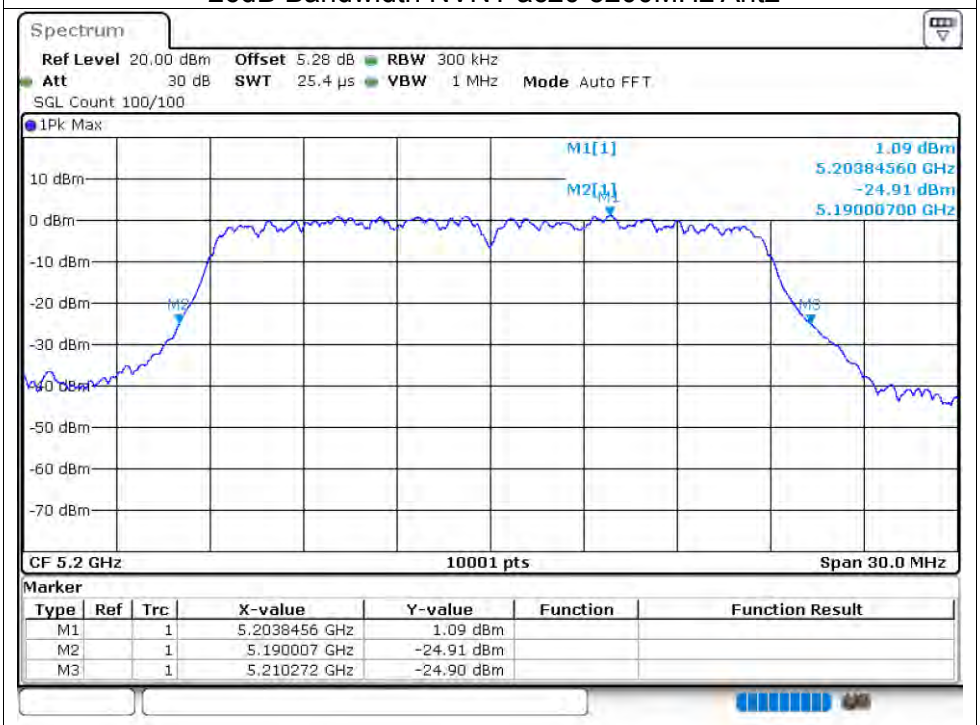
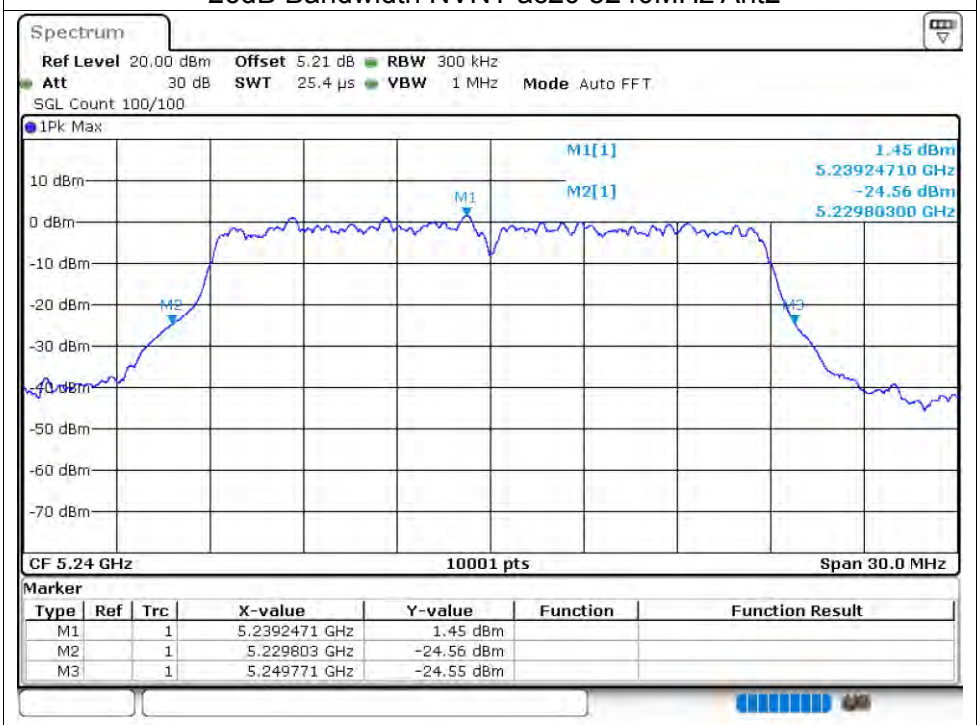
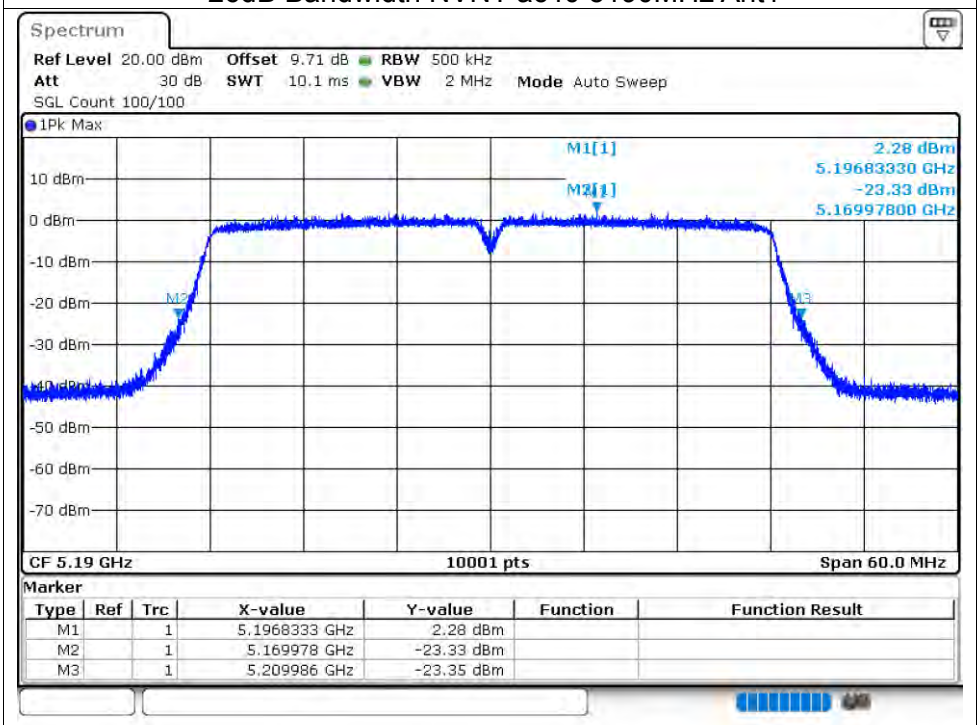
-26dB Bandwidth NVNT ac20 5200MHz Ant2



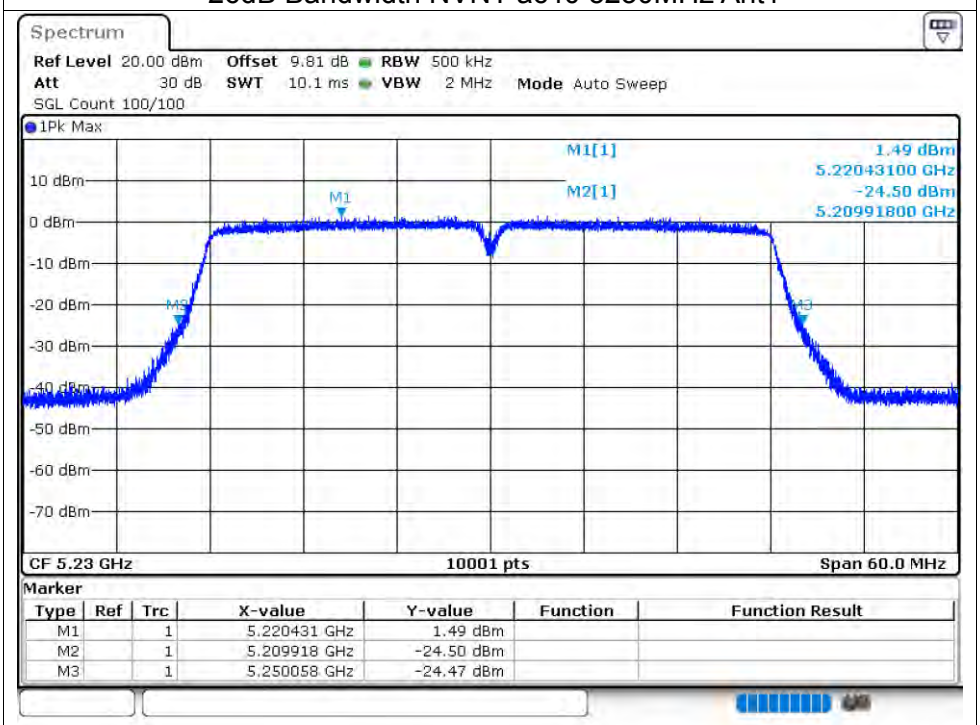
-26dB Bandwidth NVNT ac20 5240MHz Ant2



-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



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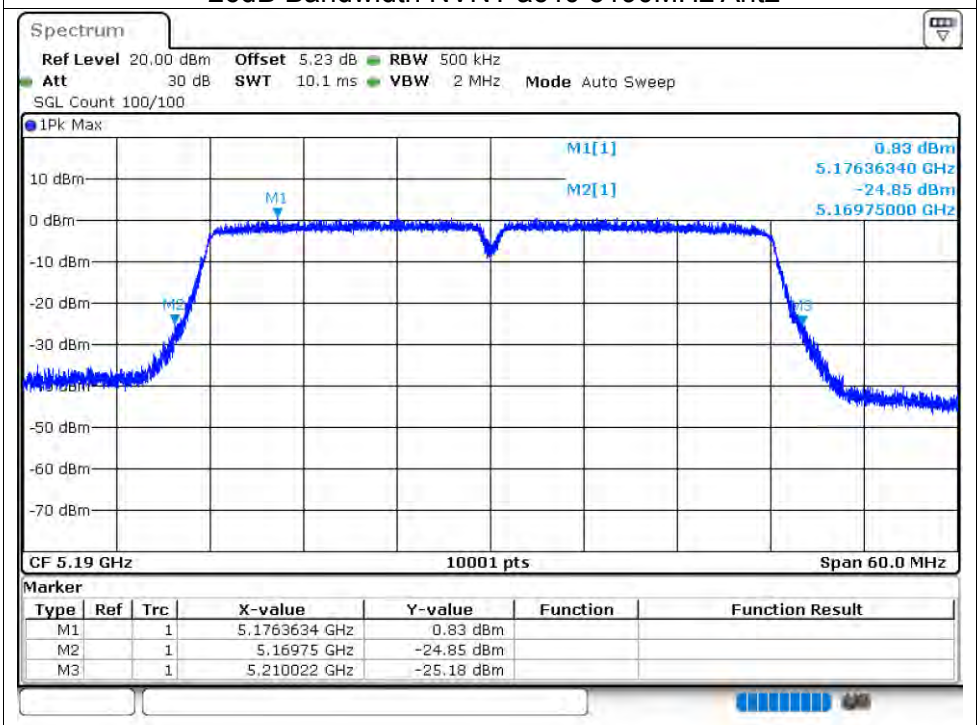
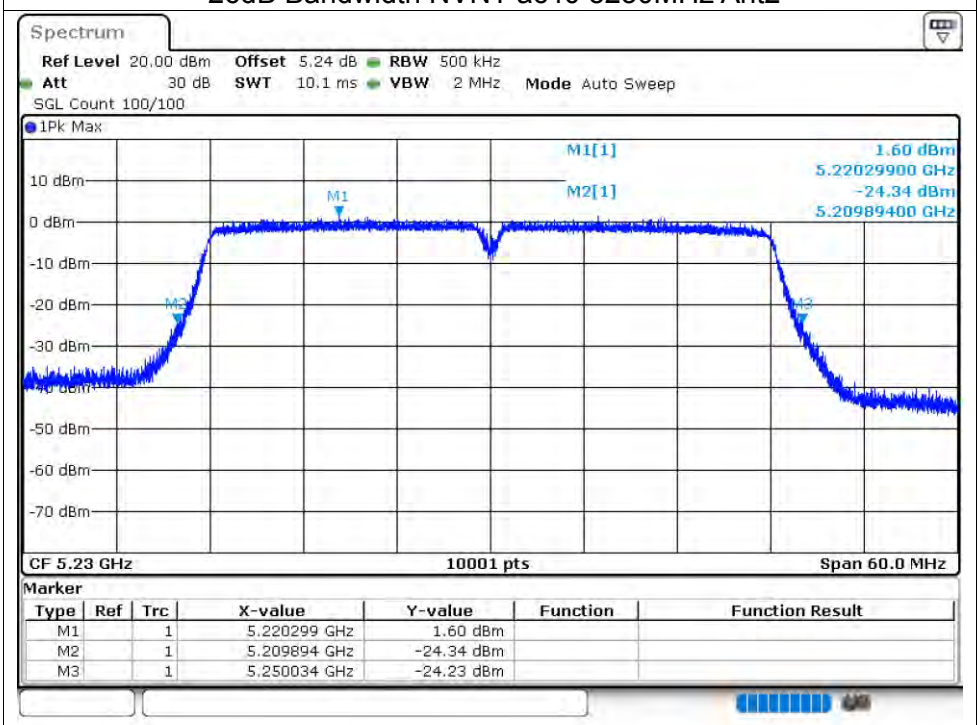
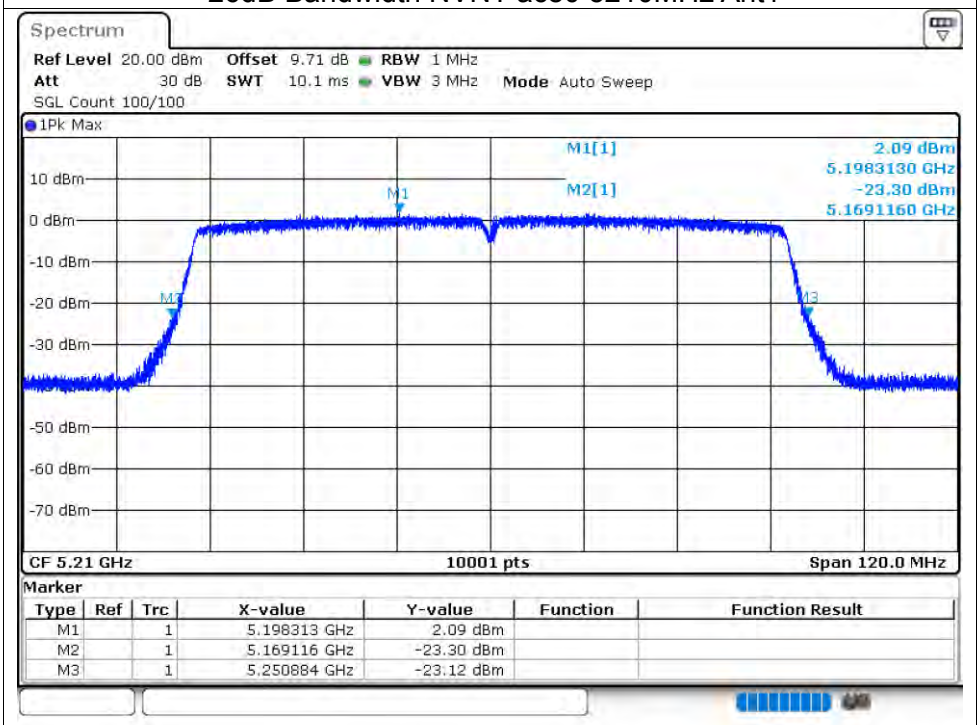


