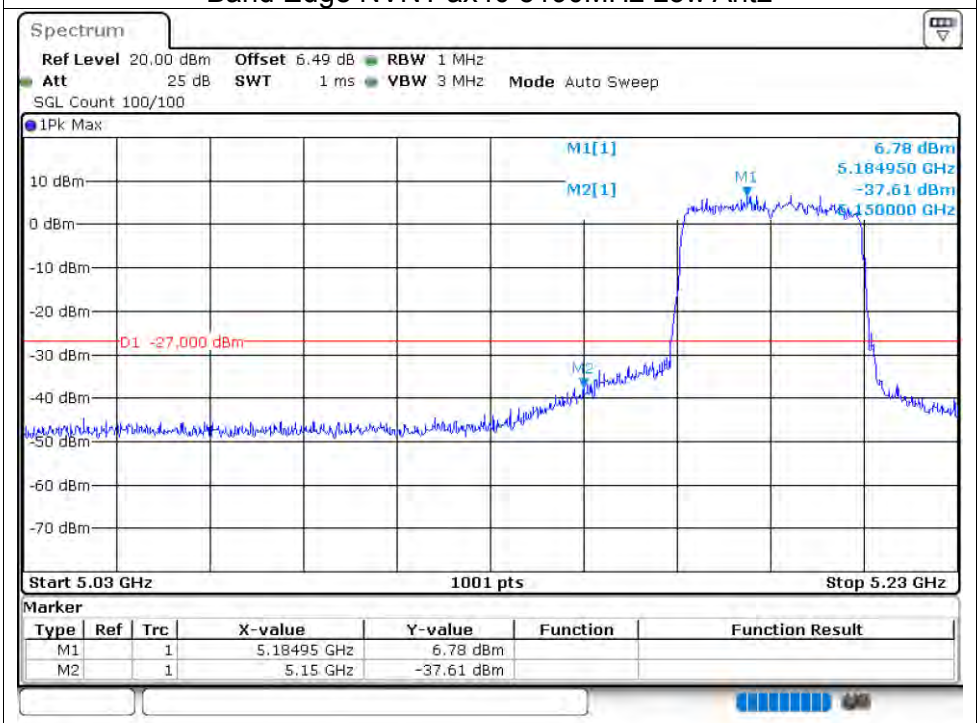
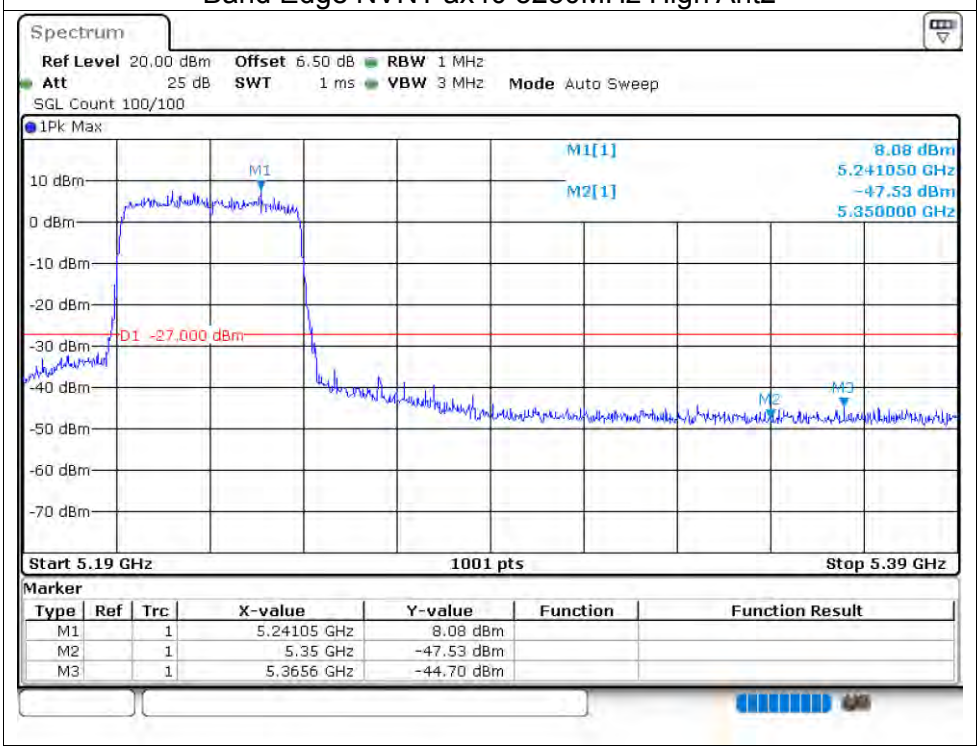
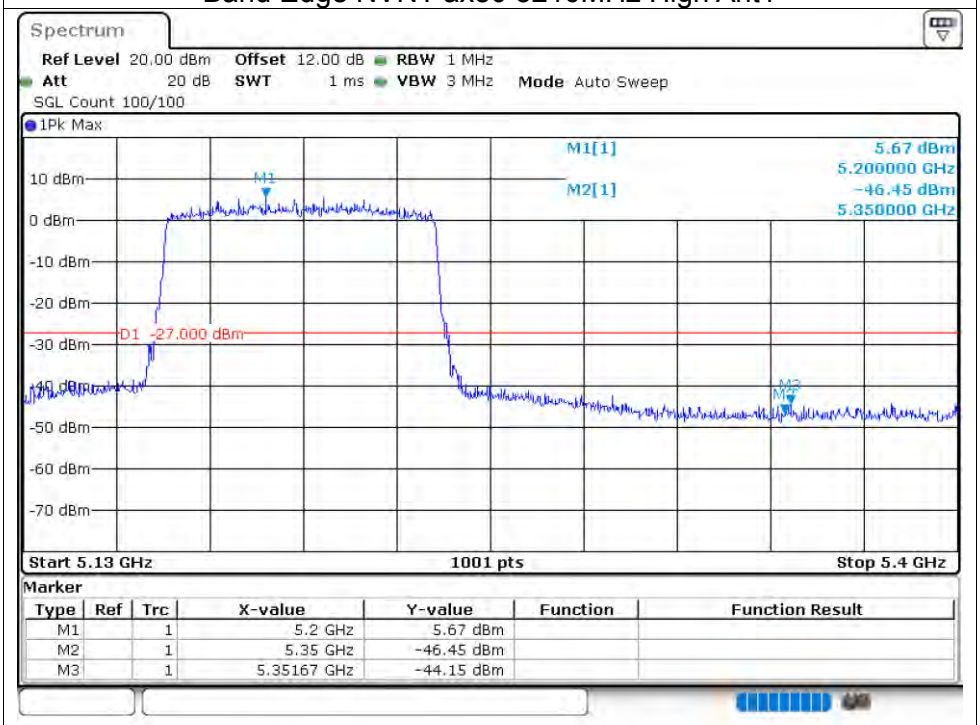
Band Edge NVNT ax40 5190MHz Low Ant2



