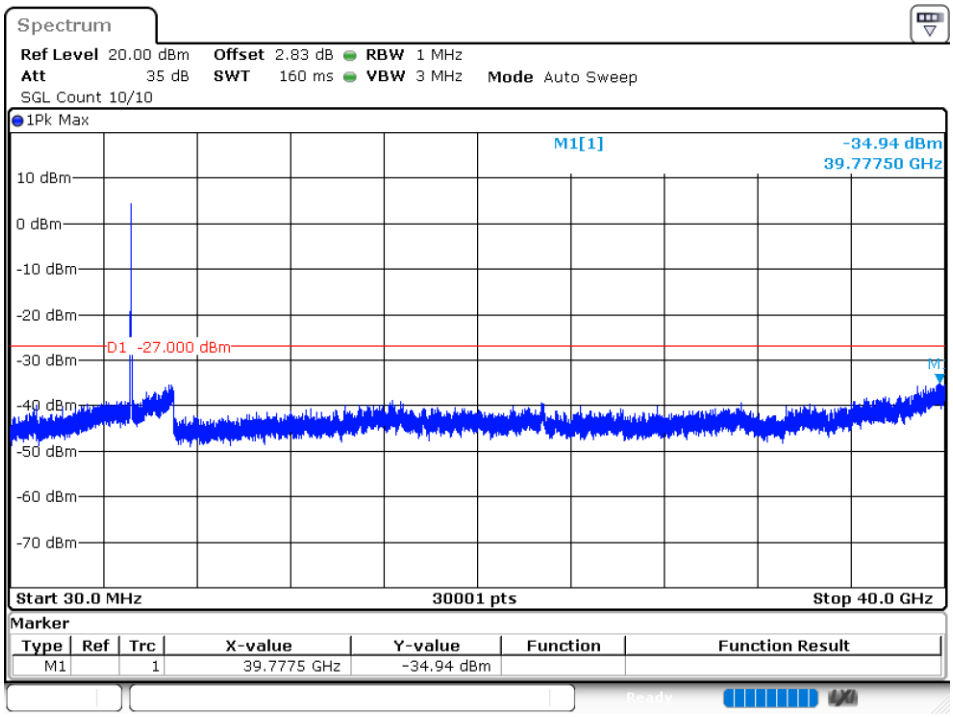
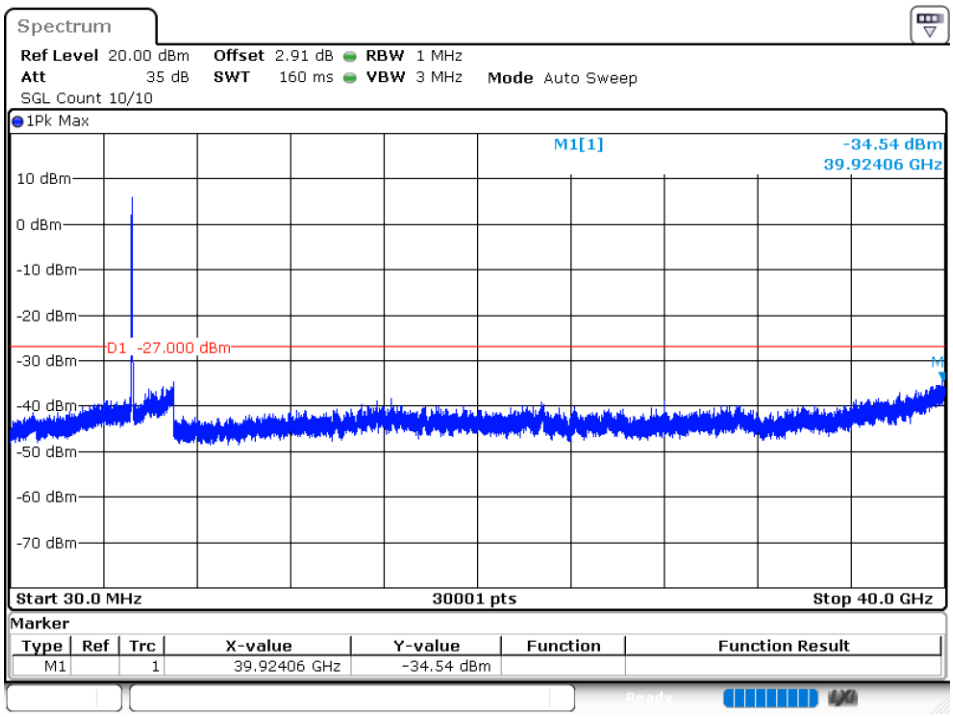
Tx. Spurious NVNT ac40 5190MHz Ant2 Emission



Tx. Spurious NVNT ac40 5230MHz Ant2 Emission



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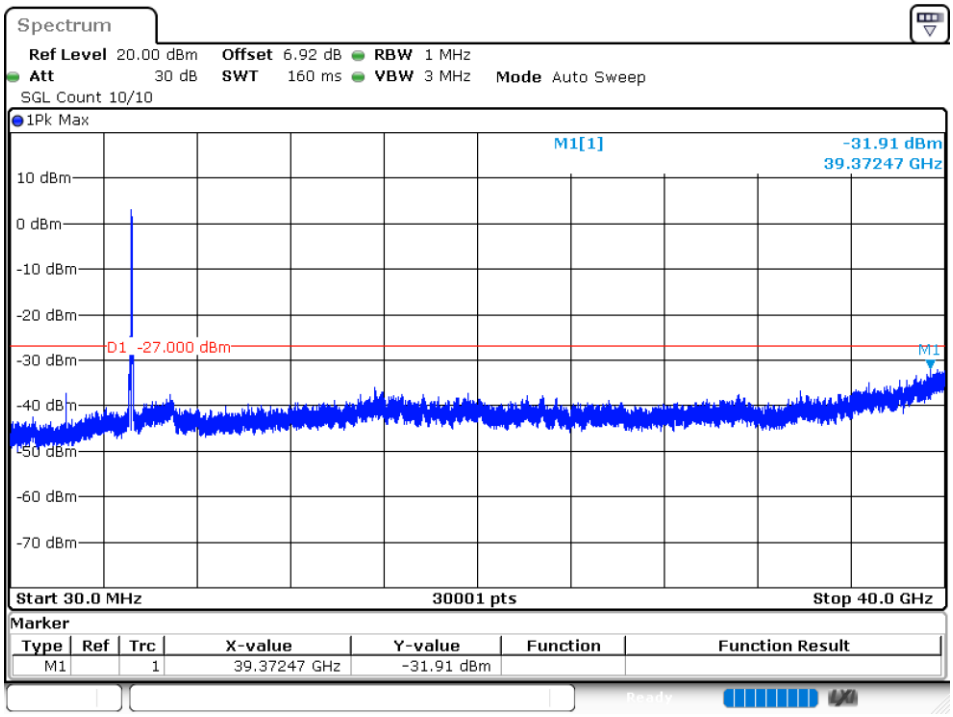

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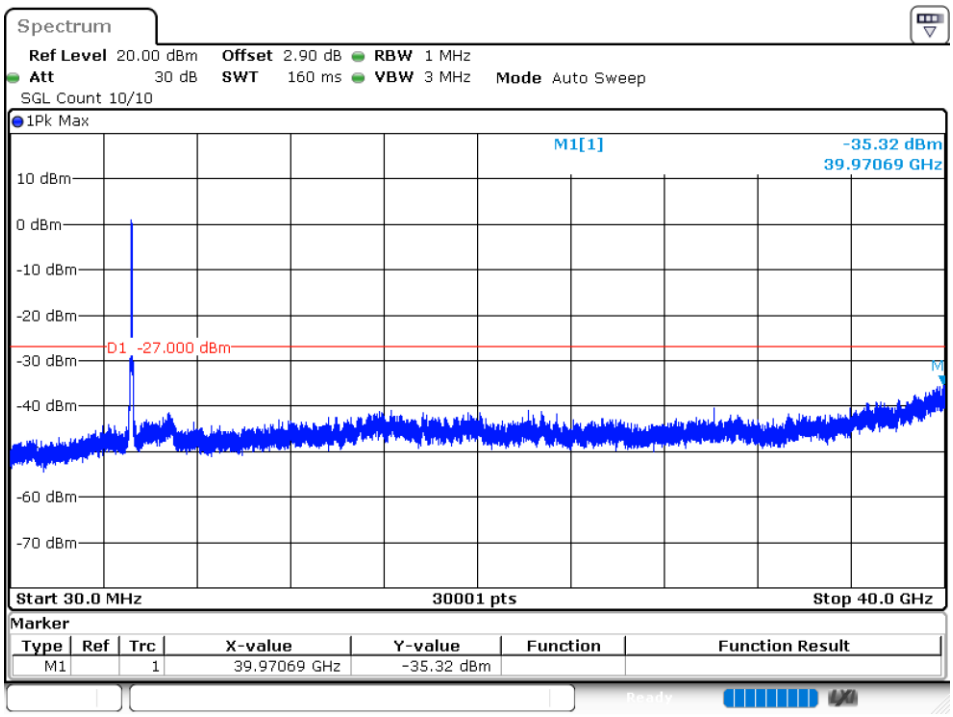

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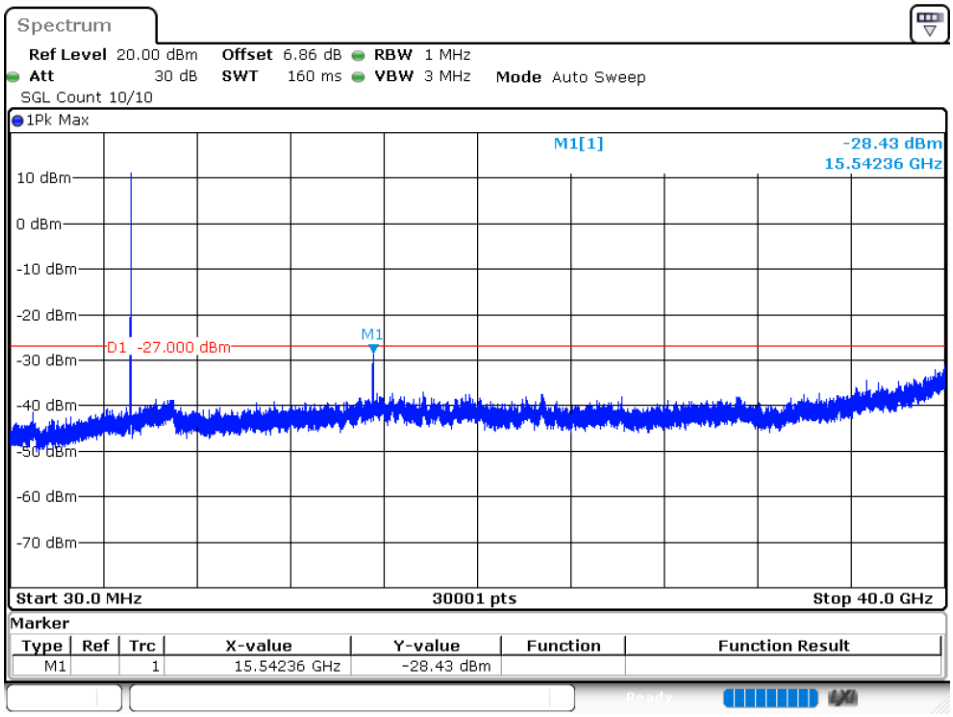

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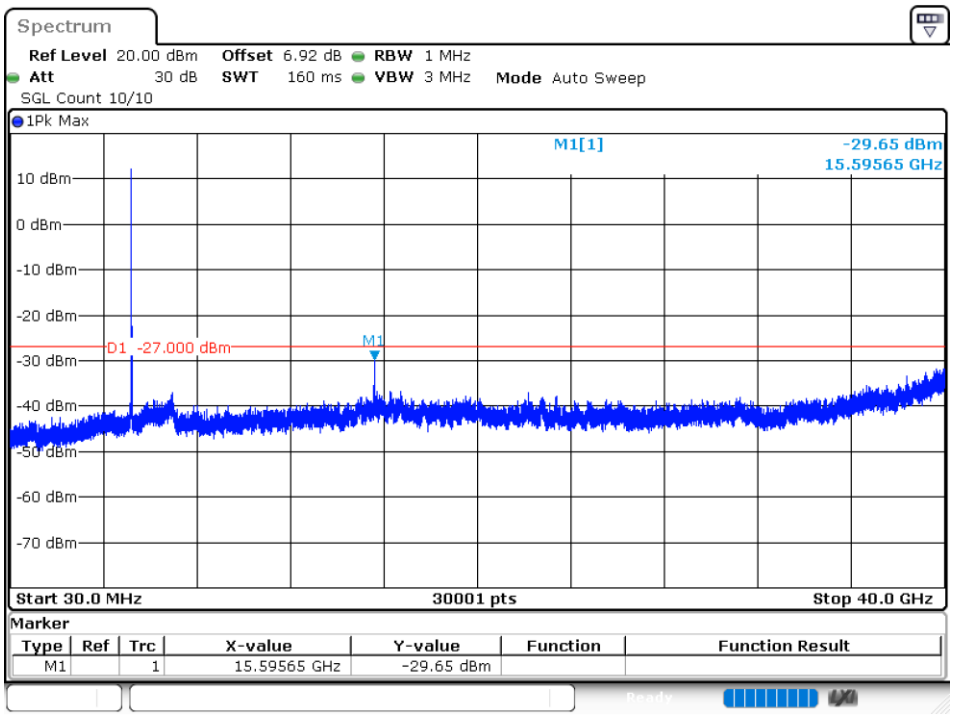

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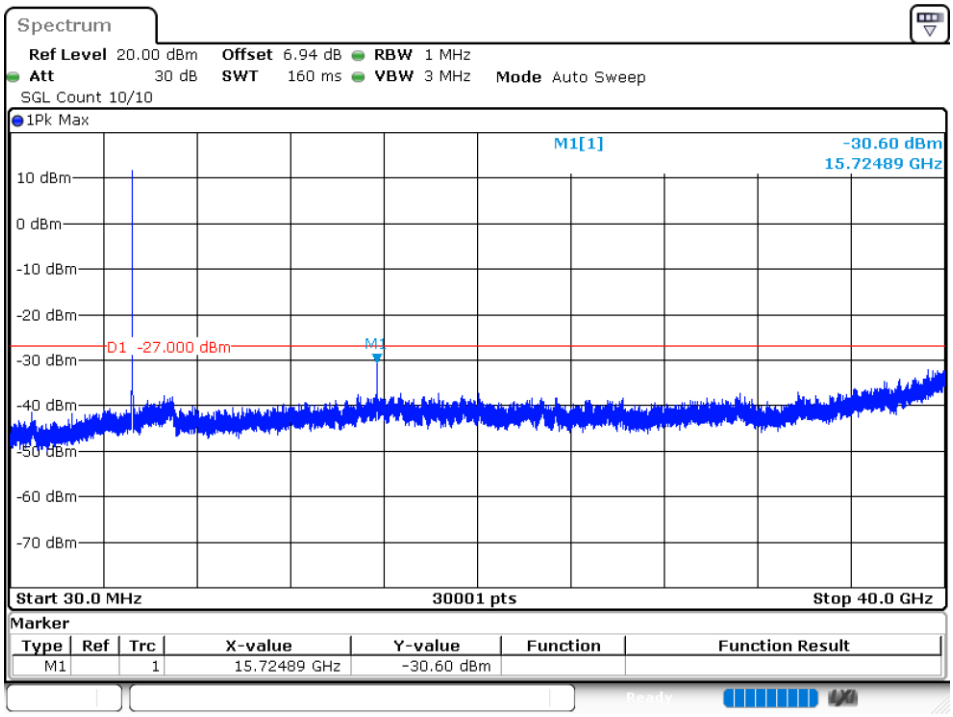

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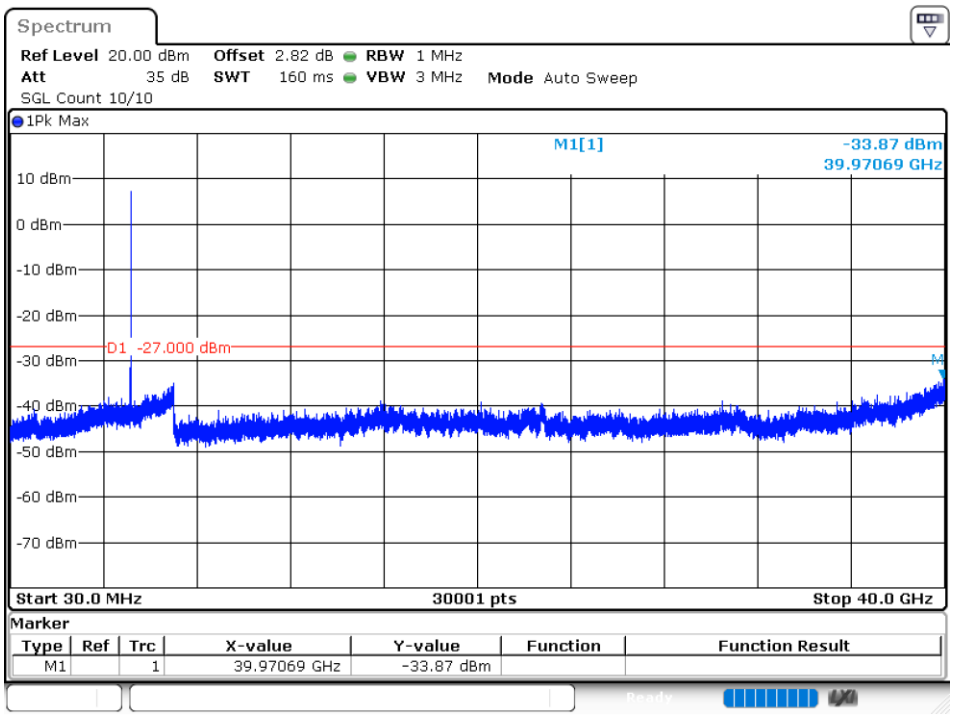

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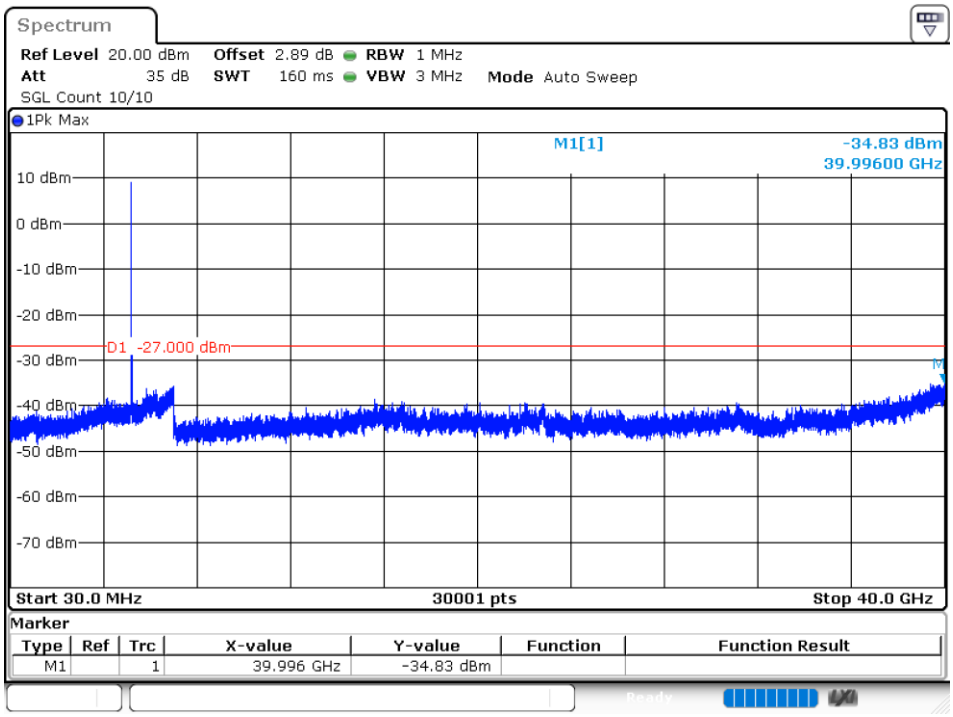

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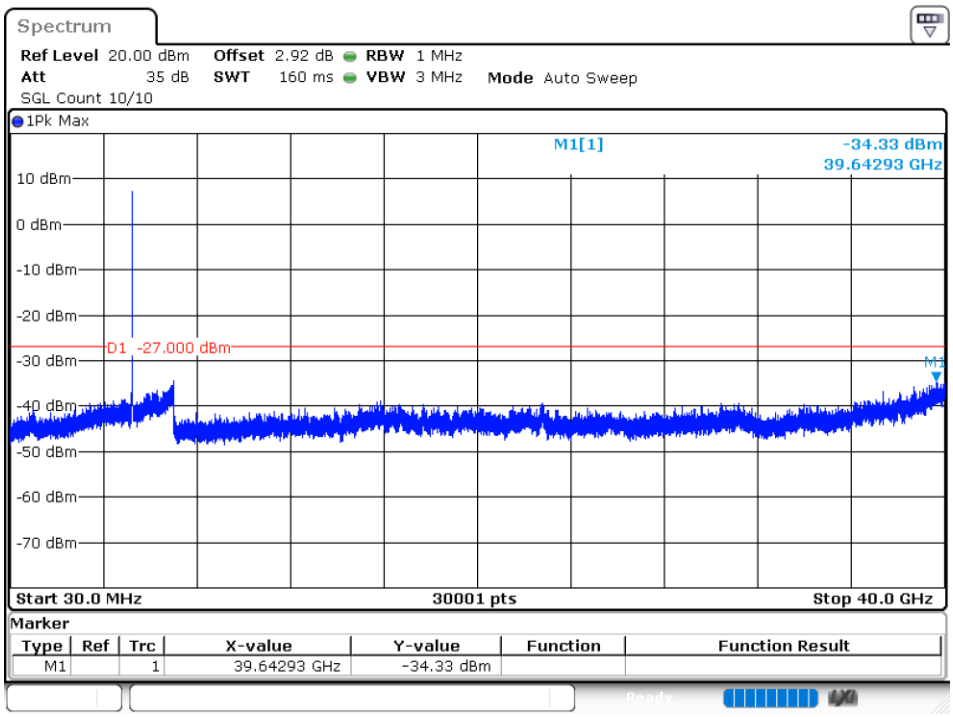