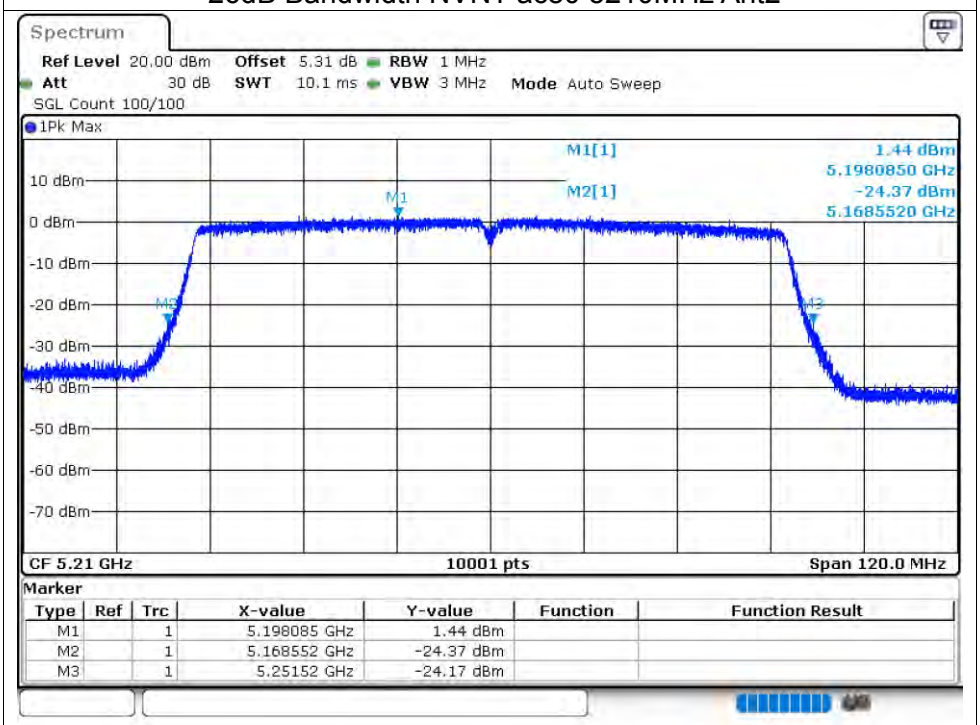
-26dB Bandwidth NVNT ac40 5230MHz Ant2



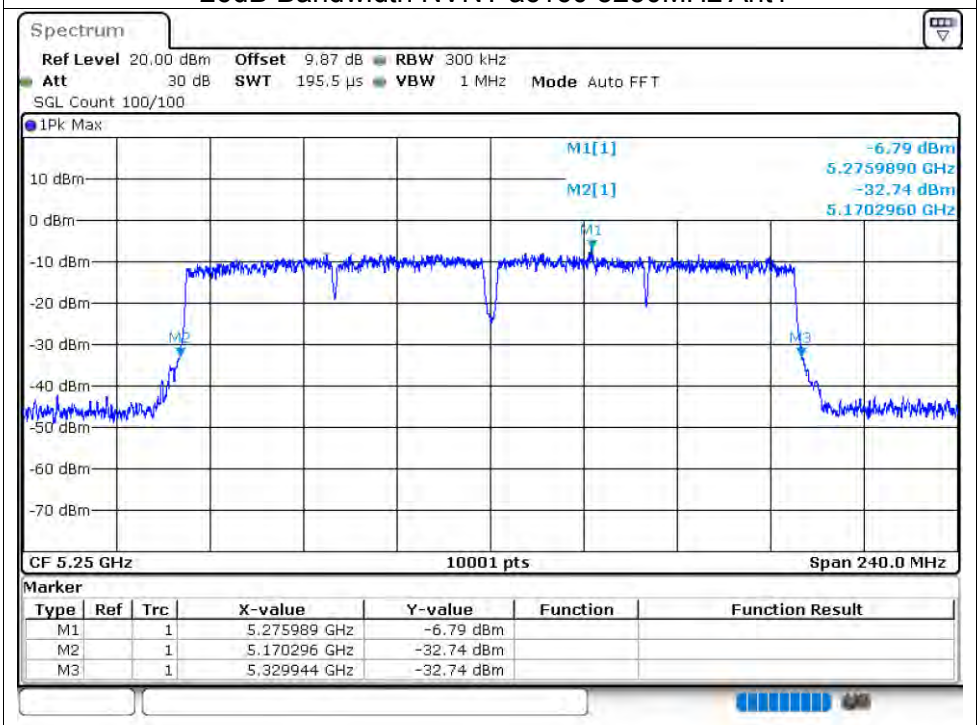
-26dB Bandwidth NVNT ac80 5210MHz Ant1



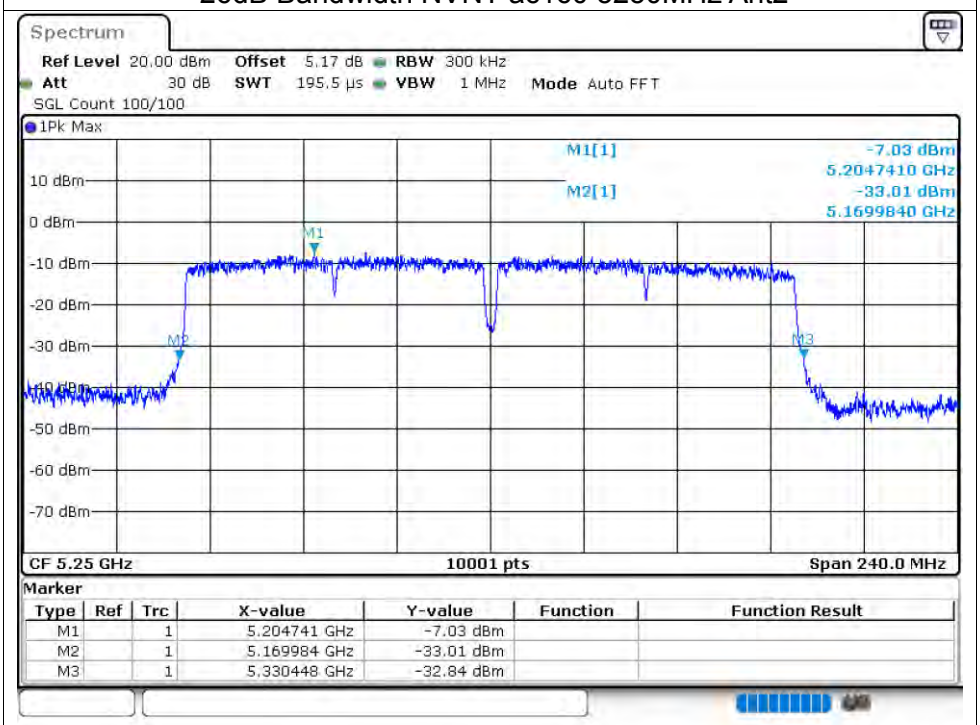
-26dB Bandwidth NVNT ac80 5210MHz Ant2



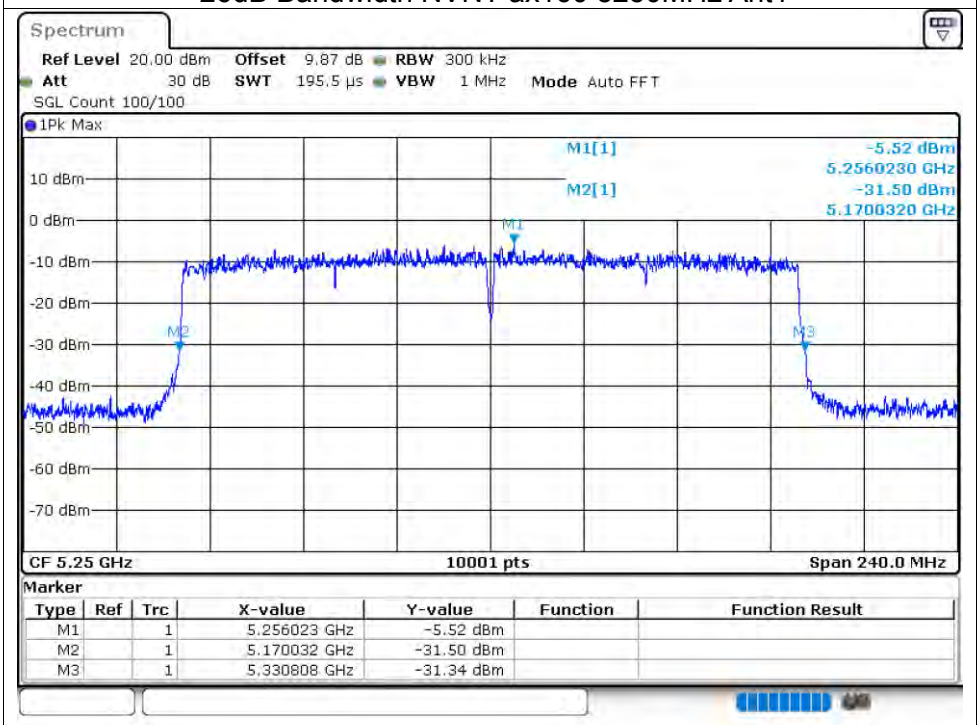
-26dB Bandwidth NVNT ac160 5250MHz Ant1



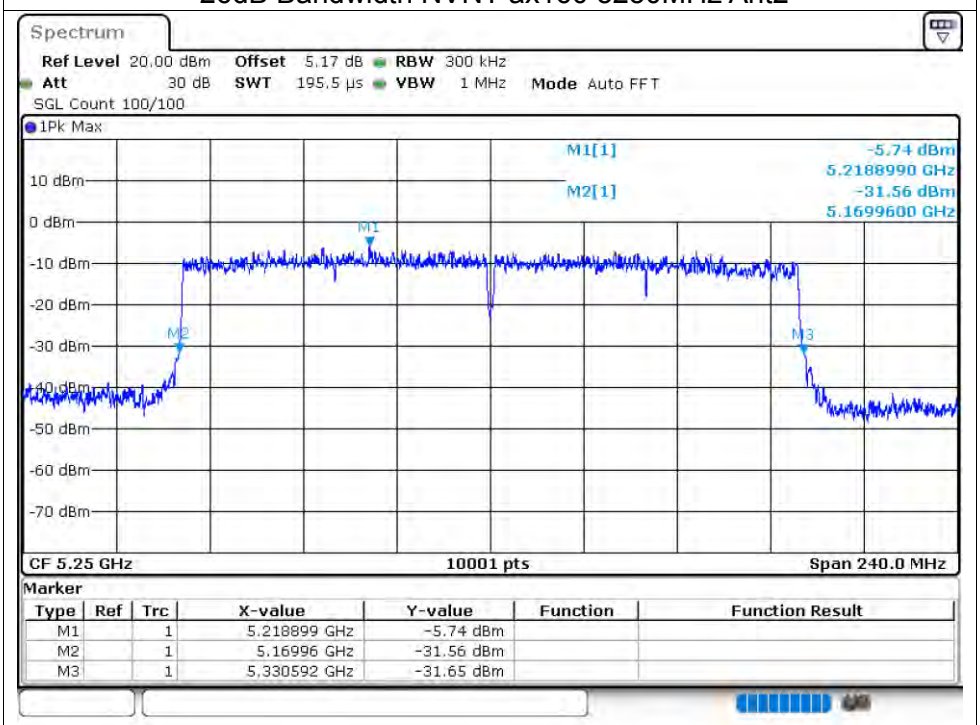
-26dB Bandwidth NVNT ac160 5250MHz Ant2



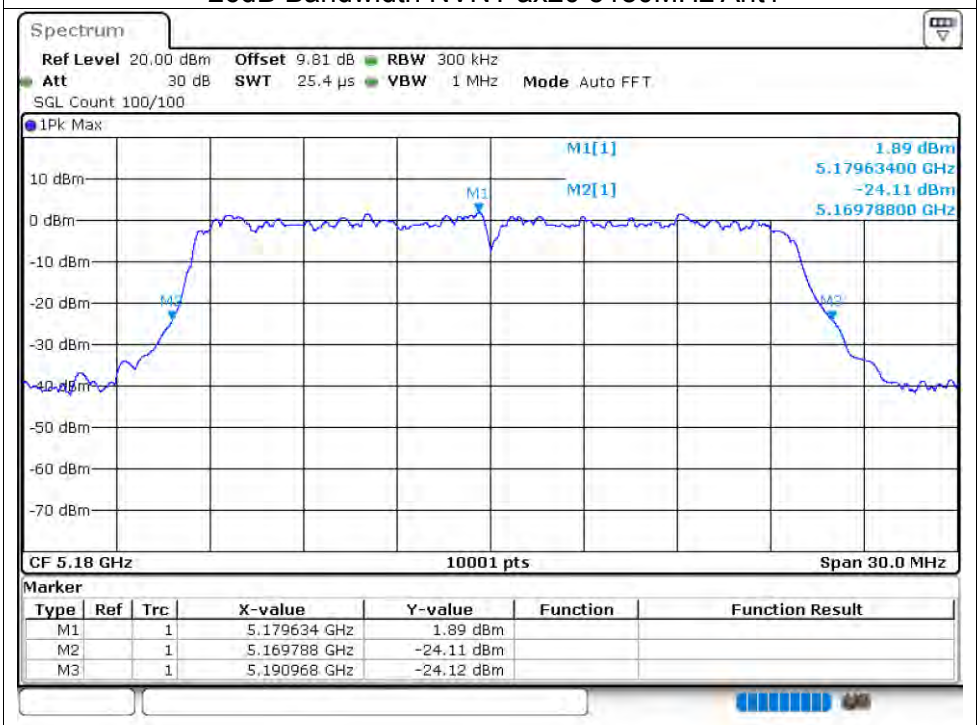
-26dB Bandwidth NVNT ax160 5250MHz Ant1



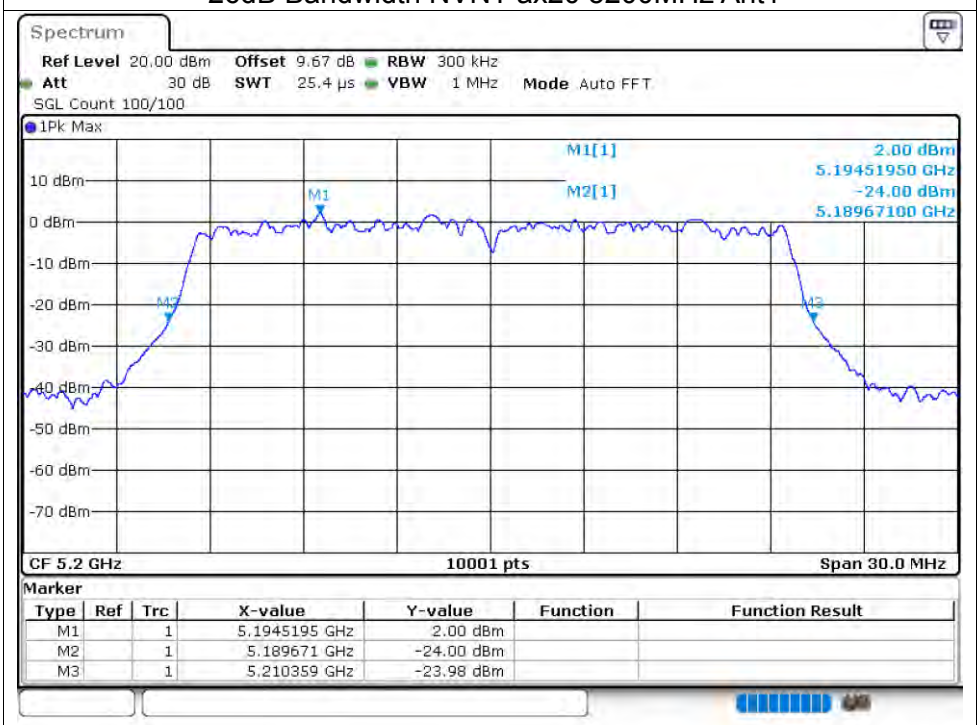
-26dB Bandwidth NVNT ax160 5250MHz Ant2



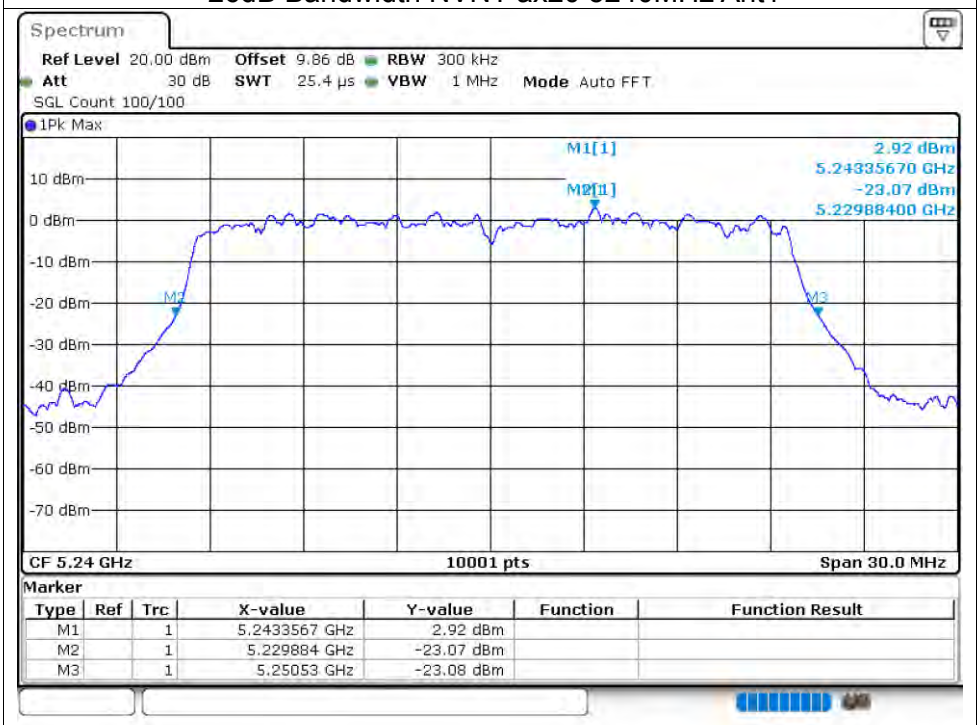
-26dB Bandwidth NVNT ax20 5180MHz Ant1



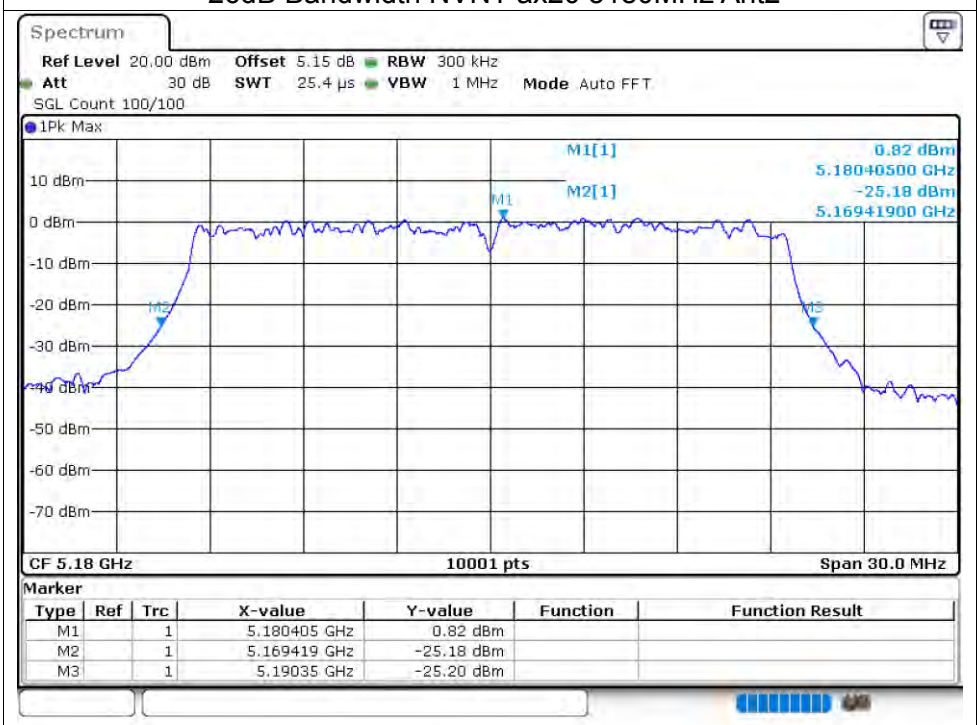
-26dB Bandwidth NVNT ax20 5200MHz Ant1



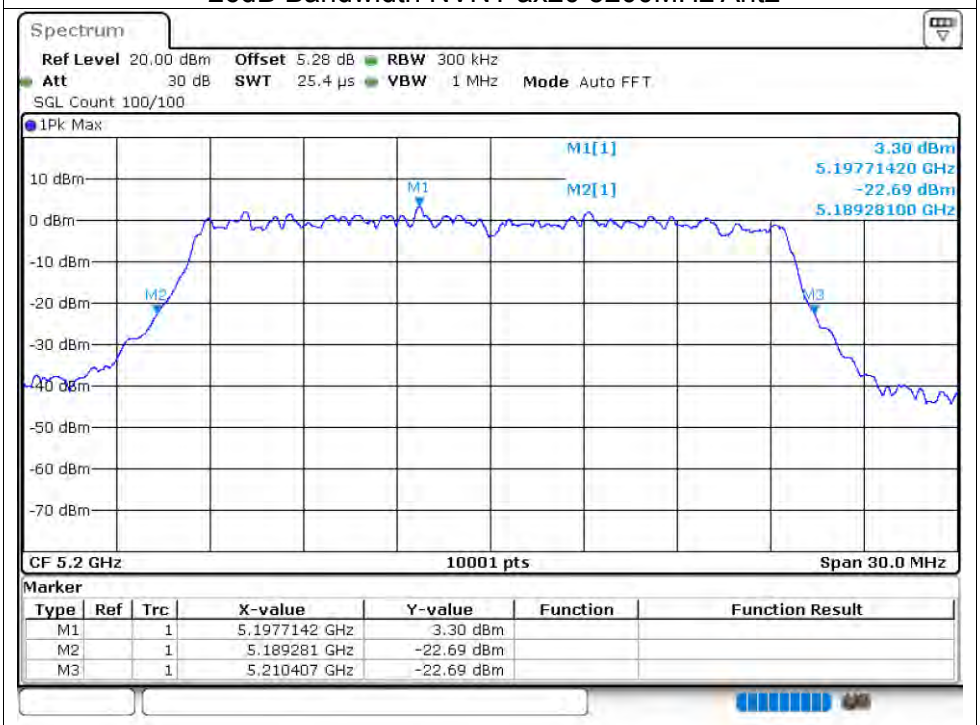
-26dB Bandwidth NVNT ax20 5240MHz Ant1



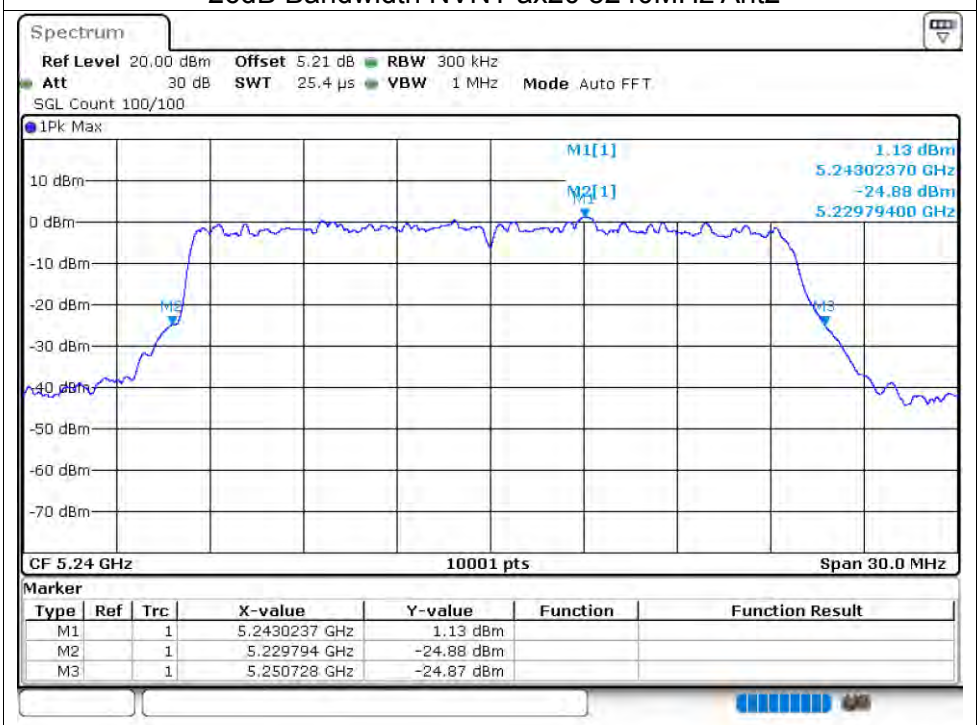
-26dB Bandwidth NVNT ax20 5180MHz Ant2



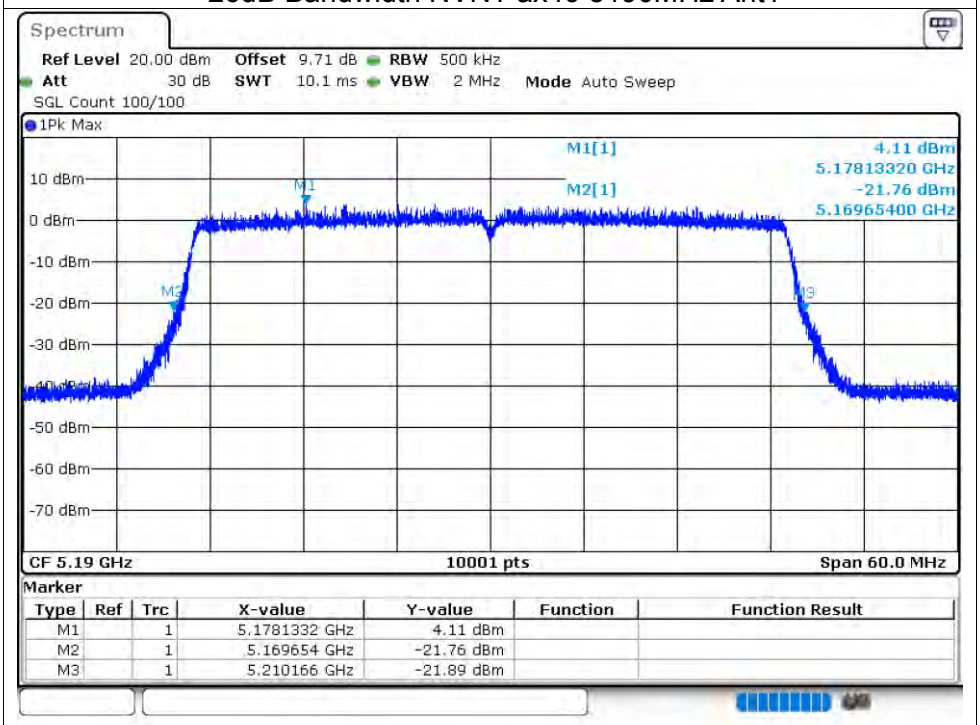
-26dB Bandwidth NVNT ax20 5200MHz Ant2



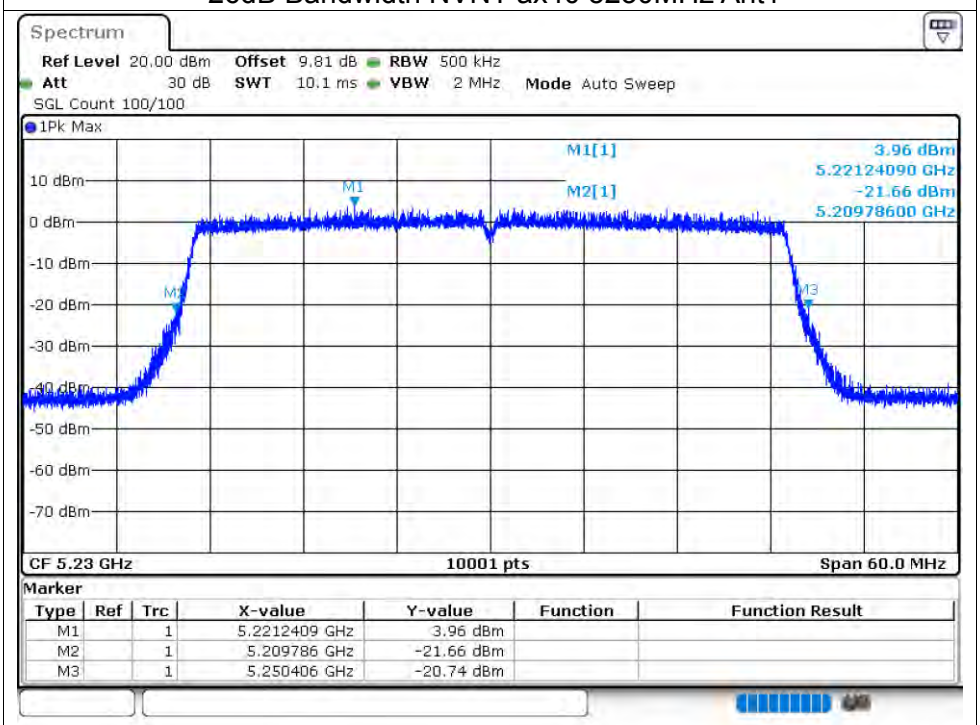
-26dB Bandwidth NVNT ax20 5240MHz Ant2



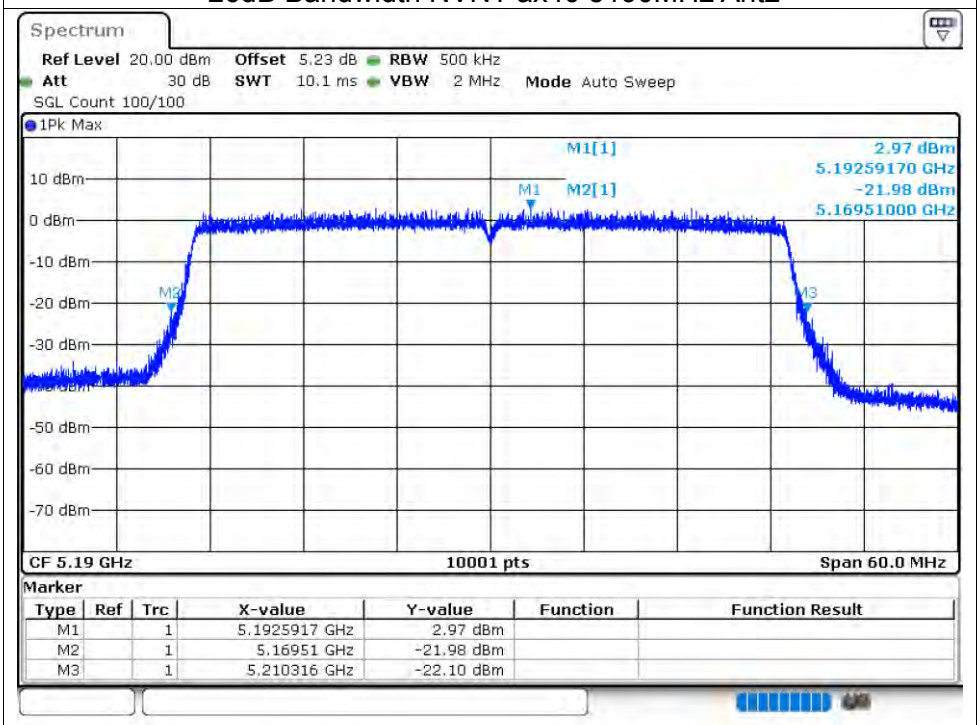
-26dB Bandwidth NVNT ax40 5190MHz Ant1



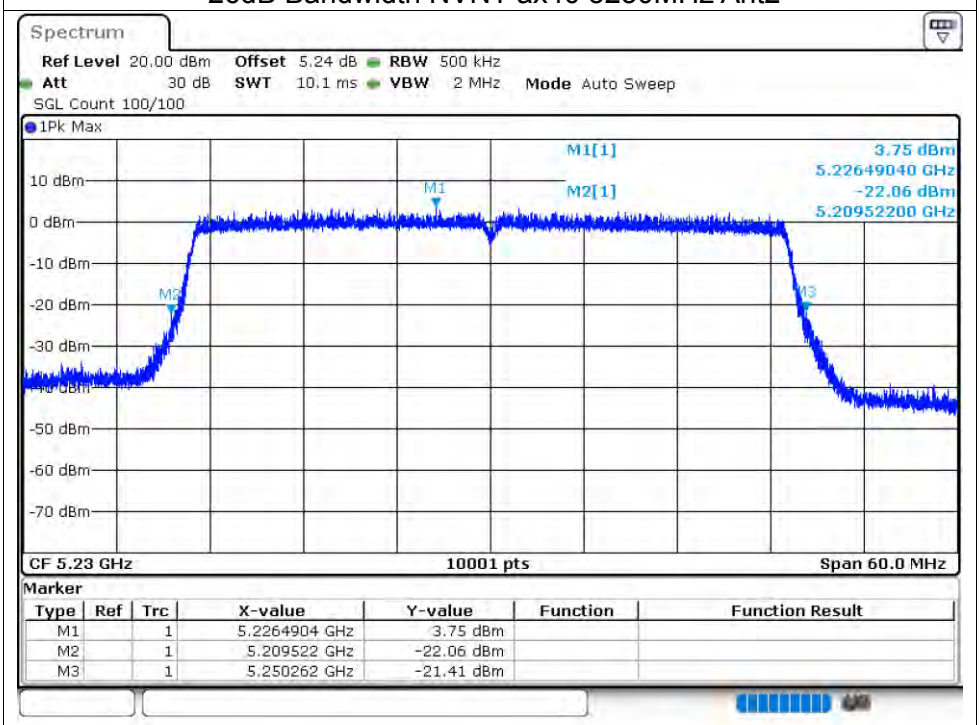
-26dB Bandwidth NVNT ax40 5230MHz Ant1



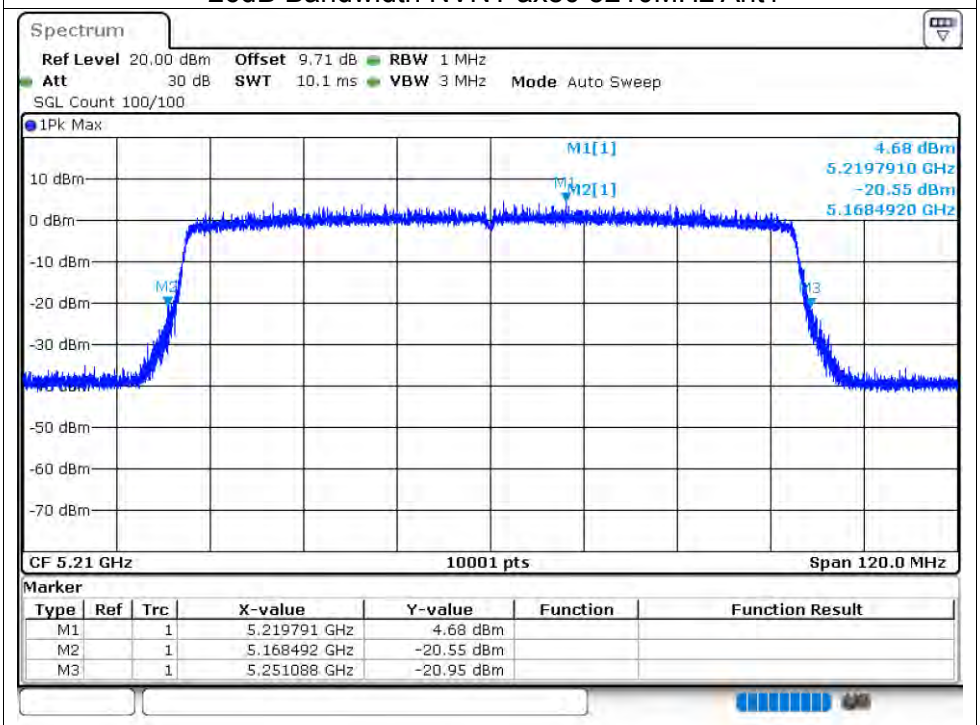
-26dB Bandwidth NVNT ax40 5190MHz Ant2



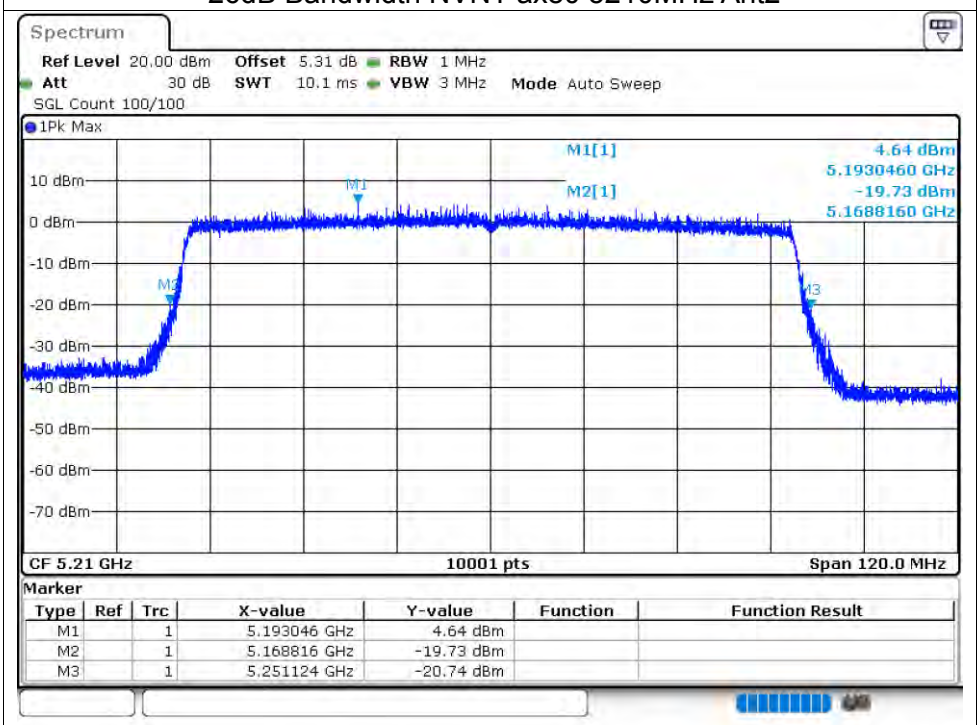
-26dB Bandwidth NVNT ax40 5230MHz Ant2



-26dB Bandwidth NVNT ax80 5210MHz Ant1



-26dB Bandwidth NVNT ax80 5210MHz Ant2



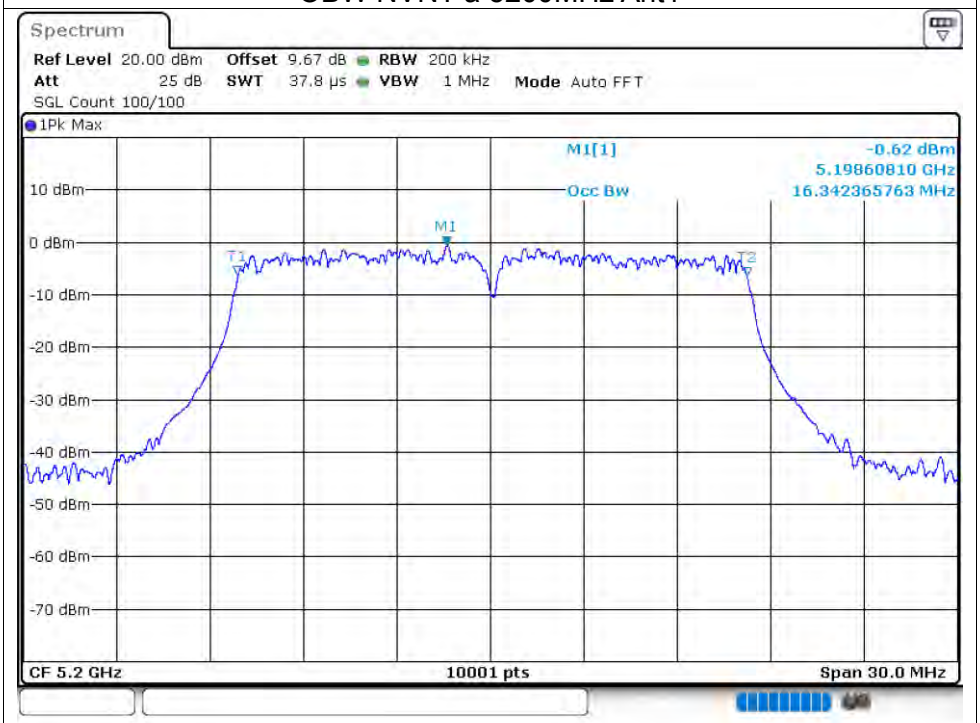
7.1.4 OCCUPIED CHANNEL BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.417
NVNT	a	5200	Ant1	16.342
NVNT	a	5240	Ant1	16.354
NVNT	a	5180	Ant2	16.312
NVNT	a	5200	Ant2	16.333
NVNT	a	5240	Ant2	16.408
NVNT	n20	5180	Ant1	17.581
NVNT	n20	5200	Ant1	17.554
NVNT	n20	5240	Ant1	17.59
NVNT	n20	5180	Ant2	17.572
NVNT	n20	5200	Ant2	17.575
NVNT	n20	5240	Ant2	17.575
NVNT	n40	5190	Ant1	36.05
NVNT	n40	5230	Ant1	36.092
NVNT	n40	5190	Ant2	36.116
NVNT	n40	5230	Ant2	36.11
NVNT	ac20	5180	Ant1	17.56
NVNT	ac20	5200	Ant1	17.551
NVNT	ac20	5240	Ant1	17.569
NVNT	ac20	5180	Ant2	17.566
NVNT	ac20	5200	Ant2	17.56
NVNT	ac20	5240	Ant2	17.533
NVNT	ac40	5190	Ant1	36.074
NVNT	ac40	5230	Ant1	36.08
NVNT	ac40	5190	Ant2	36.11
NVNT	ac40	5230	Ant2	36.11
NVNT	ac80	5210	Ant1	75.376
NVNT	ac80	5210	Ant2	75.424
NVNT	ac160	5250	Ant1	154.497
NVNT	ac160	5250	Ant2	154.353
NVNT	ax160	5250	Ant1	155.888
NVNT	ax160	5250	Ant2	155.768
NVNT	ax20	5180	Ant1	18.868
NVNT	ax20	5200	Ant1	18.961
NVNT	ax20	5240	Ant1	18.931
NVNT	ax20	5180	Ant2	18.925
NVNT	ax20	5200	Ant2	18.904
NVNT	ax20	5240	Ant2	18.889
NVNT	ax40	5190	Ant1	37.736
NVNT	ax40	5230	Ant1	37.712
NVNT	ax40	5190	Ant2	37.748
NVNT	ax40	5230	Ant2	37.754
NVNT	ax80	5210	Ant1	77.116
NVNT	ax80	5210	Ant2	77.128

