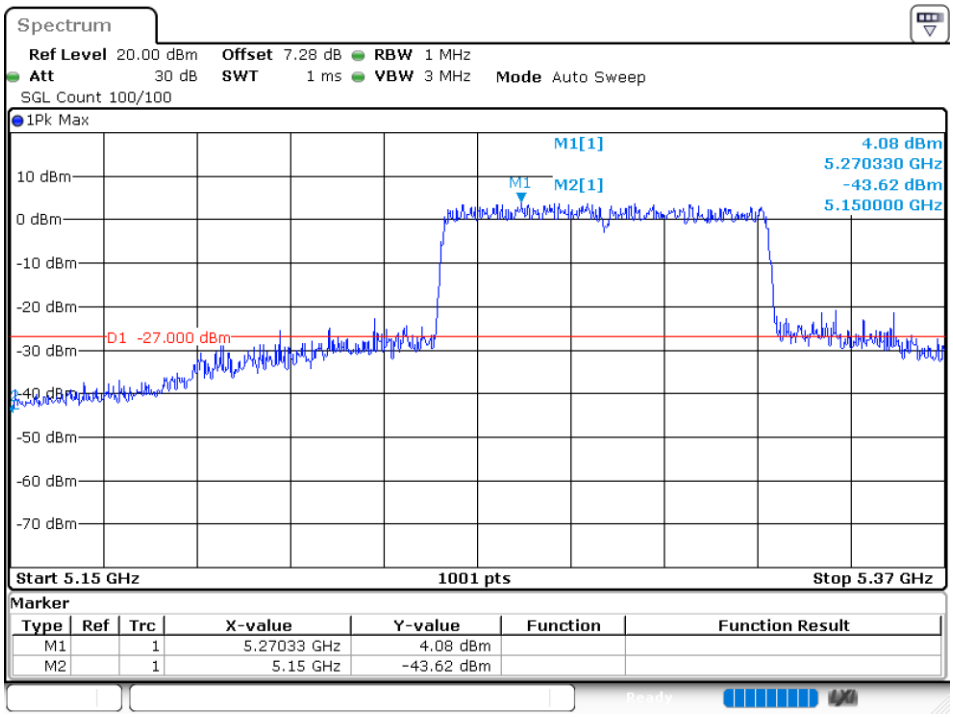
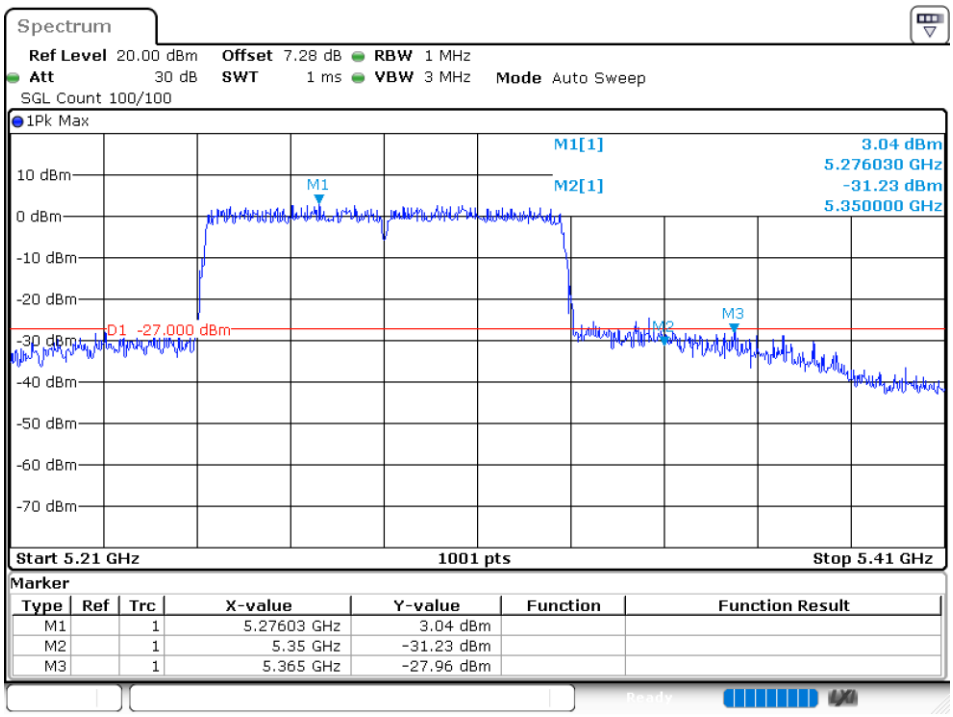
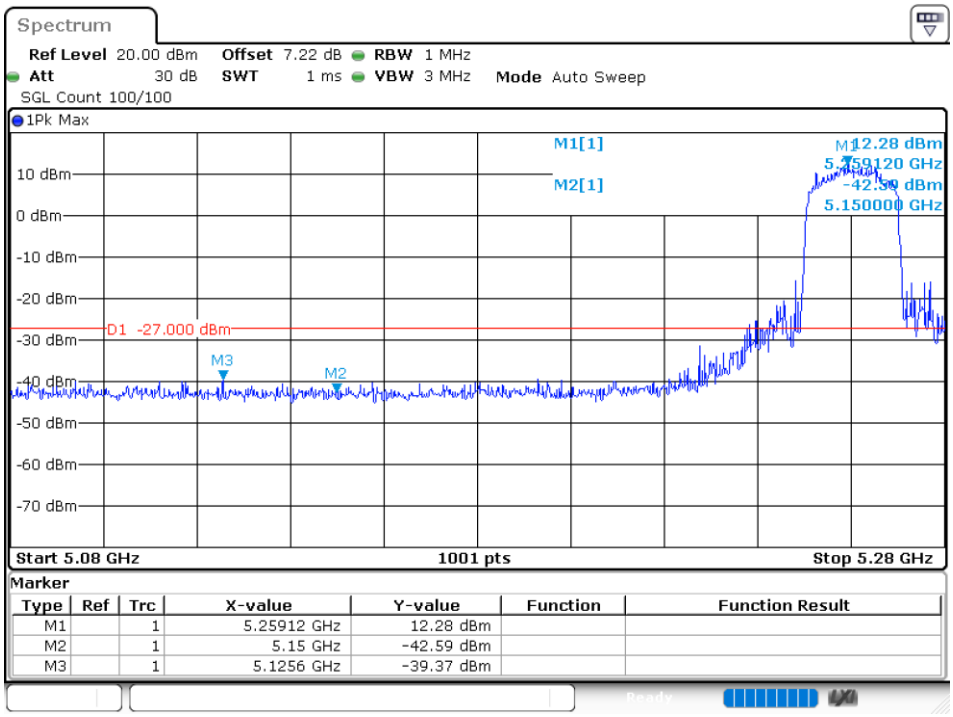
Band Edge NVNT ac80 5290MHz Low Ant2



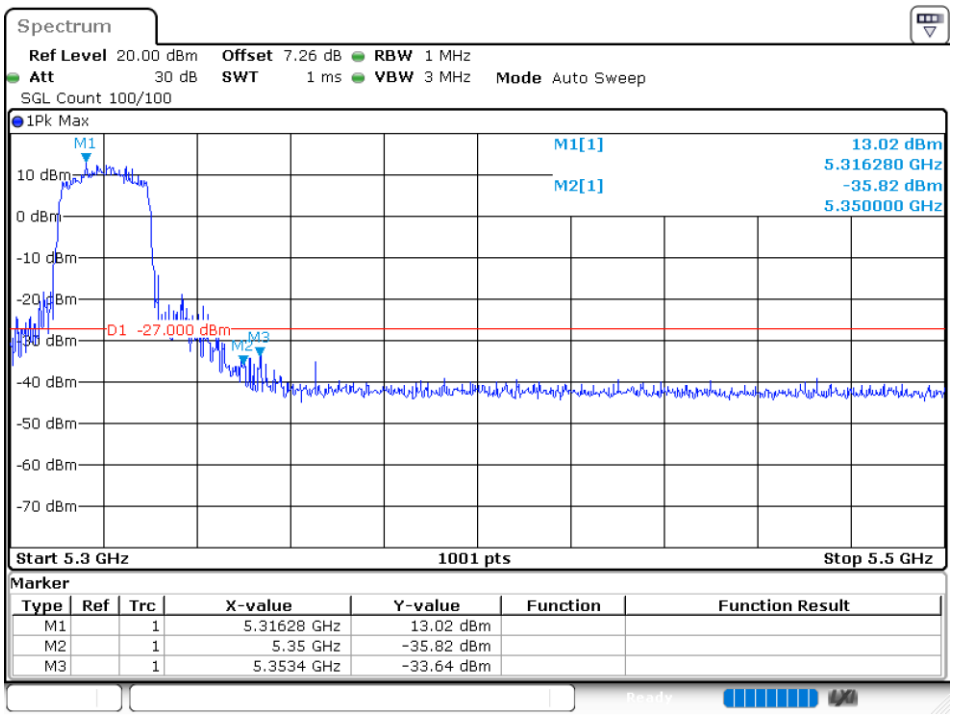
Band Edge NVNT ac80 5290MHz High Ant2



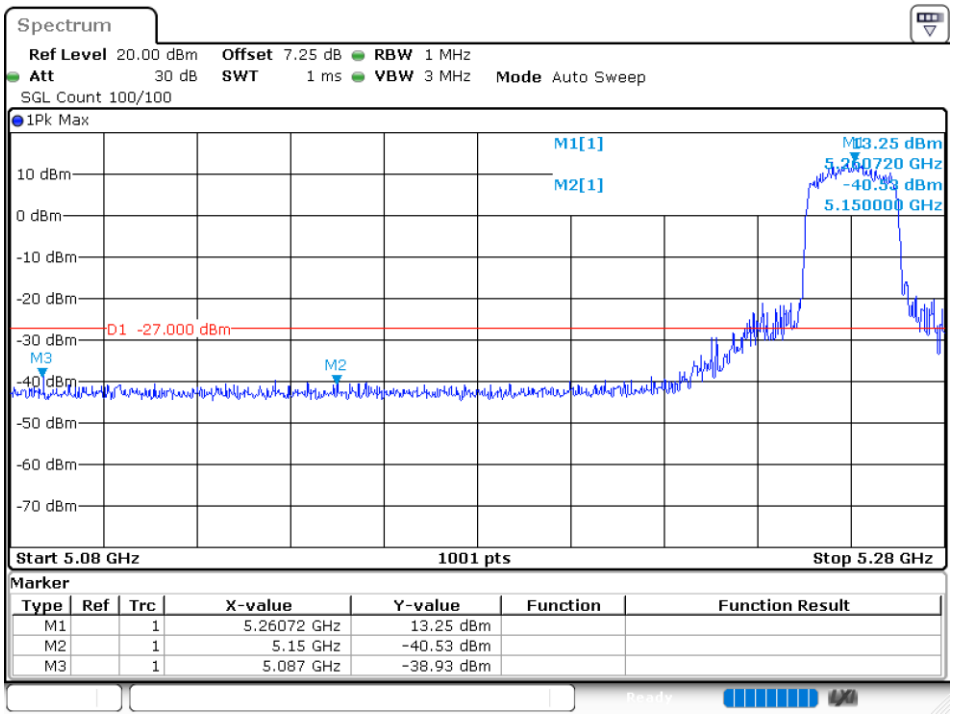
Band Edge NVNT ax20 5260MHz Low Ant1



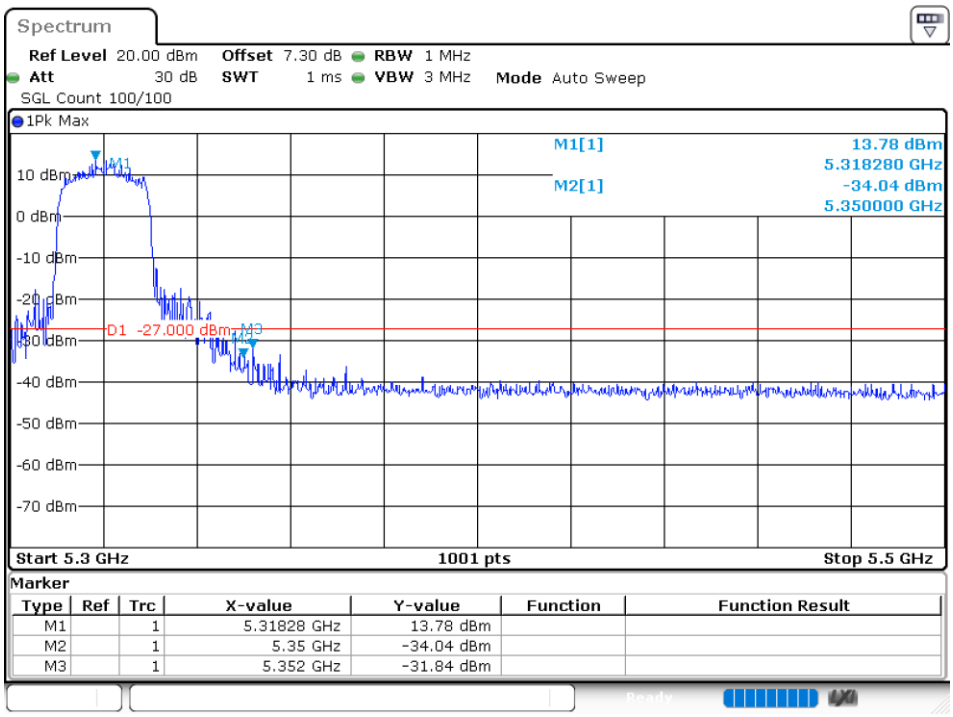
Band Edge NVNT ax20 5320MHz High Ant1



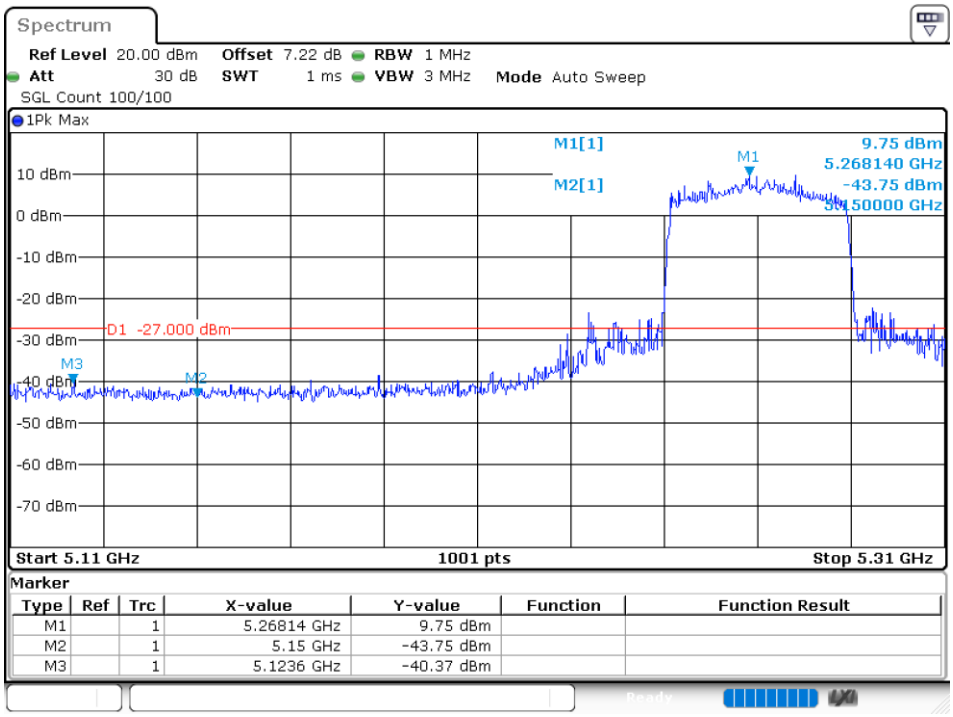
Band Edge NVNT ax20 5260MHz Low Ant2



Band Edge NVNT ax20 5320MHz High Ant2



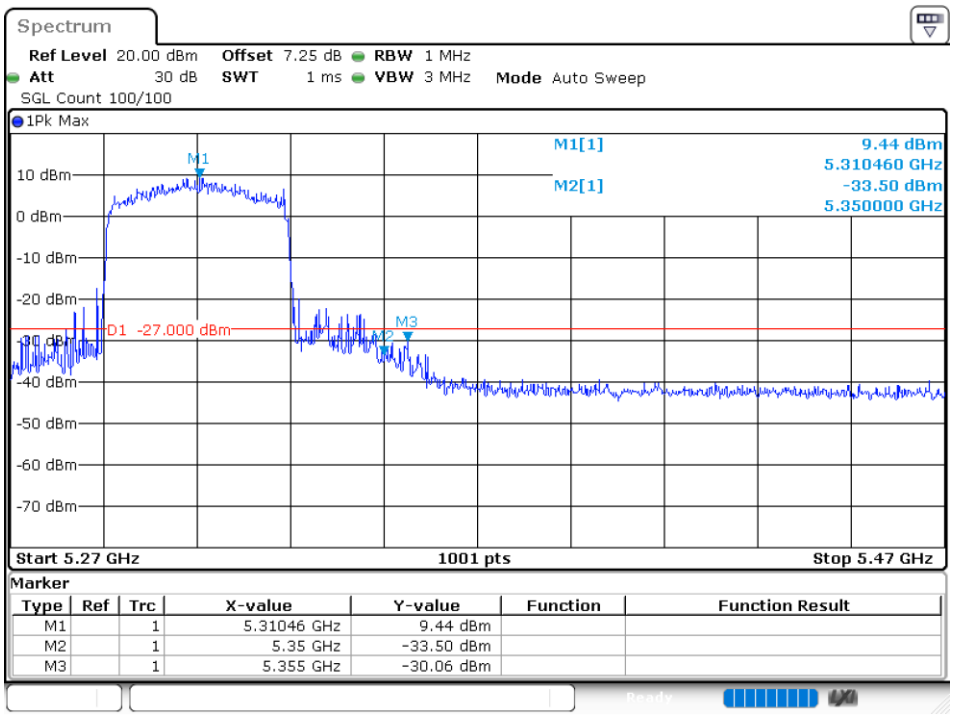
Band Edge NVNT ax40 5270MHz Low Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.26814 GHz	9.75 dBm		
M2		1	5.15 GHz	-43.75 dBm		
M3		1	5.1236 GHz	-40.37 dBm		

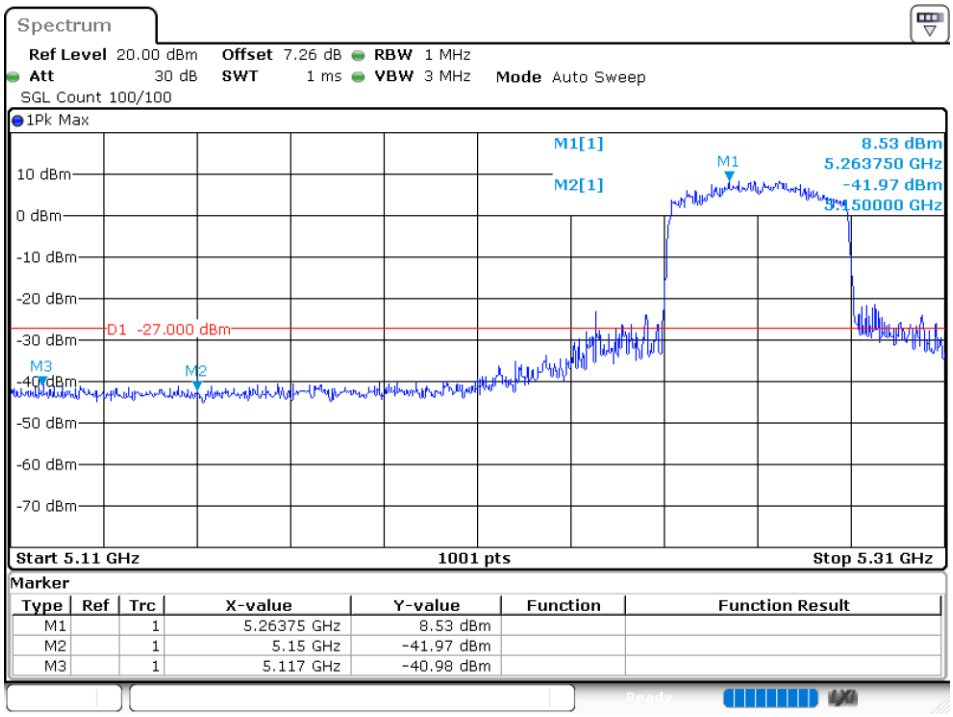
Band Edge NVNT ax40 5310MHz High Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.31046 GHz	9.44 dBm		
M2		1	5.35 GHz	-33.50 dBm		
M3		1	5.355 GHz	-30.06 dBm		

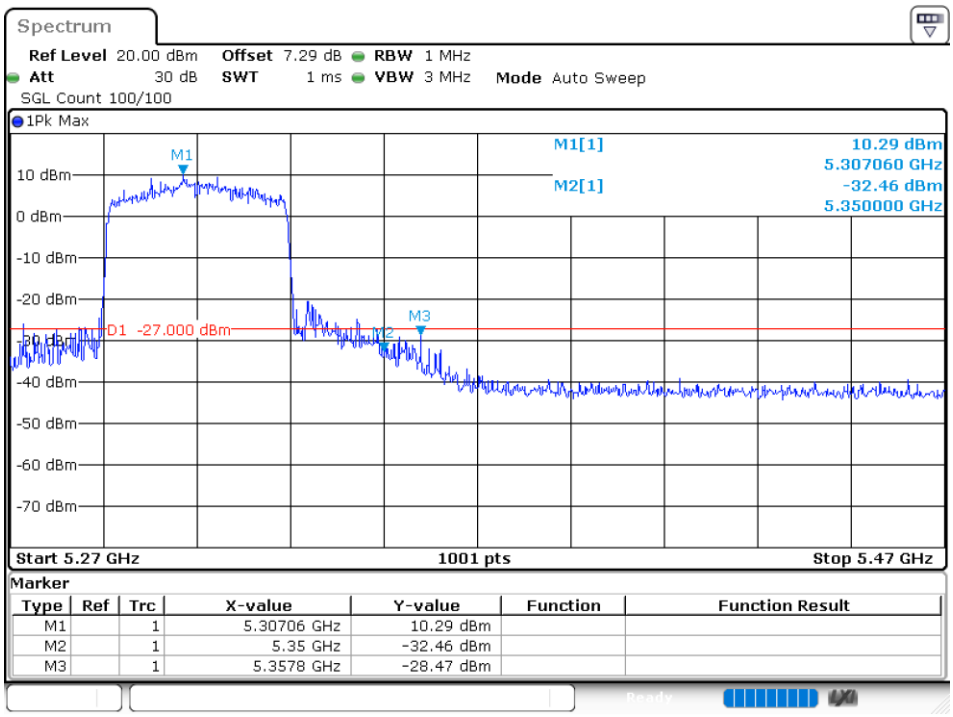
Band Edge NVNT ax40 5270MHz Low Ant2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.26375 GHz	8.53 dBm		
M2		1	5.15 GHz	-41.97 dBm		
M3		1	5.117 GHz	-40.98 dBm		

