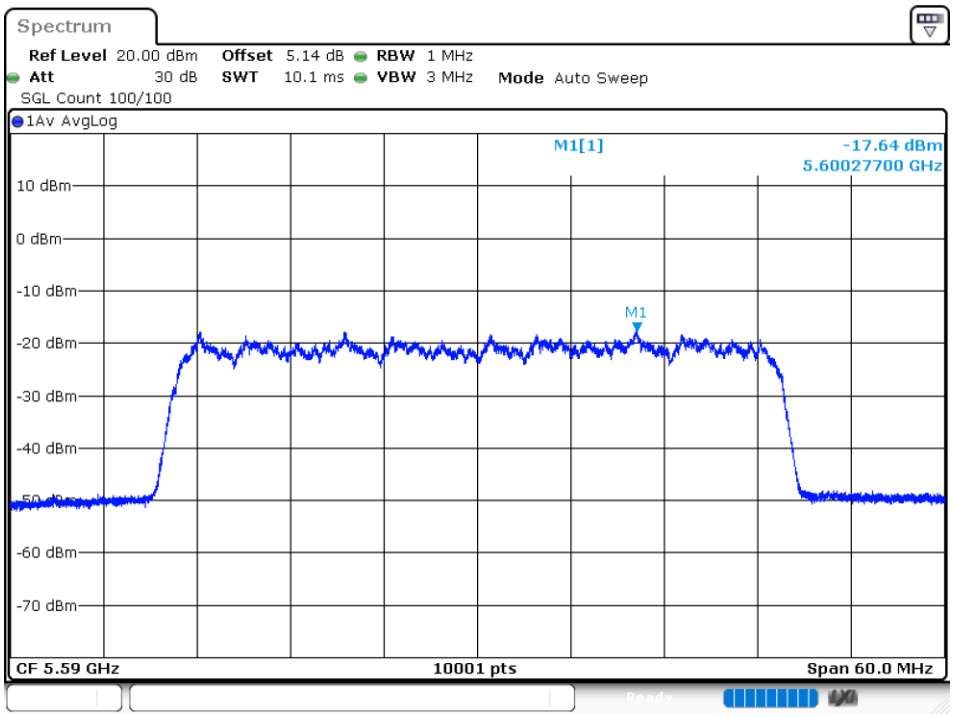
PSD NVNT ax40 5510MHz Ant2



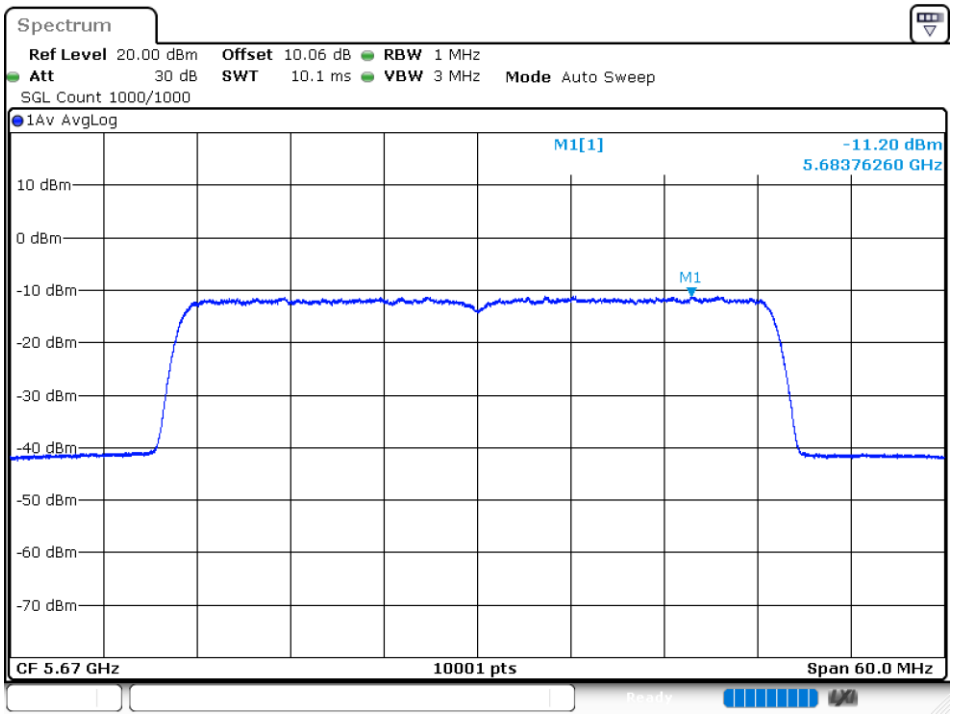
PSD NVNT ax40 5590MHz Ant1



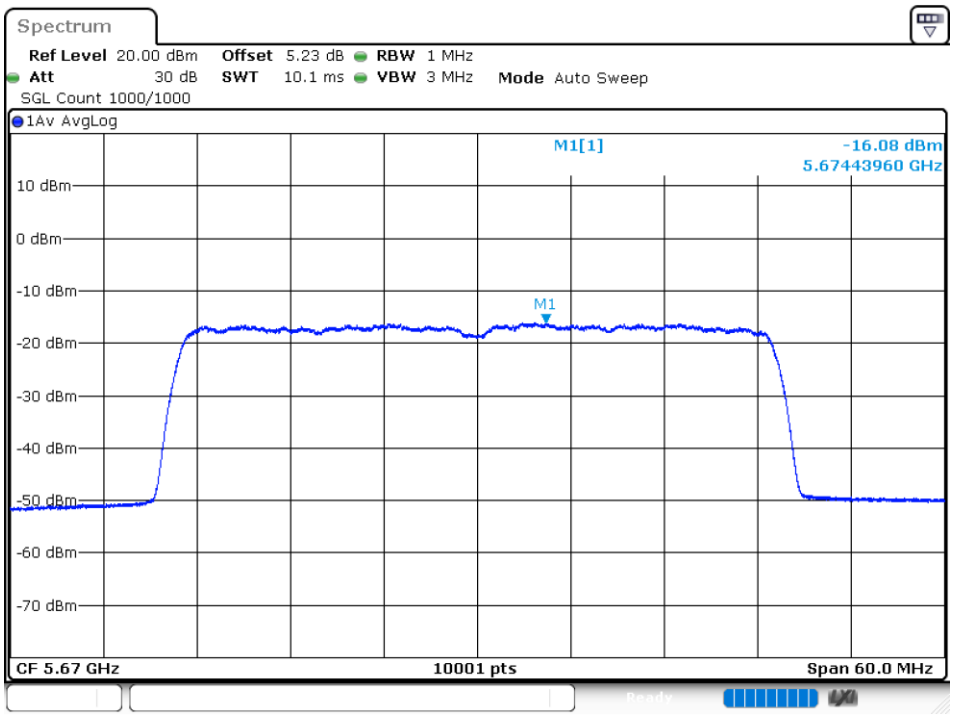
PSD NVNT ax40 5590MHz Ant2



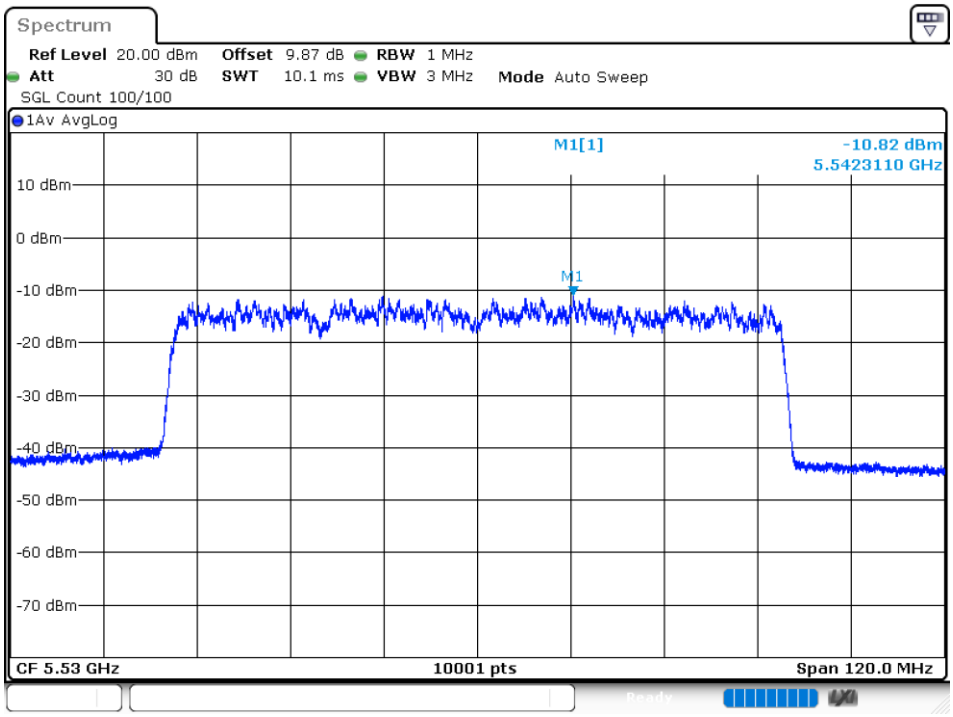
PSD NVNT ax40 5670MHz Ant1



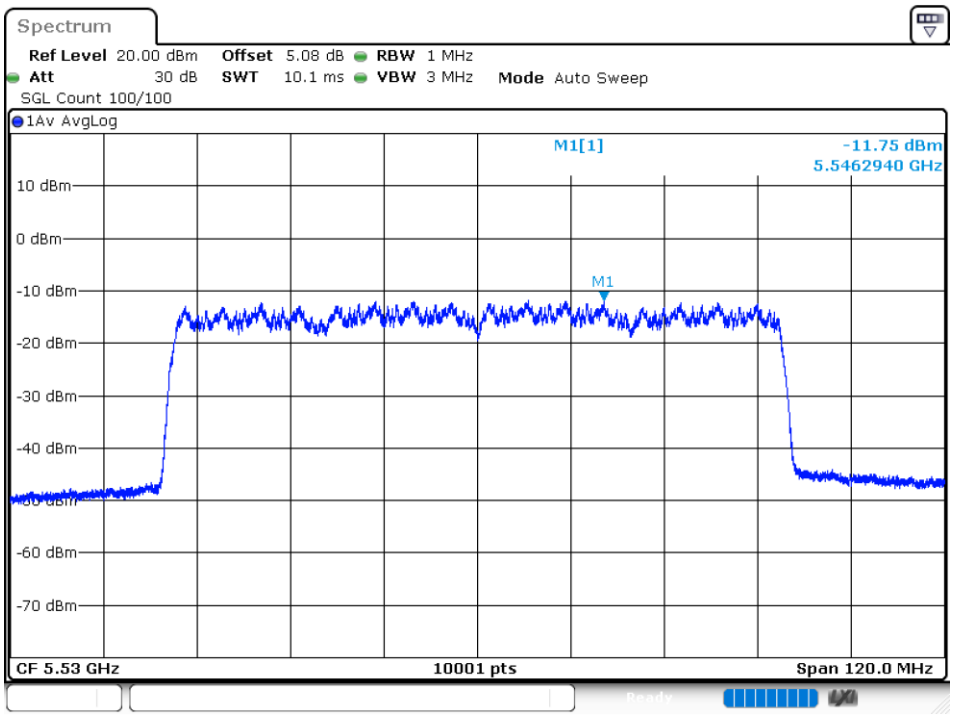
PSD NVNT ax40 5670MHz Ant2



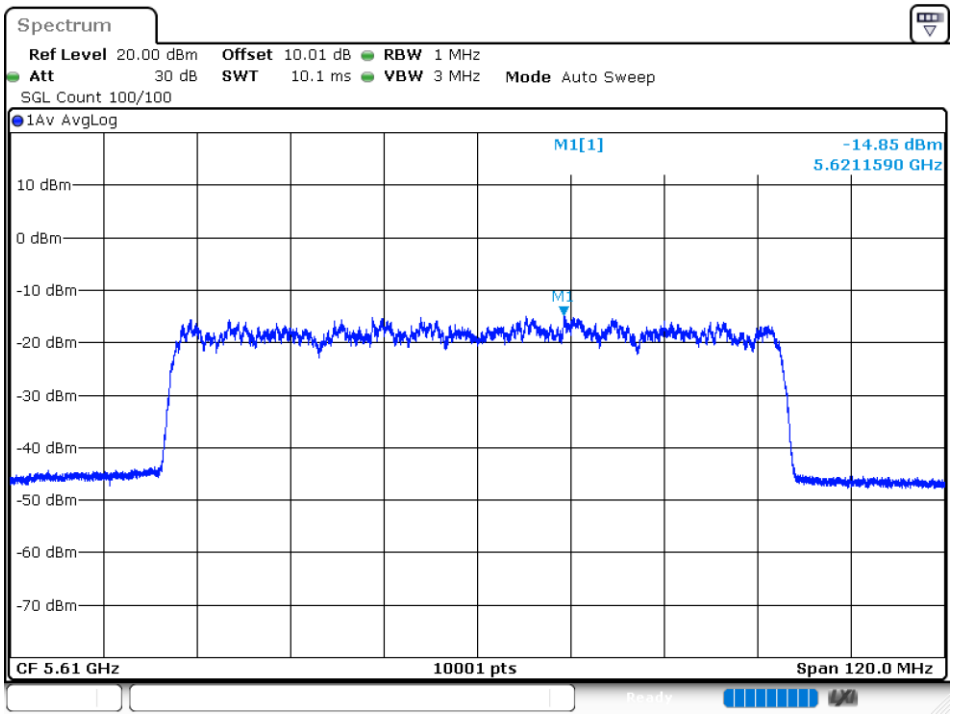
PSD NVNT ax80 5530MHz Ant1



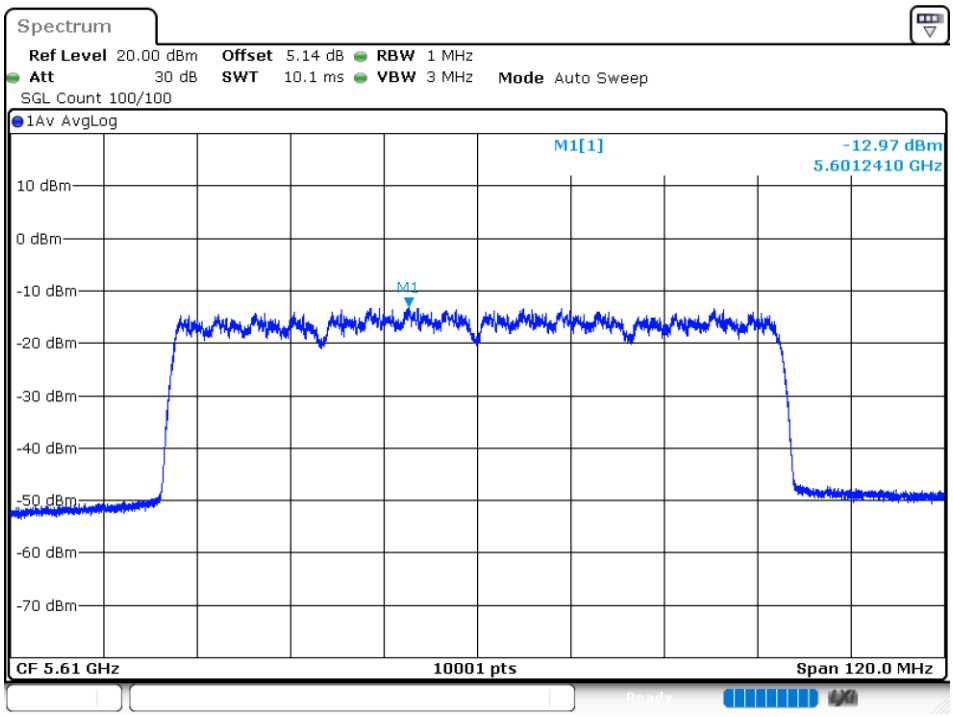
PSD NVNT ax80 5530MHz Ant2



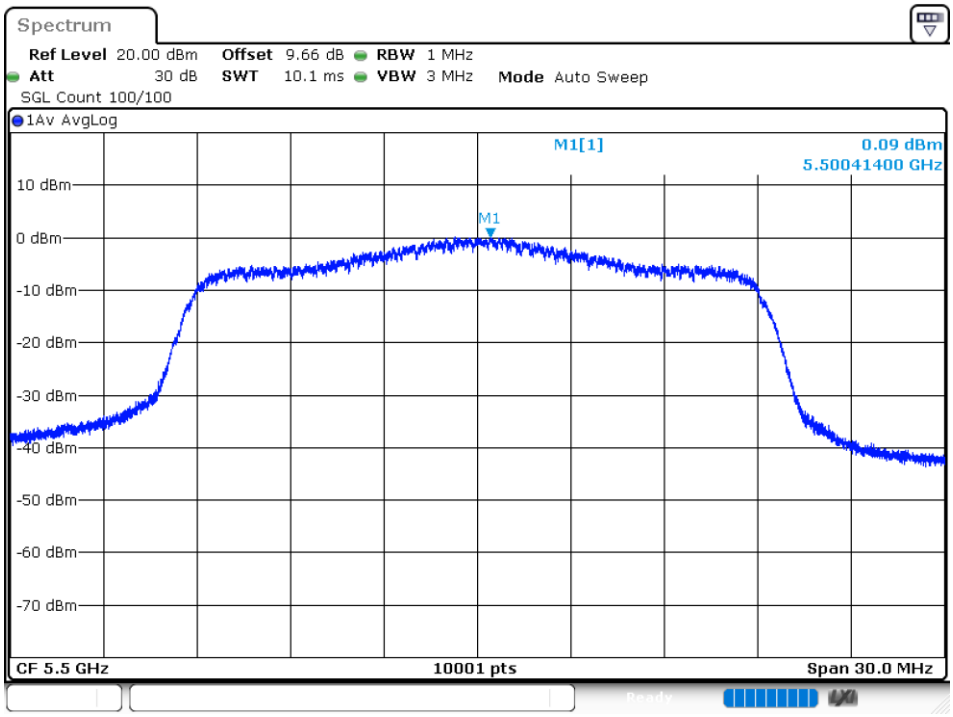
PSD NVNT ax80 5610MHz Ant1



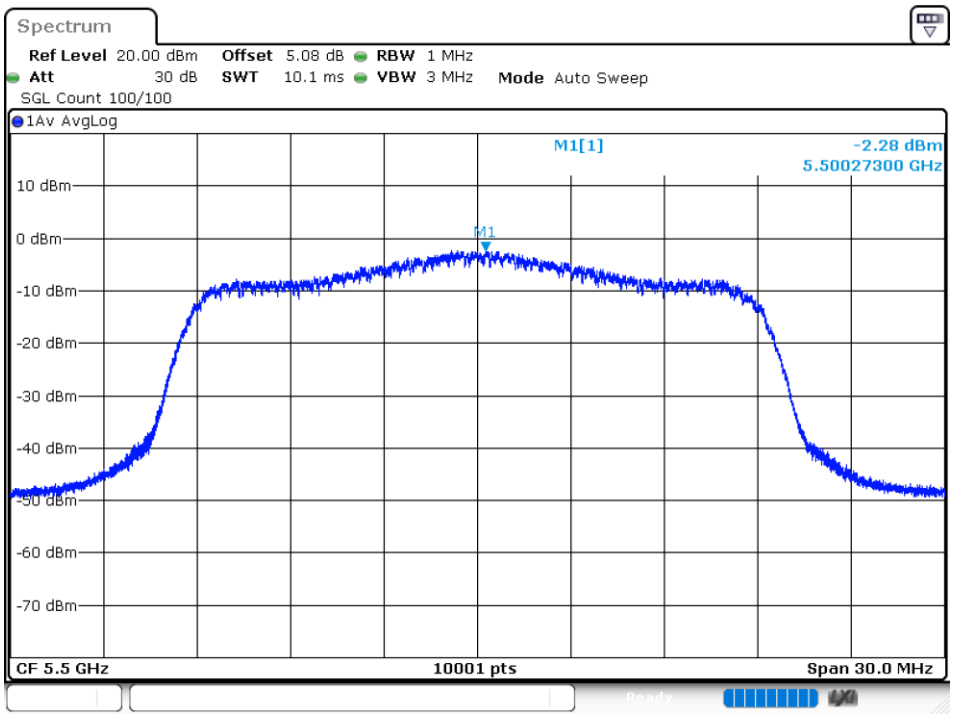
PSD NVNT ax80 5610MHz Ant2



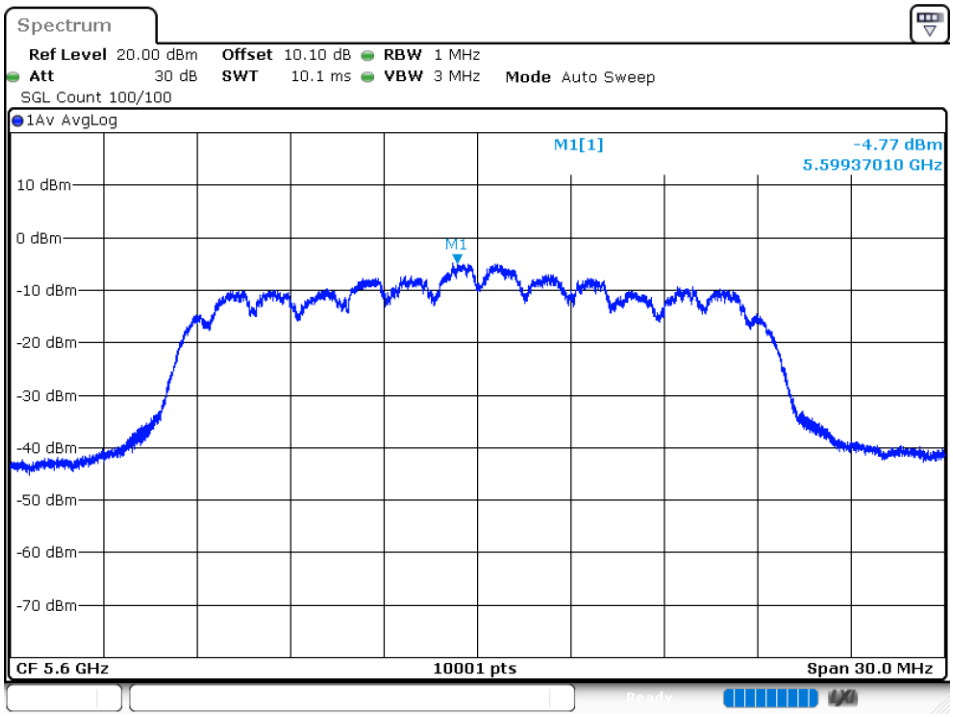
PSD NVNT n20 5500MHz Ant1