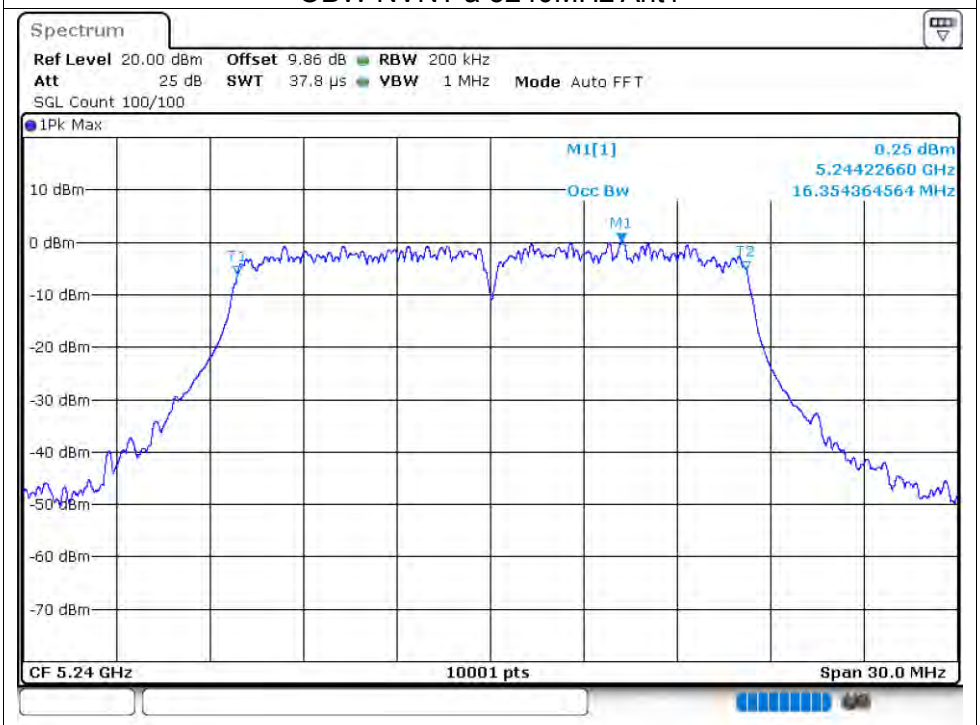
Test Graphs

OBW NVNT a 5180MHz Ant1

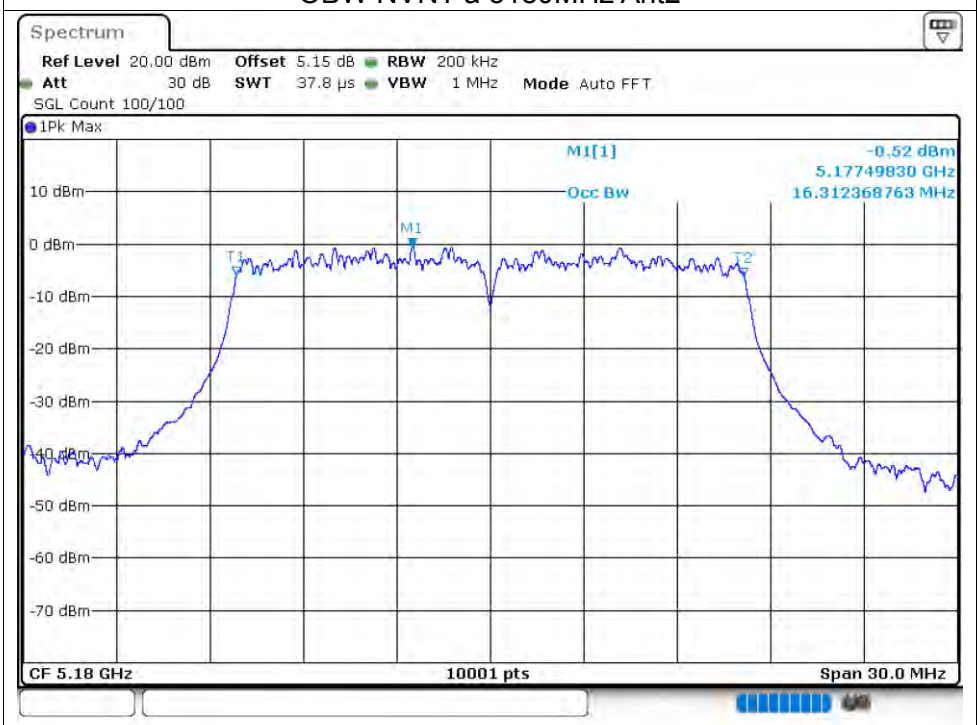
OBW NVNT a 5200MHz Ant1



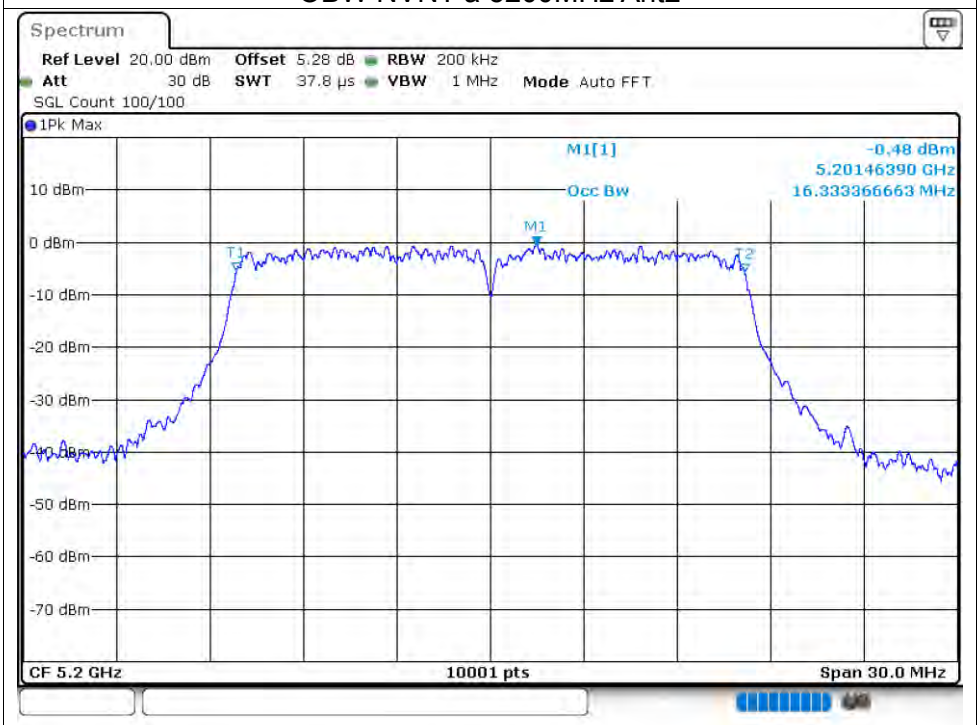
OBW NVNT a 5240MHz Ant1



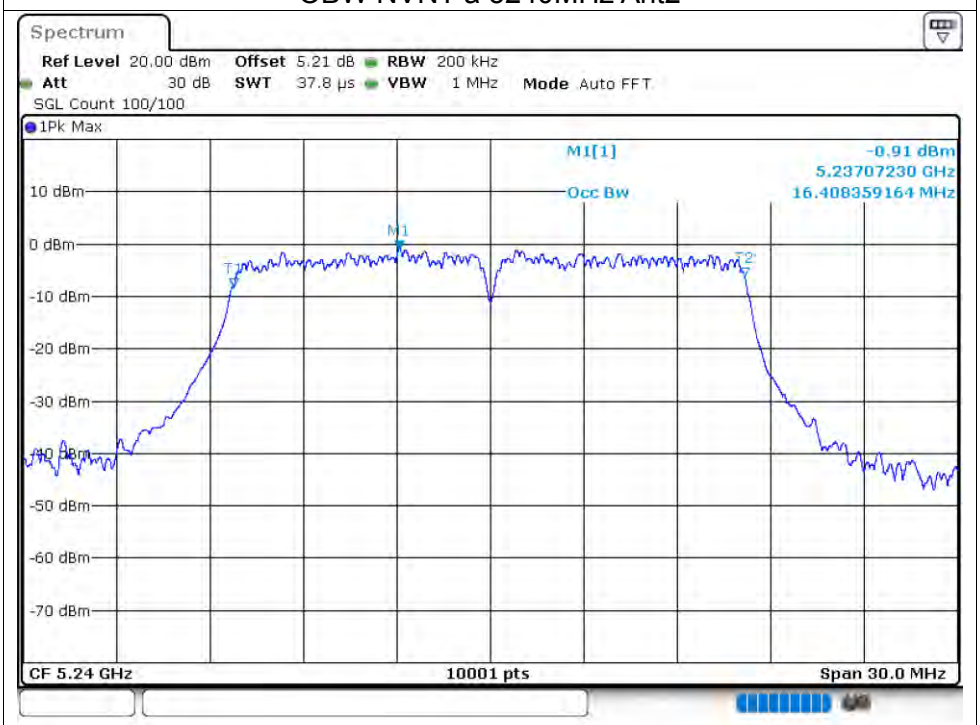
OBW NVNT a 5180MHz Ant2



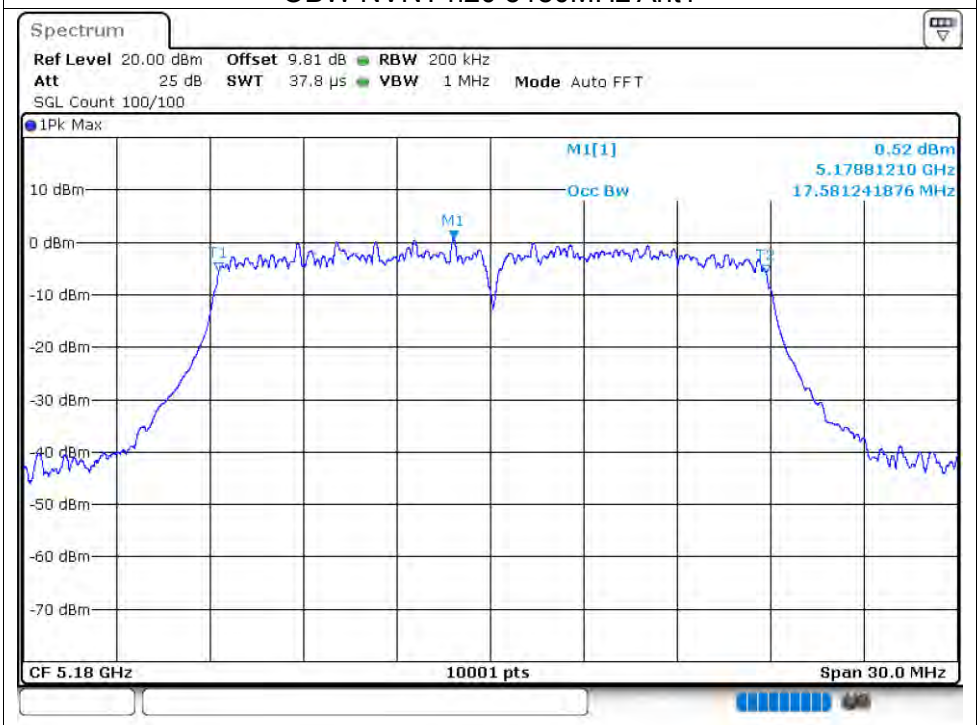
OBW NVNT a 5200MHz Ant2



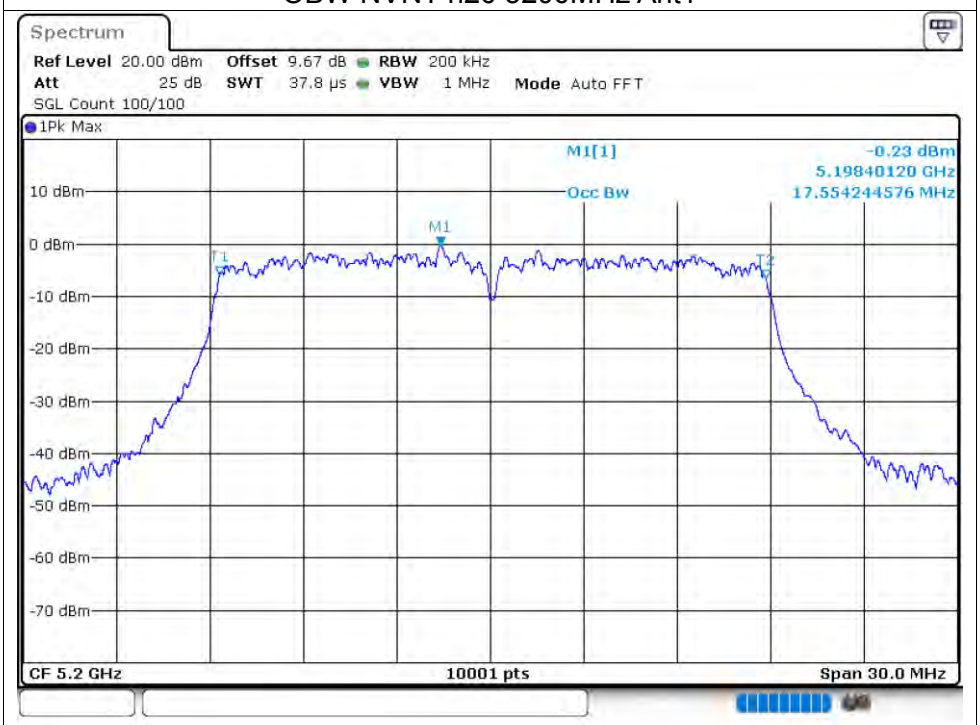
OBW NVNT a 5240MHz Ant2



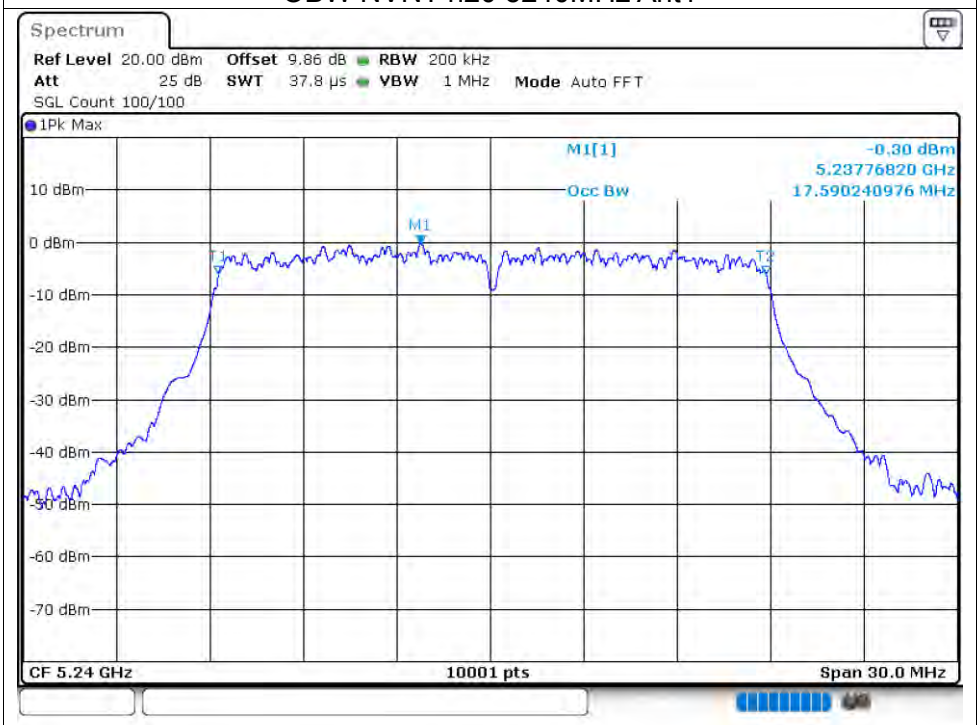
OBW NVNT n20 5180MHz Ant1



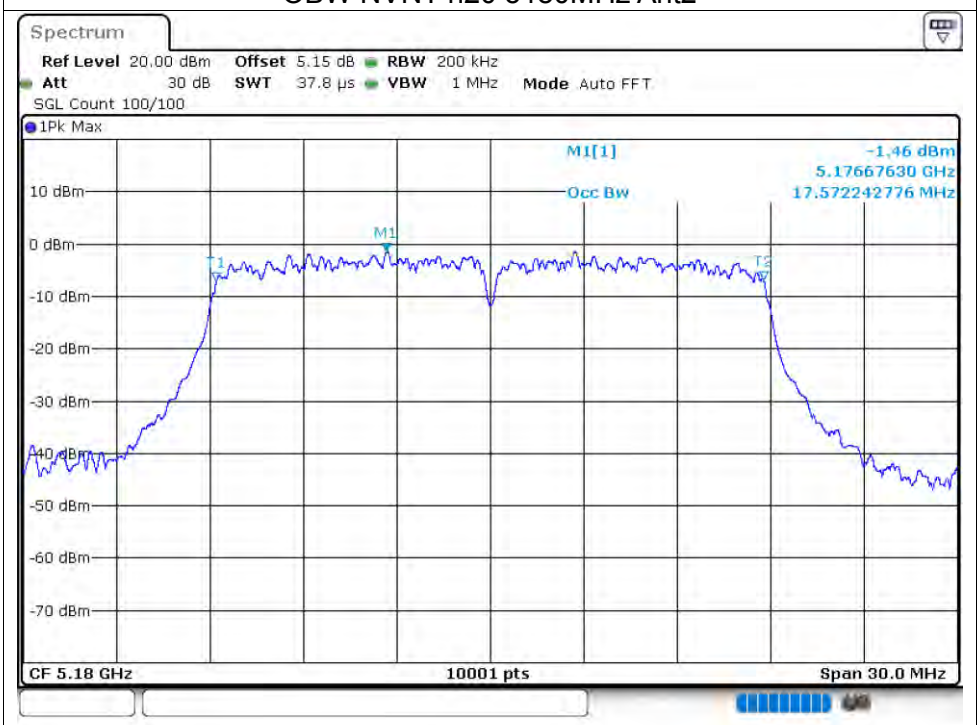
OBW NVNT n20 5200MHz Ant1



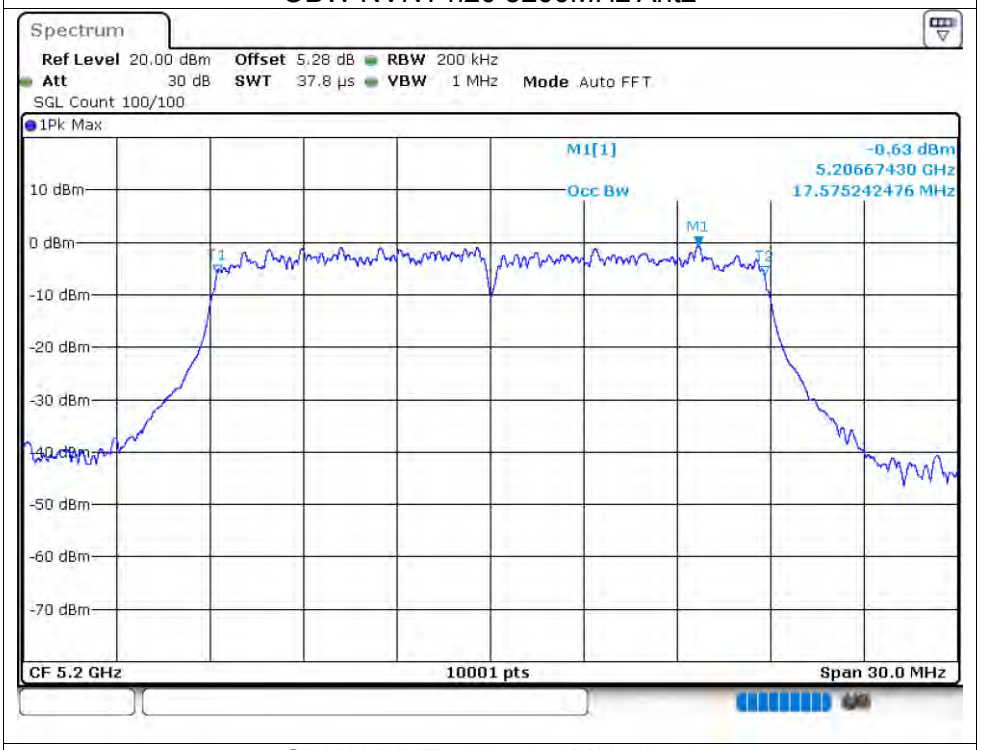
OBW NVNT n20 5240MHz Ant1



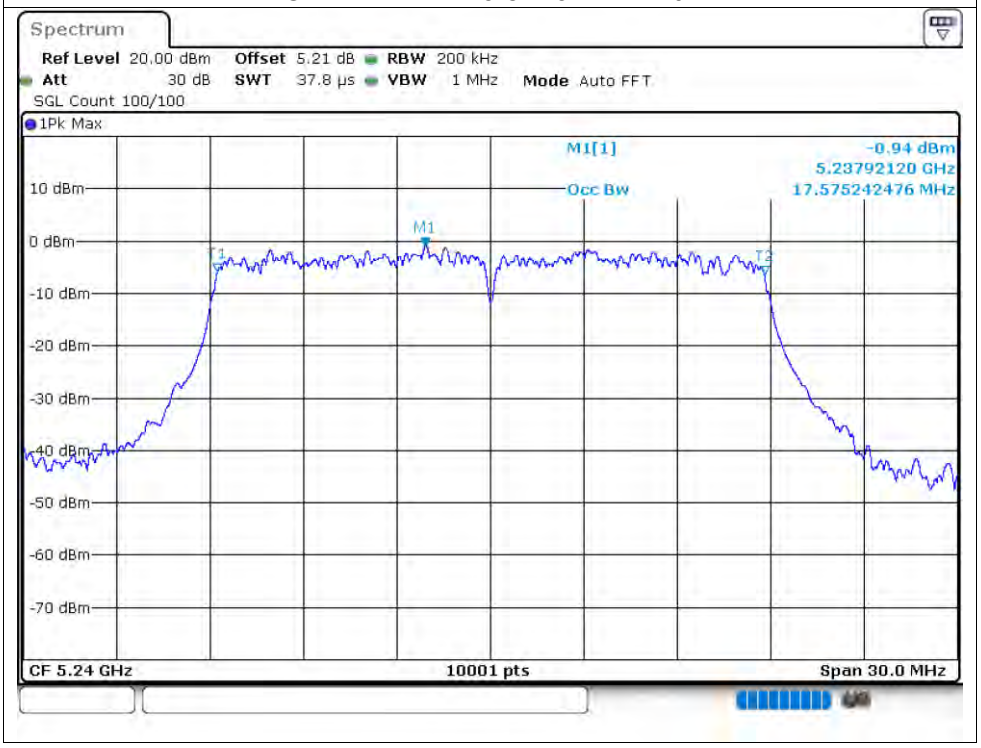
OBW NVNT n20 5180MHz Ant2



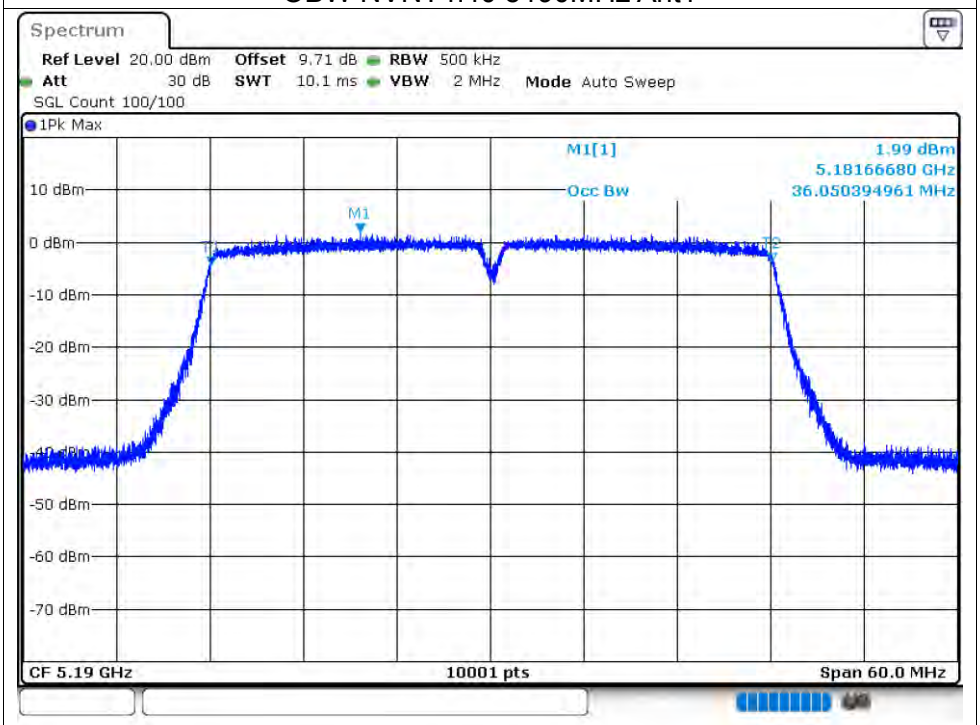
OBW NVNT n20 5200MHz Ant2



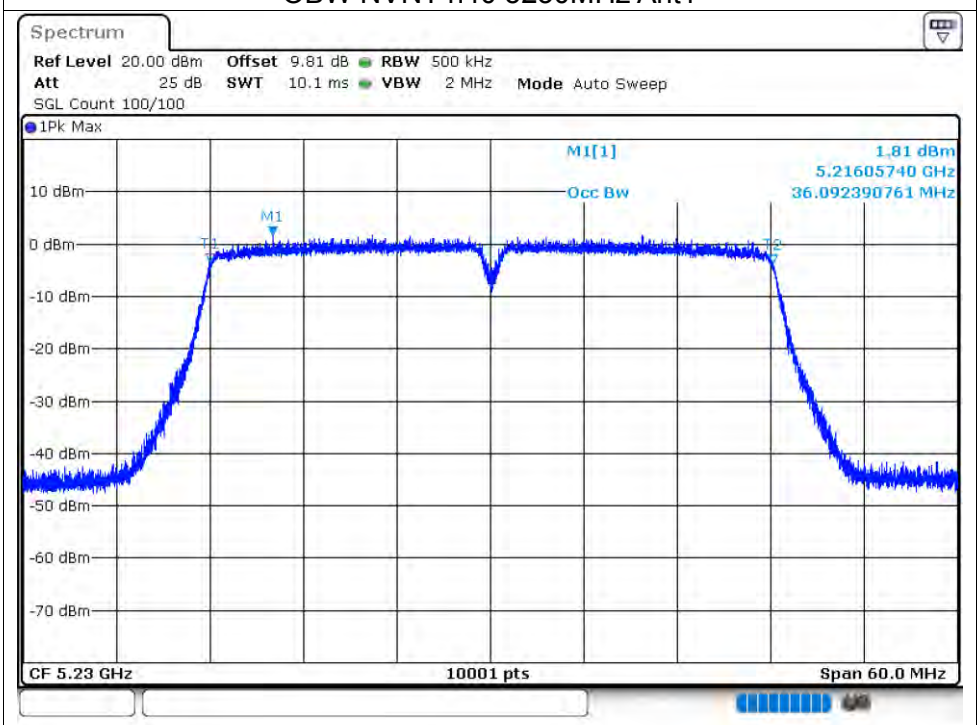
OBW NVNT n20 5240MHz Ant2



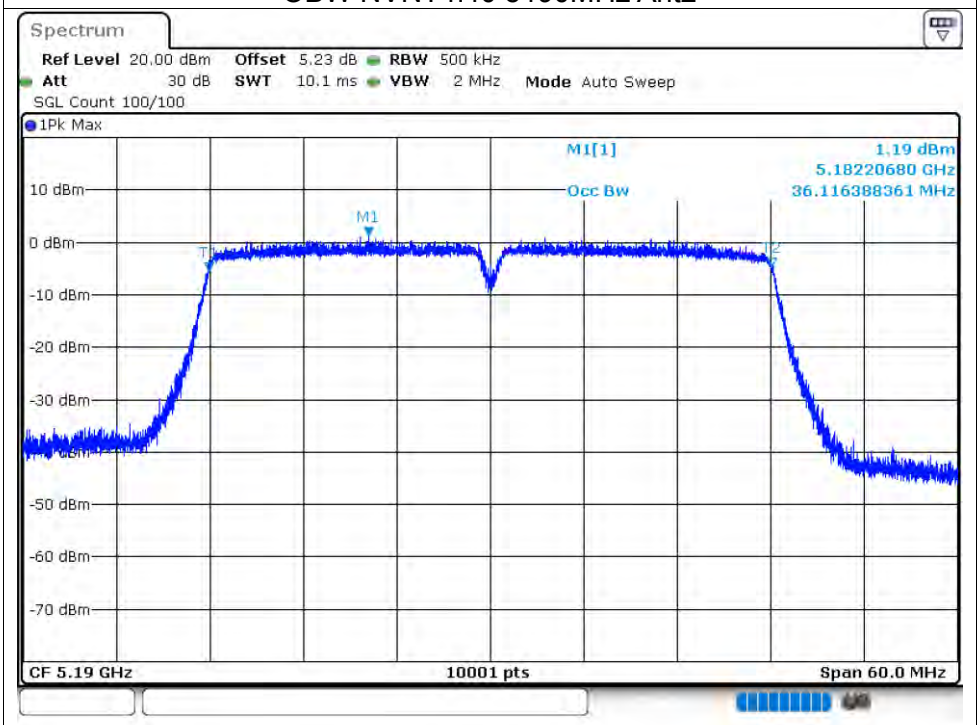
OBW NVNT n40 5190MHz Ant1



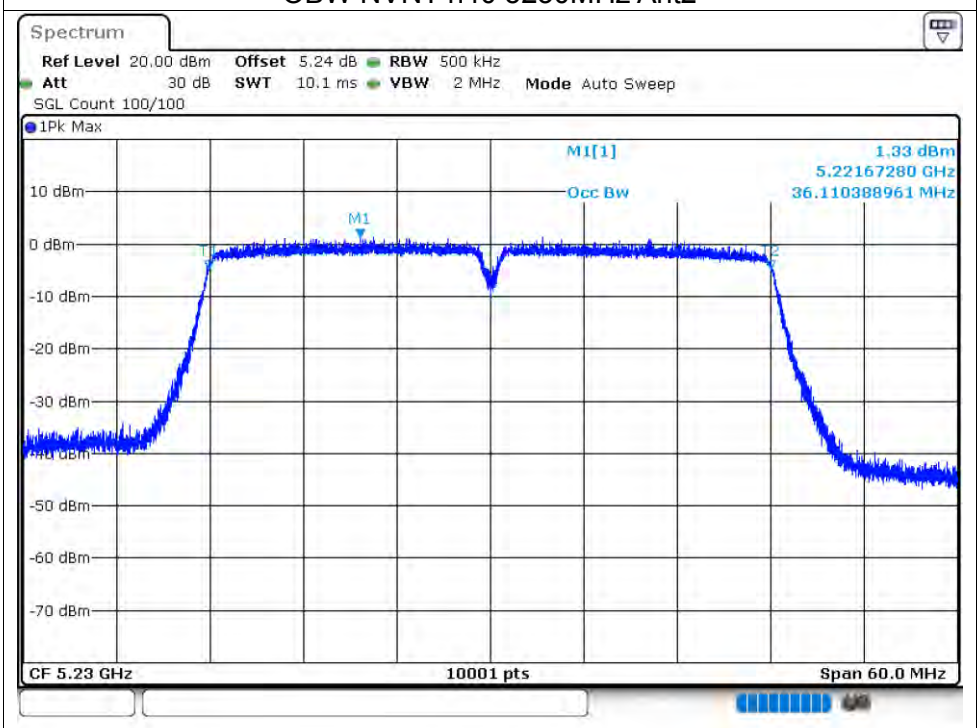
OBW NVNT n40 5230MHz Ant1



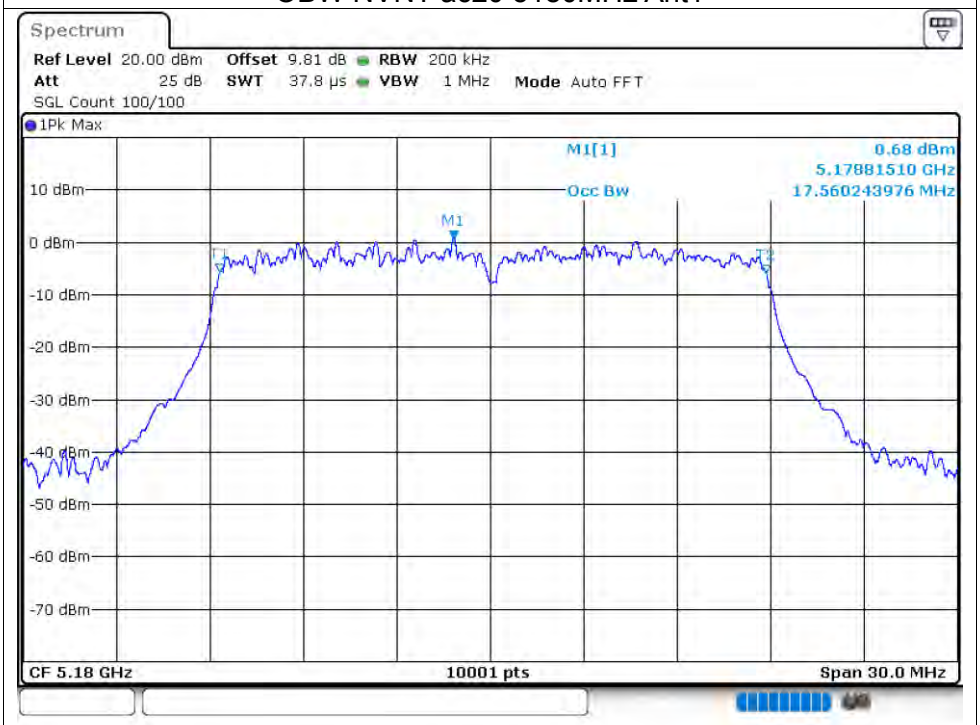
OBW NVNT n40 5190MHz Ant2



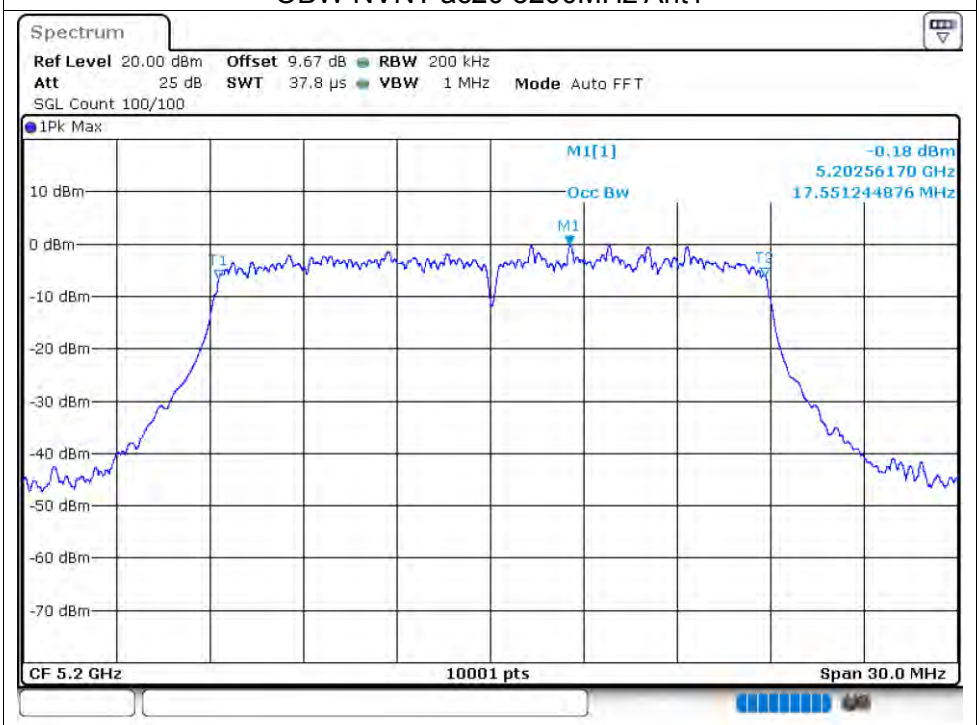
OBW NVNT n40 5230MHz Ant2



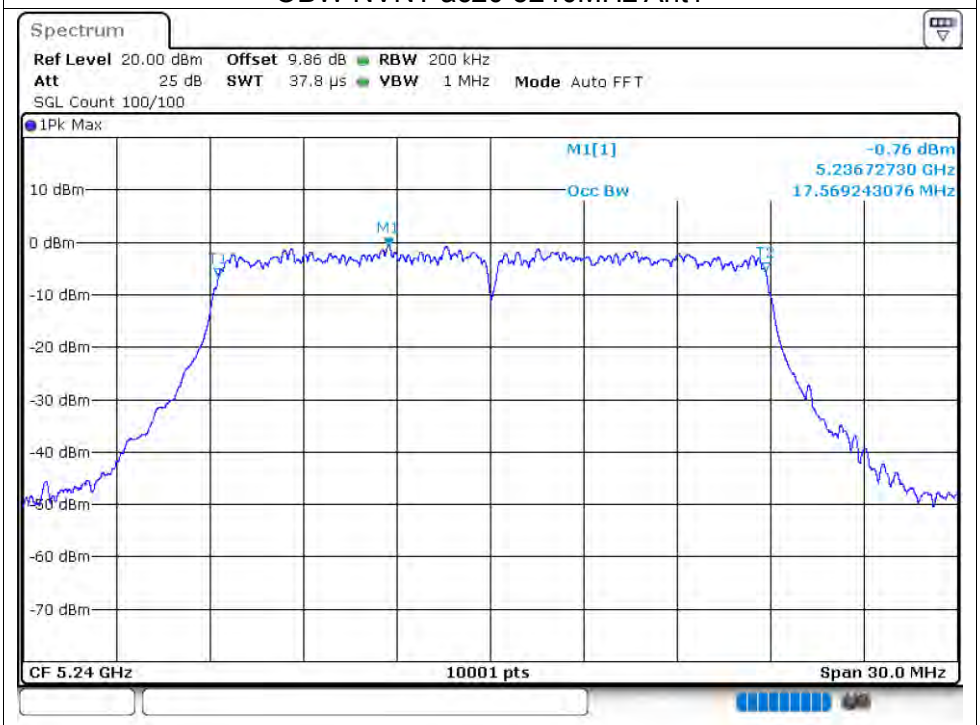
OBW NVNT ac20 5180MHz Ant1



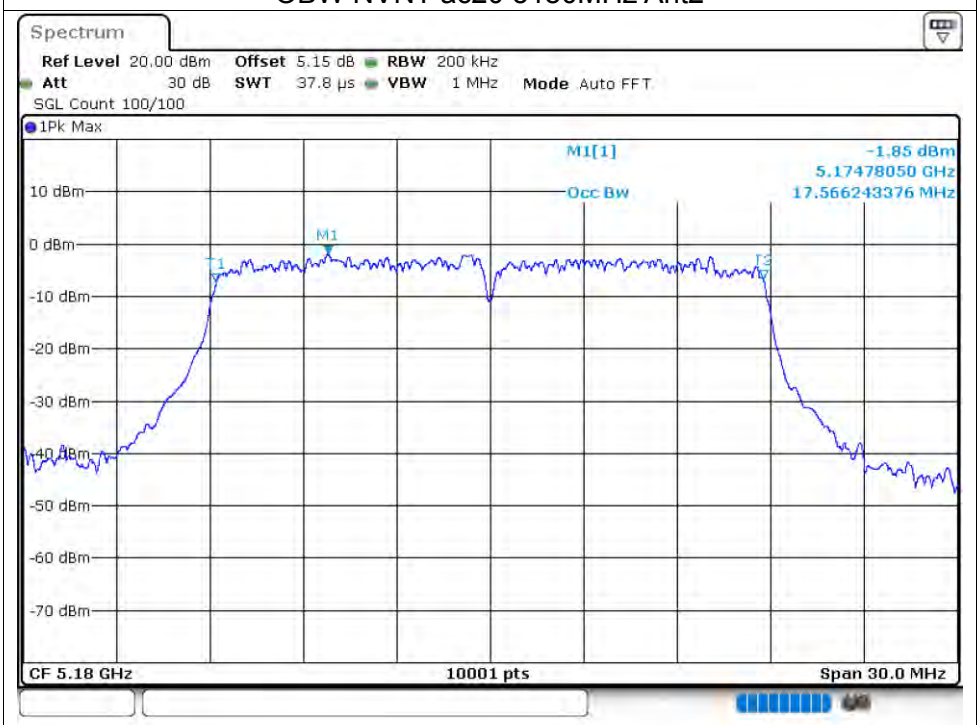
OBW NVNT ac20 5200MHz Ant1



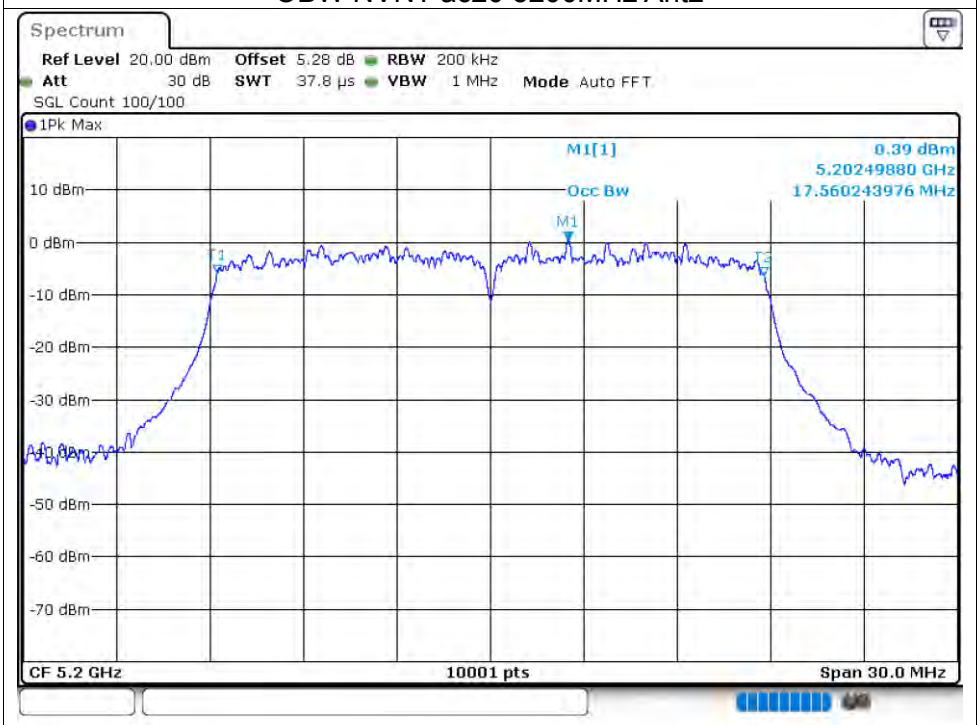
OBW NVNT ac20 5240MHz Ant1



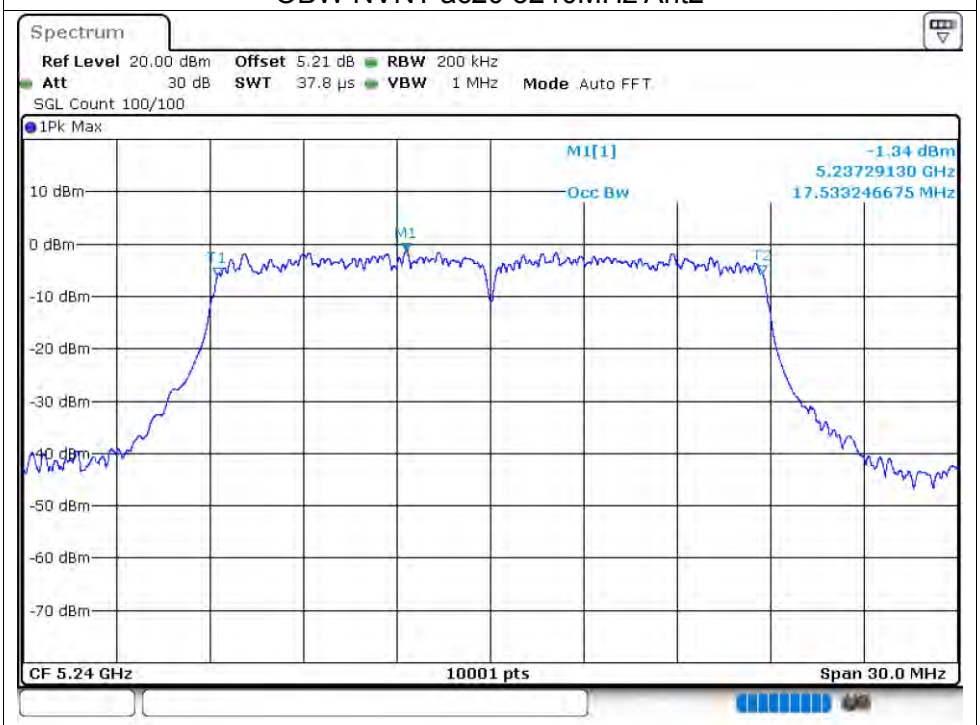
OBW NVNT ac20 5180MHz Ant2



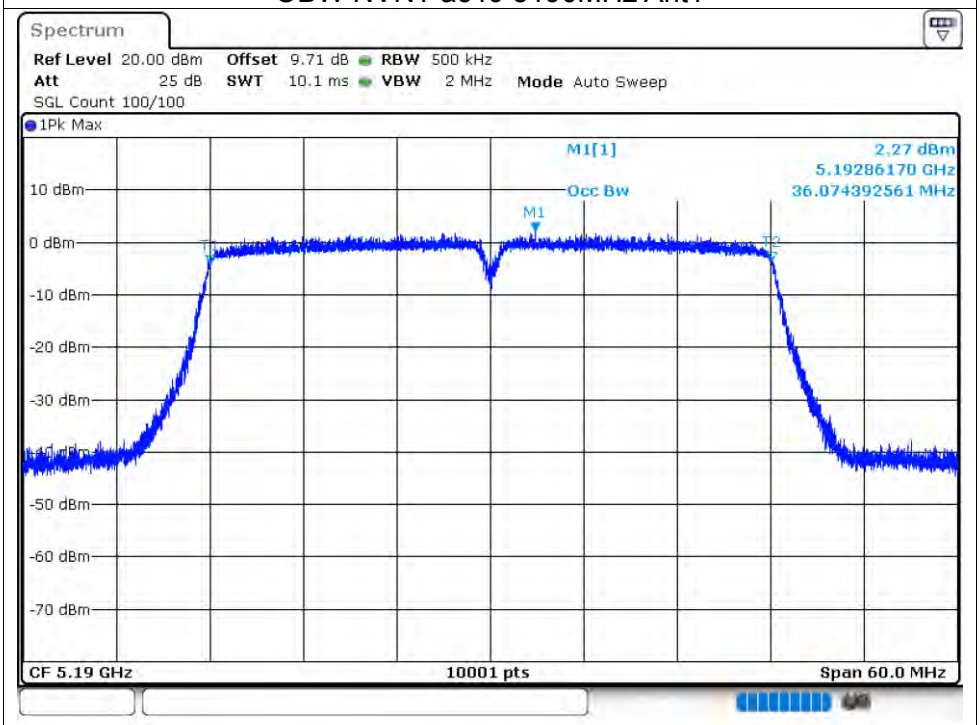
OBW NVNT ac20 5200MHz Ant2



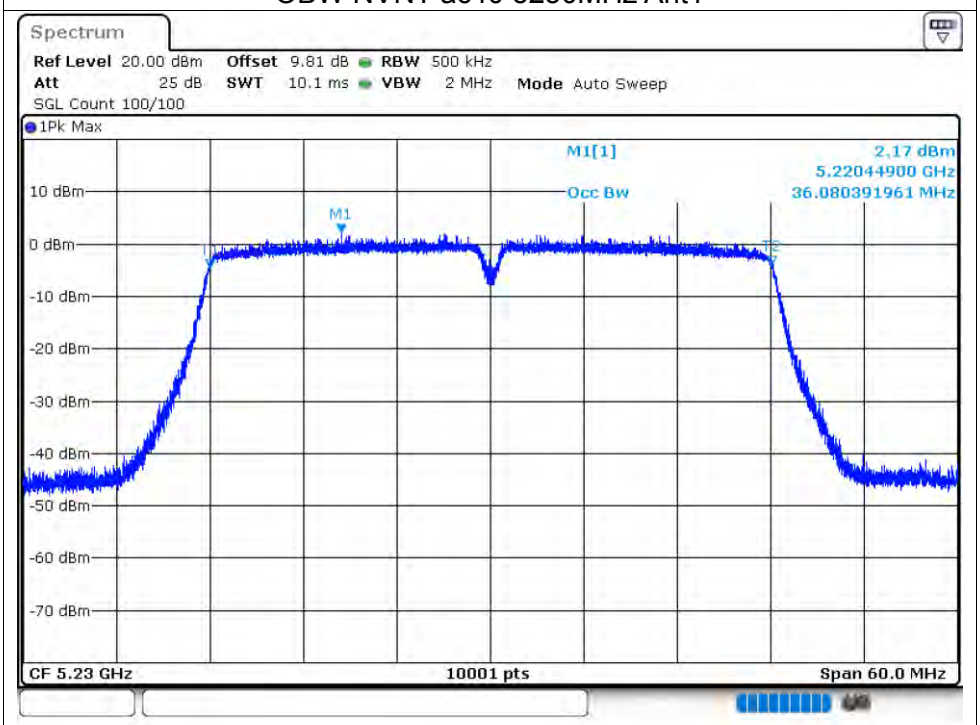
OBW NVNT ac20 5240MHz Ant2



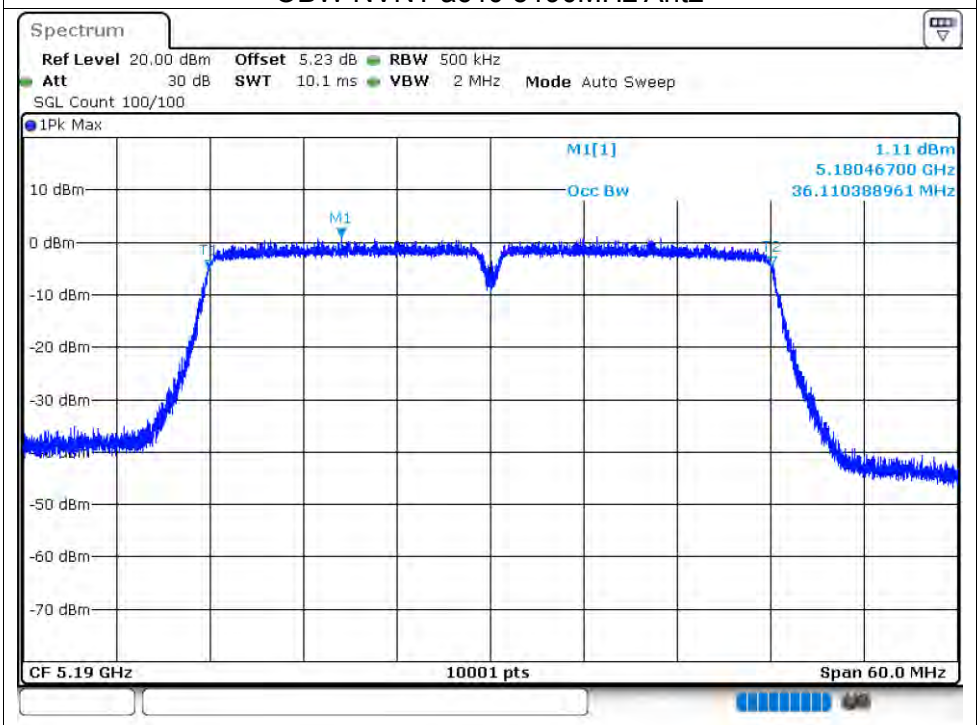
OBW NVNT ac40 5190MHz Ant1



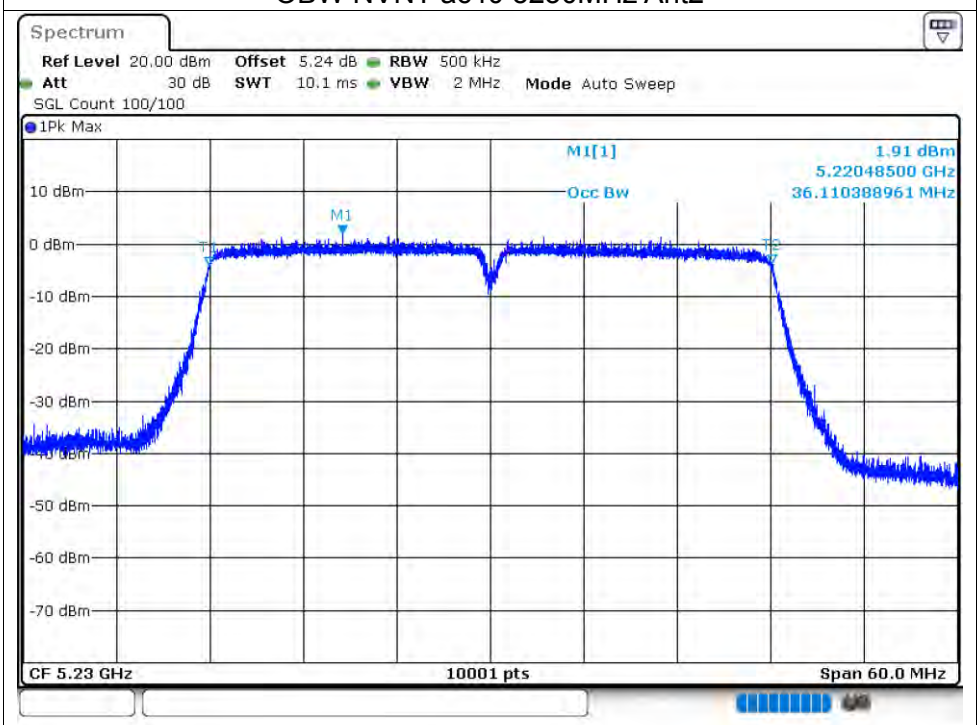
OBW NVNT ac40 5230MHz Ant1



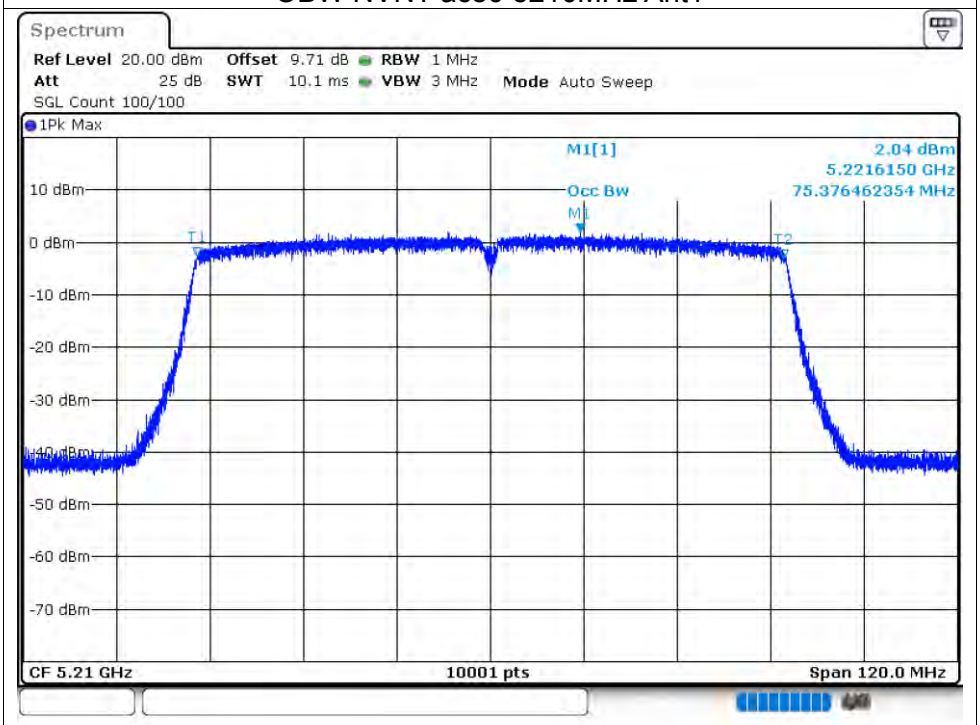
OBW NVNT ac40 5190MHz Ant2



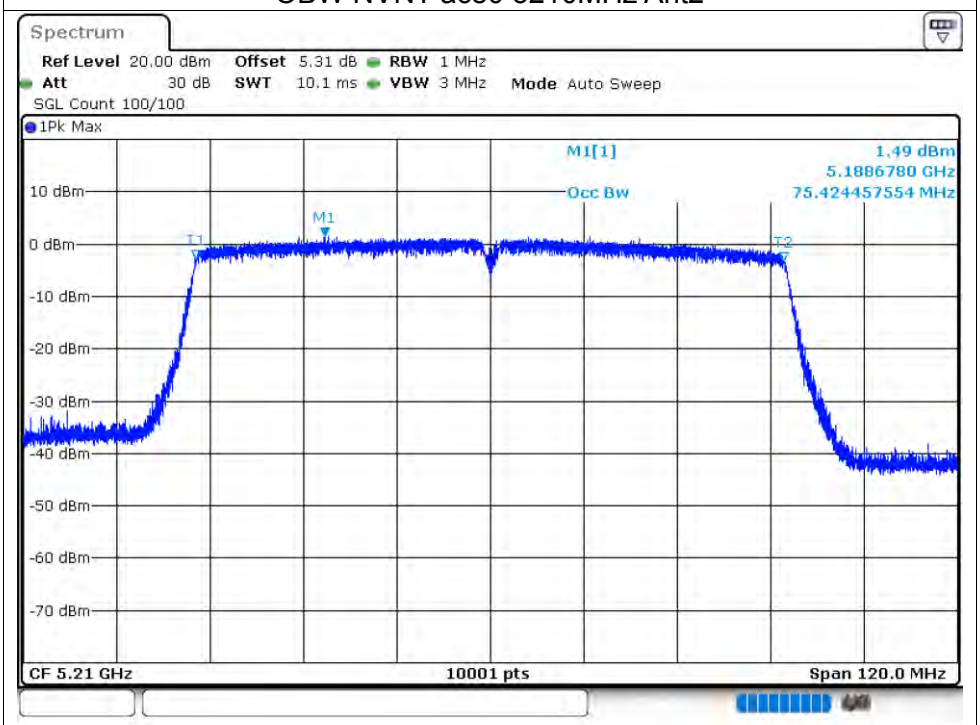
OBW NVNT ac40 5230MHz Ant2



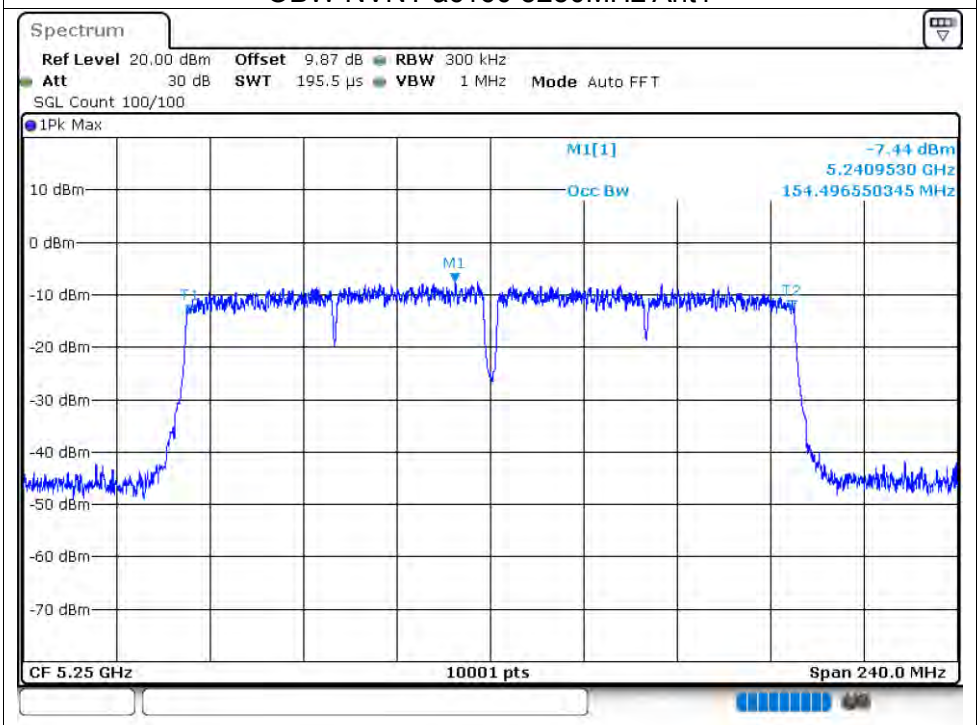
OBW NVNT ac80 5210MHz Ant1



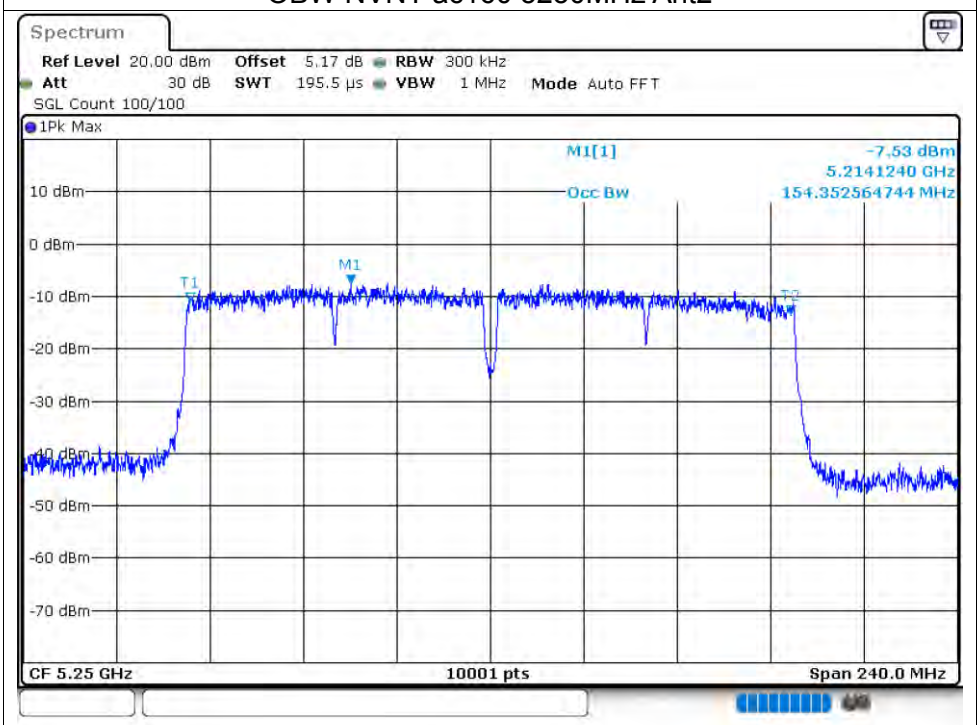
OBW NVNT ac80 5210MHz Ant2



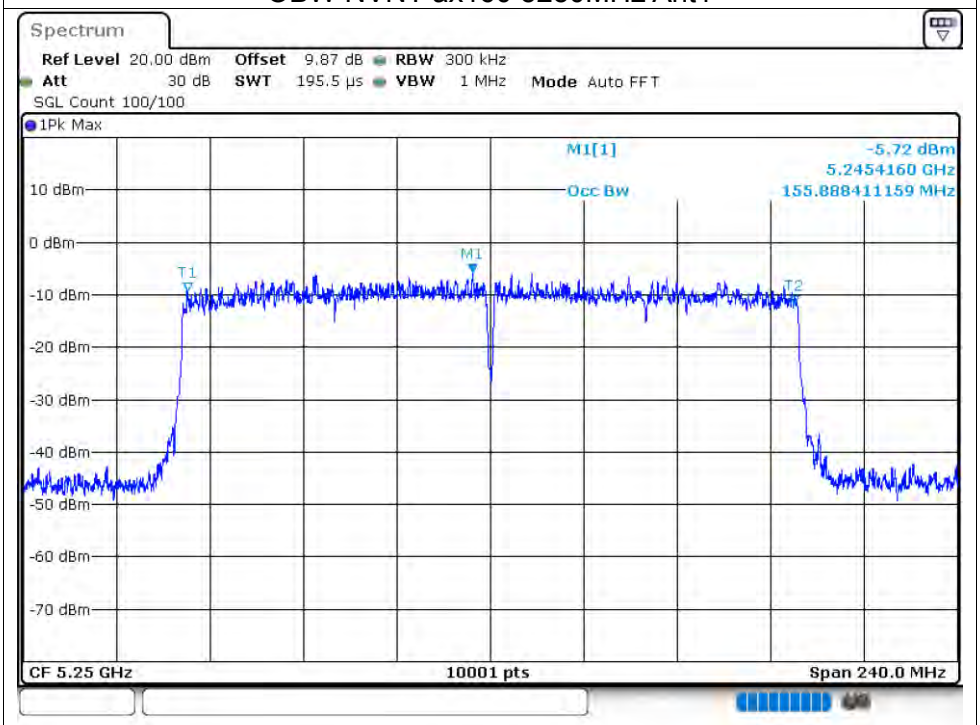
OBW NVNT ac160 5250MHz Ant1



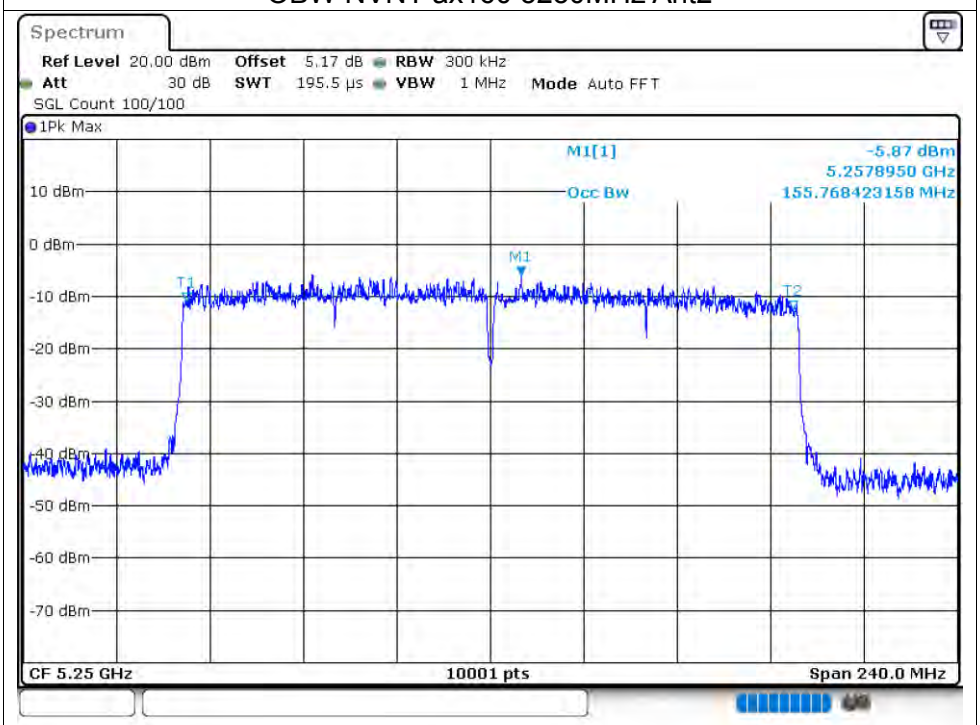
OBW NVNT ac160 5250MHz Ant2



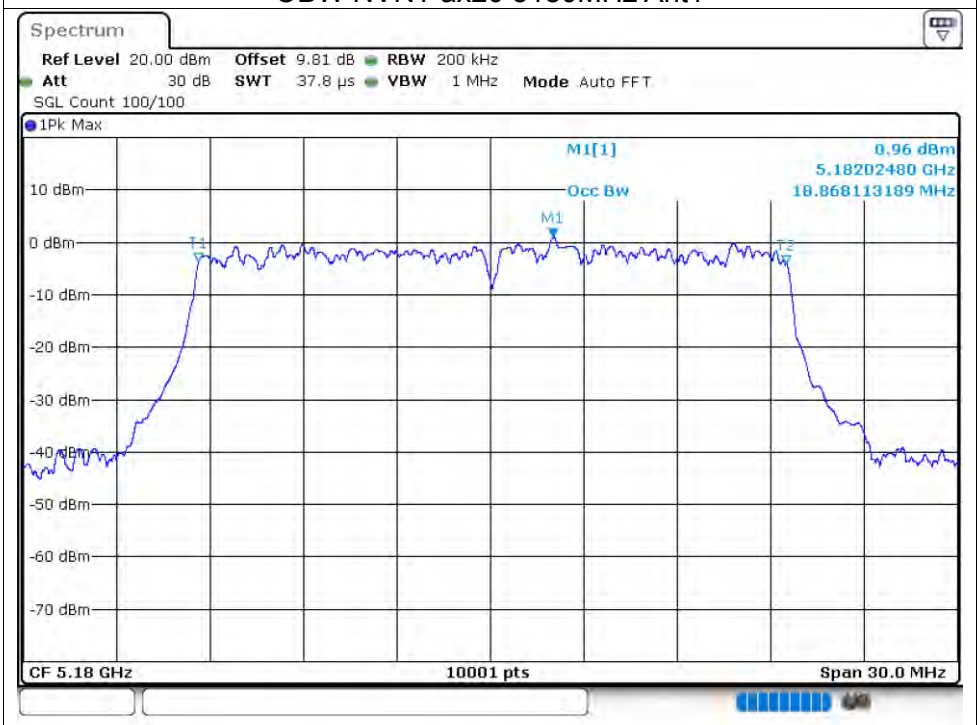
OBW NVNT ax160 5250MHz Ant1



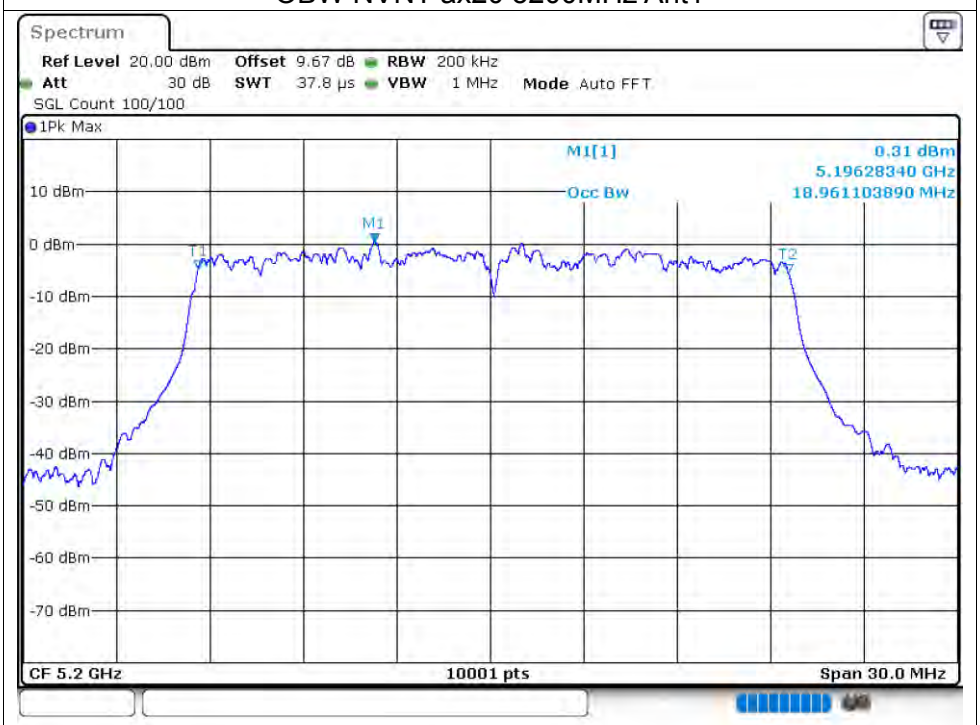
OBW NVNT ax160 5250MHz Ant2



OBW NVNT ax20 5180MHz Ant1



OBW NVNT ax20 5200MHz Ant1



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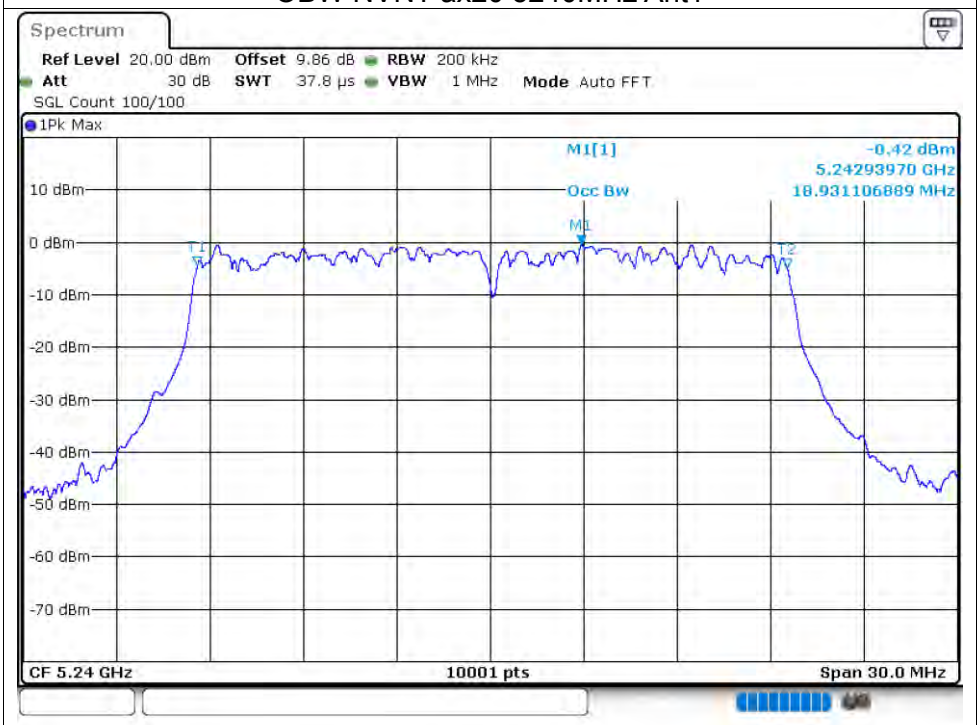
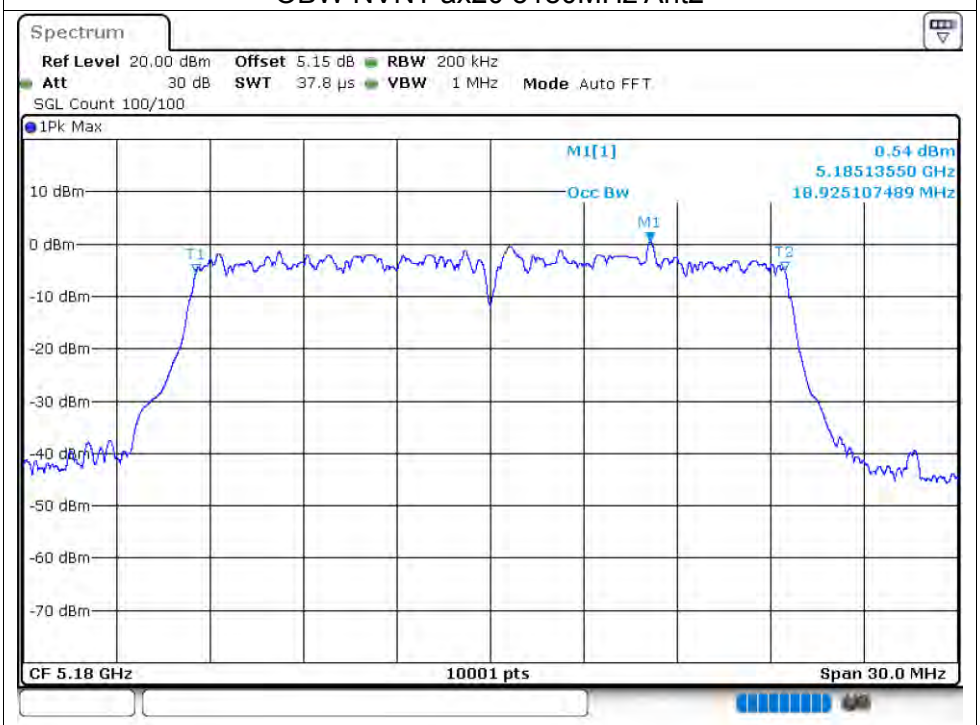


OBW NVNT ax20 5180MHz Ant2



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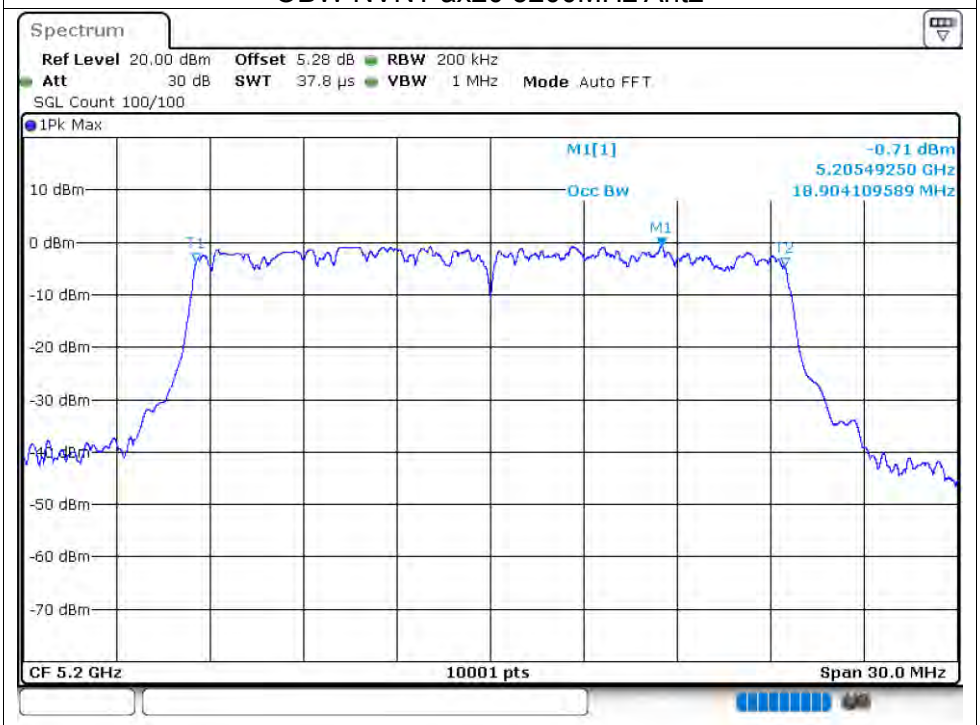

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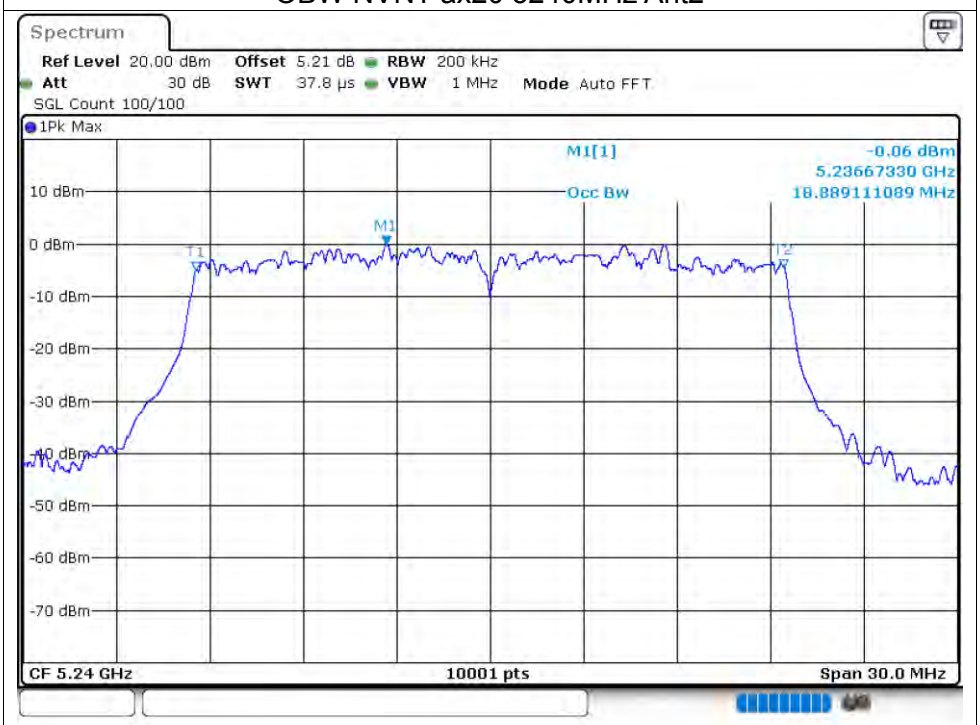