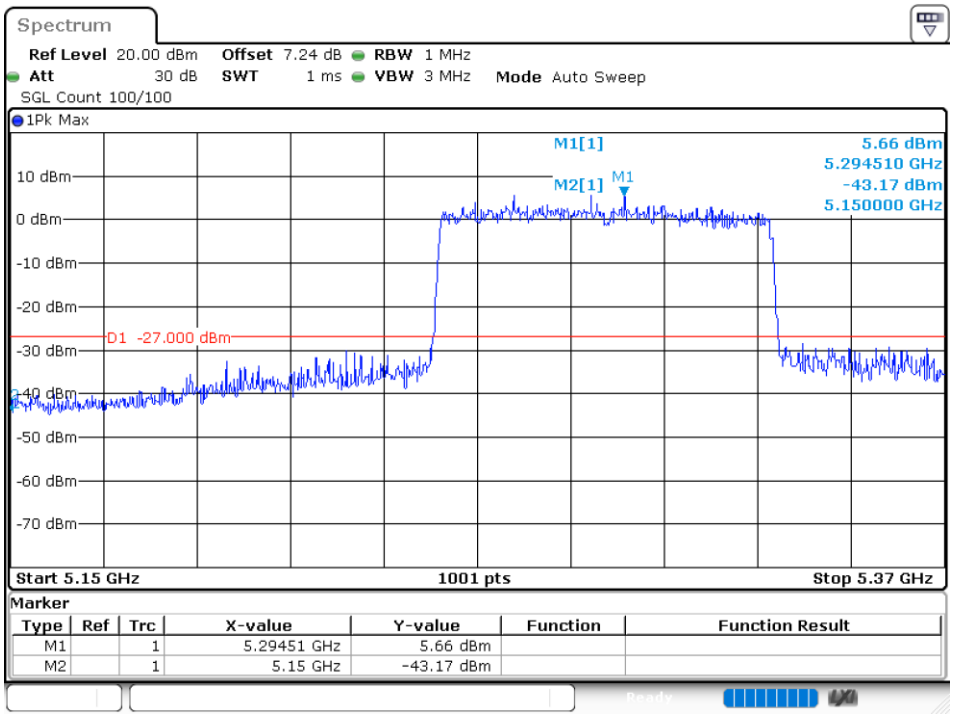
Band Edge NVNT ax40 5310MHz High Ant2



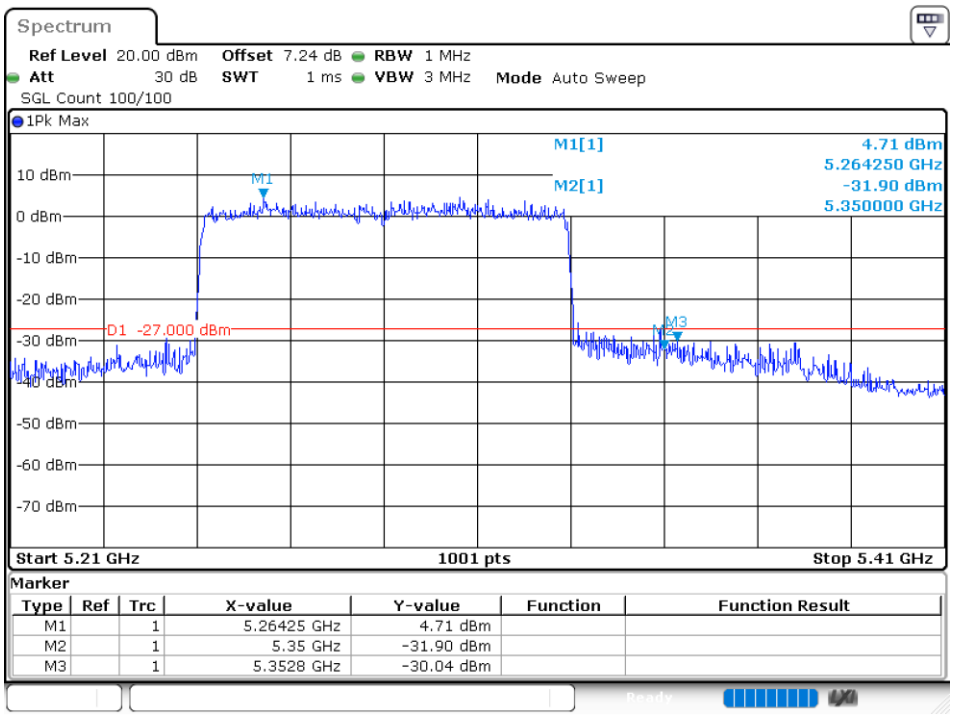
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.30706 GHz	10.29 dBm		
M2		1	5.35 GHz	-32.46 dBm		
M3		1	5.3578 GHz	-28.47 dBm		

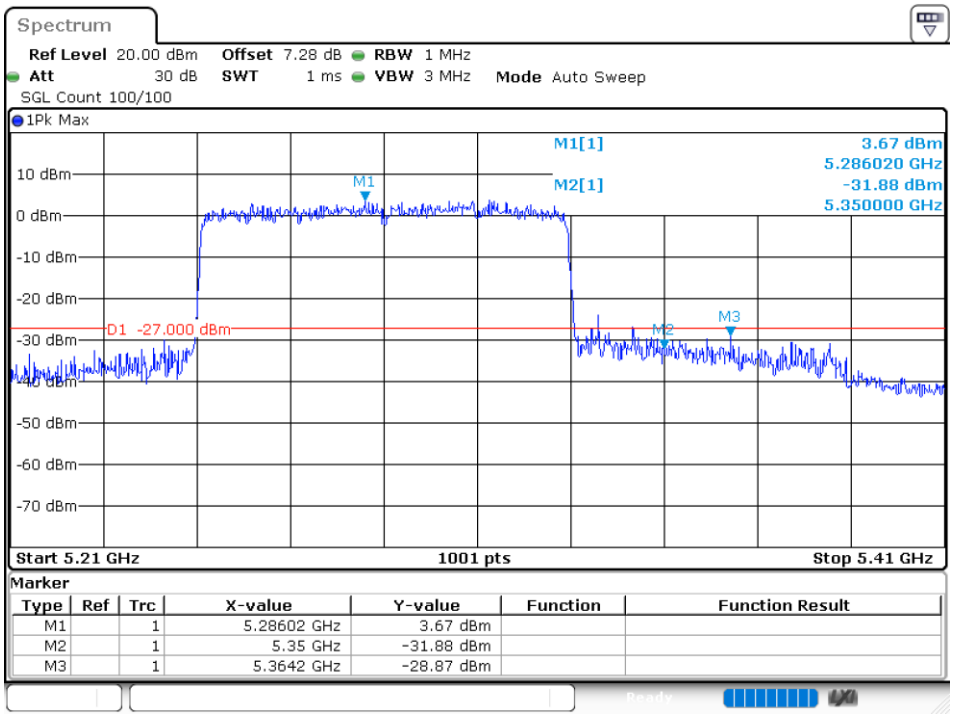
Band Edge NVNT ax80 5290MHz Low Ant1



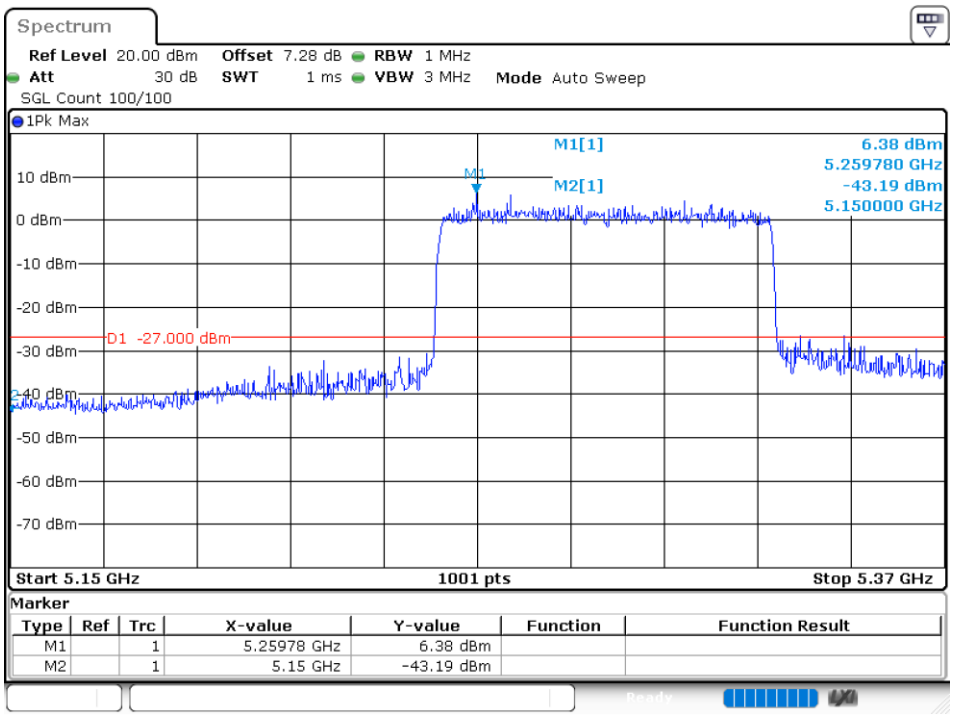
Band Edge NVNT ax80 5290MHz High Ant1



Band Edge NVNT ax80 5290MHz High Ant2



Band Edge NVNT ax80 5290MHz Low Ant2

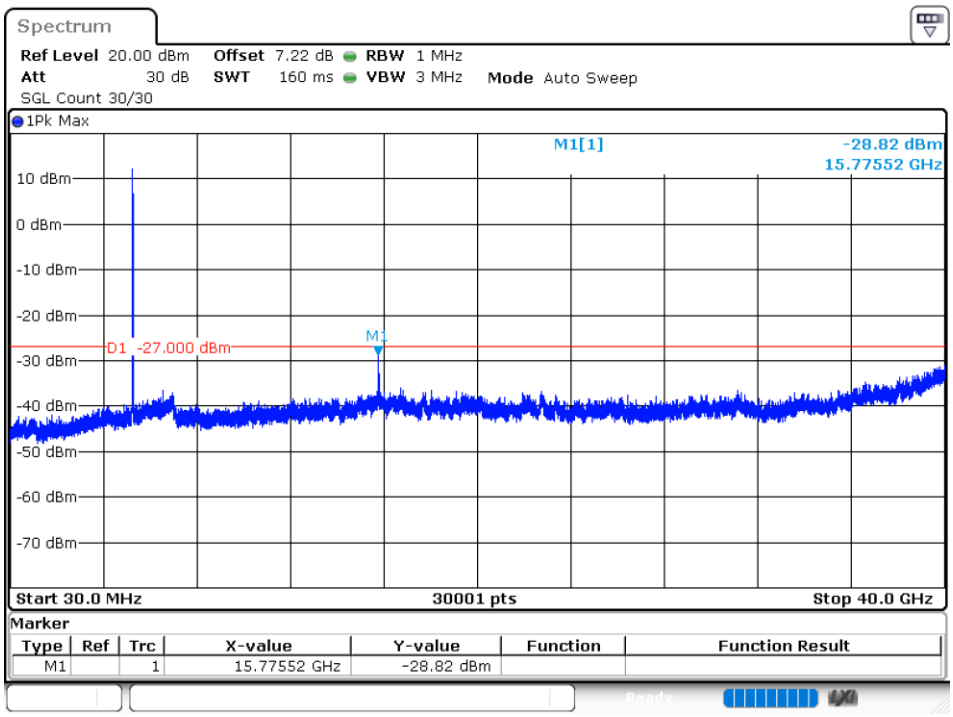


Conducted RF Spurious Emission

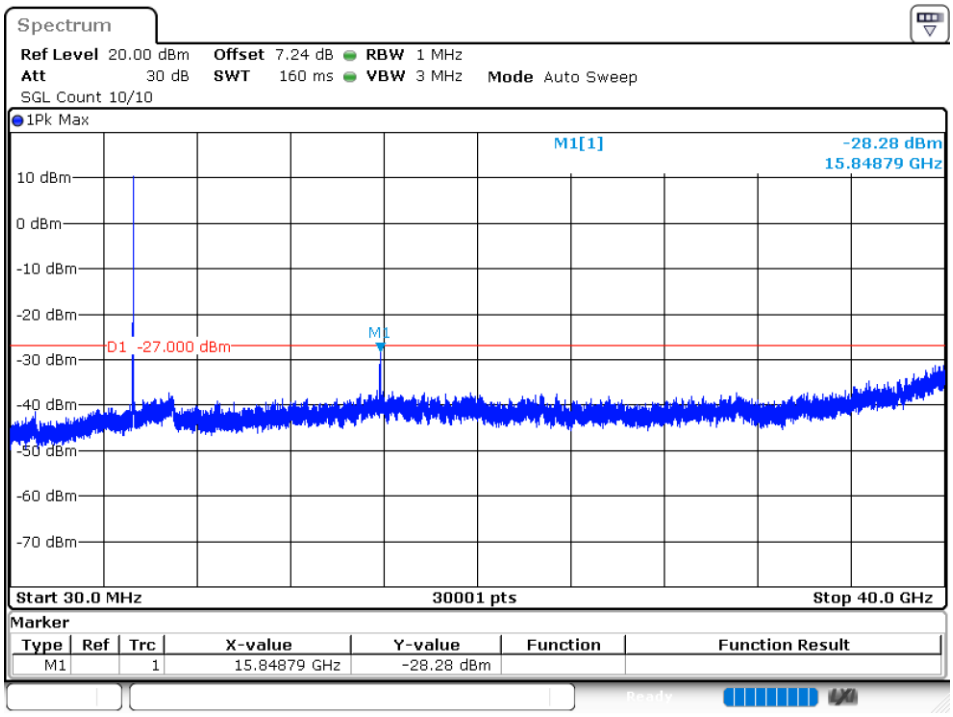
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5260	Ant1	-28.82	-27	Pass
NVNT	a	5280	Ant1	-28.28	-27	Pass
NVNT	a	5320	Ant1	-30.07	-27	Pass
NVNT	a	5260	Ant2	-30.14	-27	Pass
NVNT	a	5280	Ant2	-31.37	-27	Pass
NVNT	a	5320	Ant2	-30.98	-27	Pass
NVNT	n20	5260	Ant1	-29.72	-27	Pass
NVNT	n20	5280	Ant1	-28.96	-27	Pass
NVNT	n20	5320	Ant1	-31.79	-27	Pass
NVNT	n20	5260	Ant2	-31.36	-27	Pass
NVNT	n20	5280	Ant2	-30.95	-27	Pass
NVNT	n20	5320	Ant2	-30.2	-27	Pass
NVNT	n40	5270	Ant1	-31.5	-27	Pass
NVNT	n40	5310	Ant1	-30.9	-27	Pass
NVNT	n40	5270	Ant2	-30.15	-27	Pass
NVNT	n40	5310	Ant2	-31.17	-27	Pass
NVNT	ac20	5260	Ant1	-29.86	-27	Pass
NVNT	ac20	5280	Ant1	-31.28	-27	Pass
NVNT	ac20	5320	Ant1	-29.09	-27	Pass
NVNT	ac20	5260	Ant2	-30.24	-27	Pass
NVNT	ac20	5280	Ant2	-31.23	-27	Pass
NVNT	ac20	5320	Ant2	-31.42	-27	Pass
NVNT	ac40	5270	Ant1	-31.61	-27	Pass
NVNT	ac40	5310	Ant1	-31.53	-27	Pass
NVNT	ac40	5270	Ant2	-31.59	-27	Pass
NVNT	ac40	5310	Ant2	-30.95	-27	Pass
NVNT	ac80	5290	Ant1	-30.31	-27	Pass
NVNT	ac80	5290	Ant2	-31.56	-27	Pass
NVNT	ax20	5260	Ant1	-27.27	-27	Pass
NVNT	ax20	5280	Ant1	-28.54	-27	Pass
NVNT	ax20	5320	Ant1	-31.07	-27	Pass
NVNT	ax20	5260	Ant2	-30.72	-27	Pass
NVNT	ax20	5280	Ant2	-30.98	-27	Pass
NVNT	ax20	5320	Ant2	-30.49	-27	Pass
NVNT	ax40	5270	Ant1	-29.81	-27	Pass
NVNT	ax40	5310	Ant1	-31.49	-27	Pass
NVNT	ax40	5270	Ant2	-30.78	-27	Pass
NVNT	ax40	5310	Ant2	-31.73	-27	Pass
NVNT	ax80	5290	Ant1	-29.88	-27	Pass
NVNT	ax80	5290	Ant2	-31.65	-27	Pass

Test Graphs

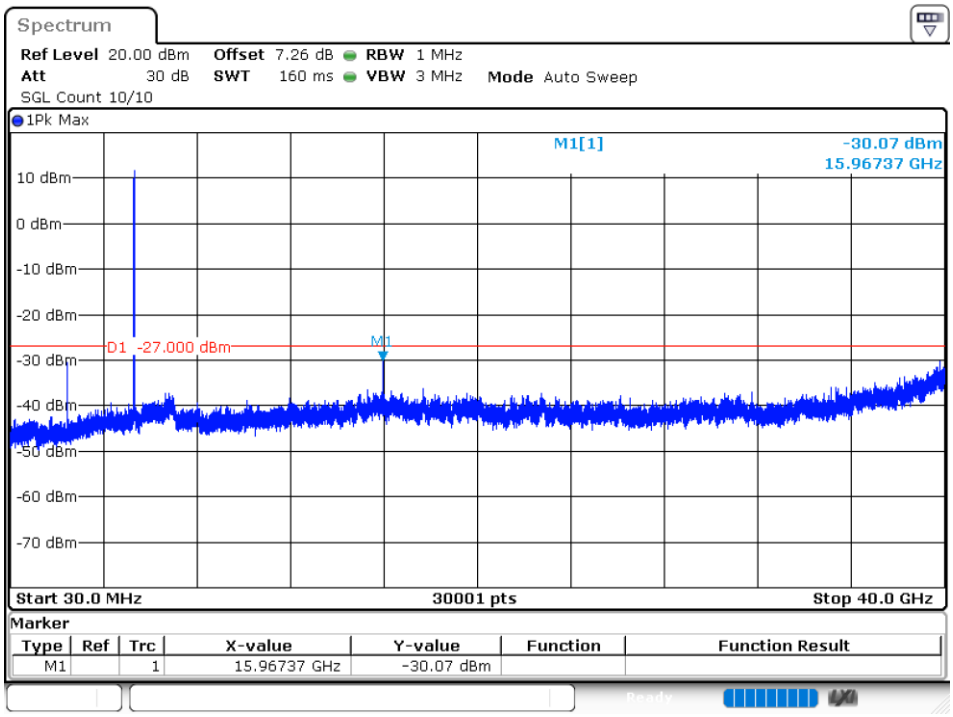
Tx. Spurious NVNT a 5260MHz Ant1 Emission



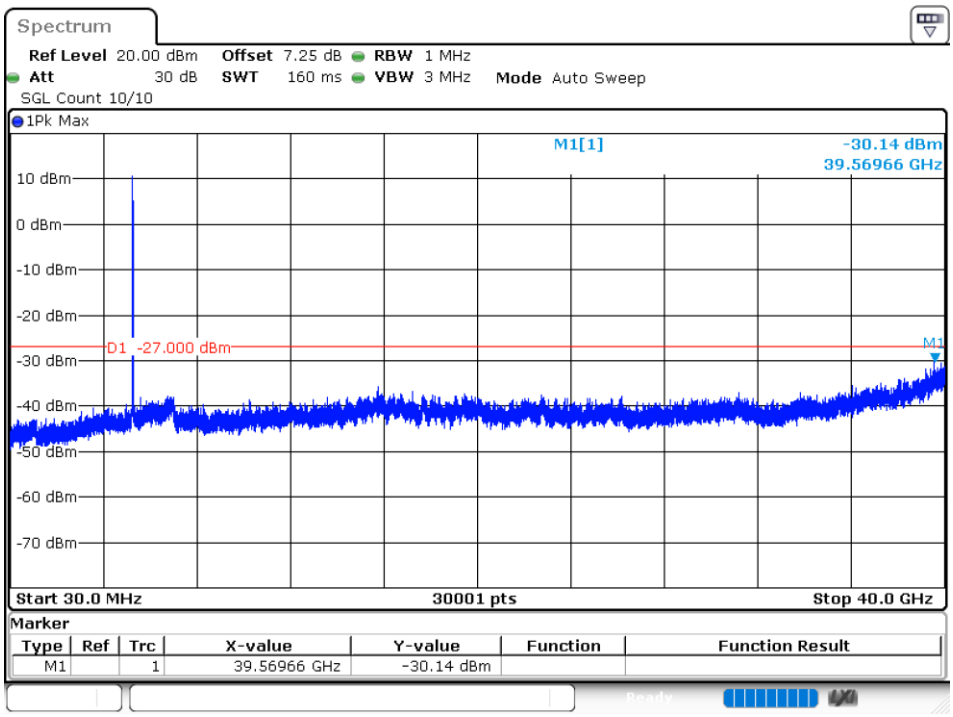
Tx. Spurious NVNT a 5280MHz Ant1 Emission



Tx. Spurious NVNT a 5320MHz Ant1 Emission



Tx. Spurious NVNT a 5260MHz Ant2 Emission



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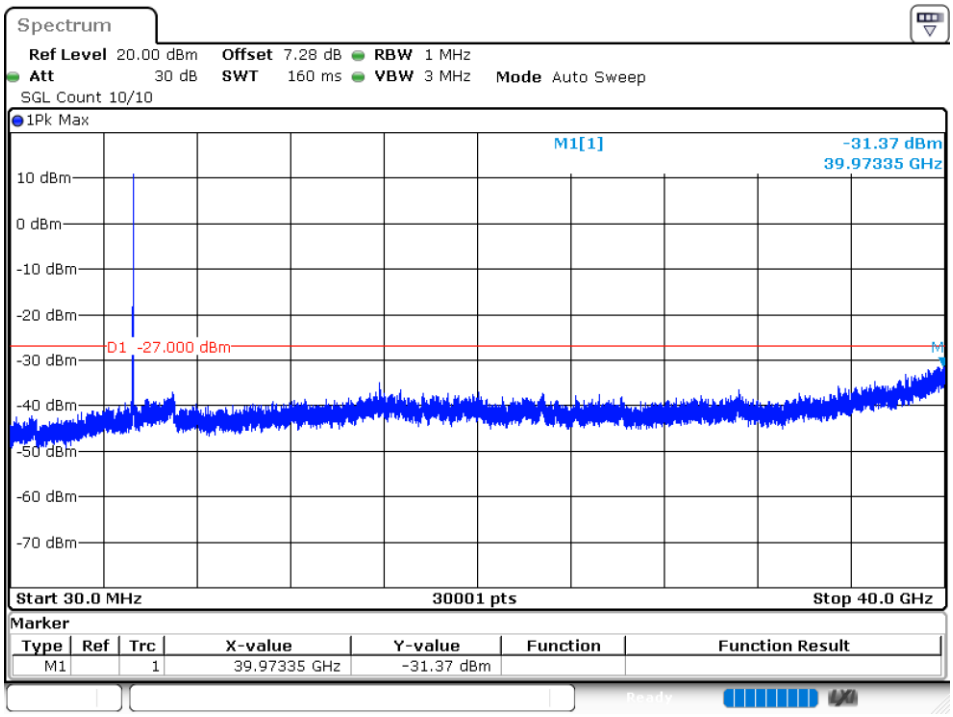