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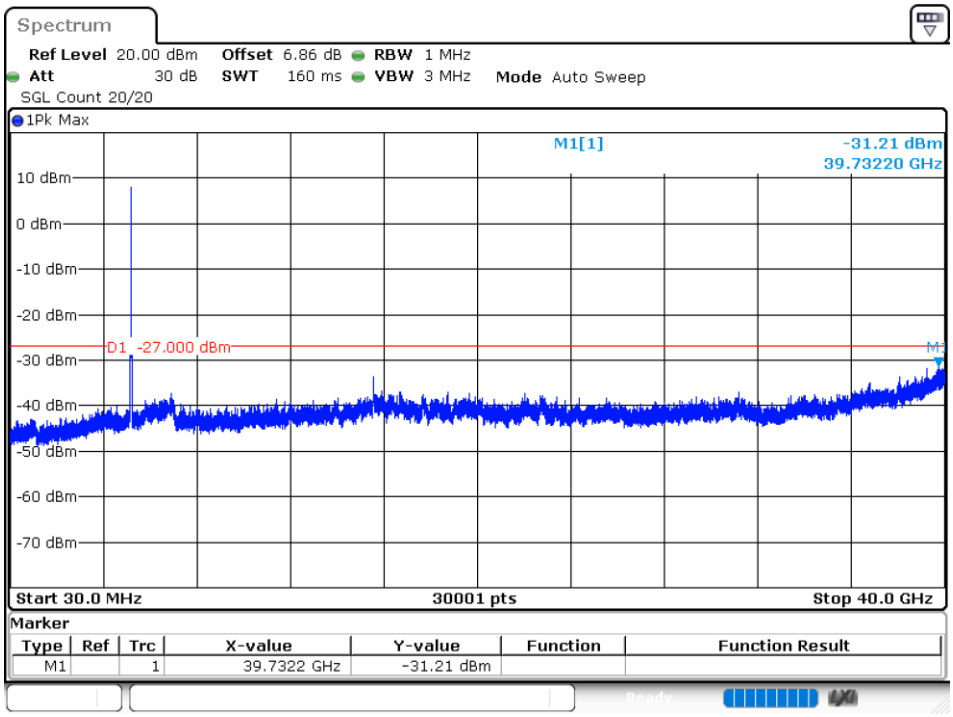

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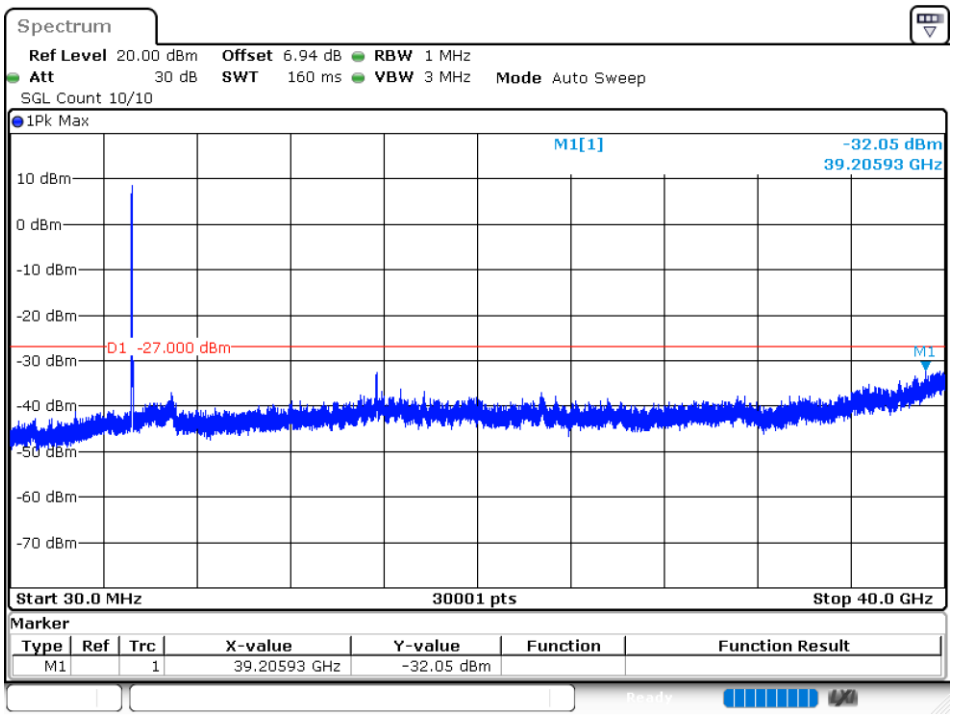

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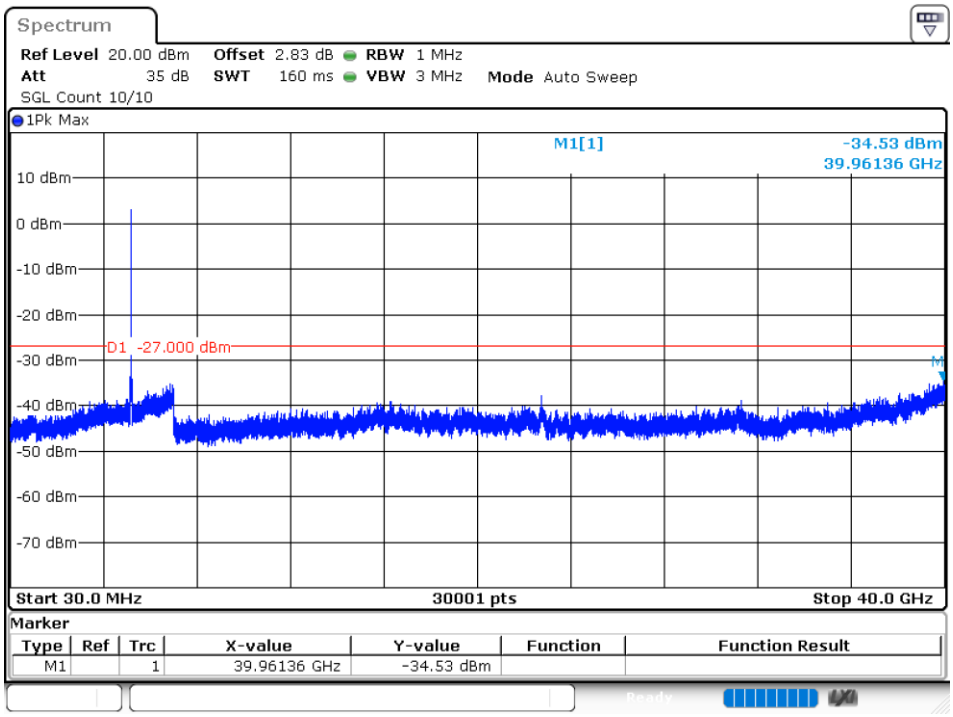

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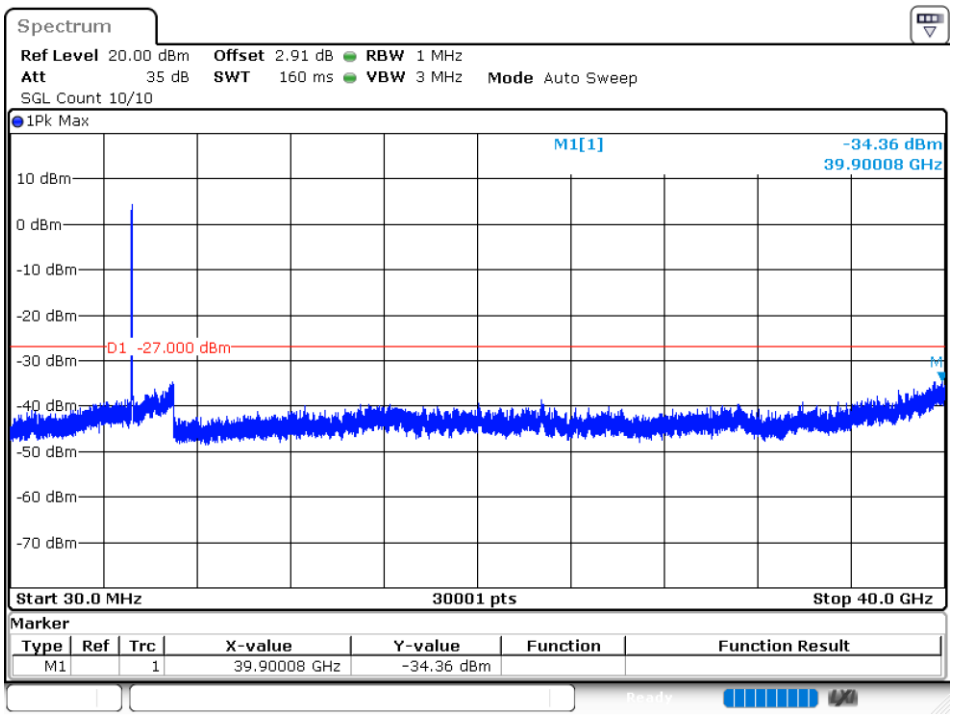

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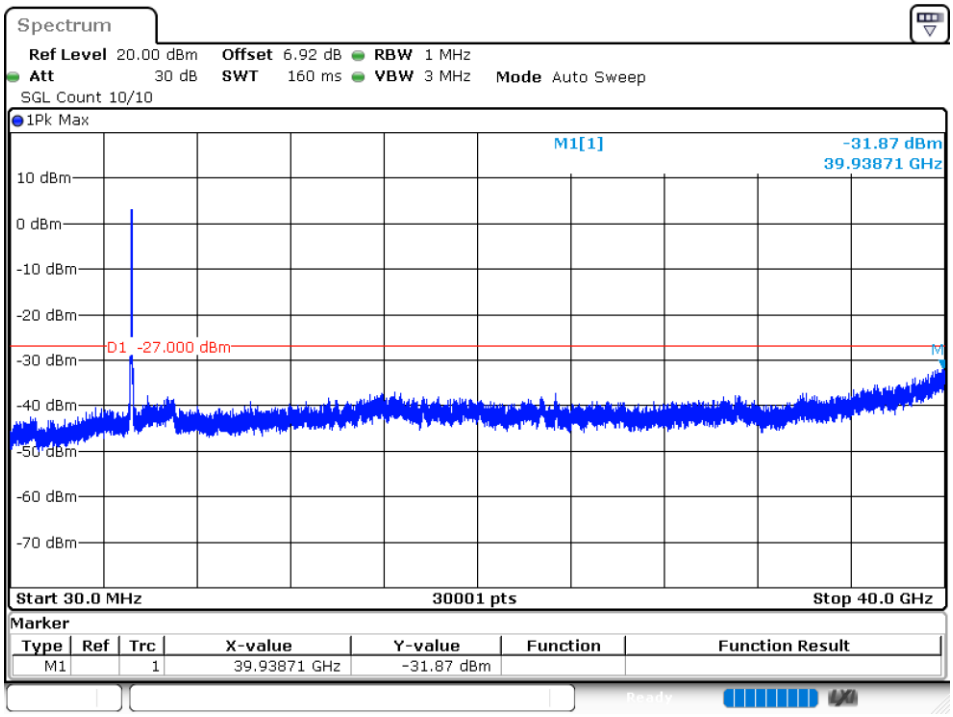

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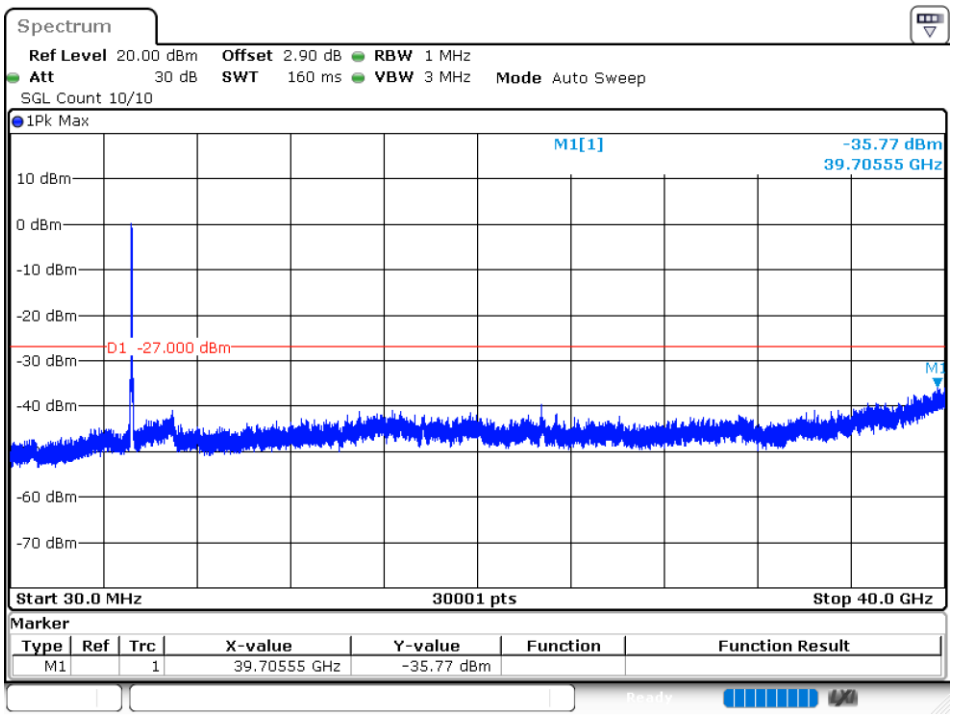


WIFI 5.2G MIMO

Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5180	Ant1	12.51	24	Pass
NVNT	ac20	5180	Ant2	13.6	24	Pass
NVNT	ac20	5180	Sum	16.1	24	Pass
NVNT	ac20	5200	Ant1	12.75	24	Pass
NVNT	ac20	5200	Ant2	13.06	24	Pass
NVNT	ac20	5200	Sum	15.92	24	Pass
NVNT	ac20	5240	Ant1	12.56	24	Pass
NVNT	ac20	5240	Ant2	12.96	24	Pass
NVNT	ac20	5240	Sum	15.77	24	Pass
NVNT	ac40	5190	Ant1	11.86	24	Pass
NVNT	ac40	5190	Ant2	12.24	24	Pass
NVNT	ac40	5190	Sum	15.06	24	Pass
NVNT	ac40	5230	Ant1	11.71	24	Pass
NVNT	ac40	5230	Ant2	12.14	24	Pass
NVNT	ac40	5230	Sum	14.94	24	Pass
NVNT	ac80	5210	Ant1	10.61	24	Pass
NVNT	ac80	5210	Ant2	10.79	24	Pass
NVNT	ac80	5210	Sum	13.71	24	Pass
NVNT	ax20	5180	Ant1	13.13	24	Pass
NVNT	ax20	5180	Ant2	13.92	24	Pass
NVNT	ax20	5180	Sum	16.55	24	Pass
NVNT	ax20	5200	Ant1	12.8	24	Pass
NVNT	ax20	5200	Ant2	13.3	24	Pass
NVNT	ax20	5200	Sum	16.07	24	Pass
NVNT	ax20	5240	Ant1	12.85	24	Pass
NVNT	ax20	5240	Ant2	13.15	24	Pass
NVNT	ax20	5240	Sum	16.01	24	Pass
NVNT	ax40	5190	Ant1	12.18	24	Pass
NVNT	ax40	5190	Ant2	12.4	24	Pass
NVNT	ax40	5190	Sum	15.3	24	Pass
NVNT	ax40	5230	Ant1	12.1	24	Pass
NVNT	ax40	5230	Ant2	12.42	24	Pass
NVNT	ax40	5230	Sum	15.27	24	Pass
NVNT	ax80	5210	Ant1	12.05	24	Pass
NVNT	ax80	5210	Ant2	12.16	24	Pass
NVNT	ax80	5210	Sum	15.12	24	Pass

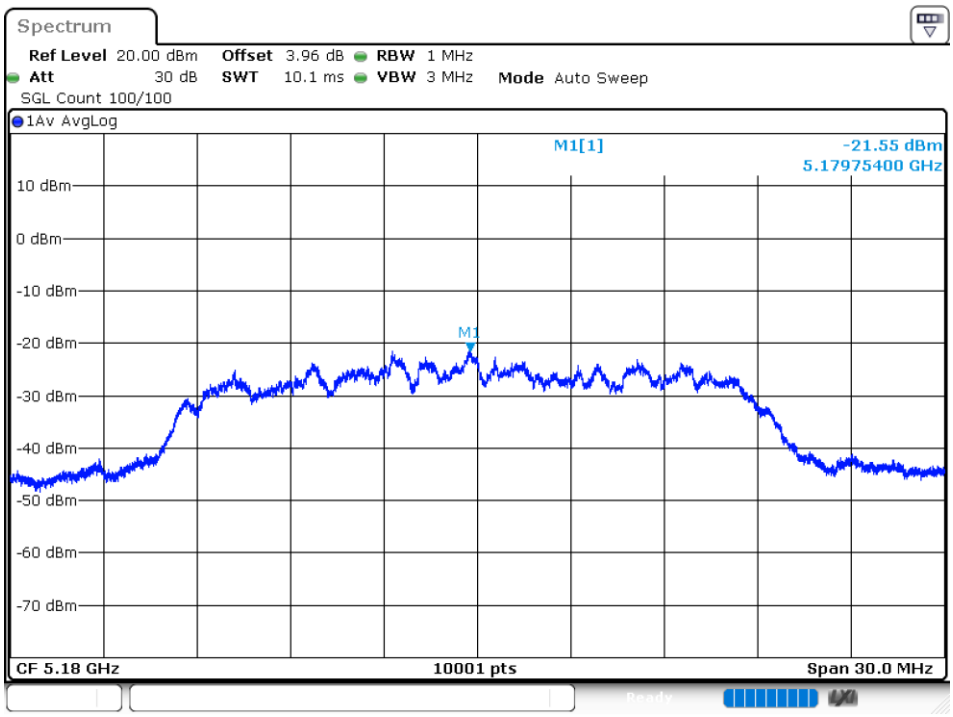
NVNT	n20	5180	Ant1	12.63	24	Pass
NVNT	n20	5180	Ant2	12.93	24	Pass
NVNT	n20	5180	Sum	15.79	24	Pass
NVNT	n20	5200	Ant1	12.84	24	Pass
NVNT	n20	5200	Ant2	13.01	24	Pass
NVNT	n20	5200	Sum	15.94	24	Pass
NVNT	n20	5240	Ant1	12.63	24	Pass
NVNT	n20	5240	Ant2	12.91	24	Pass
NVNT	n20	5240	Sum	15.78	24	Pass
NVNT	n40	5190	Ant1	11.99	24	Pass
NVNT	n40	5190	Ant2	12.14	24	Pass
NVNT	n40	5190	Sum	15.08	24	Pass
NVNT	n40	5230	Ant1	11.8	24	Pass
NVNT	n40	5230	Ant2	12.16	24	Pass
NVNT	n40	5230	Sum	14.99	24	Pass

Maximum Power Spectral Density Level

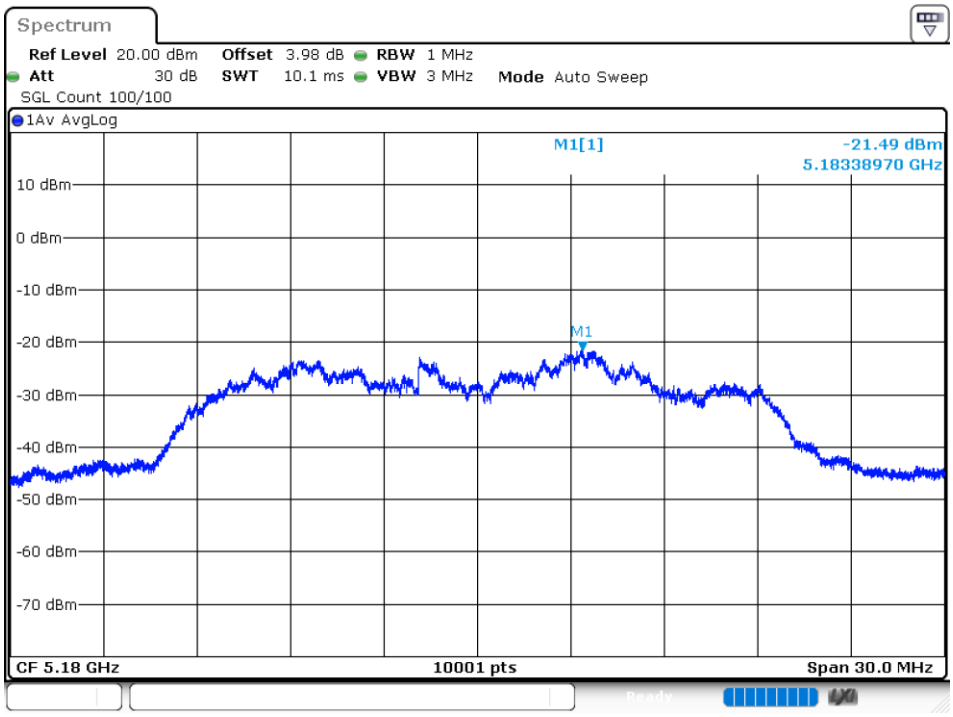
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5180	Ant1	-21.55	2.4	-19.15	5.73	Pass
NVNT	ac20	5180	Ant2	-21.49	2.4	-19.09	5.73	Pass
NVNT	ac20	5180	Sum	-18.51	2.4	-16.11	5.73	Pass
NVNT	ac20	5200	Ant1	-22.57	2.67	-19.9	5.73	Pass
NVNT	ac20	5200	Ant2	-22.81	2.67	-20.14	5.73	Pass
NVNT	ac20	5200	Sum	-19.68	2.67	-17.01	5.73	Pass
NVNT	ac20	5240	Ant1	-22.93	2.64	-20.29	5.73	Pass
NVNT	ac20	5240	Ant2	-20.61	2.64	-17.97	5.73	Pass
NVNT	ac20	5240	Sum	-18.61	2.64	-15.97	5.73	Pass
NVNT	ac40	5190	Ant1	-31.91	4.24	-27.67	5.73	Pass
NVNT	ac40	5190	Ant2	-32.31	4.24	-28.07	5.73	Pass
NVNT	ac40	5190	Sum	-29.1	4.24	-24.86	5.73	Pass
NVNT	ac40	5230	Ant1	-31.47	4.23	-27.24	5.73	Pass
NVNT	ac40	5230	Ant2	-30.34	4.23	-26.11	5.73	Pass
NVNT	ac40	5230	Sum	-27.86	4.23	-23.63	5.73	Pass
NVNT	ac80	5210	Ant1	-41.32	6.42	-34.9	5.73	Pass
NVNT	ac80	5210	Ant2	-41.4	6.42	-34.98	5.73	Pass
NVNT	ac80	5210	Sum	-38.35	6.42	-31.93	5.73	Pass
NVNT	ax20	5180	Ant1	-26.51	3.19	-23.32	5.73	Pass
NVNT	ax20	5180	Ant2	-26.46	3.19	-23.27	5.73	Pass
NVNT	ax20	5180	Sum	-23.47	3.19	-20.28	5.73	Pass
NVNT	ax20	5200	Ant1	-26.4	3.11	-23.29	5.73	Pass
NVNT	ax20	5200	Ant2	-25.79	3.11	-22.68	5.73	Pass
NVNT	ax20	5200	Sum	-23.07	3.11	-19.96	5.73	Pass
NVNT	ax20	5240	Ant1	-25.67	3.09	-22.58	5.73	Pass
NVNT	ax20	5240	Ant2	-26.21	3.09	-23.12	5.73	Pass
NVNT	ax20	5240	Sum	-22.92	3.09	-19.83	5.73	Pass
NVNT	ax40	5190	Ant1	-34.57	4.72	-29.85	5.73	Pass
NVNT	ax40	5190	Ant2	-33.02	4.72	-28.3	5.73	Pass
NVNT	ax40	5190	Sum	-30.72	4.72	-26	5.73	Pass
NVNT	ax40	5230	Ant1	-35.73	4.67	-31.06	5.73	Pass
NVNT	ax40	5230	Ant2	-36.12	4.67	-31.45	5.73	Pass
NVNT	ax40	5230	Sum	-32.91	4.67	-28.24	5.73	Pass
NVNT	ax80	5210	Ant1	-37.82	6.59	-31.23	5.73	Pass
NVNT	ax80	5210	Ant2	-40	6.59	-33.41	5.73	Pass
NVNT	ax80	5210	Sum	-35.76	6.59	-29.17	5.73	Pass
NVNT	n20	5180	Ant1	-20.76	2.64	-18.12	5.73	Pass
NVNT	n20	5180	Ant2	-22.88	2.64	-20.24	5.73	Pass
NVNT	n20	5180	Sum	-18.68	2.64	-16.04	5.73	Pass
NVNT	n20	5200	Ant1	-19.68	2.41	-17.27	5.73	Pass
NVNT	n20	5200	Ant2	-18.41	2.41	-16	5.73	Pass