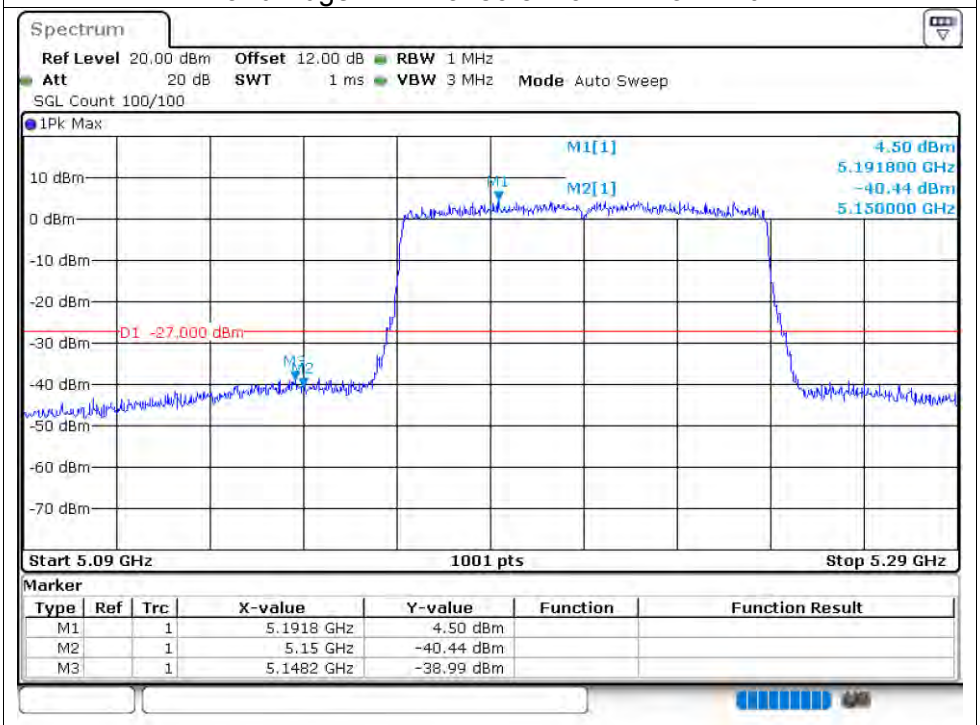
Band Edge NVNT ax40 5230MHz High Ant2



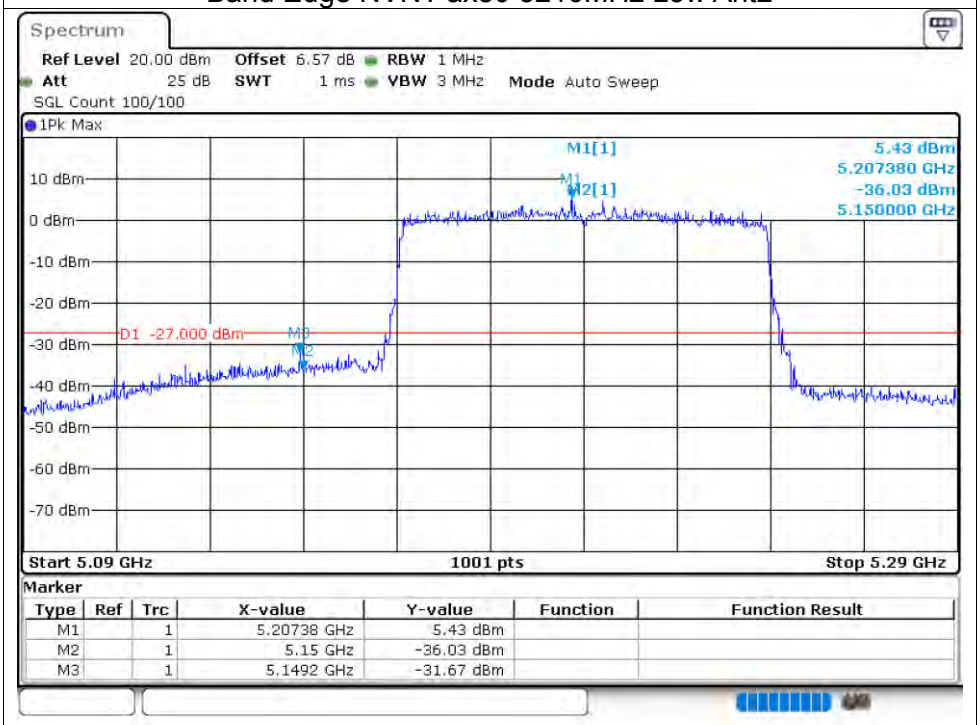
Band Edge NVNT ax80 5210MHz High Ant1



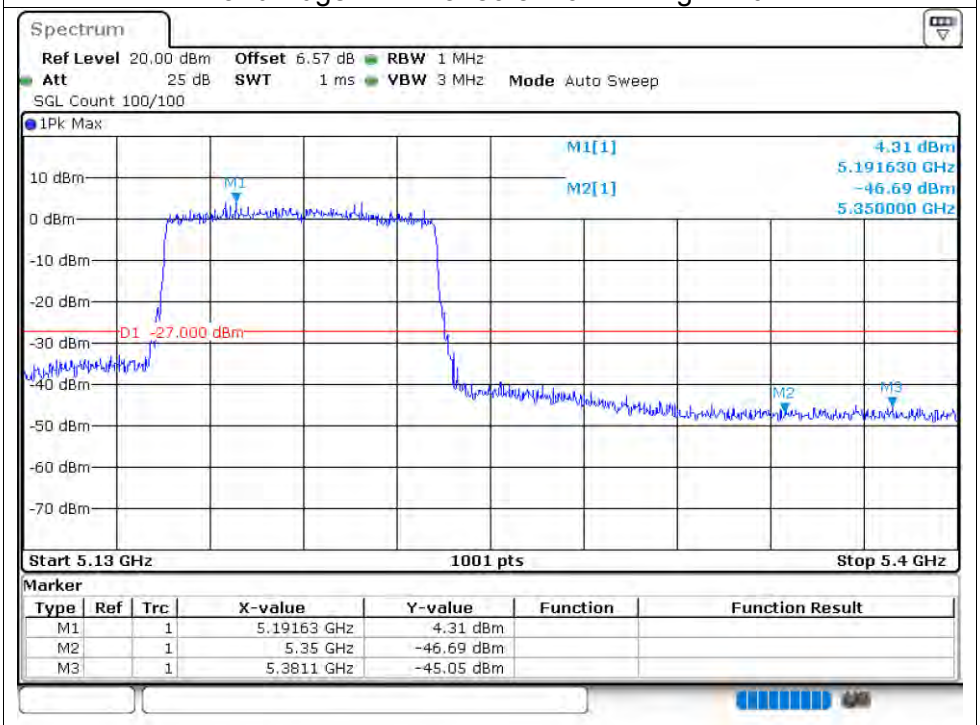
Band Edge NVNT ax80 5210MHz Low Ant1



Band Edge NVNT ax80 5210MHz Low Ant2



Band Edge NVNT ax80 5210MHz High Ant2

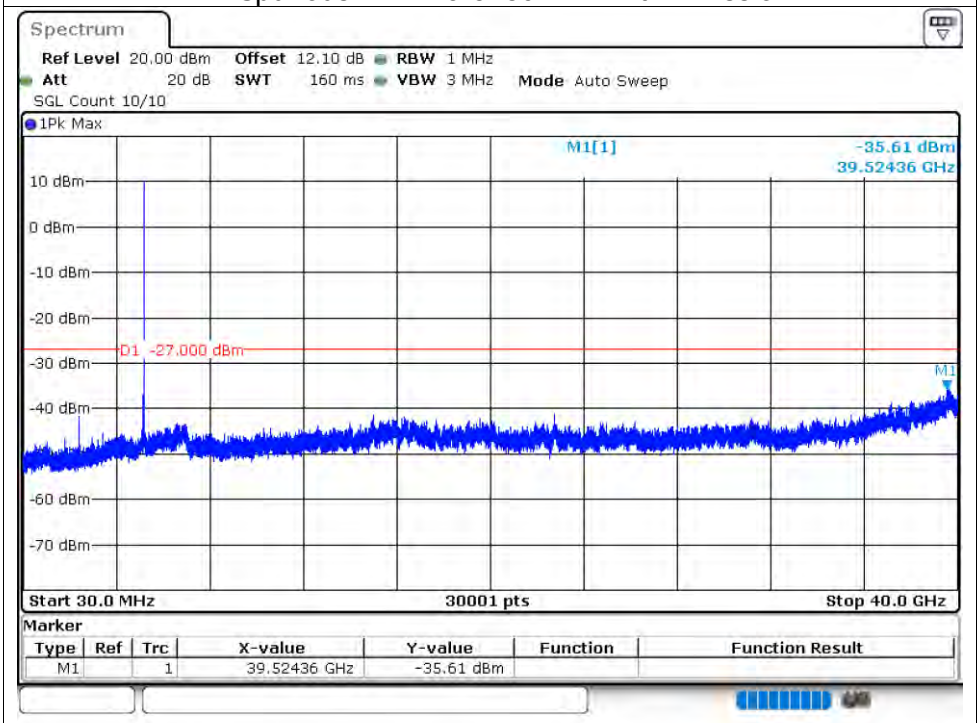


7.1.7 CONDUCTED RF SPURIOUS EMISSION

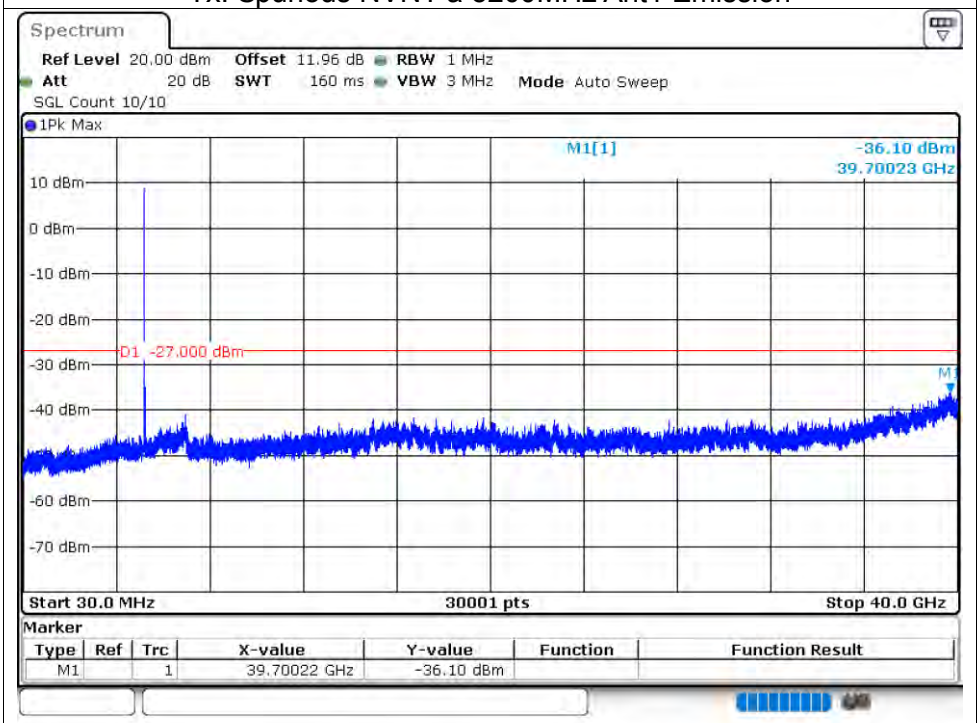
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-35.61	-27	Pass
NVNT	a	5200	Ant1	-36.09	-27	Pass
NVNT	a	5240	Ant1	-35.4	-27	Pass
NVNT	a	5180	Ant2	-40.83	-27	Pass
NVNT	a	5200	Ant2	-39.41	-27	Pass
NVNT	a	5240	Ant2	-40.54	-27	Pass
NVNT	n20	5180	Ant1	-36.31	-27	Pass
NVNT	n20	5200	Ant1	-35.68	-27	Pass
NVNT	n20	5240	Ant1	-36.27	-27	Pass
NVNT	n20	5180	Ant2	-40.61	-27	Pass
NVNT	n20	5200	Ant2	-40.14	-27	Pass
NVNT	n20	5240	Ant2	-40.16	-27	Pass
NVNT	n40	5190	Ant1	-35.87	-27	Pass
NVNT	n40	5230	Ant1	-36.42	-27	Pass
NVNT	n40	5190	Ant2	-39.82	-27	Pass
NVNT	n40	5230	Ant2	-40.17	-27	Pass
NVNT	ac20	5180	Ant1	-35.36	-27	Pass
NVNT	ac20	5200	Ant1	-35.3	-27	Pass
NVNT	ac20	5240	Ant1	-34.84	-27	Pass
NVNT	ac20	5180	Ant2	-40.19	-27	Pass
NVNT	ac20	5200	Ant2	-40.15	-27	Pass
NVNT	ac20	5240	Ant2	-40.91	-27	Pass
NVNT	ac40	5190	Ant1	-35.5	-27	Pass
NVNT	ac40	5230	Ant1	-36.21	-27	Pass
NVNT	ac40	5190	Ant2	-40.3	-27	Pass
NVNT	ac40	5230	Ant2	-40.8	-27	Pass
NVNT	ac80	5210	Ant1	-35.44	-27	Pass
NVNT	ac80	5210	Ant2	-40.13	-27	Pass
NVNT	ac160	5250	Ant1	-35.53	-27	Pass
NVNT	ac160	5250	Ant2	-41.94	-27	Pass
NVNT	ax160	5250	Ant1	-34.56	-27	Pass
NVNT	ax160	5250	Ant2	-40.49	-27	Pass
NVNT	ax20	5180	Ant1	-36.11	-27	Pass
NVNT	ax20	5200	Ant1	-35.42	-27	Pass
NVNT	ax20	5240	Ant1	-35.67	-27	Pass
NVNT	ax20	5180	Ant2	-40.89	-27	Pass
NVNT	ax20	5200	Ant2	-40.84	-27	Pass
NVNT	ax20	5240	Ant2	-39.83	-27	Pass
NVNT	ax40	5190	Ant1	-35.59	-27	Pass
NVNT	ax40	5230	Ant1	-35.69	-27	Pass
NVNT	ax40	5190	Ant2	-40.16	-27	Pass
NVNT	ax40	5230	Ant2	-40.02	-27	Pass
NVNT	ax80	5210	Ant1	-35.91	-27	Pass
NVNT	ax80	5210	Ant2	-39.61	-27	Pass

Test Graphs

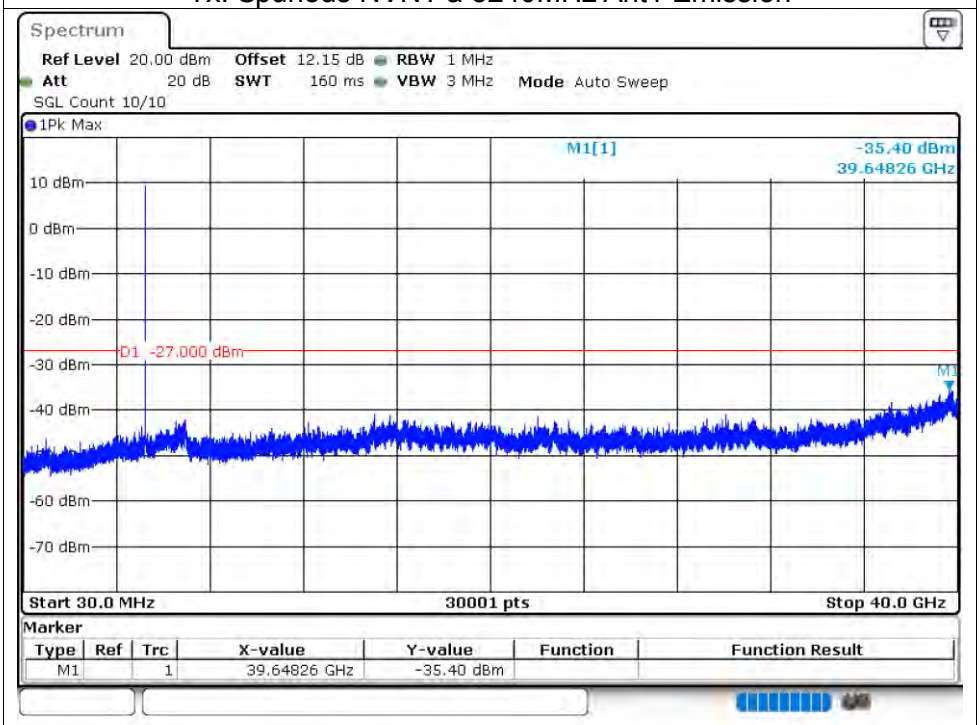
Tx. Spurious NVNT a 5180MHz Ant1 Emission



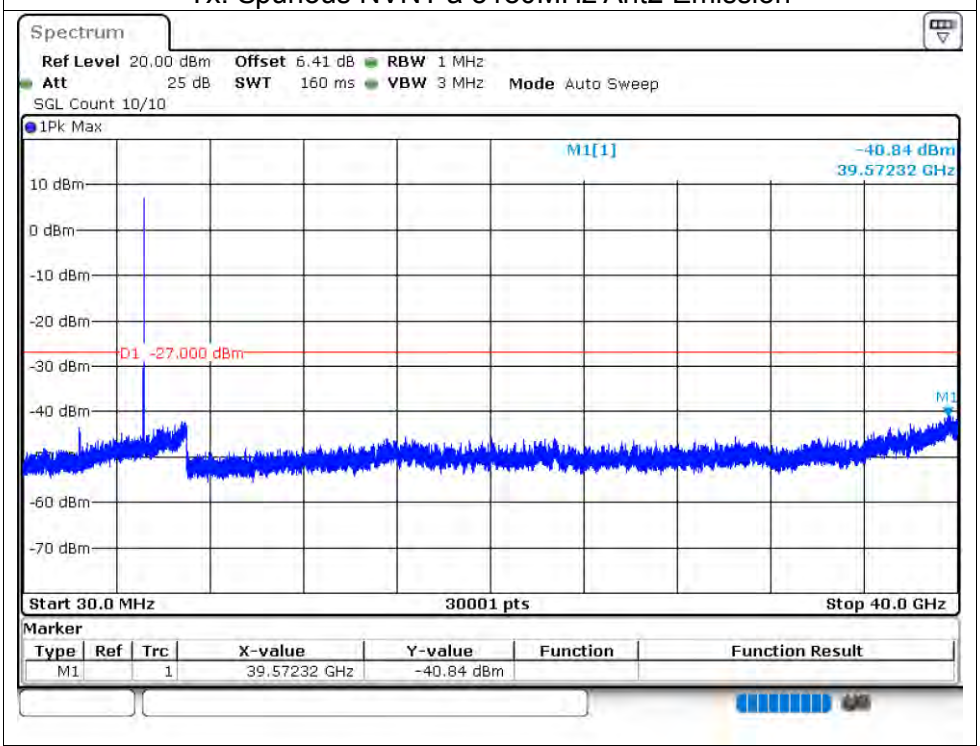
Tx. Spurious NVNT a 5200MHz Ant1 Emission