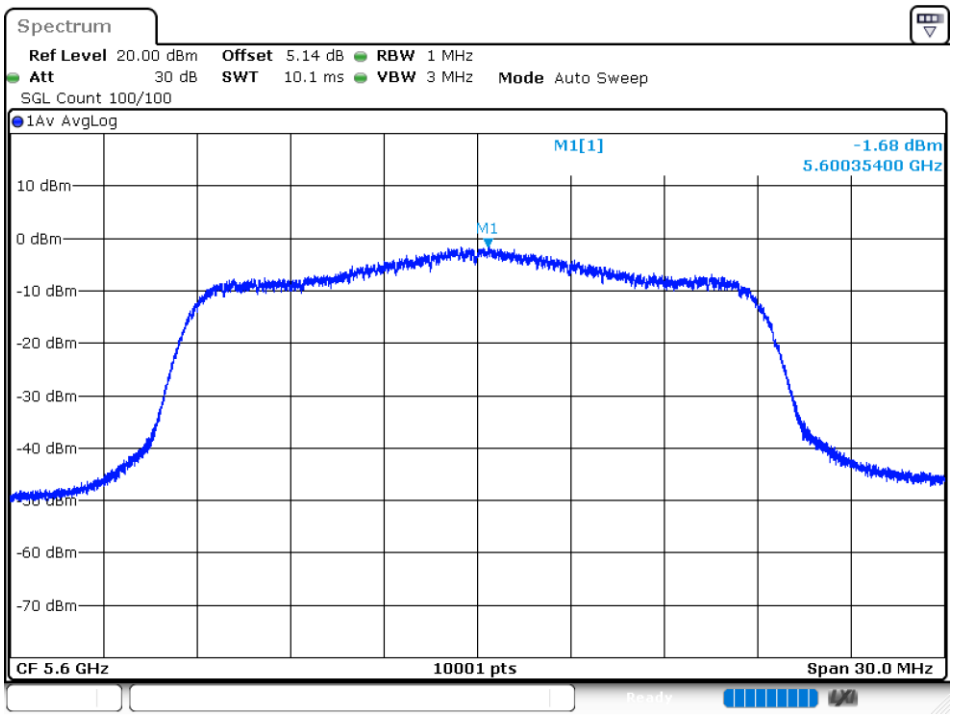
PSD NVNT n20 5500MHz Ant2



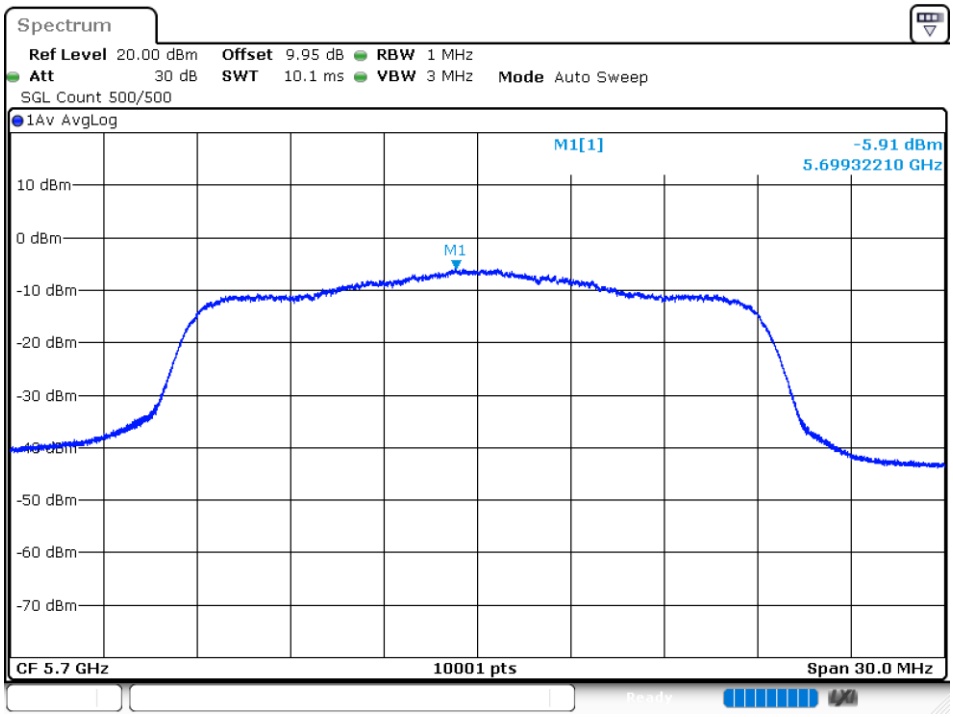
PSD NVNT n20 5600MHz Ant1



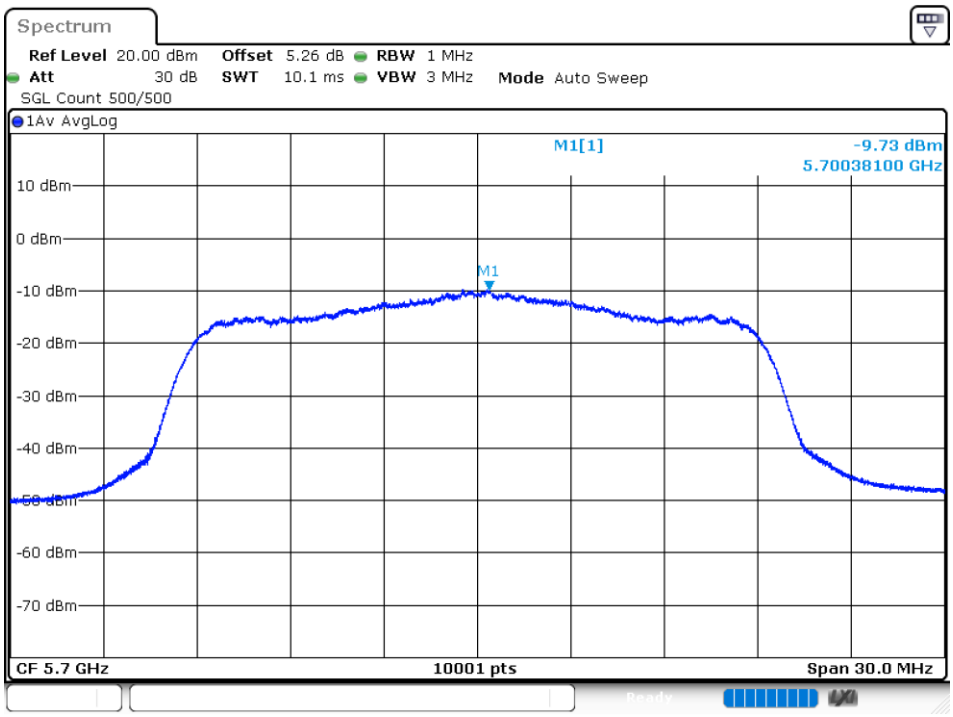
PSD NVNT n20 5600MHz Ant2



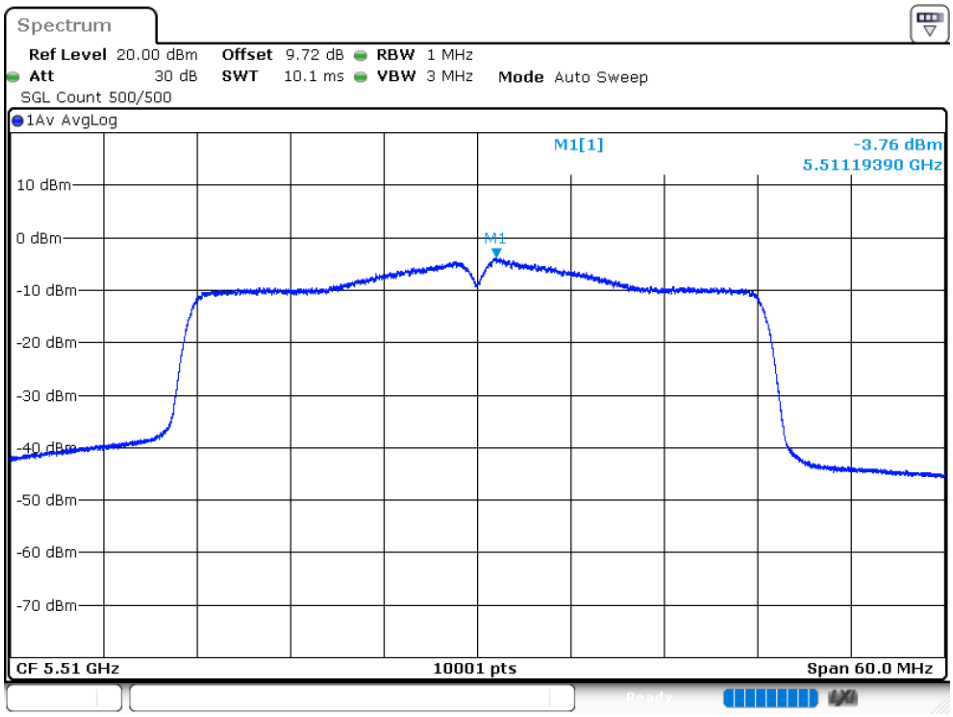
PSD NVNT n20 5700MHz Ant1



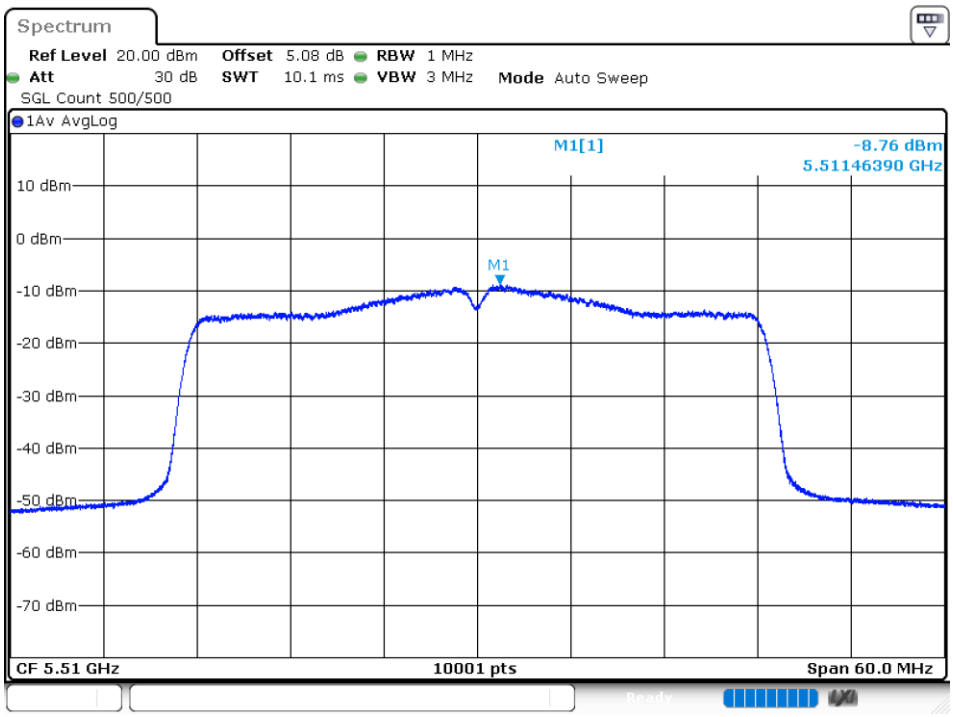
PSD NVNT n20 5700MHz Ant2



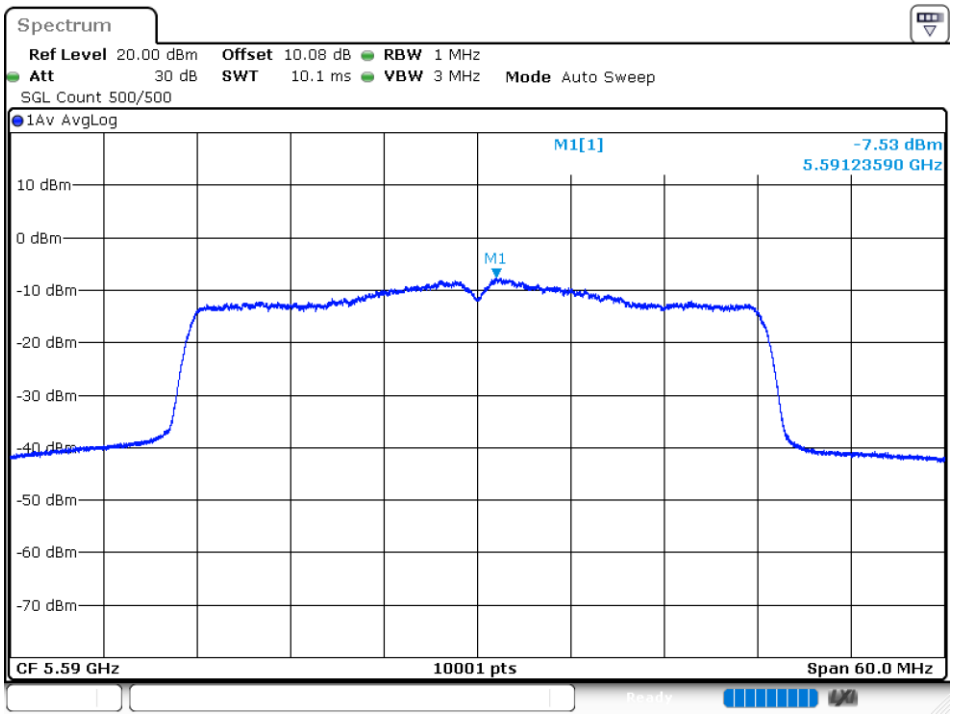
PSD NVNT n40 5510MHz Ant1



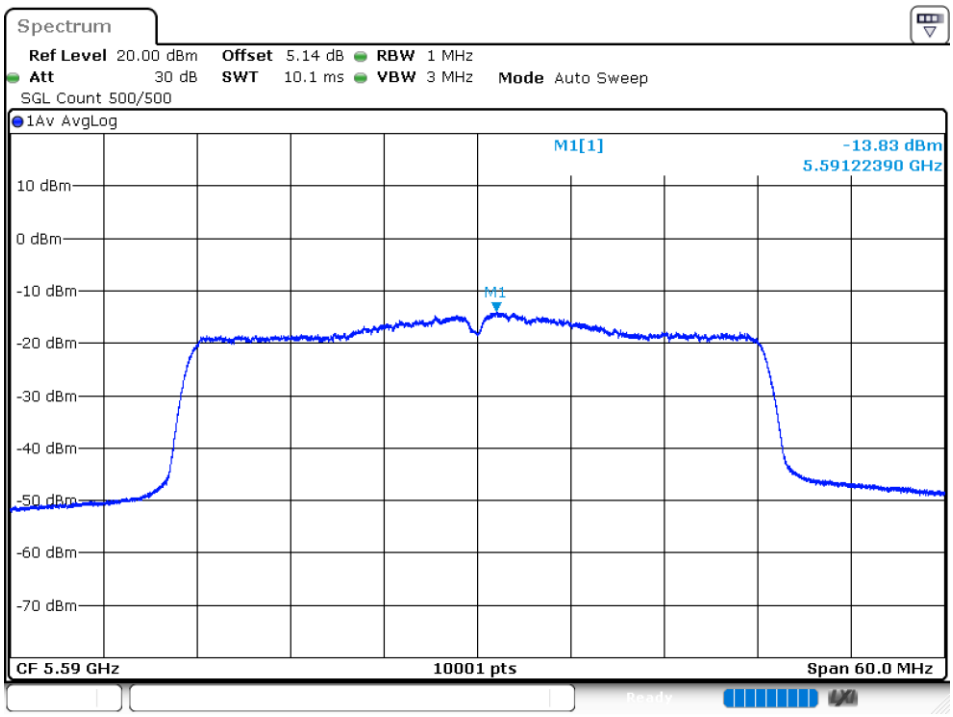
PSD NVNT n40 5510MHz Ant2



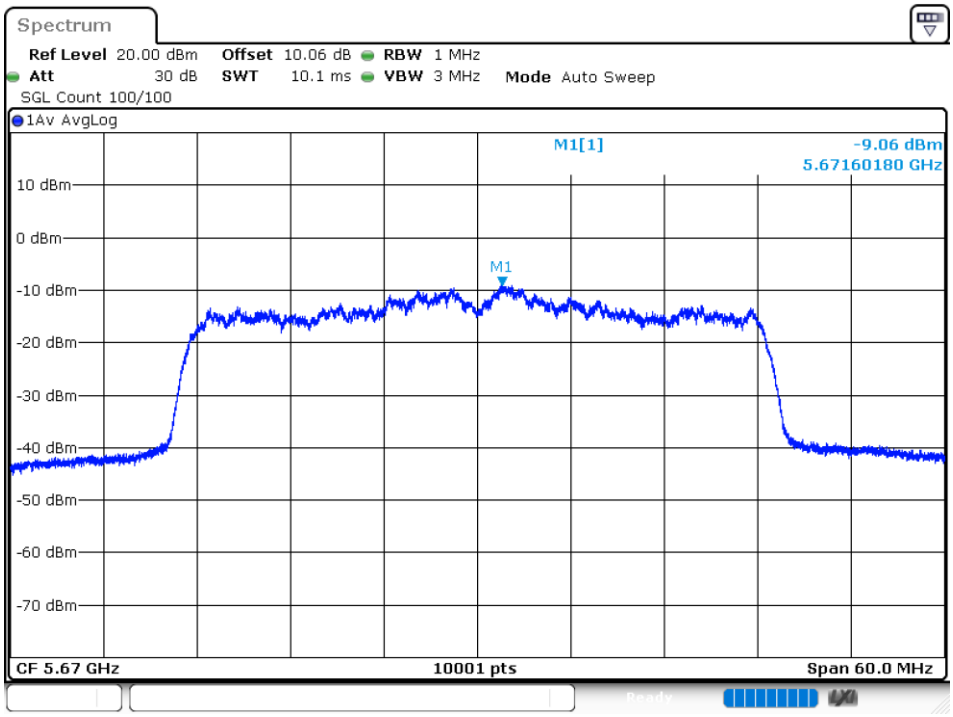
PSD NVNT n40 5590MHz Ant1



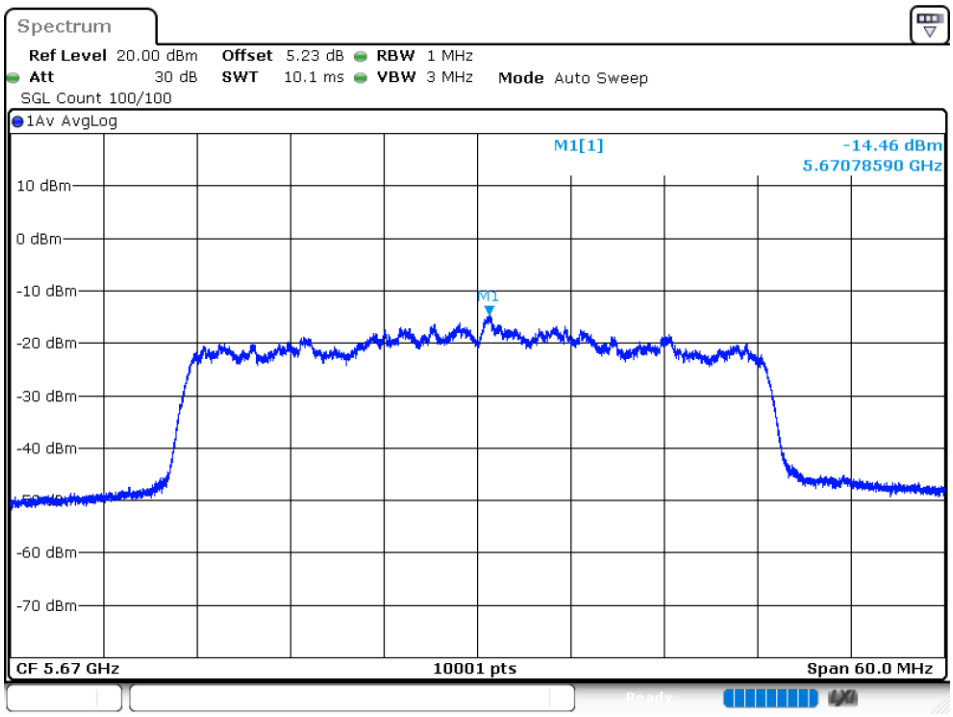
PSD NVNT n40 5590MHz Ant2



PSD NVNT n40 5670MHz Ant1



PSD NVNT n40 5670MHz Ant2

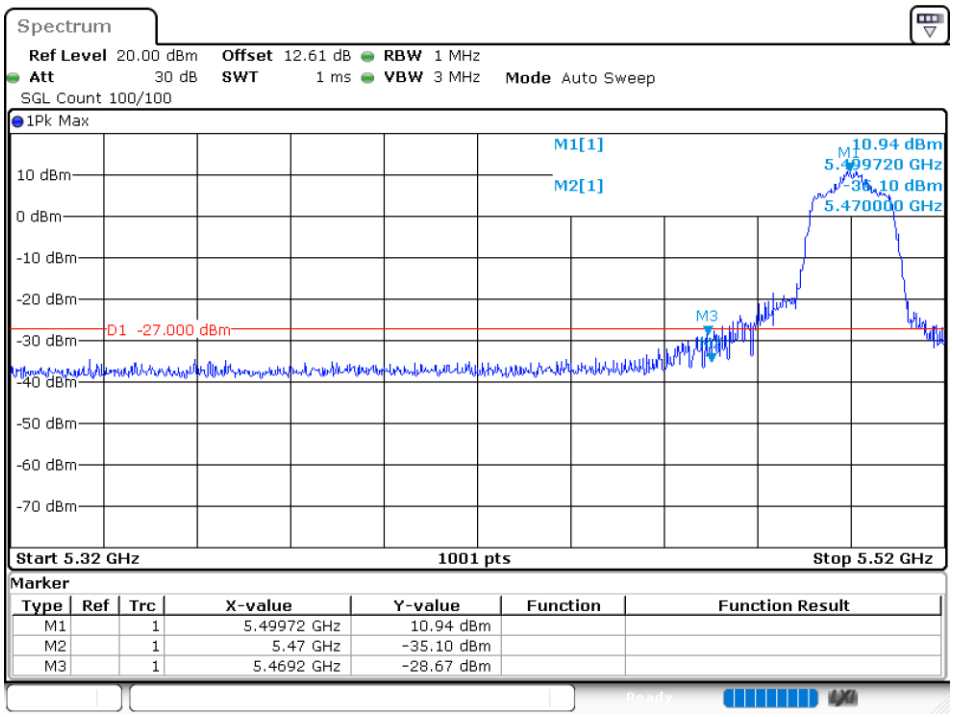


Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ac20	5500	Ant1	-28.66	-27	Pass
NVNT	ac20	5500	Ant2	-38.59	-27	Pass
NVNT	ac20	5700	Ant1	-27.21	-27	Pass
NVNT	ac20	5700	Ant2	-36.46	-27	Pass
NVNT	ac40	5510	Ant1	-28.09	-27	Pass
NVNT	ac40	5510	Ant2	-37.34	-27	Pass
NVNT	ac40	5670	Ant1	-37.25	-27	Pass
NVNT	ac40	5670	Ant2	-43.12	-27	Pass
NVNT	ac80	5530	Ant1	-29.14	-27	Pass
NVNT	ac80	5530	Ant2	-36.01	-27	Pass
NVNT	ac80	5610	Ant1	-40.84	-27	Pass
NVNT	ac80	5610	Ant2	-43.59	-27	Pass
NVNT	ax20	5500	Ant1	-27.26	-27	Pass
NVNT	ax20	5500	Ant2	-39.65	-27	Pass
NVNT	ax20	5700	Ant1	-28.21	-27	Pass
NVNT	ax20	5700	Ant2	-36.35	-27	Pass
NVNT	ax40	5510	Ant1	-27.61	-27	Pass
NVNT	ax40	5510	Ant2	-34.26	-27	Pass