NVNT	n20	5200	Sum	-15.99	2.41	-13.58	5.73	Pass
NVNT	n20	5240	Ant1	-17.91	2.63	-15.28	5.73	Pass
NVNT	n20	5240	Ant2	-17.42	2.63	-14.79	5.73	Pass
NVNT	n20	5240	Sum	-14.65	2.63	-12.02	5.73	Pass
NVNT	n40	5190	Ant1	-33.64	4.29	-29.35	5.73	Pass
NVNT	n40	5190	Ant2	-31.88	4.29	-27.59	5.73	Pass
NVNT	n40	5190	Sum	-29.66	4.29	-25.37	5.73	Pass
NVNT	n40	5230	Ant1	-26.53	4.29	-22.24	5.73	Pass
NVNT	n40	5230	Ant2	-27.82	4.29	-23.53	5.73	Pass
NVNT	n40	5230	Sum	-24.12	4.29	-19.83	5.73	Pass

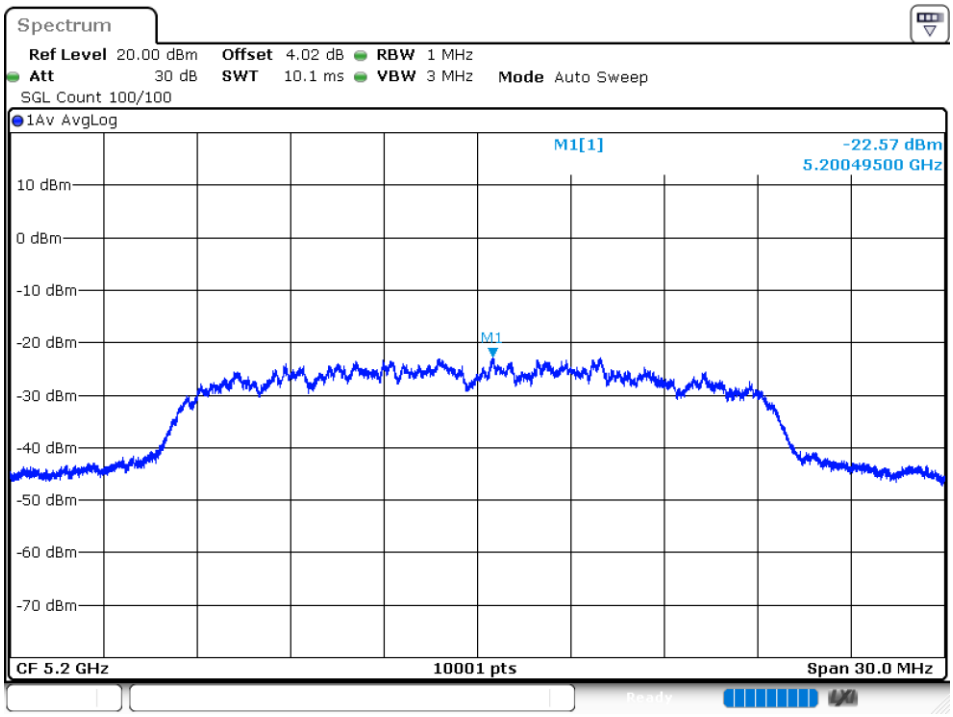
Test Graphs
PSD NVNT ac20 5180MHz Ant1



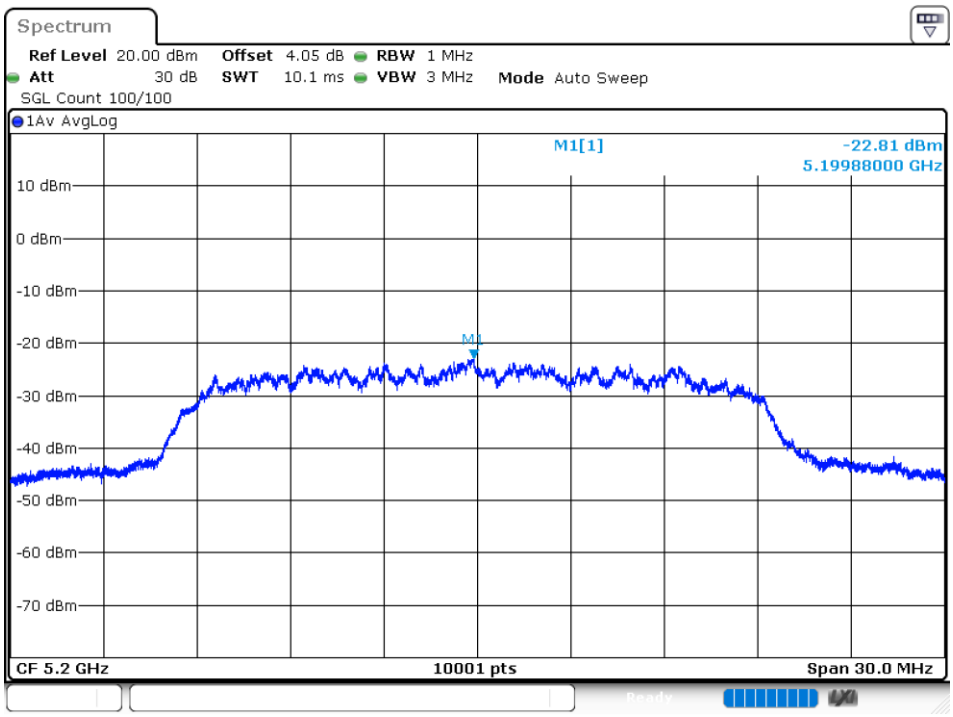
PSD NVNT ac20 5180MHz Ant2



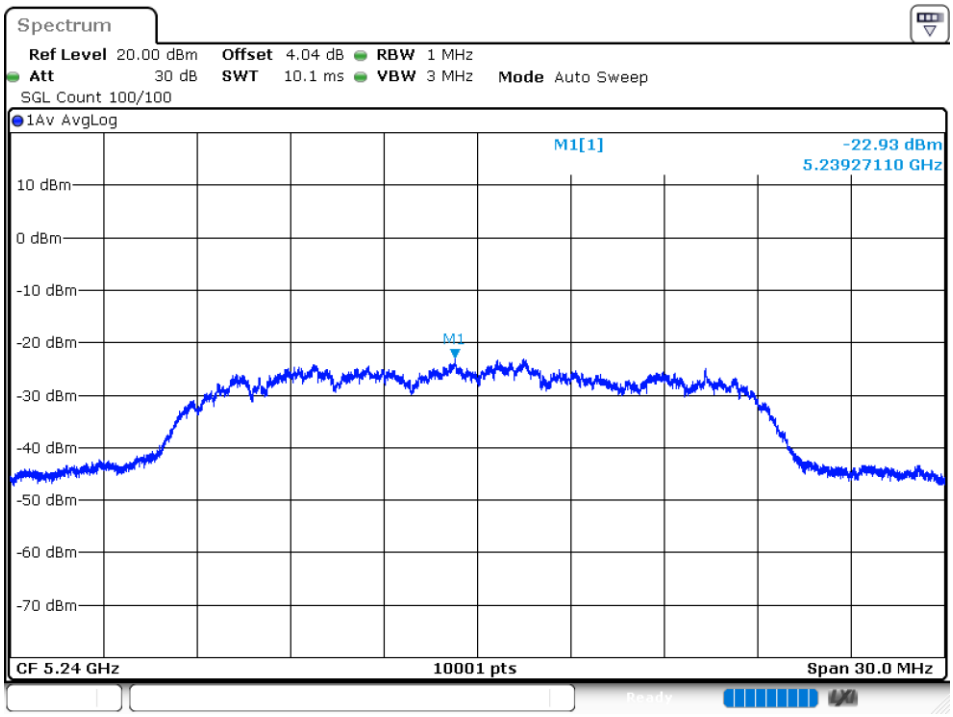
PSD NVNT ac20 5200MHz Ant1



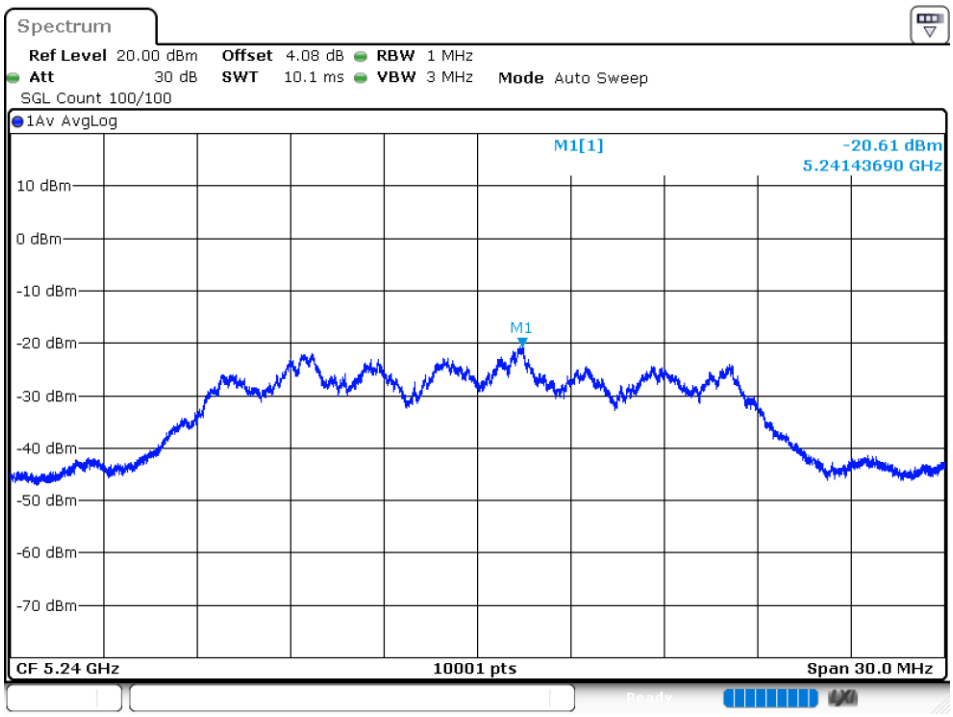
PSD NVNT ac20 5200MHz Ant2



PSD NVNT ac20 5240MHz Ant1



PSD NVNT ac20 5240MHz Ant2



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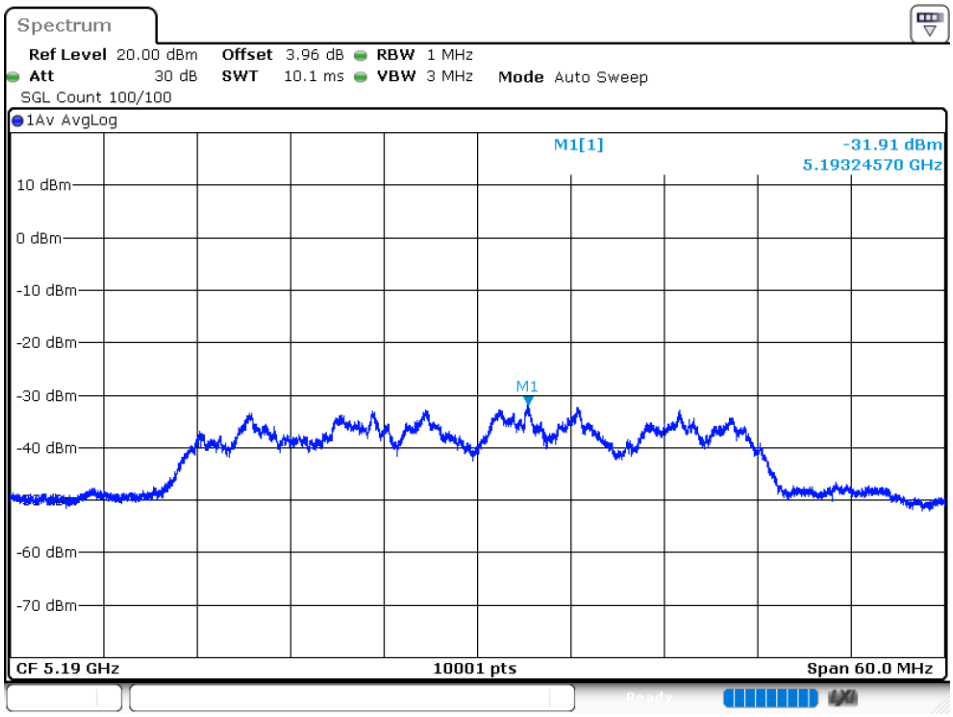

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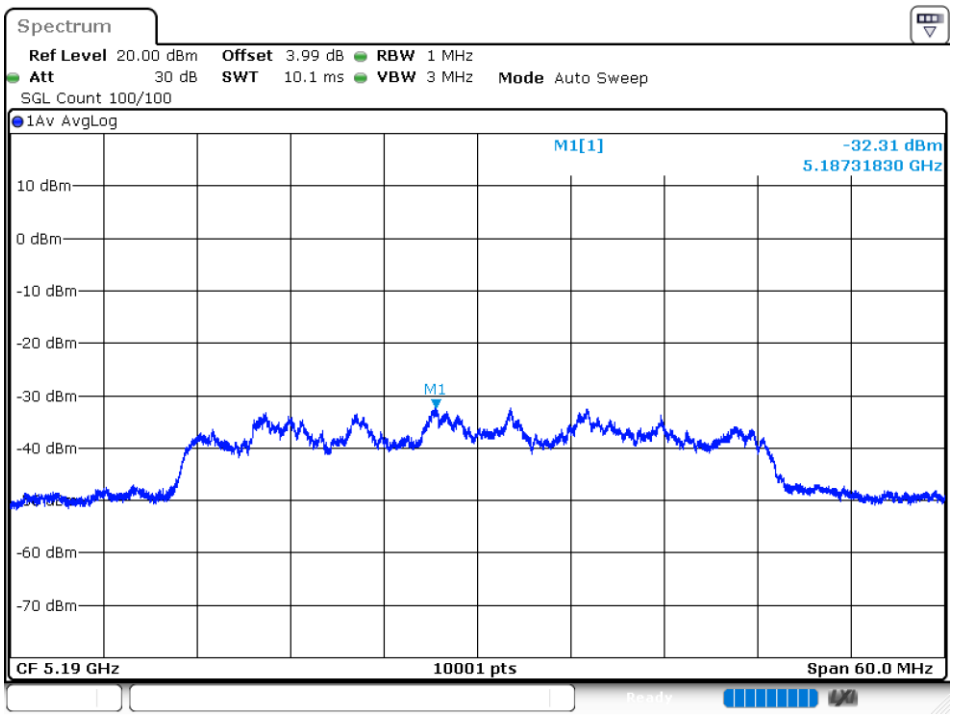

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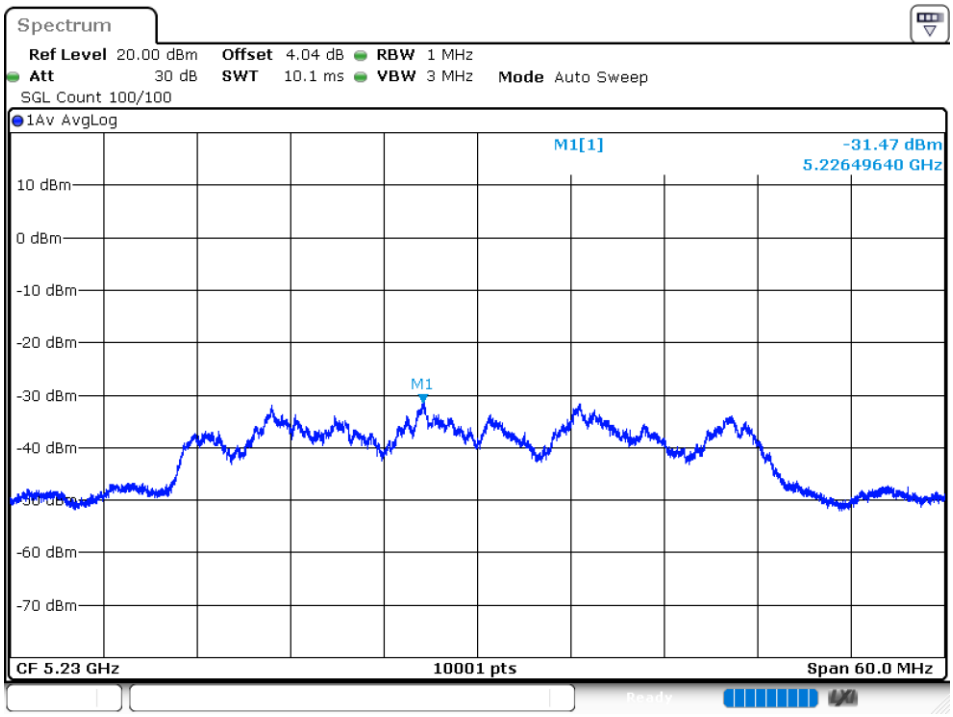

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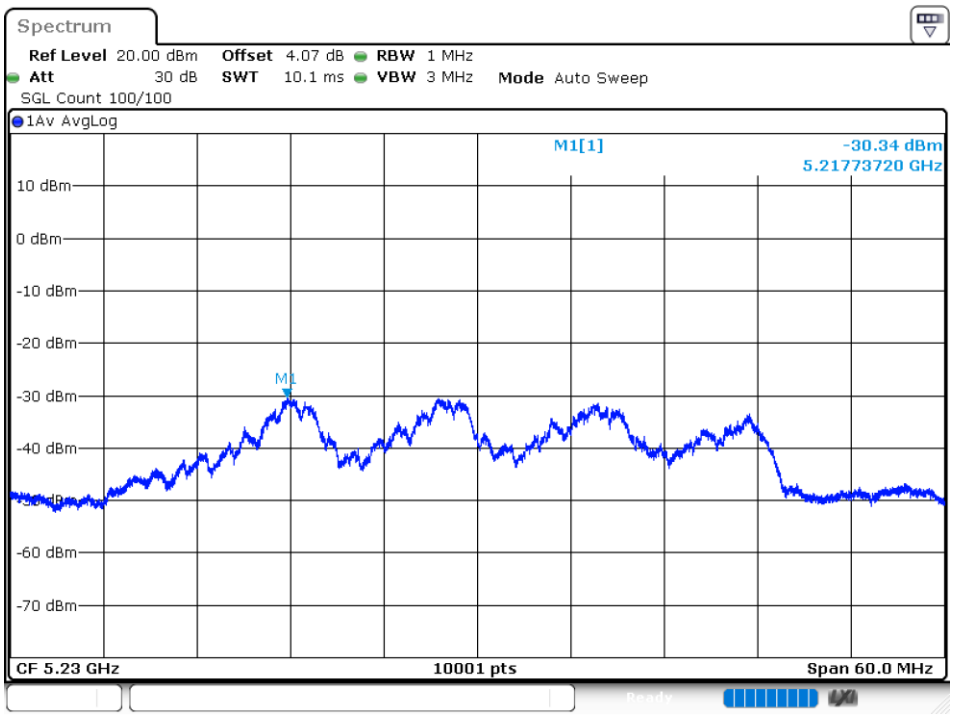
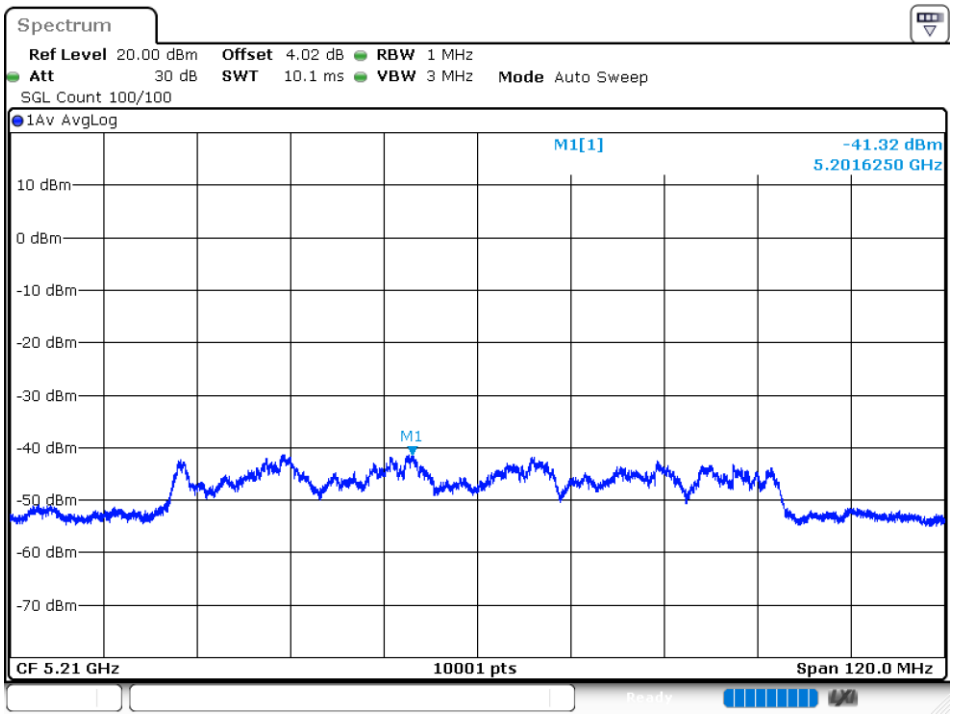
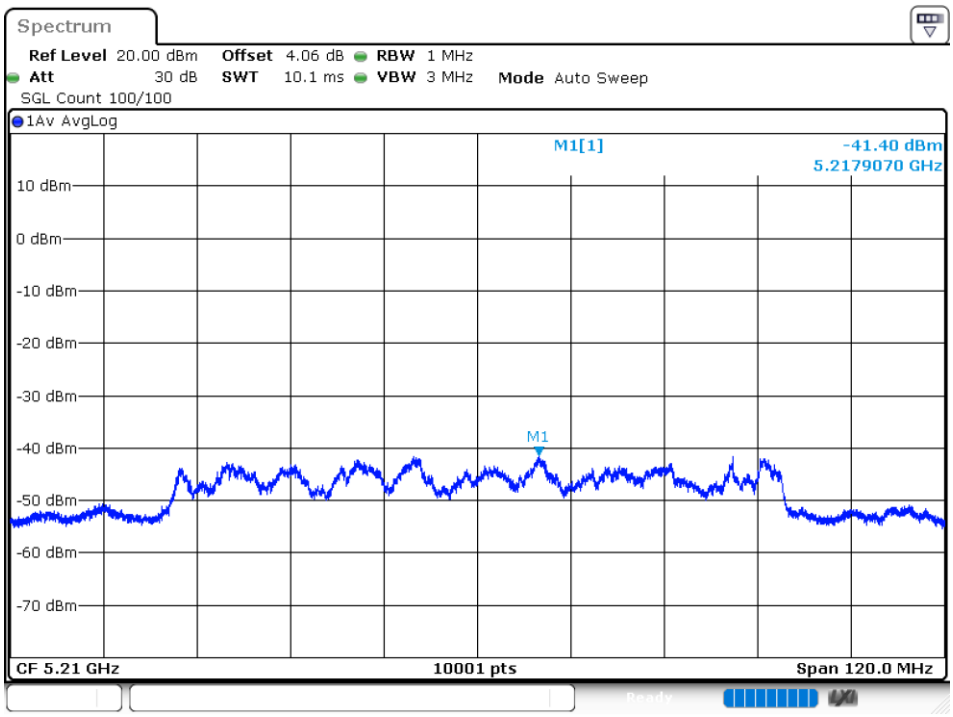