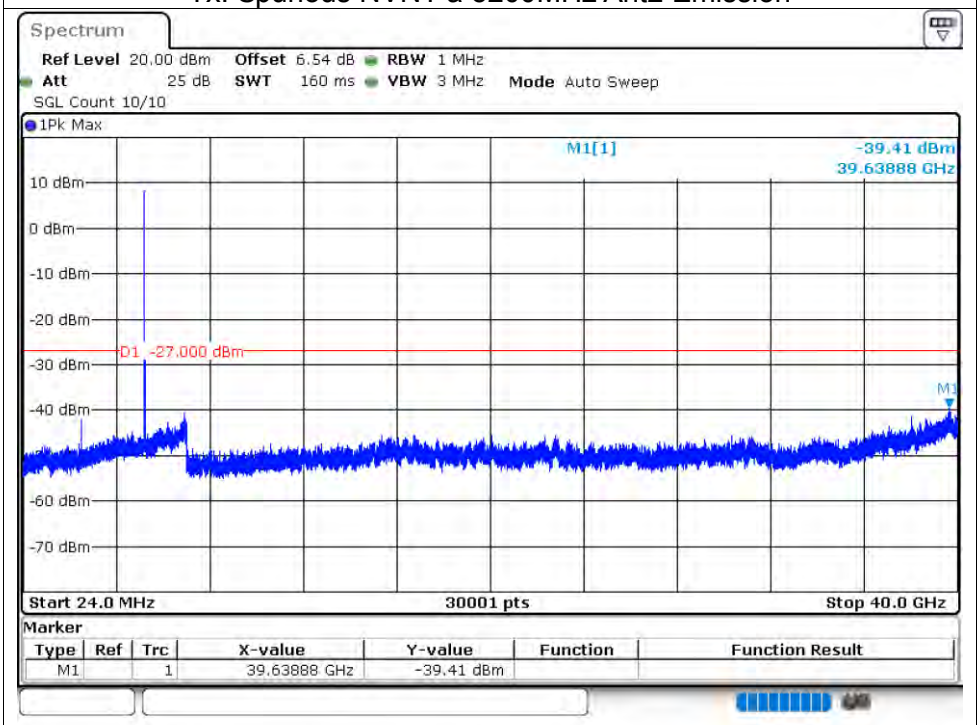
Tx. Spurious NVNT a 5240MHz Ant1 Emission



Tx. Spurious NVNT a 5180MHz Ant2 Emission



Tx. Spurious NVNT a 5200MHz Ant2 Emission



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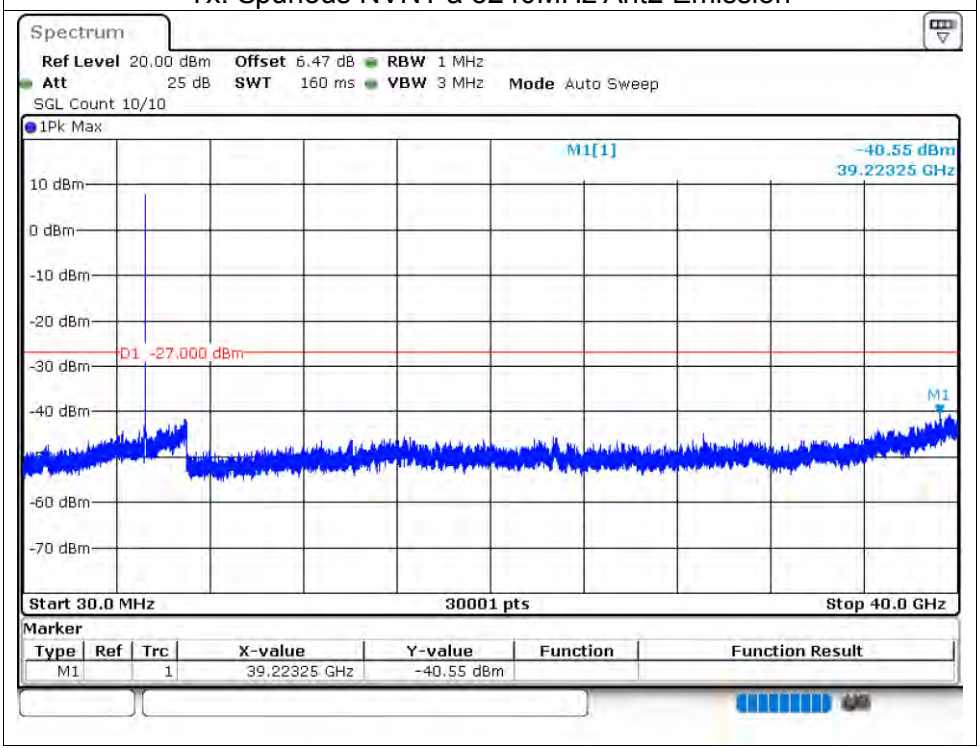
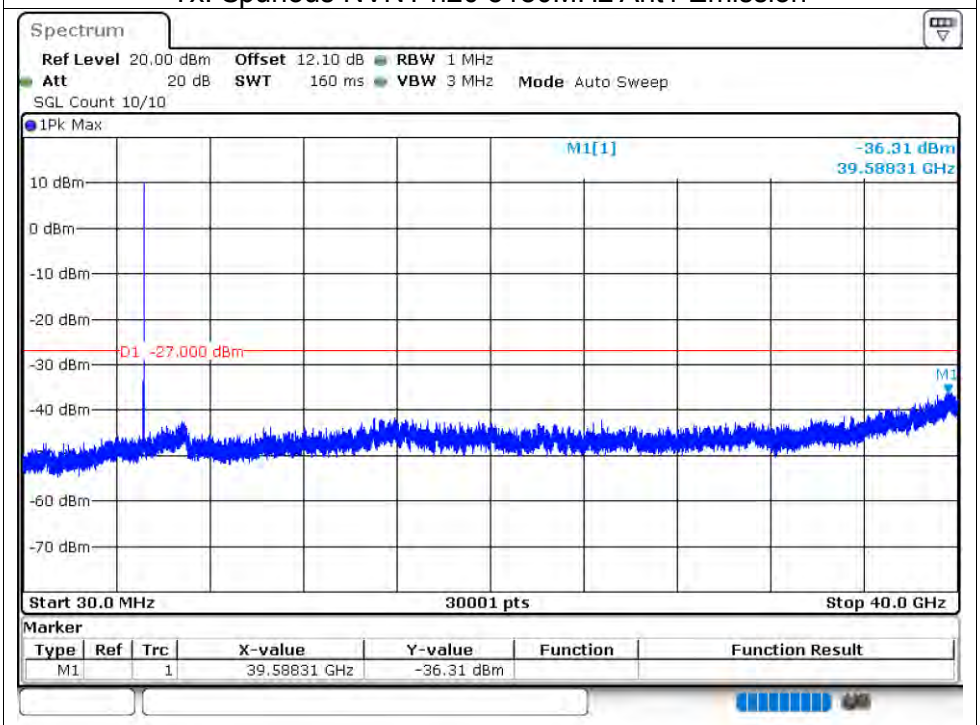
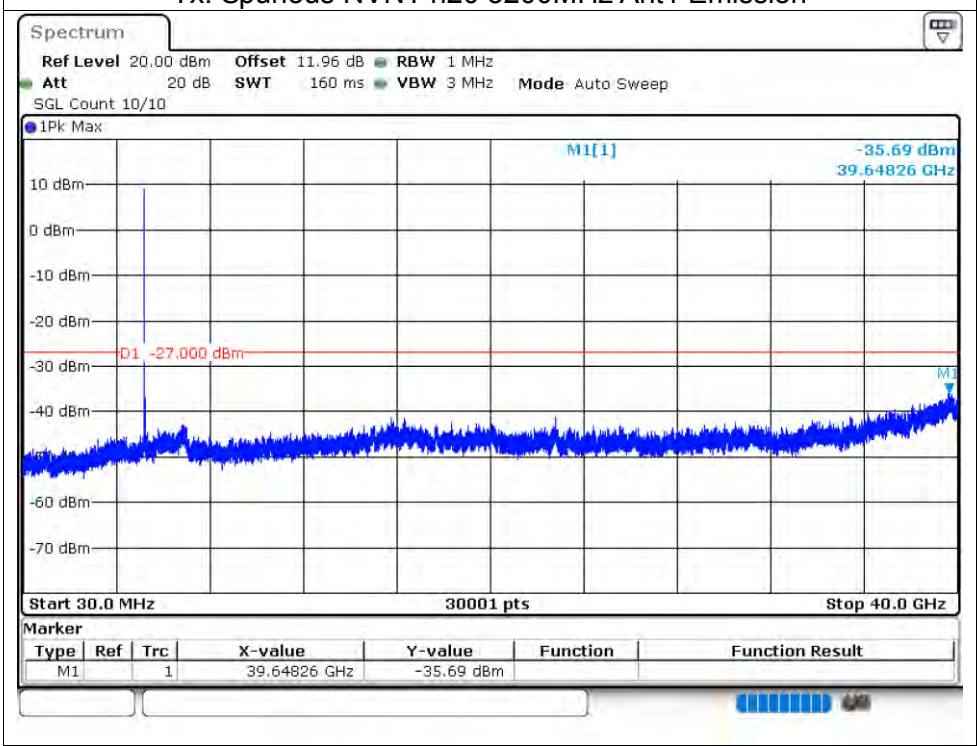


Tx. Spurious NVNT n20 5180MHz Ant1 Emission



Tx. Spurious NVNT n20 5200MHz Ant1 Emission



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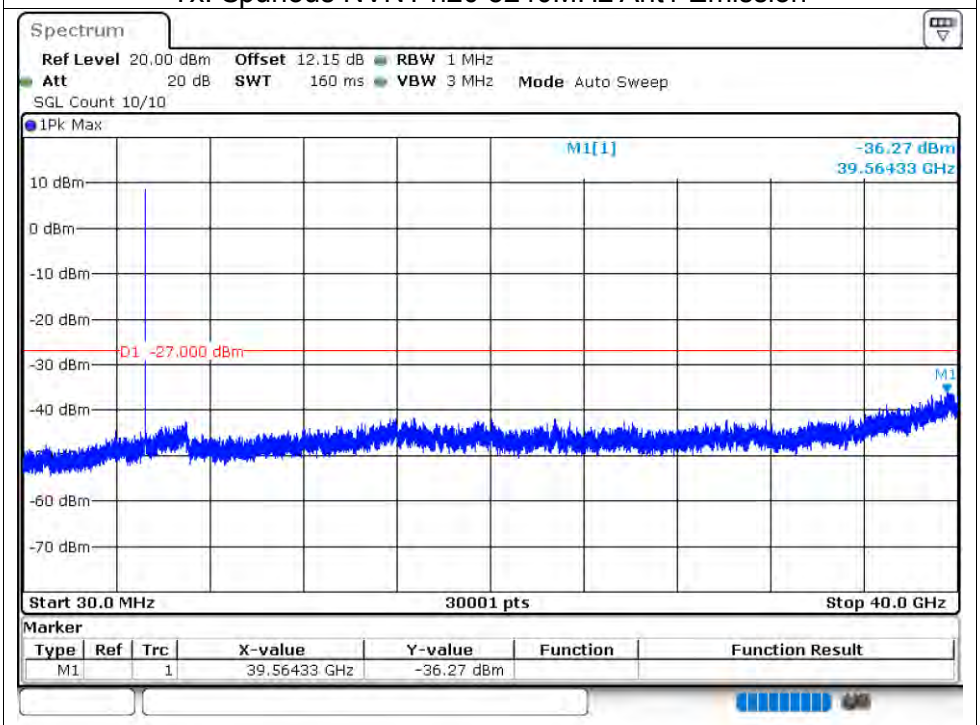