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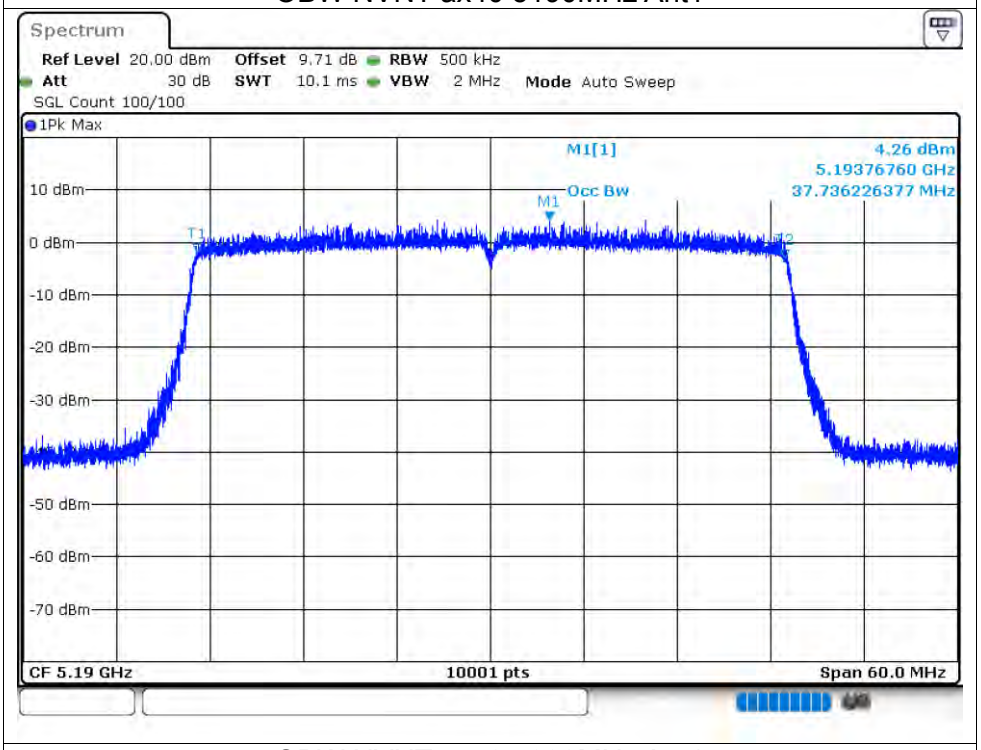
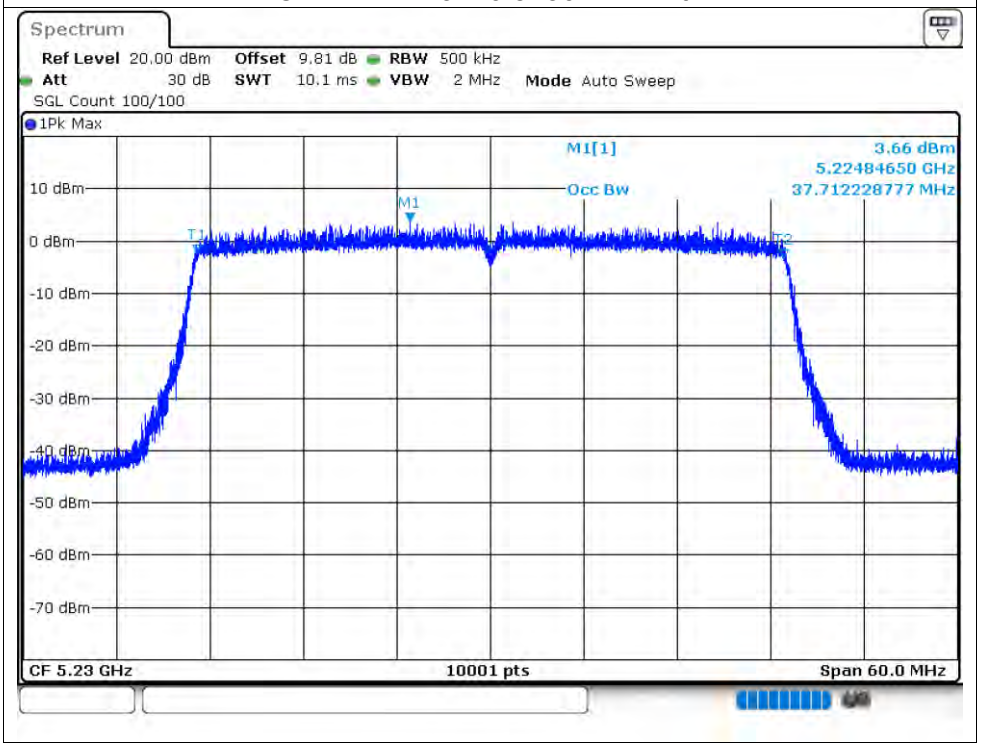
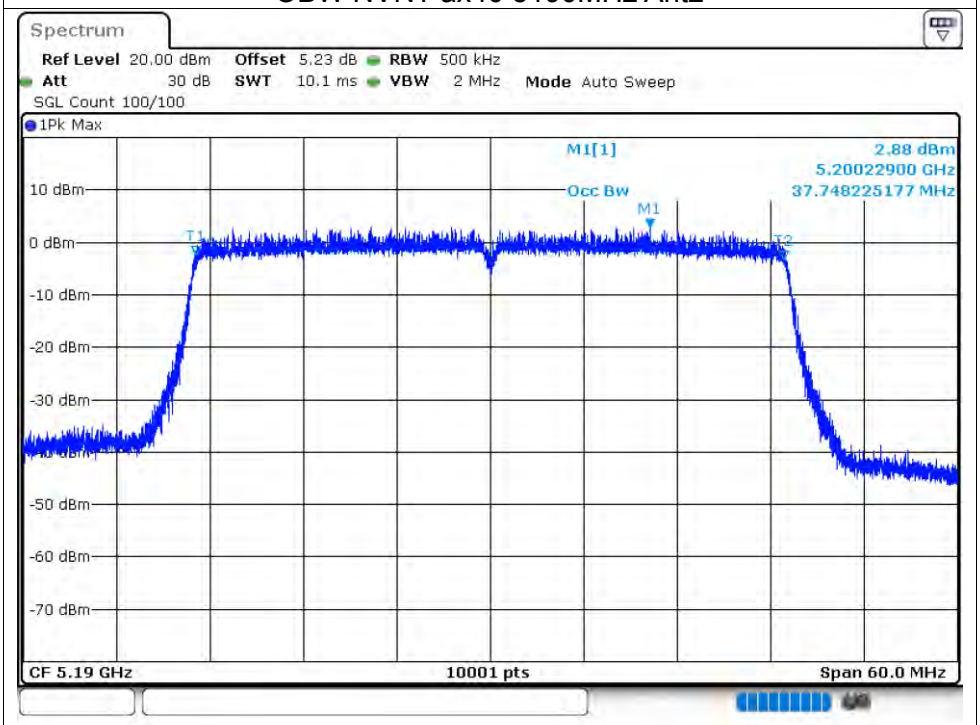


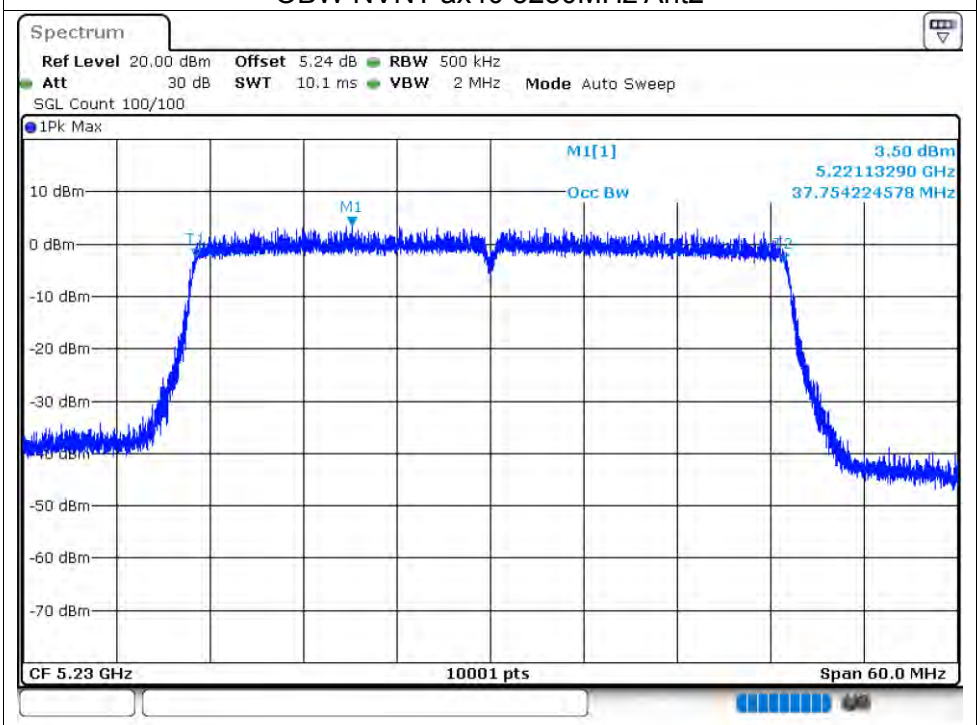
OBW NVNT ax40 5230MHz Ant1



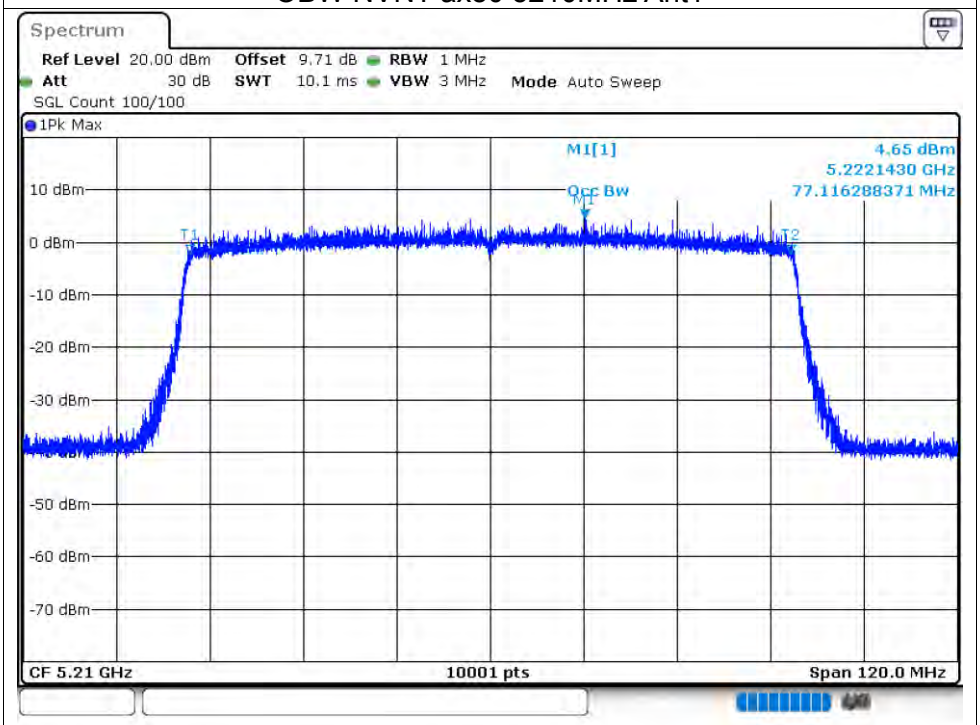
OBW NVNT ax40 5190MHz Ant2



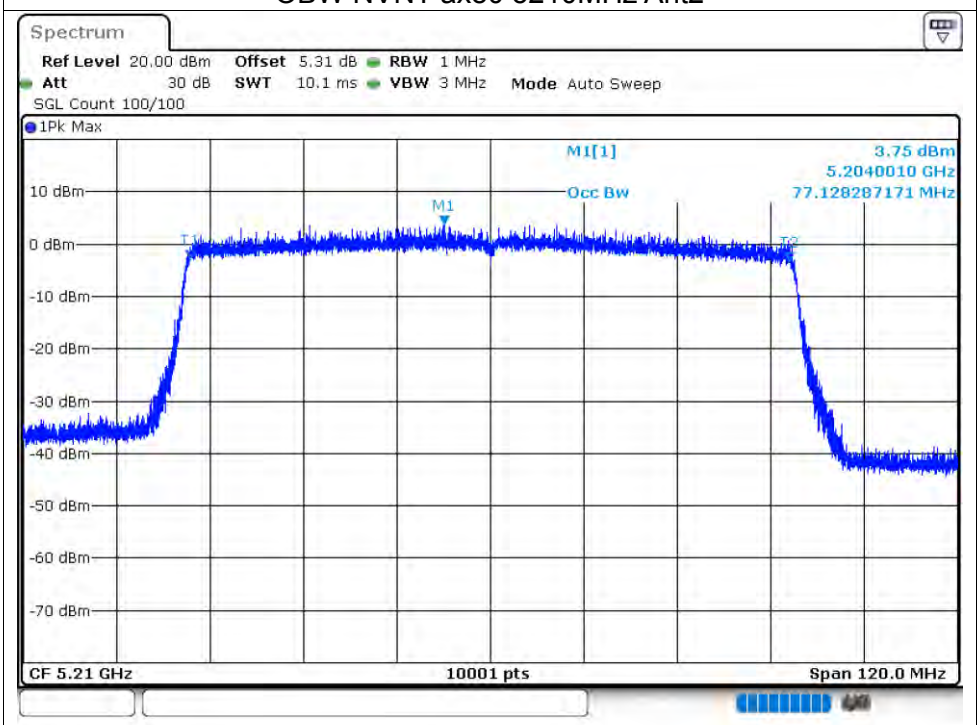
OBW NVNT ax40 5230MHz Ant2



OBW NVNT ax80 5210MHz Ant1



OBW NVNT ax80 5210MHz Ant2

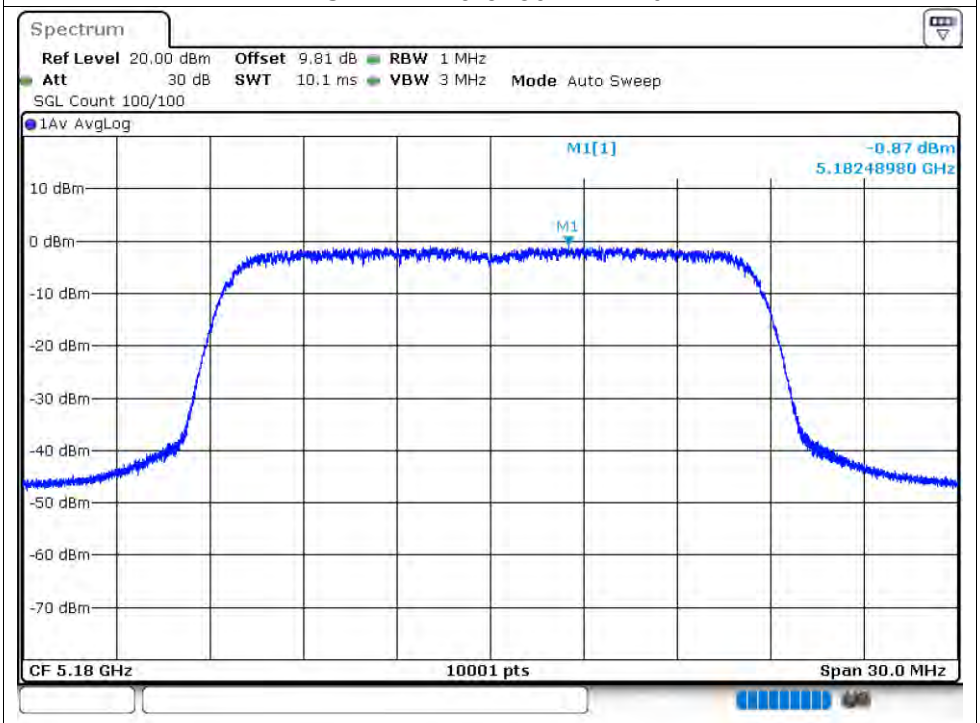


7.1.5 MAXIMUM POWER SPECTRAL DENSITY LEVEL

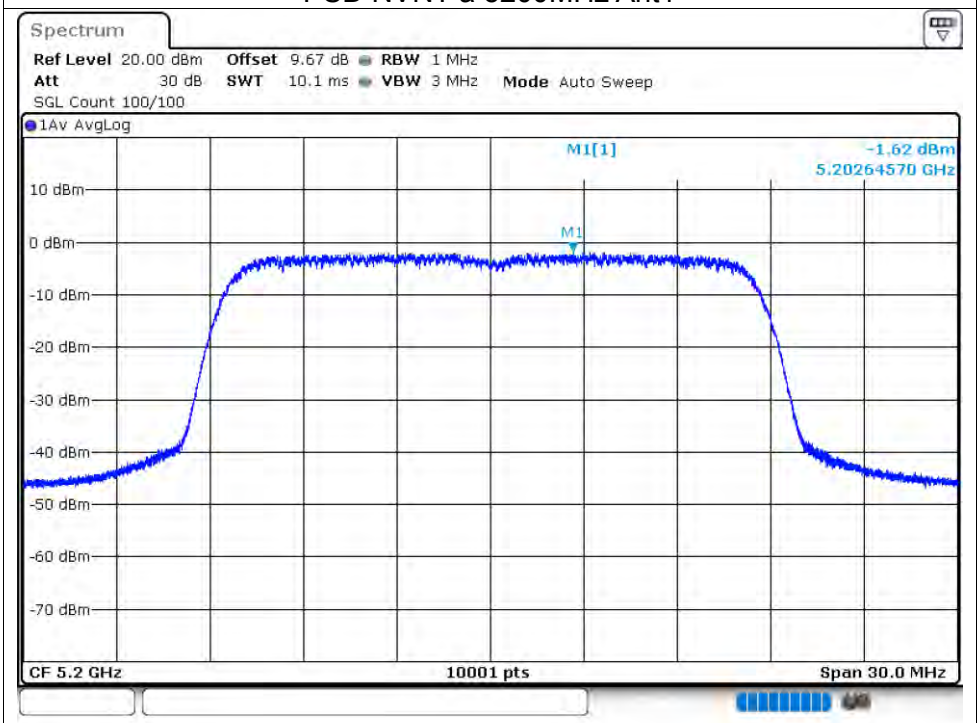
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-0.87	-	11	Pass
NVNT	a	5200	Ant1	-1.62	-	11	Pass
NVNT	a	5240	Ant1	-1.18	-	11	Pass
NVNT	a	5180	Ant2	-1.83	-	11	Pass
NVNT	a	5200	Ant2	-1.09	-	11	Pass
NVNT	a	5240	Ant2	-1.72	-	11	Pass
NVNT	n20	5180	Ant1	-1.43	1.14	11	Pass
NVNT	n20	5180	Ant2	-2.37			
NVNT	n20	5200	Ant1	-2.26	1.17	11	Pass
NVNT	n20	5200	Ant2	-1.45			
NVNT	n20	5240	Ant1	-1.56	1.24	11	Pass
NVNT	n20	5240	Ant2	-2.01			
NVNT	n40	5190	Ant1	-4.28	-1.67	11	Pass
NVNT	n40	5190	Ant2	-5.06			
NVNT	n40	5230	Ant1	-4.55	-1.67	11	Pass
NVNT	n40	5230	Ant2	-4.79			
NVNT	ac20	5180	Ant1	-1.23	1.21	11	Pass
NVNT	ac20	5180	Ant2	-2.45			
NVNT	ac20	5200	Ant1	-2.18	1.14	11	Pass
NVNT	ac20	5200	Ant2	-1.61			
NVNT	ac20	5240	Ant1	-1.63	1.17	11	Pass
NVNT	ac20	5240	Ant2	-2.05			
NVNT	ac40	5190	Ant1	-4.2	-1.67	11	Pass
NVNT	ac40	5190	Ant2	-5.22			
NVNT	ac40	5230	Ant1	-4.37	-1.55	11	Pass
NVNT	ac40	5230	Ant2	-4.85			
NVNT	ac80	5210	Ant1	-8.08	-4.95	11	Pass
NVNT	ac80	5210	Ant2	-8.02			
NVNT	ac160	5250	Ant1	-10.85	-7.70	11	Pass
NVNT	ac160	5250	Ant2	-10.47			
NVNT	ax160	5250	Ant1	-10.96	-7.96	11	Pass
NVNT	ax160	5250	Ant2	-10.85			
NVNT	ax20	5180	Ant1	-1.68	0.79	11	Pass
NVNT	ax20	5180	Ant2	-2.86			
NVNT	ax20	5200	Ant1	-2.66	0.68	11	Pass
NVNT	ax20	5200	Ant2	-2.04			
NVNT	ax20	5240	Ant1	-1.69	0.90	11	Pass
NVNT	ax20	5240	Ant2	-2.61			
NVNT	ax40	5190	Ant1	-4.56	-2.08	11	Pass
NVNT	ax40	5190	Ant2	-5.73			
NVNT	ax40	5230	Ant1	-4.88	-2.01	11	Pass
NVNT	ax40	5230	Ant2	-5.22			
NVNT	ax80	5210	Ant1	-7.96	-5.09	11	Pass
NVNT	ax80	5210	Ant2	-8.35			

Test Graphs

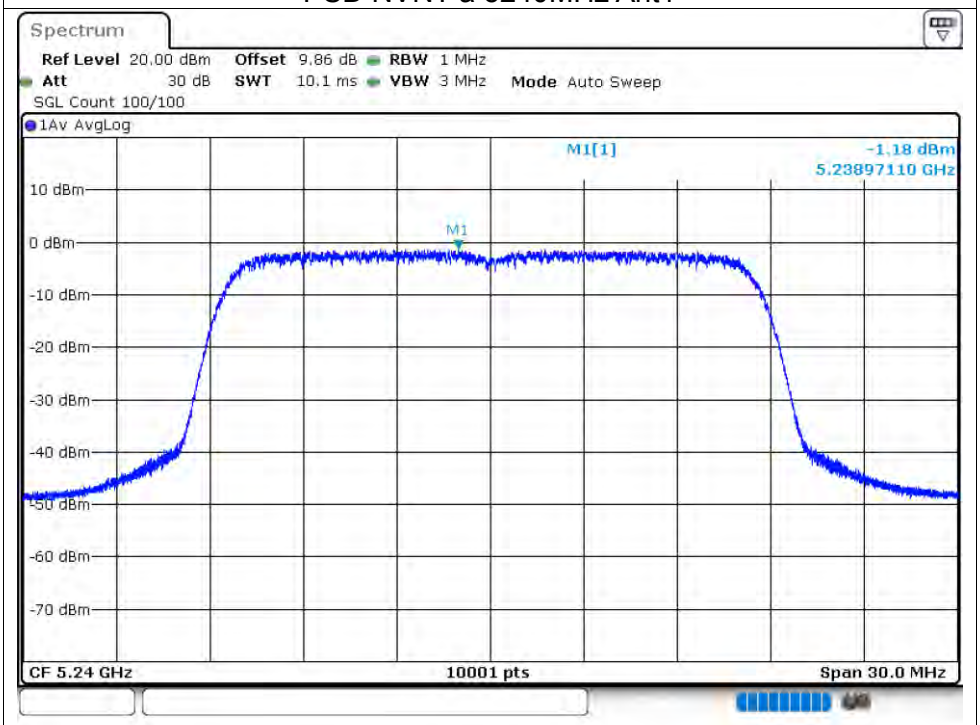
PSD NVNT a 5180MHz Ant1



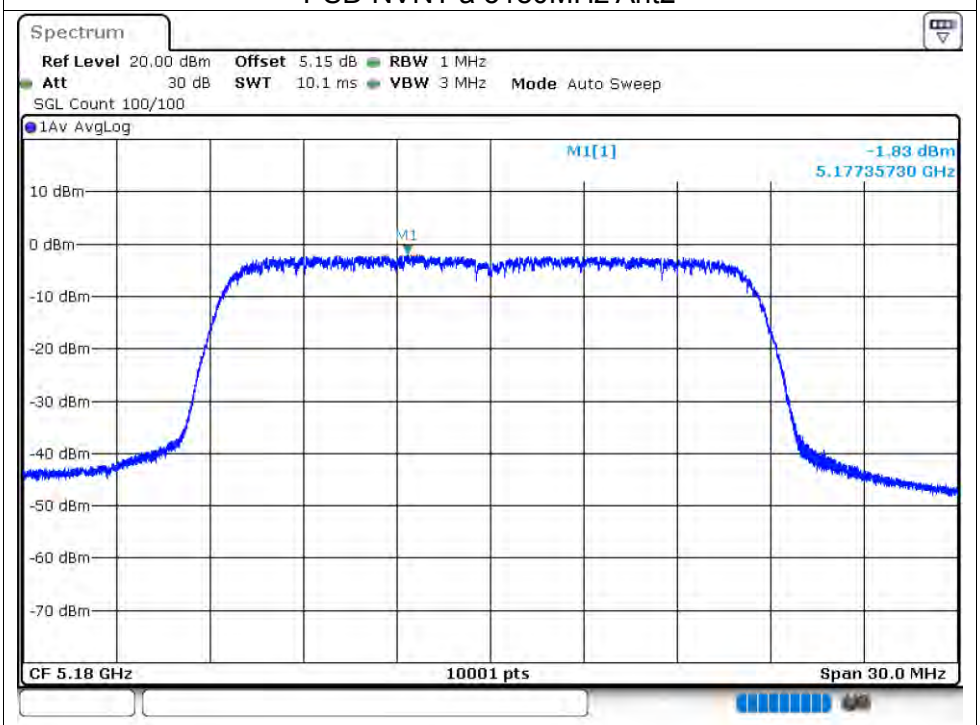
PSD NVNT a 5200MHz Ant1



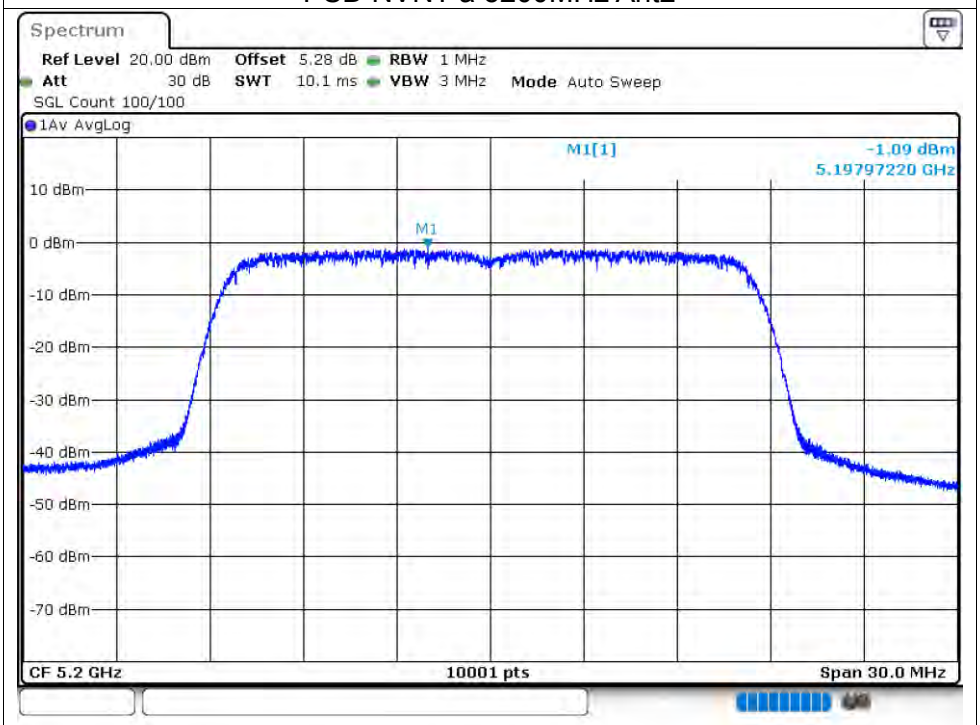
PSD NVNT a 5240MHz Ant1



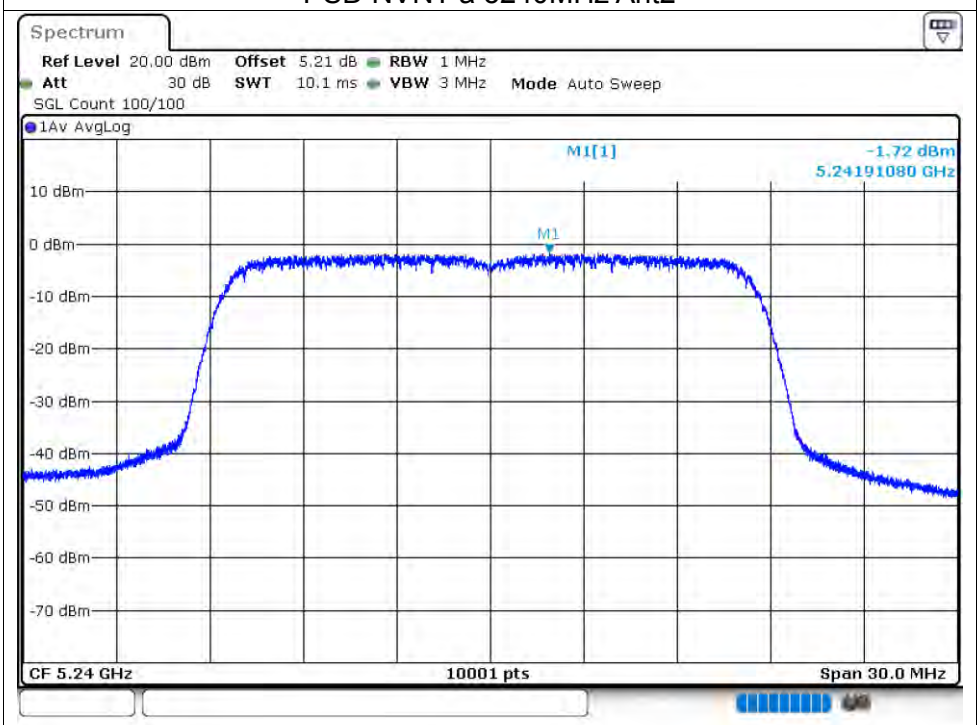
PSD NVNT a 5180MHz Ant2



PSD NVNT a 5200MHz Ant2



PSD NVNT a 5240MHz Ant2



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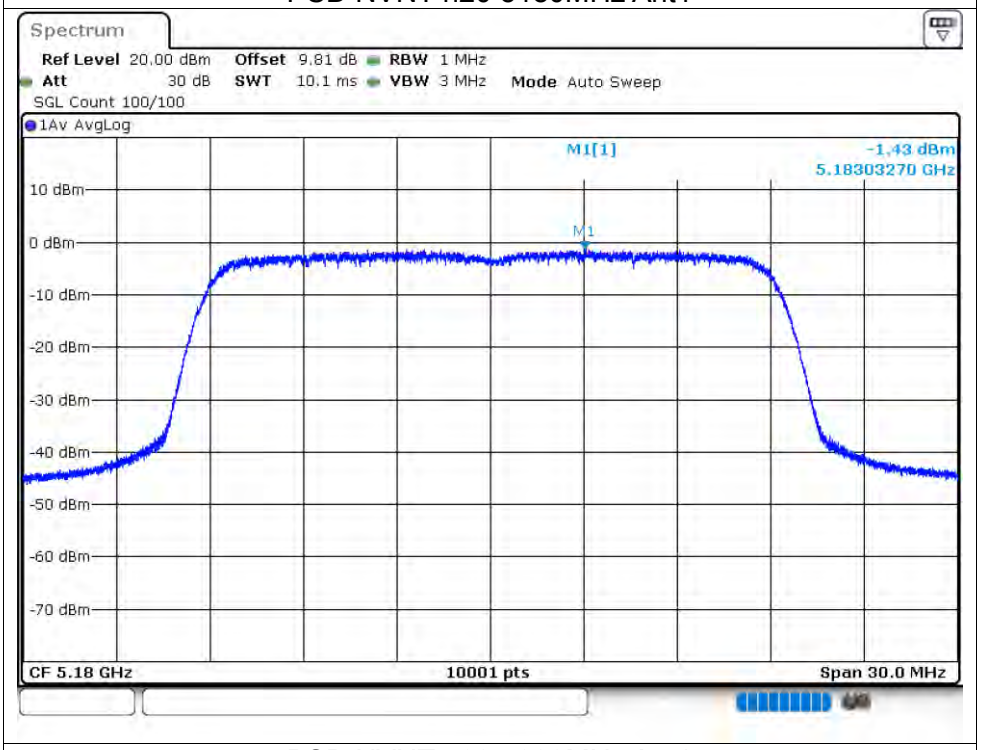
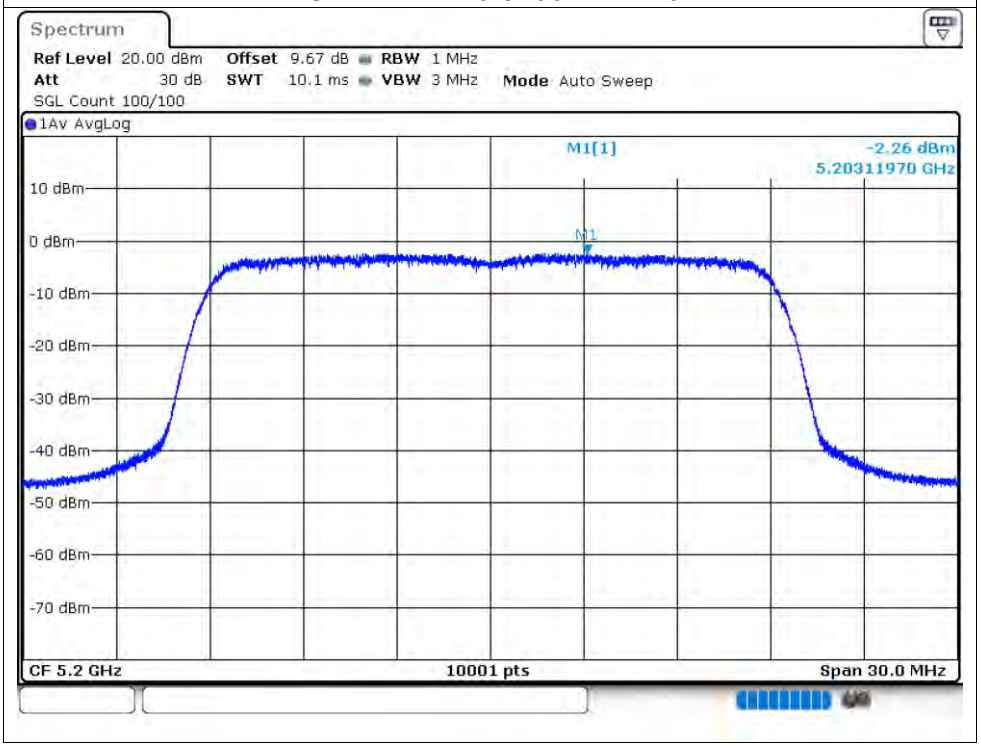
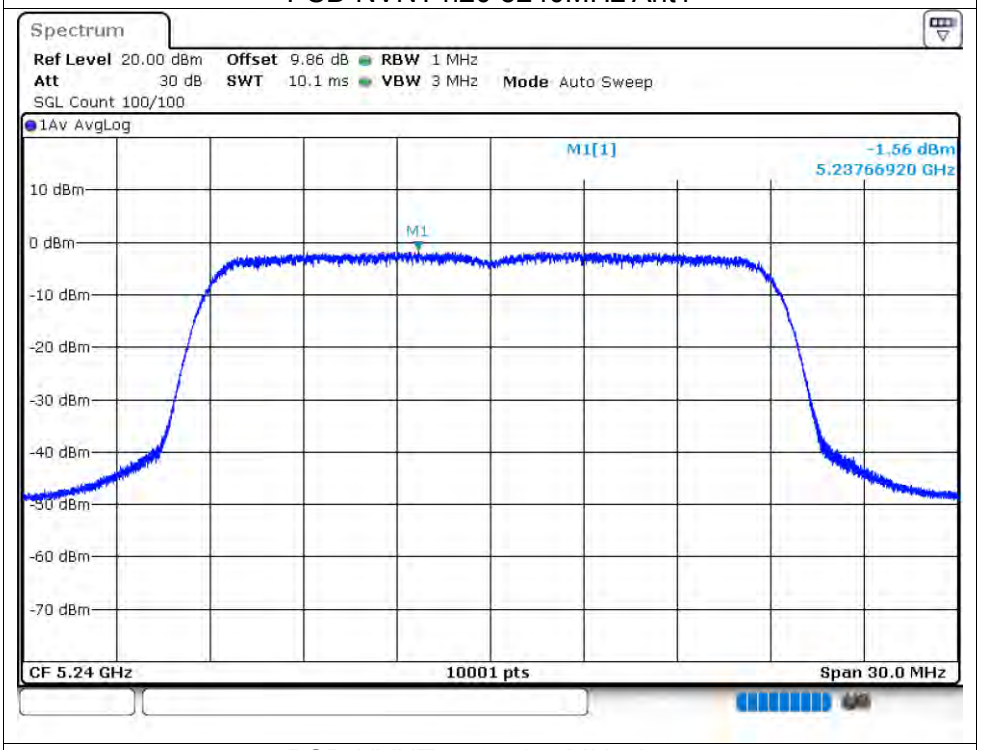


PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



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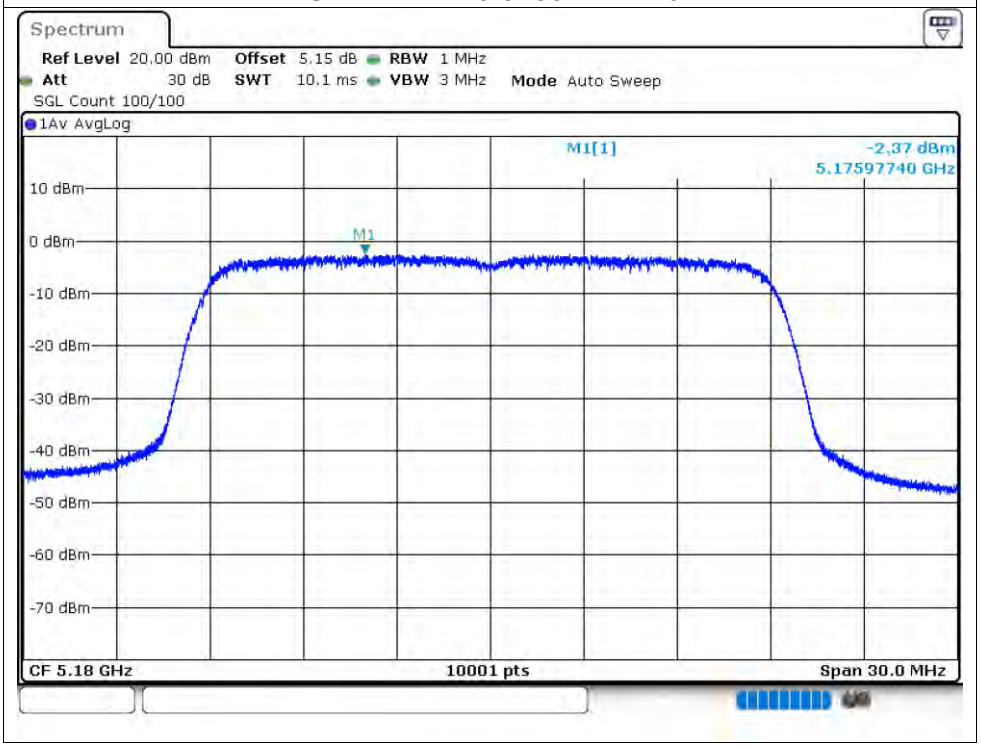
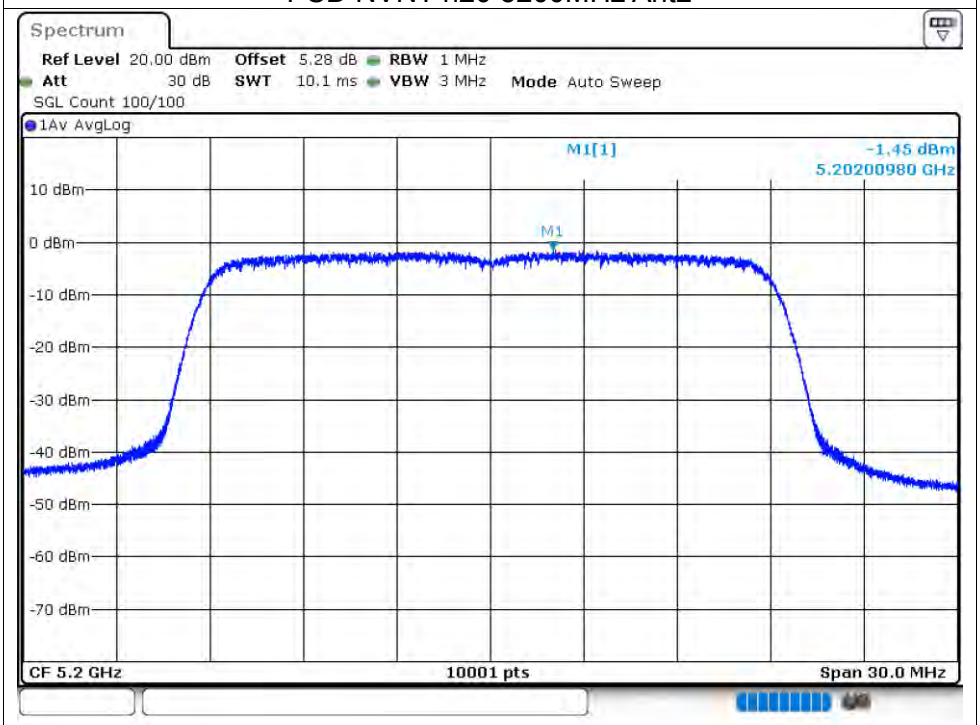
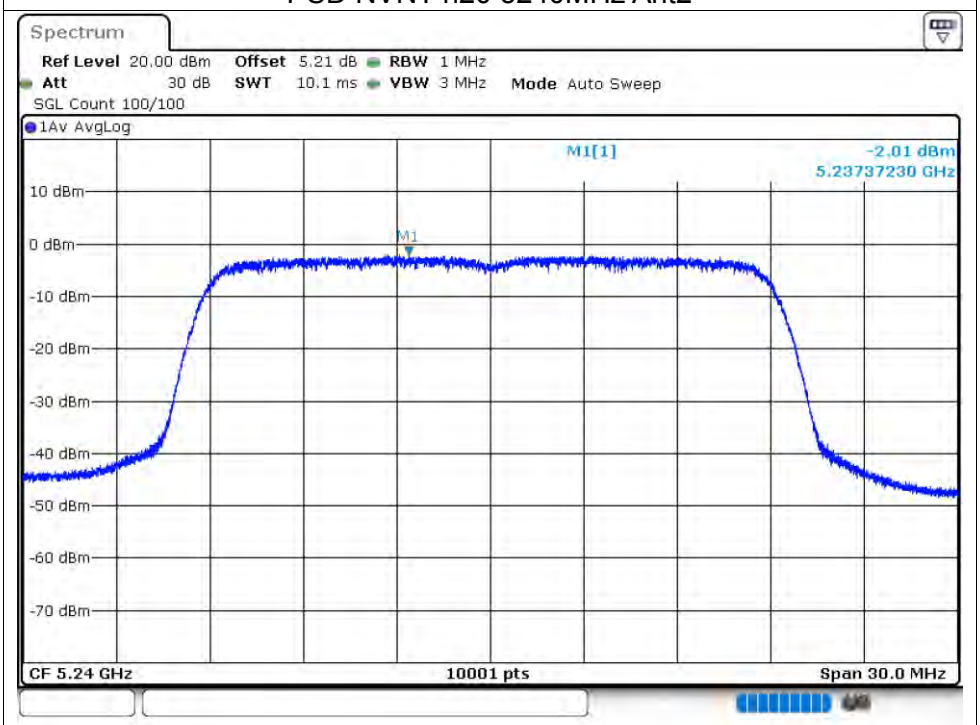


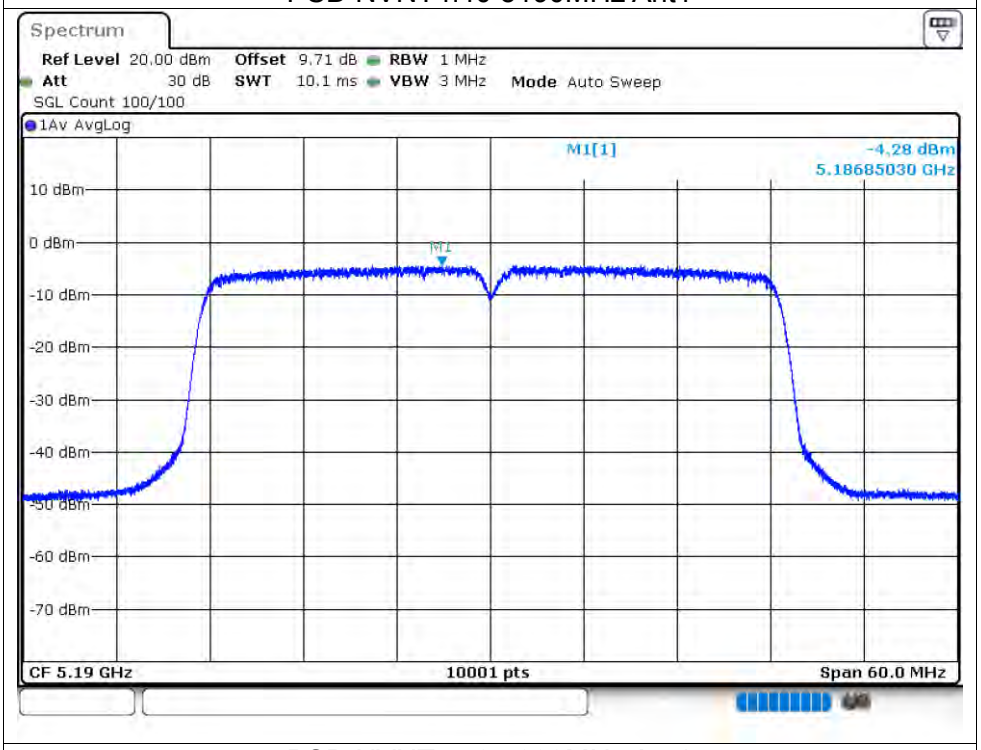
PSD NVNT n20 5200MHz Ant2



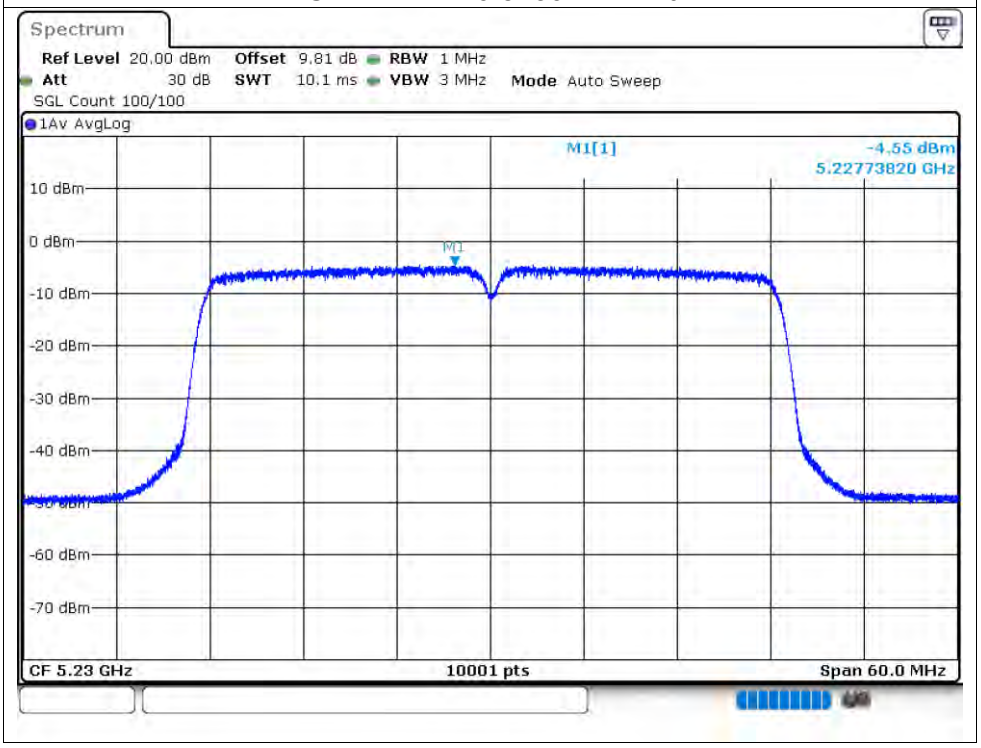
PSD NVNT n20 5240MHz Ant2



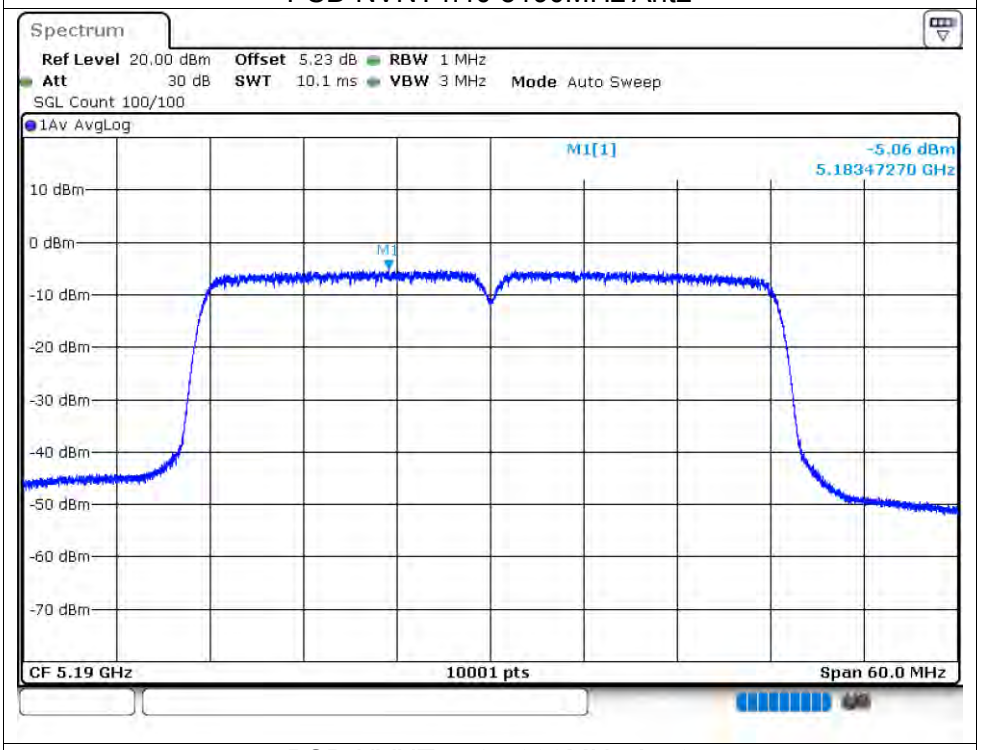
PSD NVNT n40 5190MHz Ant1



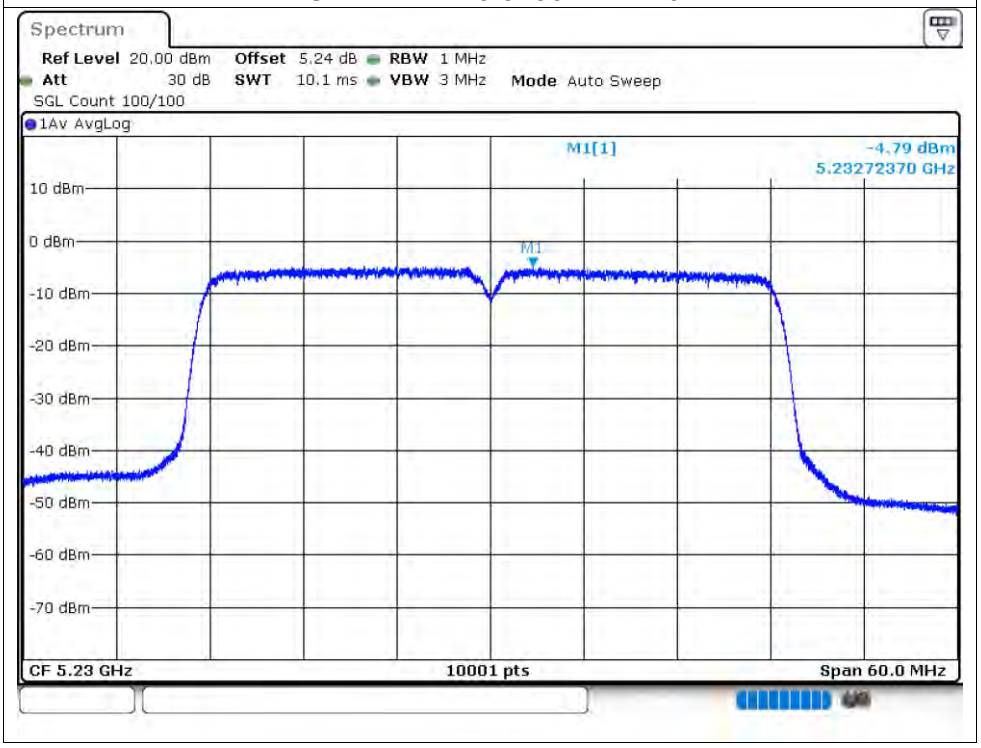
PSD NVNT n40 5230MHz Ant1



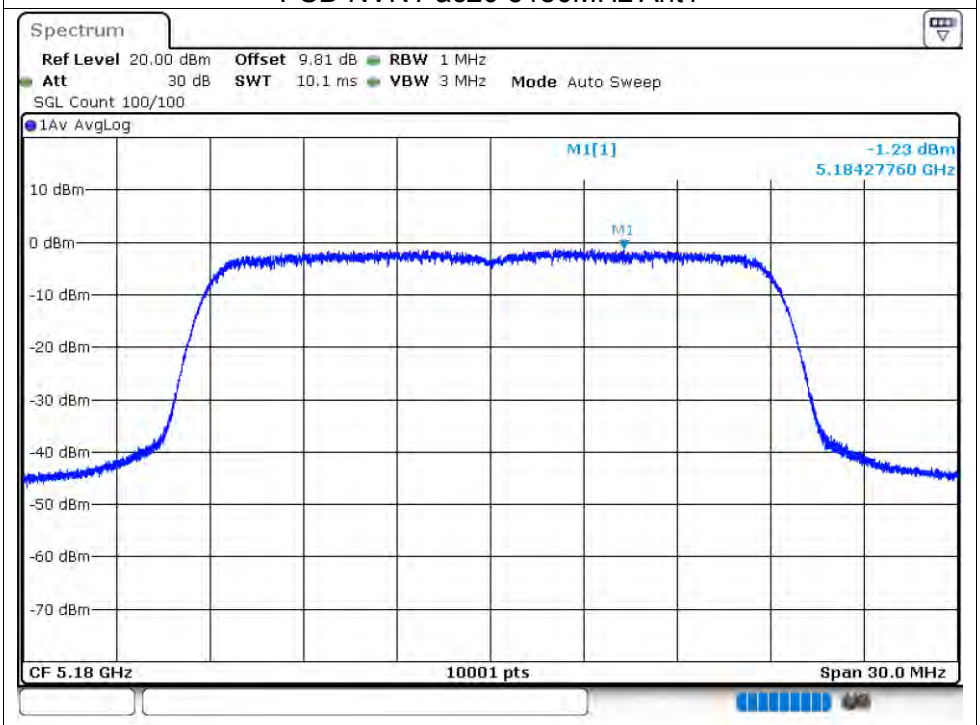
PSD NVNT n40 5190MHz Ant2



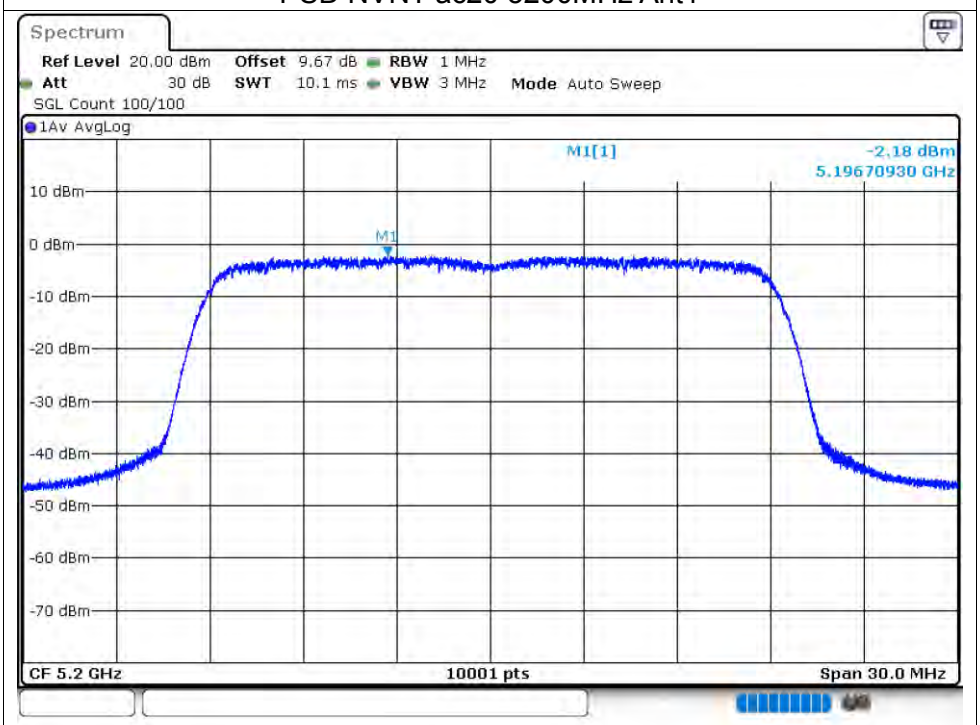
PSD NVNT n40 5230MHz Ant2



PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5200MHz Ant1



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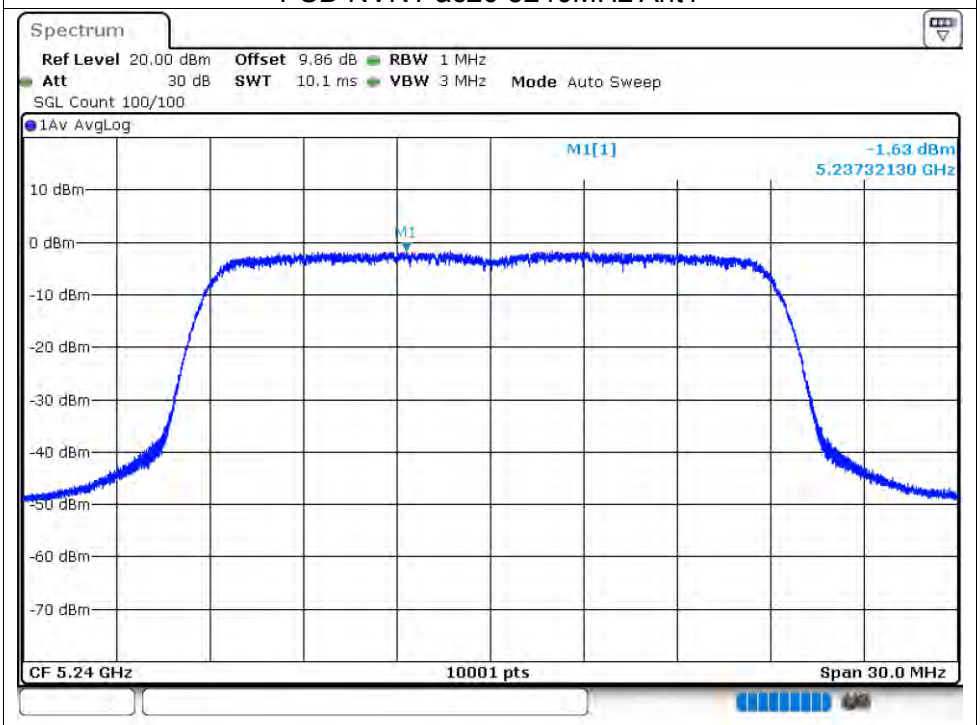
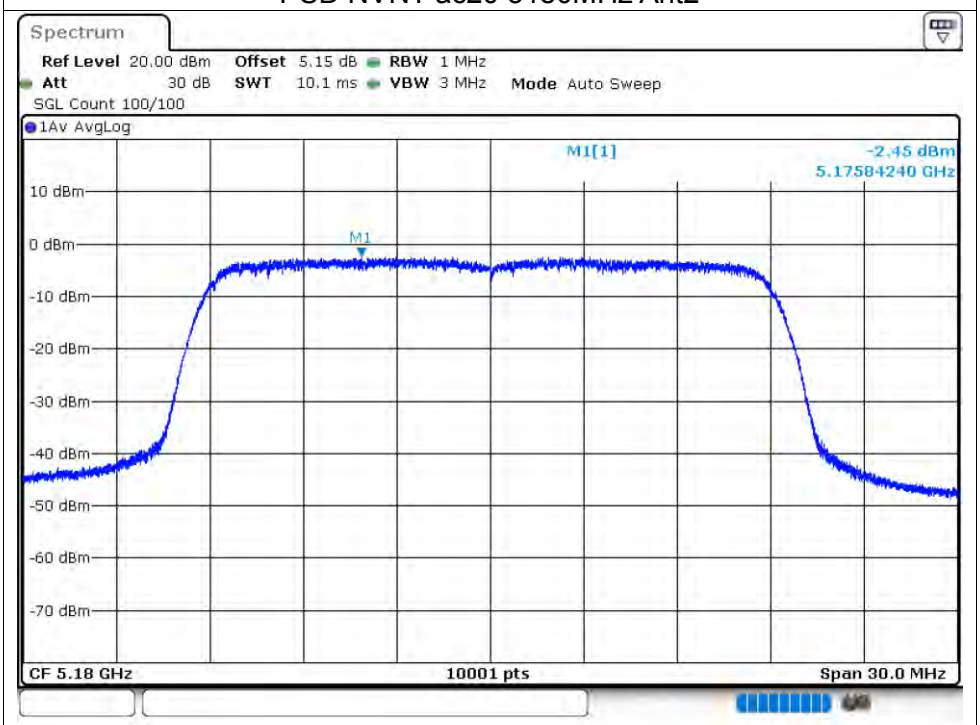
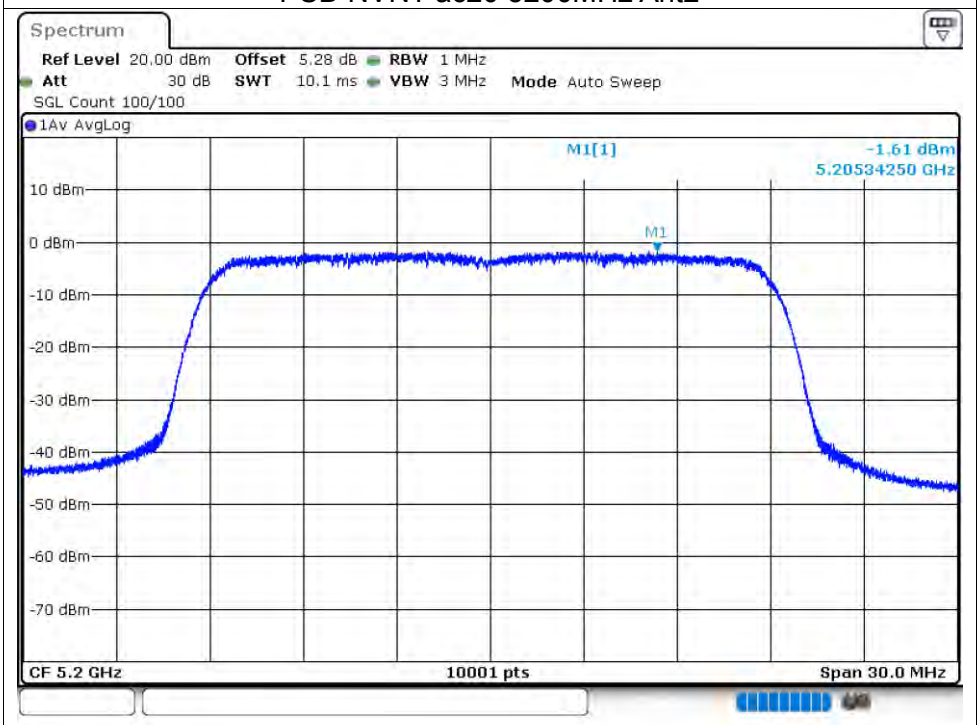


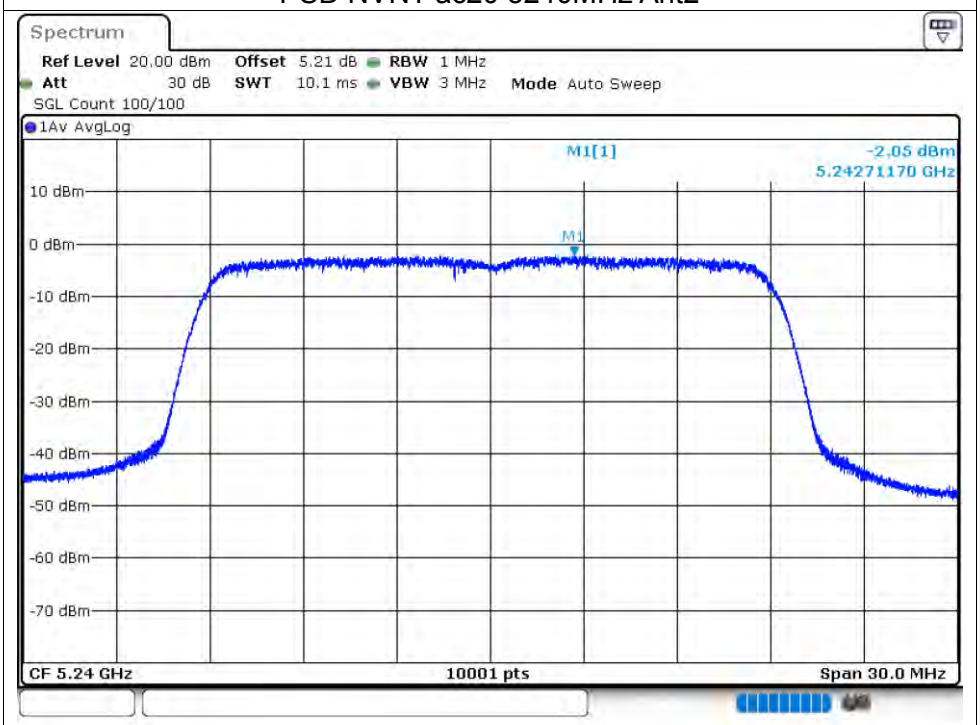
PSD NVNT ac20 5180MHz Ant2



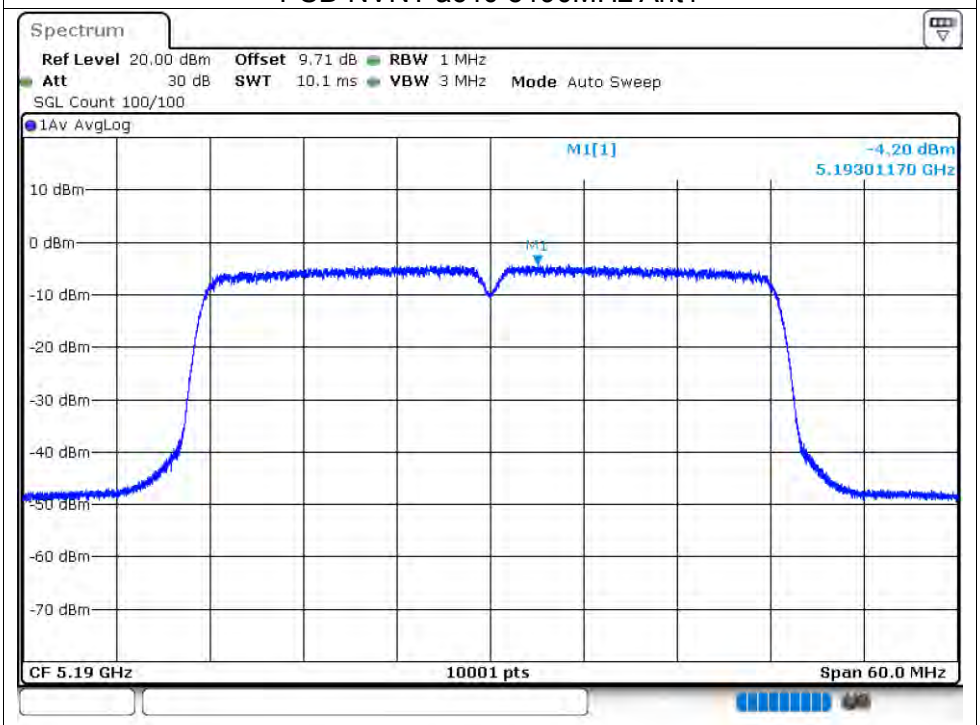
PSD NVNT ac20 5200MHz Ant2



PSD NVNT ac20 5240MHz Ant2



PSD NVNT ac40 5190MHz Ant1



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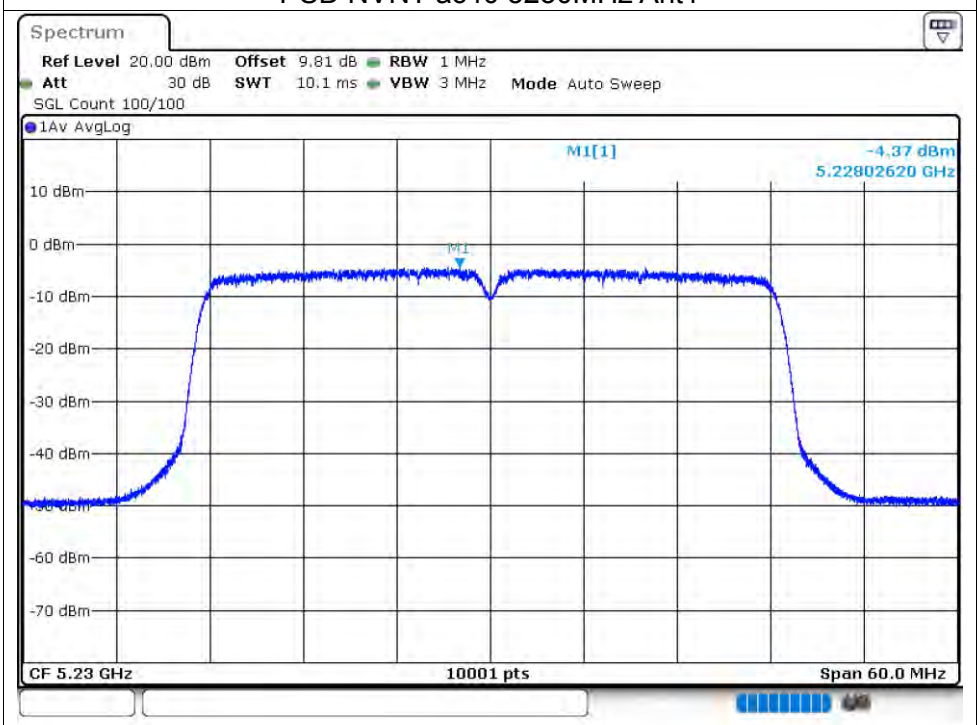
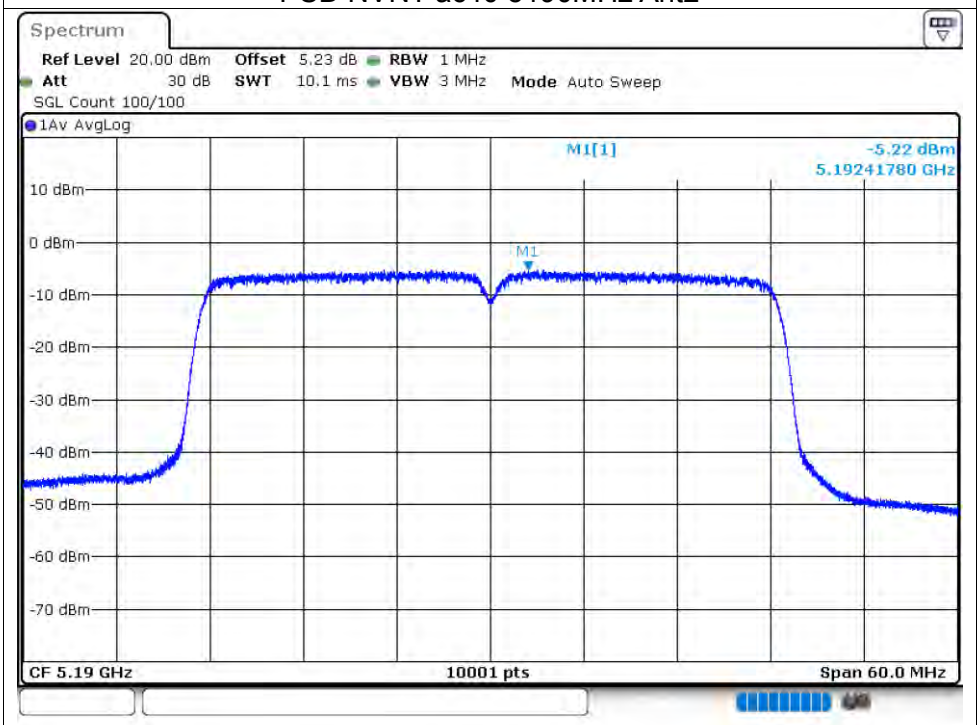
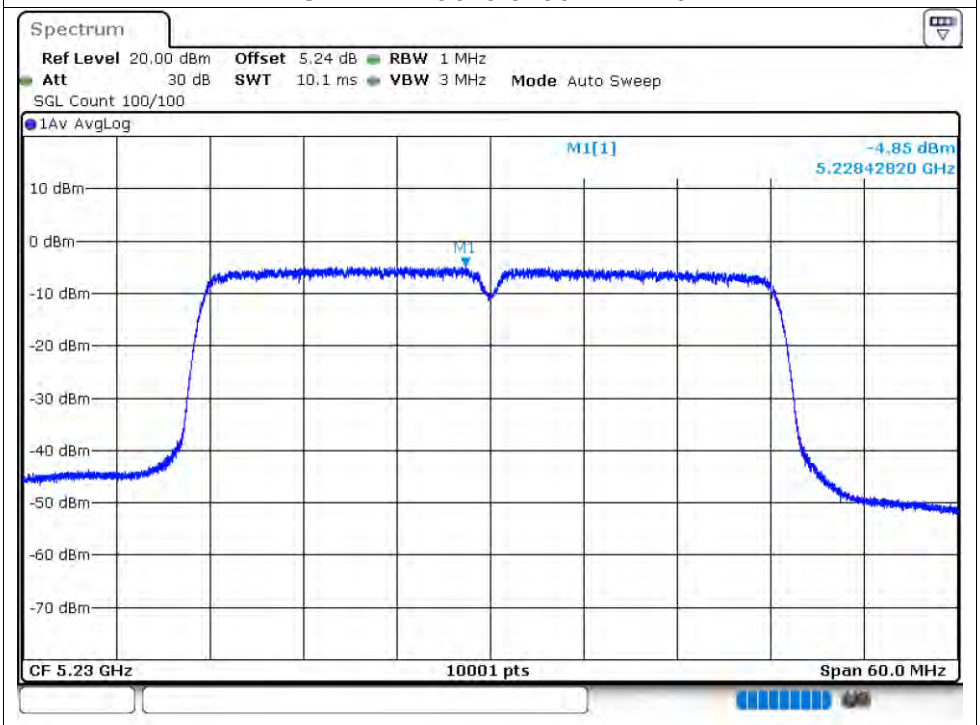