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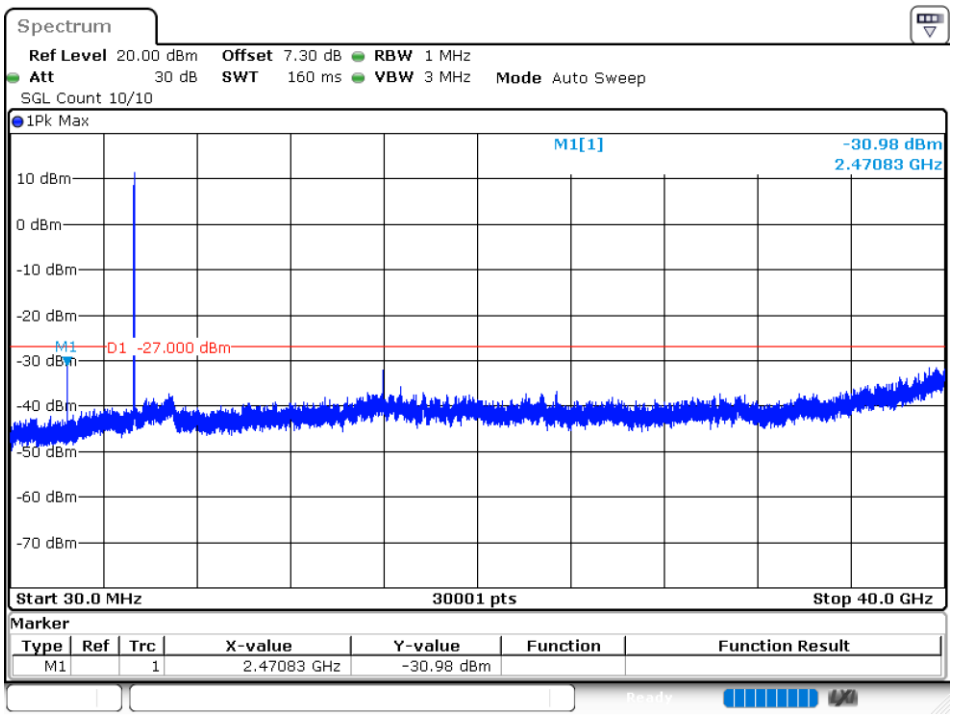
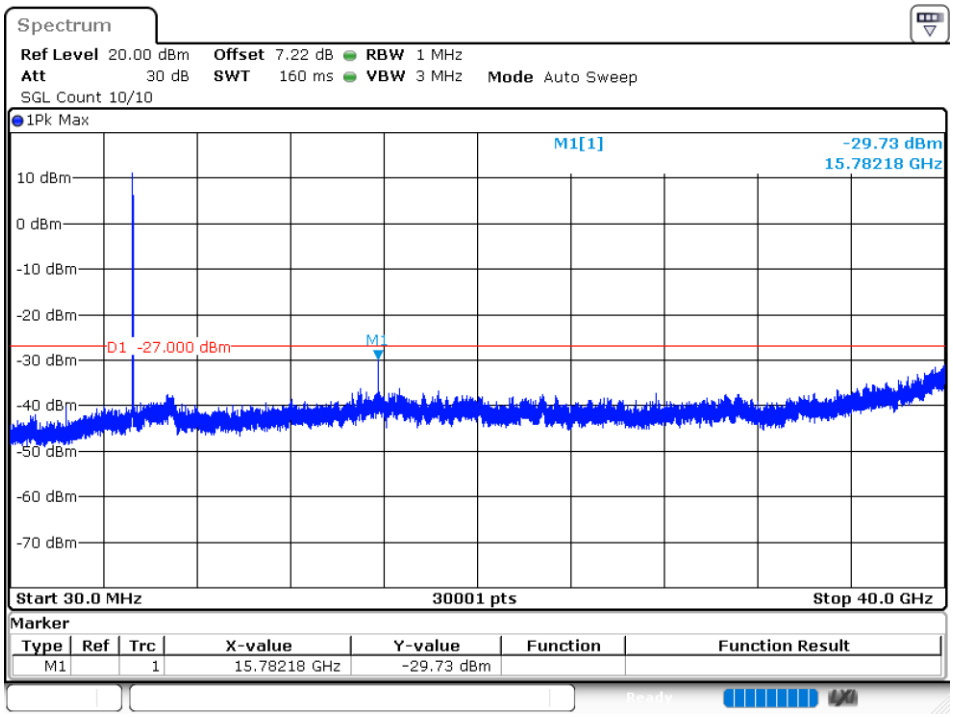
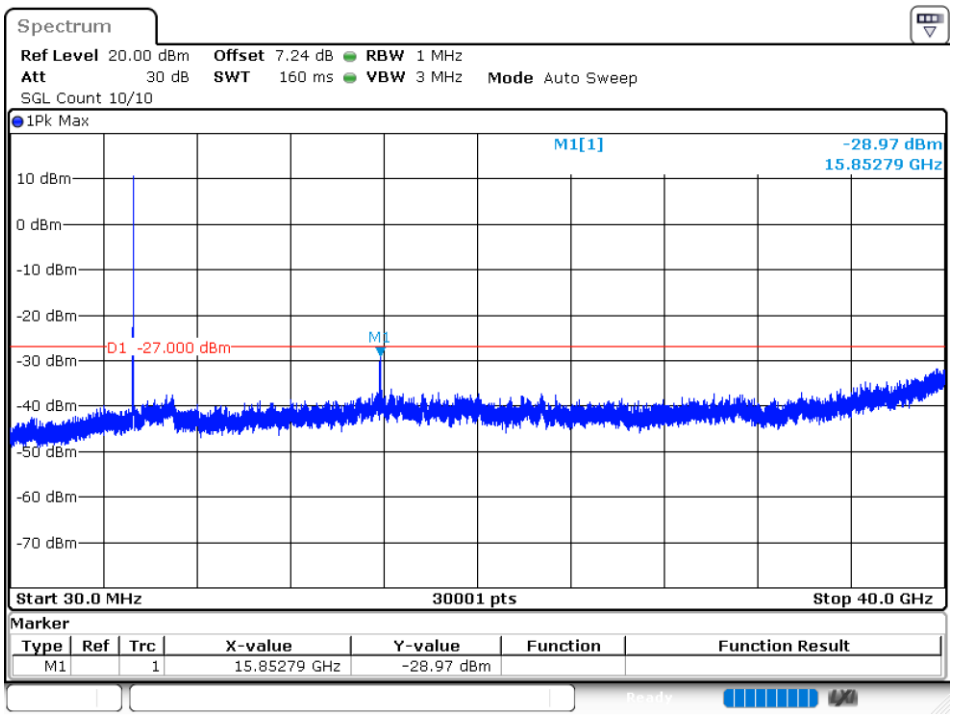


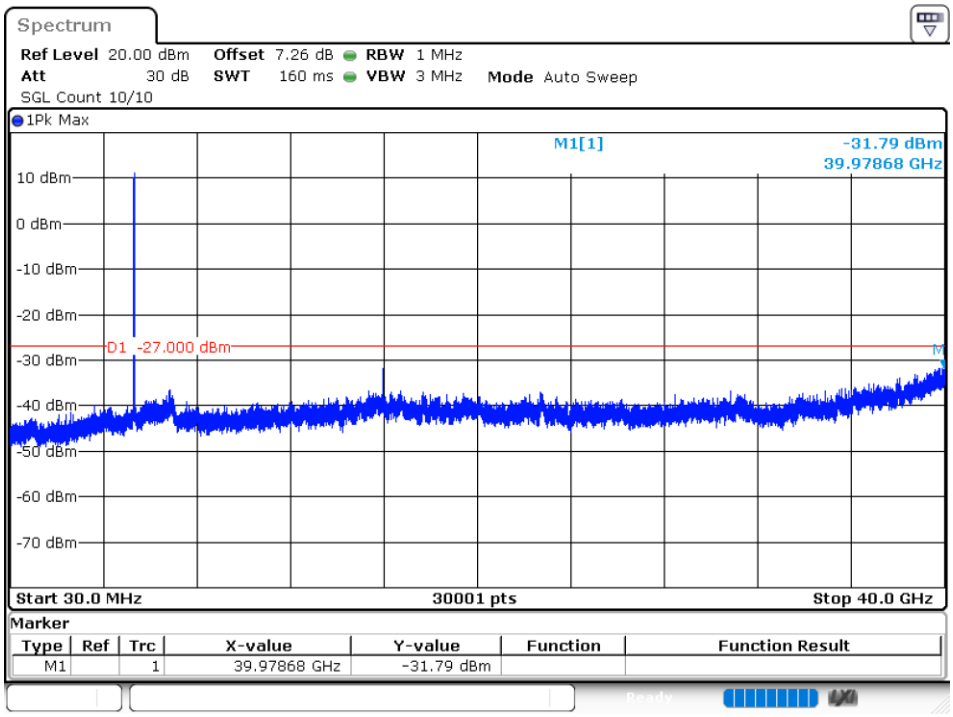
Tx. Spurious NVNT n20 5260MHz Ant1 Emission



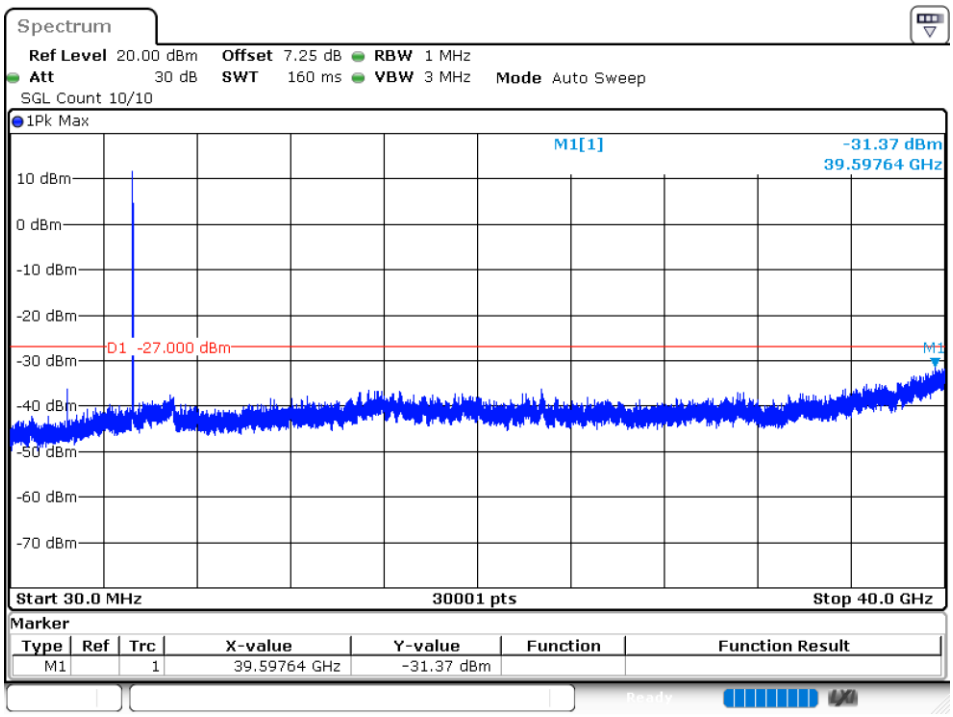
Tx. Spurious NVNT n20 5280MHz Ant1 Emission



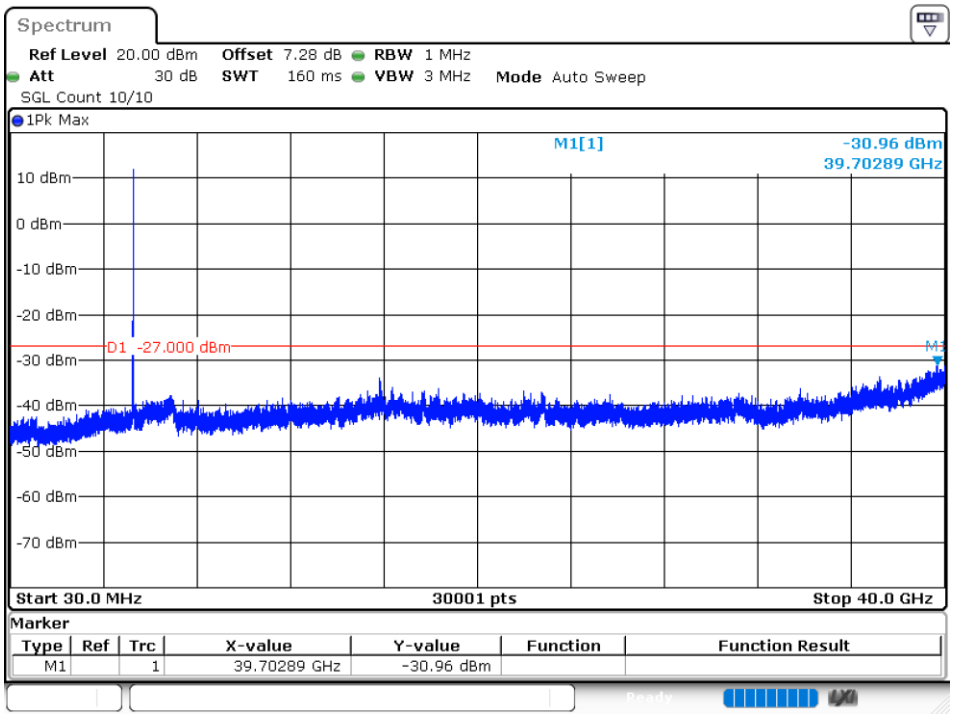
Tx. Spurious NVNT n20 5320MHz Ant1 Emission



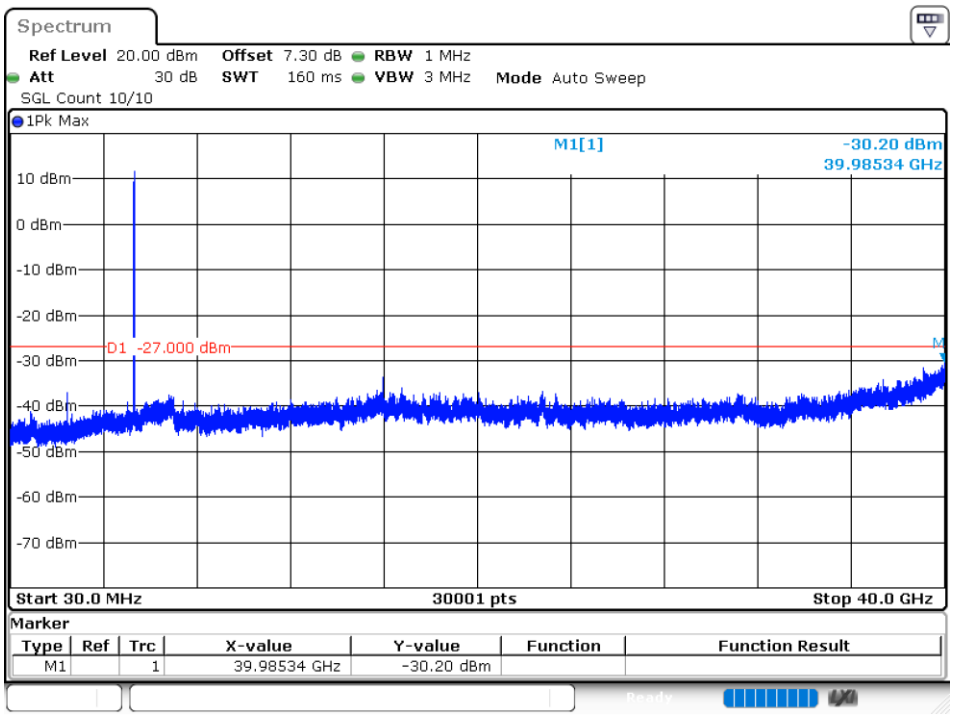
Tx. Spurious NVNT n20 5260MHz Ant2 Emission



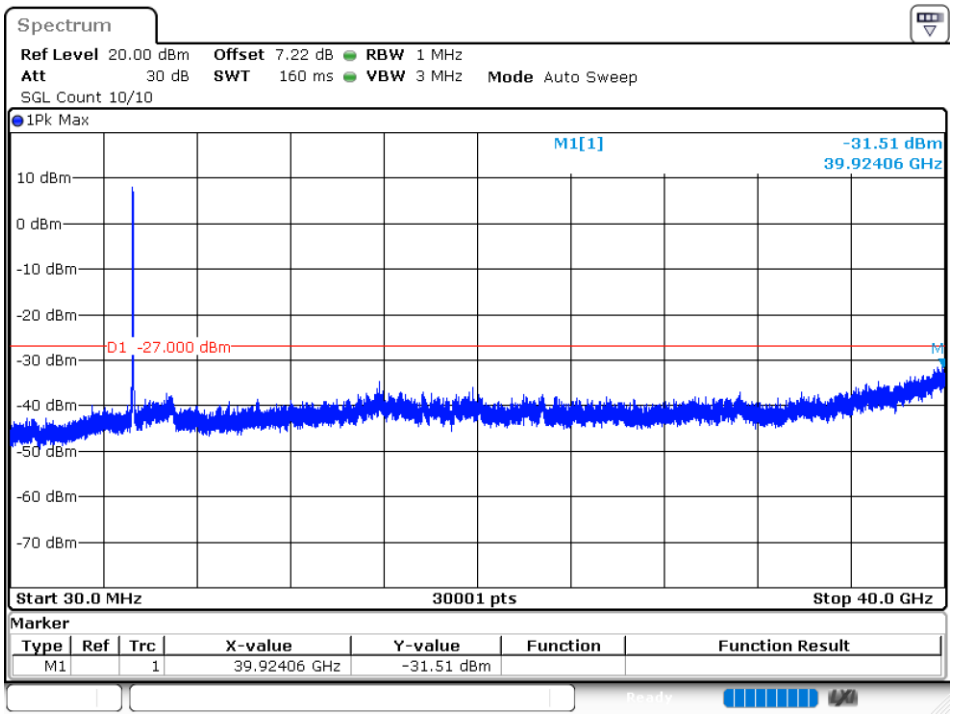
Tx. Spurious NVNT n20 5280MHz Ant2 Emission



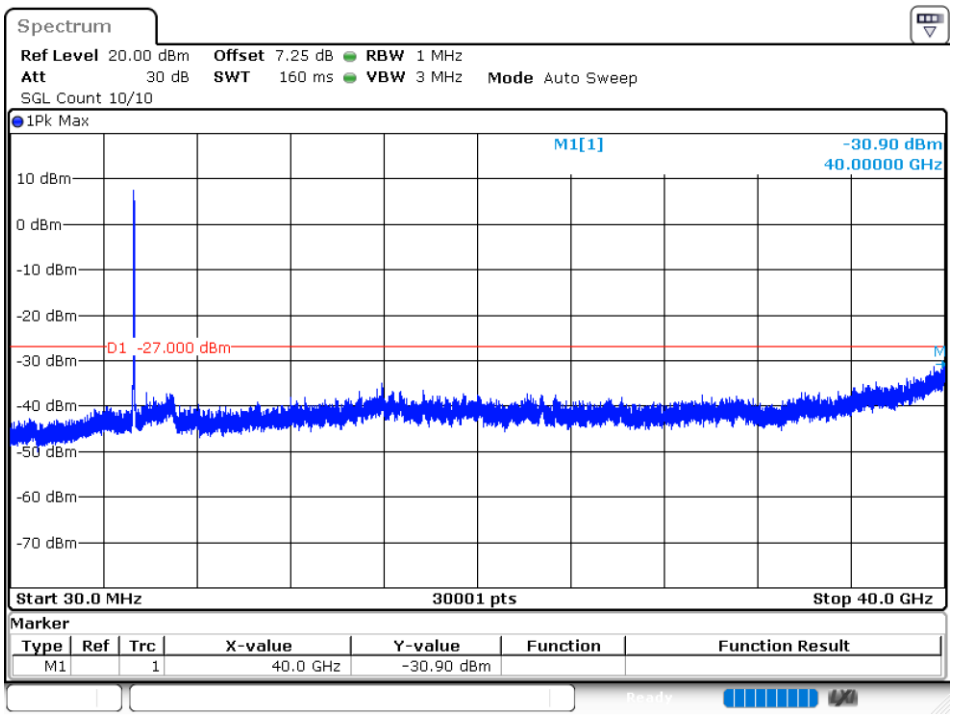
Tx. Spurious NVNT n20 5320MHz Ant2 Emission



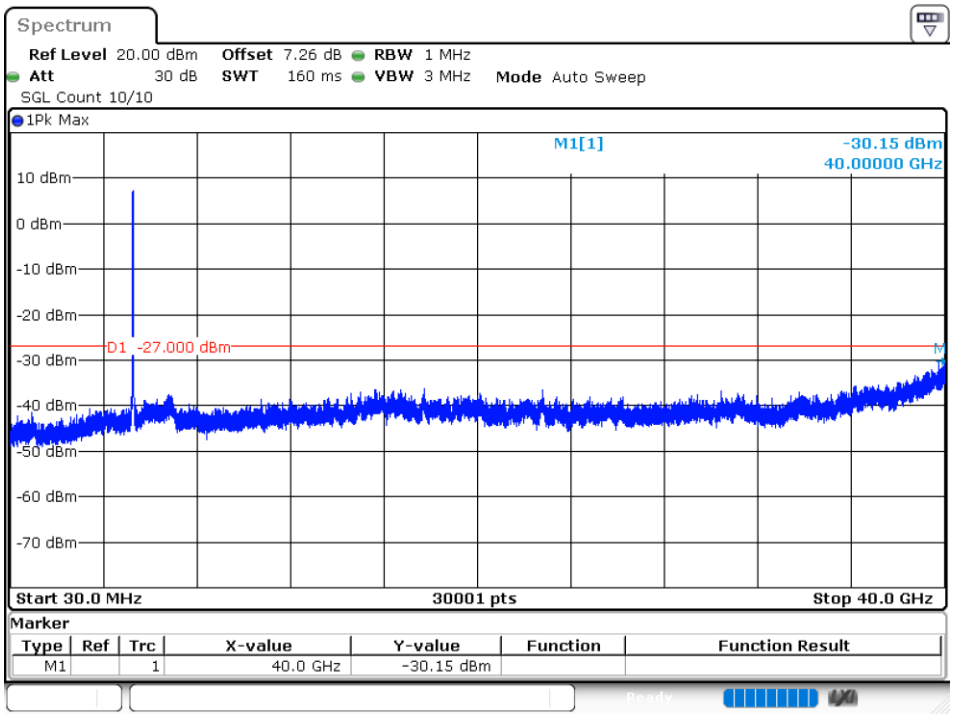
Tx. Spurious NVNT n40 5270MHz Ant1 Emission