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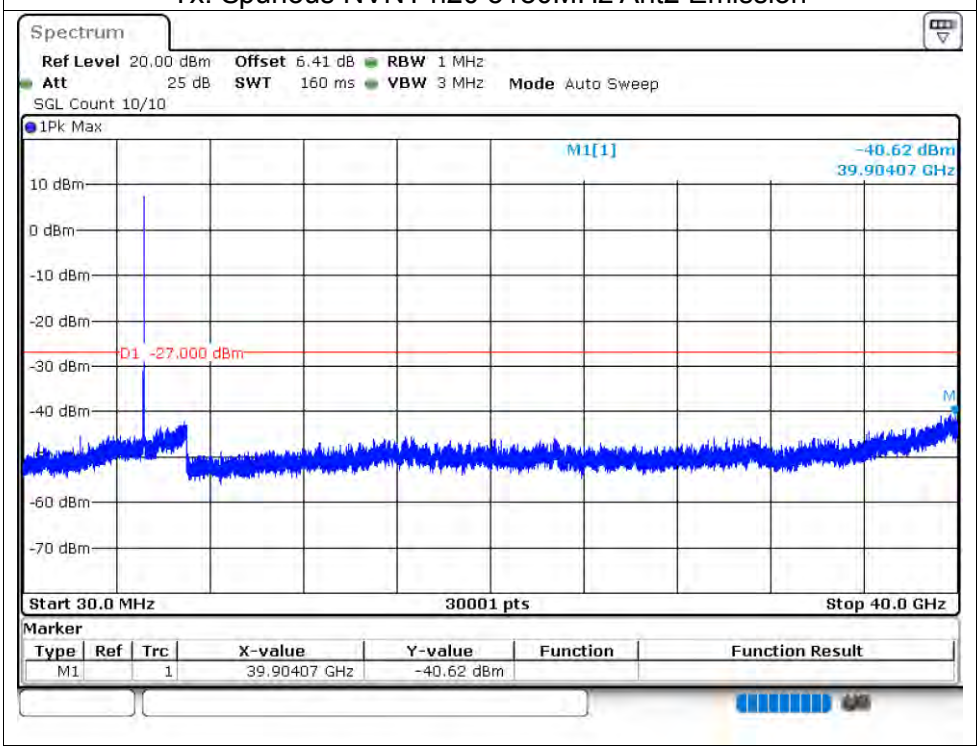
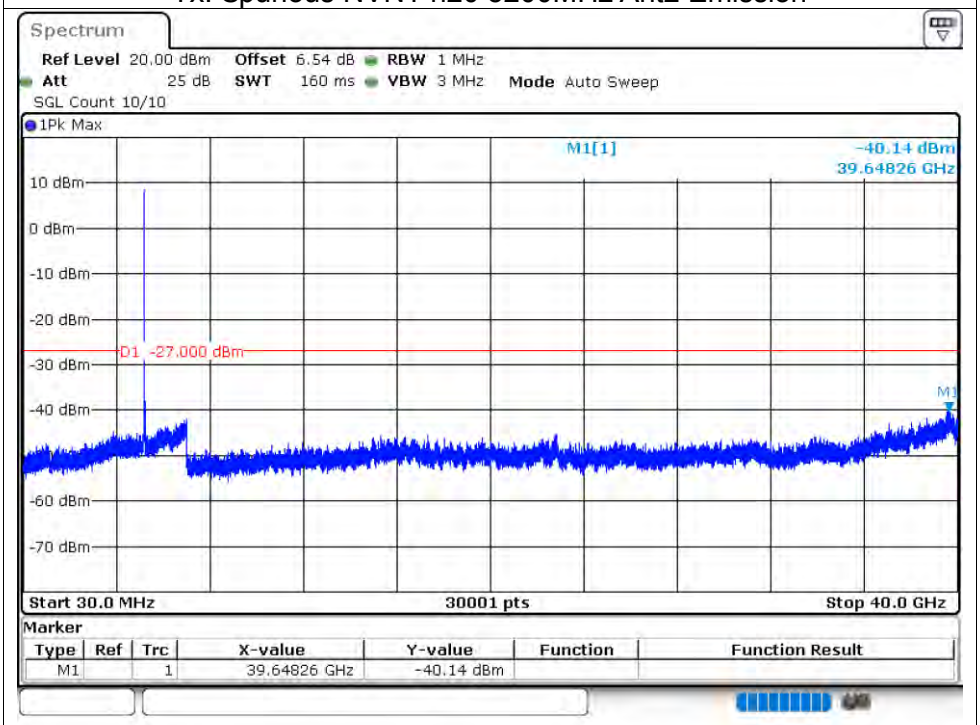


Tx. Spurious NVNT n20 5200MHz Ant2 Emission



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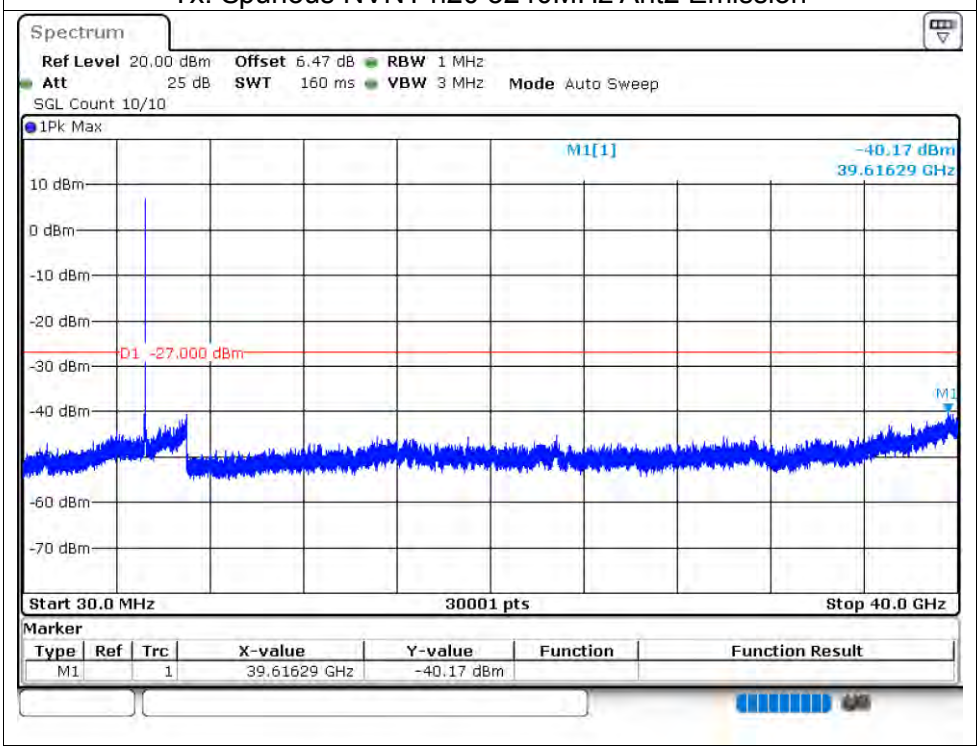

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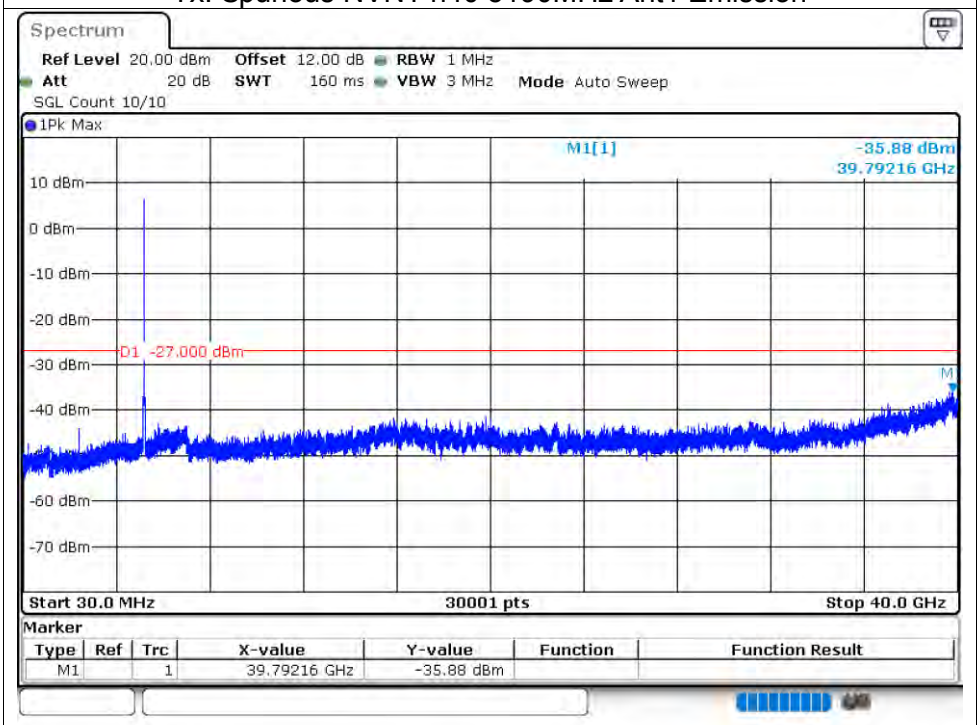
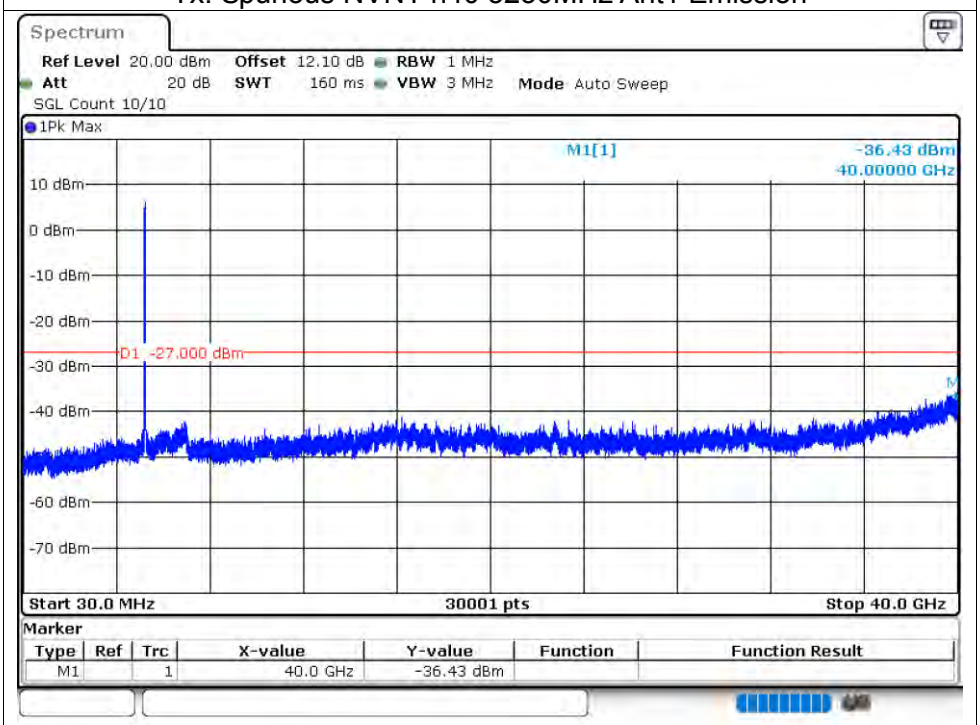


Tx. Spurious NVNT n40 5230MHz Ant1 Emission



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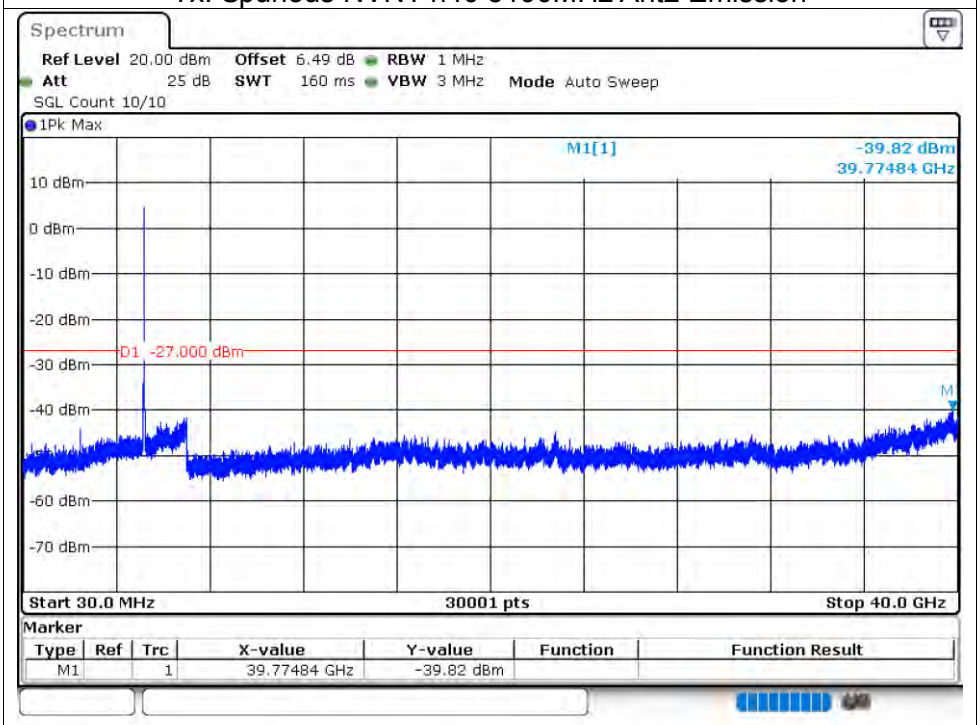
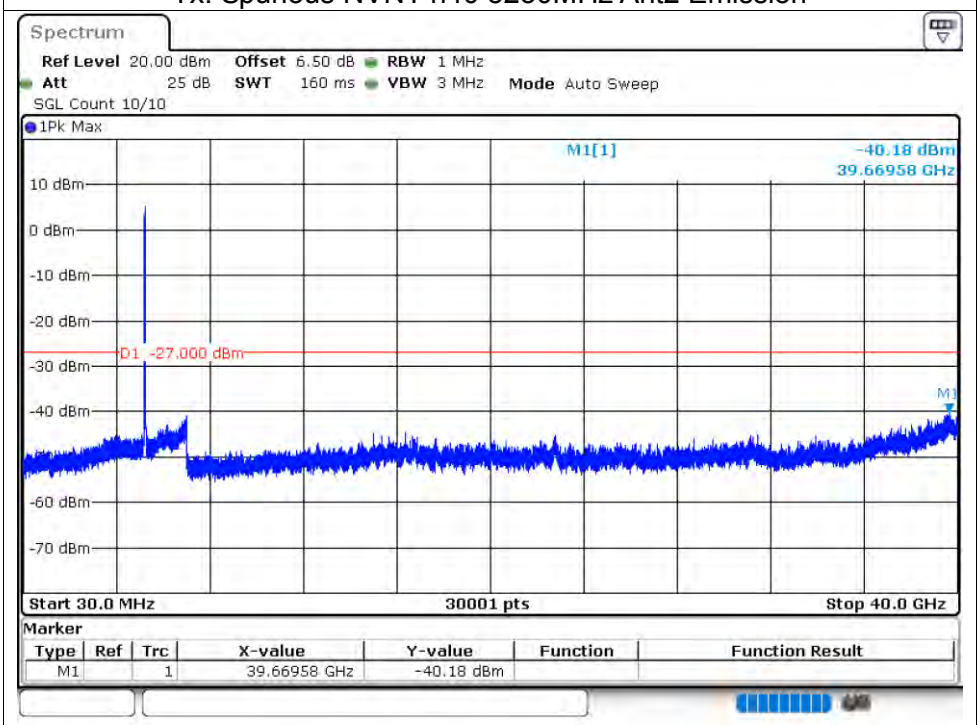
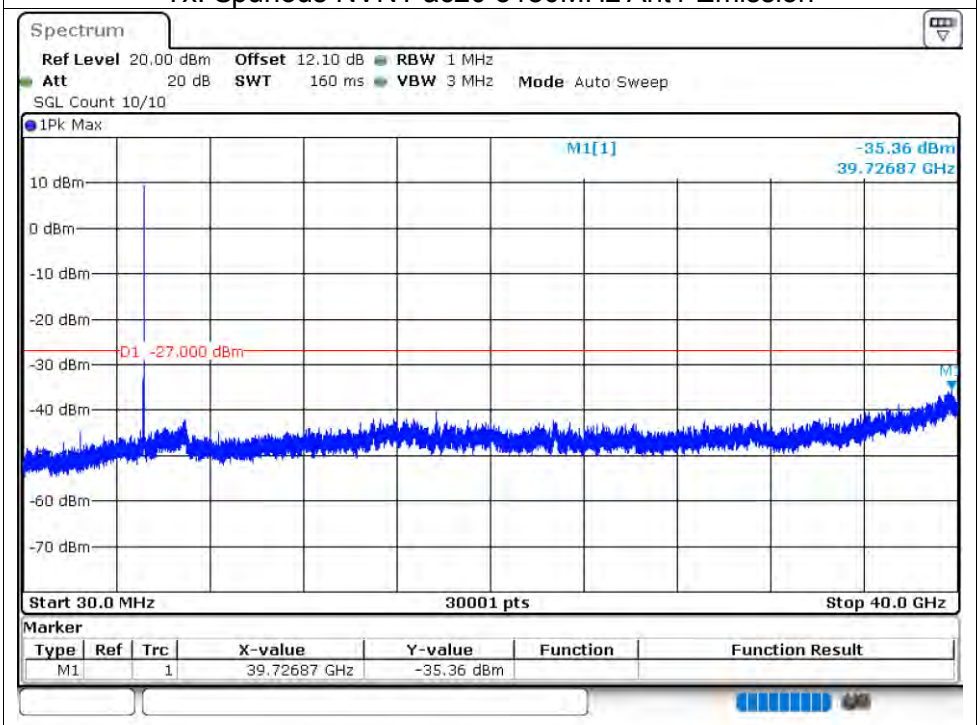