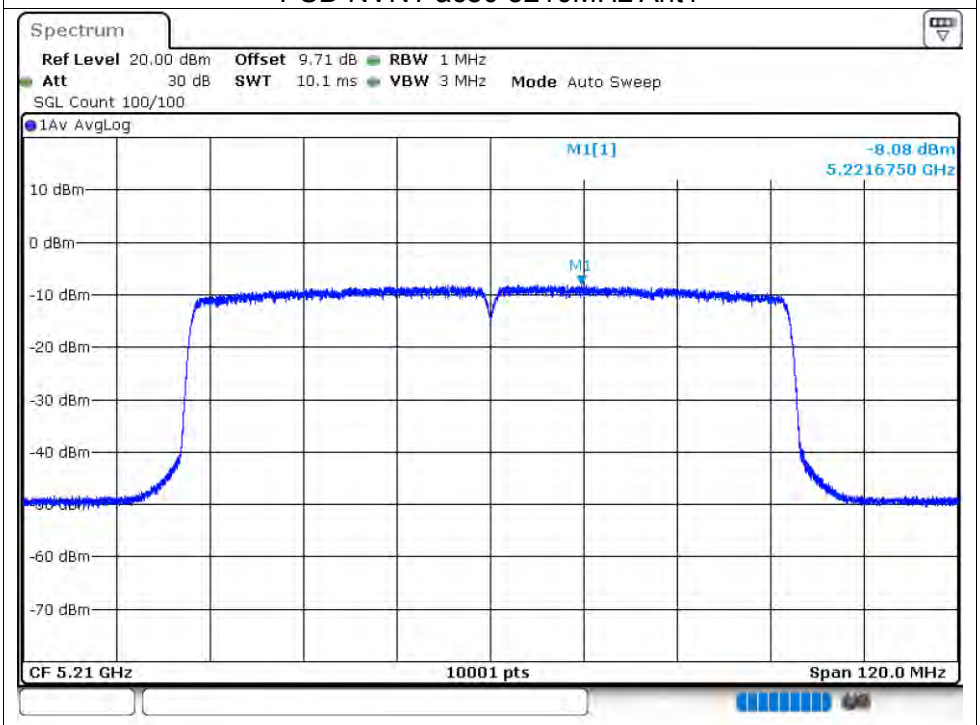
PSD NVNT ac40 5190MHz Ant2



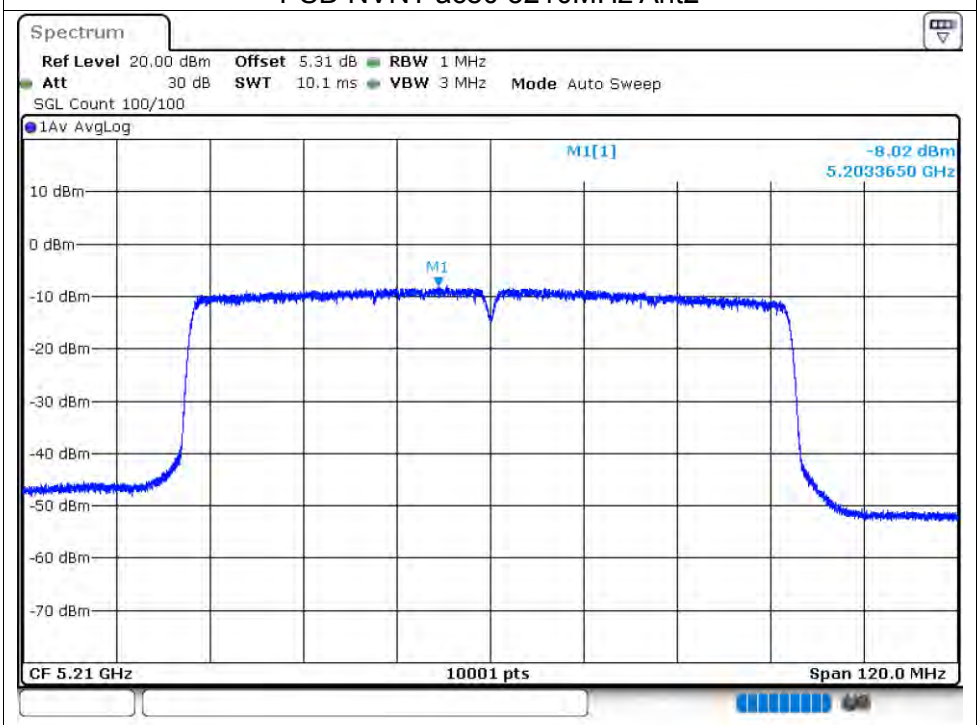
PSD NVNT ac40 5230MHz Ant2



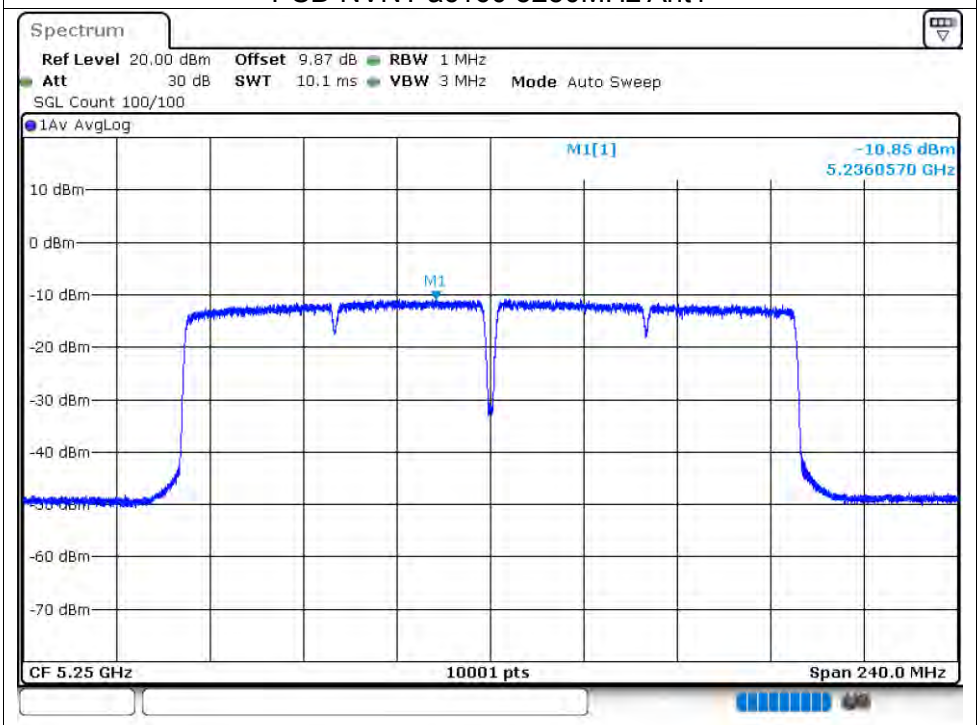
PSD NVNT ac80 5210MHz Ant1



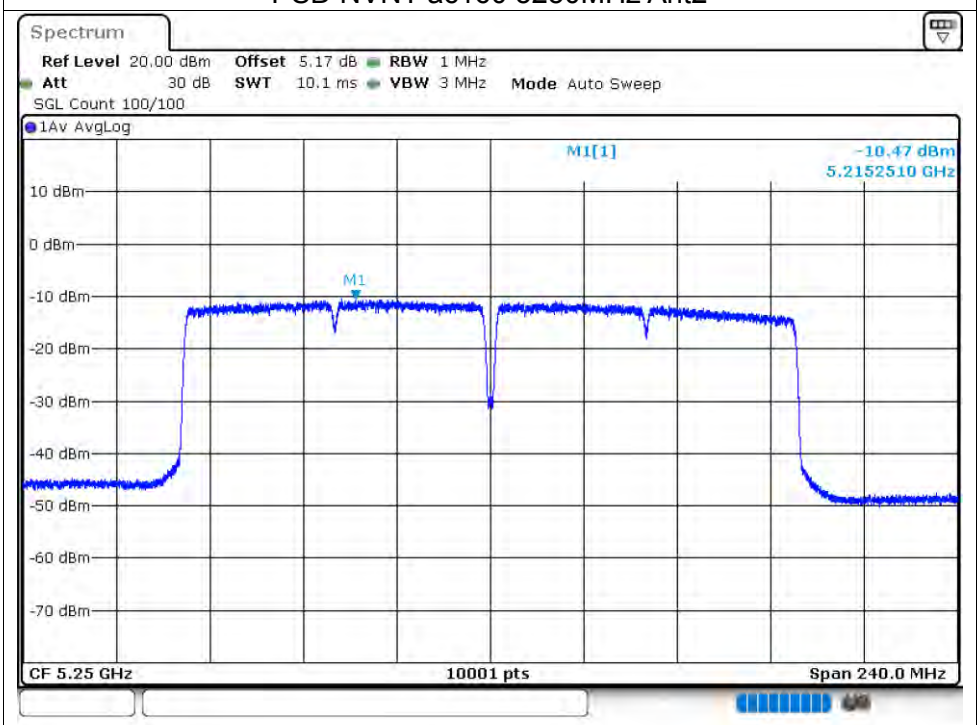
PSD NVNT ac80 5210MHz Ant2



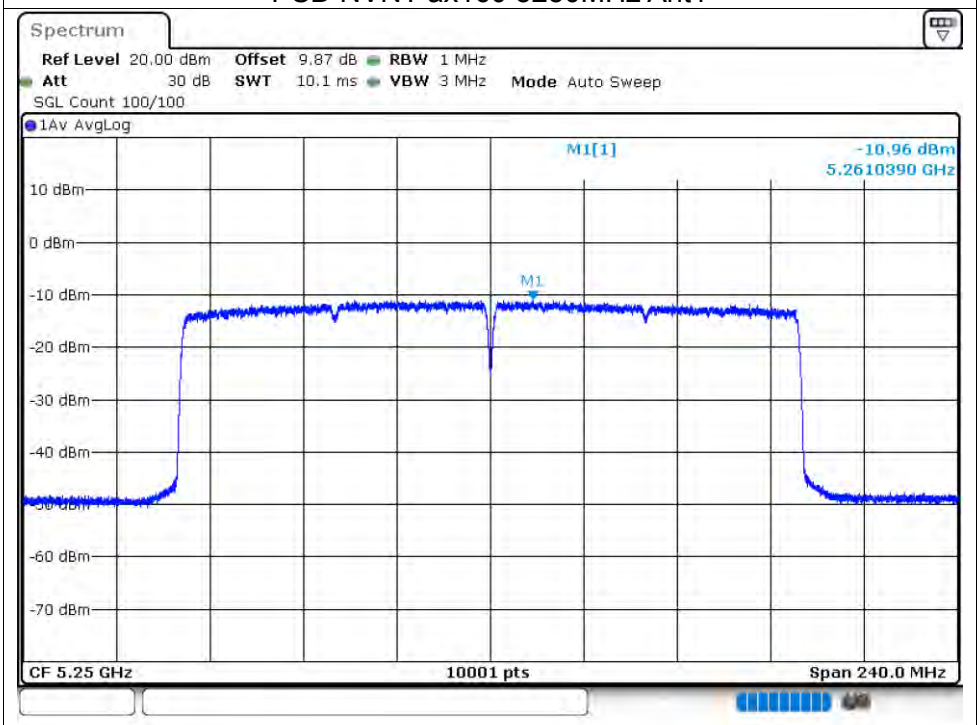
PSD NVNT ac160 5250MHz Ant1



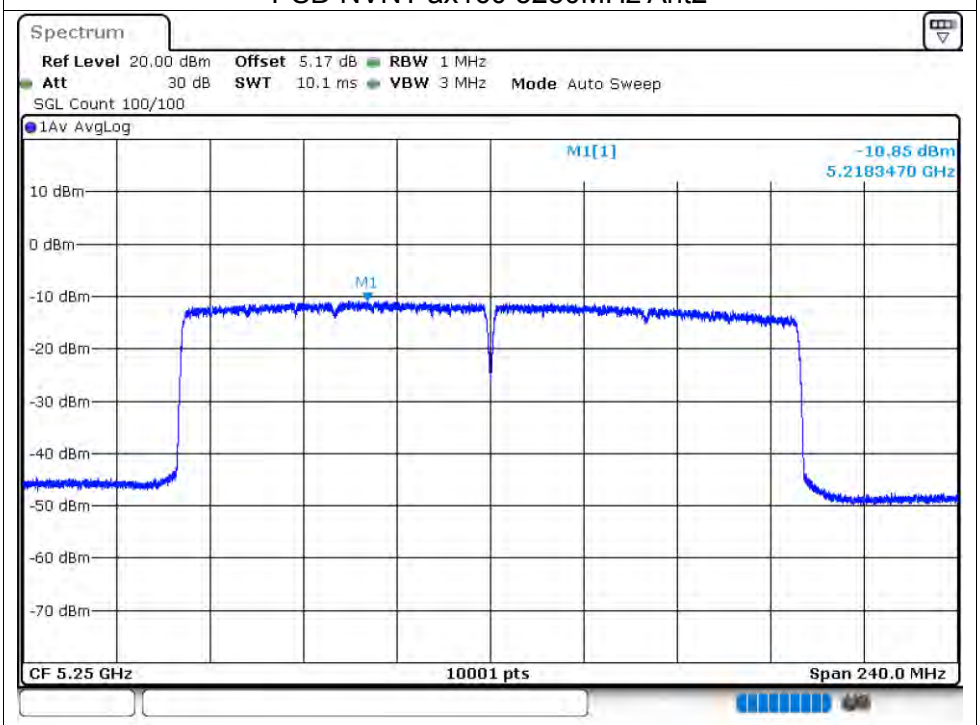
PSD NVNT ac160 5250MHz Ant2



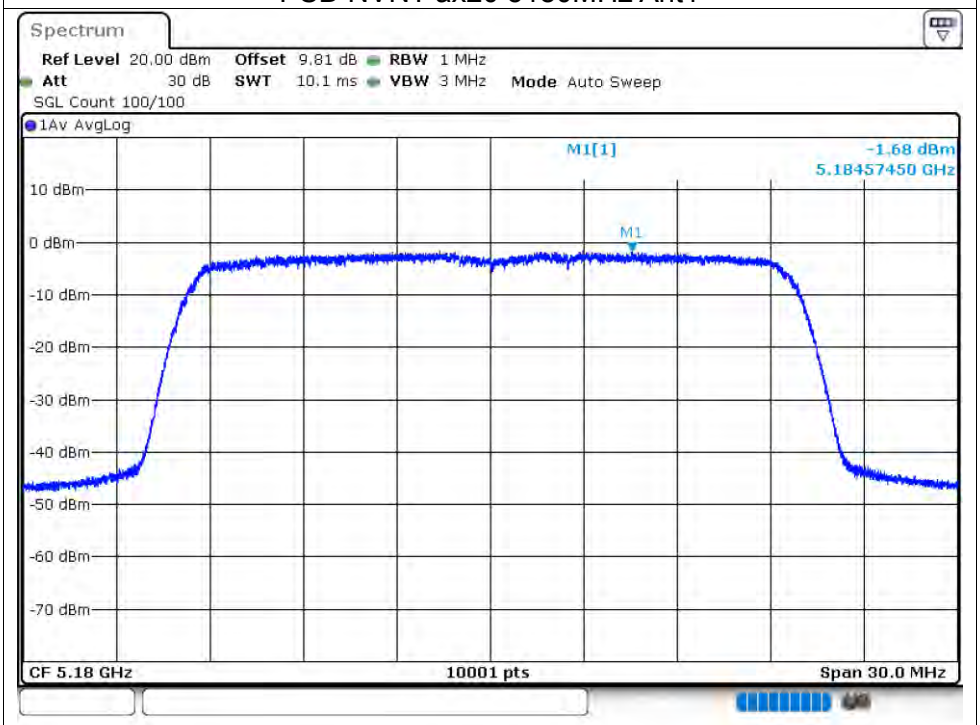
PSD NVNT ax160 5250MHz Ant1



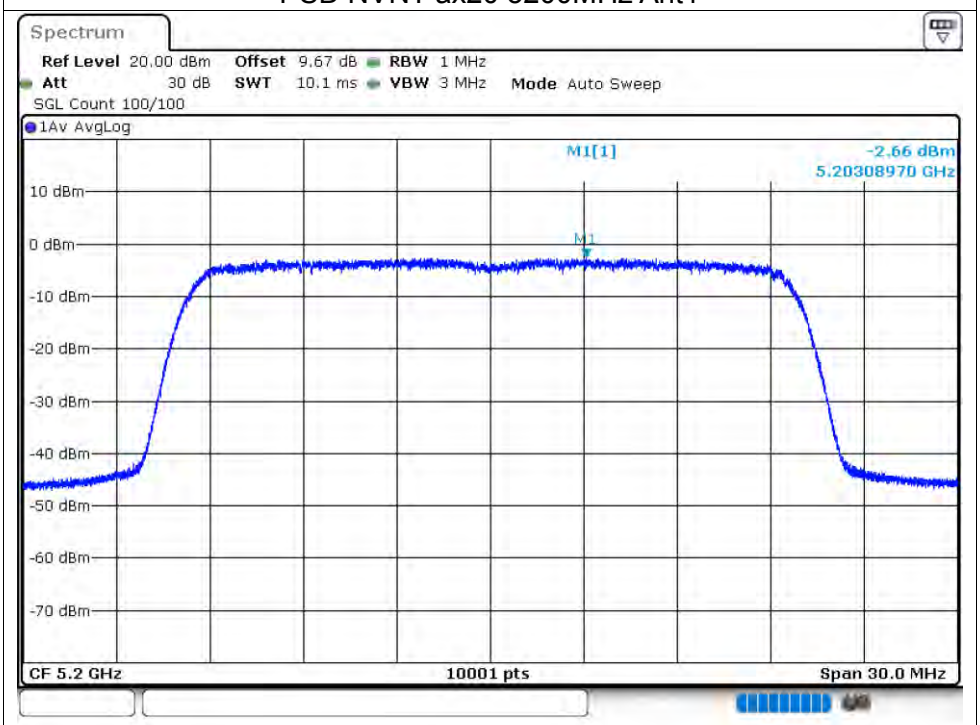
PSD NVNT ax160 5250MHz Ant2



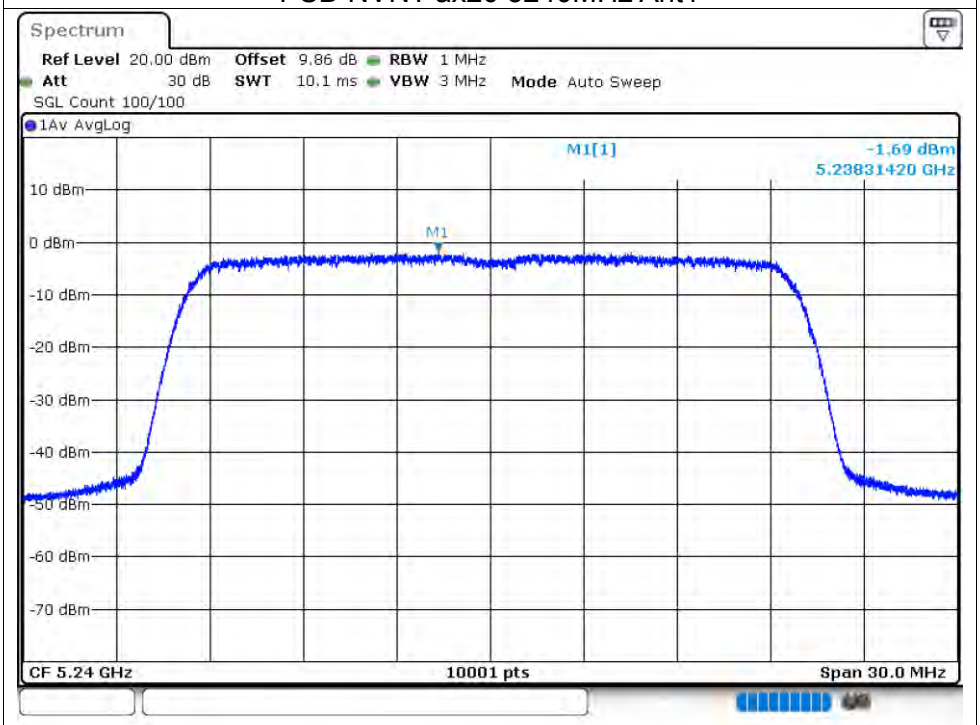
PSD NVNT ax20 5180MHz Ant1



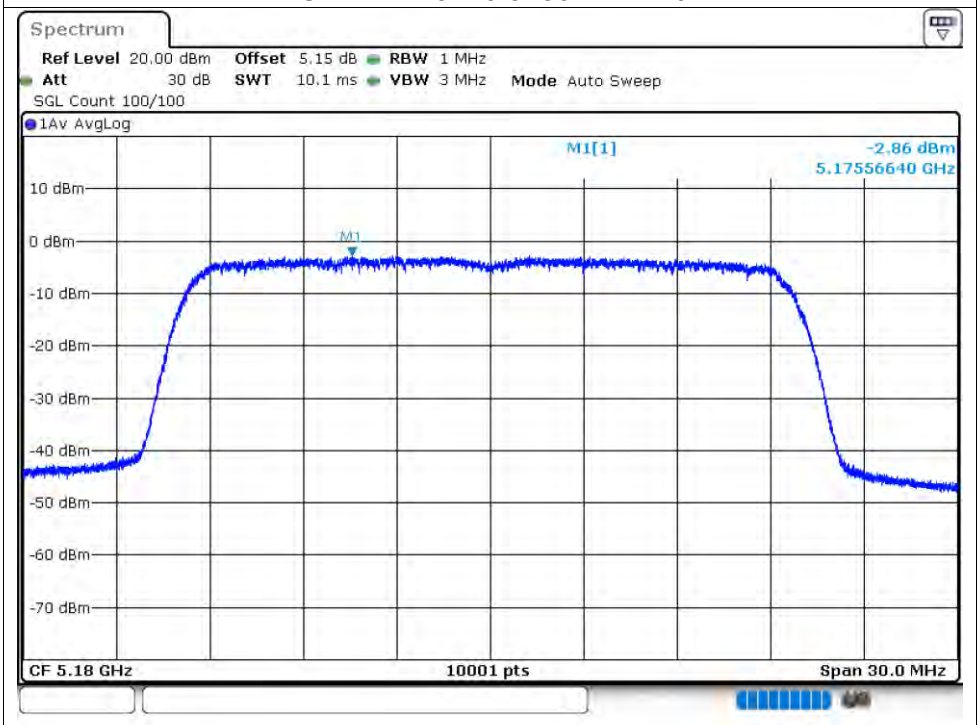
PSD NVNT ax20 5200MHz Ant1



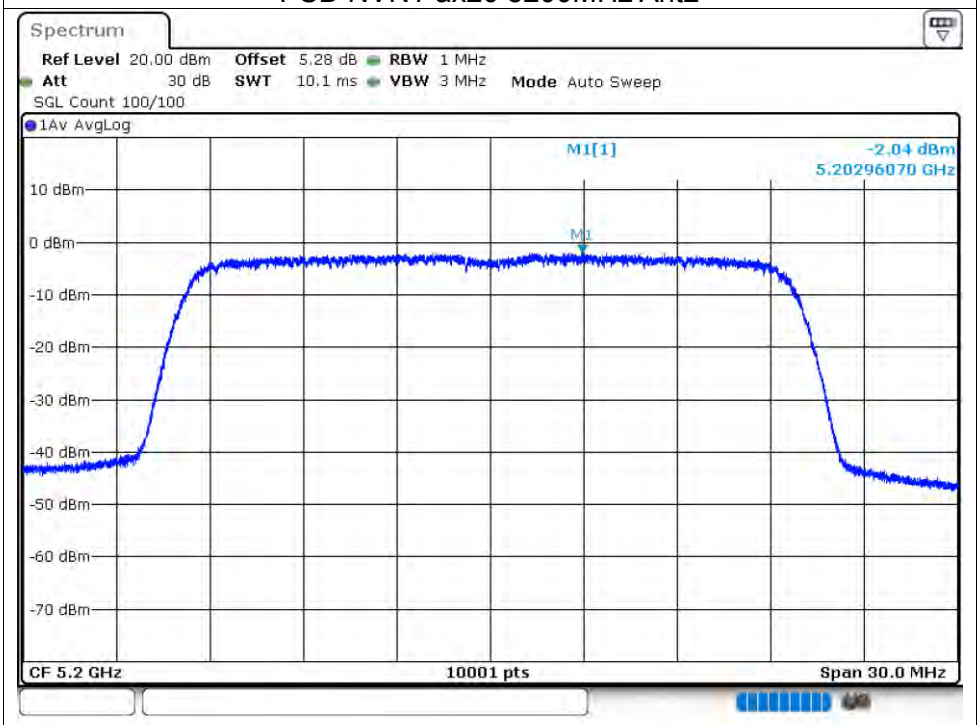
PSD NVNT ax20 5240MHz Ant1



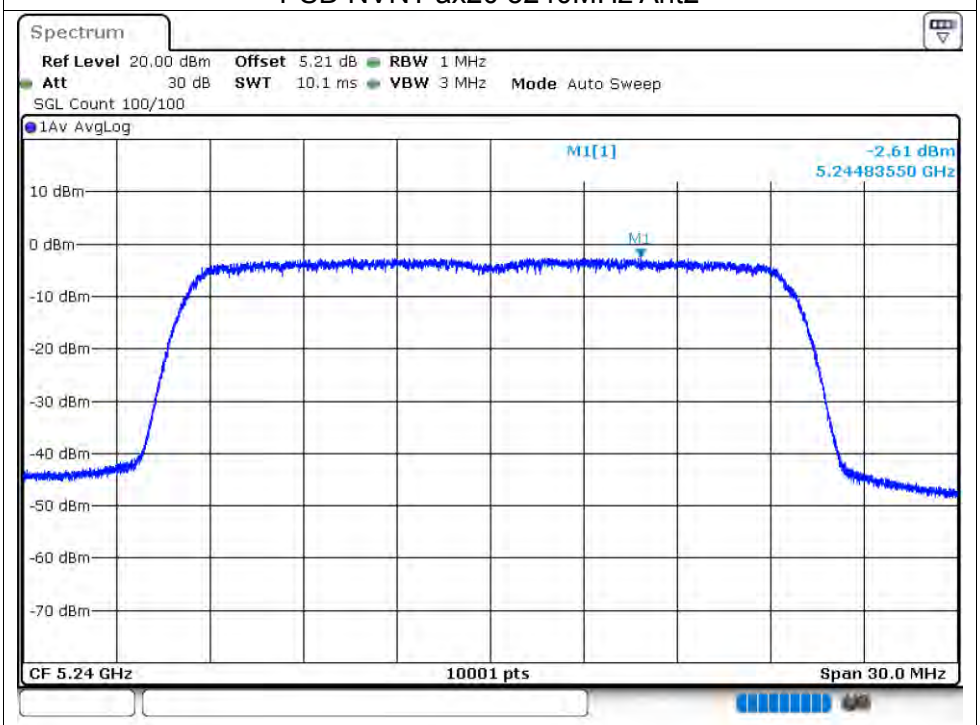
PSD NVNT ax20 5180MHz Ant2



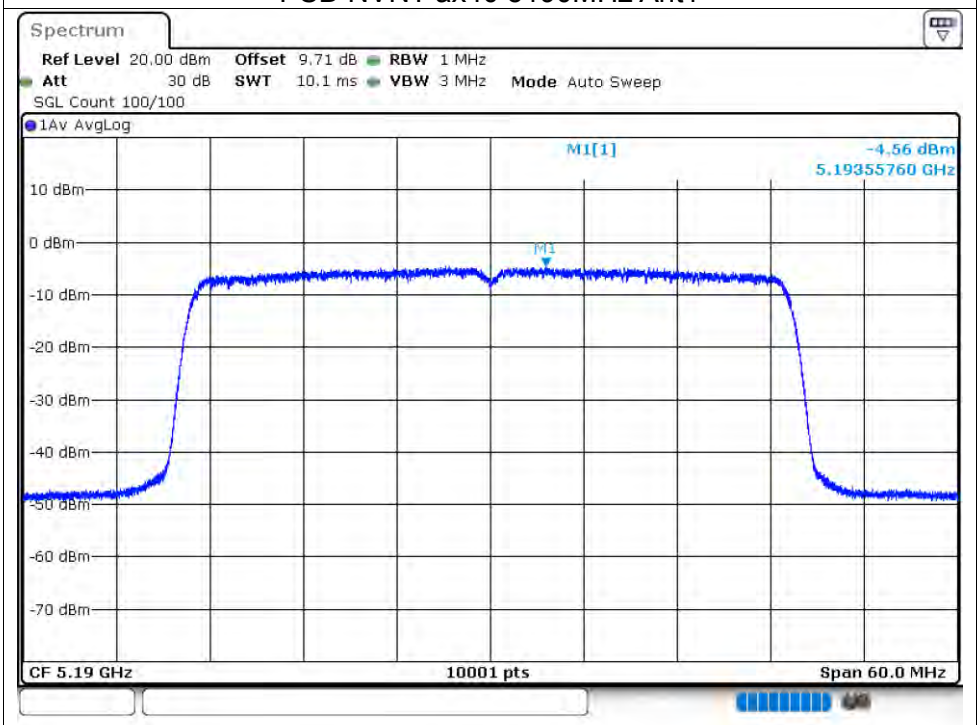
PSD NVNT ax20 5200MHz Ant2



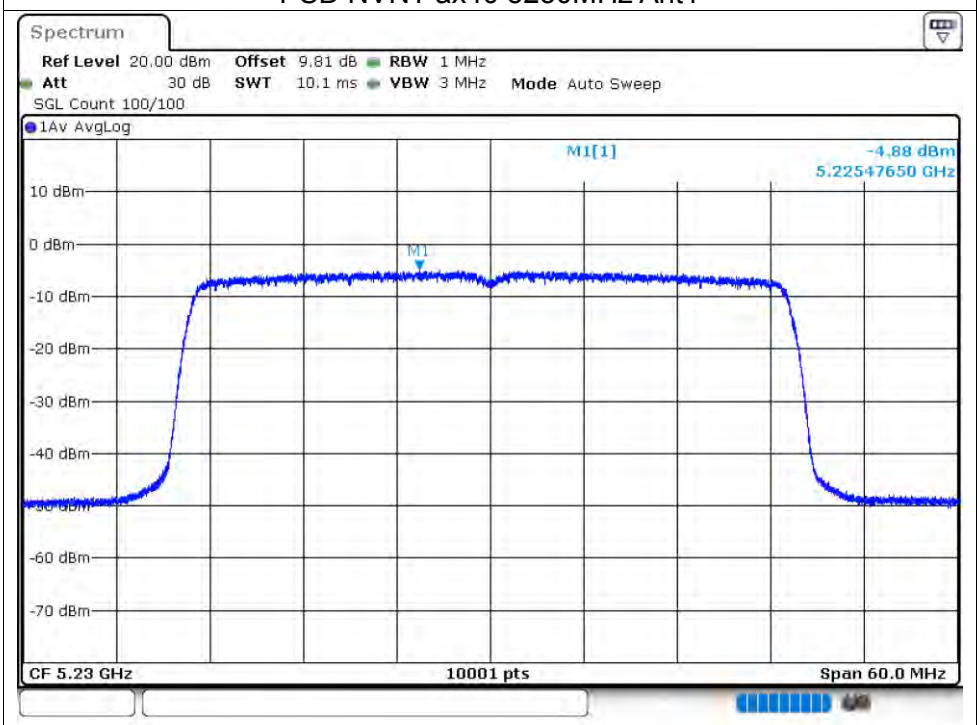
PSD NVNT ax20 5240MHz Ant2



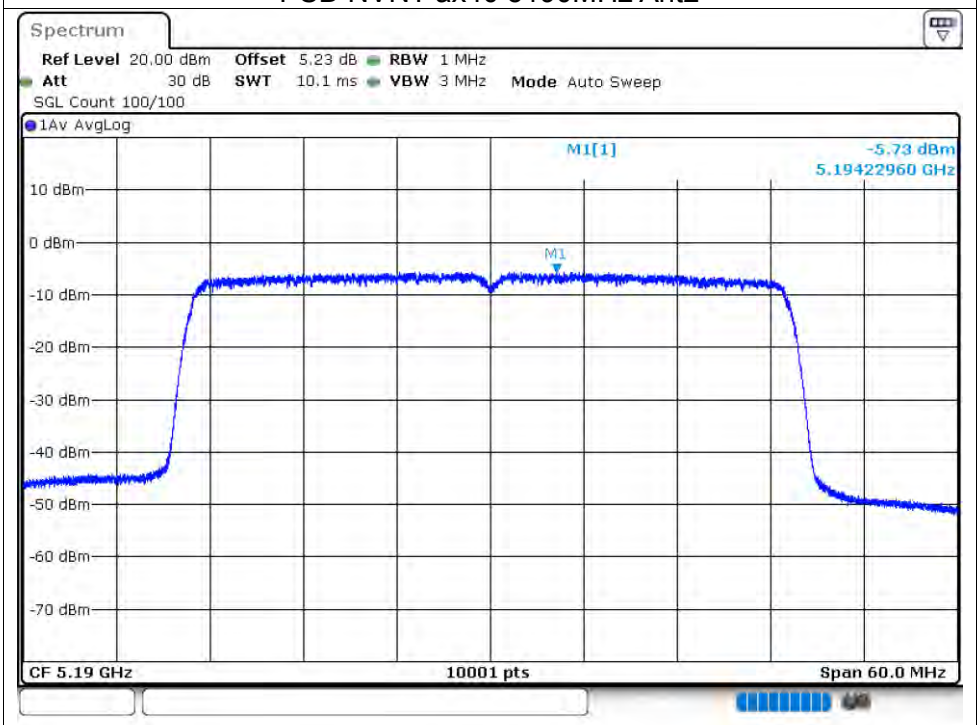
PSD NVNT ax40 5190MHz Ant1



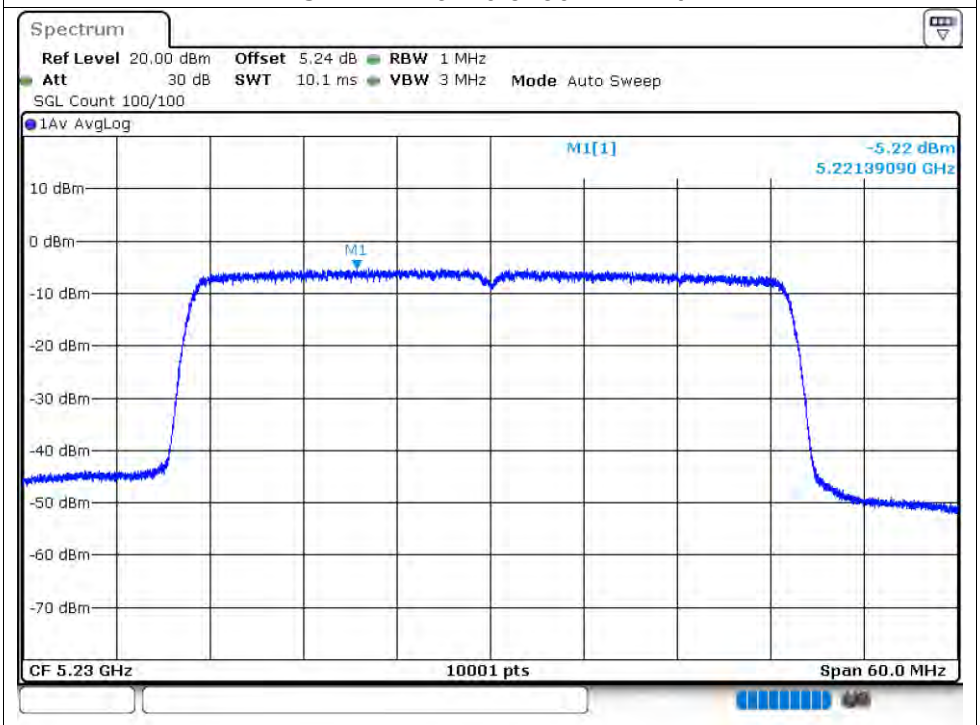
PSD NVNT ax40 5230MHz Ant1



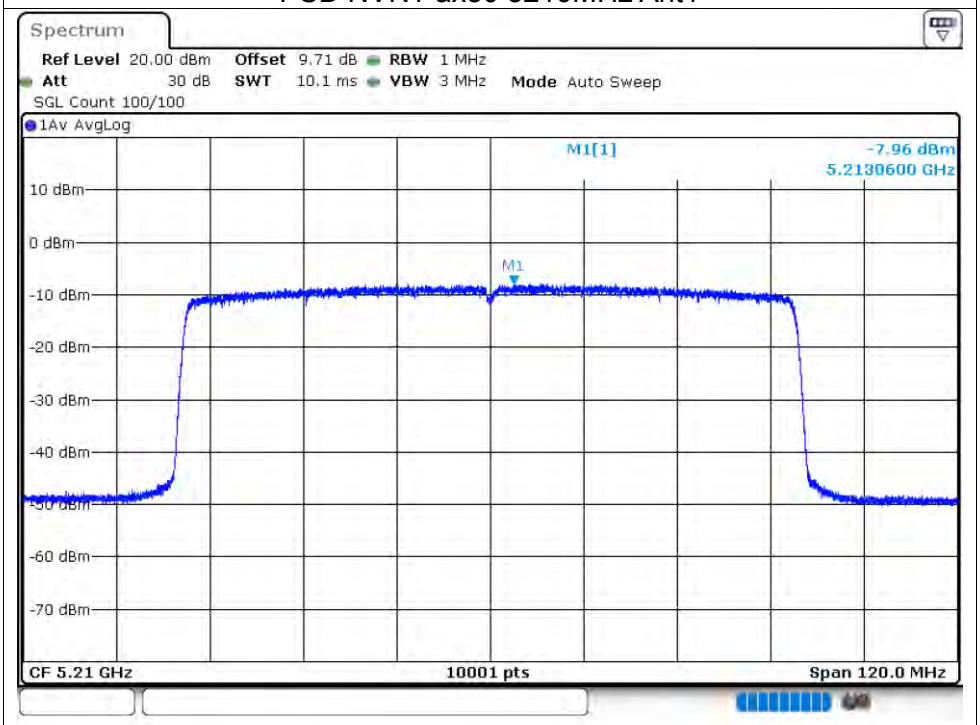
PSD NVNT ax40 5190MHz Ant2



PSD NVNT ax40 5230MHz Ant2



PSD NVNT ax80 5210MHz Ant1



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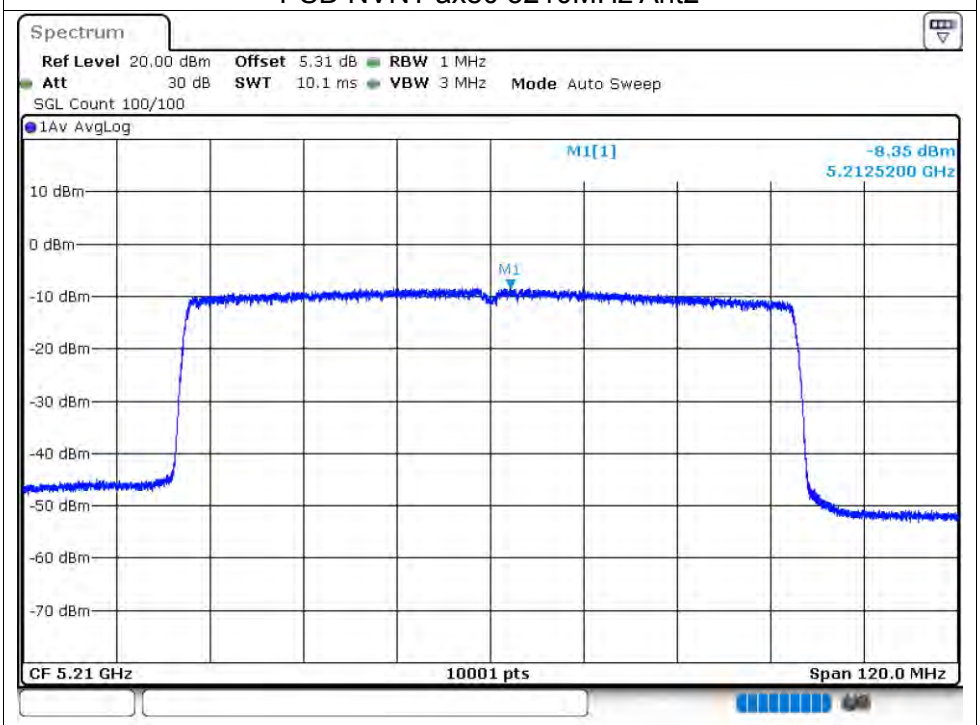
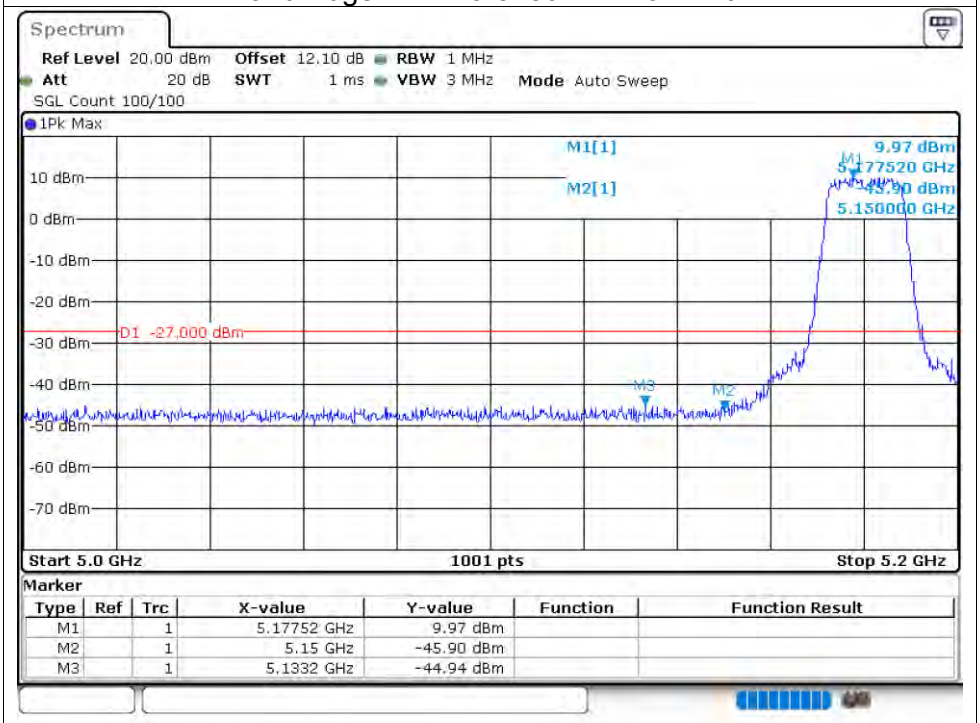