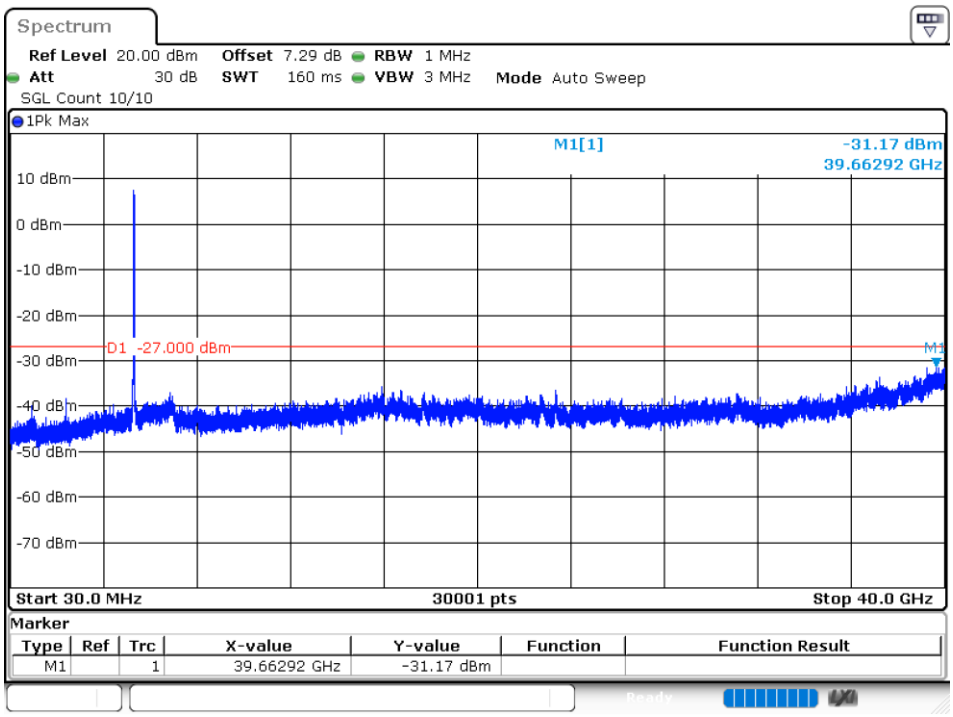
Tx. Spurious NVNT n40 5310MHz Ant1 Emission



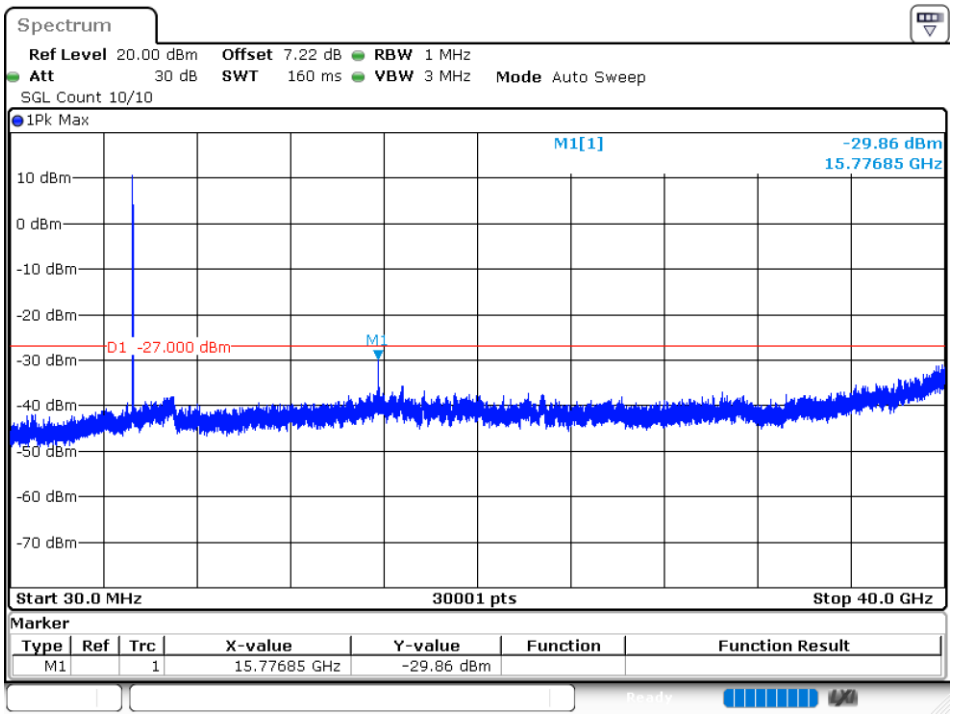
Tx. Spurious NVNT n40 5270MHz Ant2 Emission



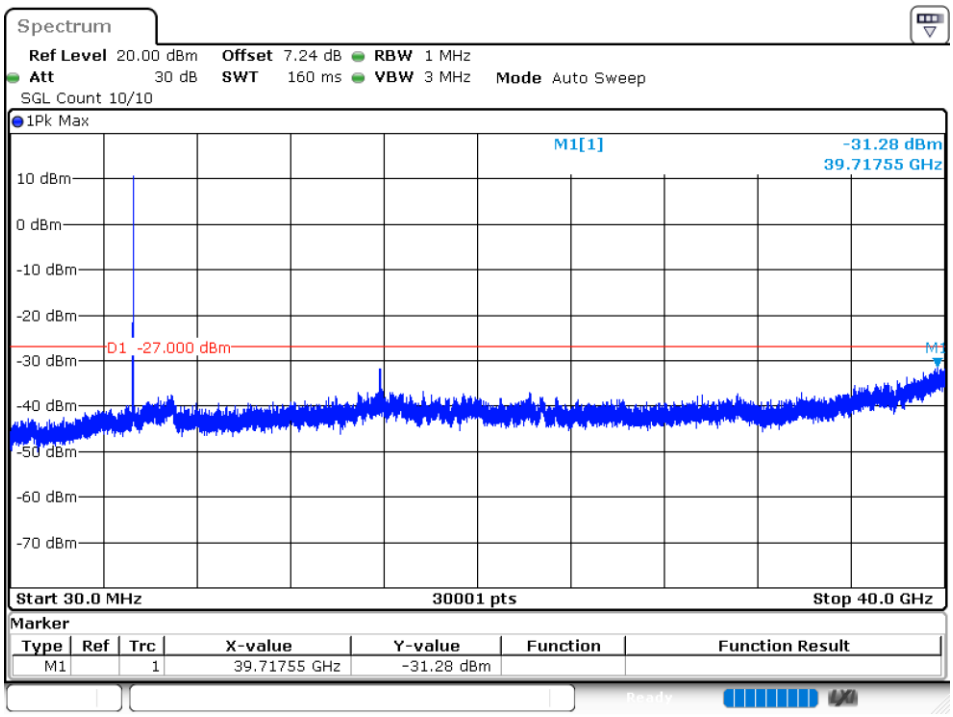
Tx. Spurious NVNT n40 5310MHz Ant2 Emission



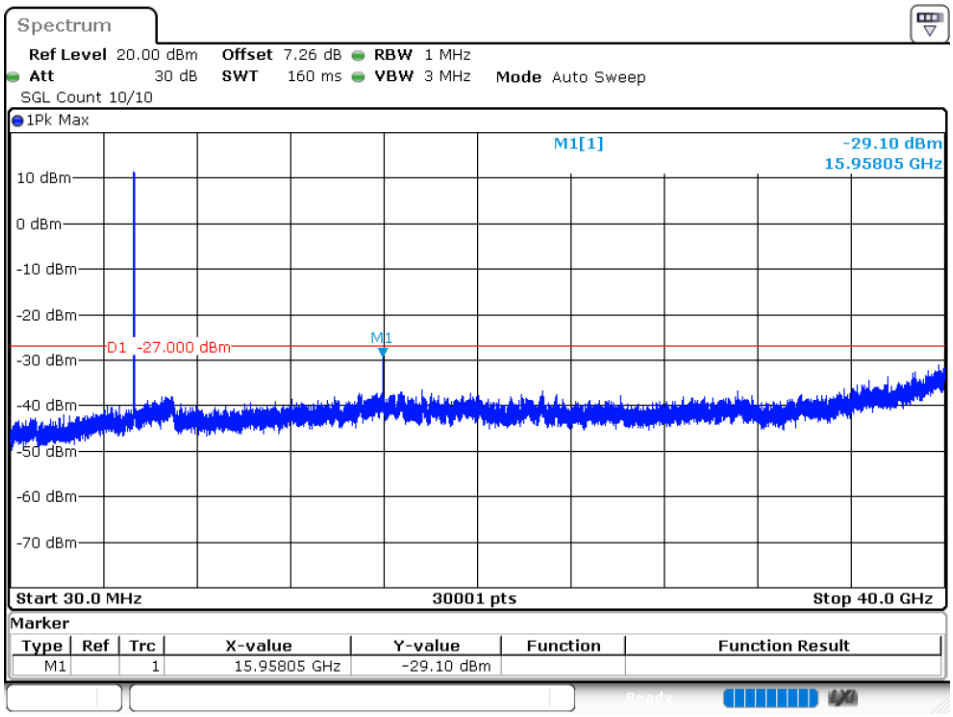
Tx. Spurious NVNT ac20 5260MHz Ant1 Emission



Tx. Spurious NVNT ac20 5280MHz Ant1 Emission



Tx. Spurious NVNT ac20 5320MHz Ant1 Emission



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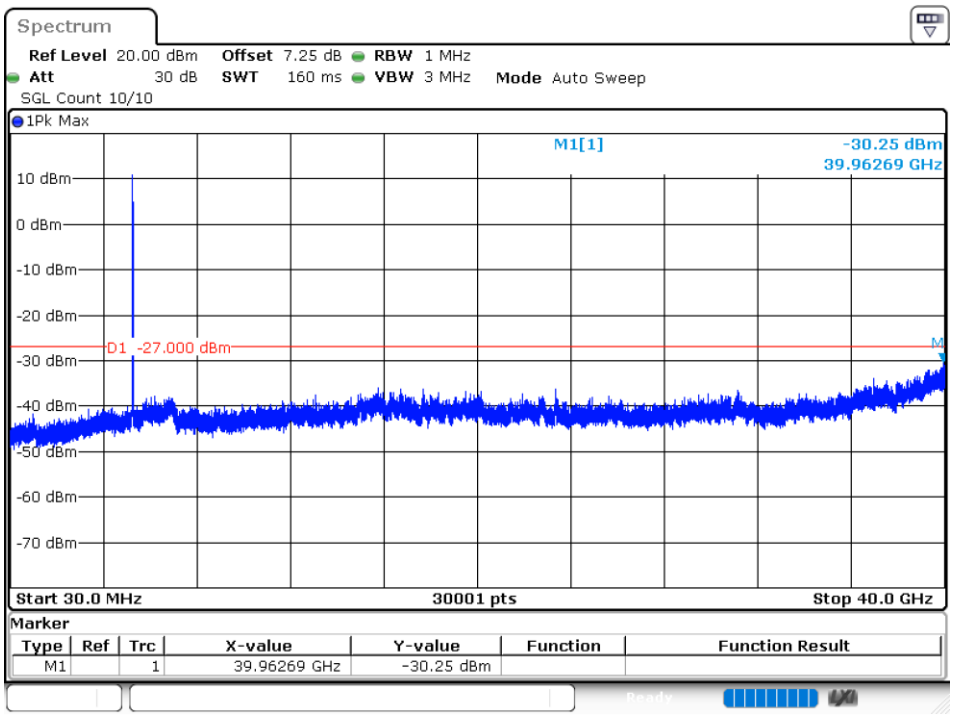
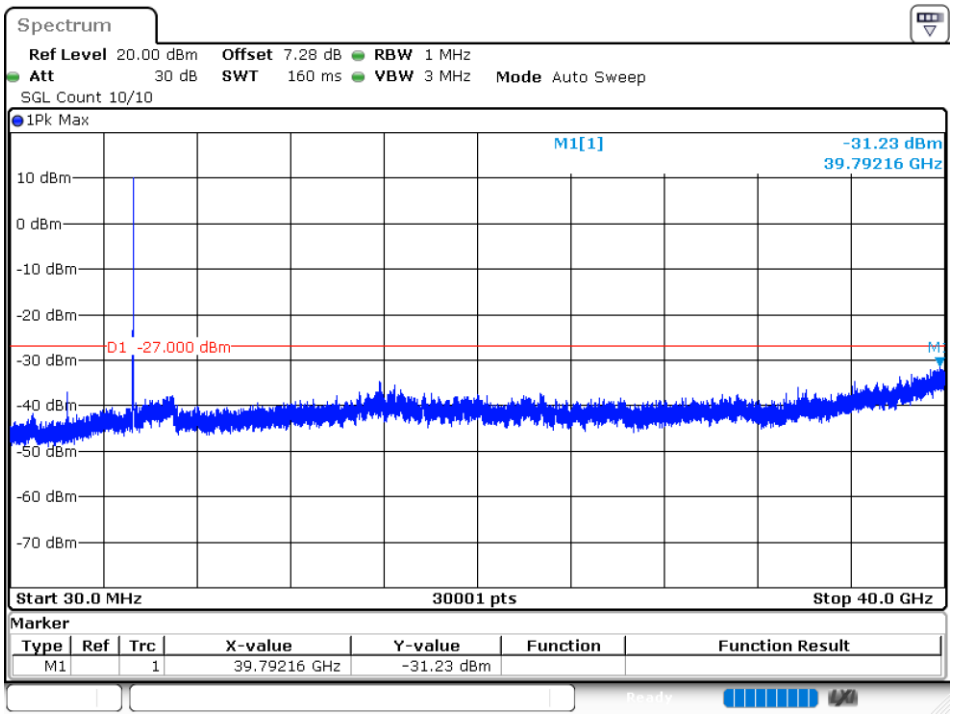
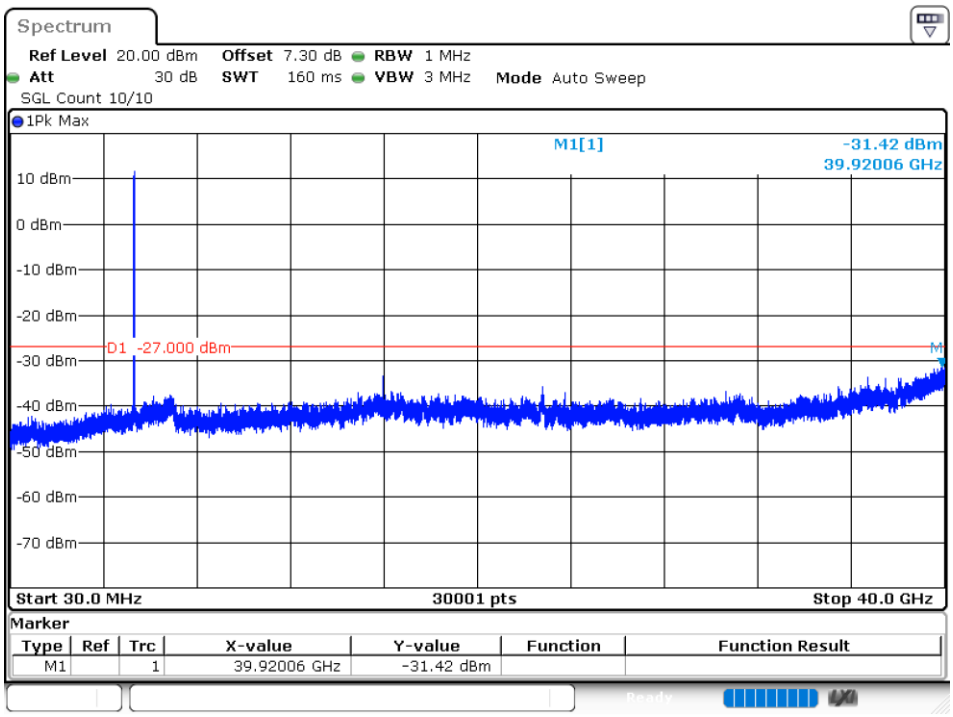


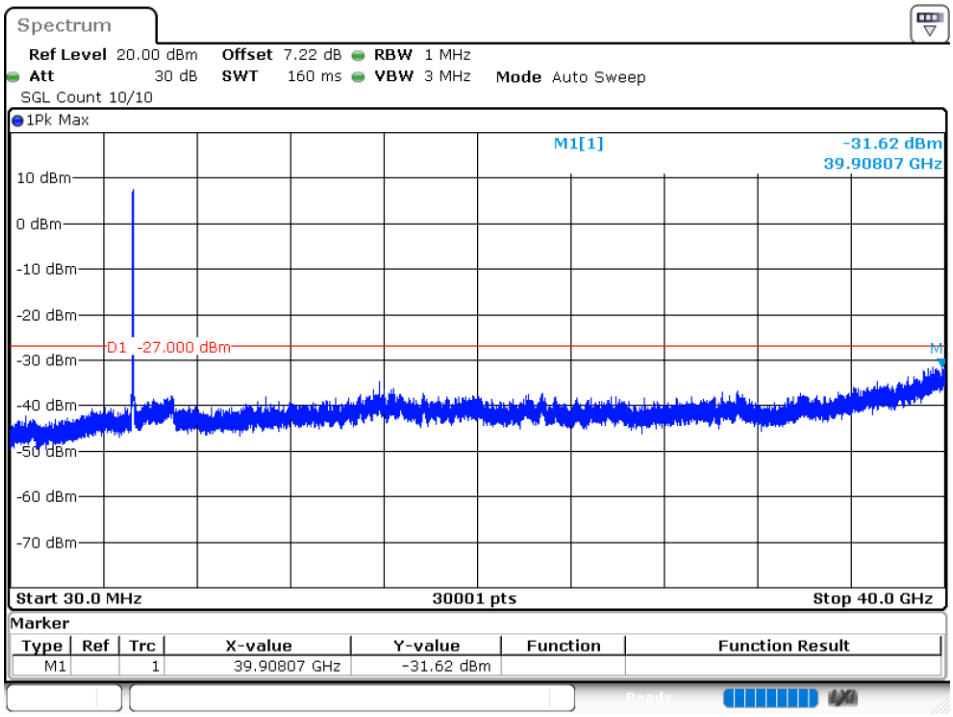
Tx. Spurious NVNT ac20 5280MHz Ant2 Emission



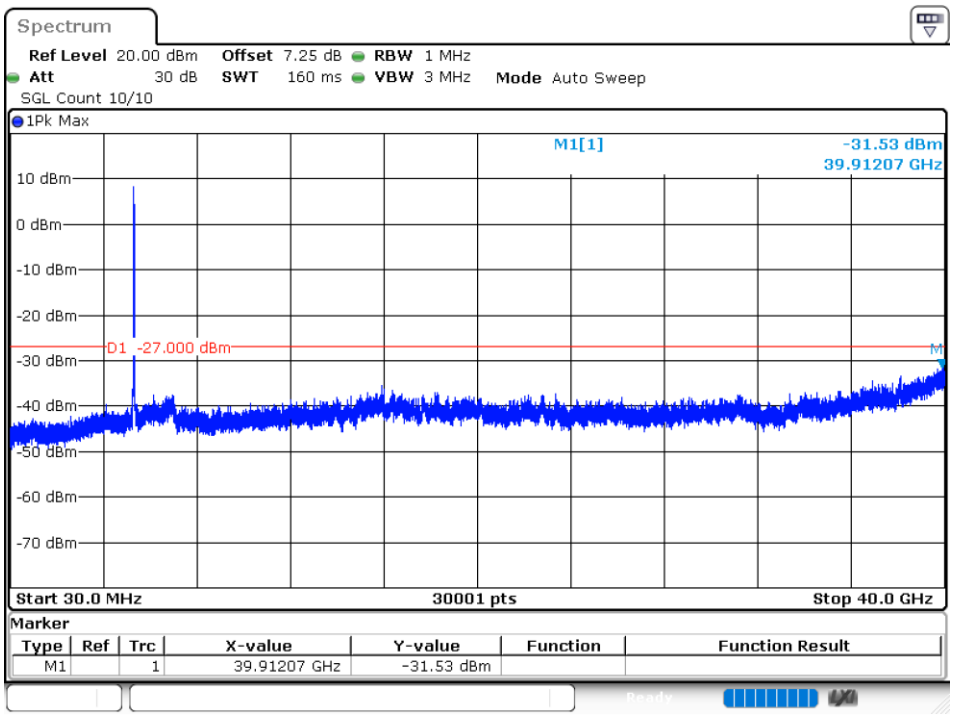
Tx. Spurious NVNT ac20 5320MHz Ant2 Emission



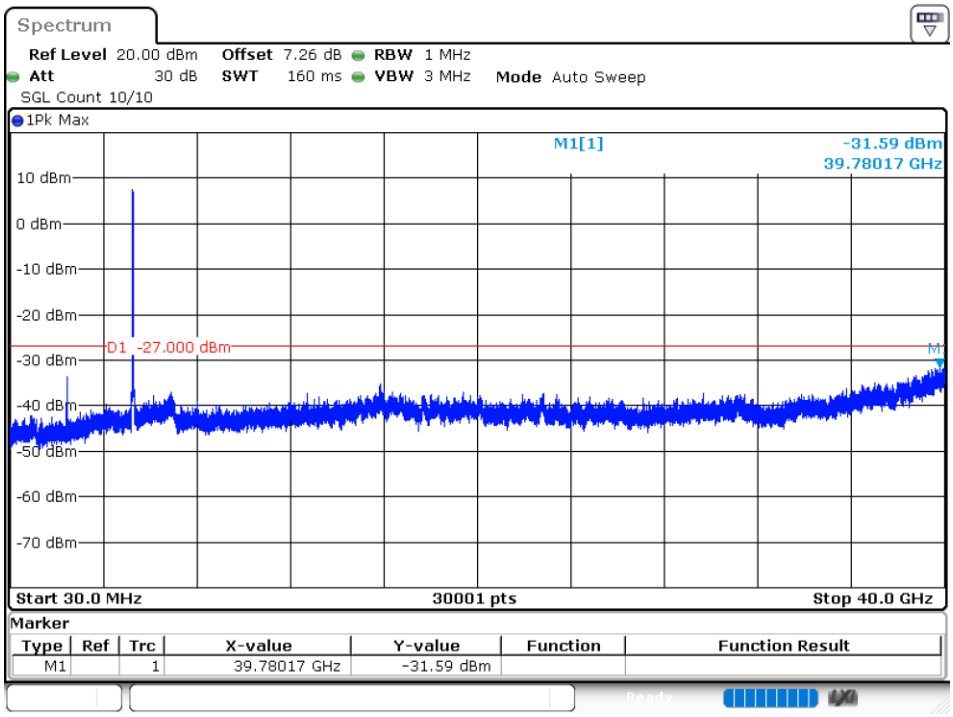
Tx. Spurious NVNT ac40 5270MHz Ant1 Emission