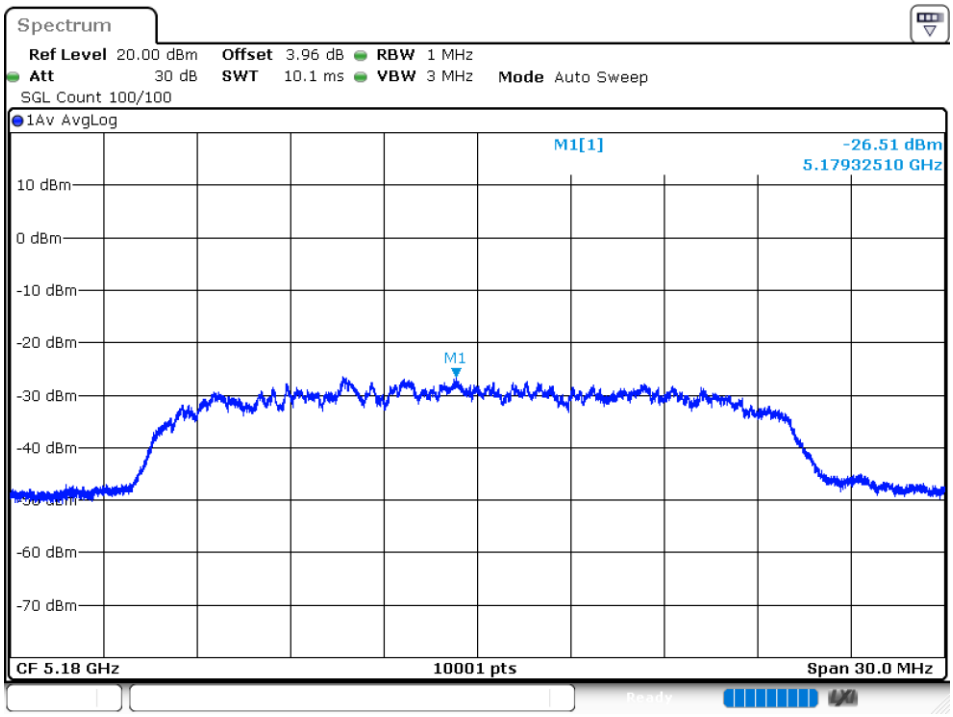
PSD NVNT ac80 5210MHz Ant1



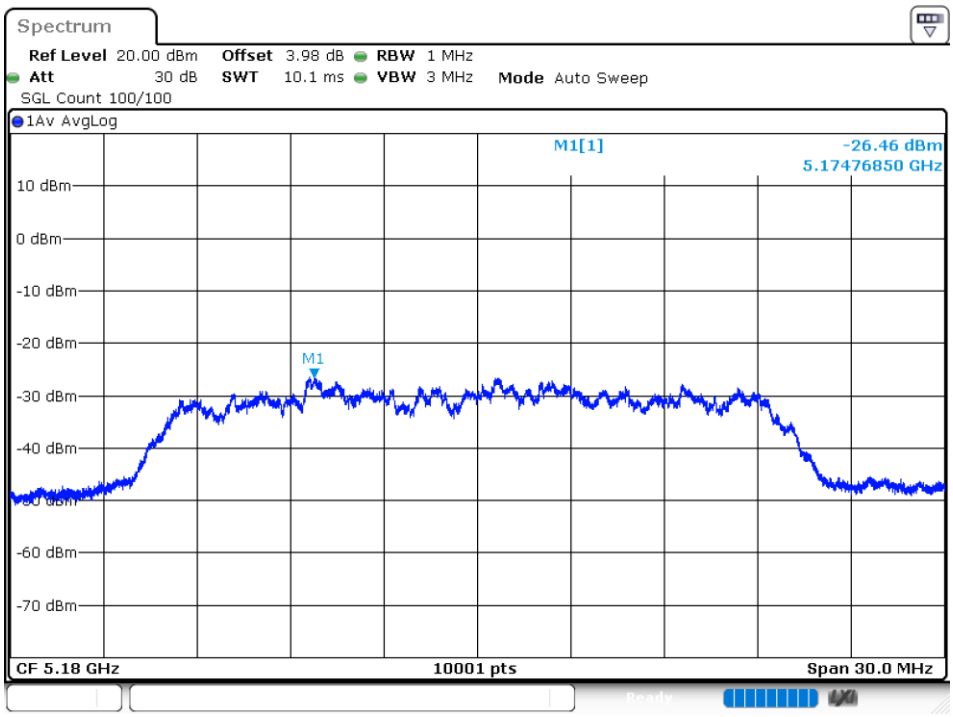
PSD NVNT ac80 5210MHz Ant2



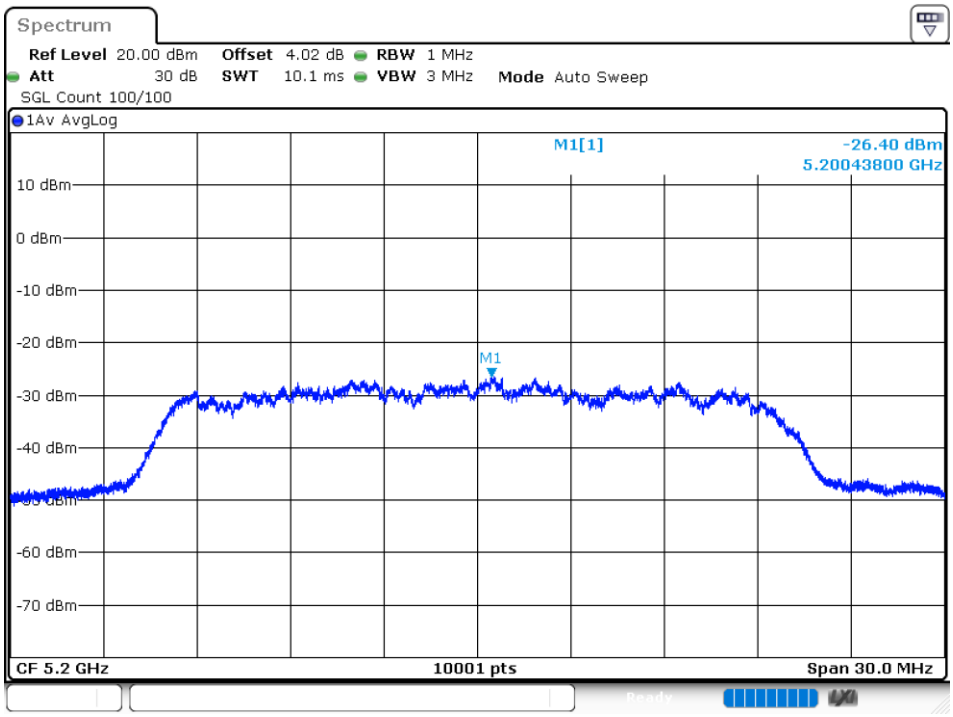
PSD NVNT ax20 5180MHz Ant1



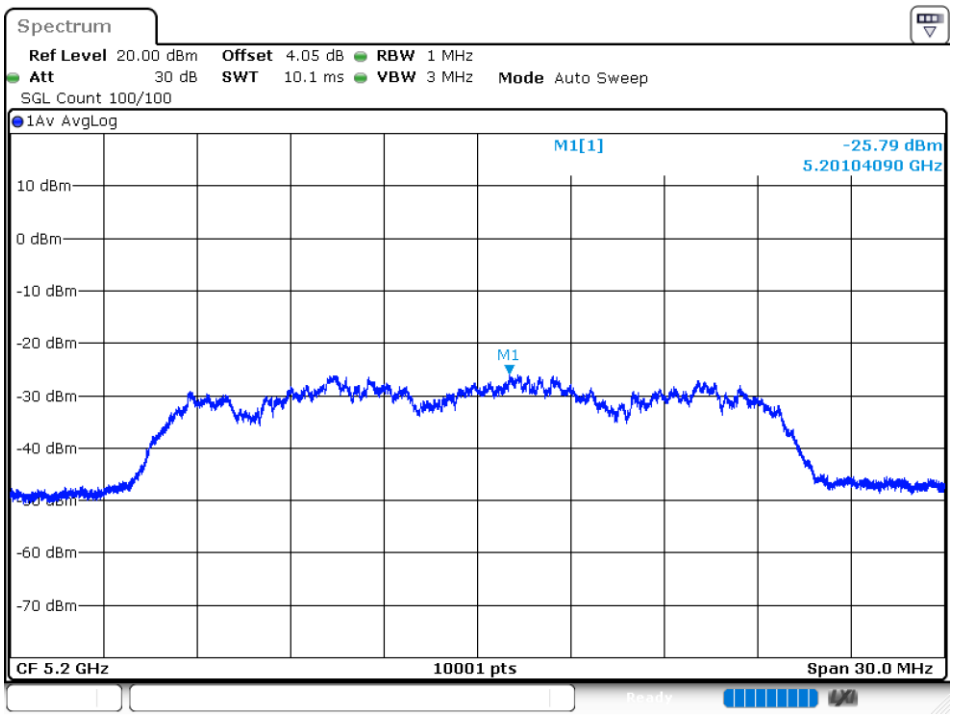
PSD NVNT ax20 5180MHz Ant2



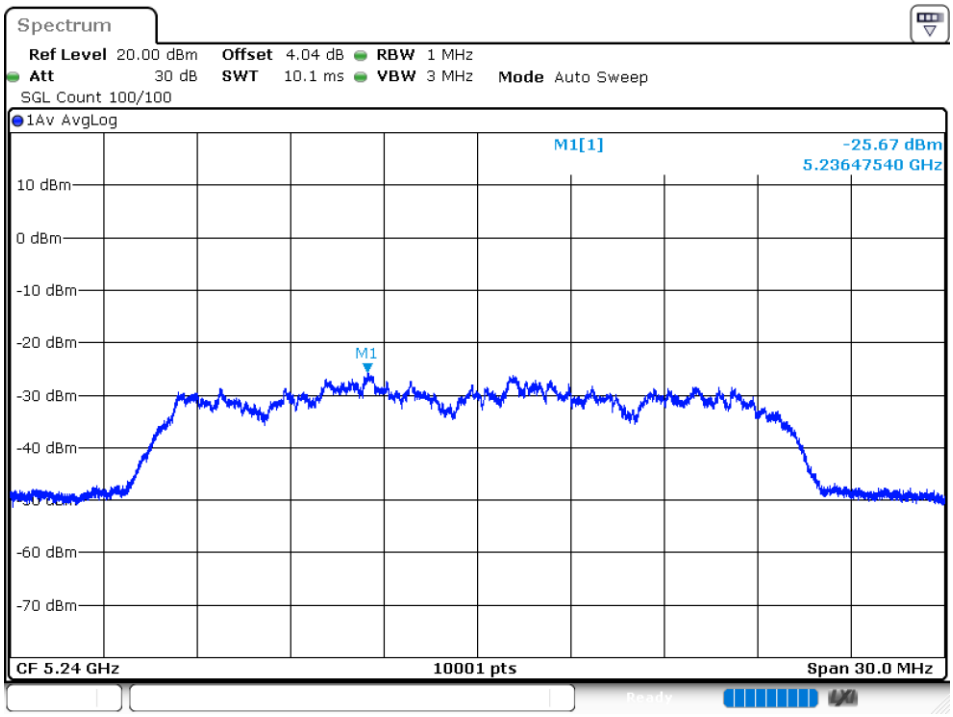
PSD NVNT ax20 5200MHz Ant1



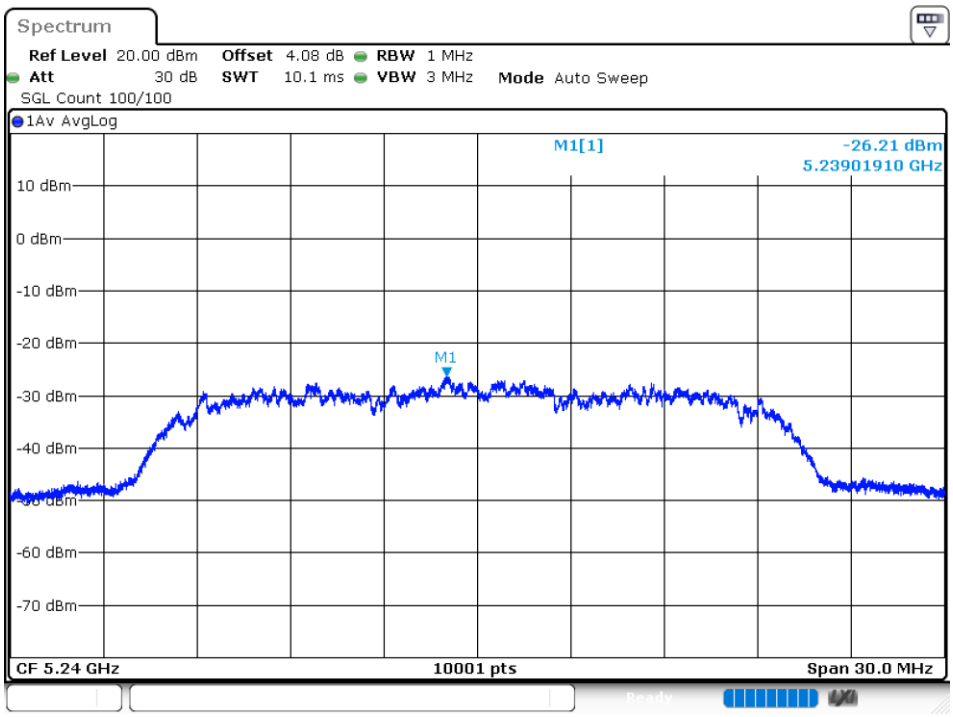
PSD NVNT ax20 5200MHz Ant2



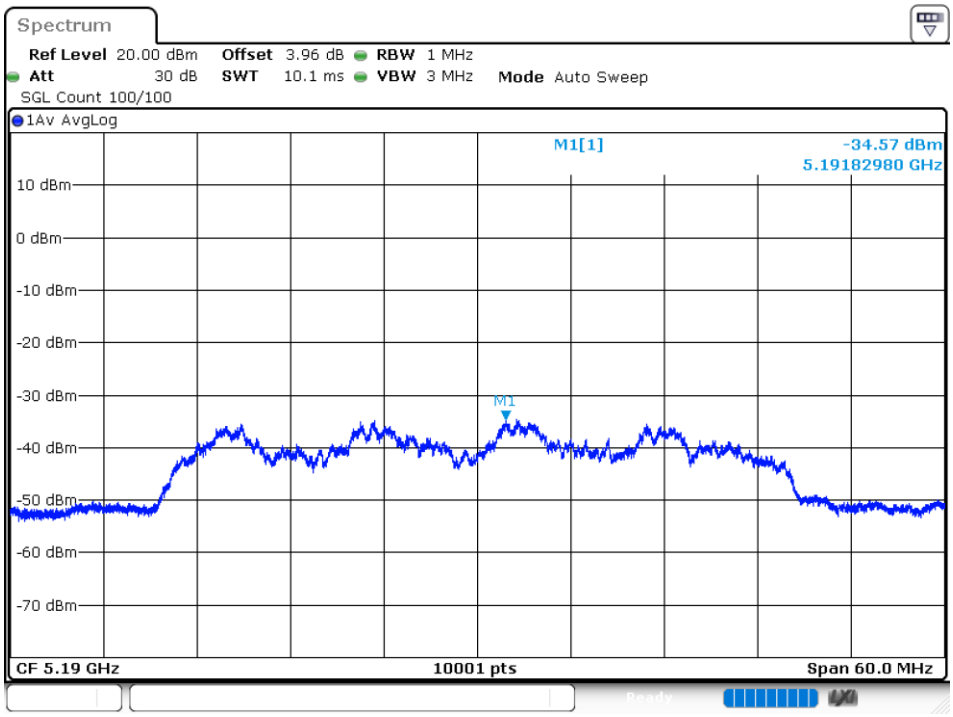
PSD NVNT ax20 5240MHz Ant1



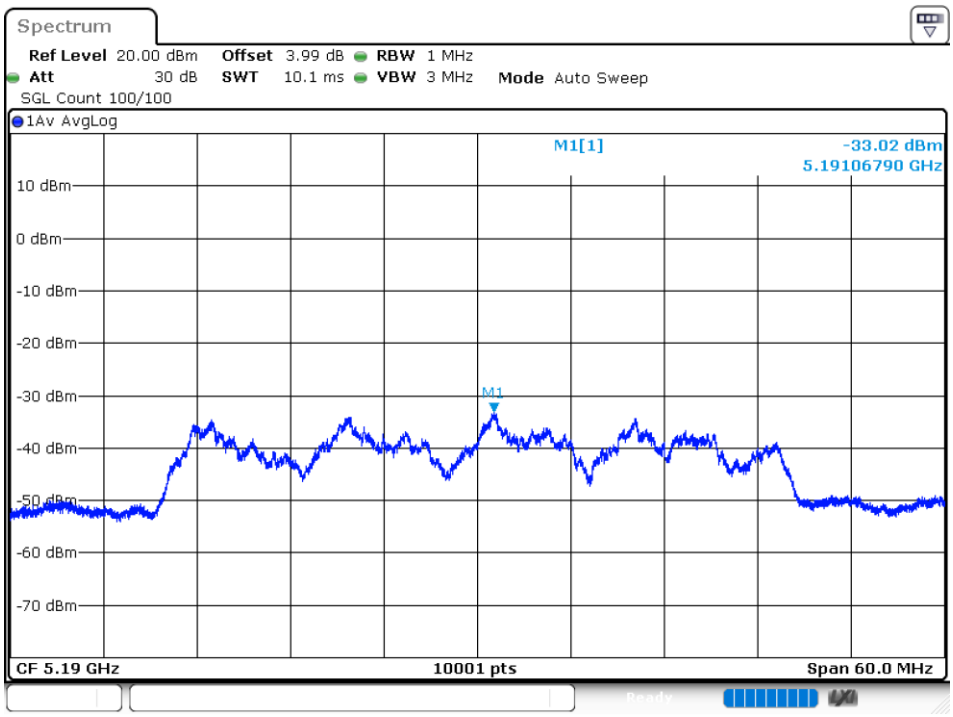
PSD NVNT ax20 5240MHz Ant2



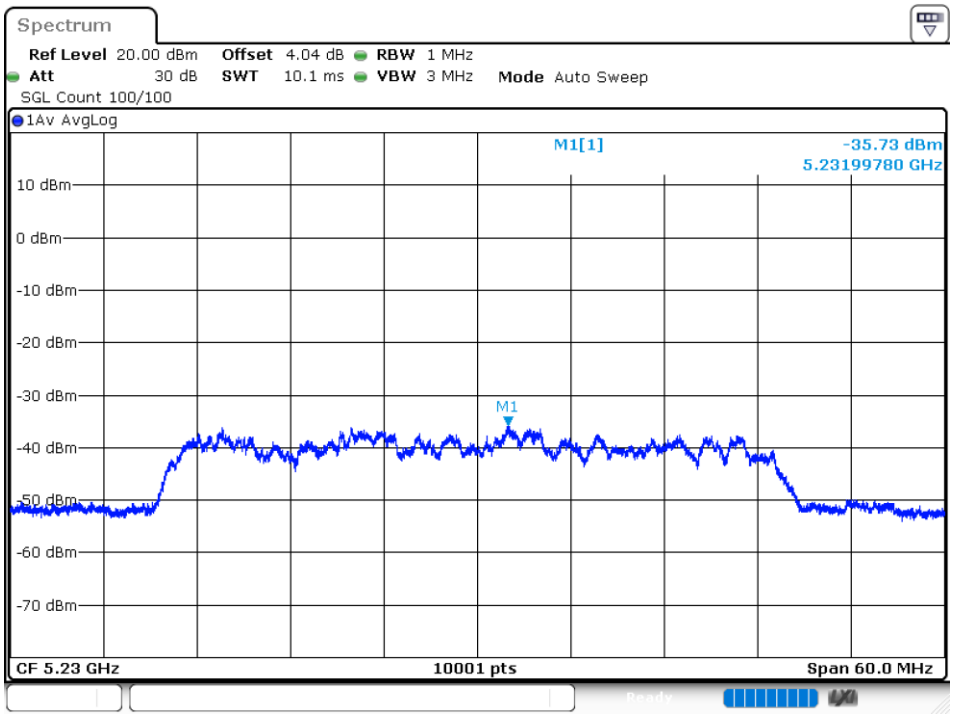
PSD NVNT ax40 5190MHz Ant1



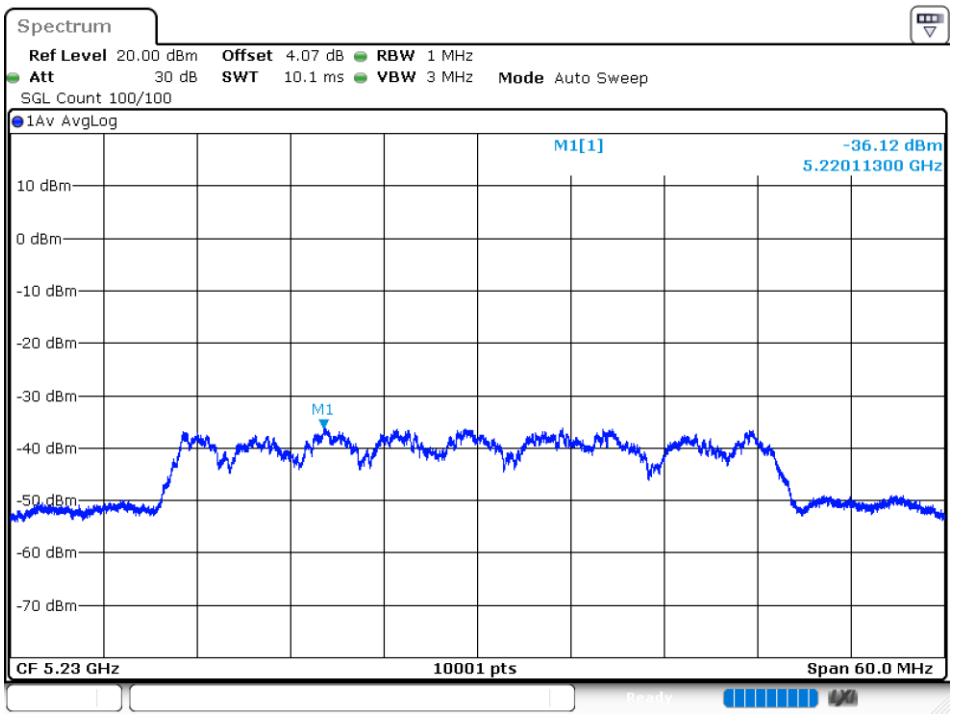
PSD NVNT ax40 5190MHz Ant2



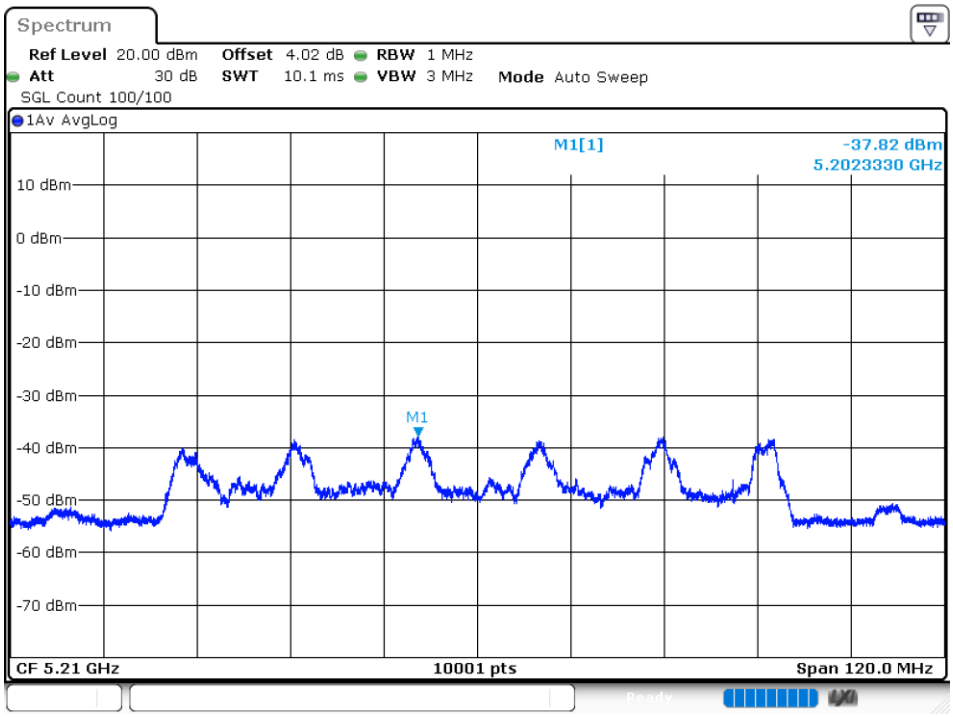
PSD NVNT ax40 5230MHz Ant1



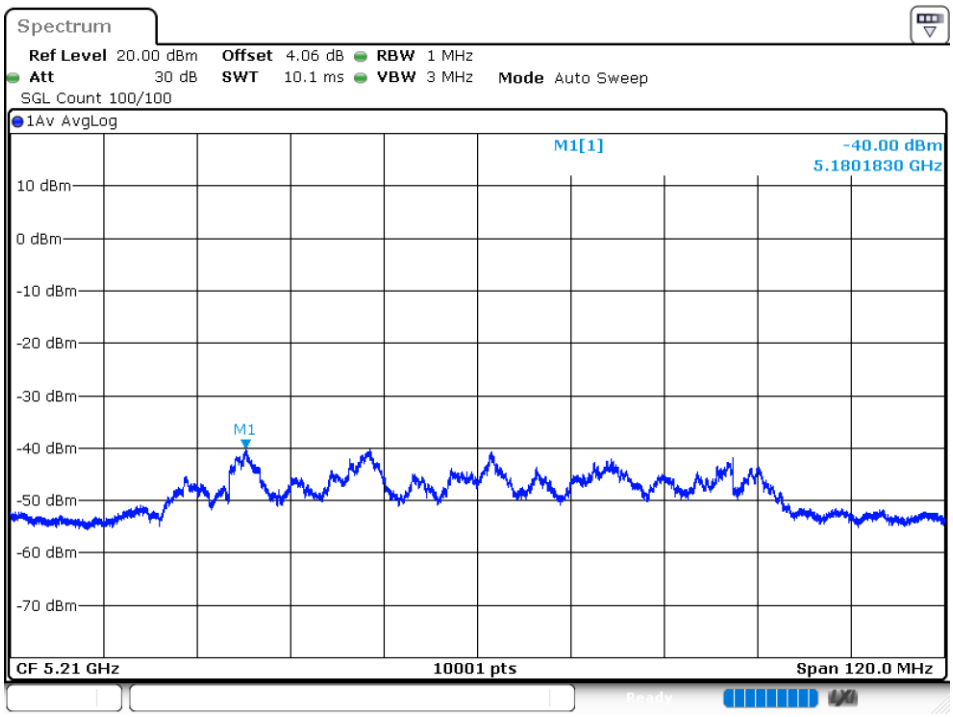
PSD NVNT ax40 5230MHz Ant2



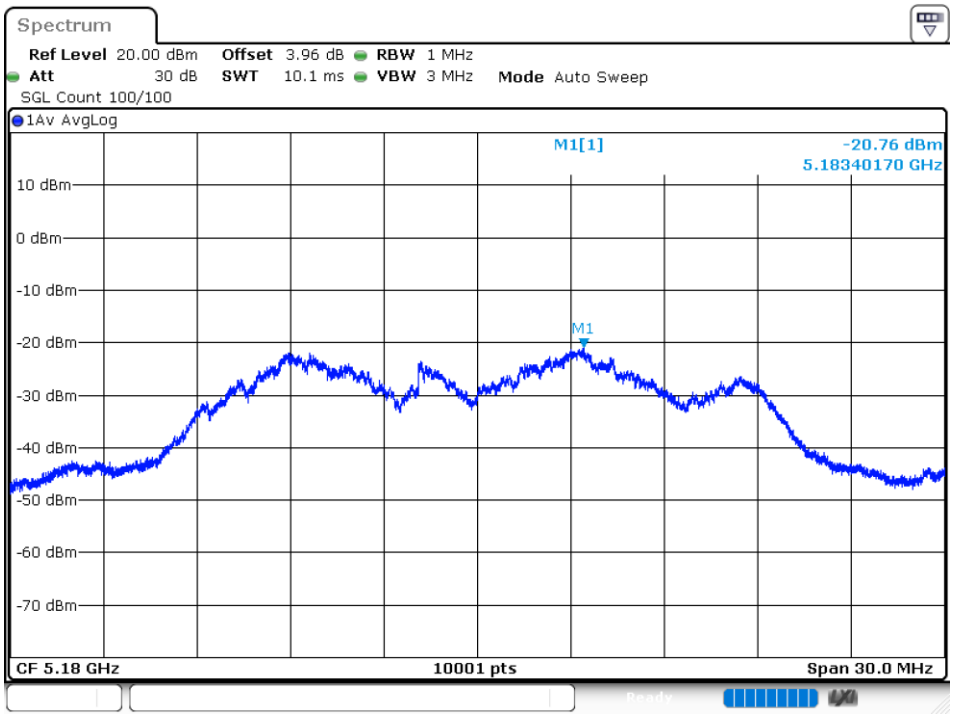
PSD NVNT ax80 5210MHz Ant1



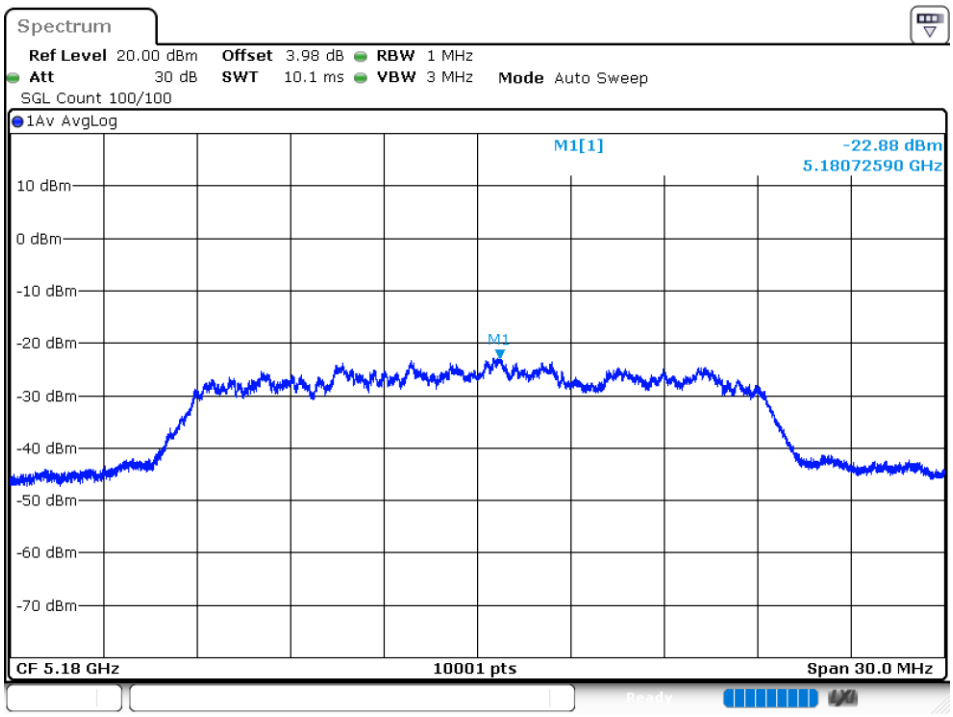
PSD NVNT ax80 5210MHz Ant2



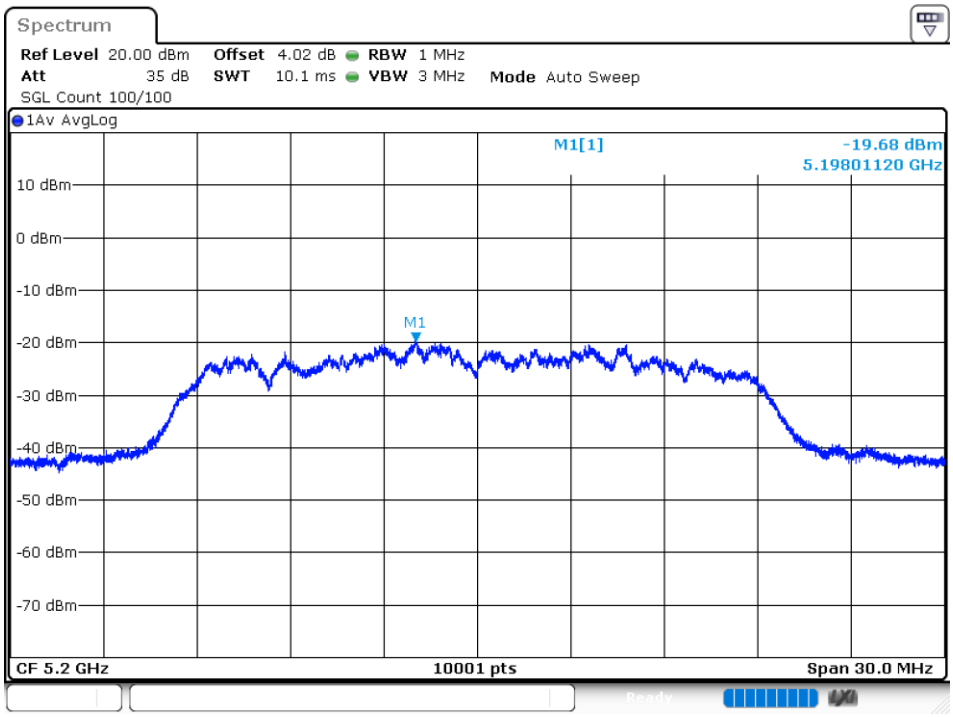
PSD NVNT n20 5180MHz Ant1



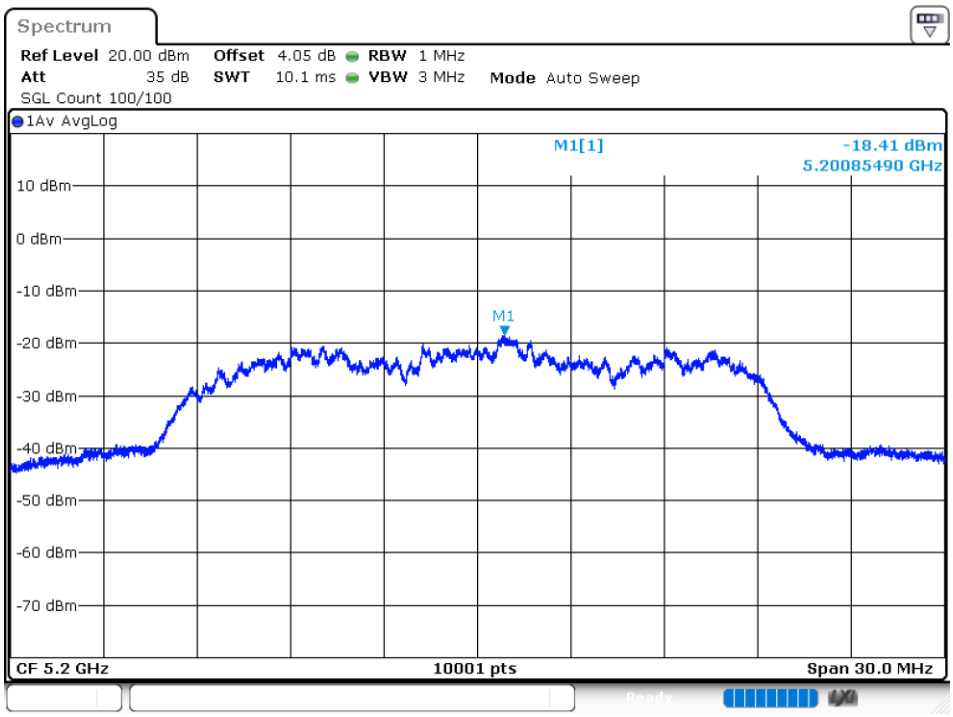