NVNT	ax40	5670	Ant1	-35.3	-27	Pass
NVNT	ax40	5670	Ant2	-44.25	-27	Pass
NVNT	ax80	5530	Ant1	-28.3	-27	Pass
NVNT	ax80	5530	Ant2	-33.89	-27	Pass
NVNT	ax80	5610	Ant1	-34.3	-27	Pass
NVNT	ax80	5610	Ant2	-37.38	-27	Pass
NVNT	n20	5500	Ant1	-27.1	-27	Pass
NVNT	n20	5500	Ant2	-36.98	-27	Pass
NVNT	n20	5700	Ant1	-27.72	-27	Pass
NVNT	n20	5700	Ant2	-39.6	-27	Pass
NVNT	n40	5510	Ant1	-28.38	-27	Pass
NVNT	n40	5510	Ant2	-38.45	-27	Pass
NVNT	n40	5670	Ant1	-32.31	-27	Pass
NVNT	n40	5670	Ant2	-37.17	-27	Pass

Test Graphs

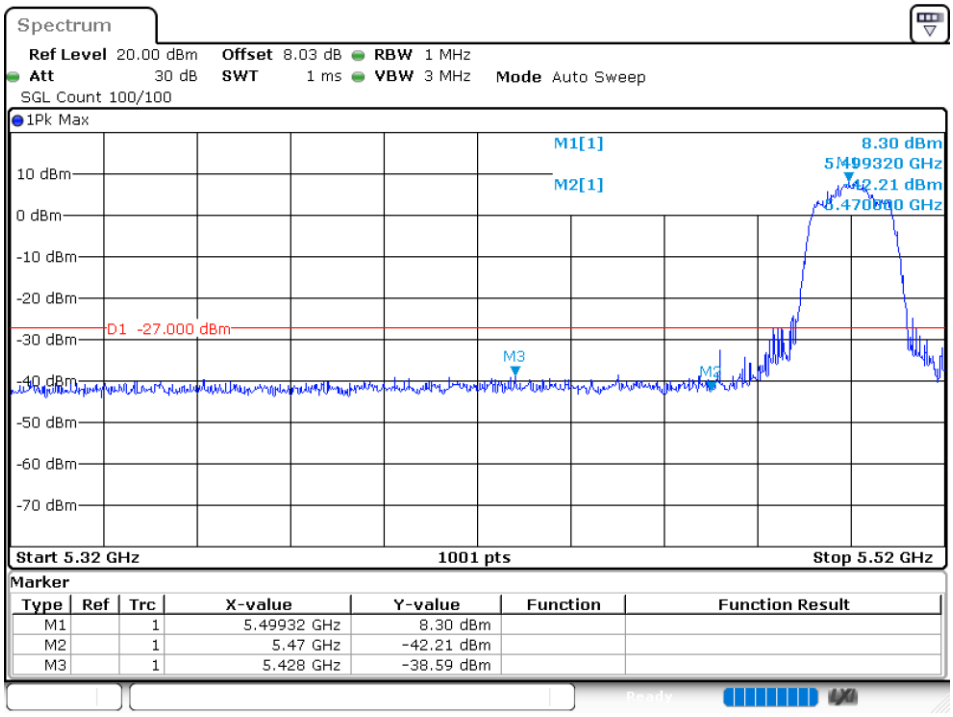
Band Edge NVNT ac20 5500MHz Low Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.49972 GHz	10.94 dBm		
M2		1	5.47 GHz	-35.10 dBm		
M3		1	5.4692 GHz	-28.67 dBm		