7.1.6 BAND EDGE

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-44.94	-27	Pass
NVNT	a	5240	Ant1	-45.74	-27	Pass
NVNT	a	5180	Ant2	-44.15	-27	Pass
NVNT	a	5240	Ant2	-44.11	-27	Pass
NVNT	n20	5180	Ant1	-44.12	-27	Pass
NVNT	n20	5240	Ant1	-45.09	-27	Pass
NVNT	n20	5180	Ant2	-44.83	-27	Pass
NVNT	n20	5240	Ant2	-44.14	-27	Pass
NVNT	n40	5190	Ant1	-38.69	-27	Pass
NVNT	n40	5230	Ant1	-44.5	-27	Pass
NVNT	n40	5190	Ant2	-37.91	-27	Pass
NVNT	n40	5230	Ant2	-45.68	-27	Pass
NVNT	ac20	5180	Ant1	-43.98	-27	Pass
NVNT	ac20	5240	Ant1	-44.75	-27	Pass
NVNT	ac20	5180	Ant2	-44.28	-27	Pass
NVNT	ac20	5240	Ant2	-44.94	-27	Pass
NVNT	ac40	5190	Ant1	-39.15	-27	Pass
NVNT	ac40	5230	Ant1	-44.39	-27	Pass
NVNT	ac40	5190	Ant2	-37.13	-27	Pass
NVNT	ac40	5230	Ant2	-44.7	-27	Pass
NVNT	ac80	5210	Ant1	-44.52	-27	Pass
NVNT	ac80	5210	Ant1	-39.36	-27	Pass
NVNT	ac80	5210	Ant2	-44.26	-27	Pass
NVNT	ac80	5210	Ant2	-34.44	-27	Pass
NVNT	ac160	5250	Ant1	-34.8	-27	Pass
NVNT	ac160	5250	Ant1	-34.81	-27	Pass
NVNT	ac160	5250	Ant2	-33.93	-27	Pass
NVNT	ac160	5250	Ant2	-32.33	-27	Pass
NVNT	ax160	5250	Ant1	-34.58	-27	Pass
NVNT	ax160	5250	Ant1	-34.72	-27	Pass
NVNT	ax160	5250	Ant2	-34.51	-27	Pass
NVNT	ax160	5250	Ant2	-31.6	-27	Pass
NVNT	ax20	5180	Ant1	-44.62	-27	Pass
NVNT	ax20	5240	Ant1	-44.89	-27	Pass
NVNT	ax20	5180	Ant2	-44.78	-27	Pass
NVNT	ax20	5240	Ant2	-44.2	-27	Pass
NVNT	ax40	5190	Ant1	-39.68	-27	Pass
NVNT	ax40	5230	Ant1	-44.13	-27	Pass
NVNT	ax40	5190	Ant2	-37.6	-27	Pass
NVNT	ax40	5230	Ant2	-44.69	-27	Pass
NVNT	ax80	5210	Ant1	-44.14	-27	Pass
NVNT	ax80	5210	Ant1	-38.98	-27	Pass
NVNT	ax80	5210	Ant2	-31.66	-27	Pass
NVNT	ax80	5210	Ant2	-45.04	-27	Pass

Test Graphs

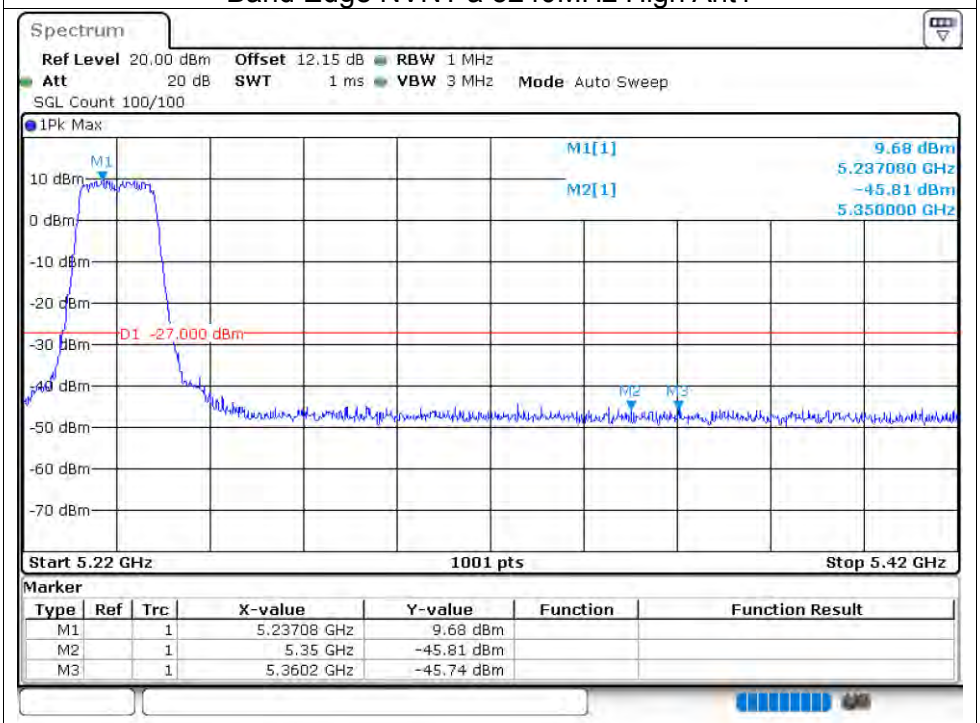
Band Edge NVNT a 5180MHz Low Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.17752 GHz	9.97 dBm		
M2		1	5.15 GHz	-45.90 dBm		
M3		1	5.1332 GHz	-44.94 dBm		

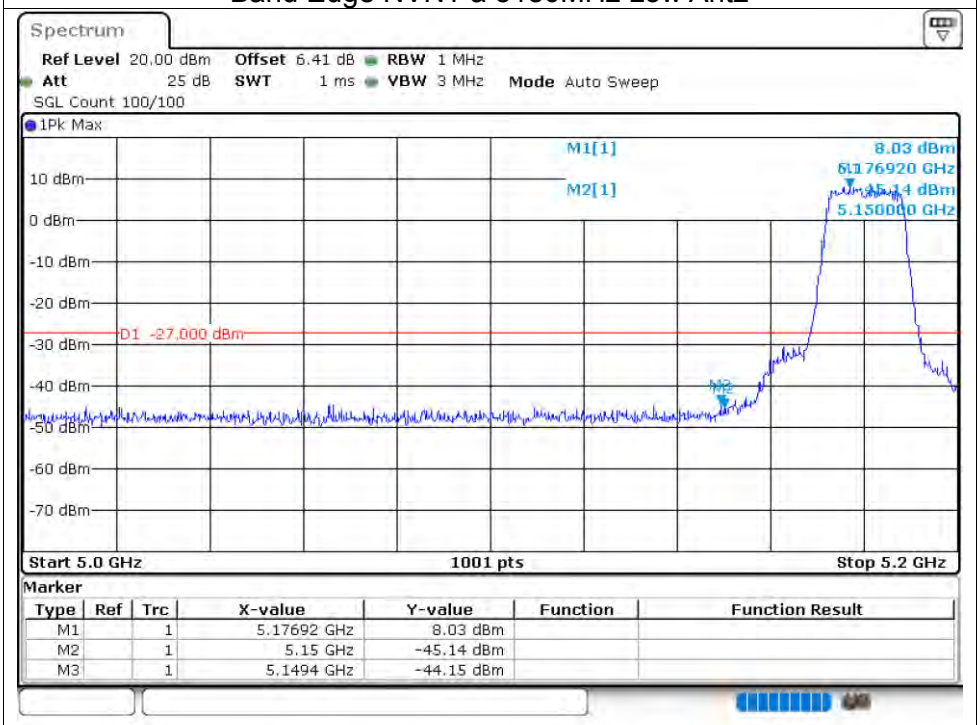
Band Edge NVNT a 5240MHz High Ant1



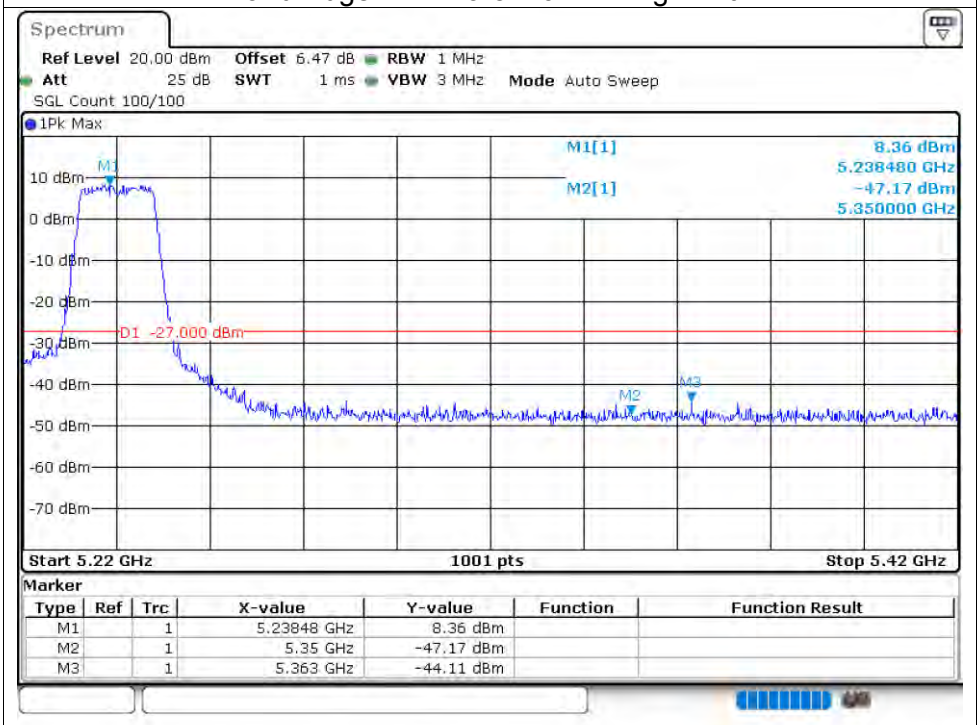
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.23708 GHz	9.68 dBm		
M2		1	5.35 GHz	-45.81 dBm		
M3		1	5.3602 GHz	-45.74 dBm		