Tx. Spurious NVNT n40 5230MHz Ant2 Emission



Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



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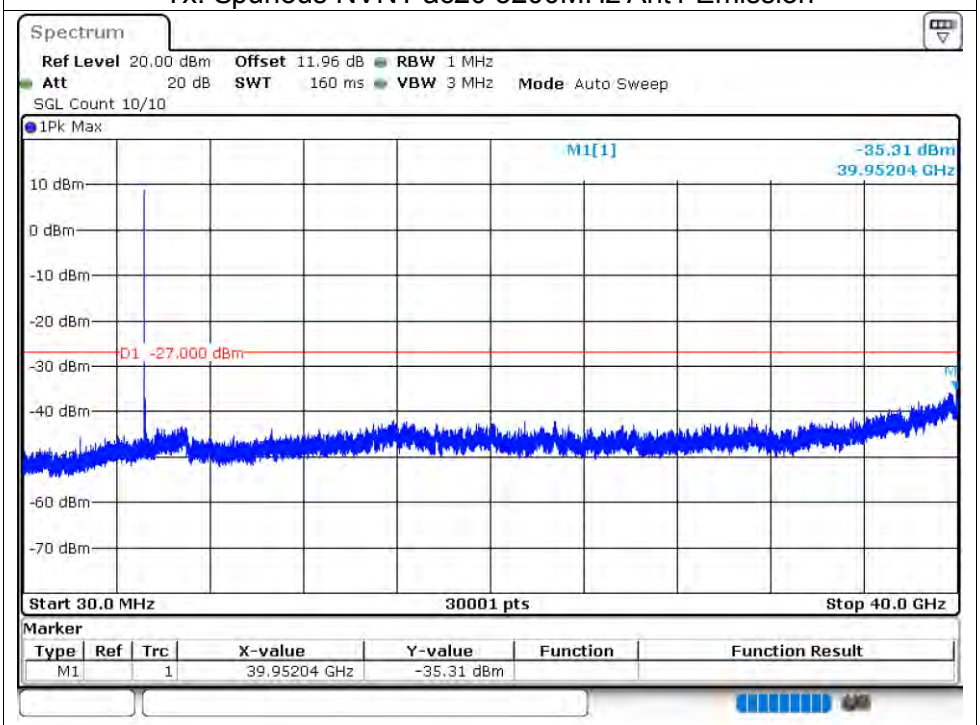

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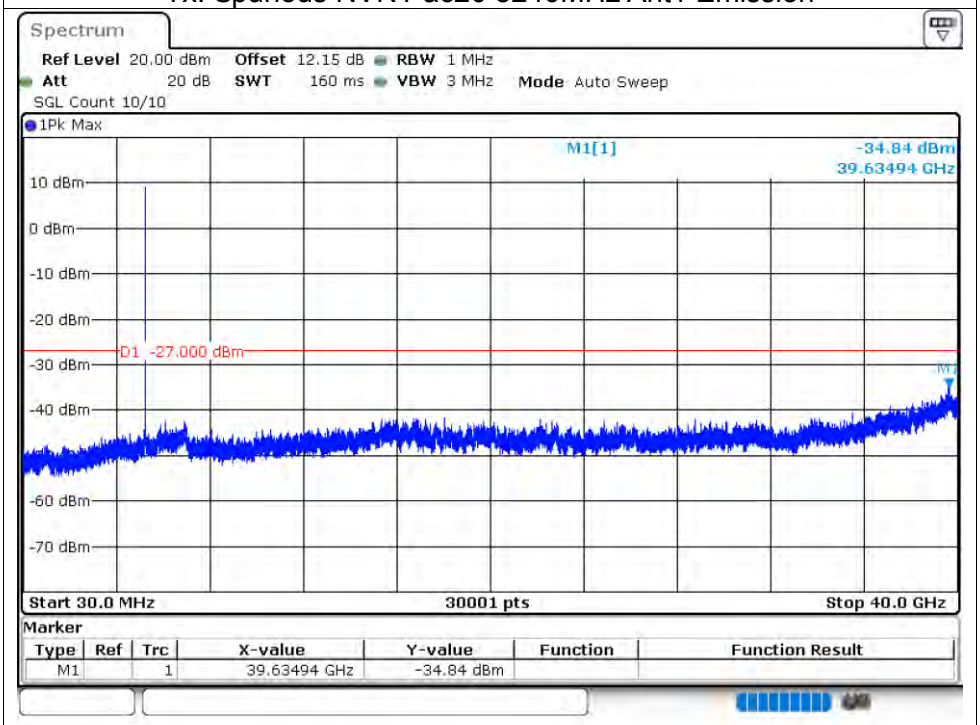

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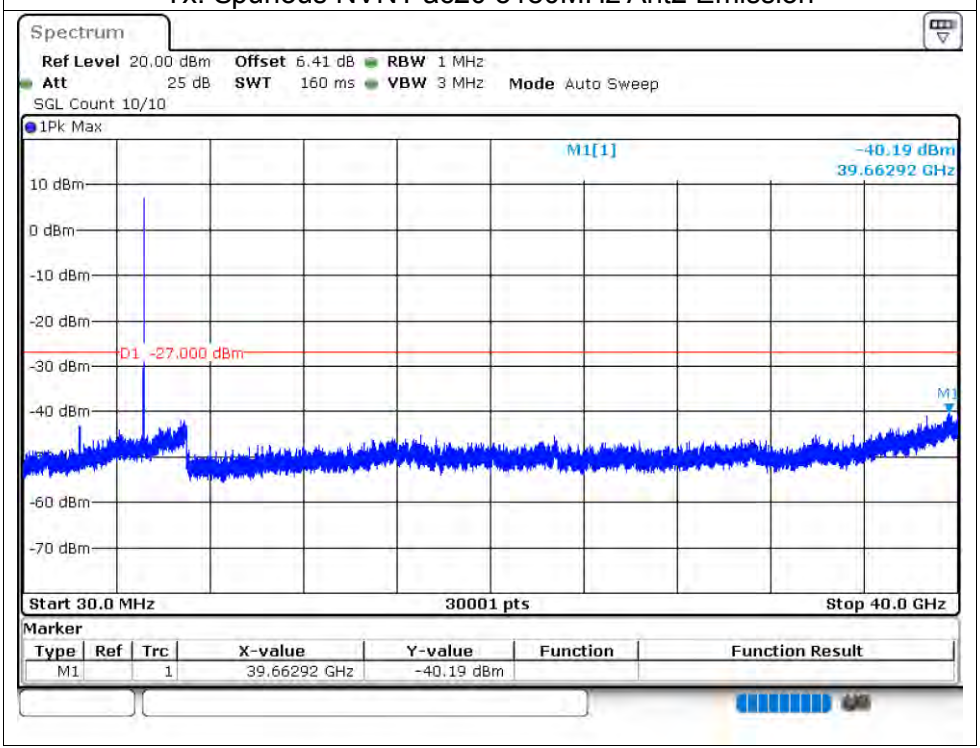
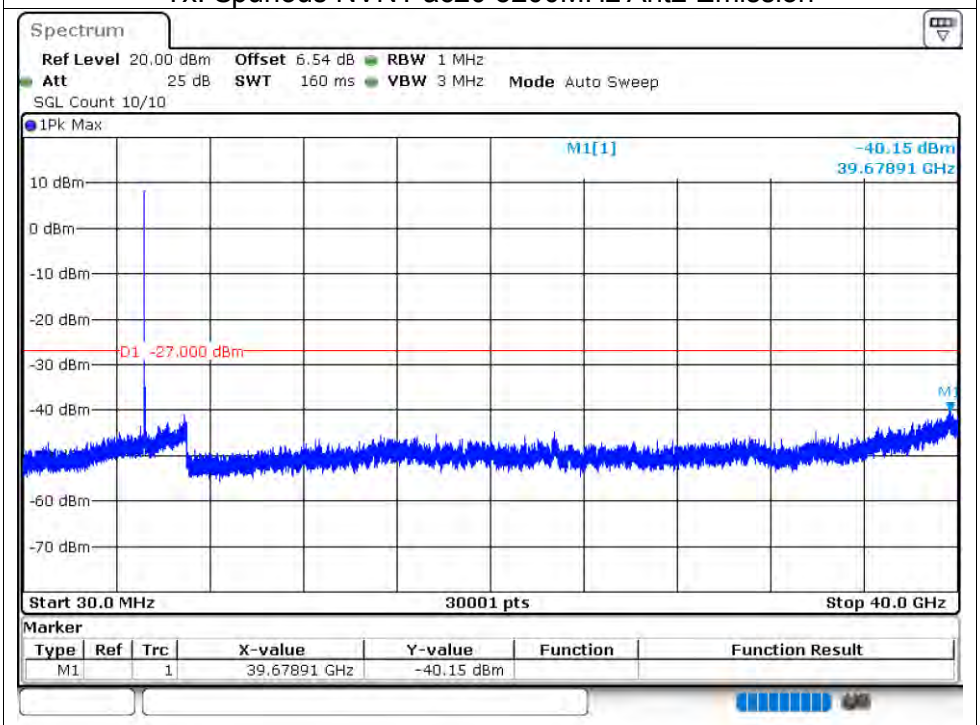
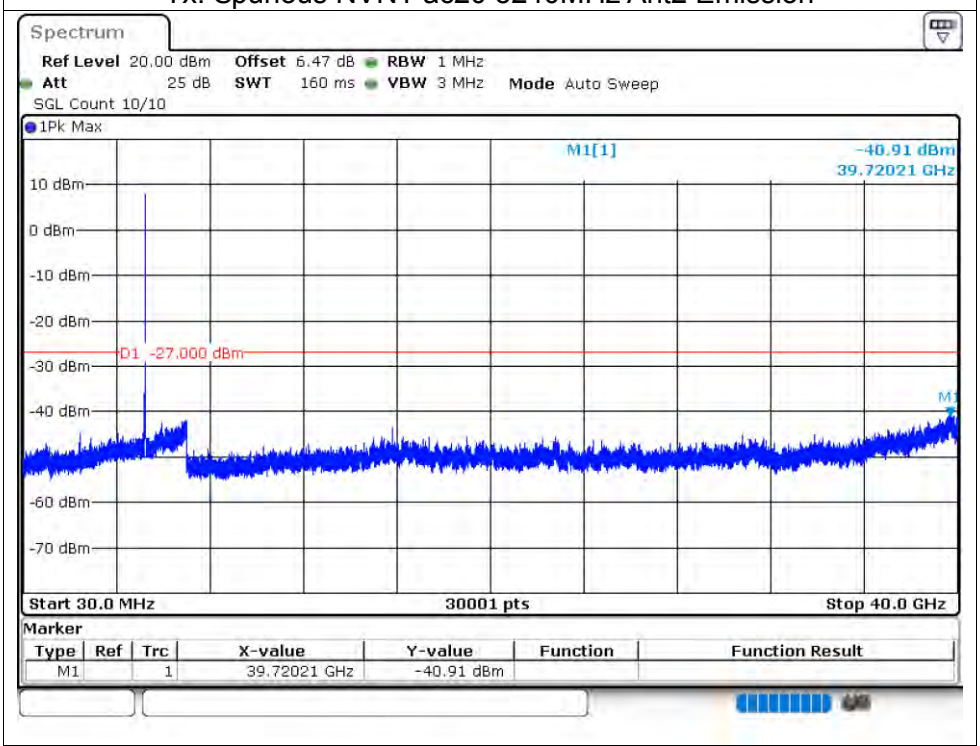