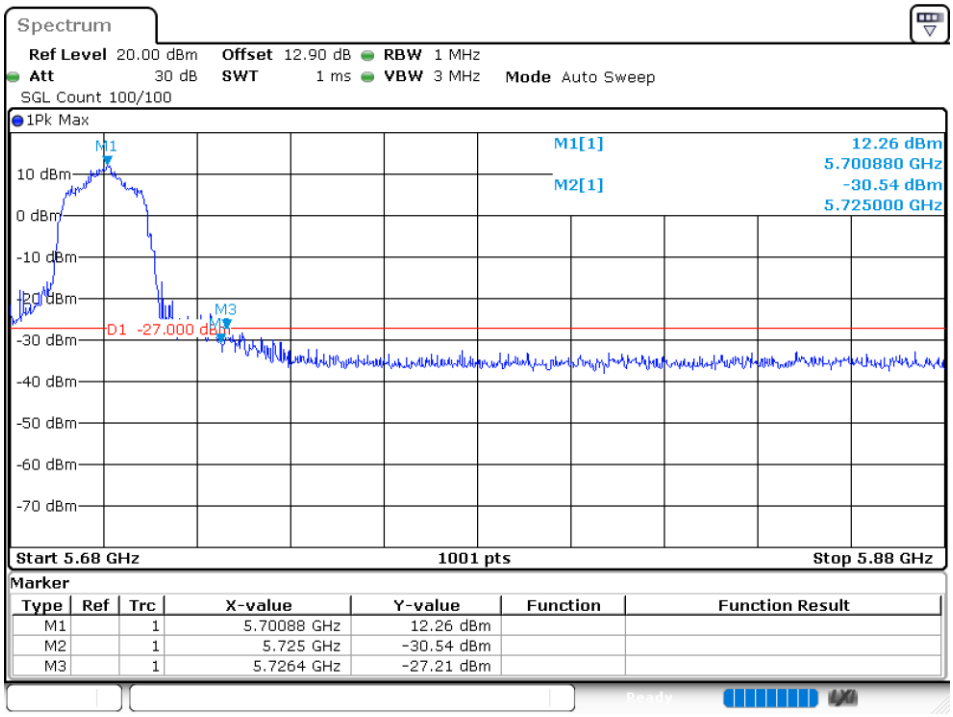
Band Edge NVNT ac20 5500MHz Low Ant2



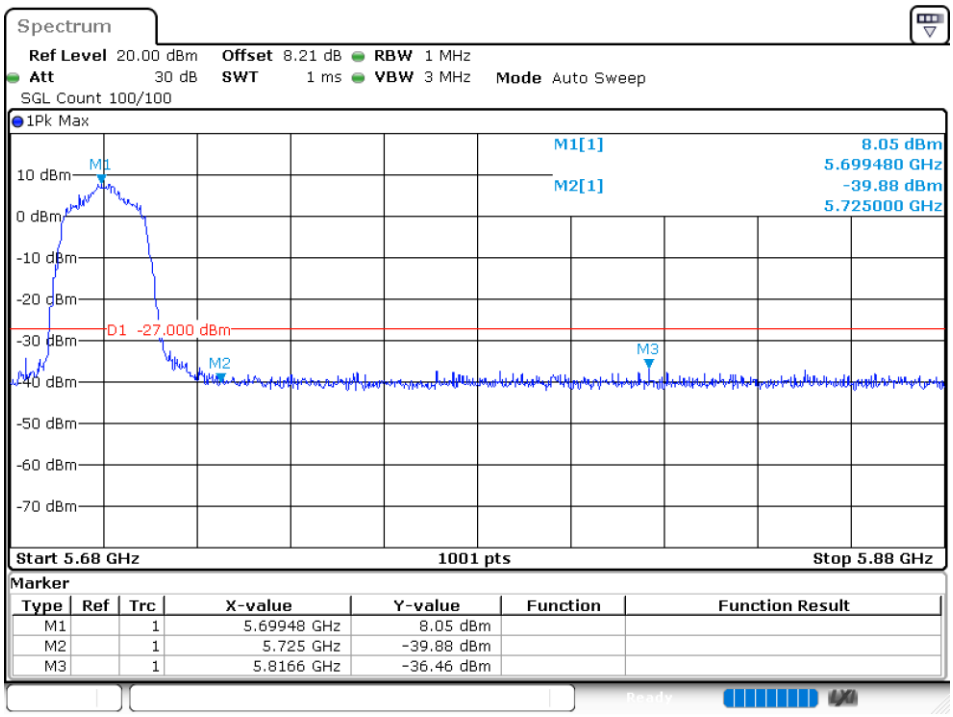
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.49932 GHz	8.30 dBm		
M2		1	5.47 GHz	-42.21 dBm		
M3		1	5.428 GHz	-38.59 dBm		