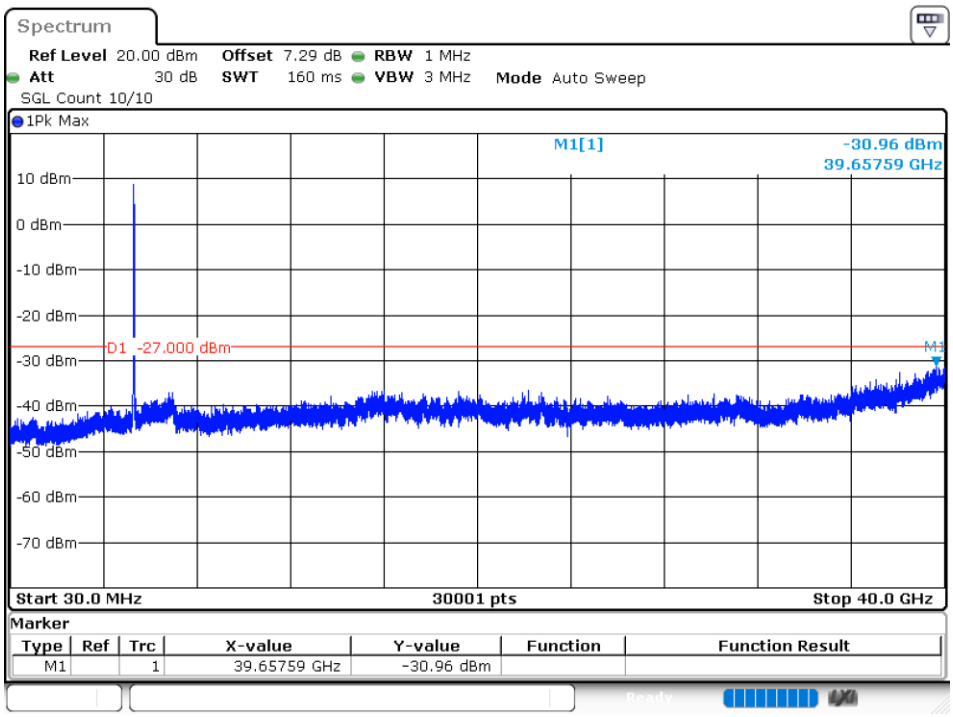
Tx. Spurious NVNT ac40 5310MHz Ant1 Emission



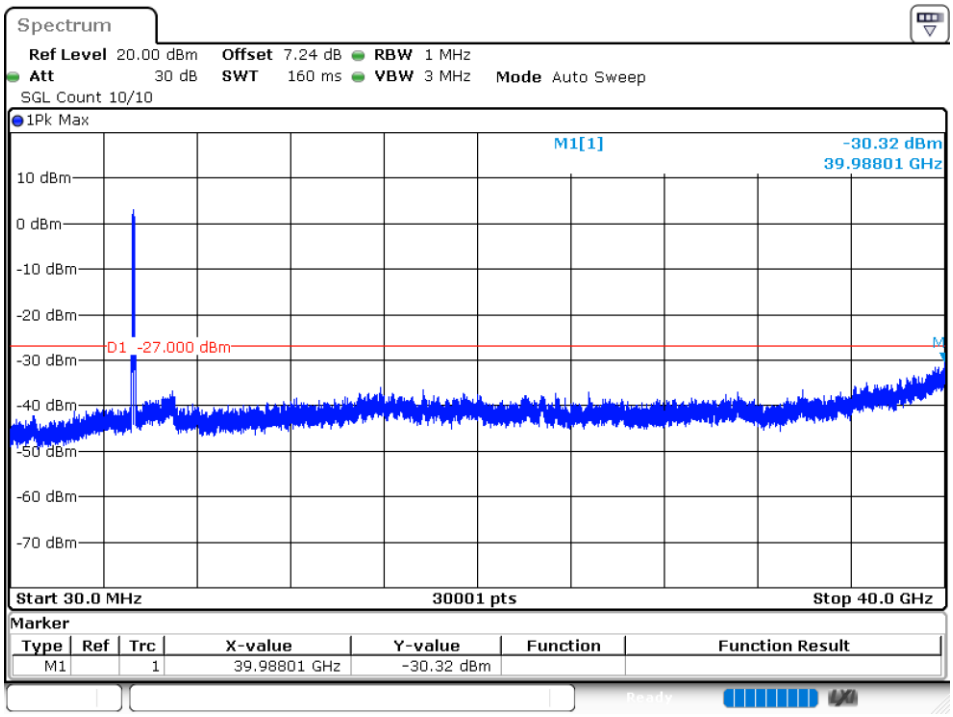
Tx. Spurious NVNT ac40 5270MHz Ant2 Emission



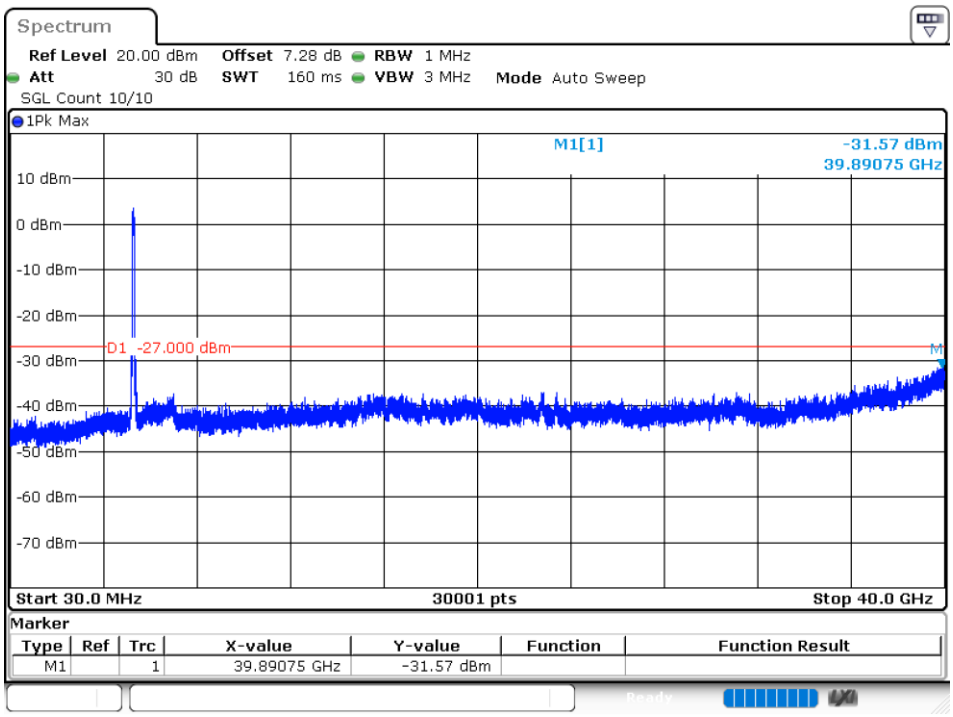
Tx. Spurious NVNT ac40 5310MHz Ant2 Emission



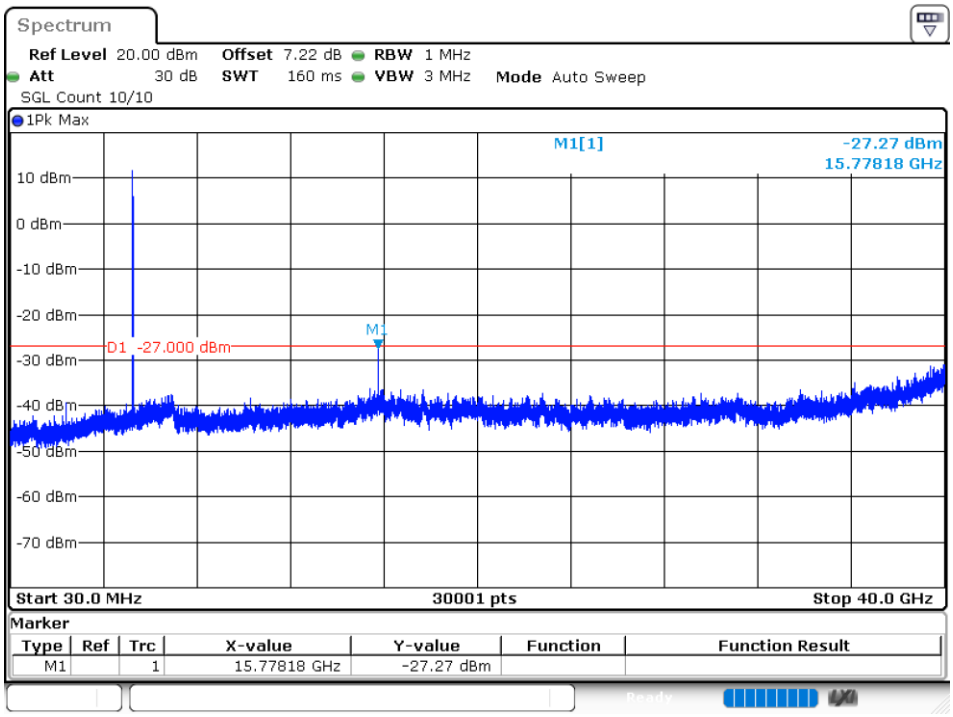
Tx. Spurious NVNT ac80 5290MHz Ant1 Emission



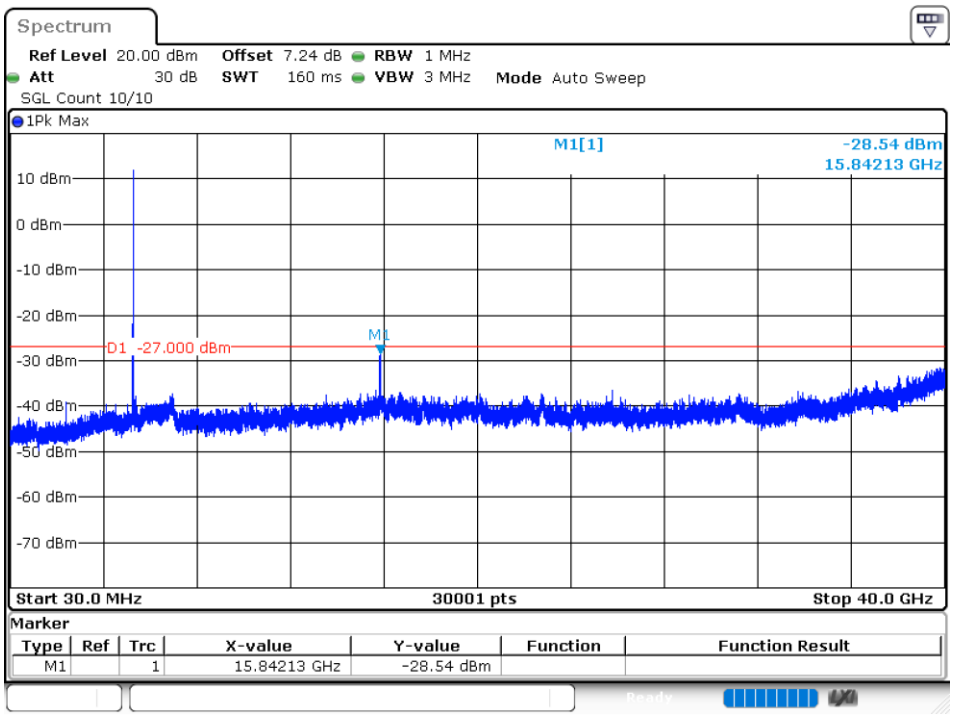
Tx. Spurious NVNT ac80 5290MHz Ant2 Emission



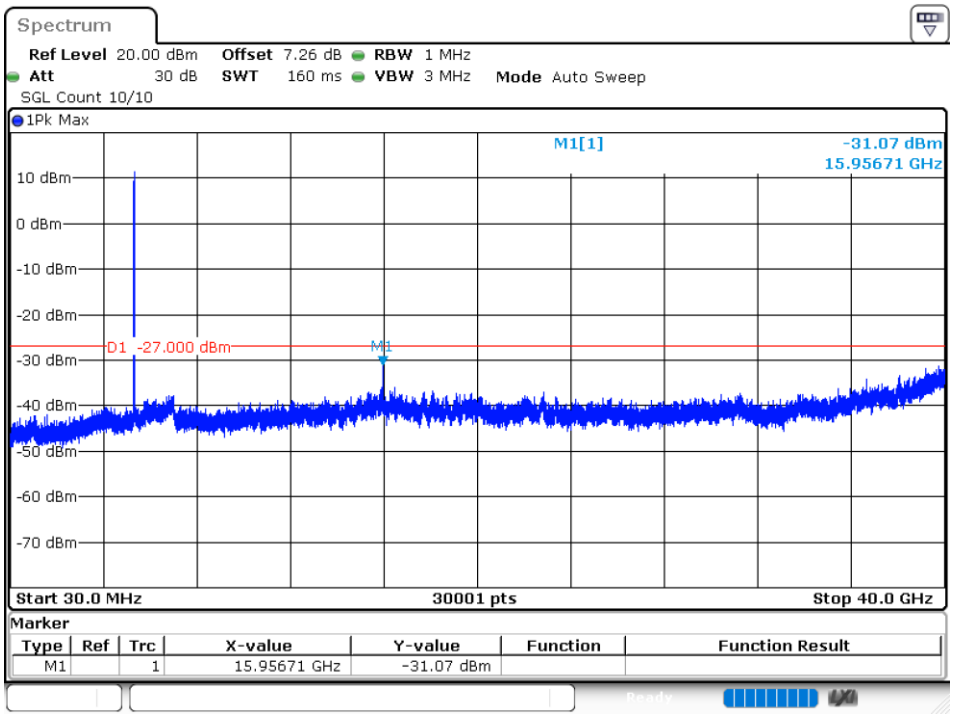
Tx. Spurious NVNT ax20 5260MHz Ant1 Emission



Tx. Spurious NVNT ax20 5280MHz Ant1 Emission



Tx. Spurious NVNT ax20 5320MHz Ant1 Emission



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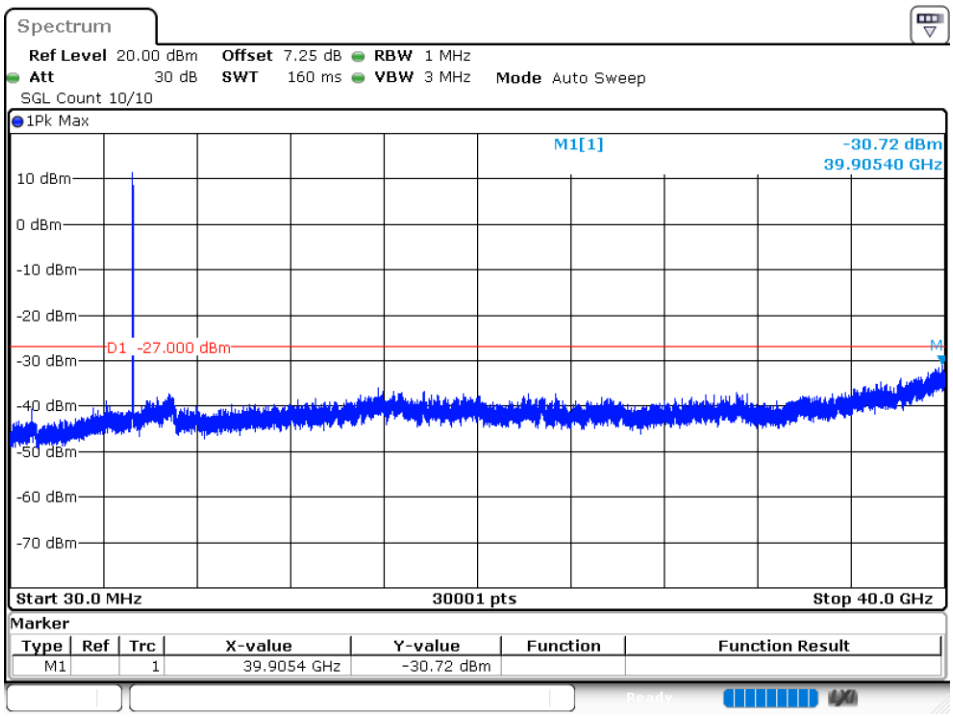
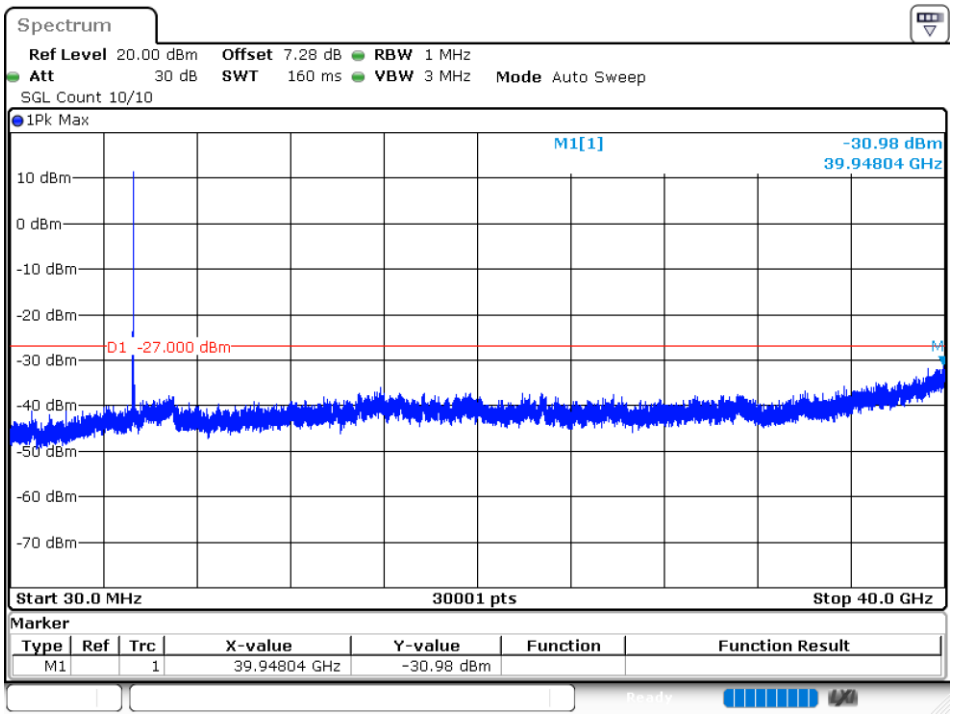


Tx. Spurious NVNT ax20 5280MHz Ant2 Emission



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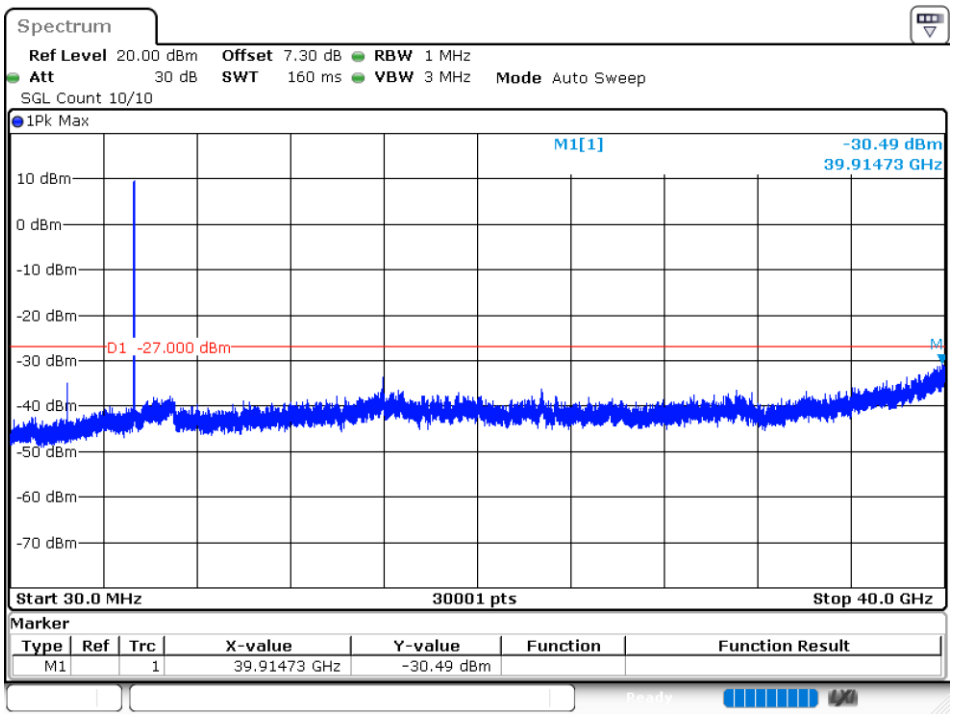