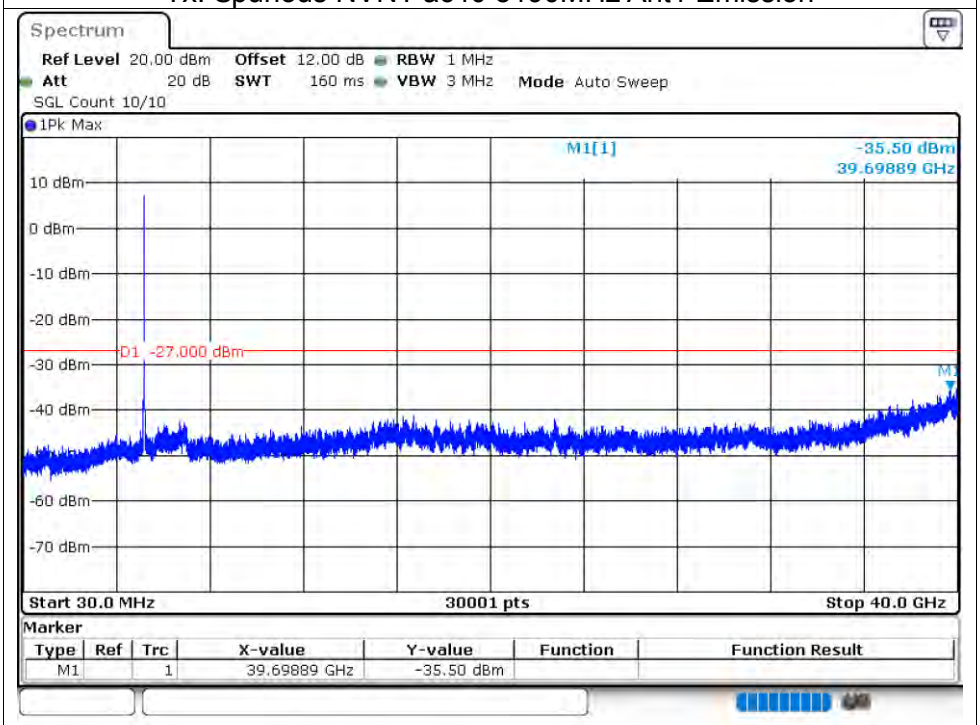
Tx. Spurious NVNT ac20 5200MHz Ant2 Emission



Tx. Spurious NVNT ac20 5240MHz Ant2 Emission



Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



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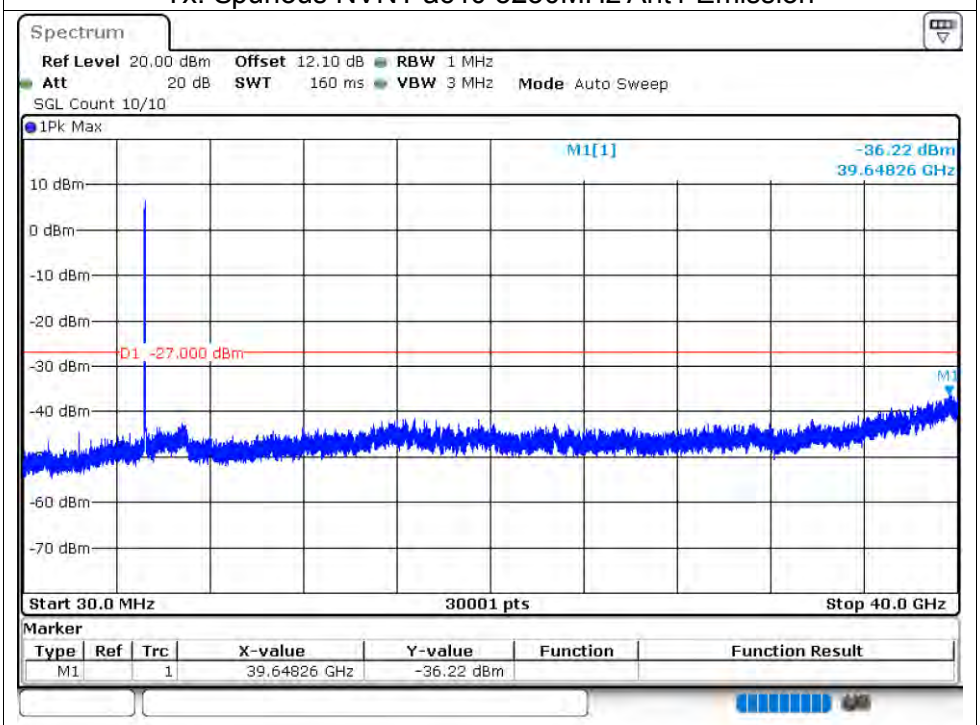

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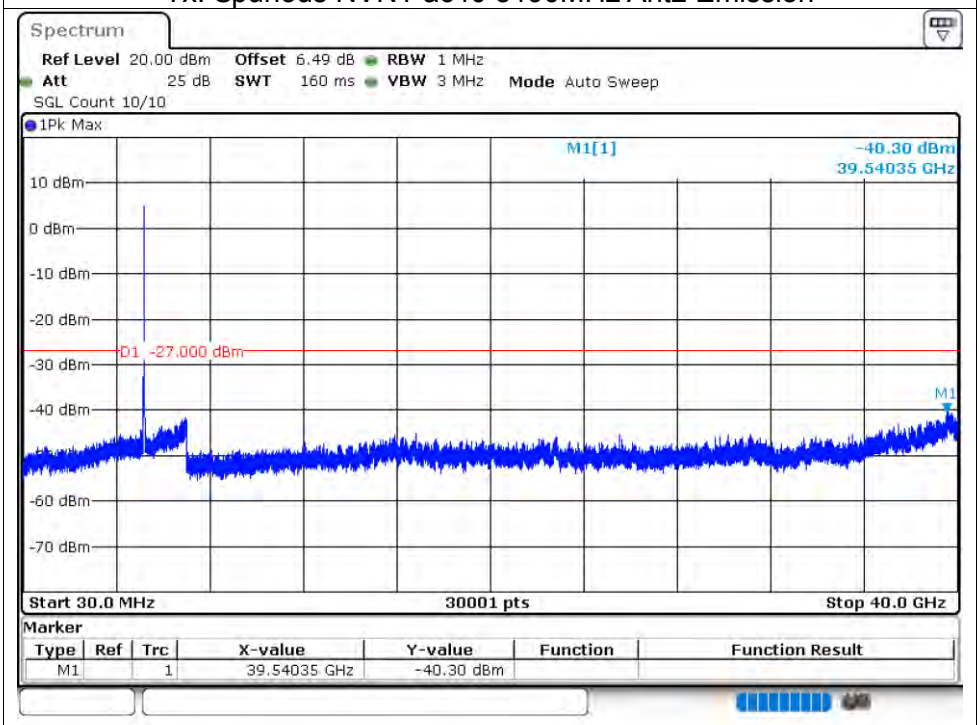

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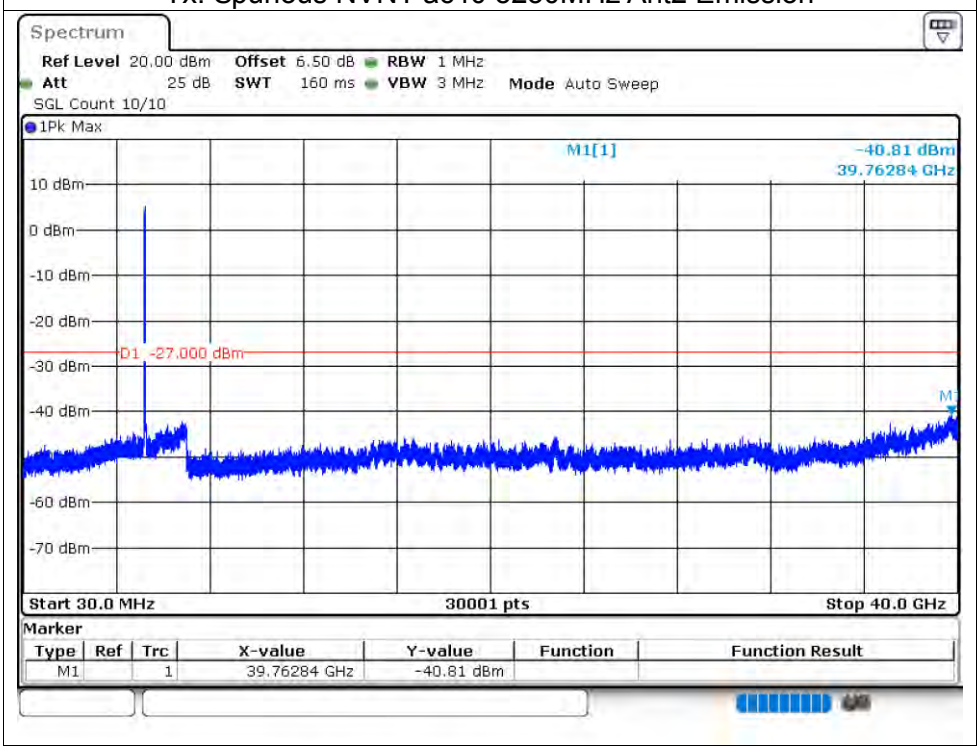

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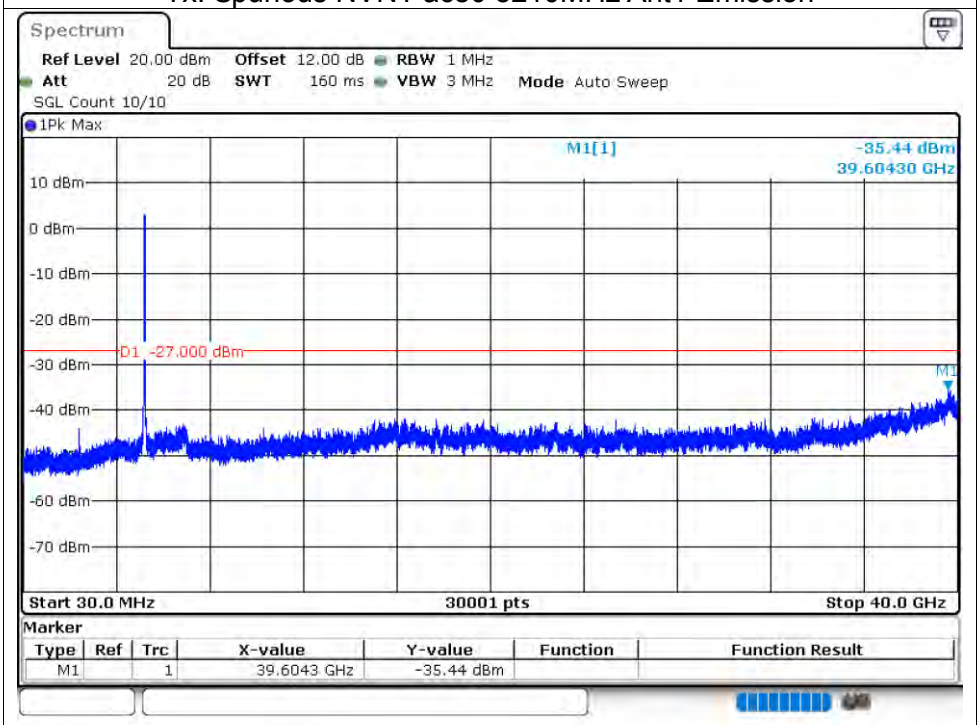