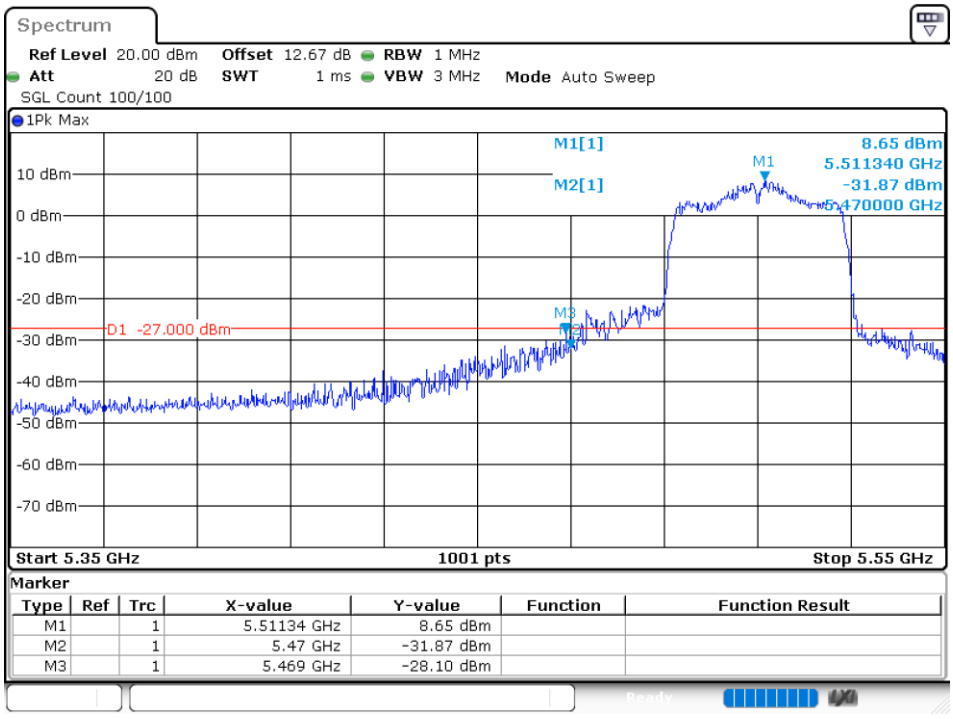
Band Edge NVNT ac20 5700MHz High Ant1



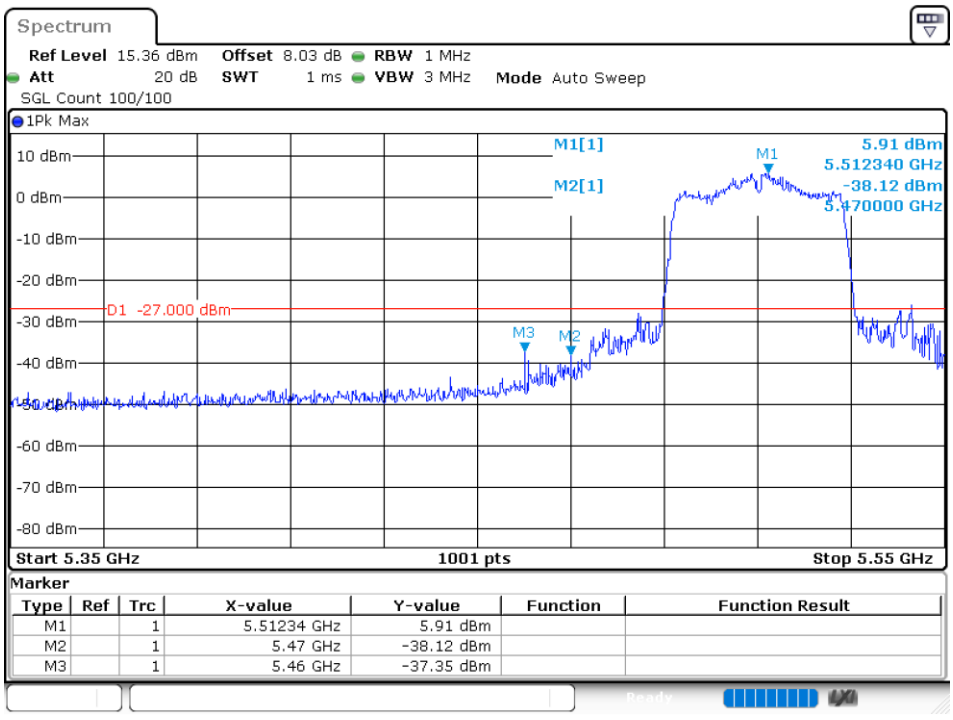
Band Edge NVNT ac20 5700MHz High Ant2



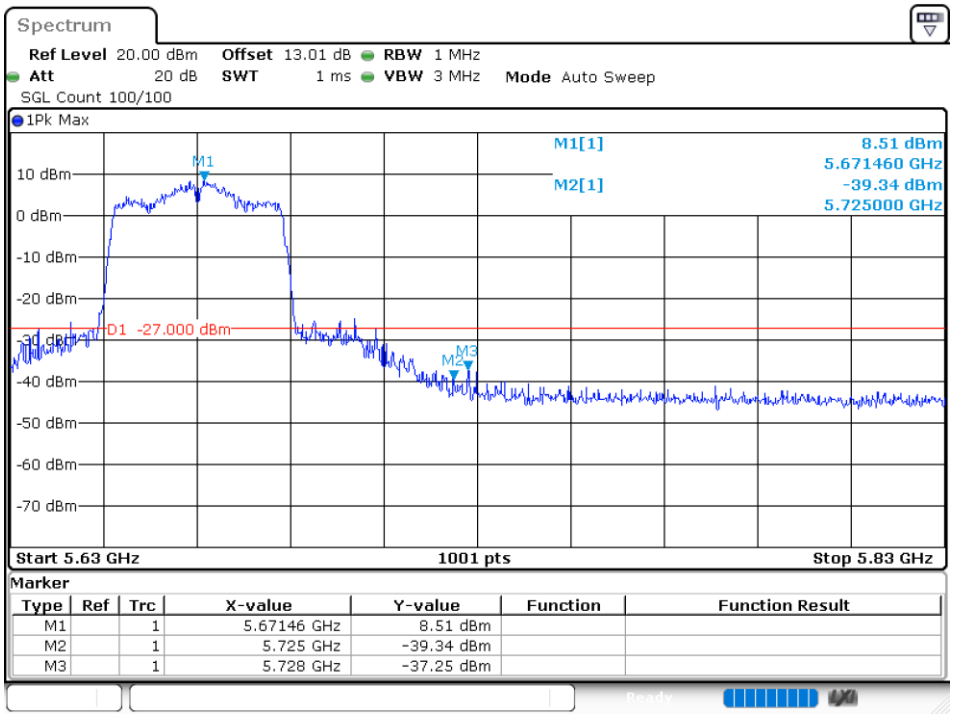
Band Edge NVNT ac40 5510MHz Low Ant1



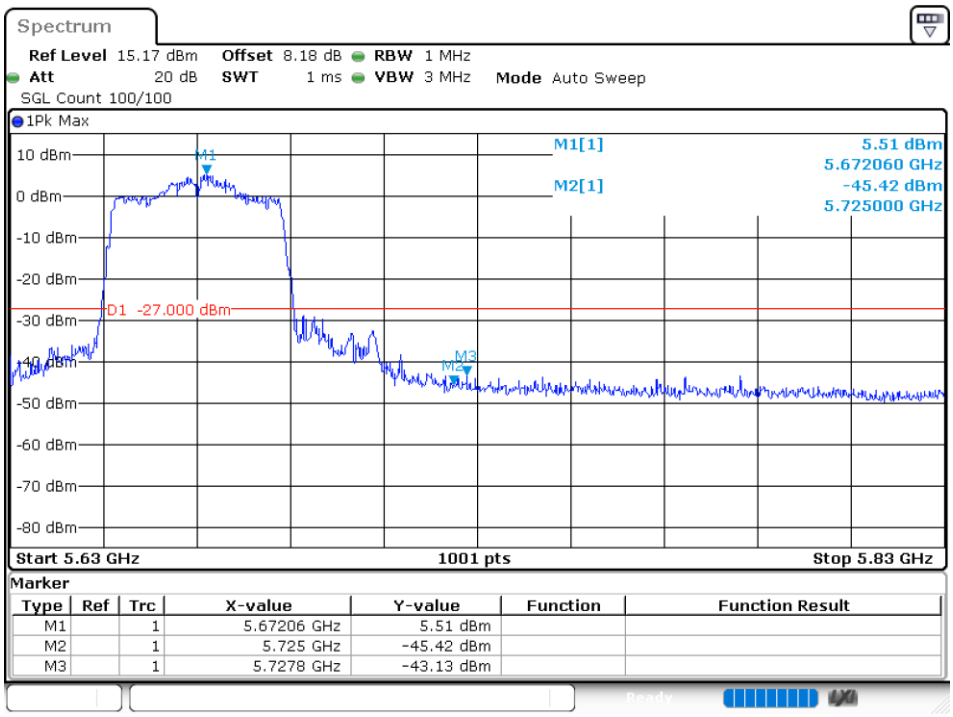
Band Edge NVNT ac40 5510MHz Low Ant2



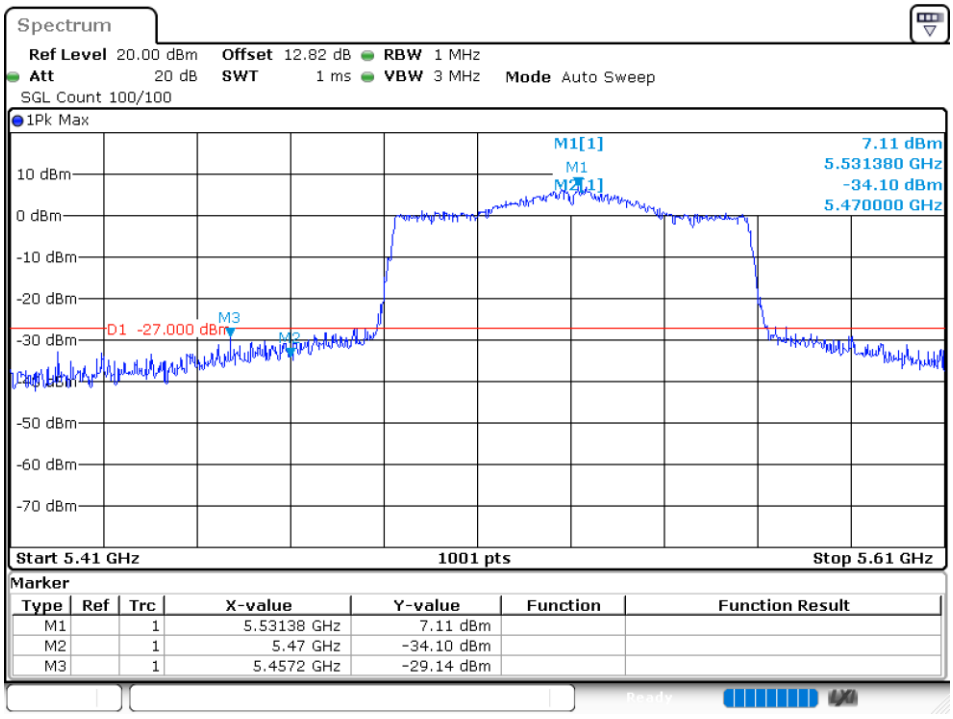
Band Edge NVNT ac40 5670MHz High Ant1



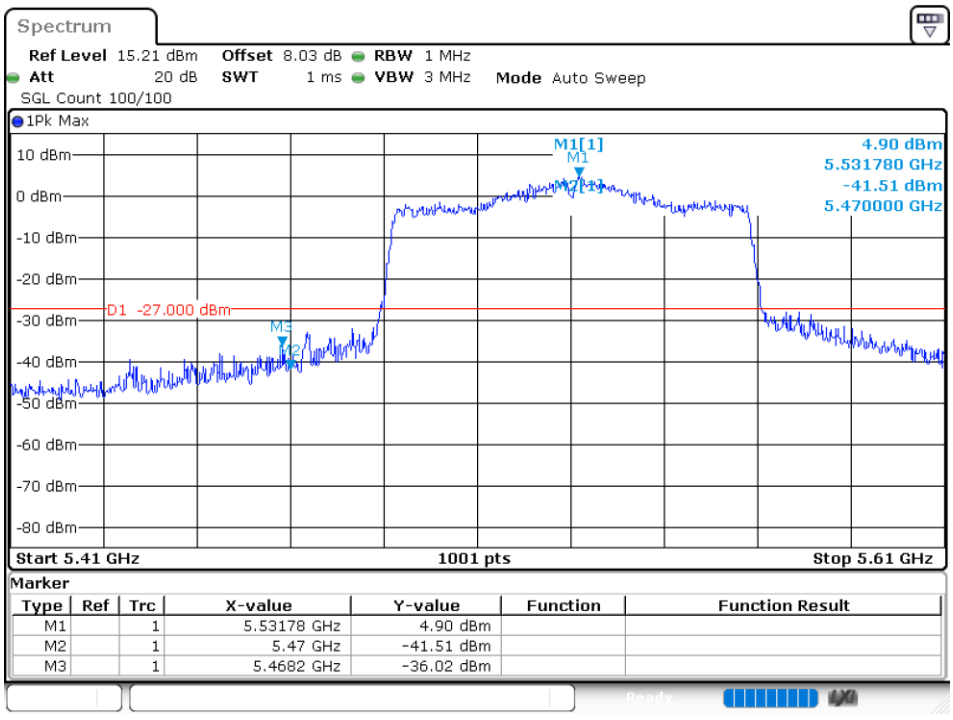
Band Edge NVNT ac40 5670MHz High Ant2



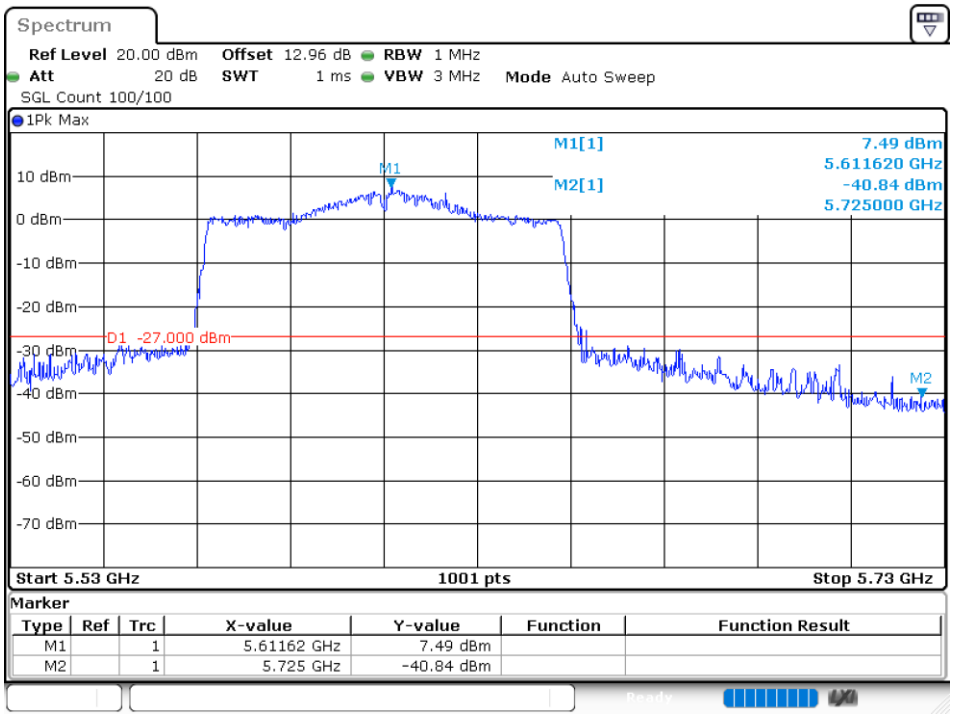
Band Edge NVNT ac80 5530MHz Low Ant1