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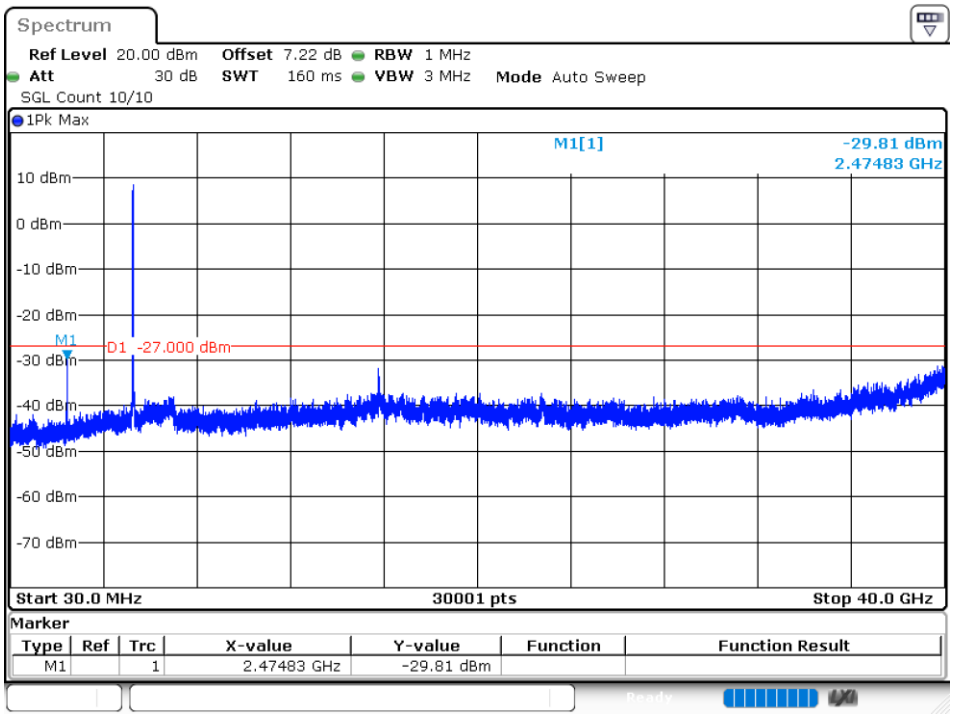
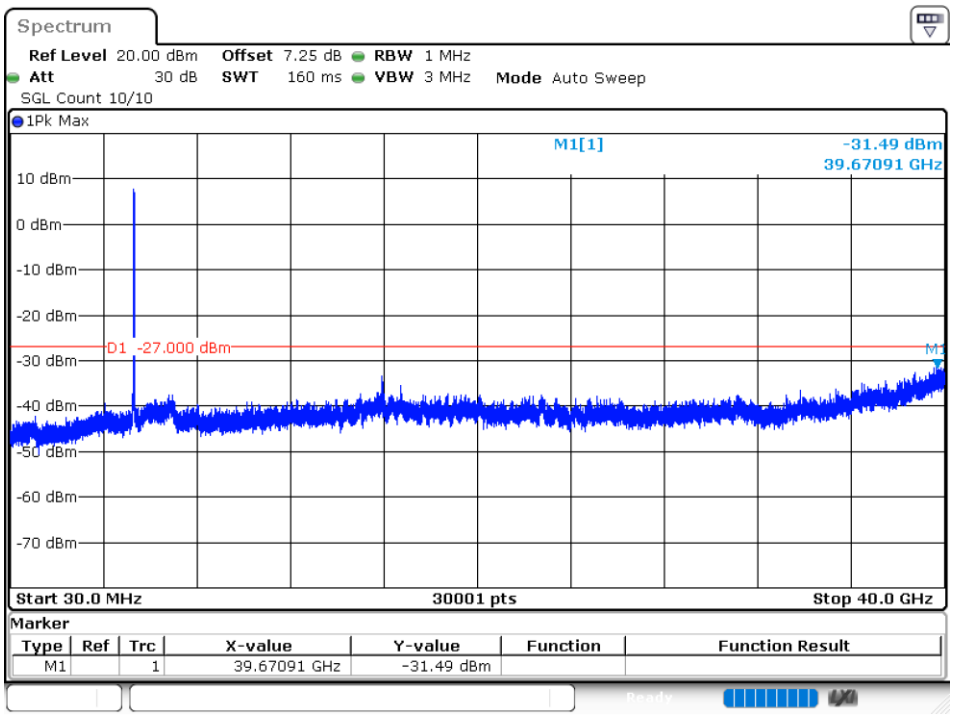


Tx. Spurious NVNT ax40 5310MHz Ant1 Emission



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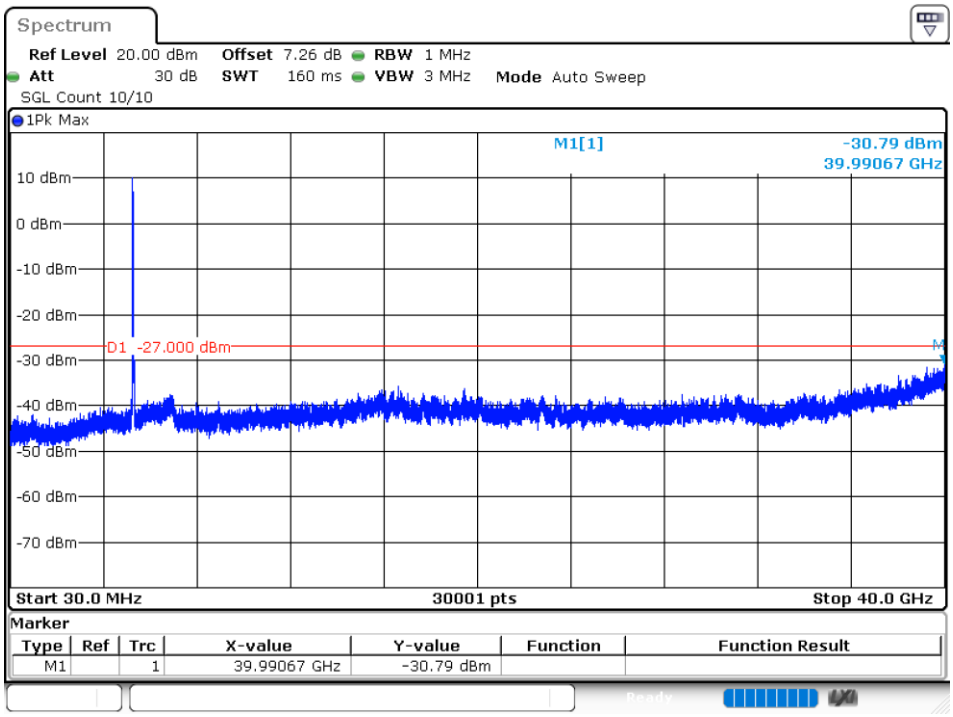
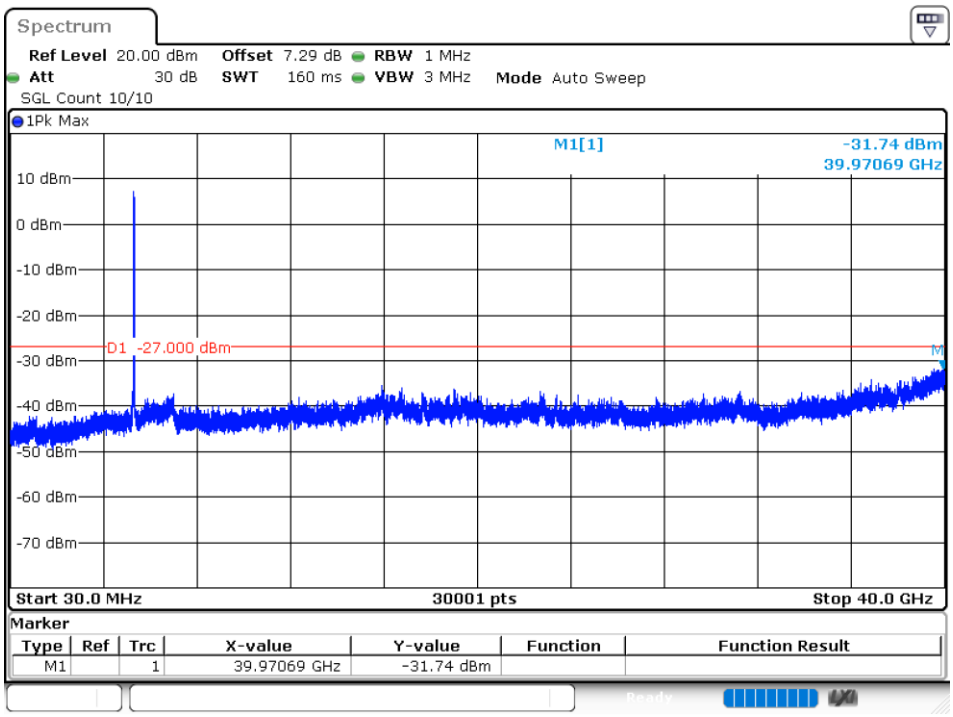


Tx. Spurious NVNT ax40 5310MHz Ant2 Emission



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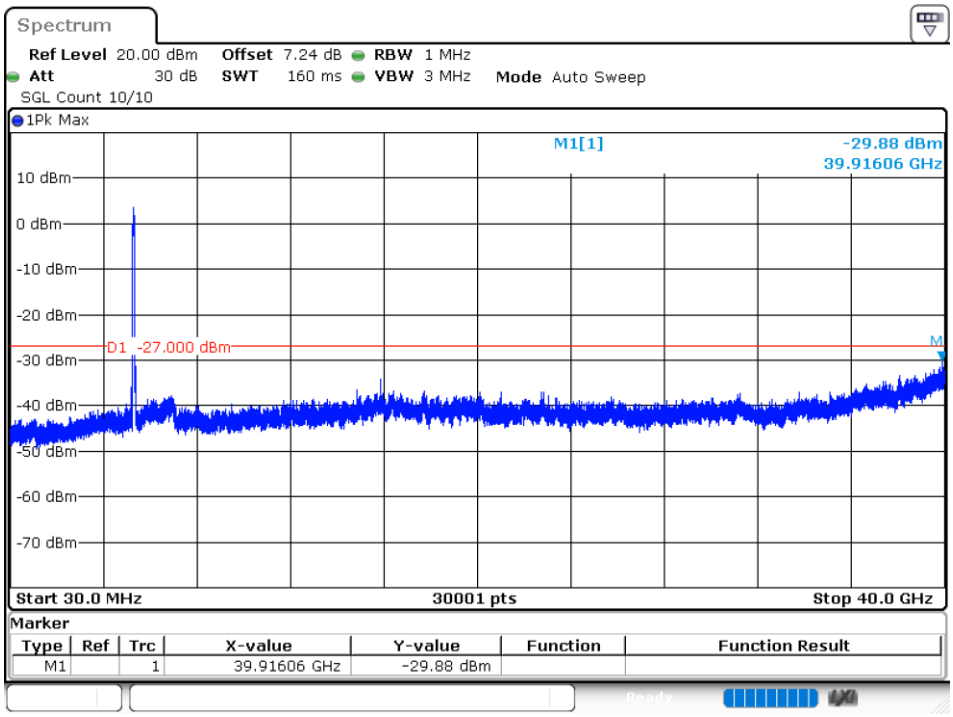
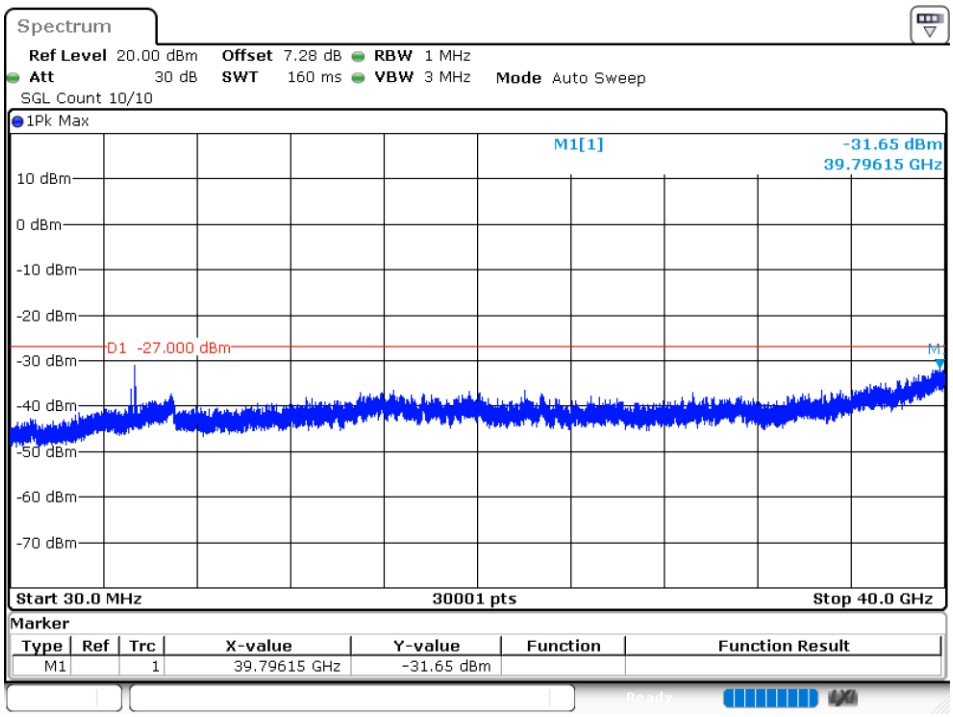


Tx. Spurious NVNT ax80 5290MHz Ant2 Emission



WIFI 5.3G MIMO

Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5260	Ant1	12.66	24	Pass
NVNT	ac20	5260	Ant2	12.59	24	Pass
NVNT	ac20	5260	Sum	15.64	24	Pass
NVNT	ac20	5280	Ant1	12.78	24	Pass
NVNT	ac20	5280	Ant2	12.7	24	Pass
NVNT	ac20	5280	Sum	15.75	24	Pass
NVNT	ac20	5320	Ant1	12.97	24	Pass
NVNT	ac20	5320	Ant2	12.58	24	Pass
NVNT	ac20	5320	Sum	15.79	24	Pass
NVNT	ac40	5270	Ant1	11.9	24	Pass
NVNT	ac40	5270	Ant2	11.79	24	Pass
NVNT	ac40	5270	Sum	14.86	24	Pass
NVNT	ac40	5310	Ant1	11.93	24	Pass
NVNT	ac40	5310	Ant2	11.67	24	Pass
NVNT	ac40	5310	Sum	14.81	24	Pass
NVNT	ac80	5290	Ant1	10.59	24	Pass
NVNT	ac80	5290	Ant2	10.47	24	Pass
NVNT	ac80	5290	Sum	13.54	24	Pass
NVNT	ax20	5260	Ant1	12.74	24	Pass
NVNT	ax20	5260	Ant2	12.96	24	Pass
NVNT	ax20	5260	Sum	15.86	24	Pass
NVNT	ax20	5280	Ant1	12.98	24	Pass
NVNT	ax20	5280	Ant2	12.96	24	Pass
NVNT	ax20	5280	Sum	15.98	24	Pass
NVNT	ax20	5320	Ant1	13.06	24	Pass
NVNT	ax20	5320	Ant2	12.85	24	Pass
NVNT	ax20	5320	Sum	15.97	24	Pass
NVNT	ax40	5270	Ant1	12.16	24	Pass
NVNT	ax40	5270	Ant2	12	24	Pass
NVNT	ax40	5270	Sum	15.09	24	Pass
NVNT	ax40	5310	Ant1	12.13	24	Pass
NVNT	ax40	5310	Ant2	11.93	24	Pass
NVNT	ax40	5310	Sum	15.04	24	Pass
NVNT	ax80	5290	Ant1	10.92	24	Pass
NVNT	ax80	5290	Ant2	10.77	24	Pass
NVNT	ax80	5290	Sum	13.86	24	Pass

NVNT	n20	5260	Ant1	12.6	24	Pass
NVNT	n20	5260	Ant2	12.89	24	Pass
NVNT	n20	5260	Sum	15.76	24	Pass
NVNT	n20	5280	Ant1	12.49	24	Pass
NVNT	n20	5280	Ant2	12.71	24	Pass
NVNT	n20	5280	Sum	15.61	24	Pass
NVNT	n20	5320	Ant1	12.84	24	Pass
NVNT	n20	5320	Ant2	12.98	24	Pass
NVNT	n20	5320	Sum	15.92	24	Pass
NVNT	n40	5270	Ant1	11.96	24	Pass
NVNT	n40	5270	Ant2	11.8	24	Pass
NVNT	n40	5270	Sum	14.89	24	Pass
NVNT	n40	5310	Ant1	12.1	24	Pass
NVNT	n40	5310	Ant2	11.71	24	Pass
NVNT	n40	5310	Sum	14.92	24	Pass

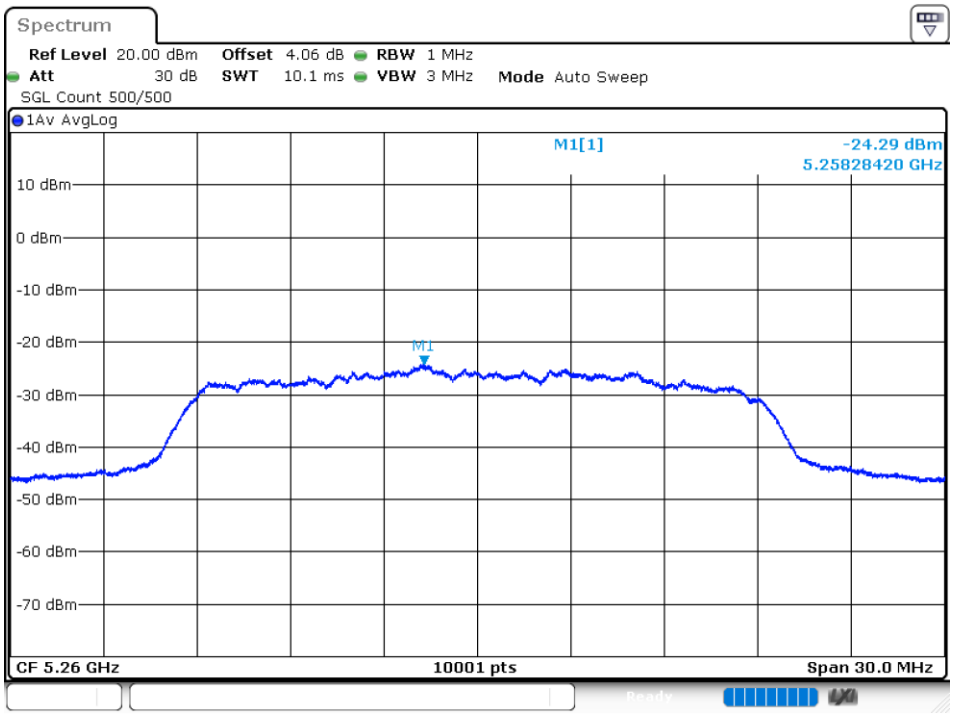
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5260	Ant1	-24.29	2.61	-21.68	11	Pass
NVNT	ac20	5260	Ant2	-25.11	2.61	-22.5	11	Pass
NVNT	ac20	5260	Sum	-21.67	2.61	-19.06	11	Pass
NVNT	ac20	5280	Ant1	-24.36	2.65	-21.71	11	Pass
NVNT	ac20	5280	Ant2	-24.92	2.65	-22.27	11	Pass
NVNT	ac20	5280	Sum	-21.62	2.65	-18.97	11	Pass
NVNT	ac20	5320	Ant1	-24.59	2.64	-21.95	11	Pass
NVNT	ac20	5320	Ant2	-24.29	2.64	-21.65	11	Pass
NVNT	ac20	5320	Sum	-21.43	2.64	-18.79	11	Pass
NVNT	ac40	5270	Ant1	-34.3	4.23	-30.07	11	Pass
NVNT	ac40	5270	Ant2	-34.81	4.23	-30.58	11	Pass
NVNT	ac40	5270	Sum	-31.54	4.23	-27.31	11	Pass
NVNT	ac40	5310	Ant1	-32.43	4.23	-28.2	11	Pass
NVNT	ac40	5310	Ant2	-32.3	4.23	-28.07	11	Pass
NVNT	ac40	5310	Sum	-29.35	4.23	-25.12	11	Pass
NVNT	ac80	5290	Ant1	-42.55	6.38	-36.17	11	Pass
NVNT	ac80	5290	Ant2	-42.82	6.38	-36.44	11	Pass
NVNT	ac80	5290	Sum	-39.67	6.38	-33.29	11	Pass
NVNT	ax20	5260	Ant1	-26.72	3.12	-23.6	11	Pass
NVNT	ax20	5260	Ant2	-23.4	3.12	-20.28	11	Pass
NVNT	ax20	5260	Sum	-21.74	3.12	-18.62	11	Pass
NVNT	ax20	5280	Ant1	-27.5	3.09	-24.41	11	Pass
NVNT	ax20	5280	Ant2	-28.37	3.09	-25.28	11	Pass
NVNT	ax20	5280	Sum	-24.9	3.09	-21.81	11	Pass
NVNT	ax20	5320	Ant1	-25.37	1.04	-24.33	11	Pass
NVNT	ax20	5320	Ant2	-26.43	1.04	-25.39	11	Pass
NVNT	ax20	5320	Sum	-22.86	1.04	-21.82	11	Pass
NVNT	ax40	5270	Ant1	-38.26	4.7	-33.56	11	Pass
NVNT	ax40	5270	Ant2	-38.13	4.7	-33.43	11	Pass
NVNT	ax40	5270	Sum	-35.18	4.7	-30.48	11	Pass
NVNT	ax40	5310	Ant1	-38.14	0	-38.14	11	Pass
NVNT	ax40	5310	Ant2	-38.03	0	-38.03	11	Pass
NVNT	ax40	5310	Sum	-35.07	0	-35.07	11	Pass
NVNT	ax80	5290	Ant1	-41.74	6.86	-34.88	11	Pass
NVNT	ax80	5290	Ant2	-43.84	6.86	-36.98	11	Pass
NVNT	ax80	5290	Sum	-39.65	6.86	-32.79	11	Pass
NVNT	n20	5260	Ant1	-24.7	2.67	-22.03	11	Pass
NVNT	n20	5260	Ant2	-24.54	2.67	-21.87	11	Pass
NVNT	n20	5260	Sum	-21.61	2.67	-18.94	11	Pass
NVNT	n20	5280	Ant1	-22.81	2.63	-20.18	11	Pass
NVNT	n20	5280	Ant2	-22.89	2.63	-20.26	11	Pass

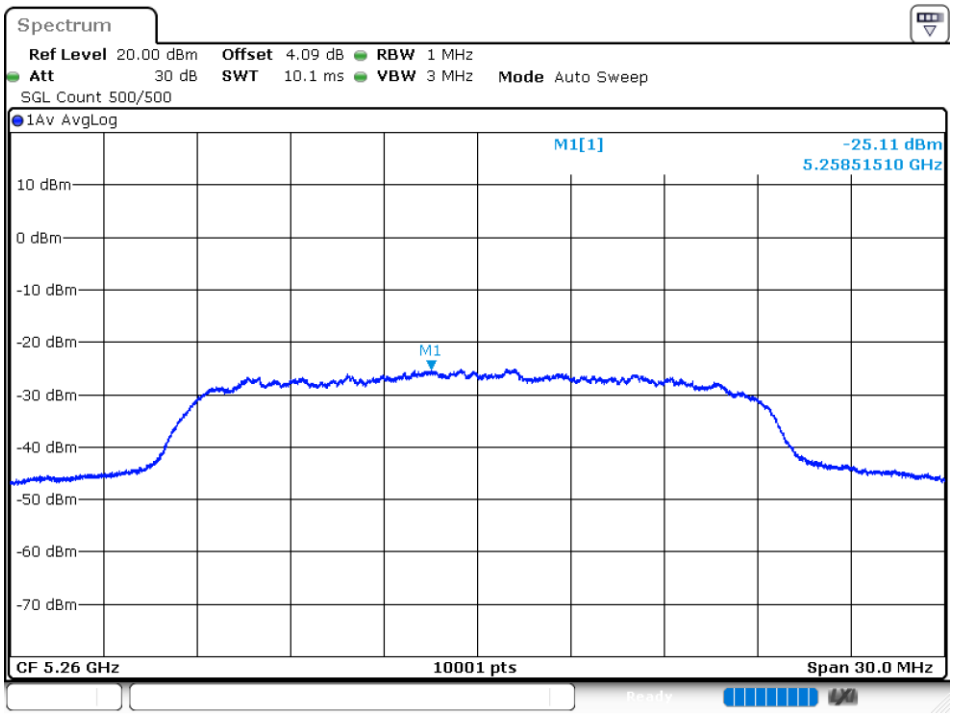
NVNT	n20	5280	Sum	-19.84	2.63	-17.21	11	Pass
NVNT	n20	5320	Ant1	-24.74	2.67	-22.07	11	Pass
NVNT	n20	5320	Ant2	-24.24	2.67	-21.57	11	Pass
NVNT	n20	5320	Sum	-21.47	2.67	-18.8	11	Pass
NVNT	n40	5270	Ant1	-34.85	4.28	-30.57	11	Pass
NVNT	n40	5270	Ant2	-34.92	4.28	-30.64	11	Pass
NVNT	n40	5270	Sum	-31.87	4.28	-27.59	11	Pass
NVNT	n40	5310	Ant1	-30.68	4.28	-26.4	11	Pass
NVNT	n40	5310	Ant2	-30.51	4.28	-26.23	11	Pass
NVNT	n40	5310	Sum	-27.58	4.28	-23.3	11	Pass