PSD NVNT n20 5180MHz Ant2



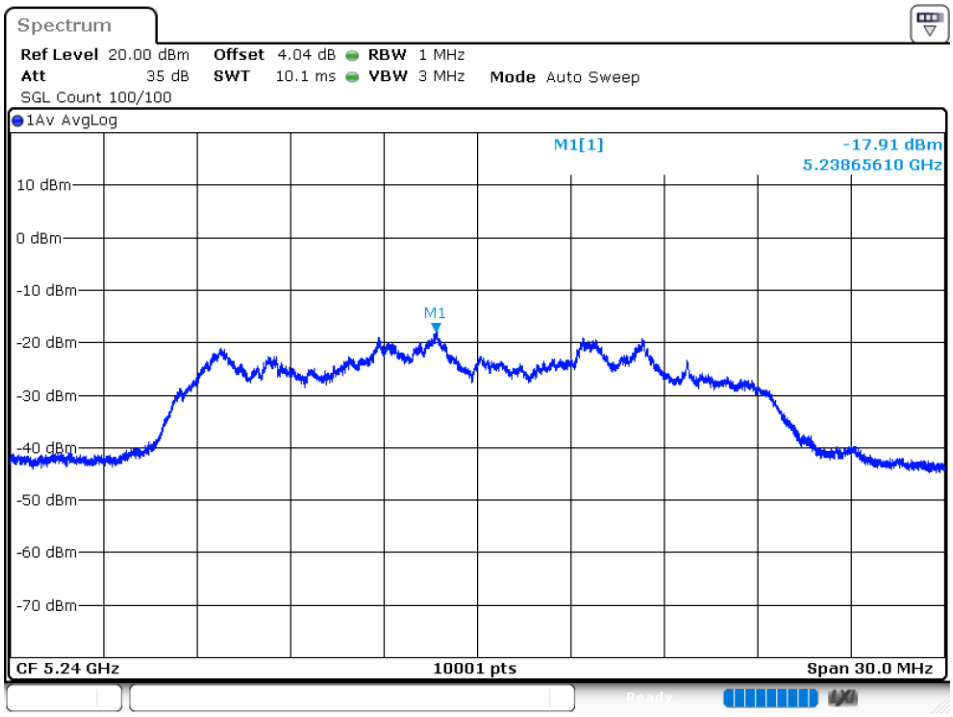
PSD NVNT n20 5200MHz Ant1



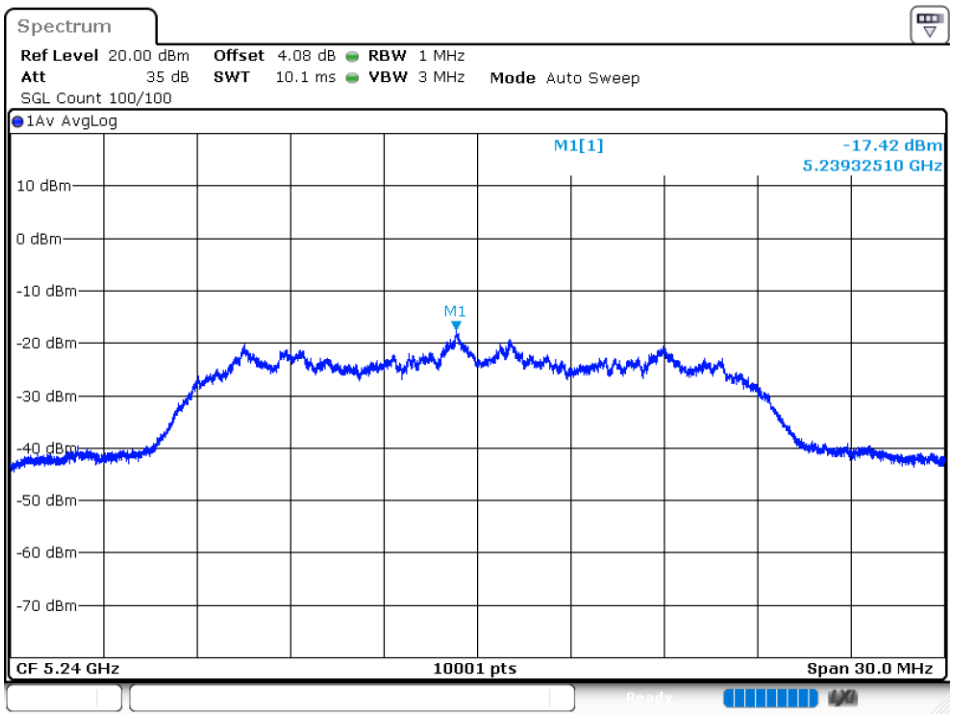
PSD NVNT n20 5200MHz Ant2



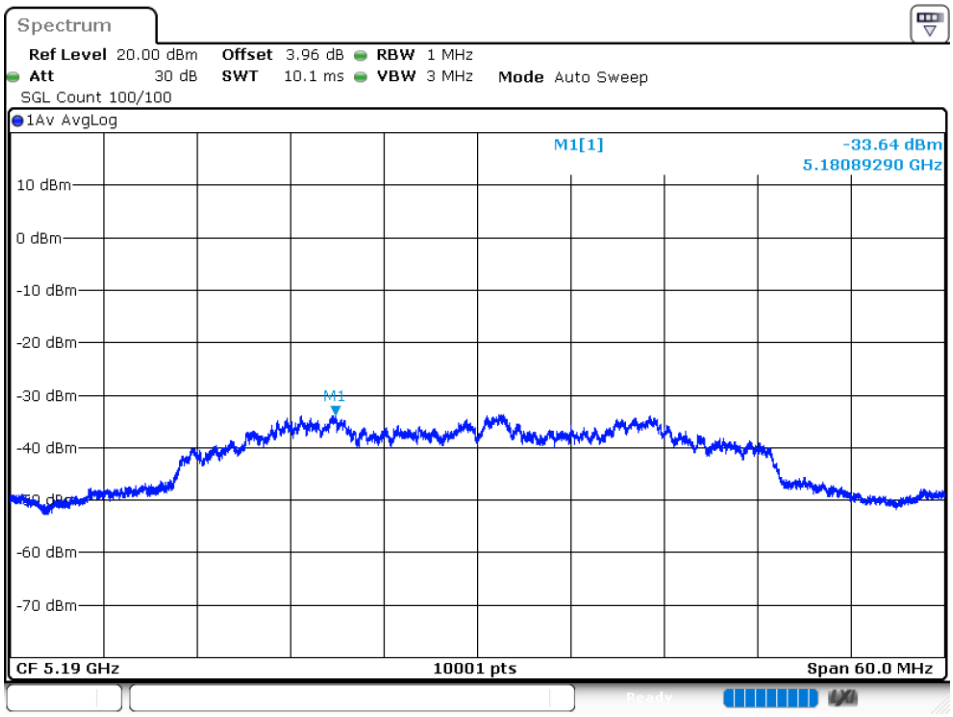
PSD NVNT n20 5240MHz Ant1



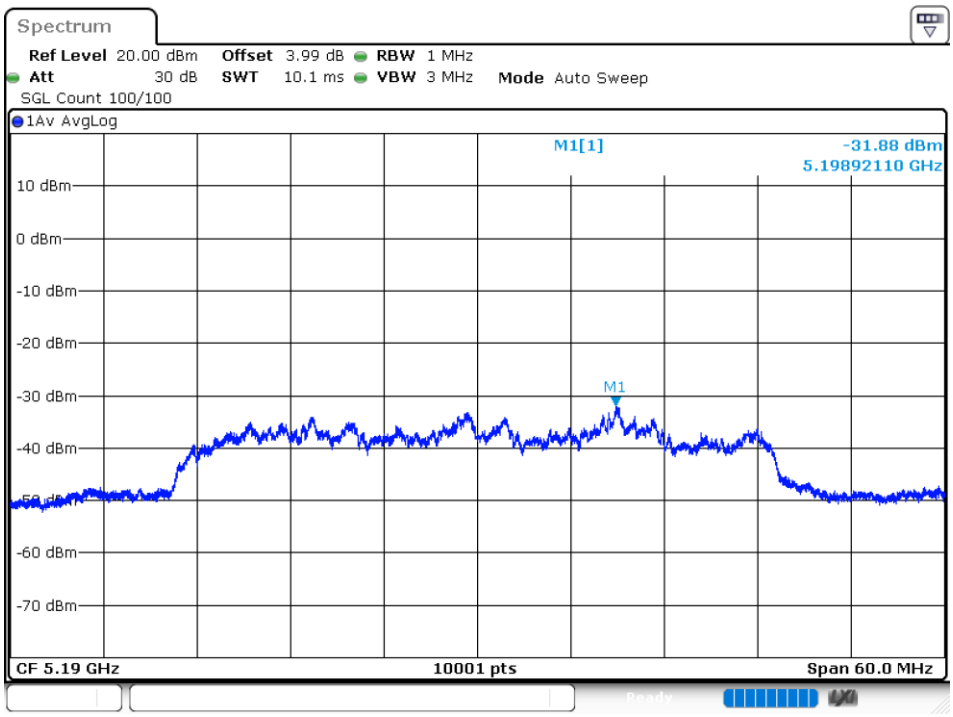
PSD NVNT n20 5240MHz Ant2



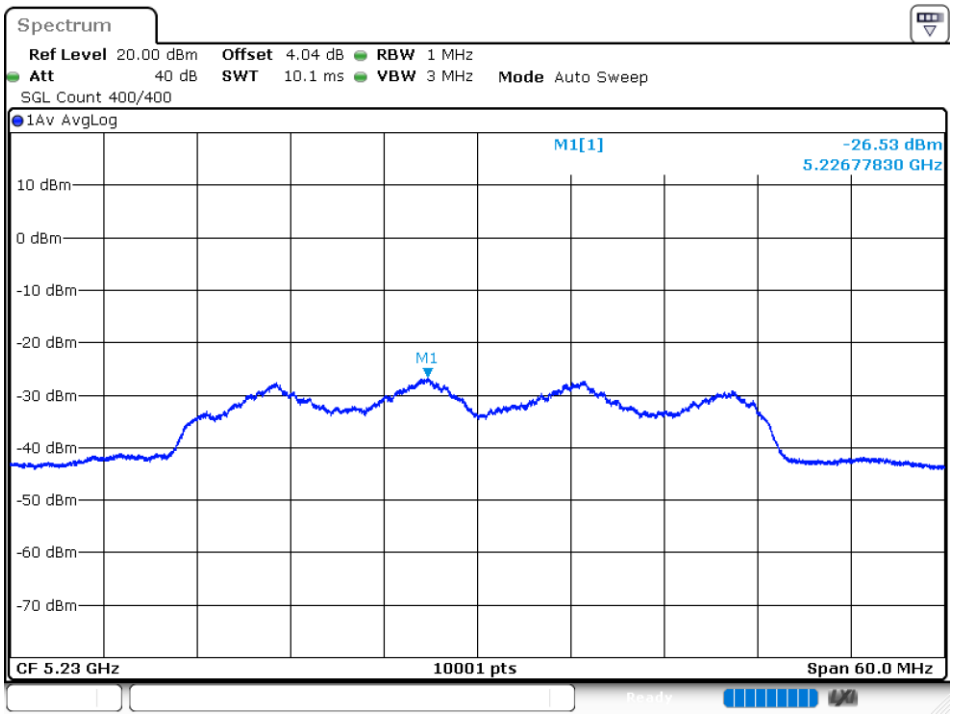
PSD NVNT n40 5190MHz Ant1



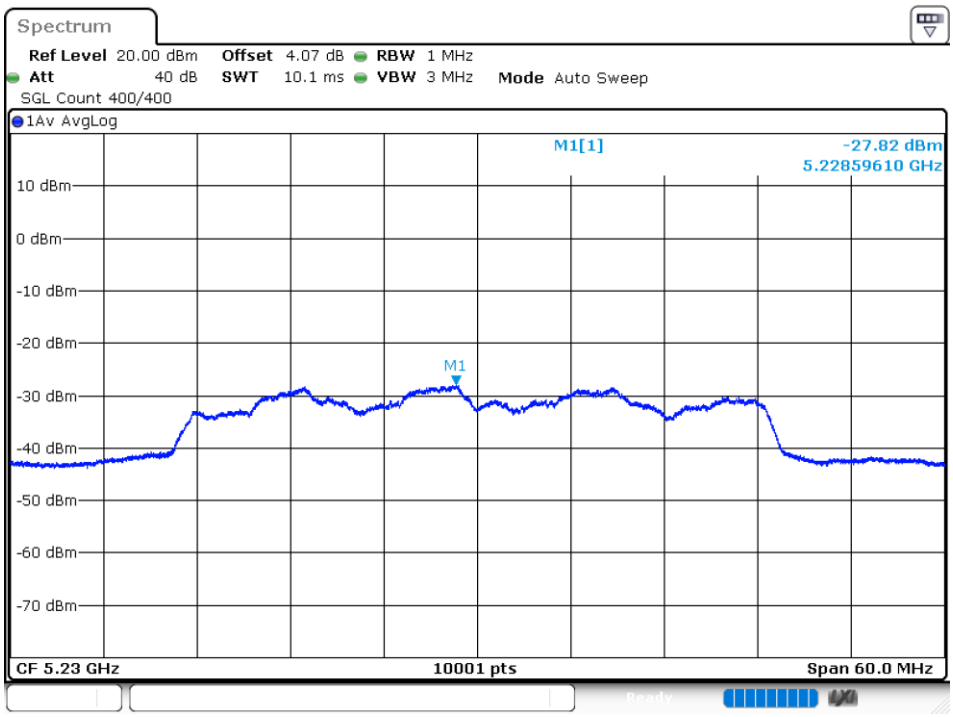
PSD NVNT n40 5190MHz Ant2



PSD NVNT n40 5230MHz Ant1



PSD NVNT n40 5230MHz Ant2

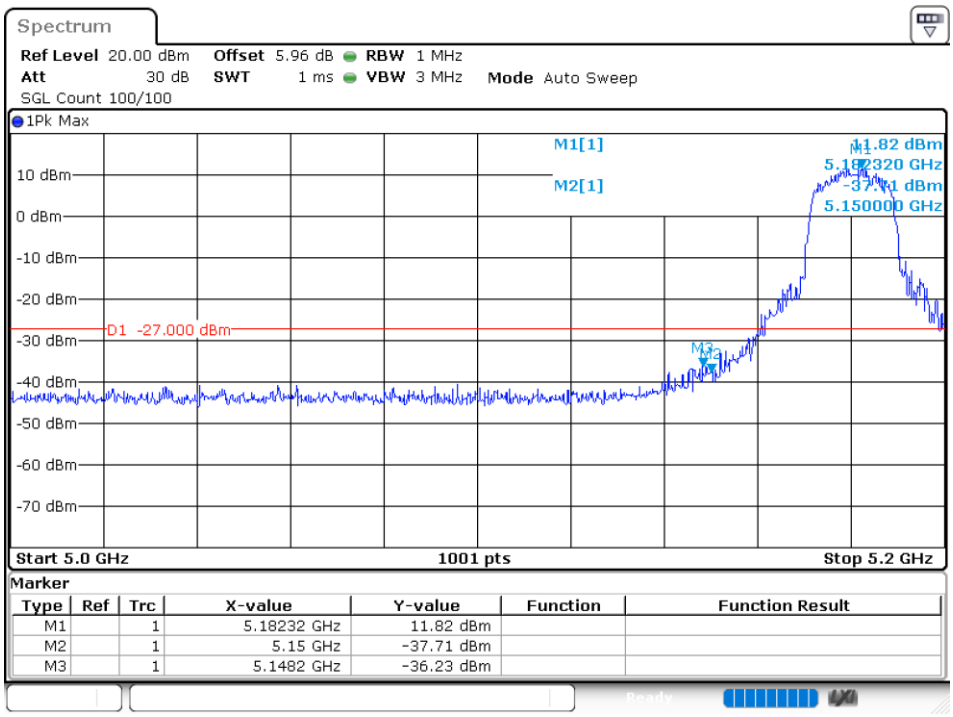


Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ac20	5180	Ant1	-36.22	-27	Pass
NVNT	ac20	5180	Ant2	-35.37	-27	Pass
NVNT	ac20	5240	Ant1	-41.1	-27	Pass
NVNT	ac20	5240	Ant2	-41.07	-27	Pass
NVNT	ac40	5190	Ant1	-31.47	-27	Pass
NVNT	ac40	5190	Ant2	-29.04	-27	Pass
NVNT	ac40	5230	Ant1	-39.91	-27	Pass
NVNT	ac40	5230	Ant2	-40.97	-27	Pass
NVNT	ac80	5210	Ant1	-27.24	-27	Pass
NVNT	ac80	5210	Ant2	-28.46	-27	Pass
NVNT	ac80	5210	Ant1	-44.51	-27	Pass
NVNT	ac80	5210	Ant2	-41.96	-27	Pass
NVNT	ax20	5180	Ant1	-37.92	-27	Pass
NVNT	ax20	5180	Ant2	-35.44	-27	Pass