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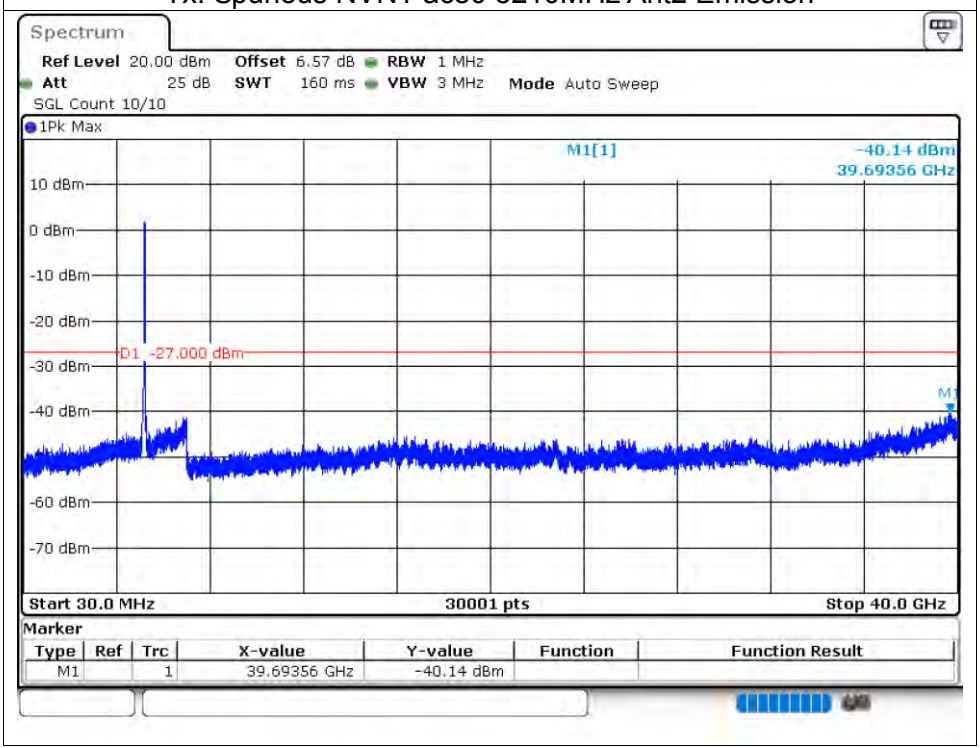
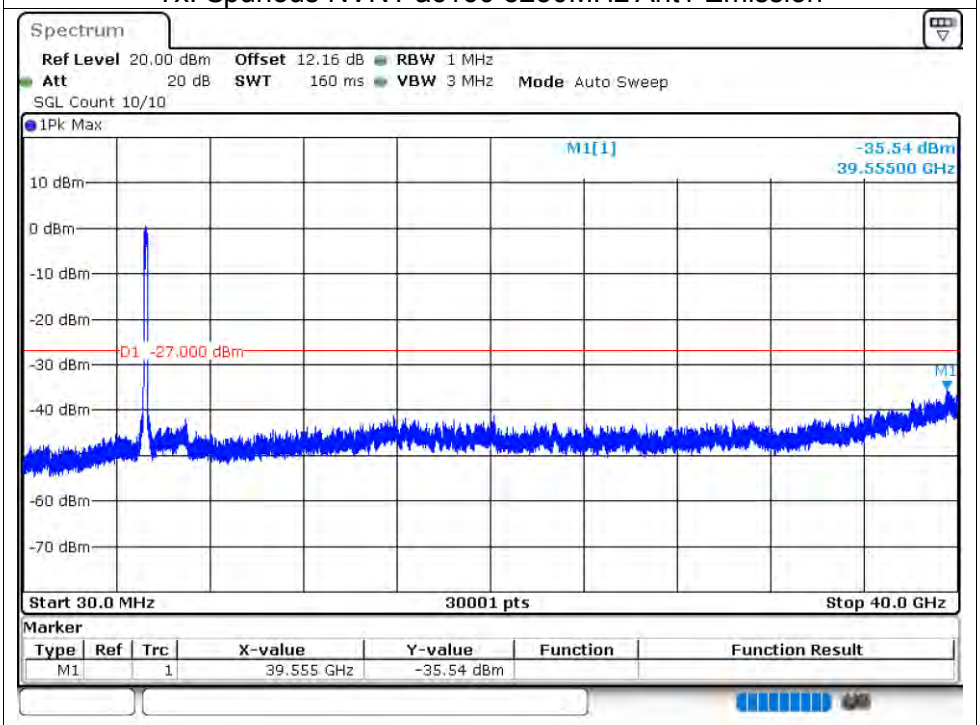
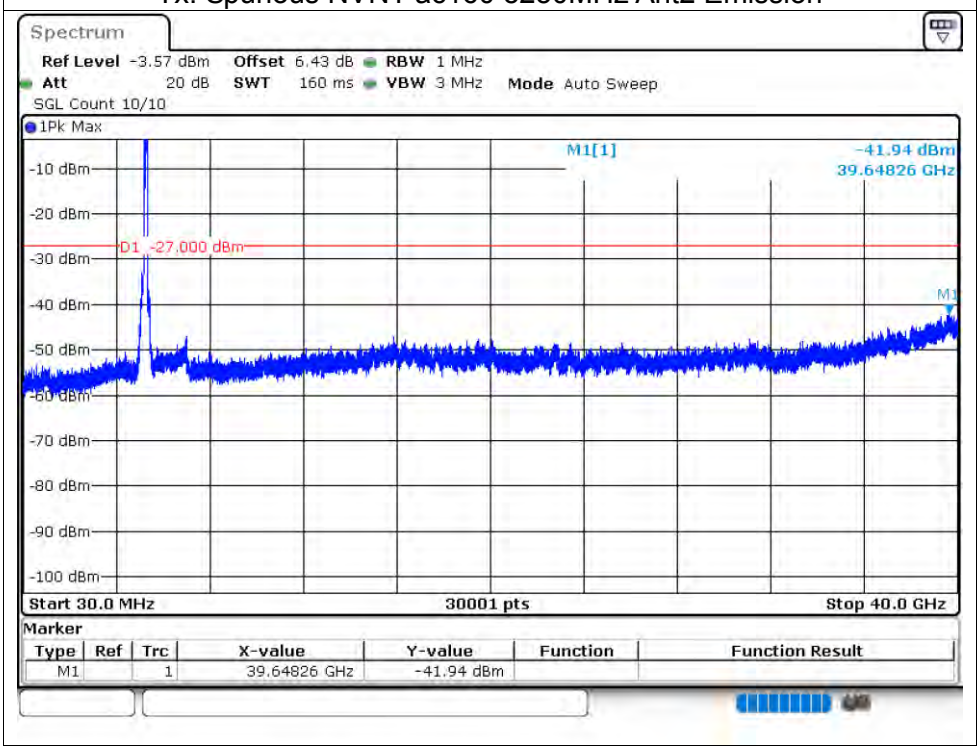


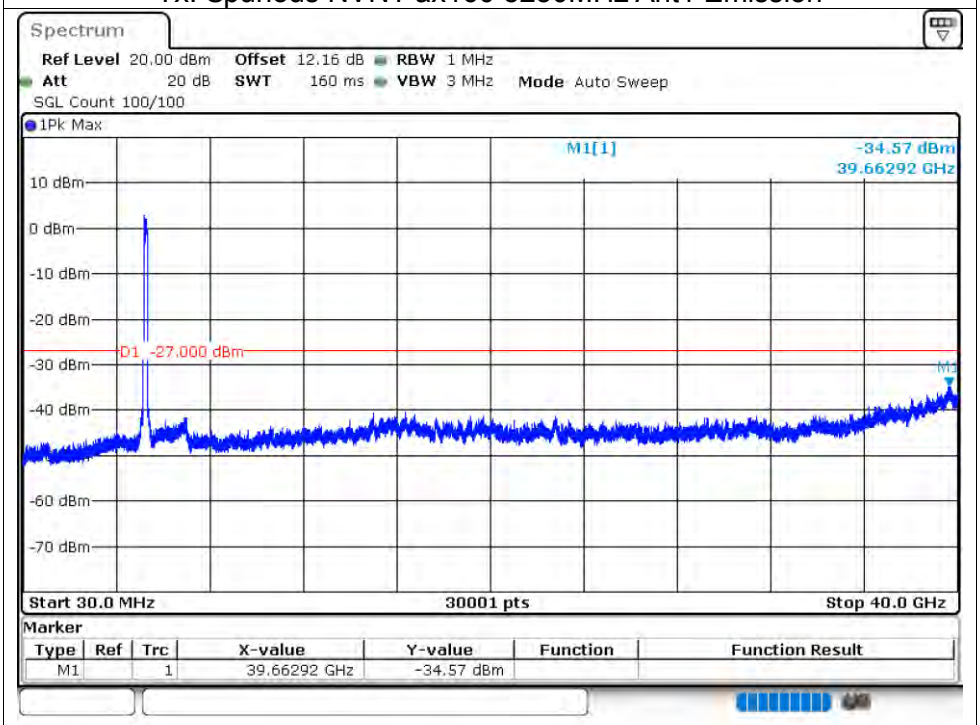
Tx. Spurious NVNT ac160 5250MHz Ant1 Emission



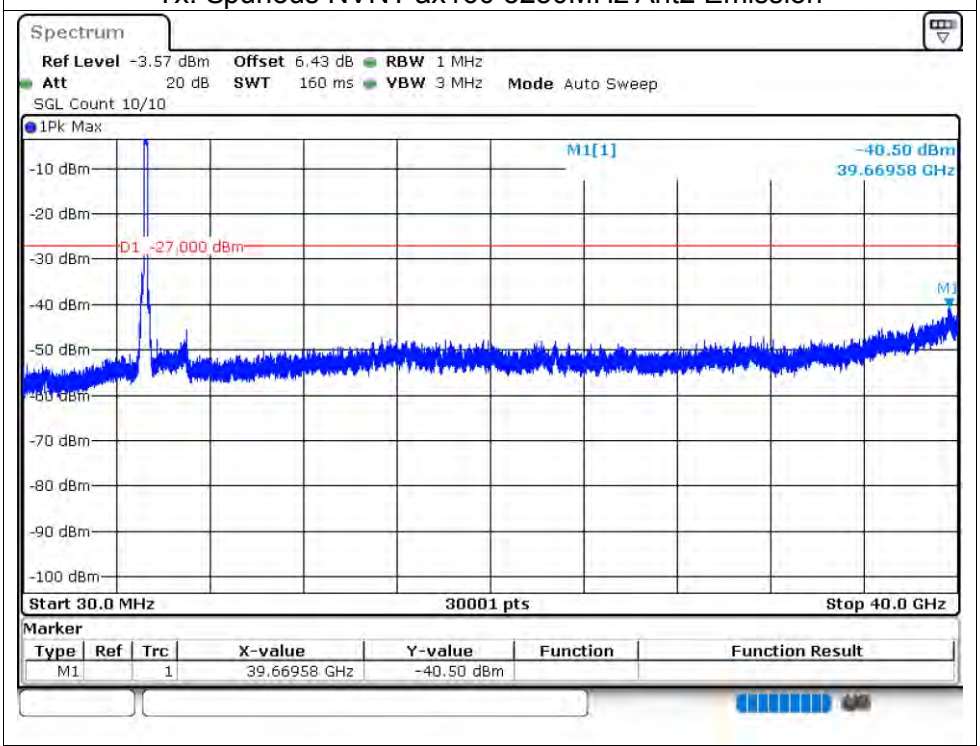
Tx. Spurious NVNT ac160 5250MHz Ant2 Emission



Tx. Spurious NVNT ax160 5250MHz Ant1 Emission



Tx. Spurious NVNT ax160 5250MHz Ant2 Emission



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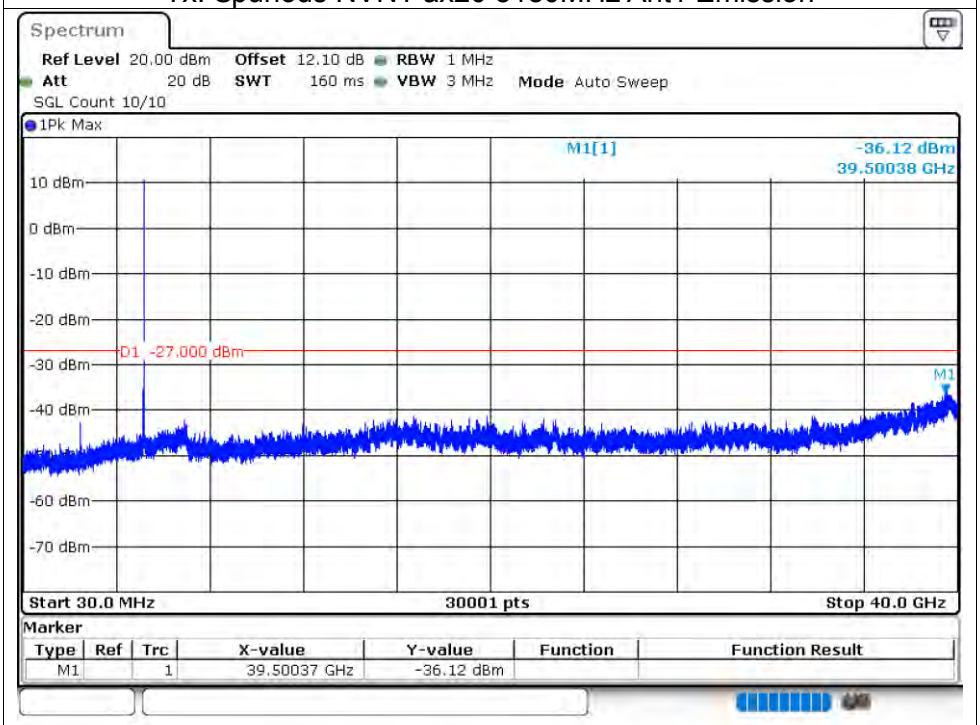