Test Graphs

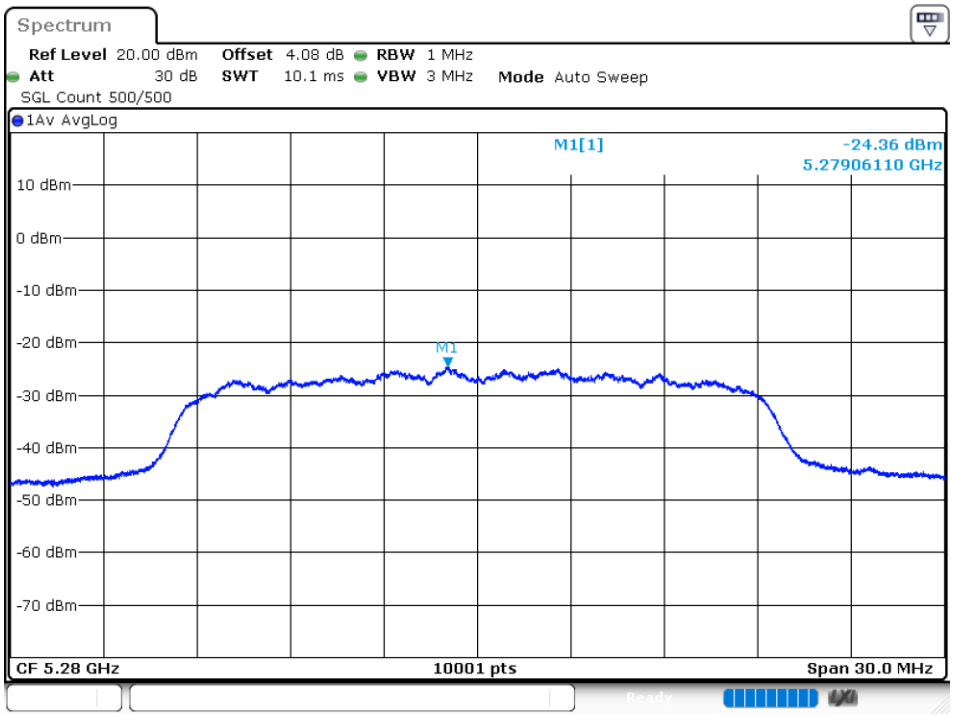
PSD NVNT ac20 5260MHz Ant1



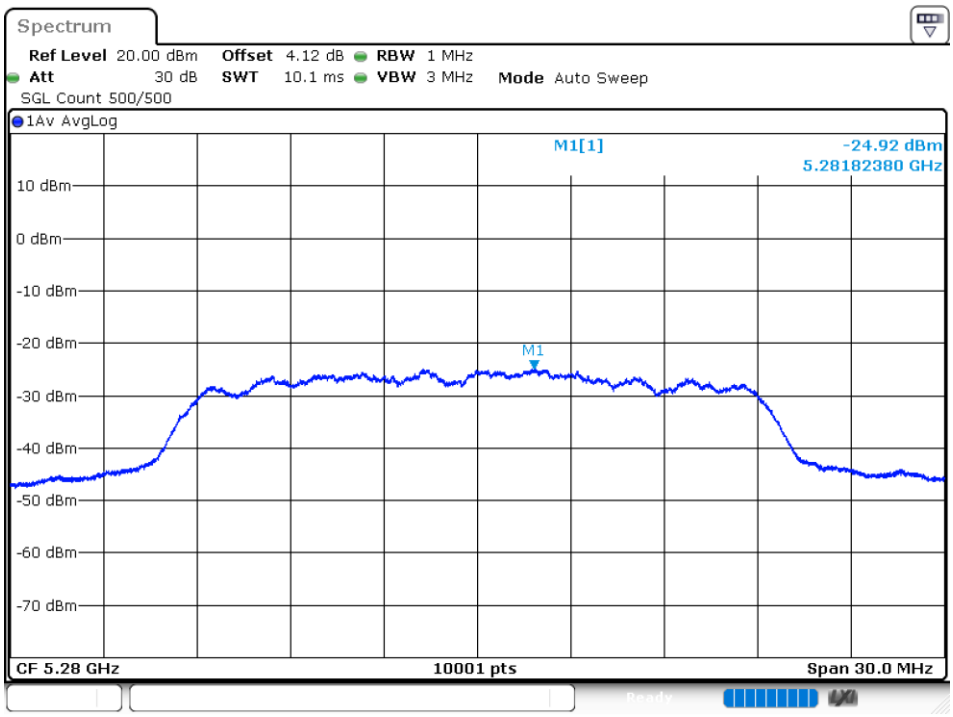
PSD NVNT ac20 5260MHz Ant2



PSD NVNT ac20 5280MHz Ant1



PSD NVNT ac20 5280MHz Ant2



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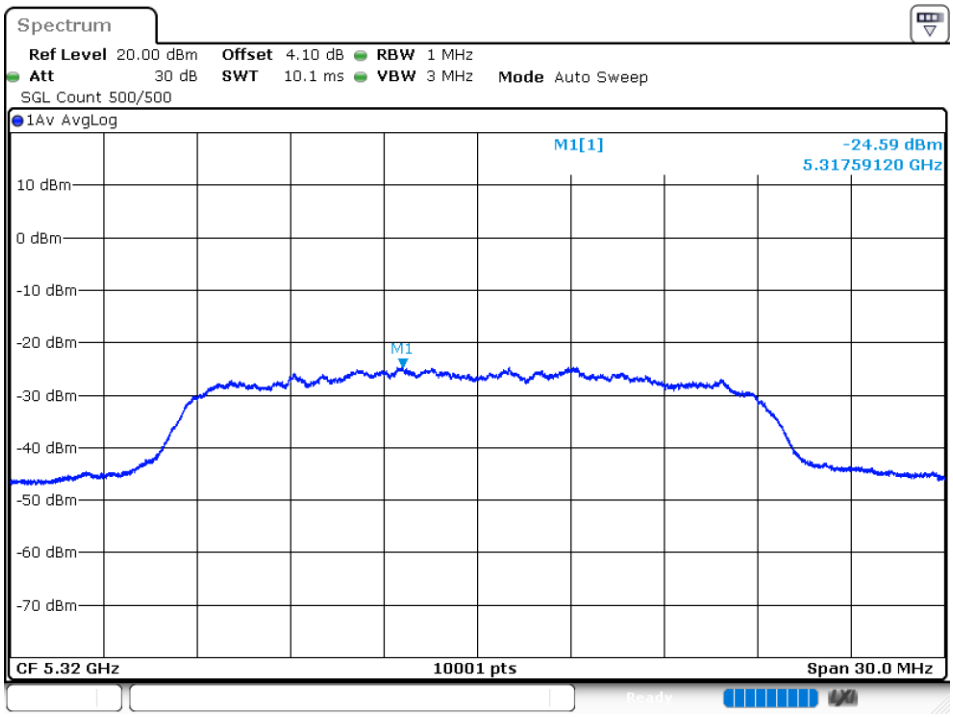

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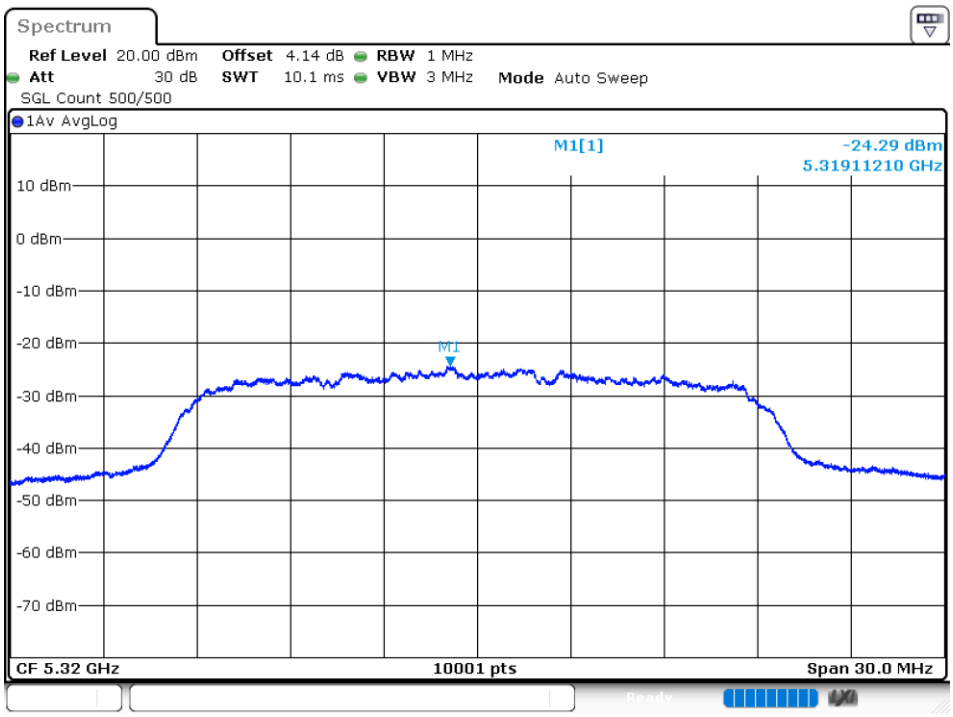
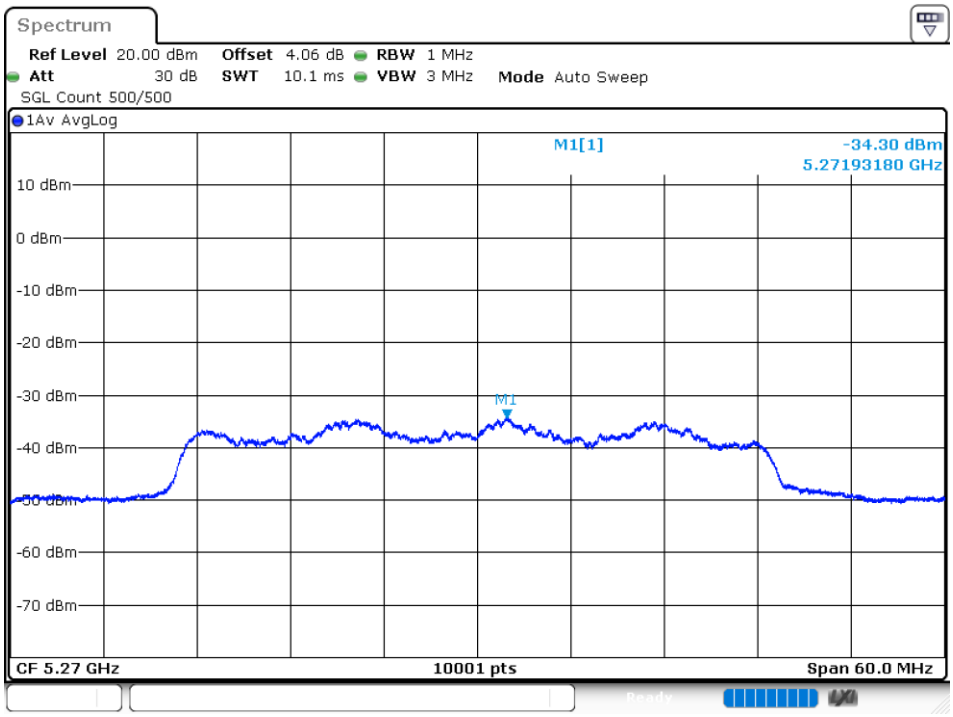
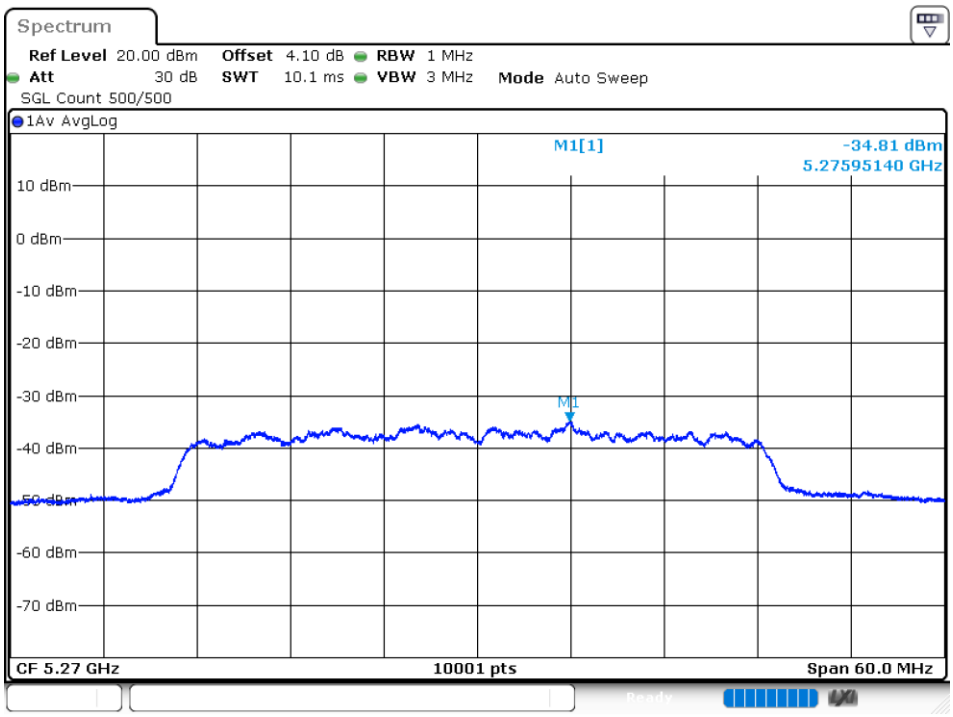