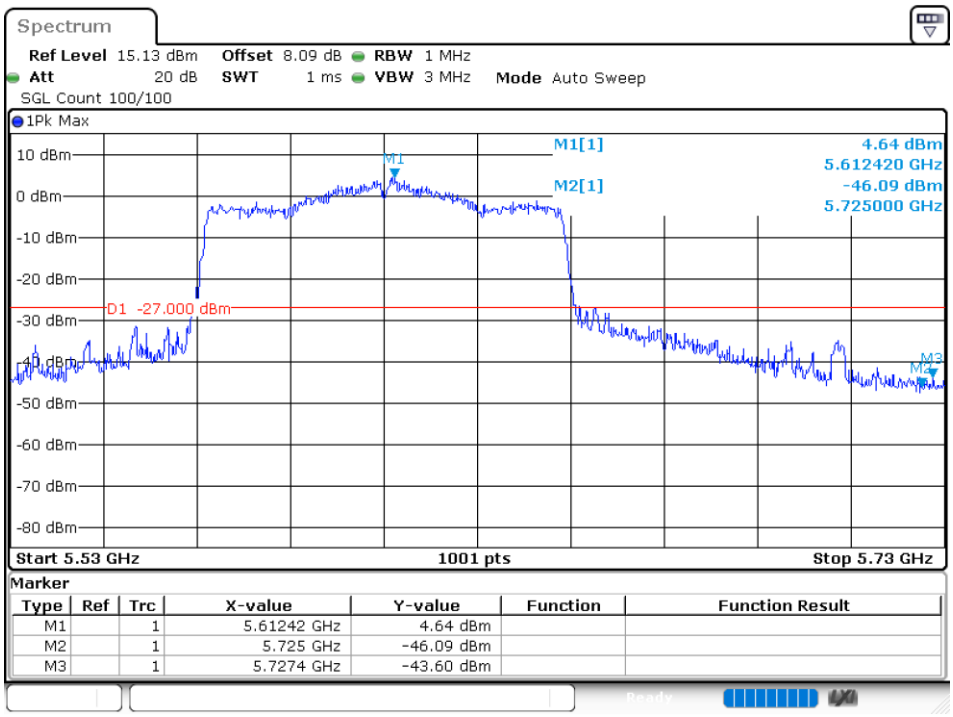
Band Edge NVNT ac80 5530MHz Low Ant2



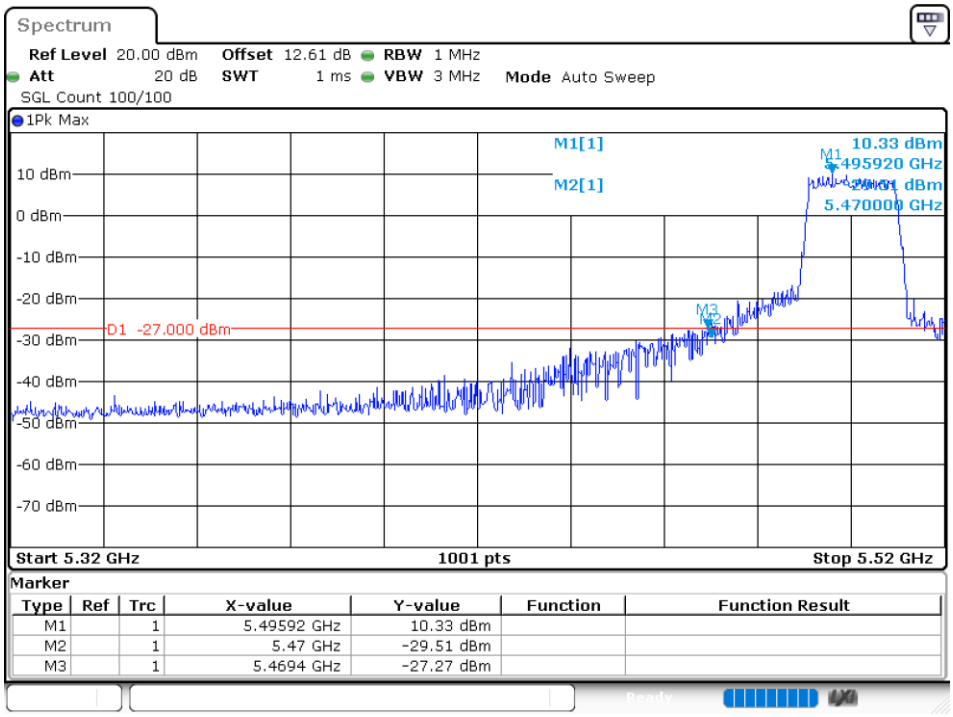
Band Edge NVNT ac80 5610MHz High Ant1



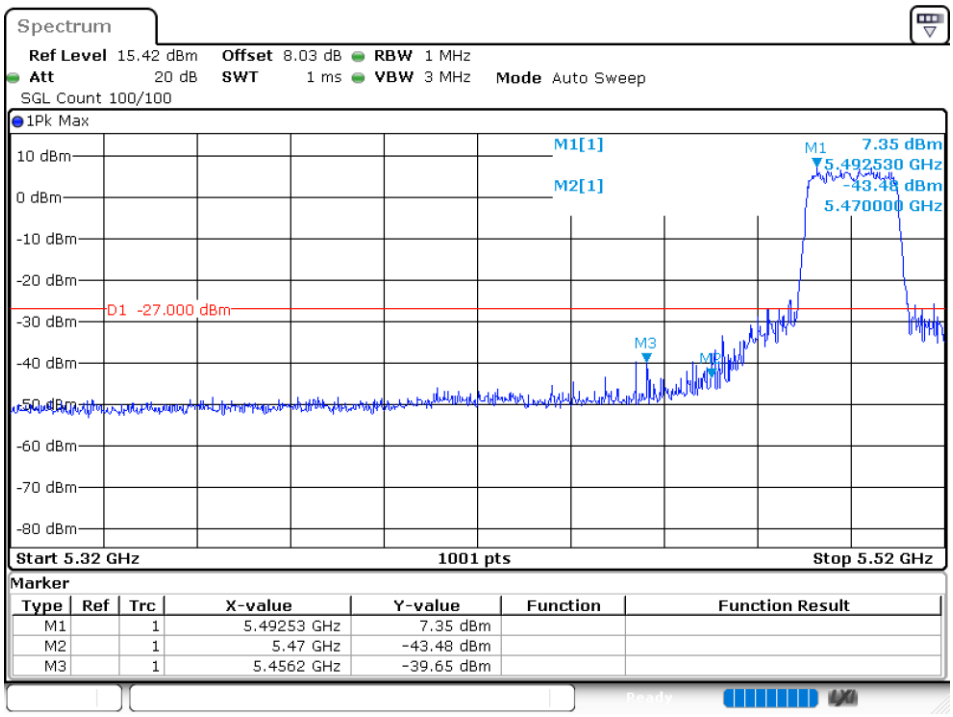
Band Edge NVNT ac80 5610MHz High Ant2



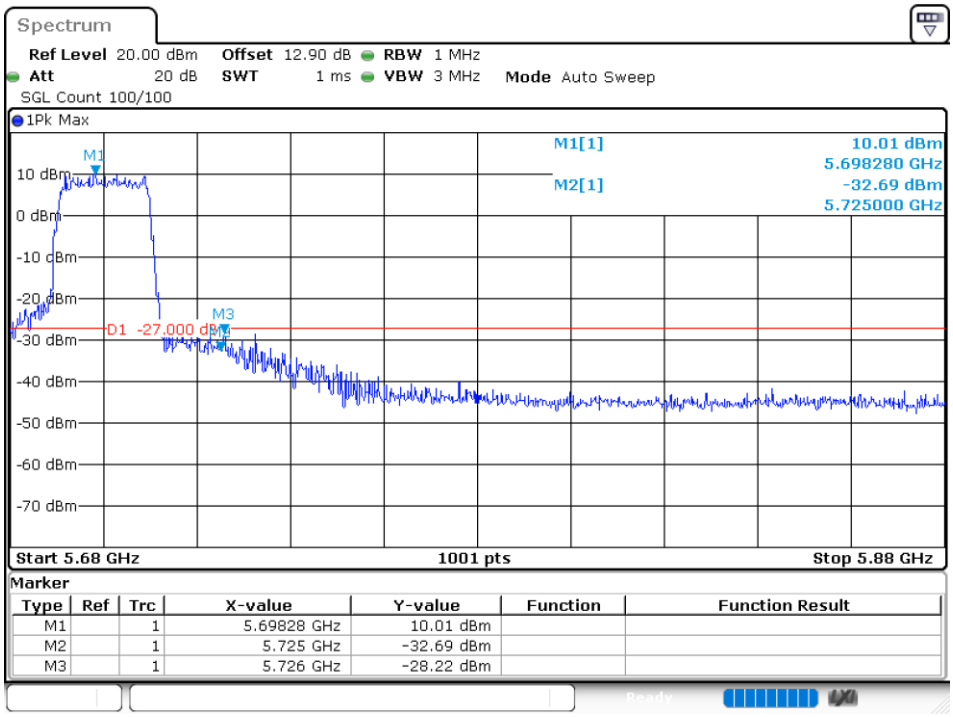
Band Edge NVNT ax20 5500MHz Low Ant1



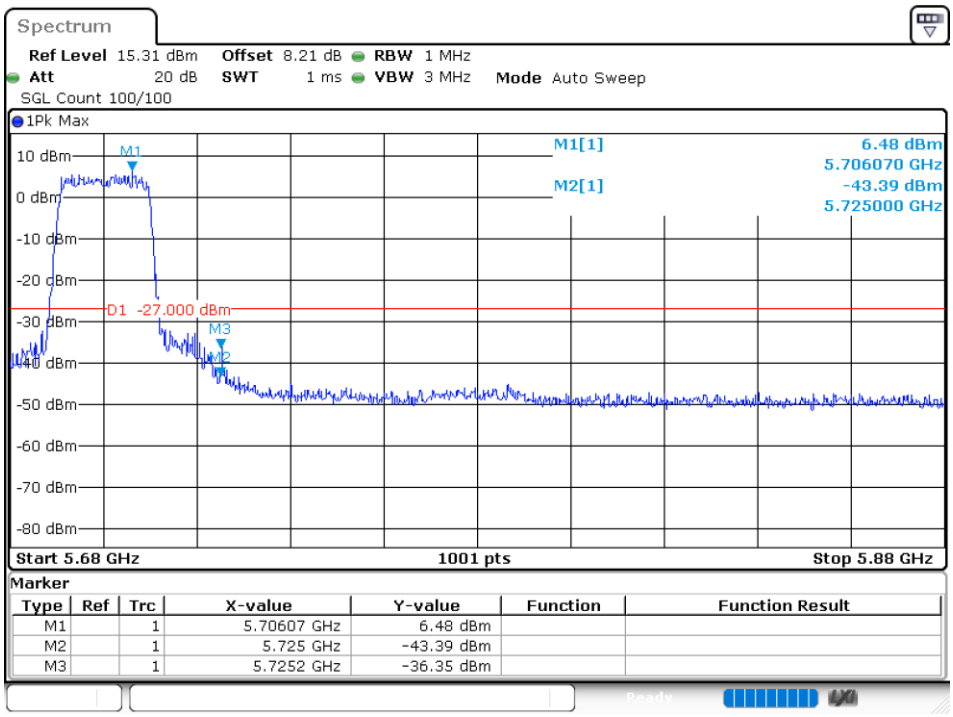
Band Edge NVNT ax20 5500MHz Low Ant2



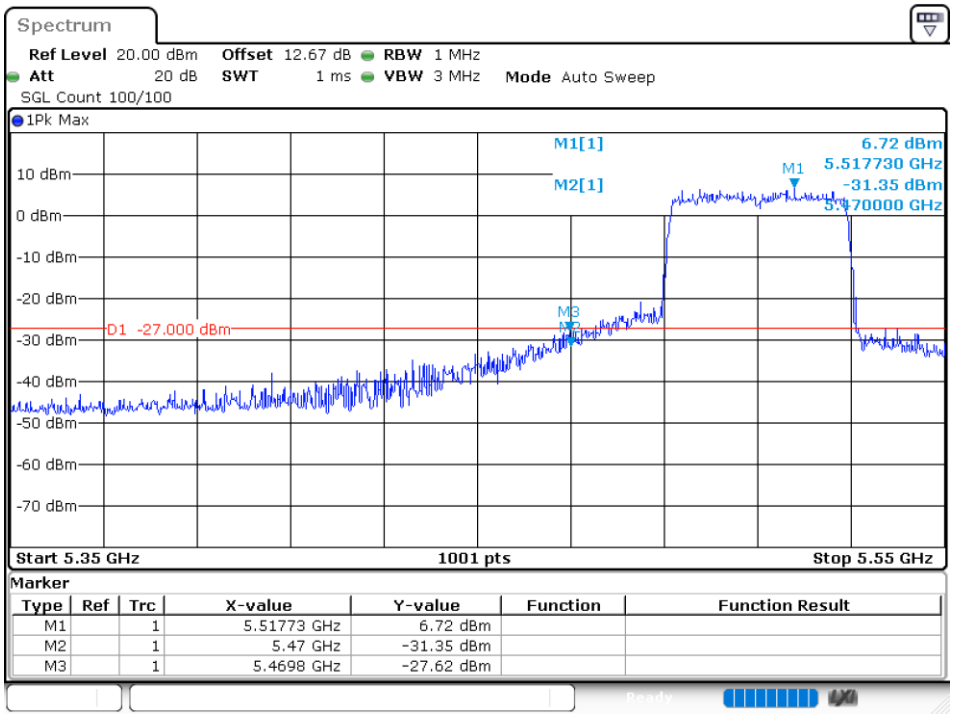
Band Edge NVNT ax20 5700MHz High Ant1



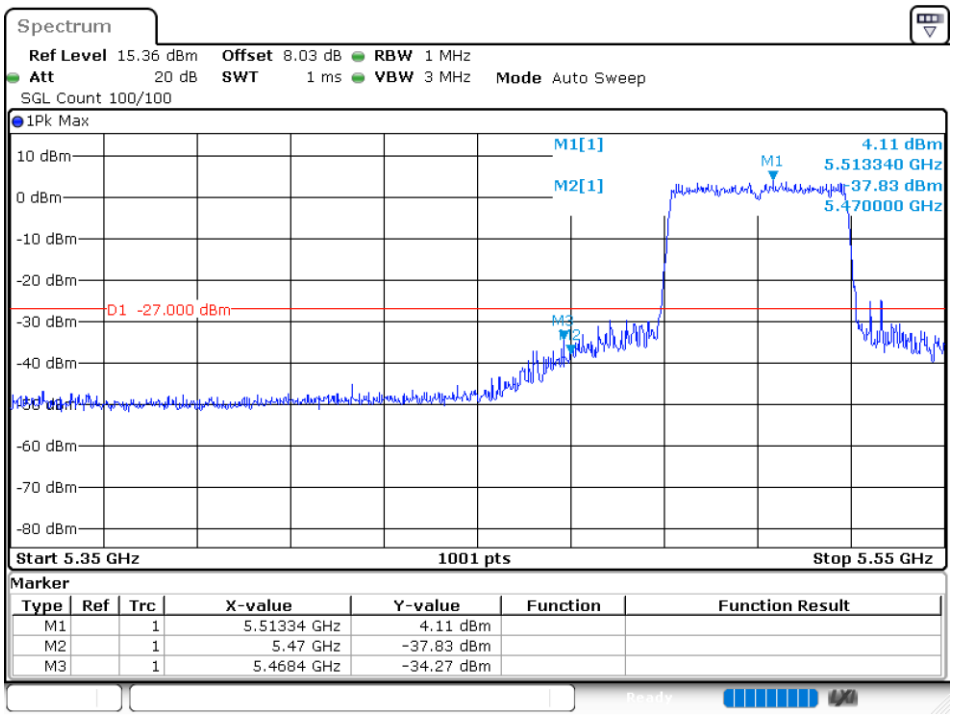