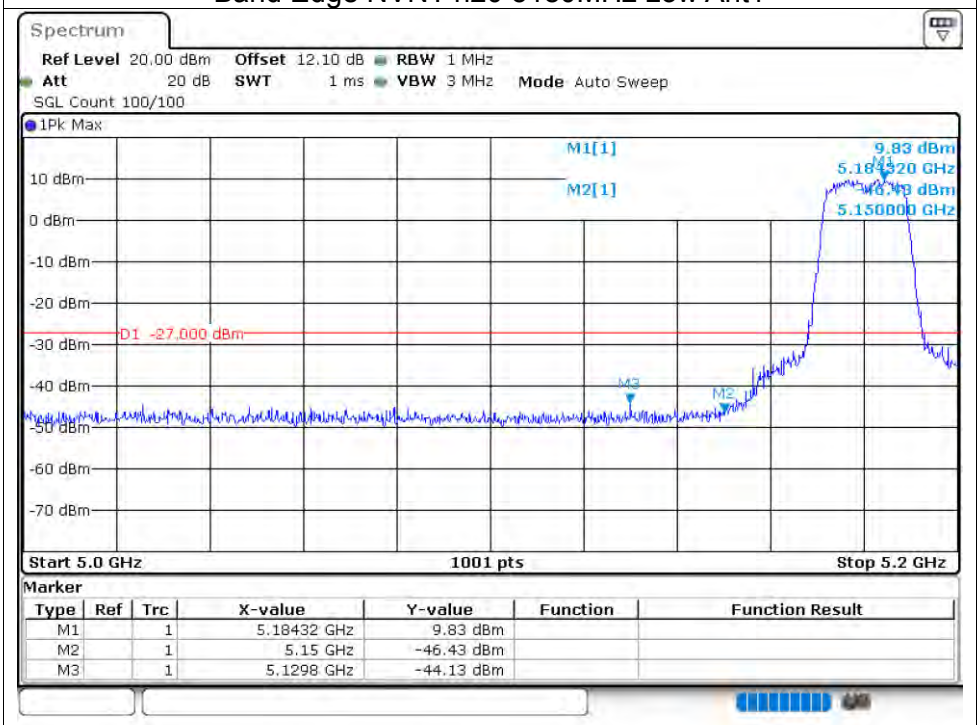
Band Edge NVNT a 5180MHz Low Ant2



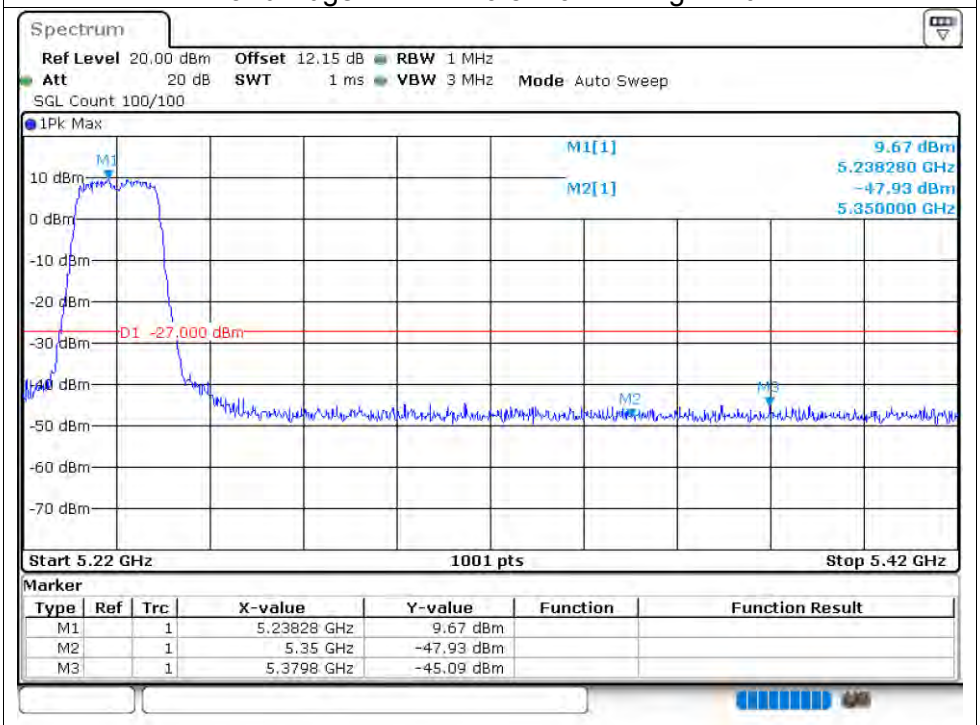
Band Edge NVNT a 5240MHz High Ant2



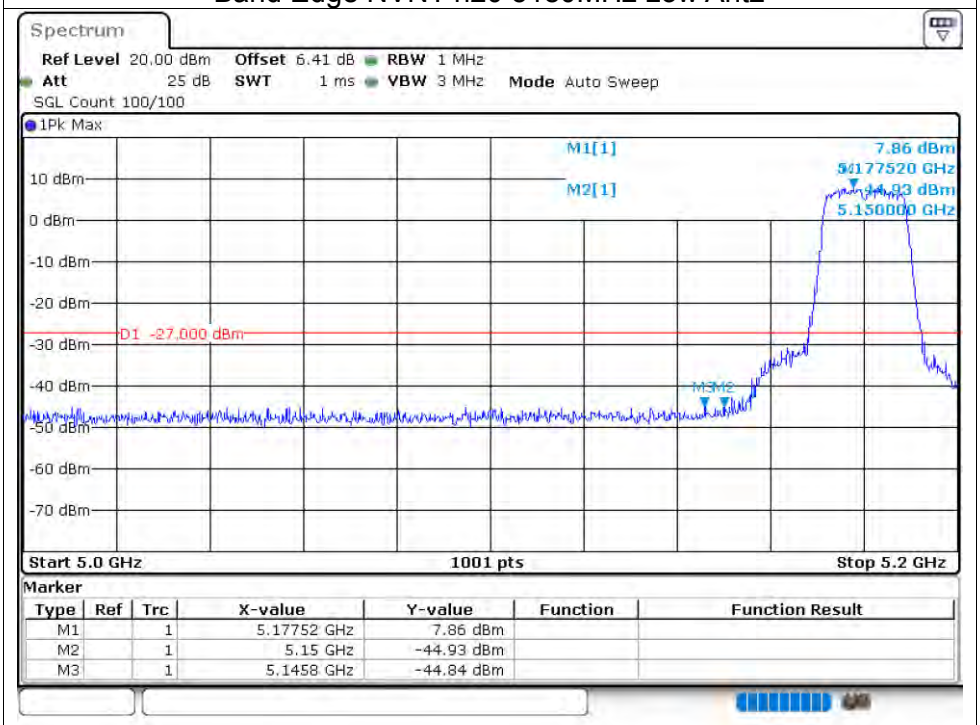
Band Edge NVNT n20 5180MHz Low Ant1



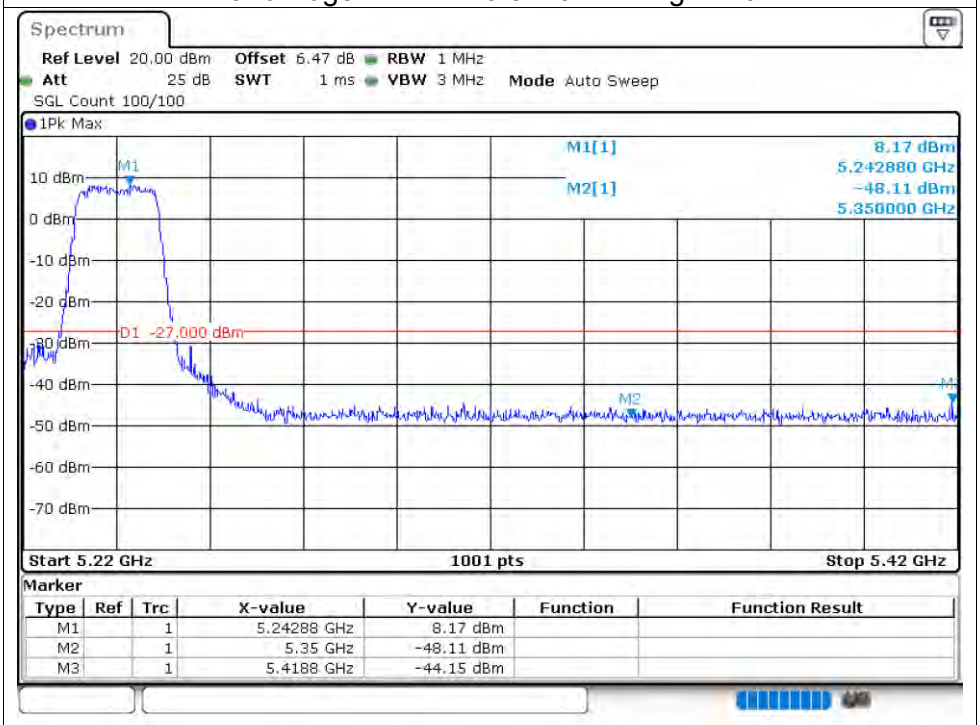
Band Edge NVNT n20 5240MHz High Ant1



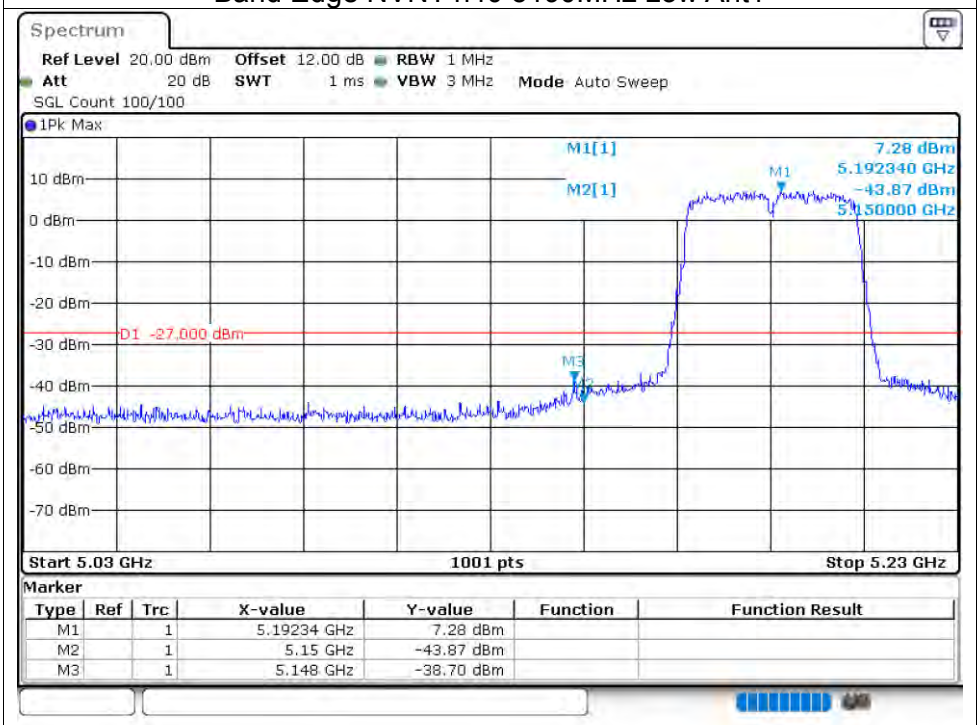
Band Edge NVNT n20 5180MHz Low Ant2



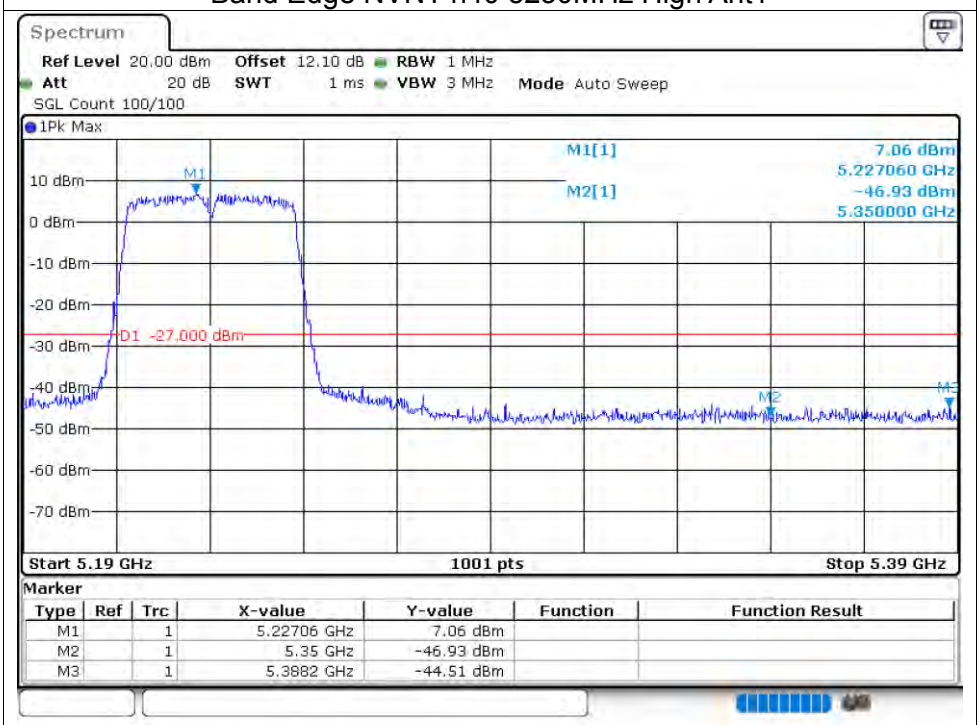
Band Edge NVNT n20 5240MHz High Ant2



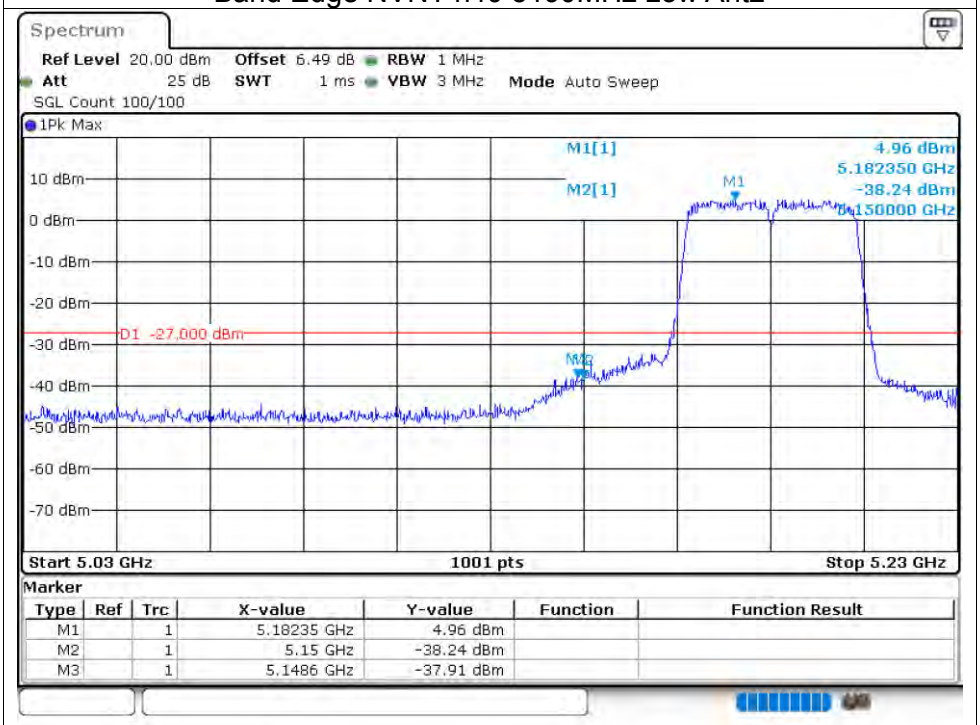
Band Edge NVNT n40 5190MHz Low Ant1



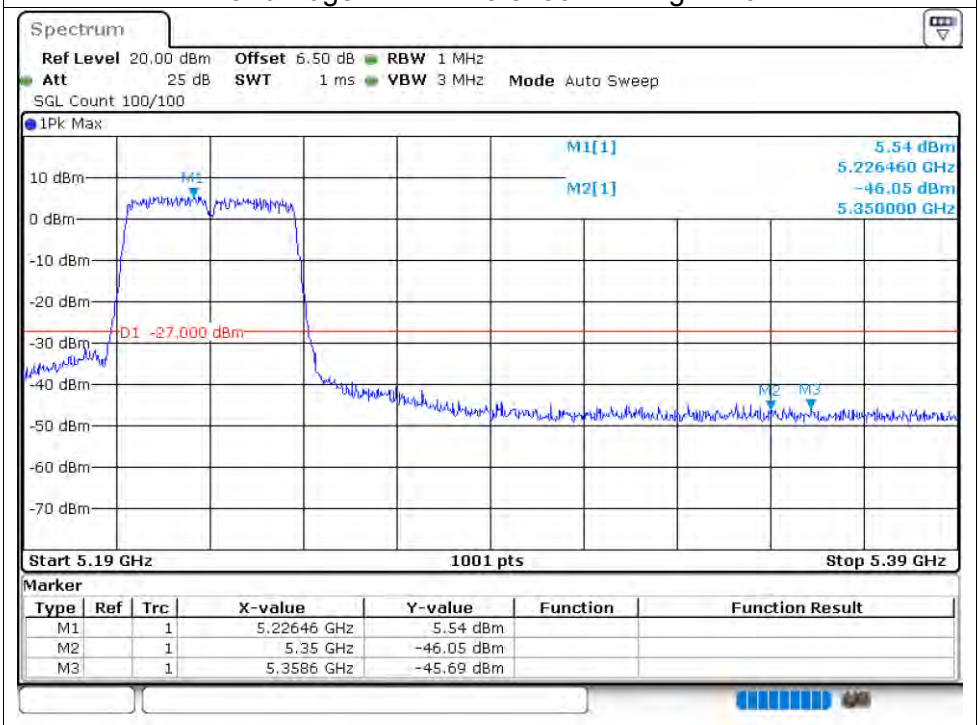
Band Edge NVNT n40 5230MHz High Ant1



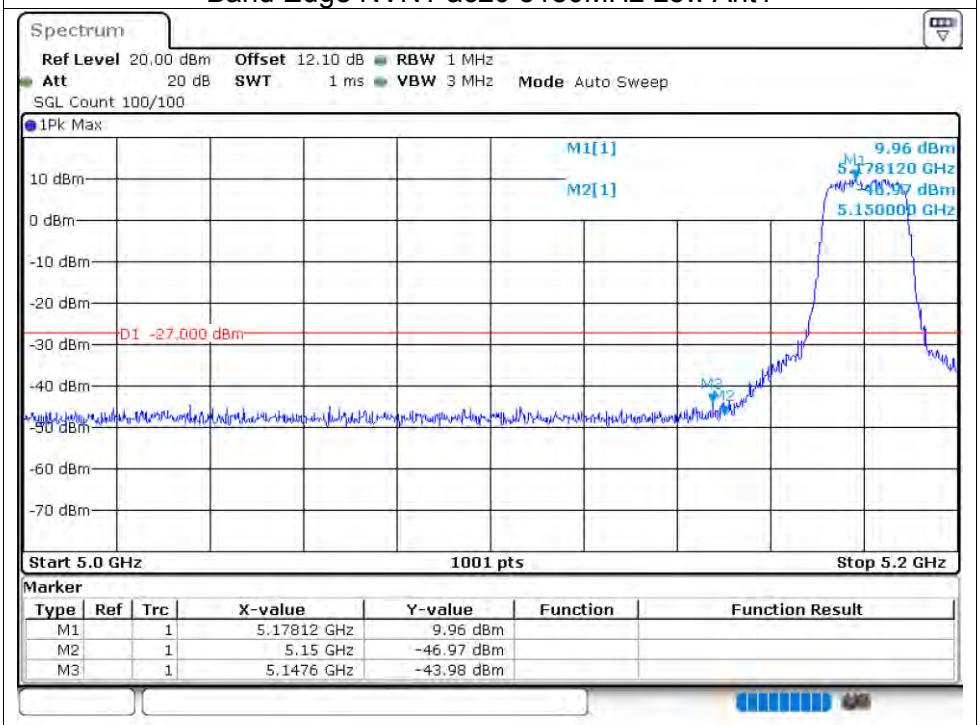
Band Edge NVNT n40 5190MHz Low Ant2



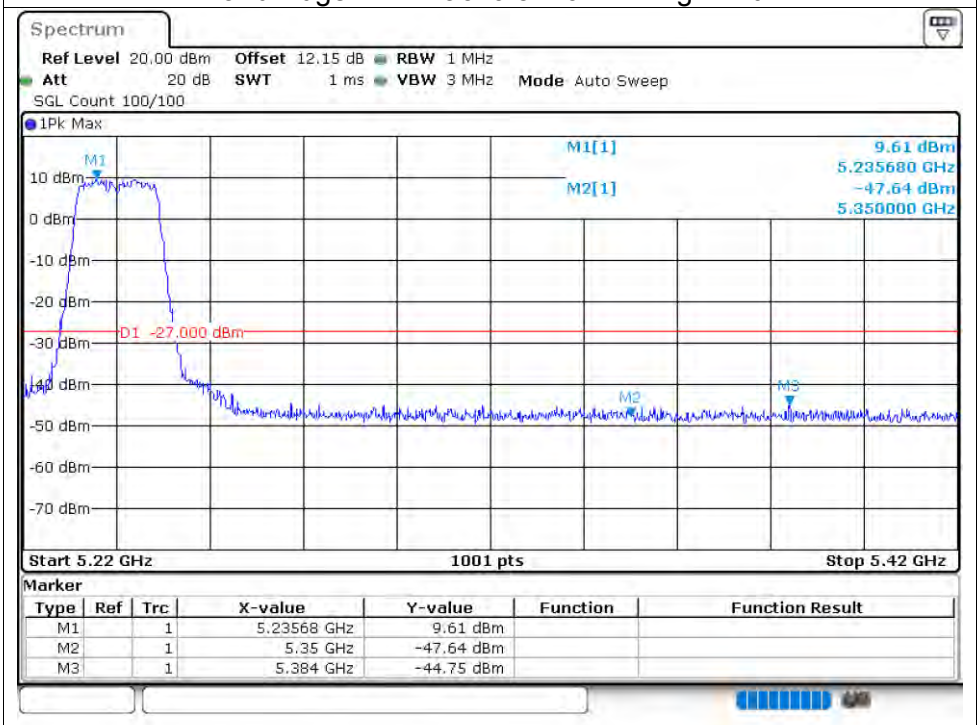
Band Edge NVNT n40 5230MHz High Ant2



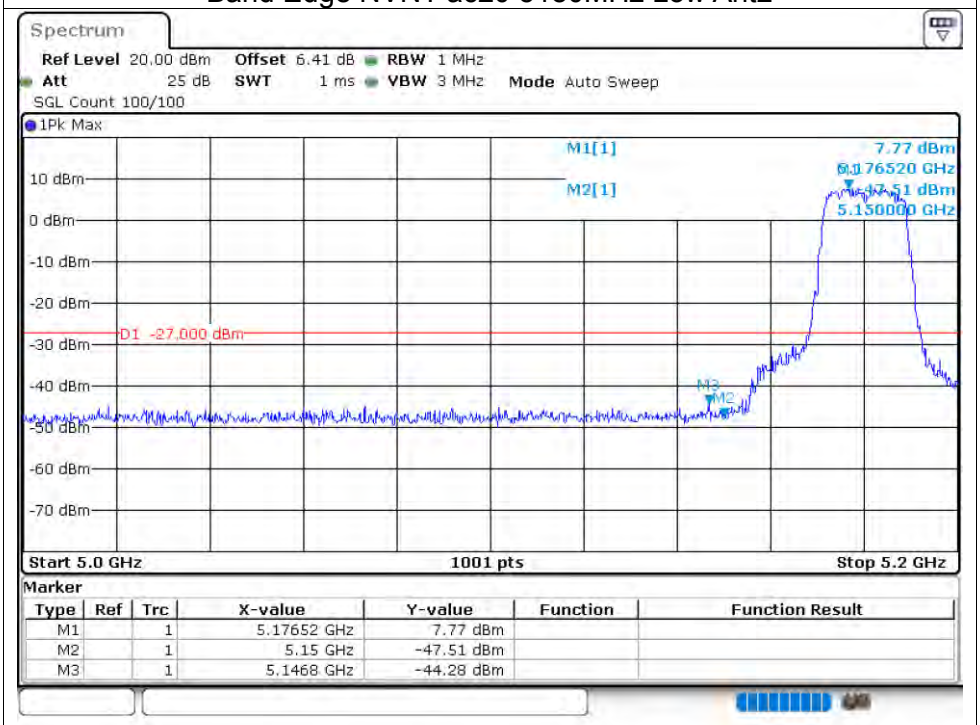
Band Edge NVNT ac20 5180MHz Low Ant1



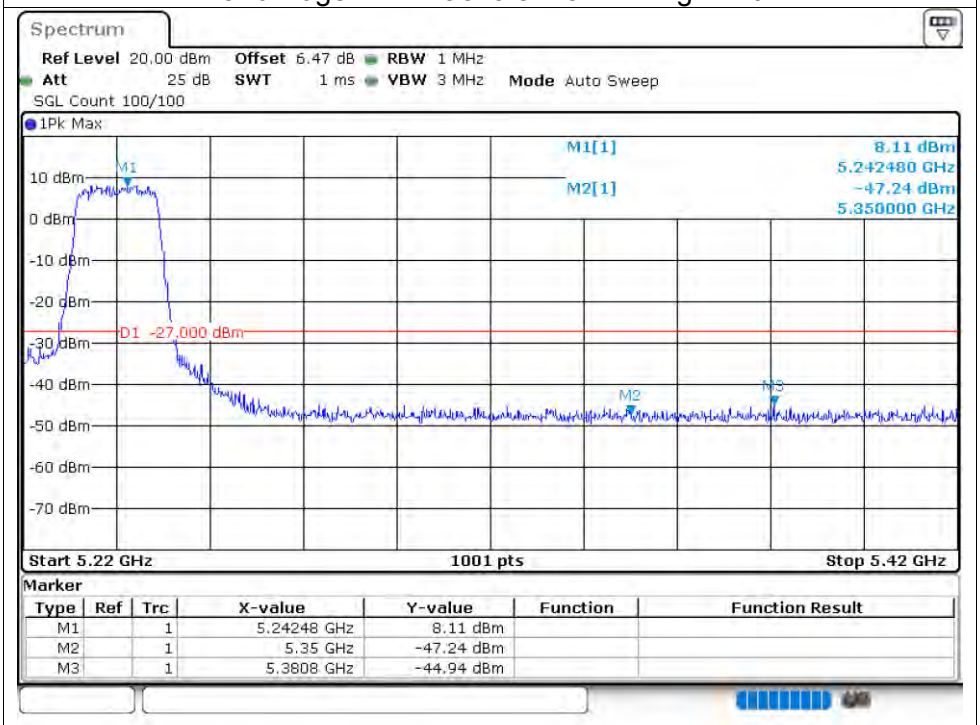
Band Edge NVNT ac20 5240MHz High Ant1



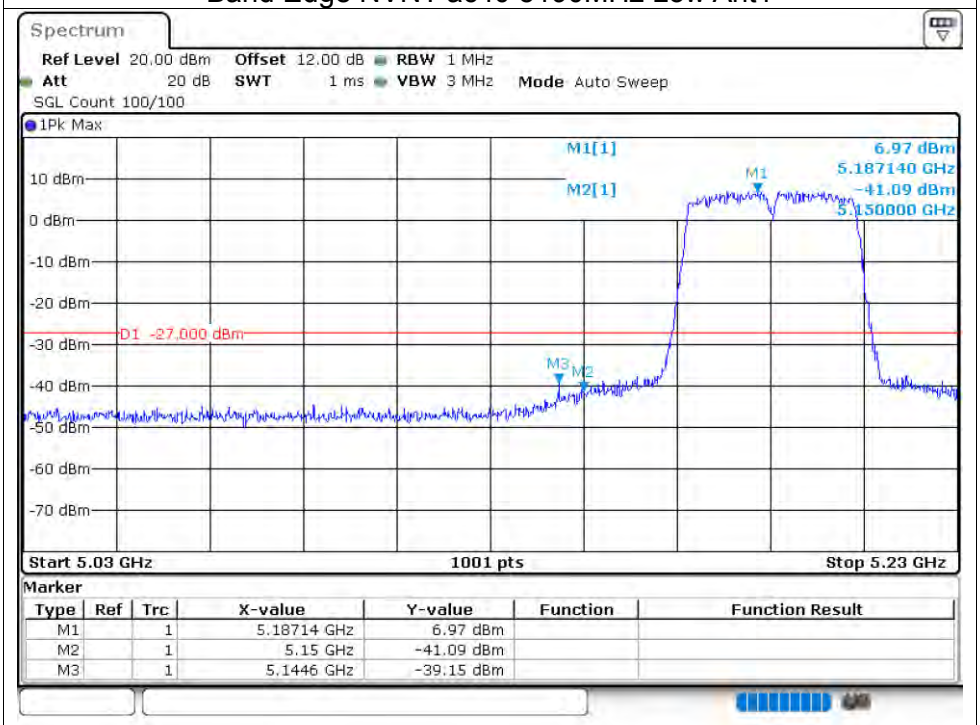
Band Edge NVNT ac20 5180MHz Low Ant2



Band Edge NVNT ac20 5240MHz High Ant2

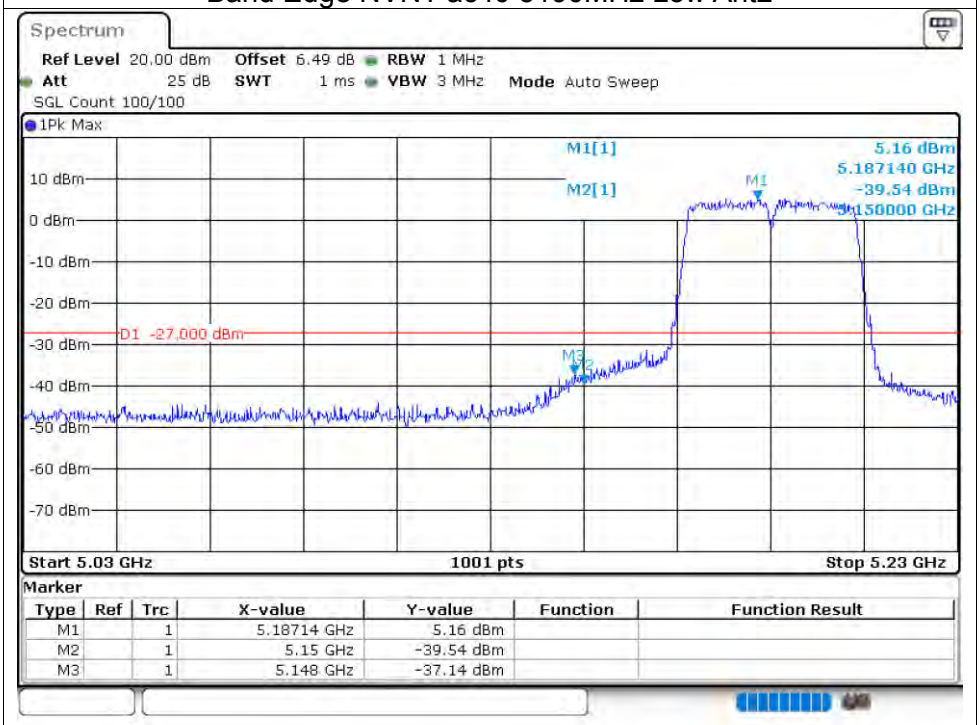


Band Edge NVNT ac40 5190MHz Low Ant1

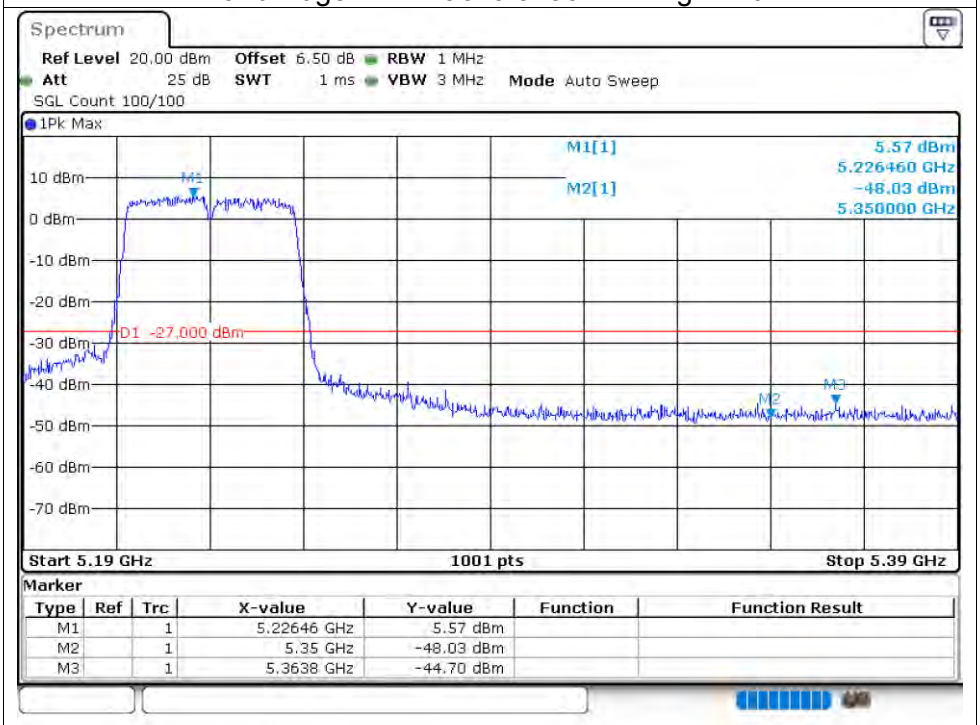


Band Edge NVNT ac40 5230MHz High Ant1

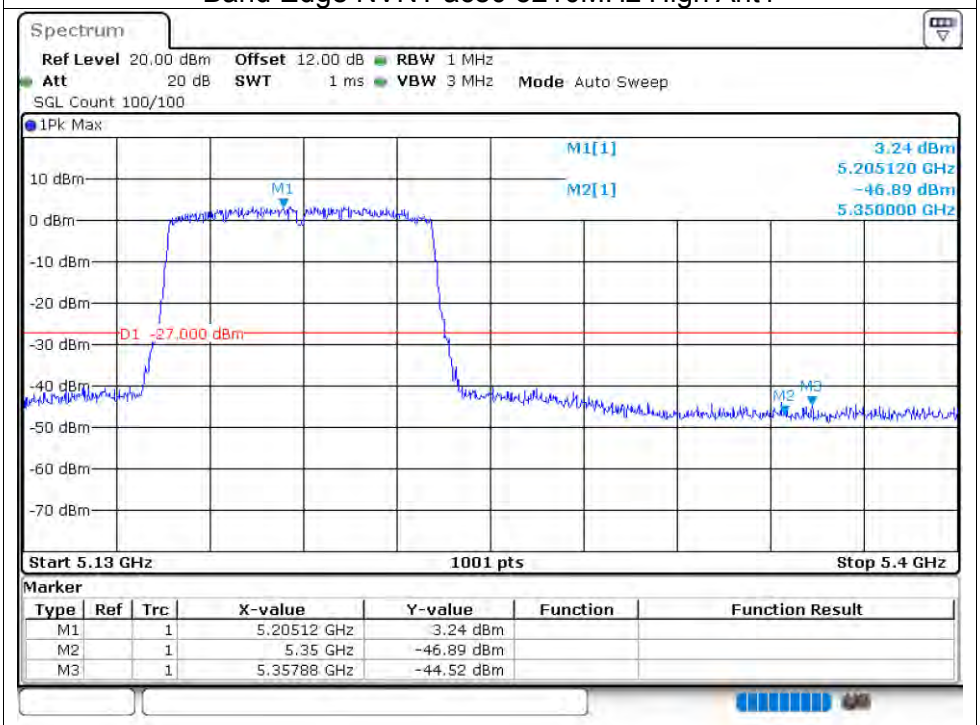
Band Edge NVNT ac40 5190MHz Low Ant2



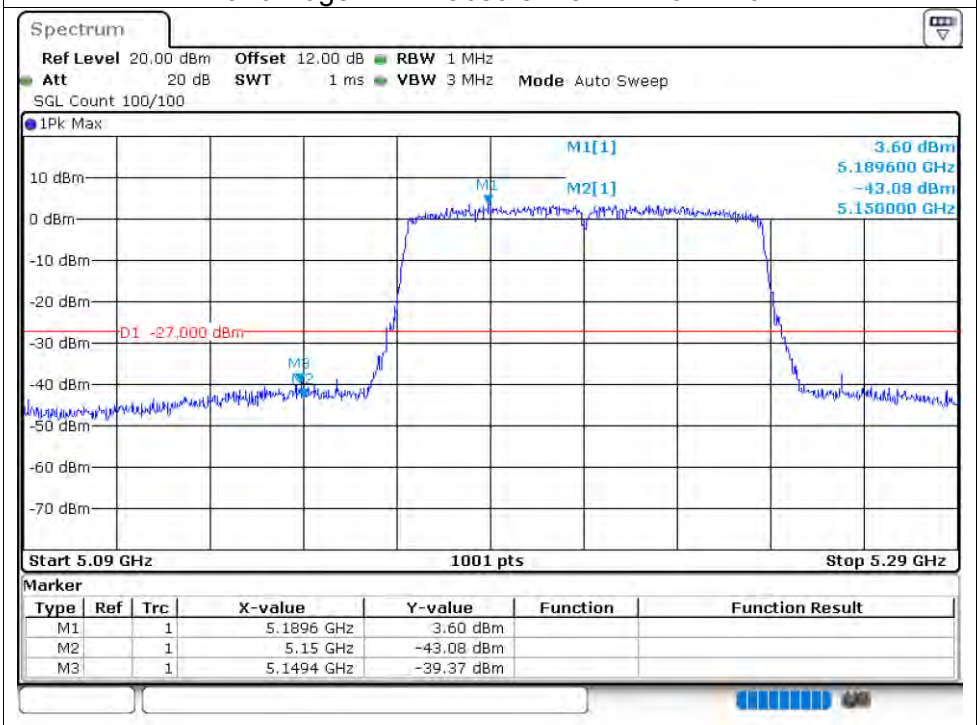
Band Edge NVNT ac40 5230MHz High Ant2



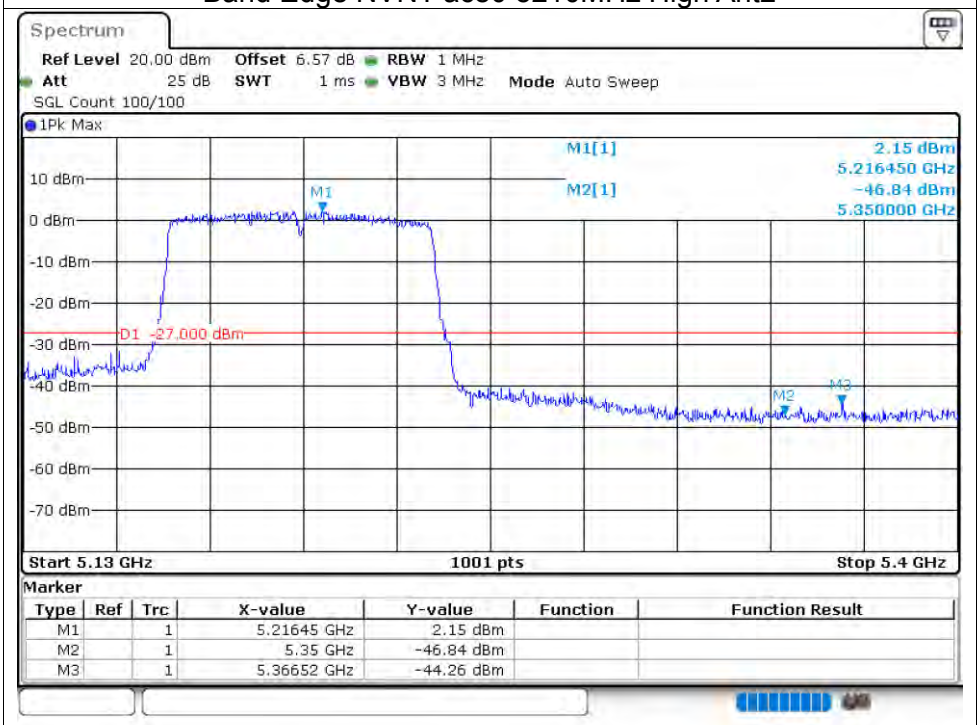
Band Edge NVNT ac80 5210MHz High Ant1



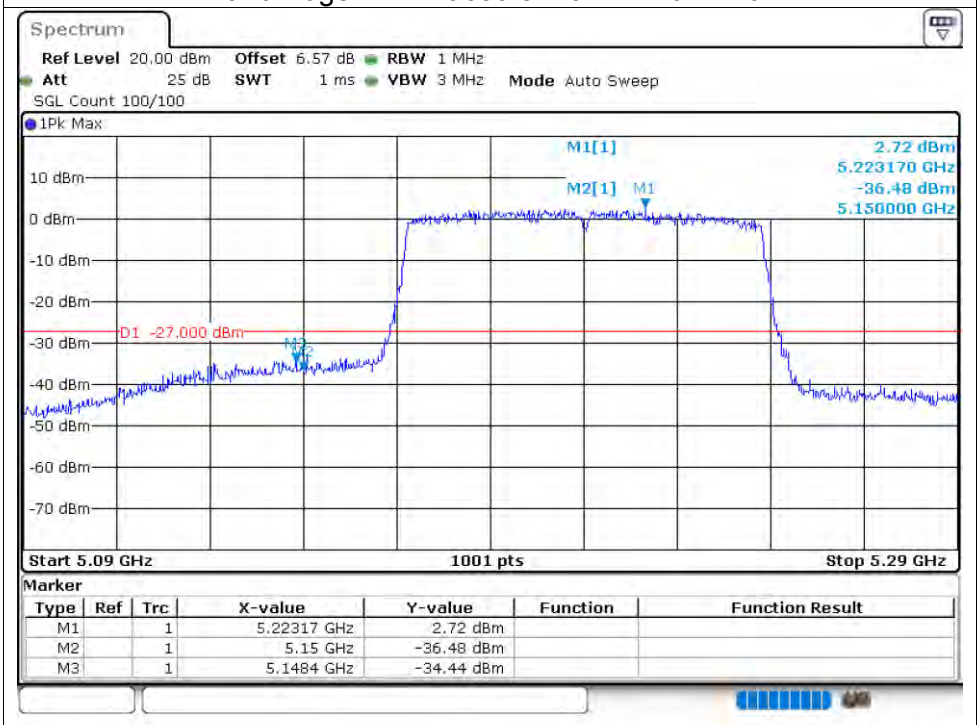
Band Edge NVNT ac80 5210MHz Low Ant1



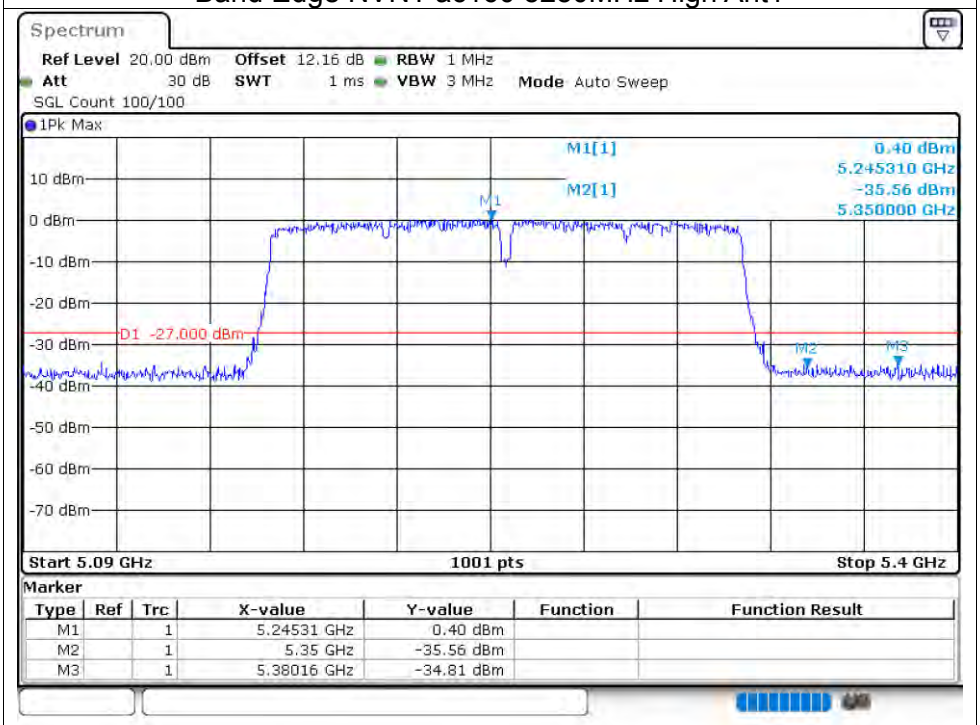
Band Edge NVNT ac80 5210MHz High Ant2



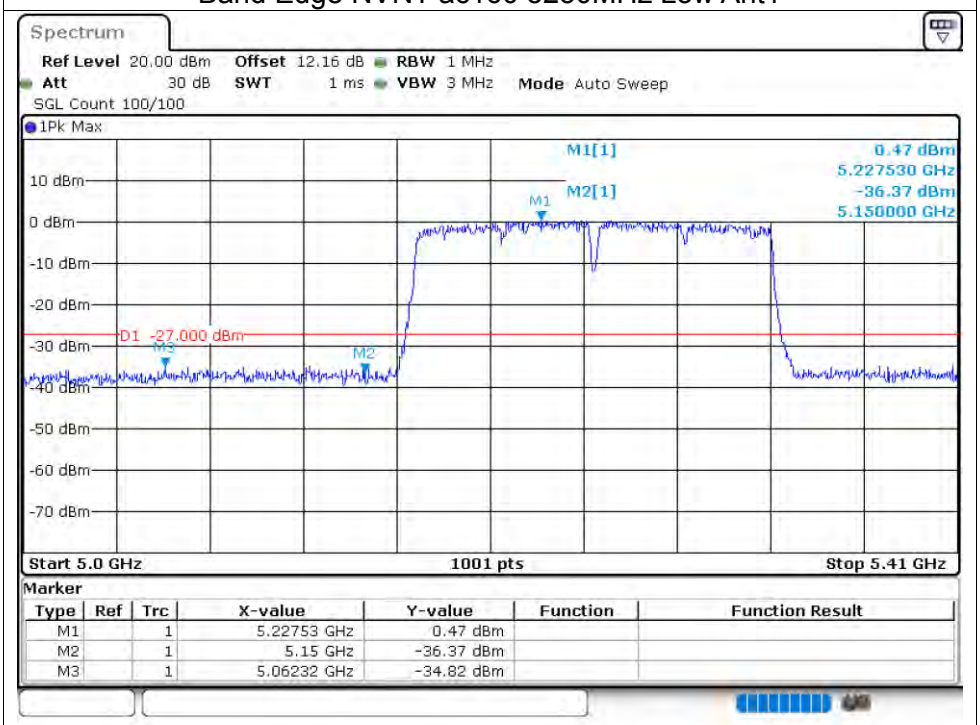
Band Edge NVNT ac80 5210MHz Low Ant2



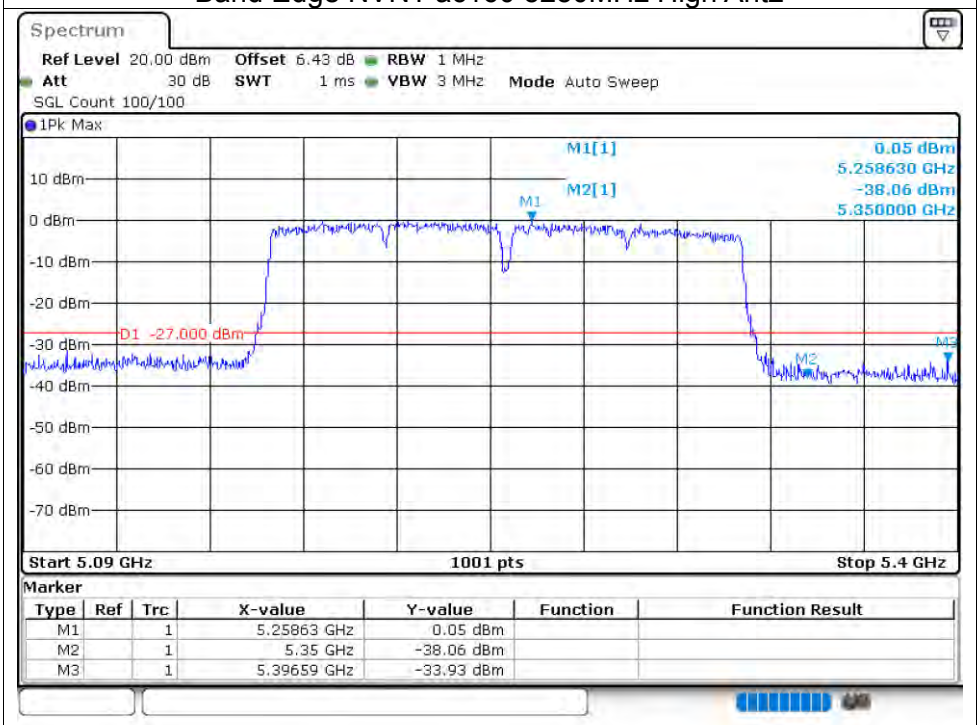
Band Edge NVNT ac160 5250MHz High Ant1



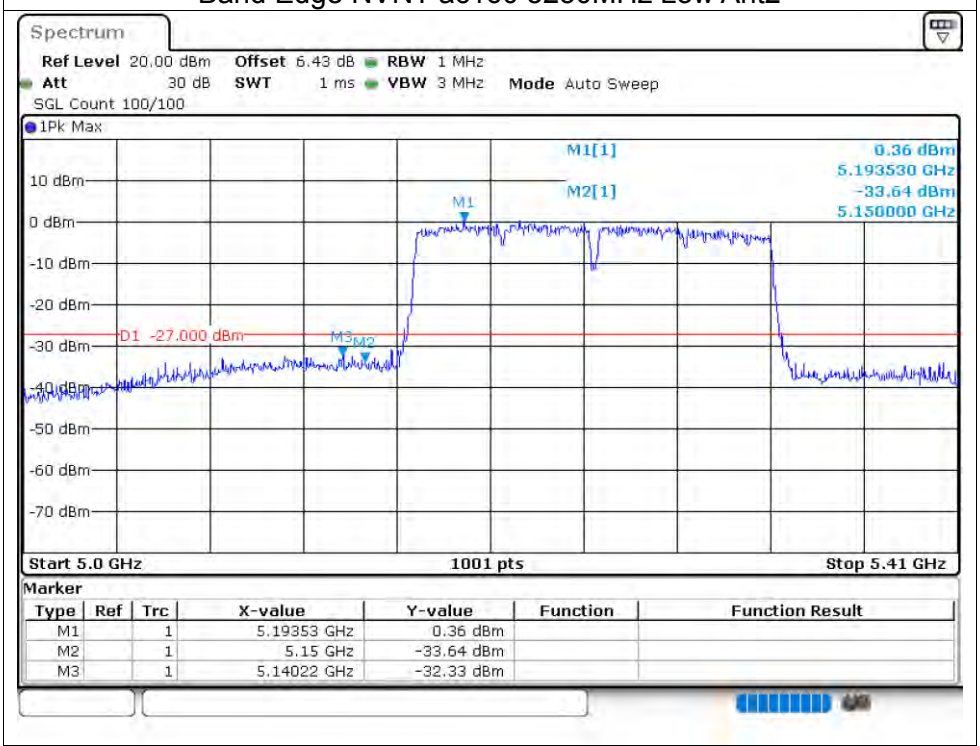
Band Edge NVNT ac160 5250MHz Low Ant1



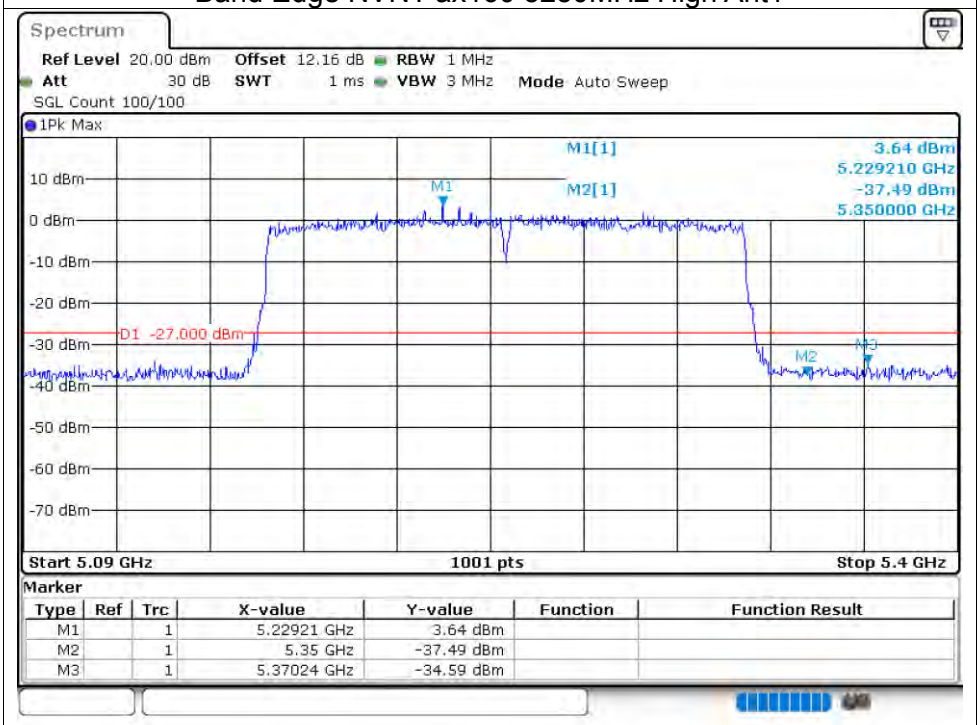
Band Edge NVNT ac160 5250MHz High Ant2



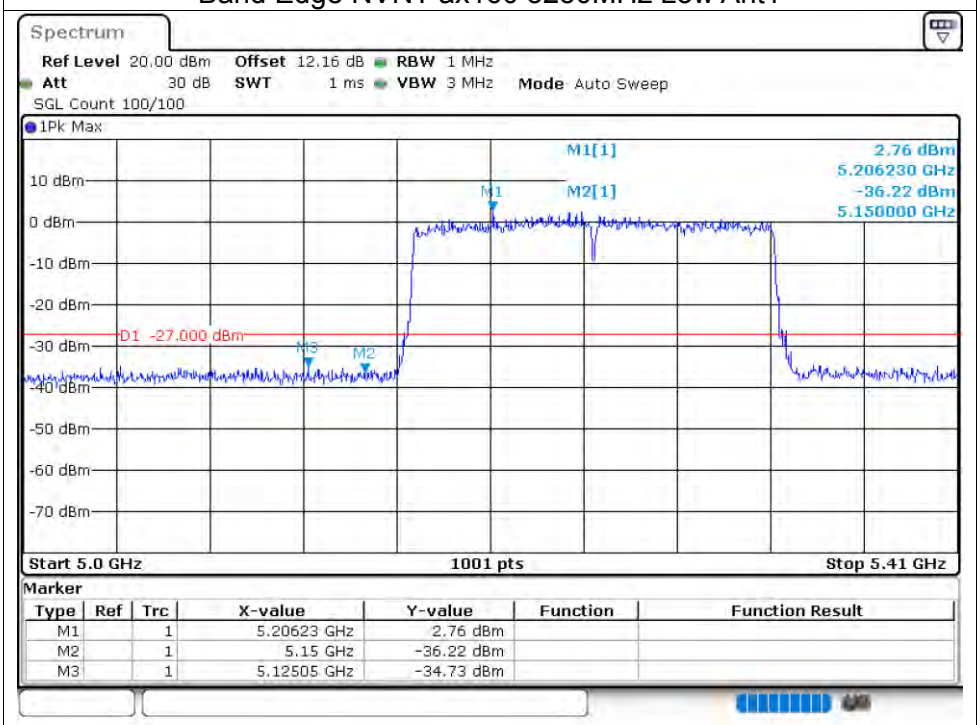
Band Edge NVNT ac160 5250MHz Low Ant2



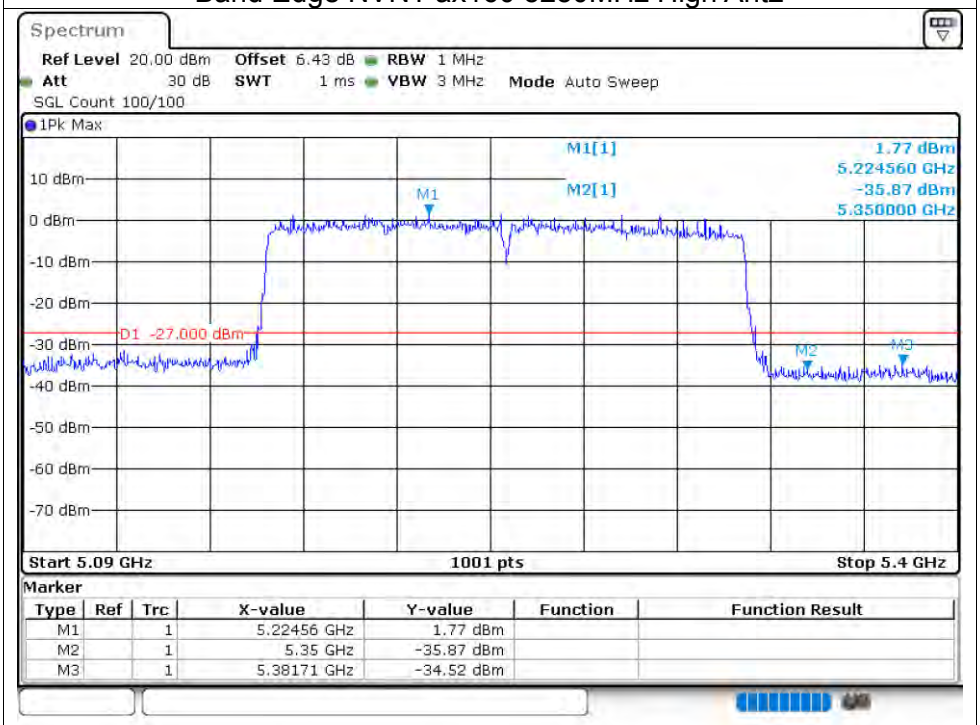
Band Edge NVNT ax160 5250MHz High Ant1



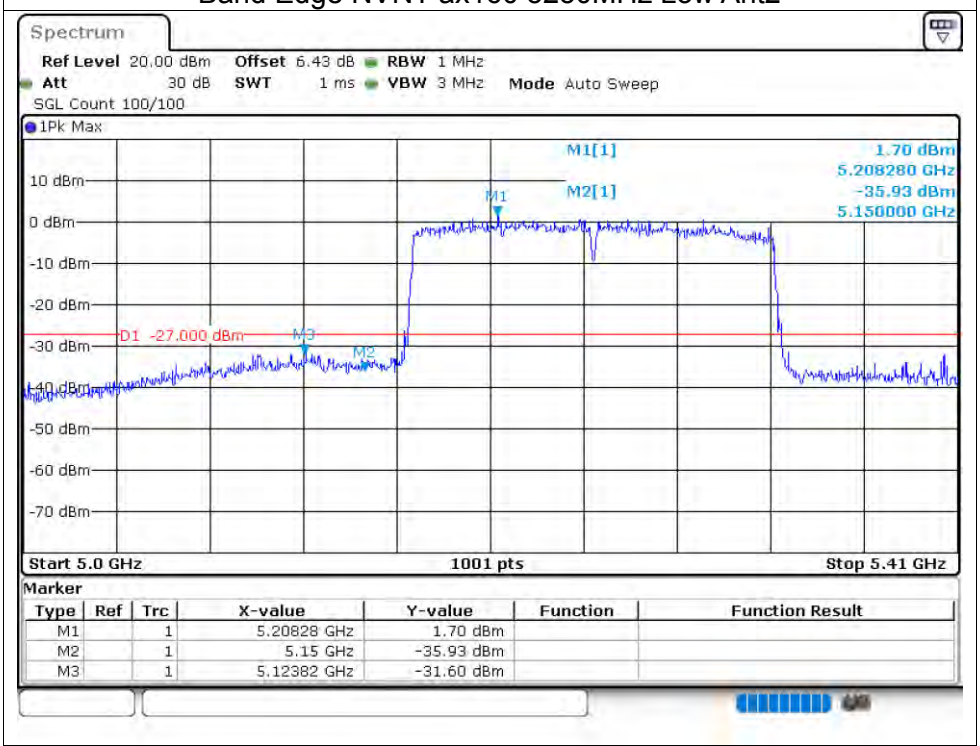
Band Edge NVNT ax160 5250MHz Low Ant1



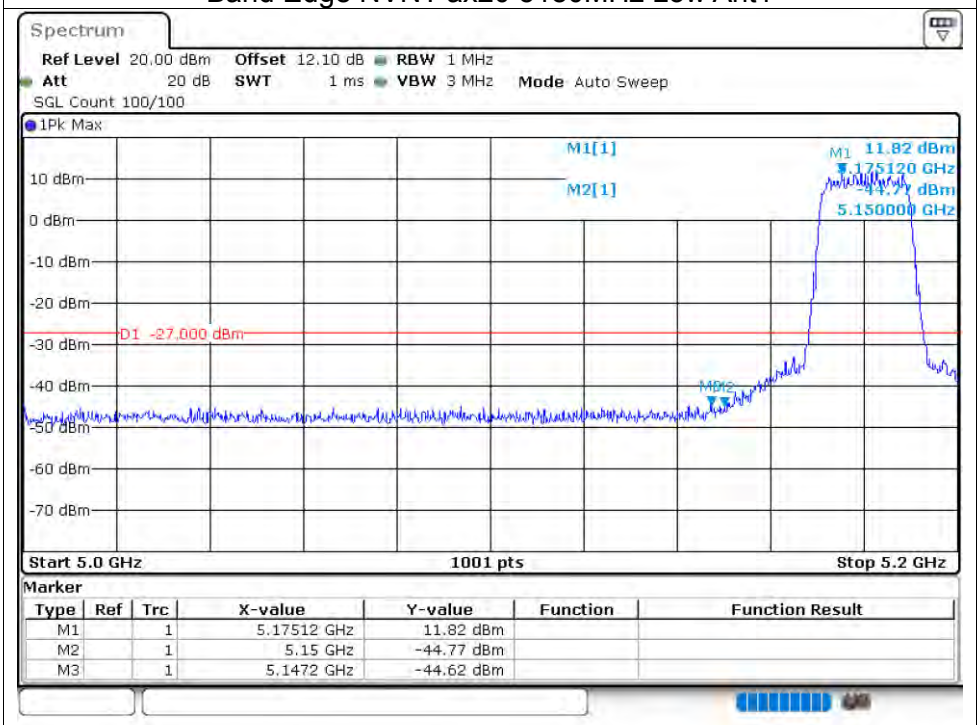
Band Edge NVNT ax160 5250MHz High Ant2



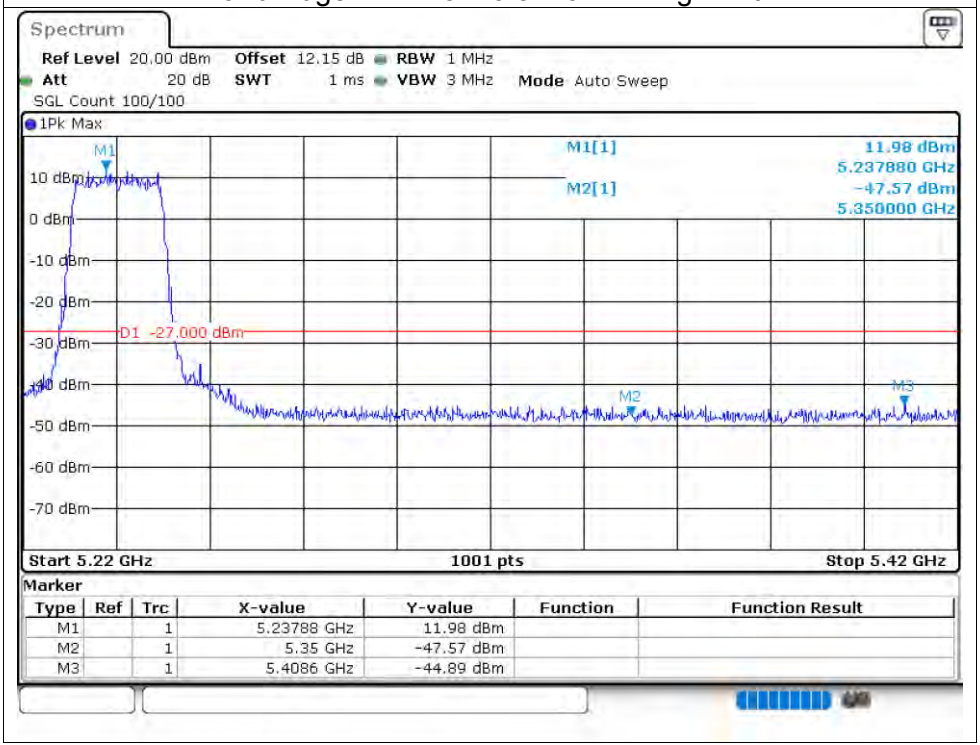
Band Edge NVNT ax160 5250MHz Low Ant2



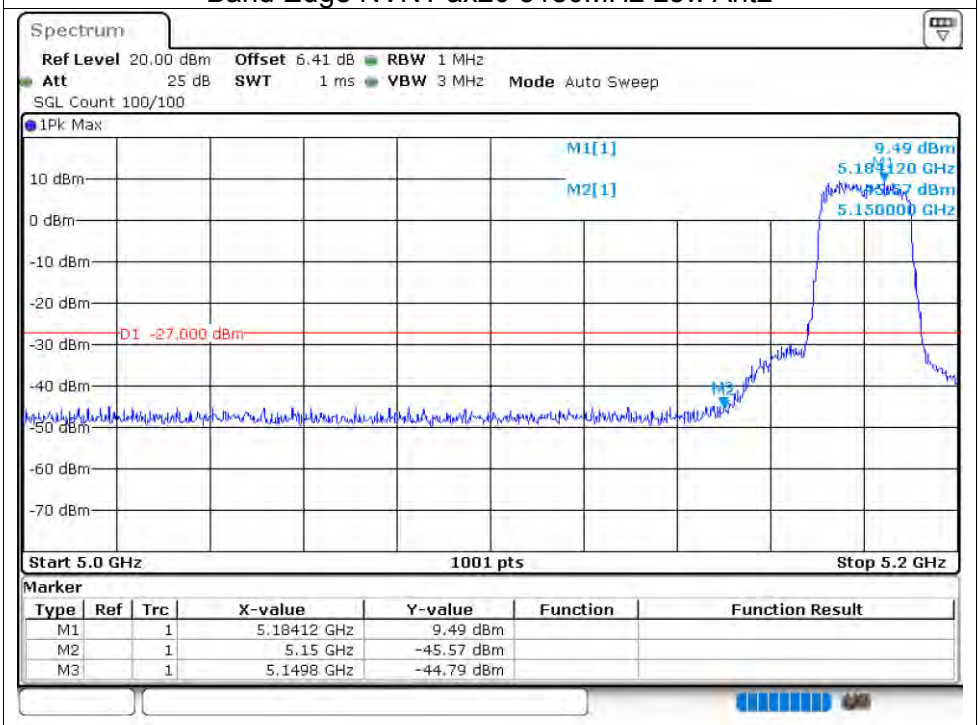
Band Edge NVNT ax20 5180MHz Low Ant1



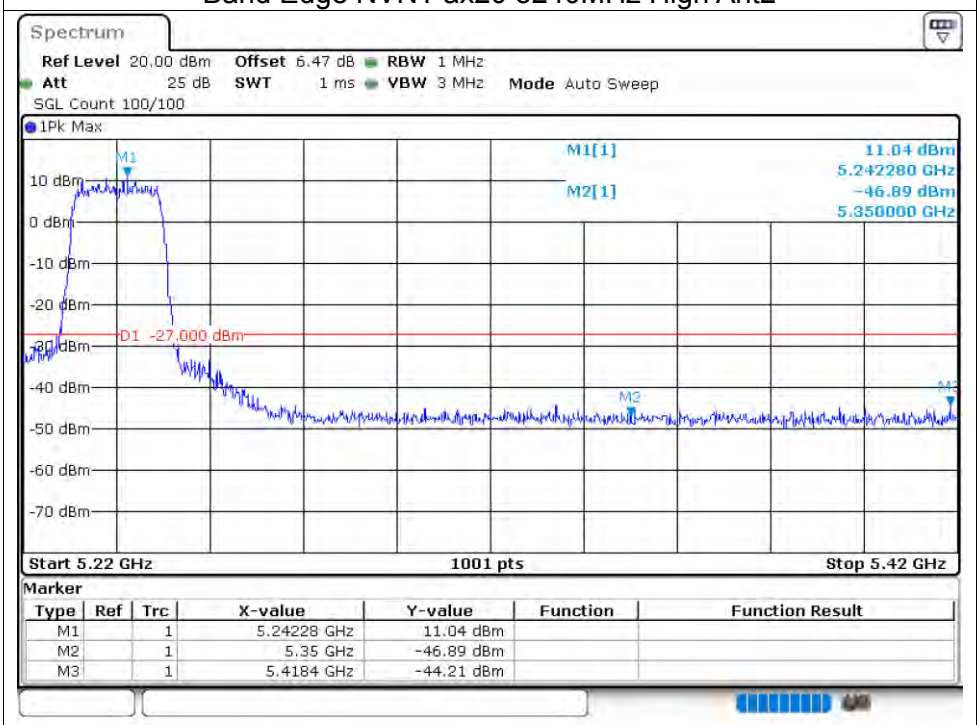
Band Edge NVNT ax20 5240MHz High Ant1



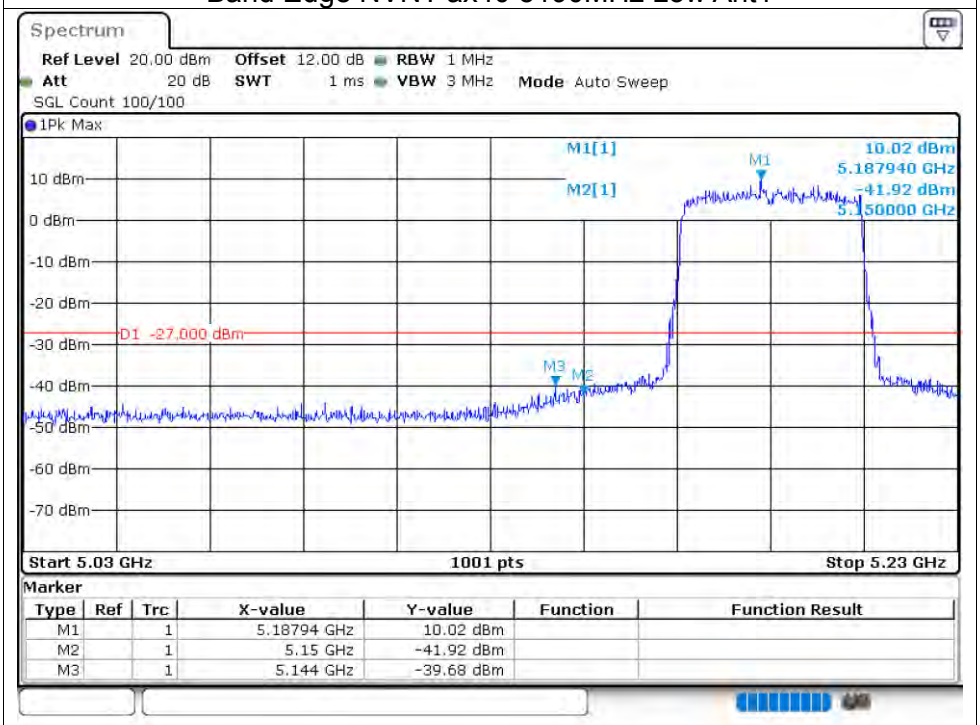
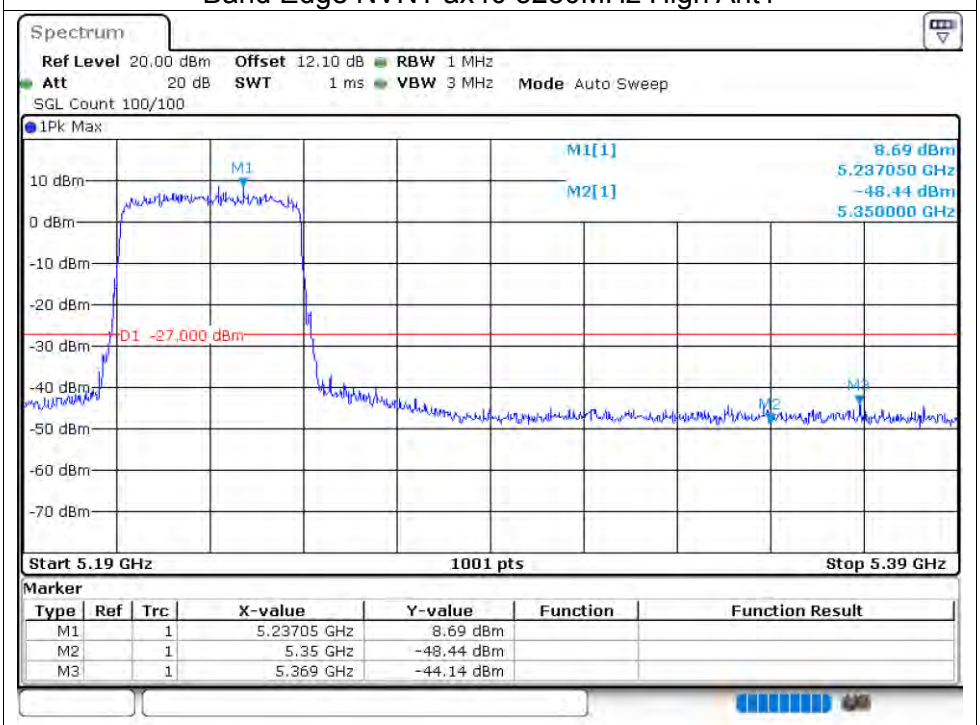
Band Edge NVNT ax20 5180MHz Low Ant2



Band Edge NVNT ax20 5240MHz High Ant2



Band Edge NVNT ax40 5190MHz Low Ant1



Band Edge NVNT ax40 5230MHz High Ant1