NVNT	ax20	5240	Ant1	-40.42	-27	Pass
NVNT	ax20	5240	Ant2	-40.66	-27	Pass
NVNT	ax40	5190	Ant1	-30.72	-27	Pass
NVNT	ax40	5190	Ant2	-31.61	-27	Pass
NVNT	ax40	5230	Ant1	-41.26	-27	Pass
NVNT	ax40	5230	Ant2	-41.73	-27	Pass
NVNT	ax80	5210	Ant1	-29.23	-27	Pass
NVNT	ax80	5210	Ant2	-27.91	-27	Pass
NVNT	ax80	5210	Ant1	-43.41	-27	Pass
NVNT	ax80	5210	Ant2	-44.64	-27	Pass
NVNT	n20	5180	Ant1	-32.43	-27	Pass
NVNT	n20	5180	Ant2	-33.59	-27	Pass
NVNT	n20	5240	Ant1	-40.7	-27	Pass
NVNT	n20	5240	Ant2	-41.14	-27	Pass
NVNT	n40	5190	Ant1	-29.74	-27	Pass
NVNT	n40	5190	Ant2	-30.02	-27	Pass
NVNT	n40	5230	Ant1	-45.58	-27	Pass
NVNT	n40	5230	Ant2	-44.07	-27	Pass

Test Graphs

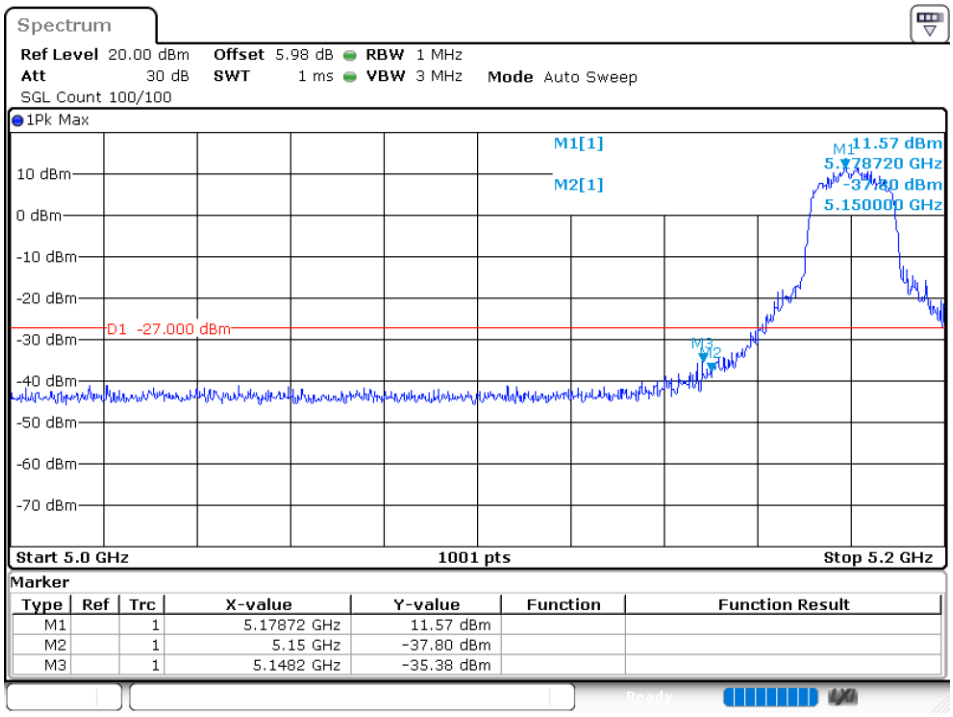
Band Edge NVNT ac20 5180MHz Low Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.18232 GHz	11.82 dBm		
M2		1	5.15 GHz	-37.71 dBm		
M3		1	5.1482 GHz	-36.23 dBm		

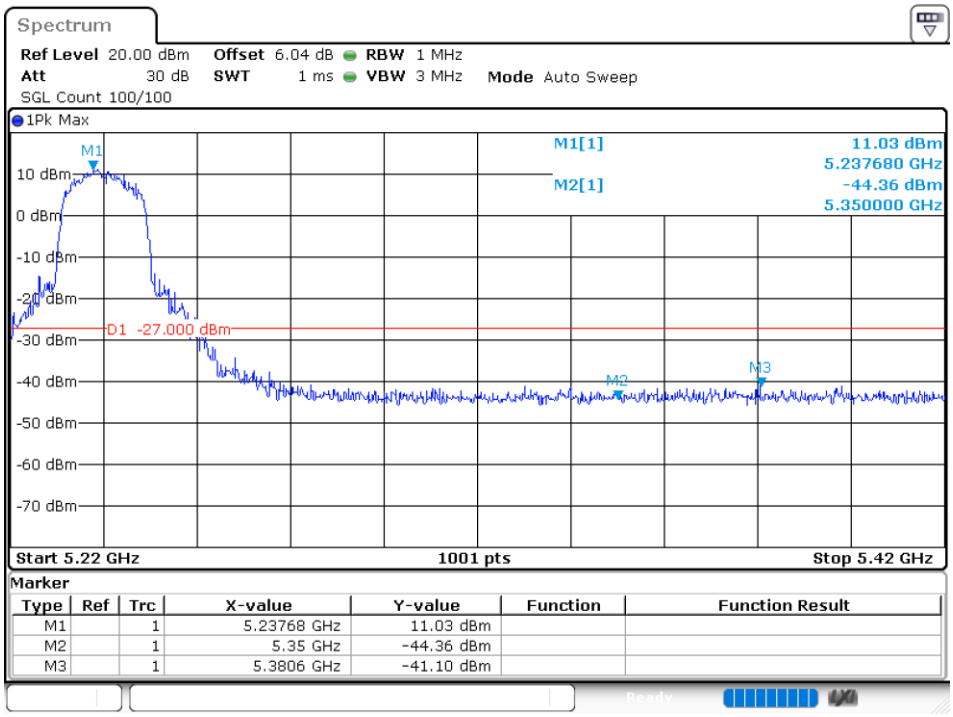
Band Edge NVNT ac20 5180MHz Low Ant2



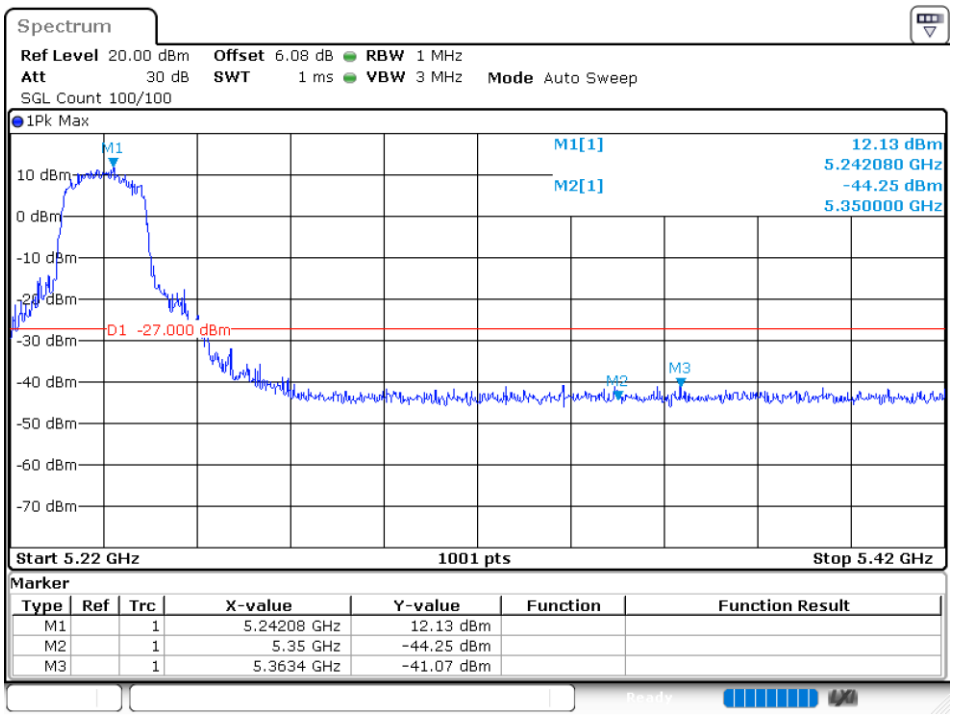
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.17872 GHz	11.57 dBm		
M2		1	5.15 GHz	-37.80 dBm		
M3		1	5.1482 GHz	-35.38 dBm		