Band Edge NVNT ax20 5700MHz High Ant2



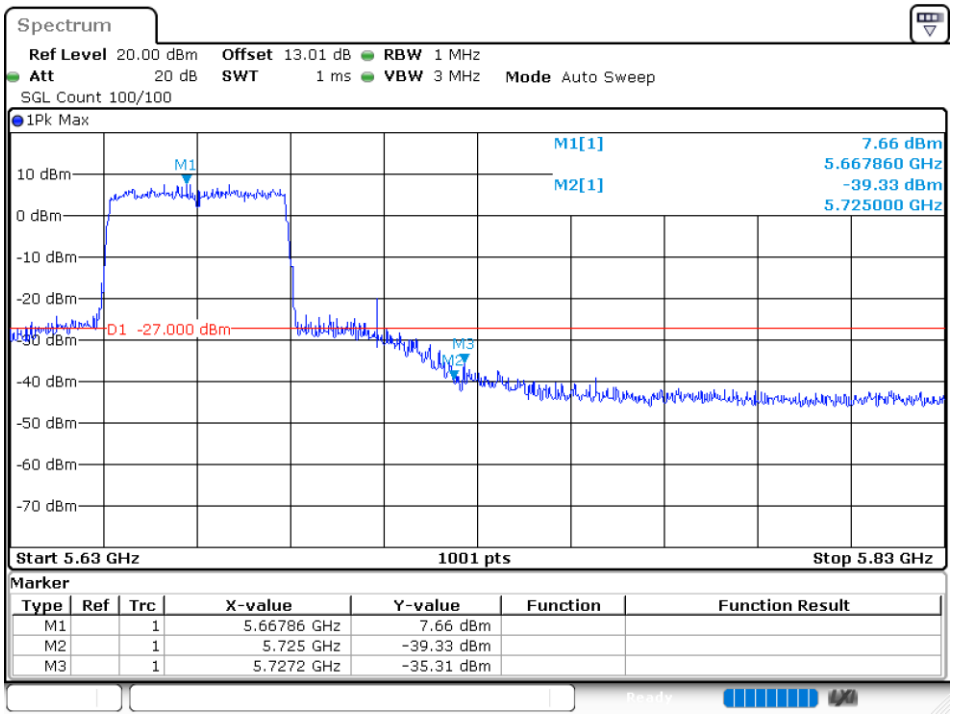
Band Edge NVNT ax40 5510MHz Low Ant1



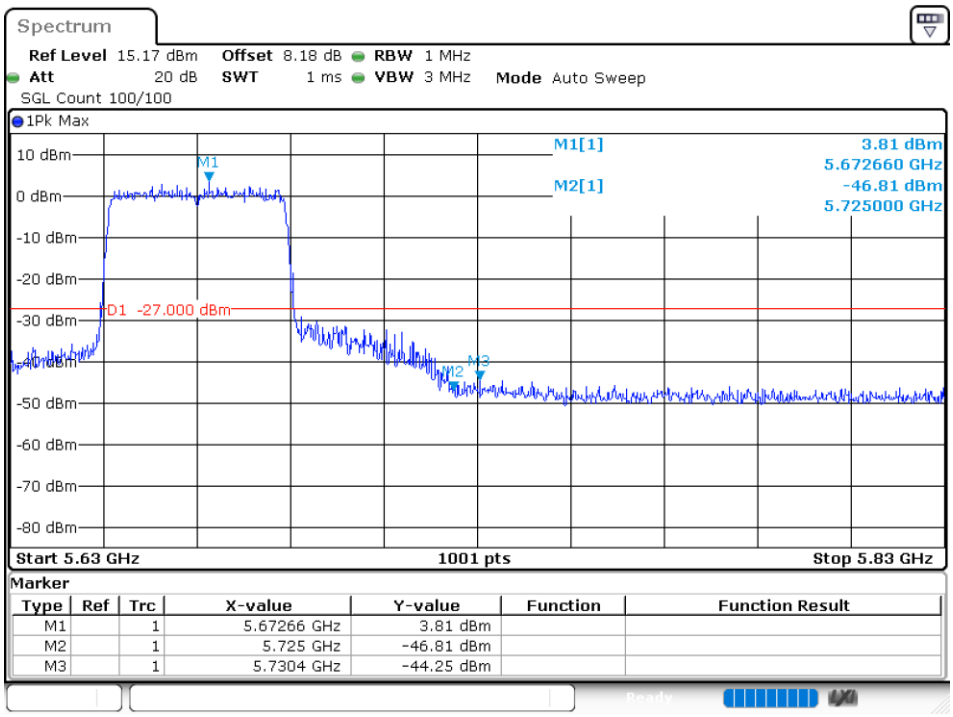
Band Edge NVNT ax40 5510MHz Low Ant2



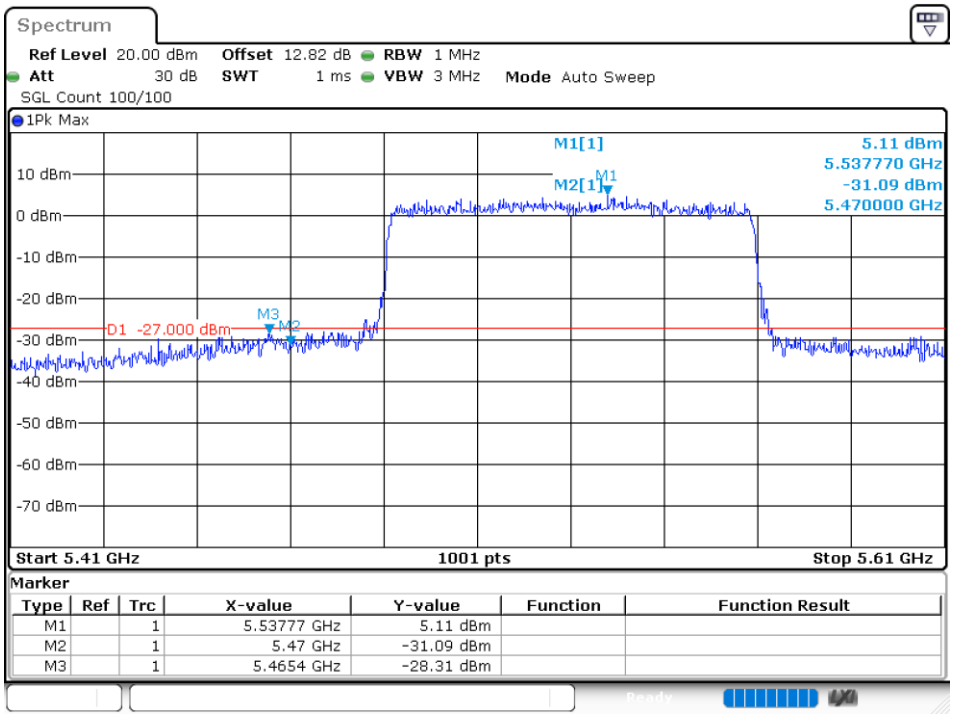
Band Edge NVNT ax40 5670MHz High Ant1



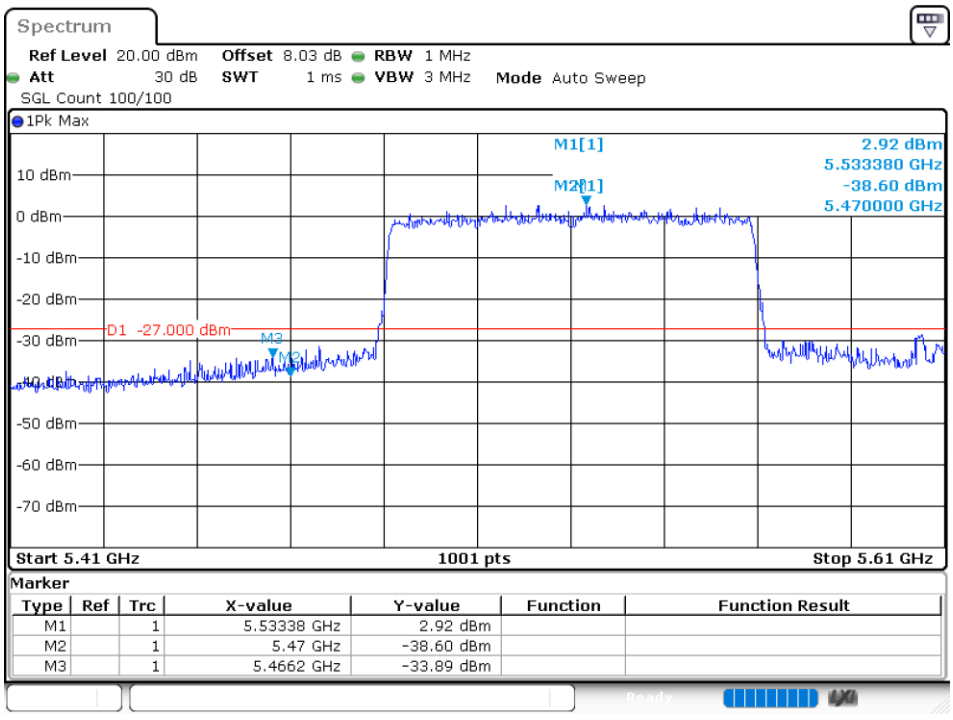
Band Edge NVNT ax40 5670MHz High Ant2



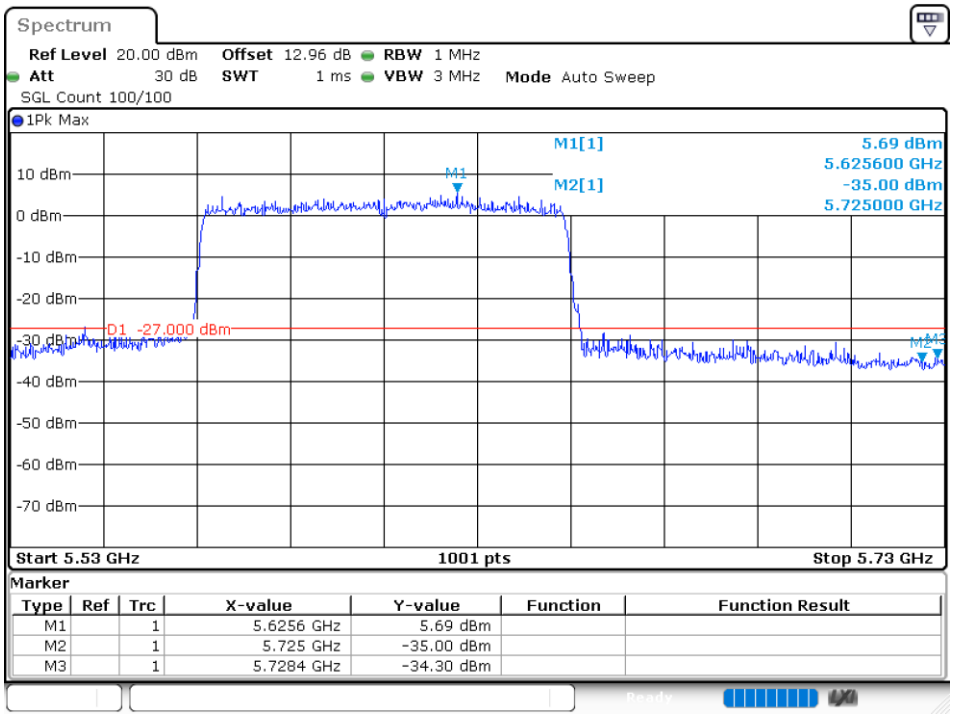
Band Edge NVNT ax80 5530MHz Low Ant1



Band Edge NVNT ax80 5530MHz Low Ant2



Band Edge NVNT ax80 5610MHz High Ant1



Band Edge NVNT ax80 5610MHz High Ant2