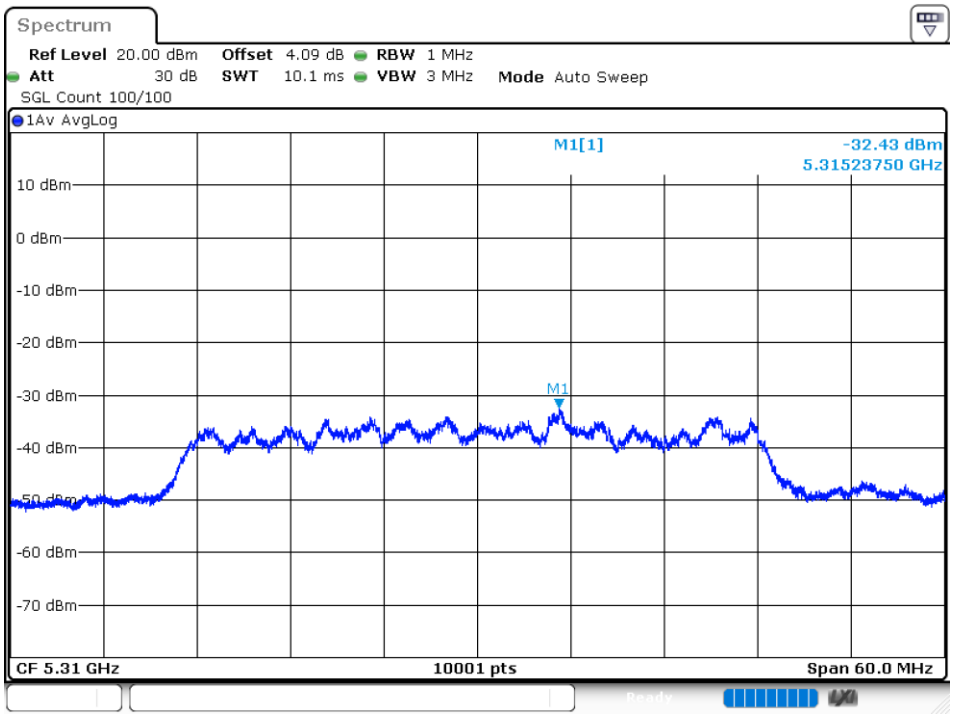
PSD NVNT ac40 5270MHz Ant1



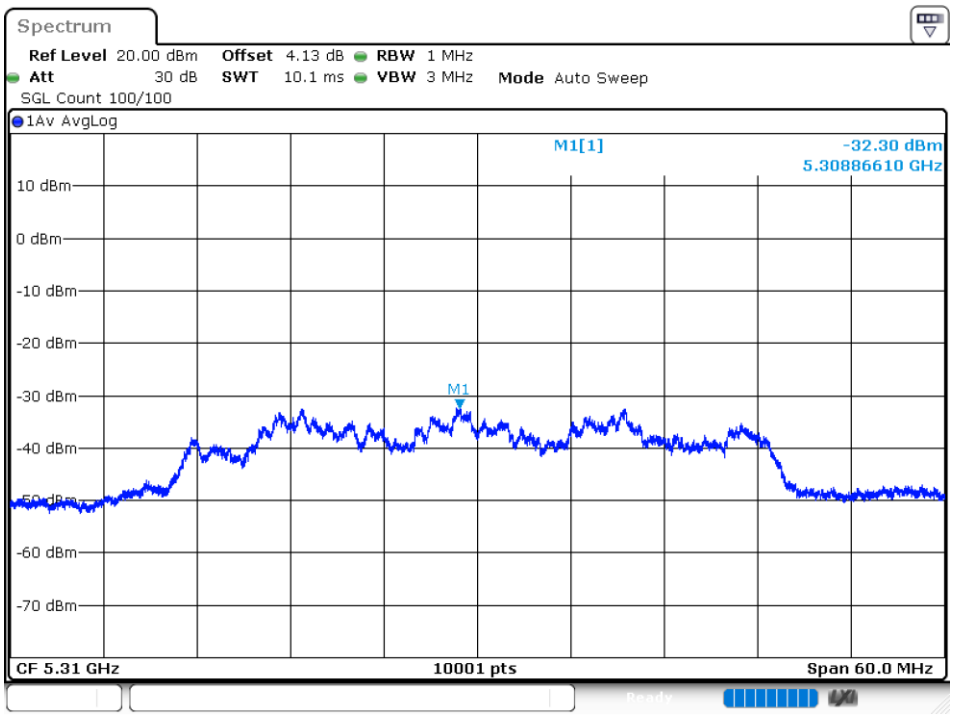
PSD NVNT ac40 5270MHz Ant2



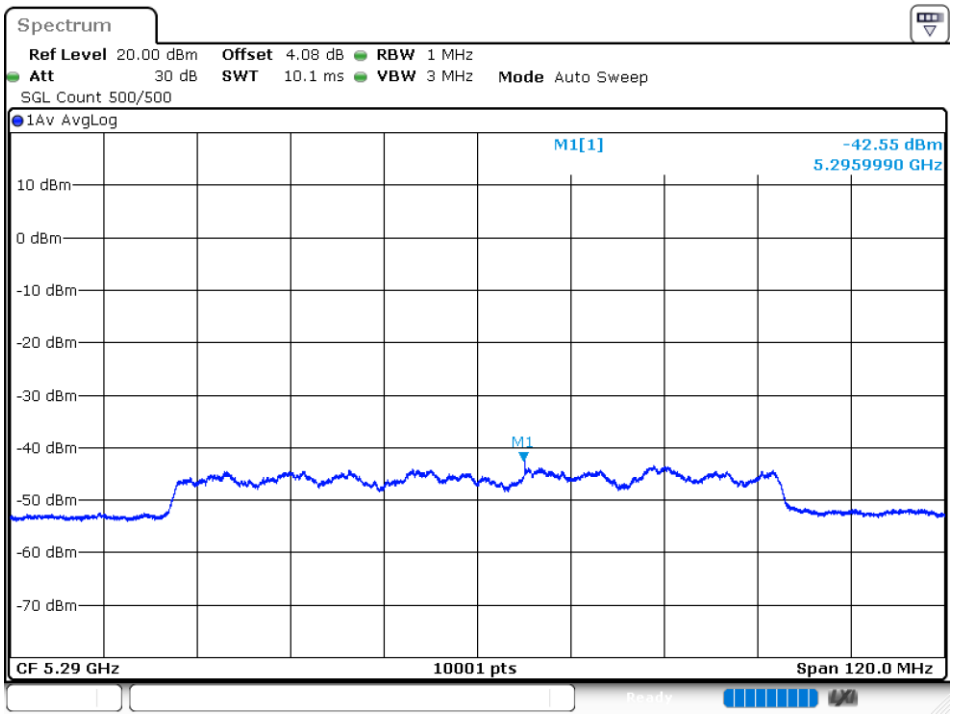
PSD NVNT ac40 5310MHz Ant1



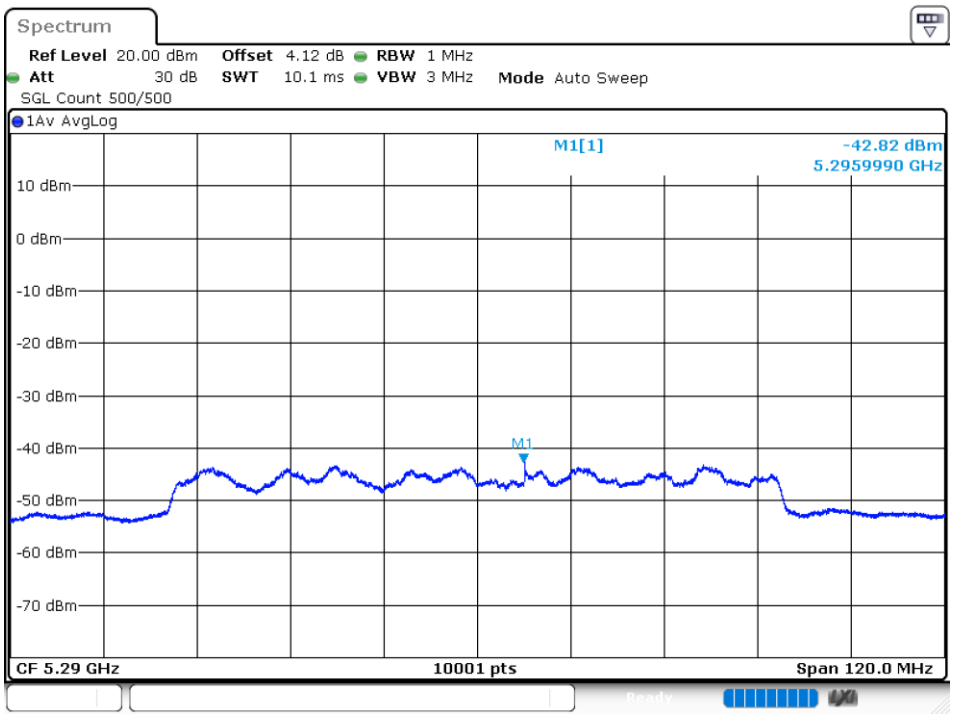
PSD NVNT ac40 5310MHz Ant2



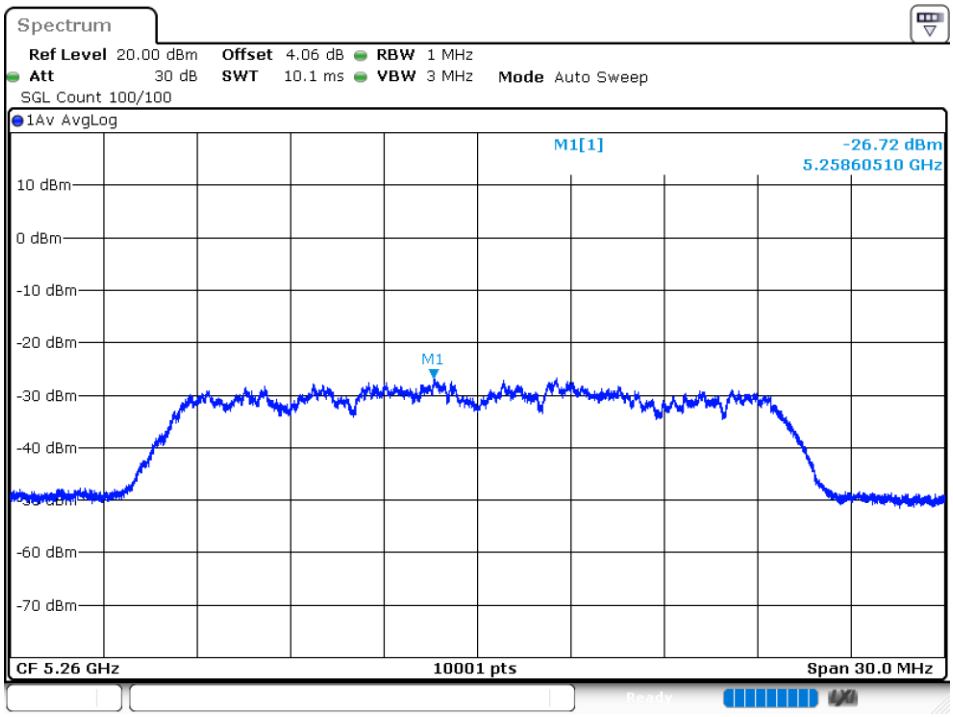
PSD NVNT ac80 5290MHz Ant1



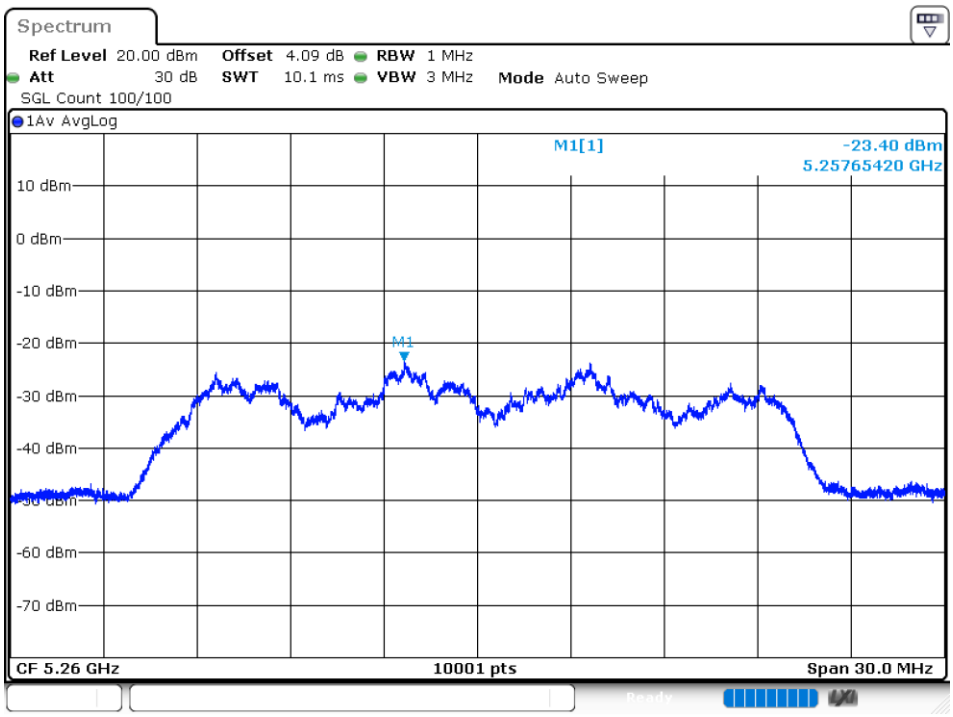
PSD NVNT ac80 5290MHz Ant2



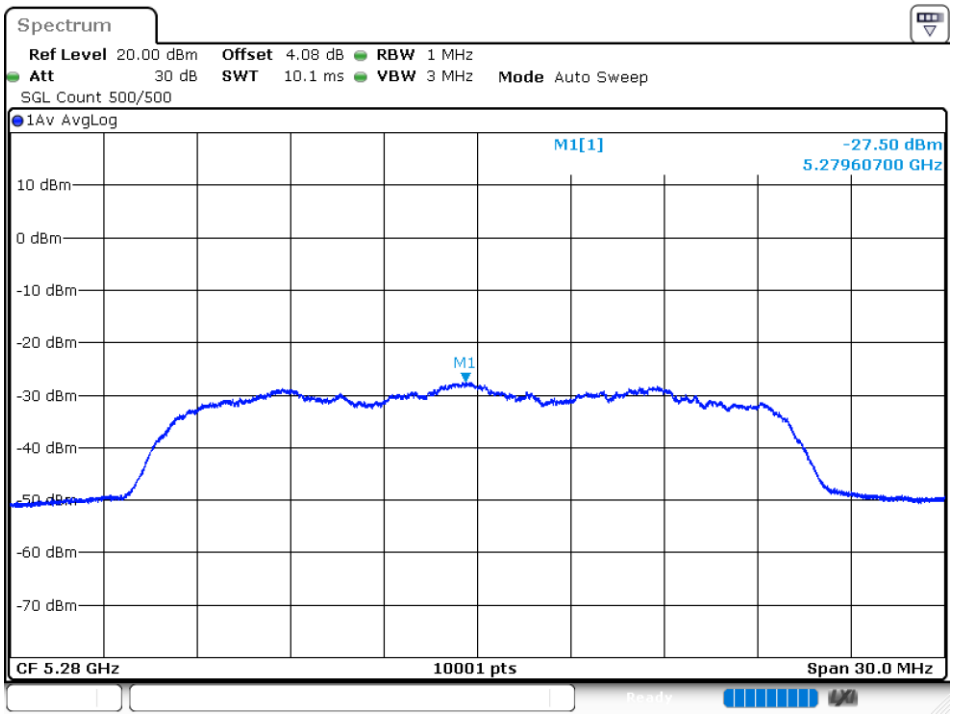
PSD NVNT ax20 5260MHz Ant1



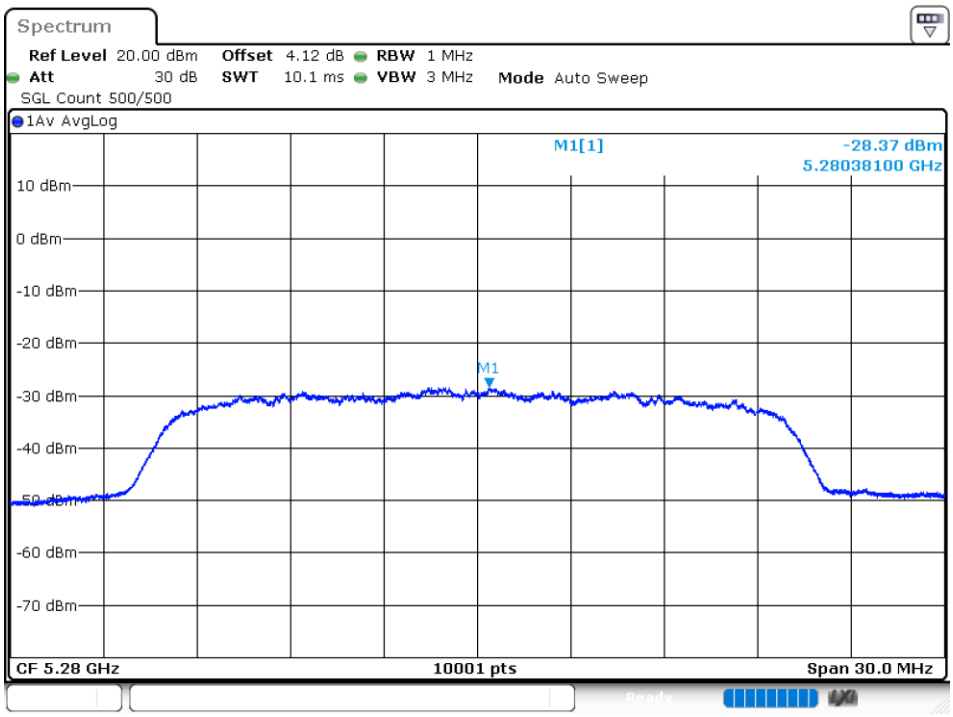
PSD NVNT ax20 5260MHz Ant2



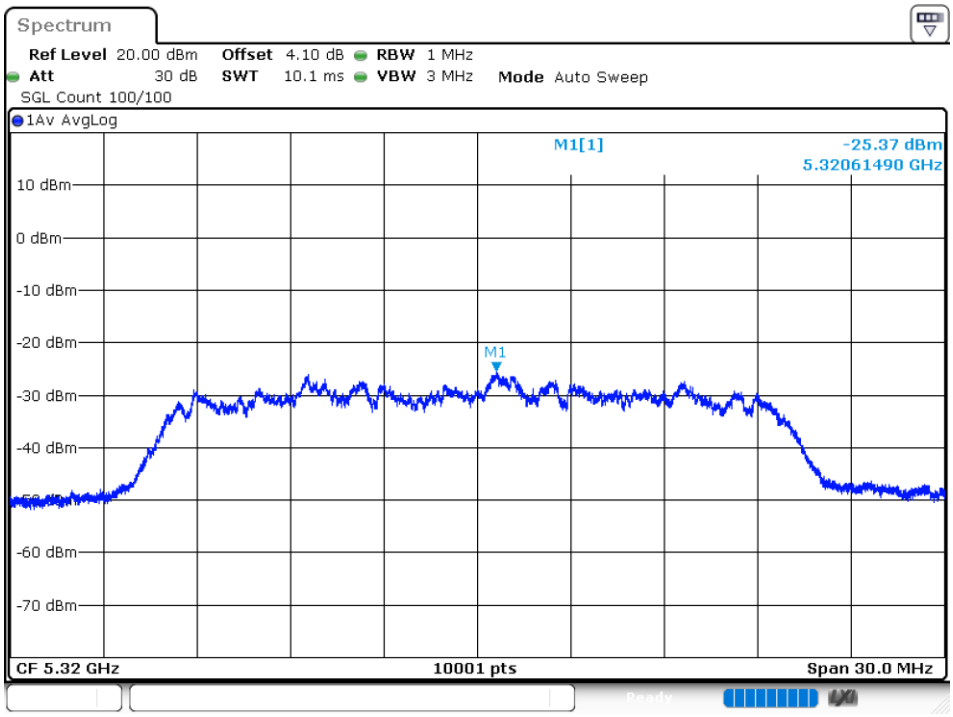
PSD NVNT ax20 5280MHz Ant1



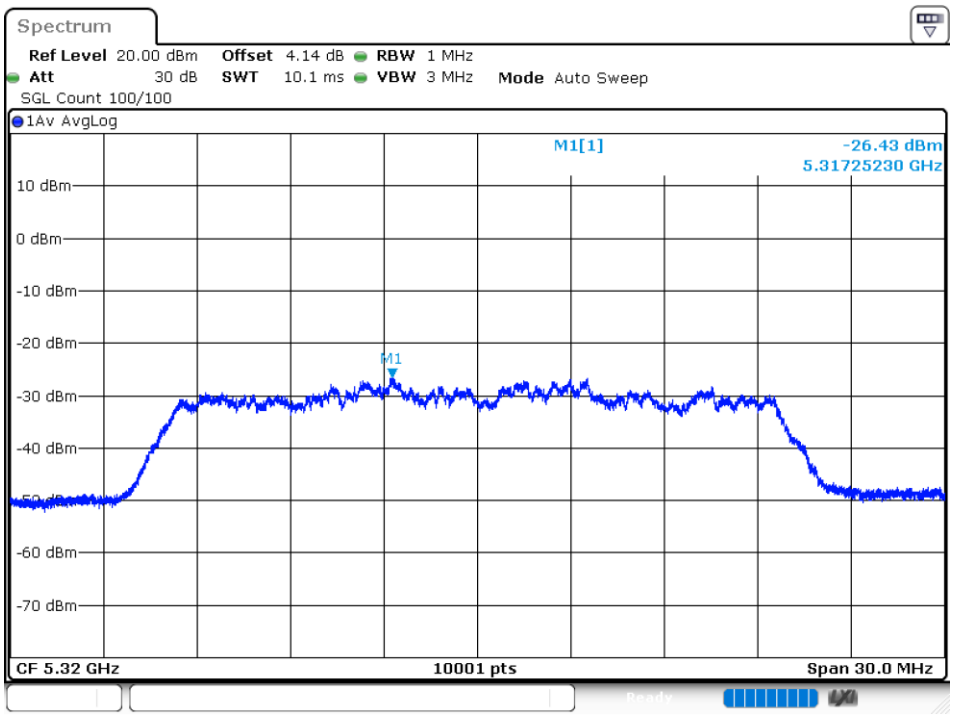
PSD NVNT ax20 5280MHz Ant2



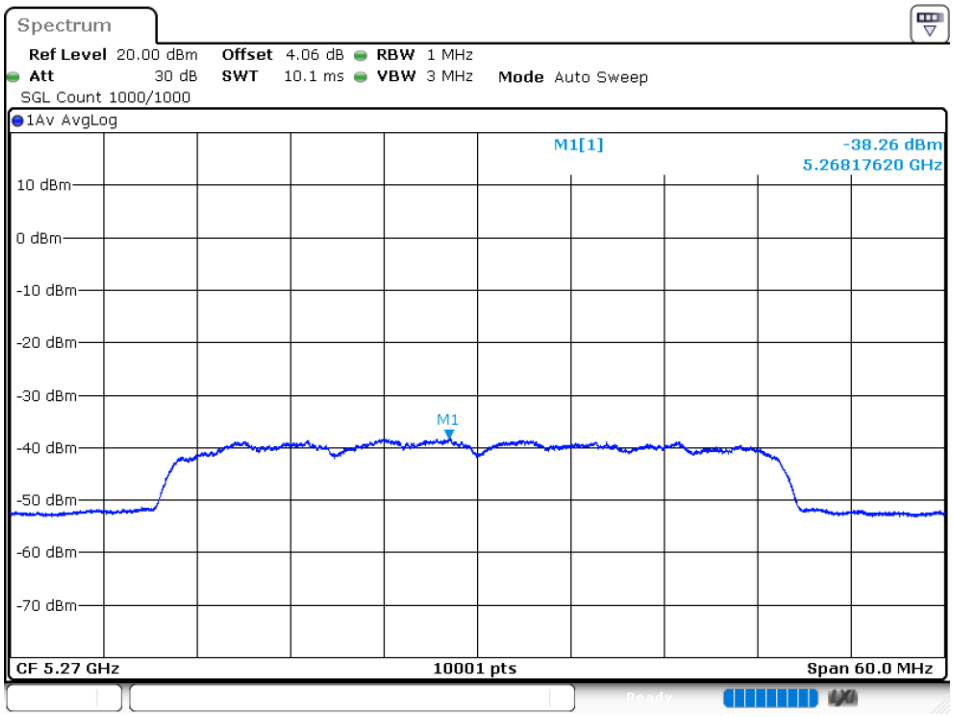
PSD NVNT ax20 5320MHz Ant1



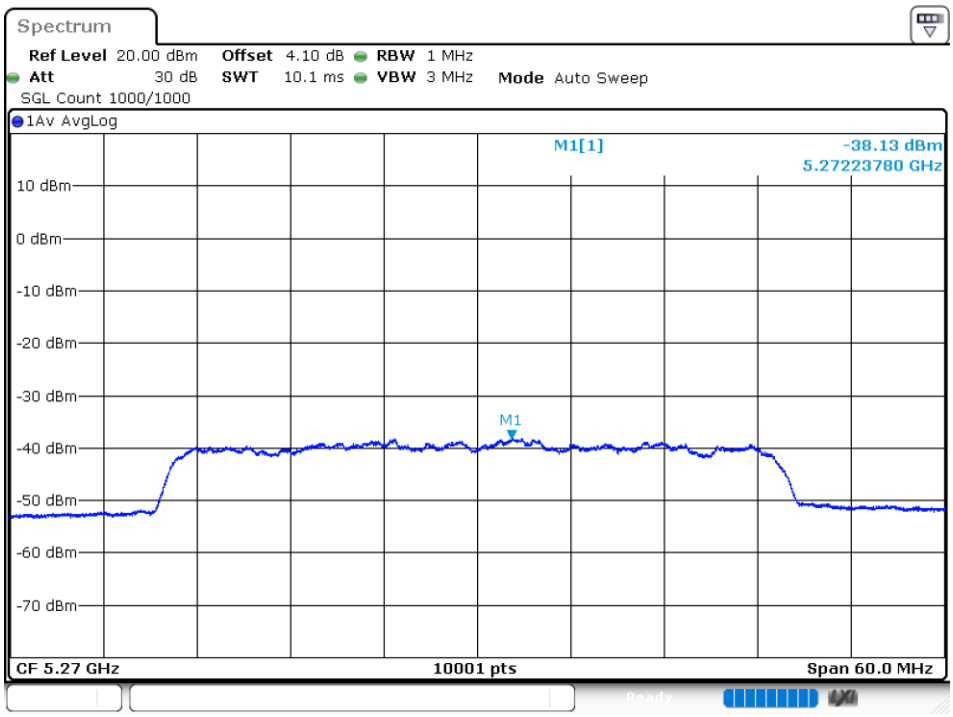
PSD NVNT ax20 5320MHz Ant2



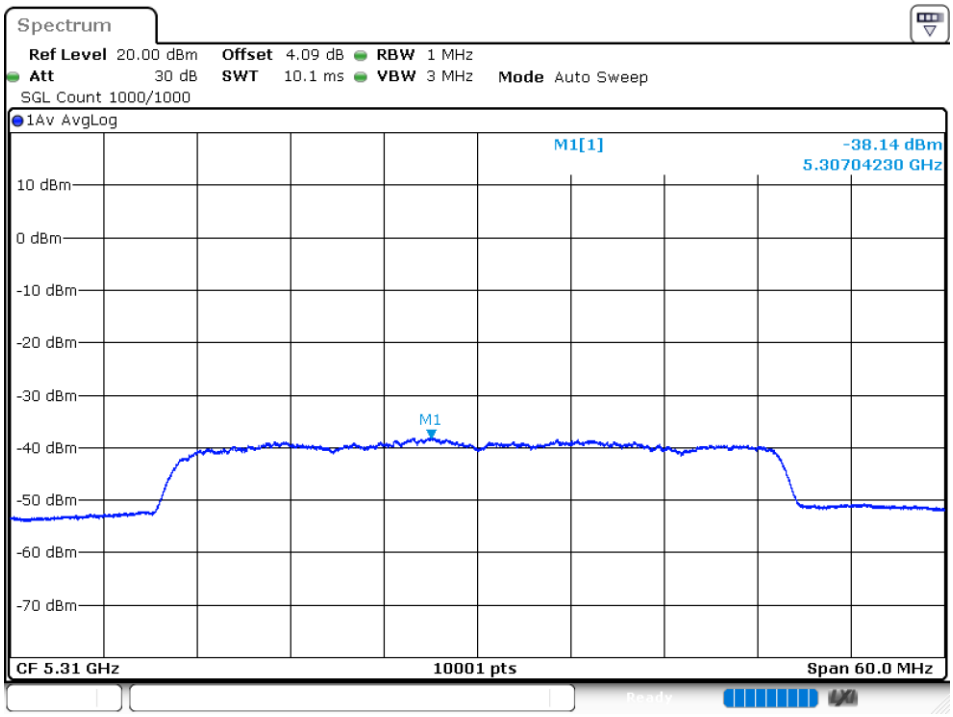
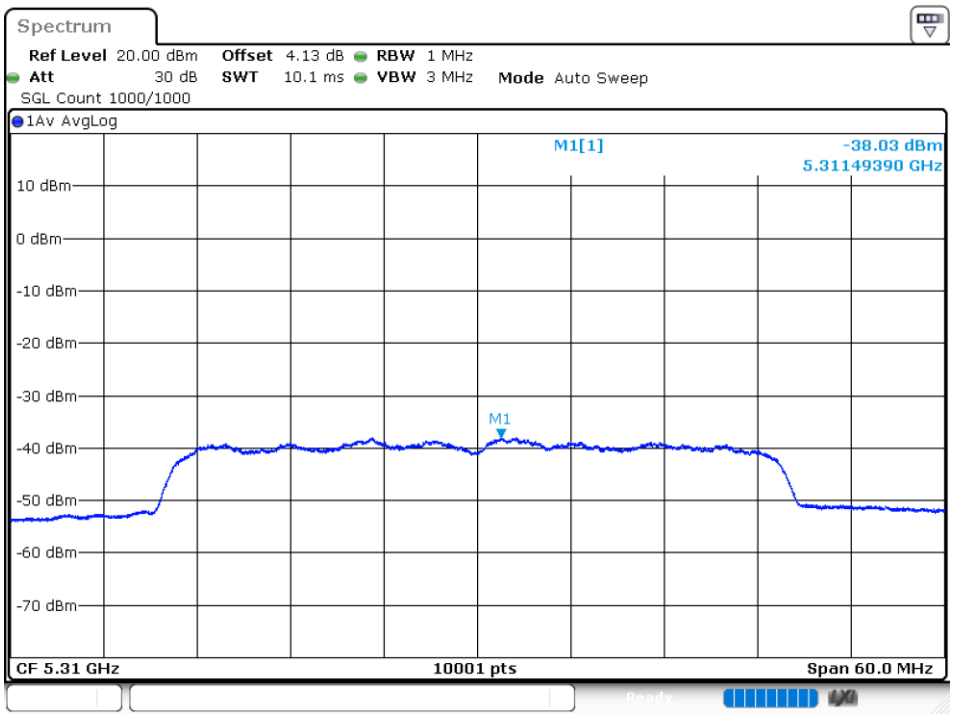
PSD NVNT ax40 5270MHz Ant1



PSD NVNT ax40 5270MHz Ant2



PSD NVNT ax40 5310MHz Ant1



PSD NVNT ax40 5310MHz Ant2