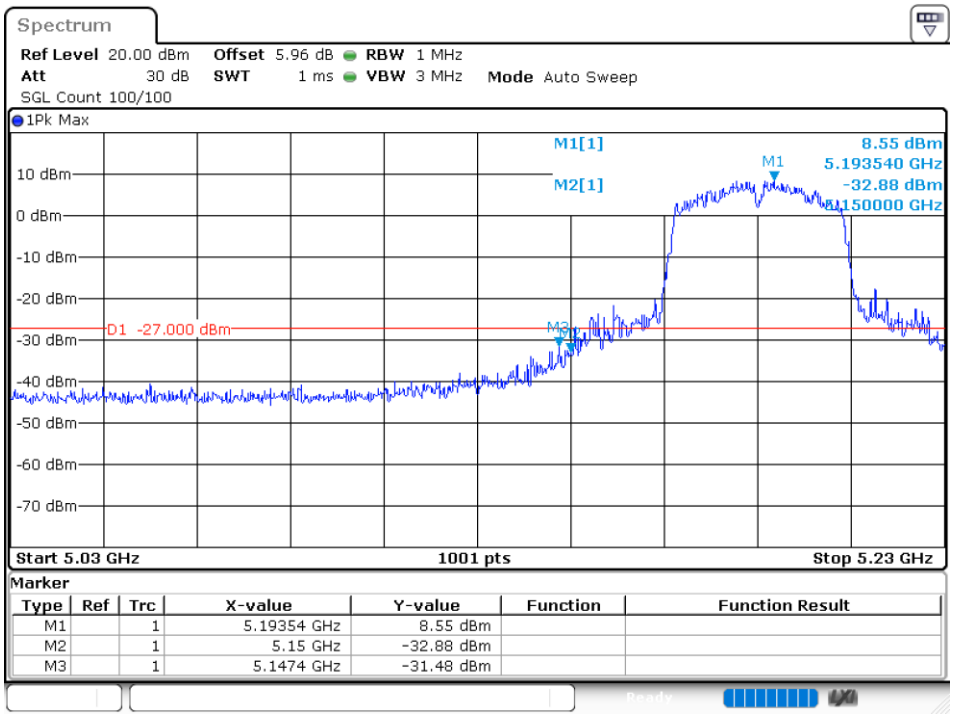
Band Edge NVNT ac20 5240MHz High Ant1



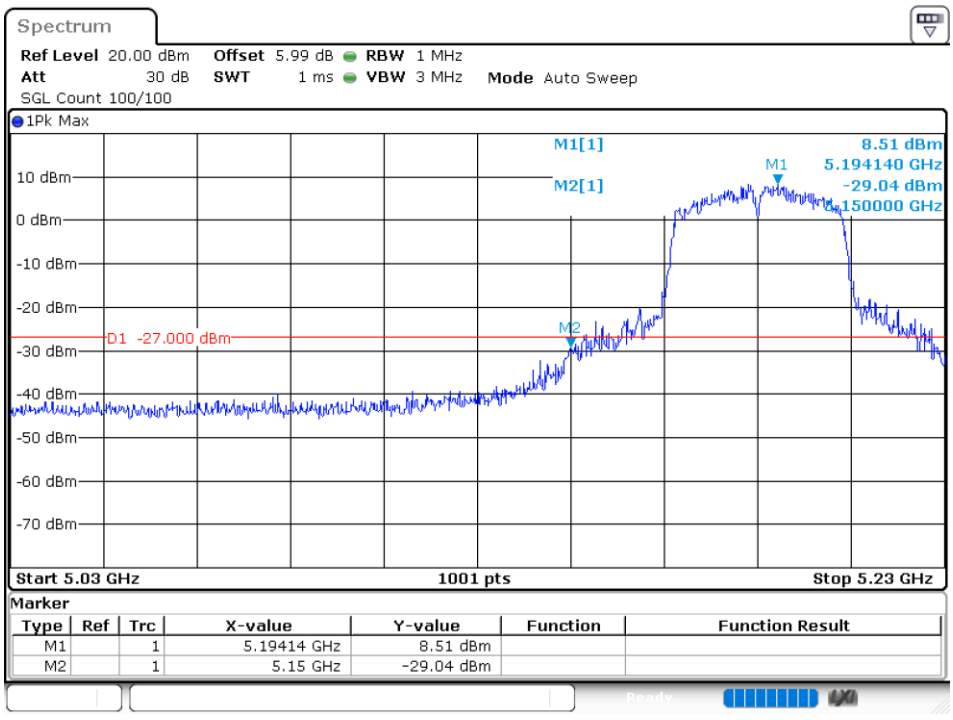
Band Edge NVNT ac20 5240MHz High Ant2



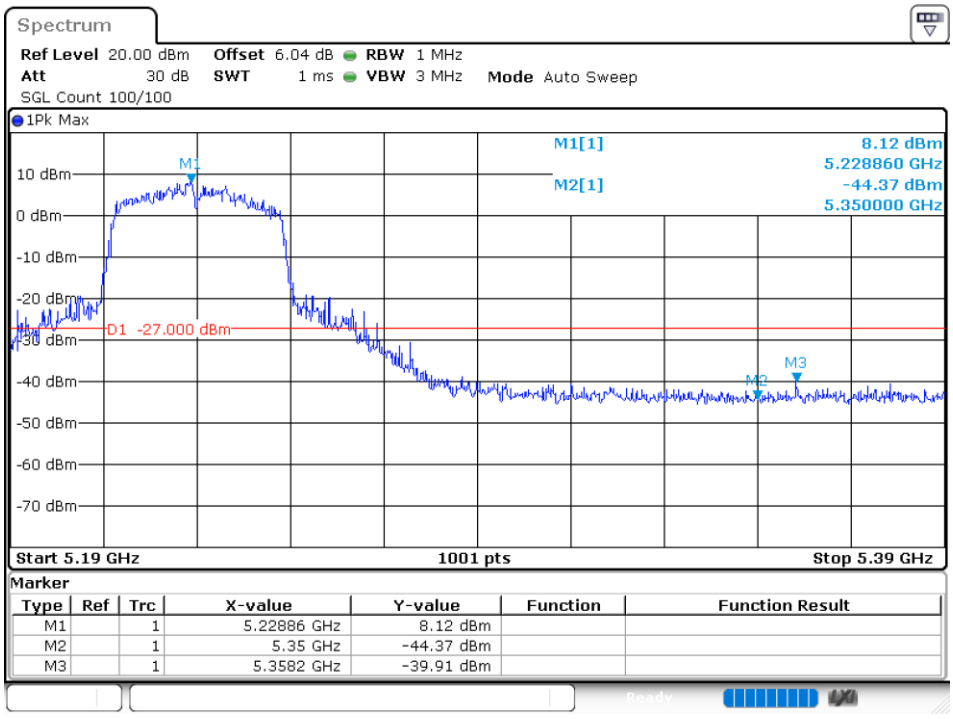
Band Edge NVNT ac40 5190MHz Low Ant1



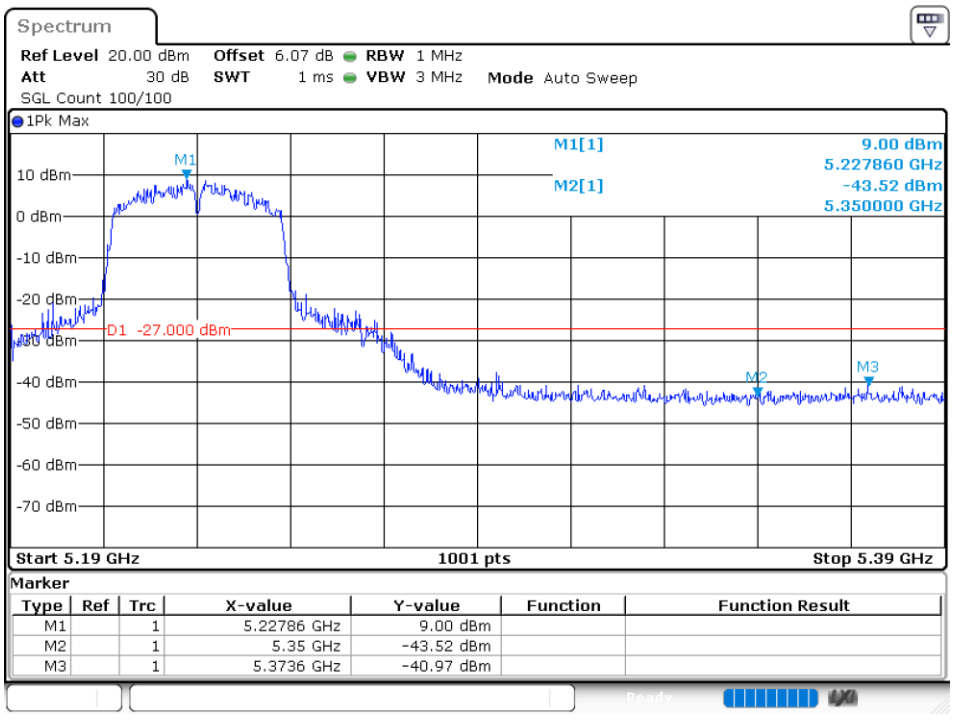
Band Edge NVNT ac40 5190MHz Low Ant2



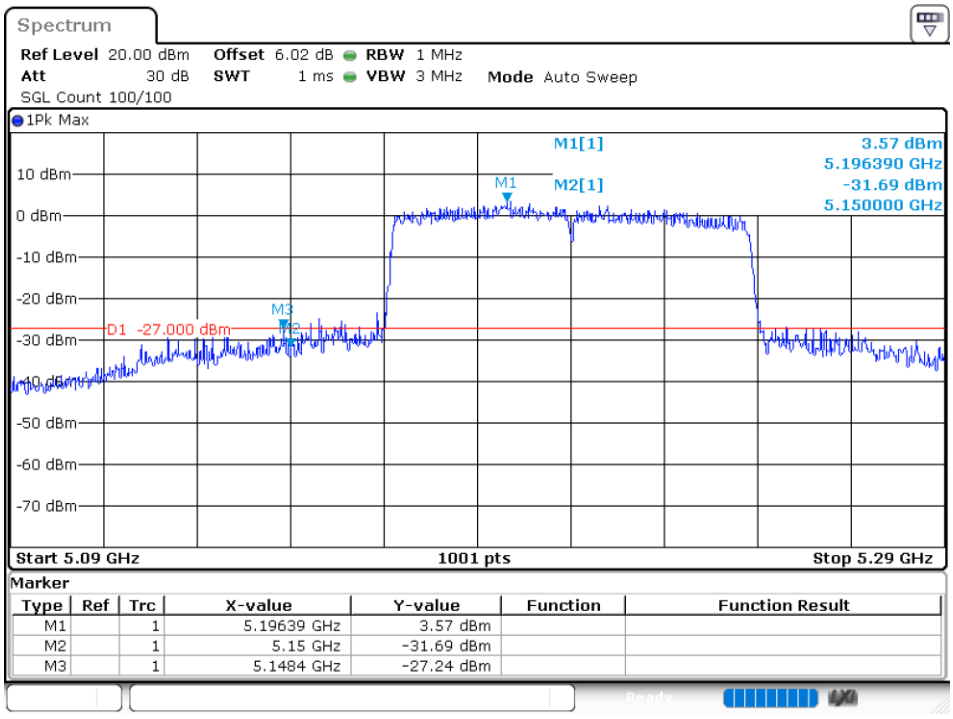
Band Edge NVNT ac40 5230MHz High Ant1



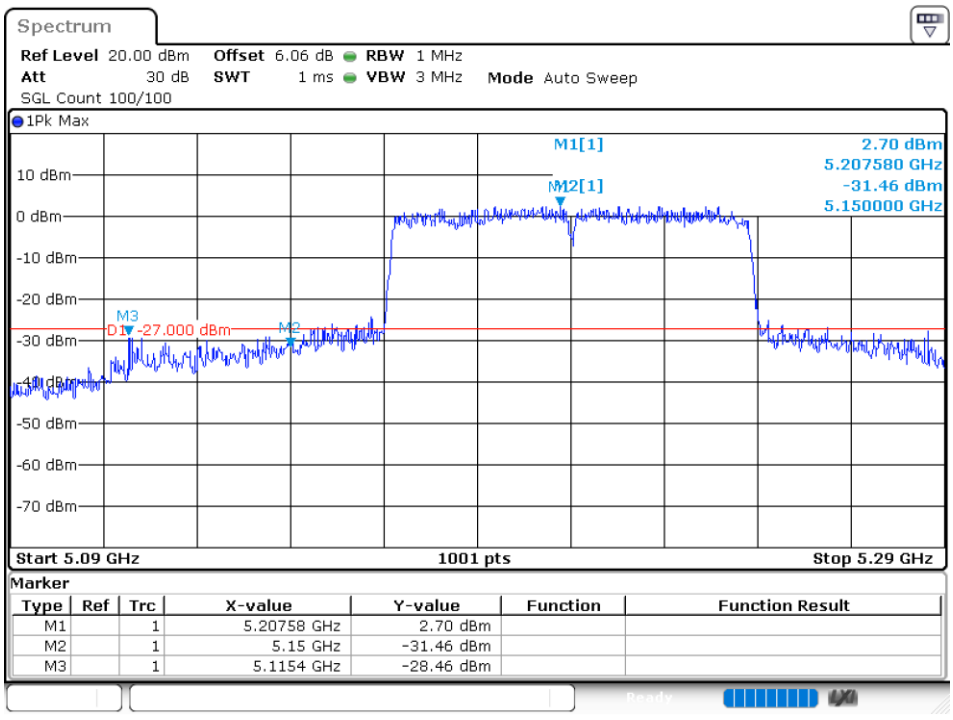
Band Edge NVNT ac40 5230MHz High Ant2



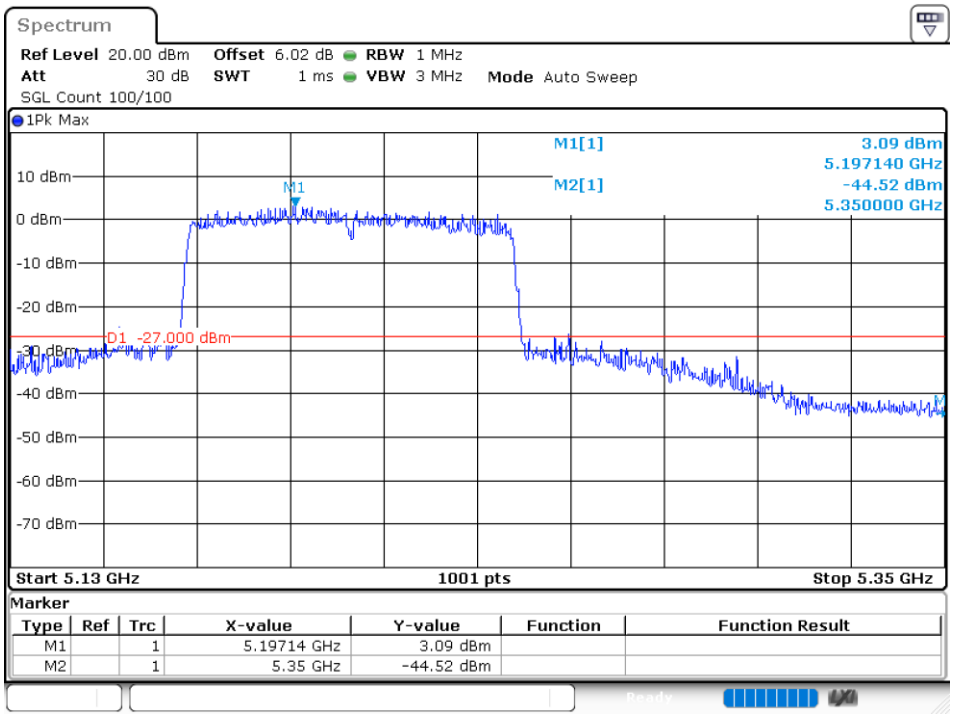
Band Edge NVNT ac80 5210MHz Low Ant1



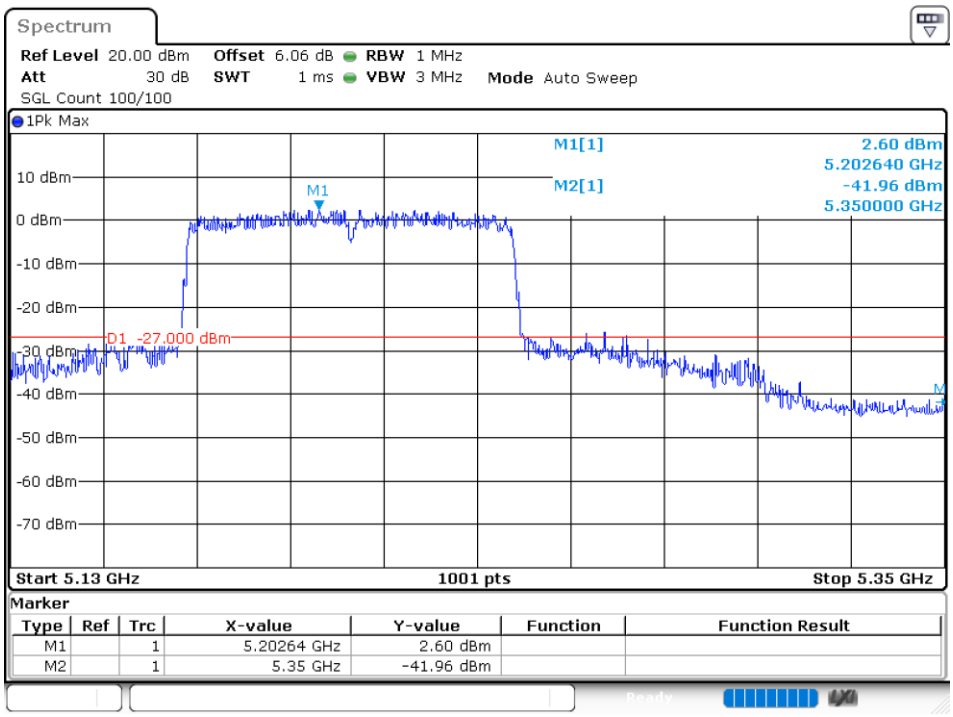
Band Edge NVNT ac80 5210MHz Low Ant2



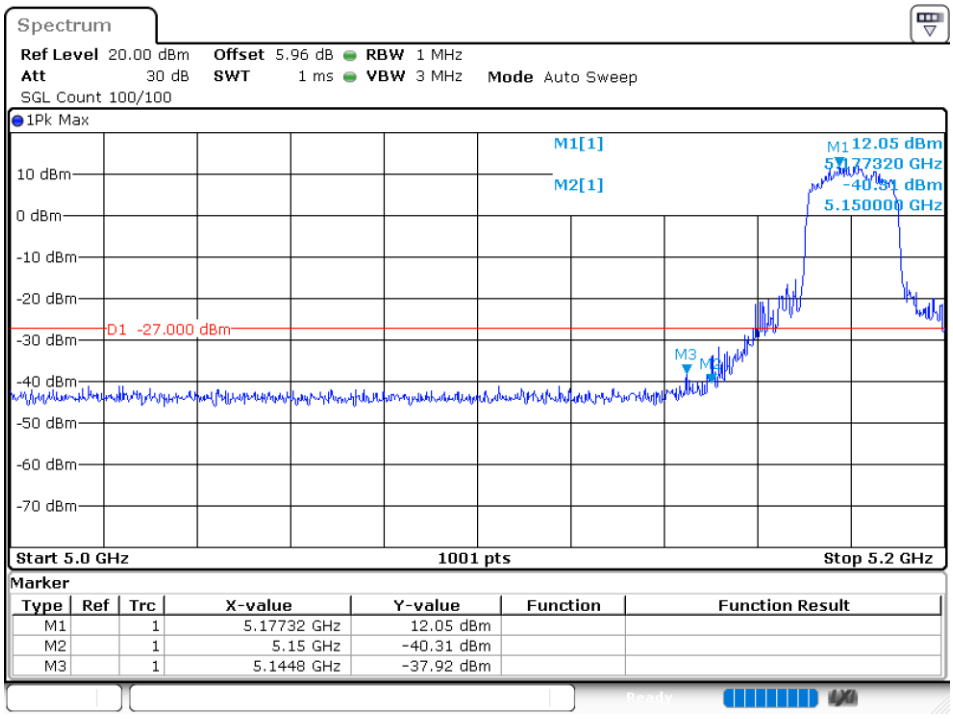
Band Edge NVNT ac80 5210MHz High Ant1



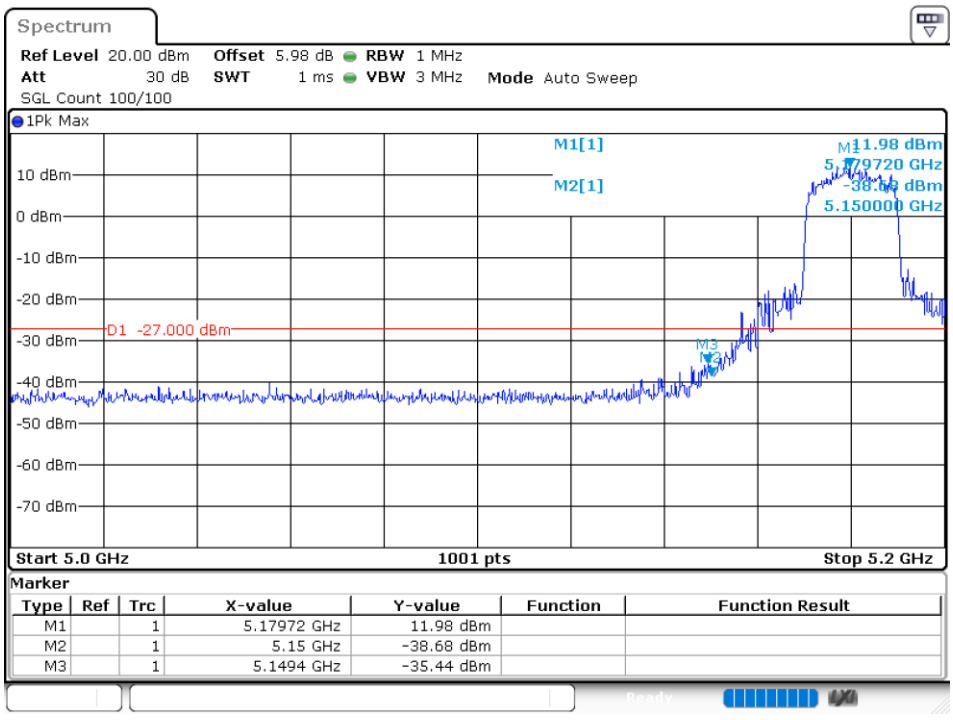
Band Edge NVNT ac80 5210MHz High Ant2



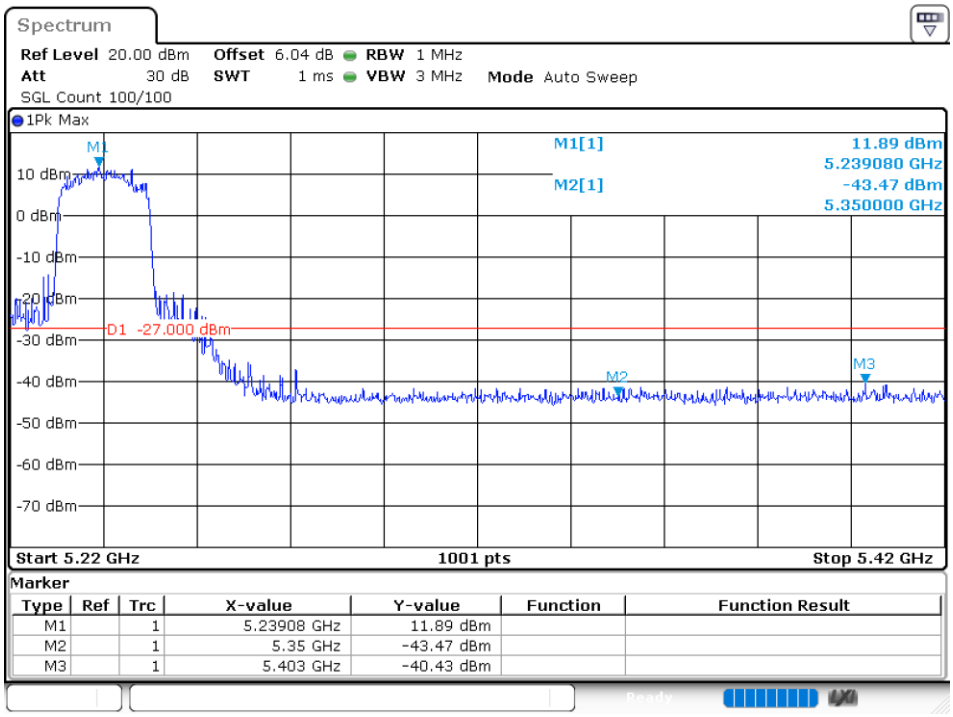
Band Edge NVNT ax20 5180MHz Low Ant1



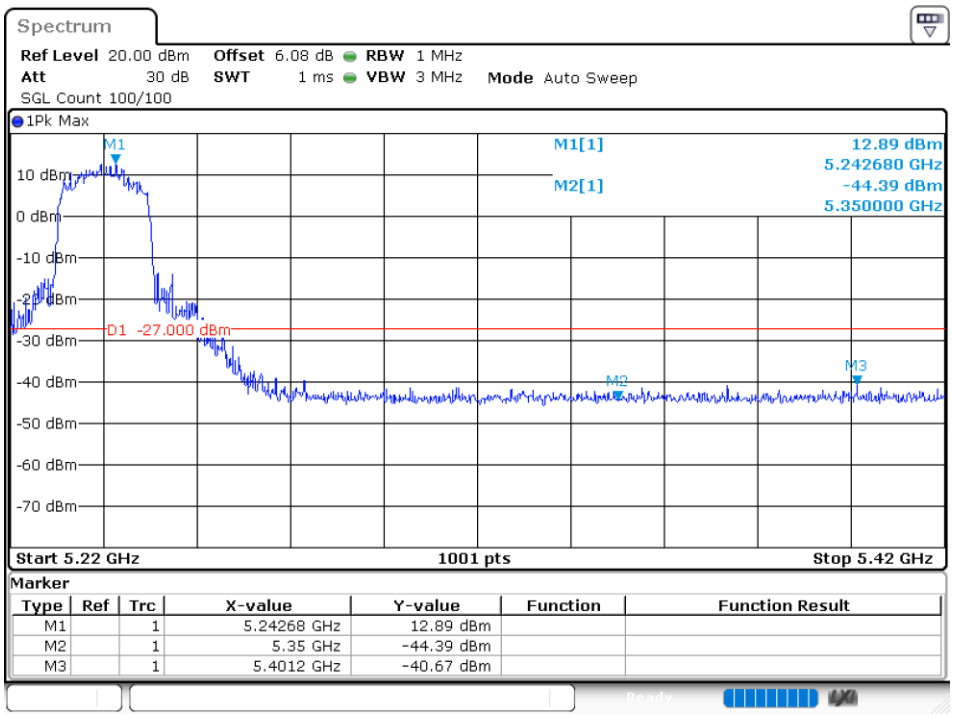
Band Edge NVNT ax20 5180MHz Low Ant2



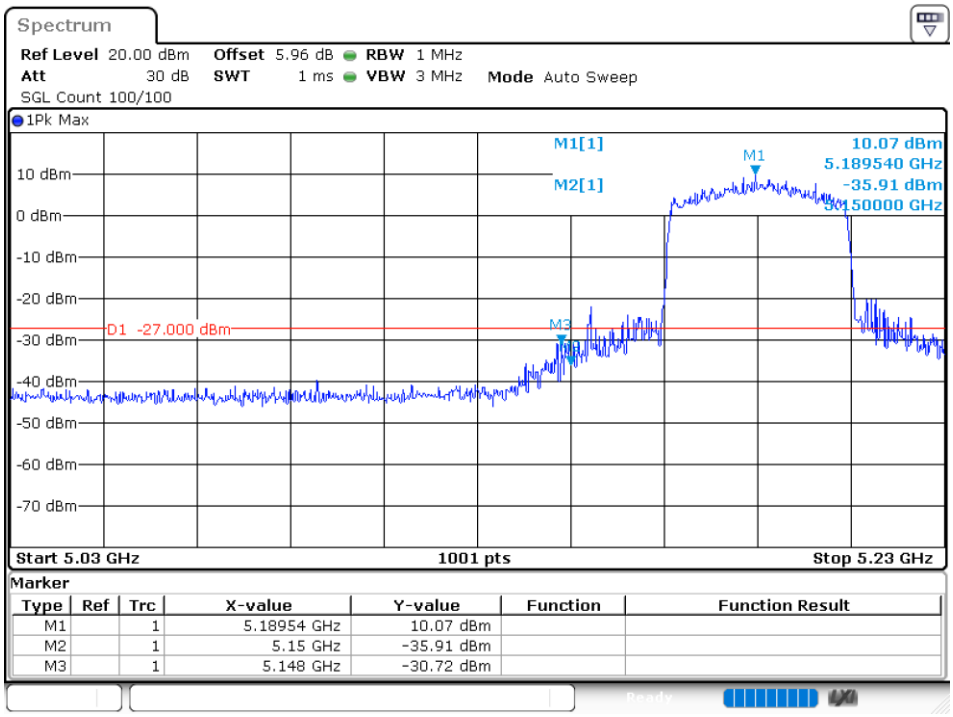
Band Edge NVNT ax20 5240MHz High Ant1



Band Edge NVNT ax20 5240MHz High Ant2



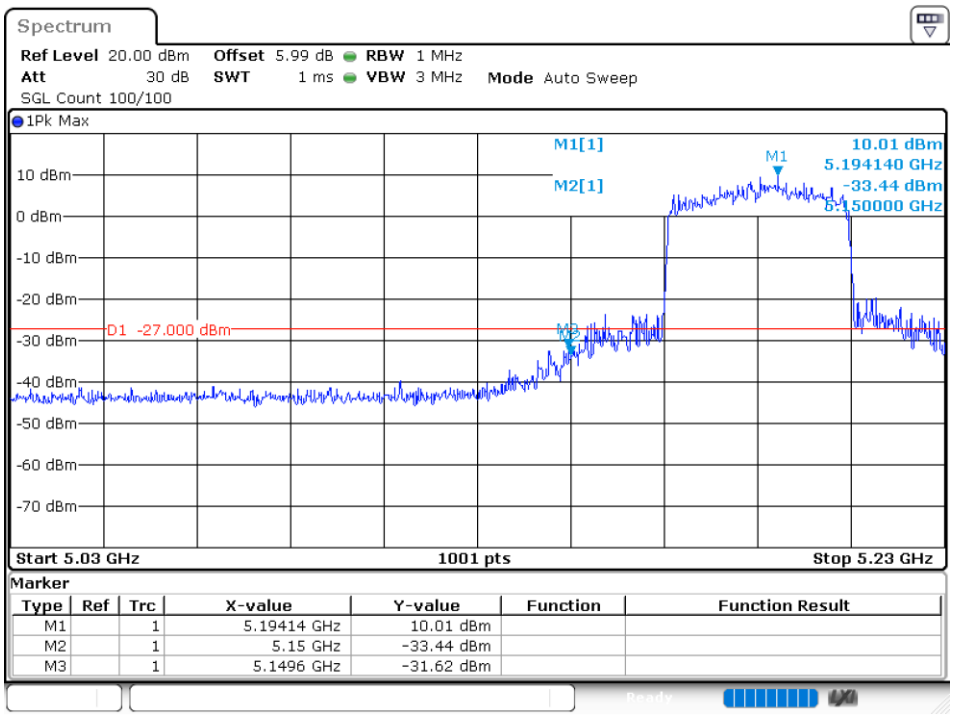
Band Edge NVNT ax40 5190MHz Low Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.18954 GHz	10.07 dBm		
M2		1	5.15 GHz	-35.91 dBm		
M3		1	5.148 GHz	-30.72 dBm		

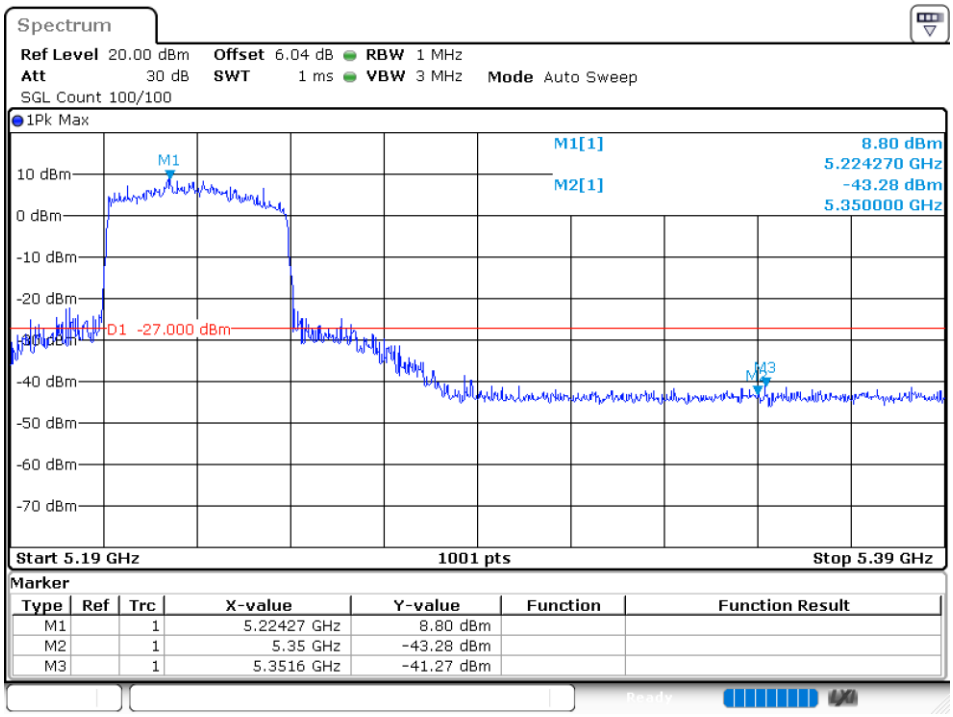
Band Edge NVNT ax40 5190MHz Low Ant2



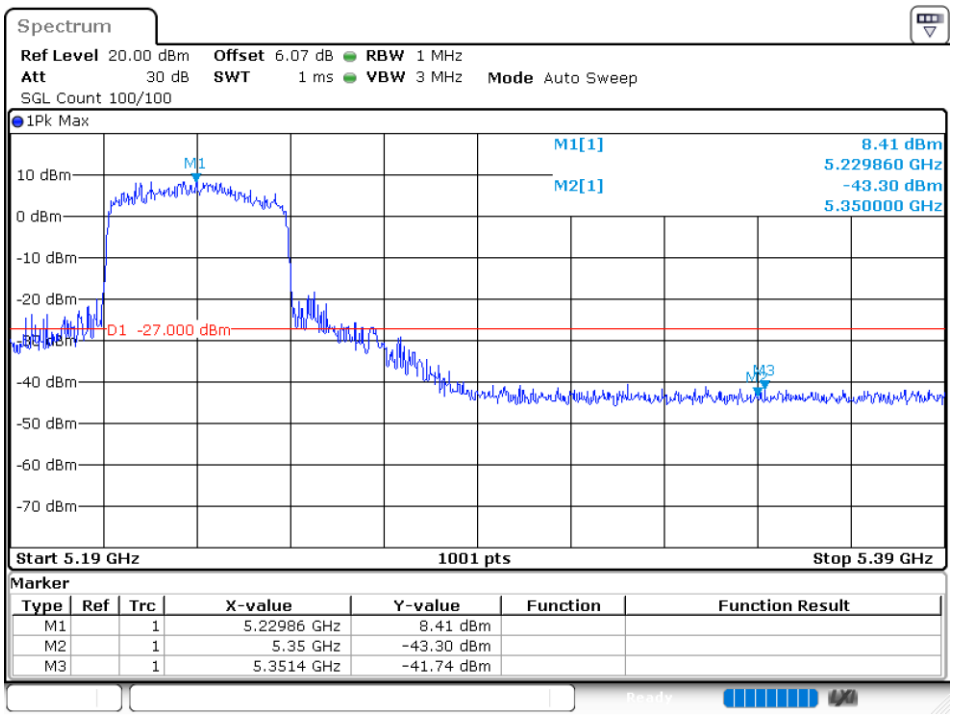
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.19414 GHz	10.01 dBm		
M2		1	5.15 GHz	-33.44 dBm		
M3		1	5.1496 GHz	-31.62 dBm		

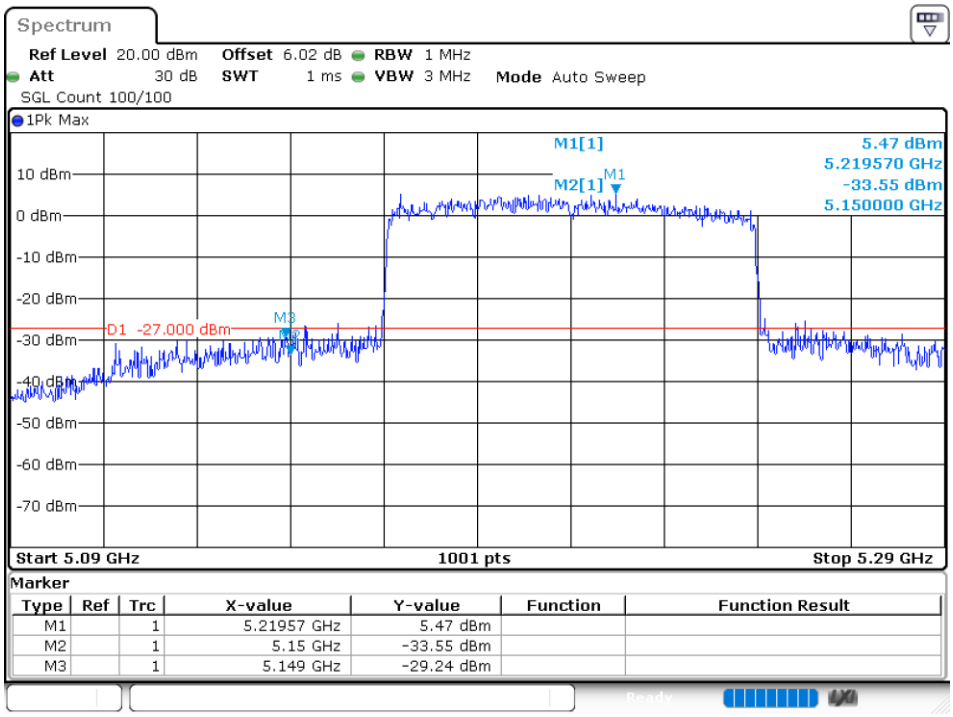
Band Edge NVNT ax40 5230MHz High Ant1



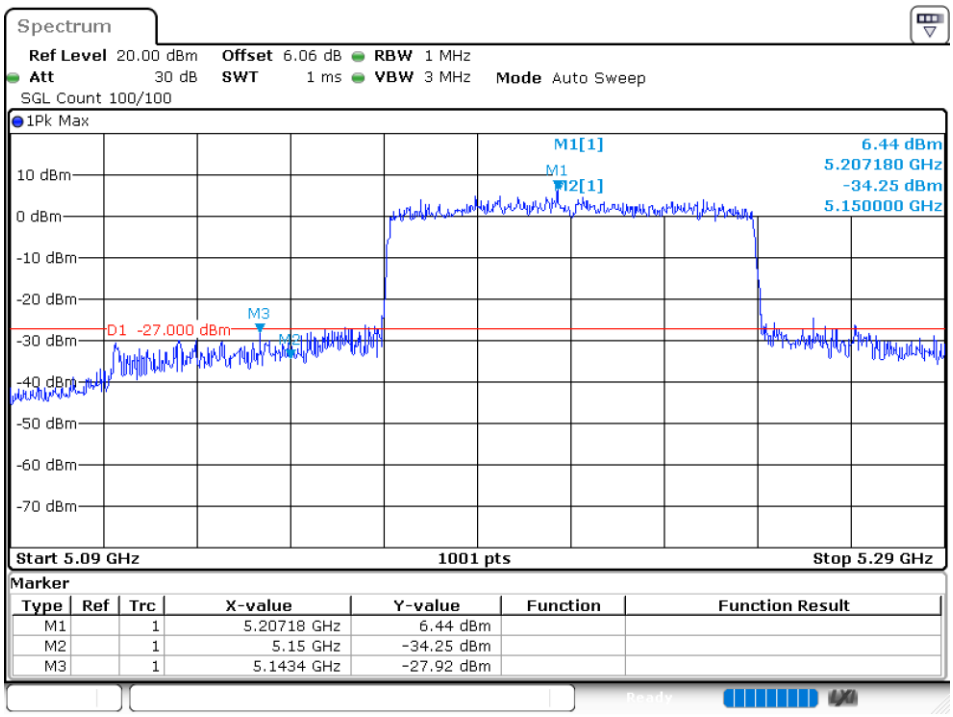
Band Edge NVNT ax40 5230MHz High Ant2



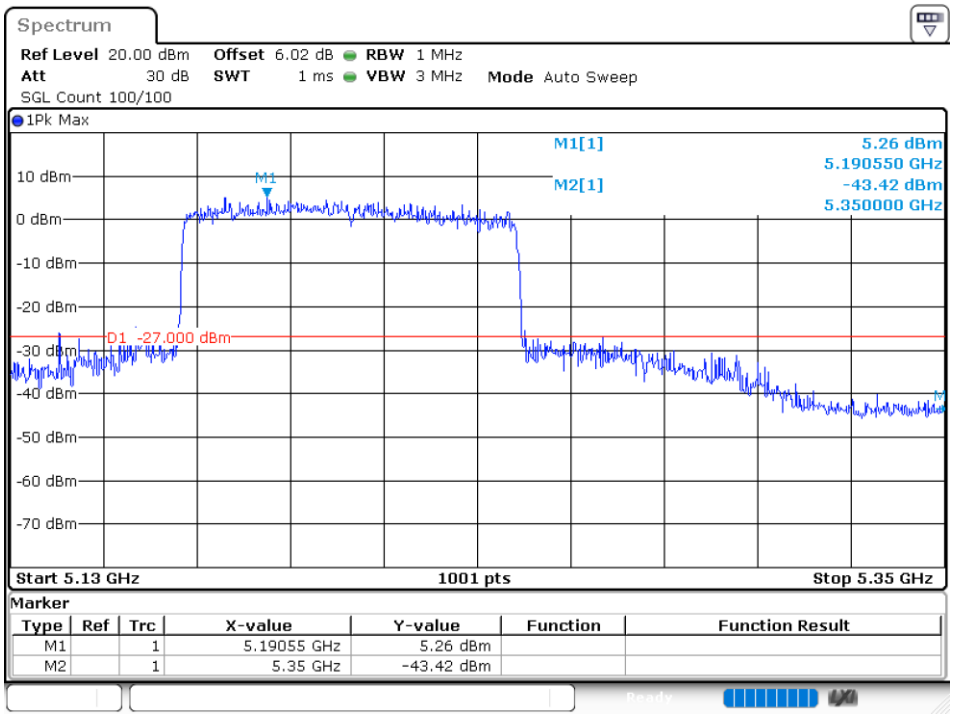
Band Edge NVNT ax80 5210MHz Low Ant1



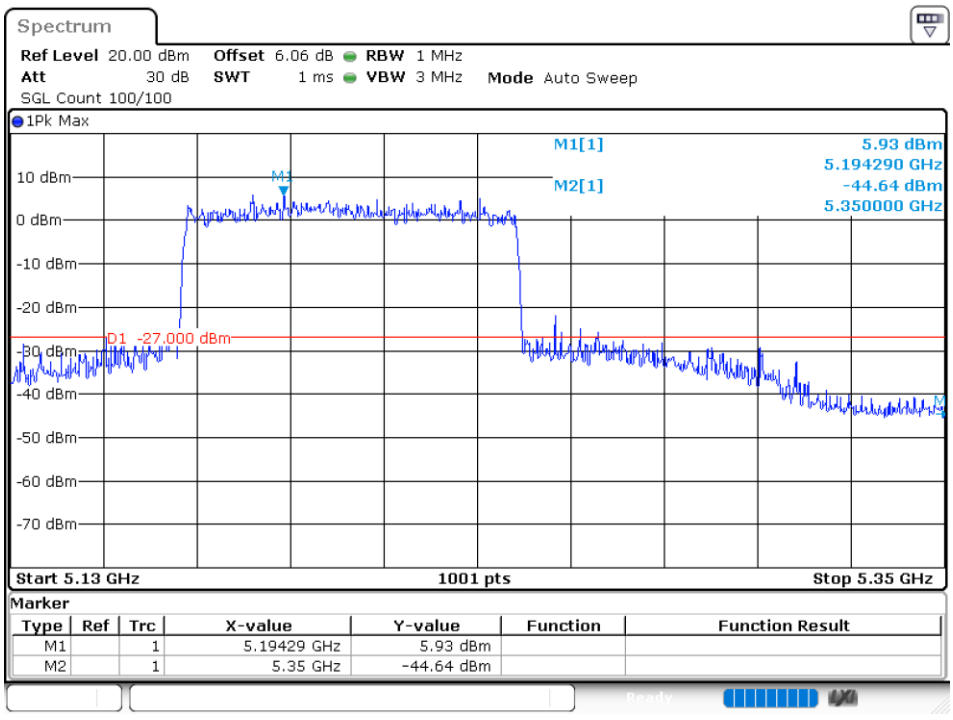
Band Edge NVNT ax80 5210MHz Low Ant2



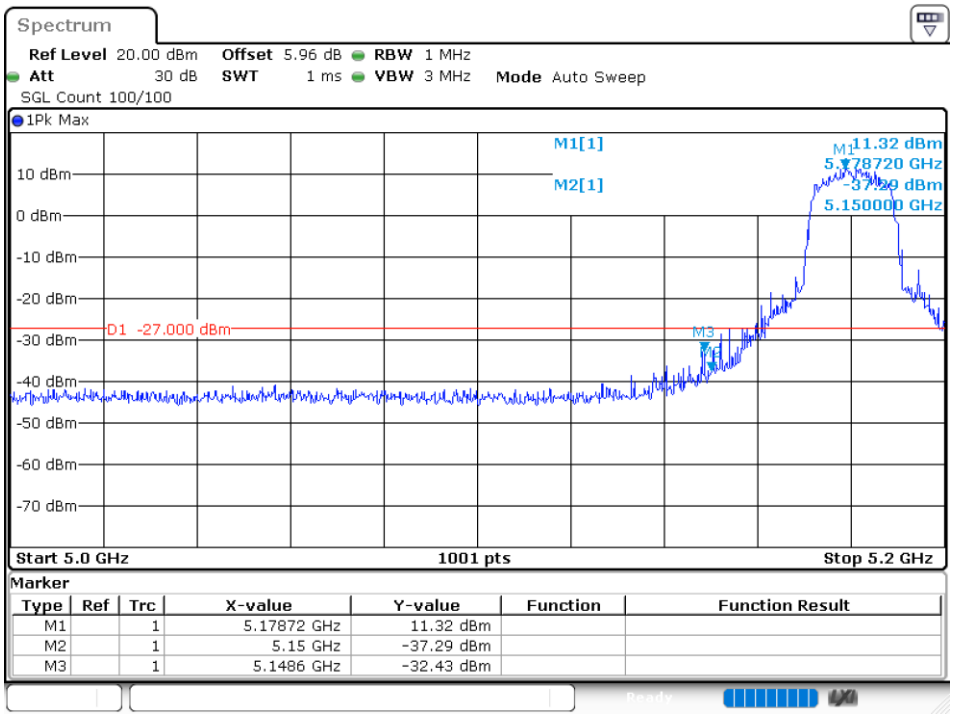
Band Edge NVNT ax80 5210MHz High Ant1



Band Edge NVNT ax80 5210MHz High Ant2



Band Edge NVNT n20 5180MHz Low Ant1



Band Edge NVNT n20 5180MHz Low Ant2