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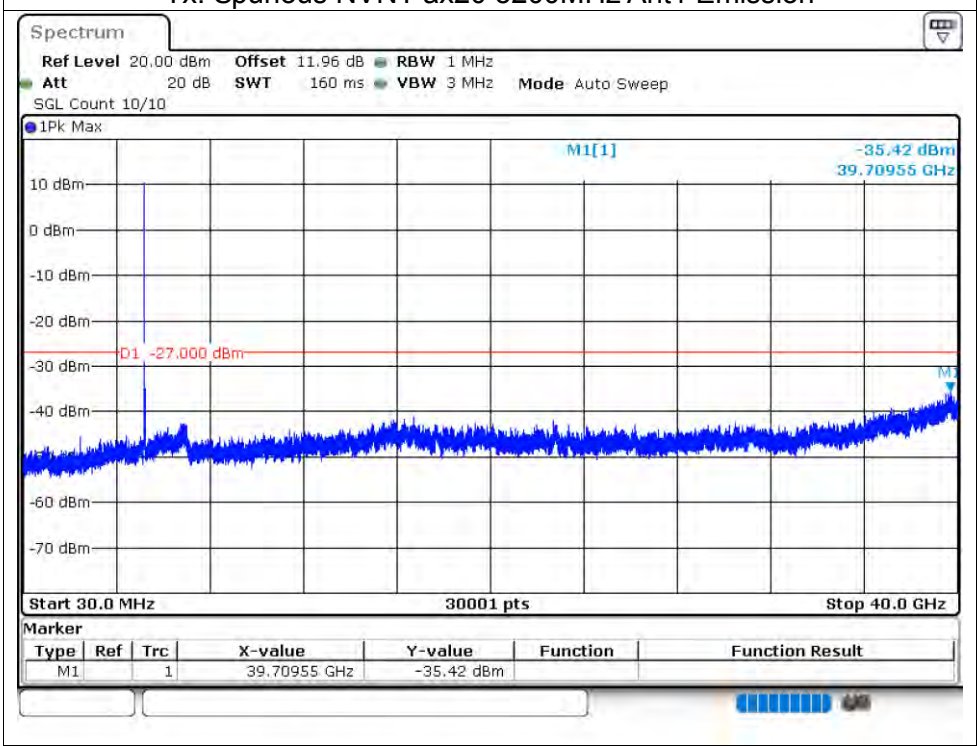

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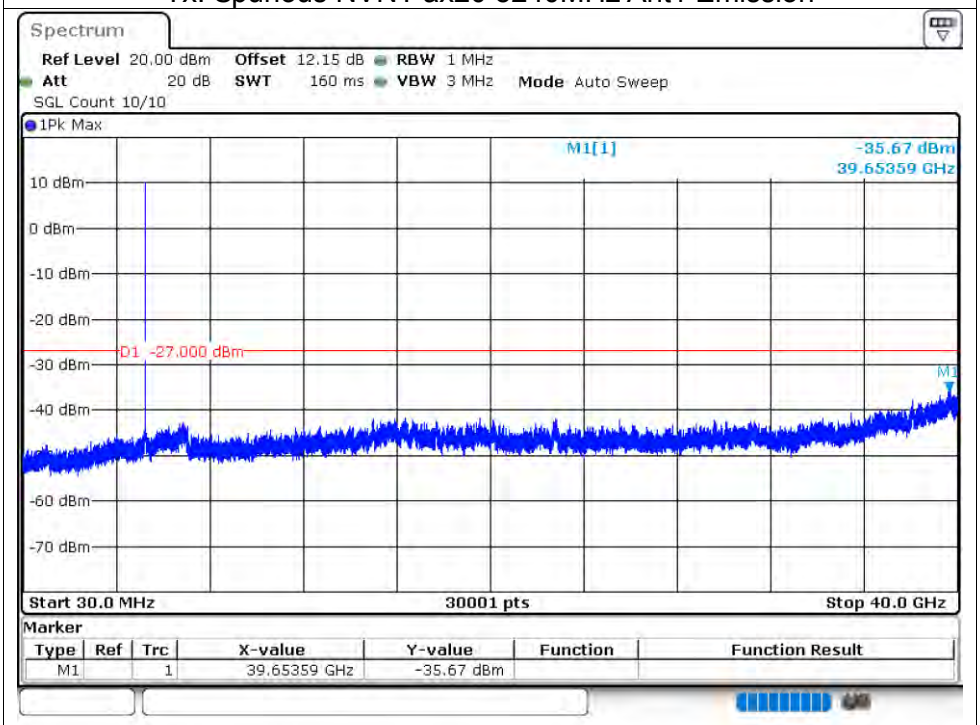

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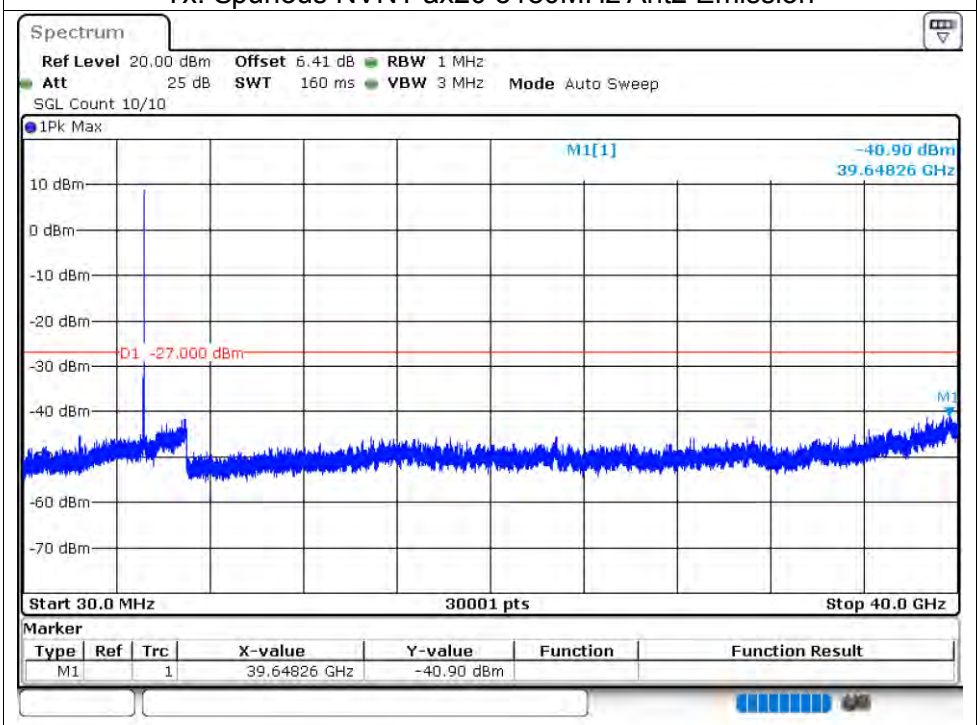
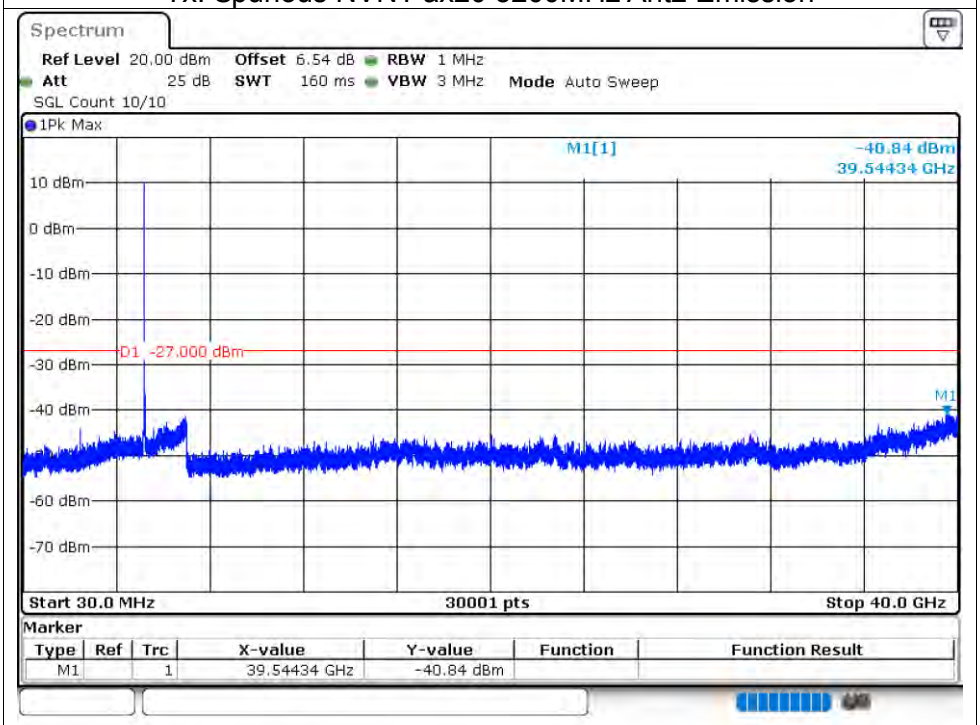
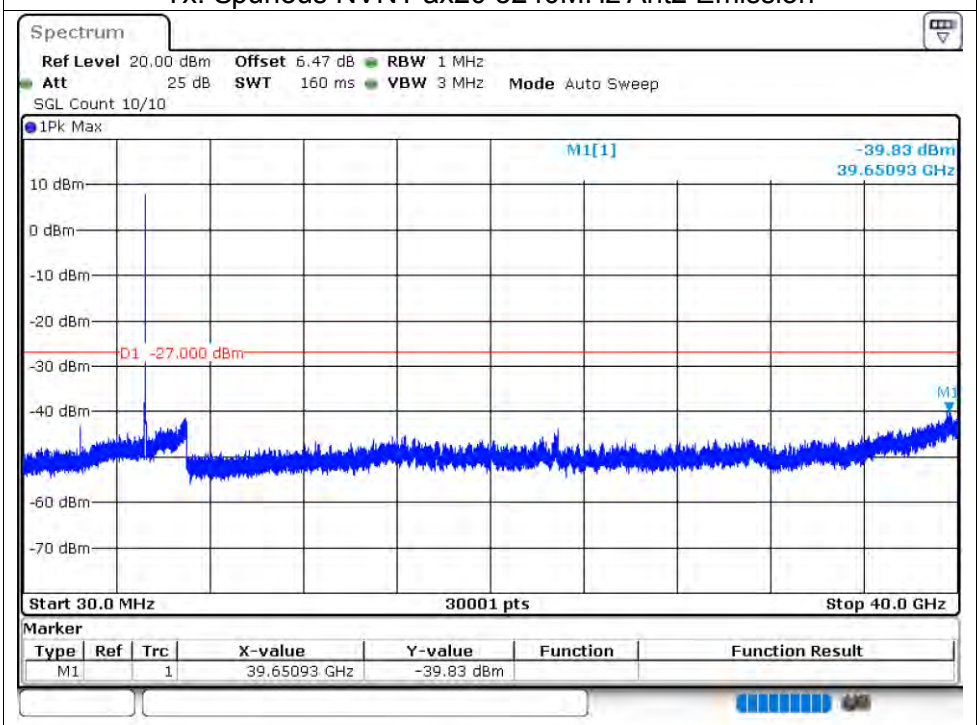


Tx. Spurious NVNT ax20 5200MHz Ant2 Emission



Tx. Spurious NVNT ax20 5240MHz Ant2 Emission



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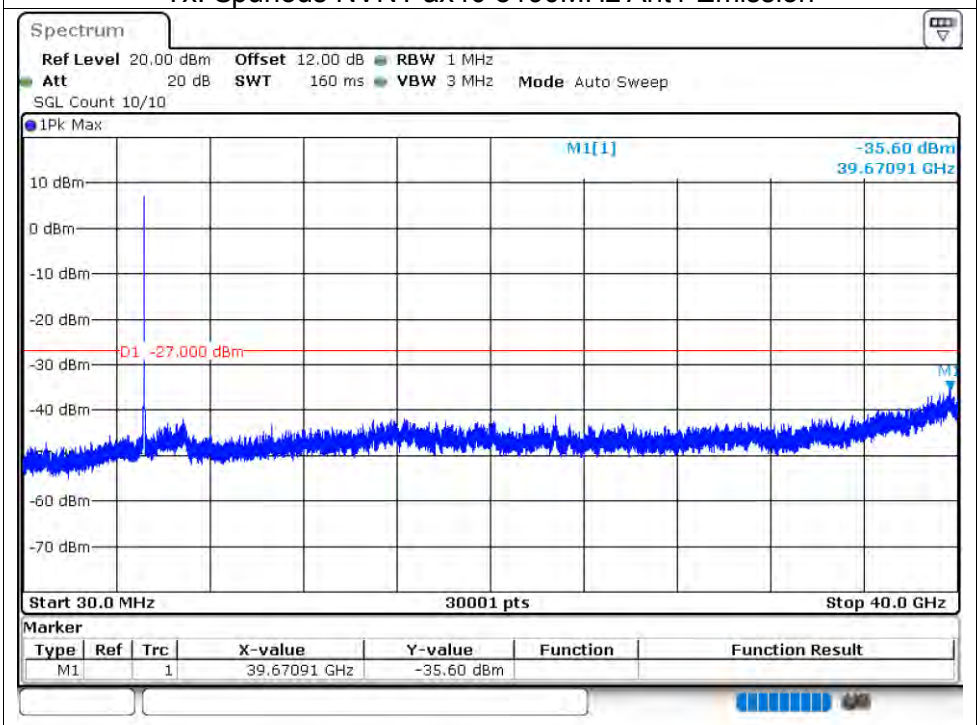
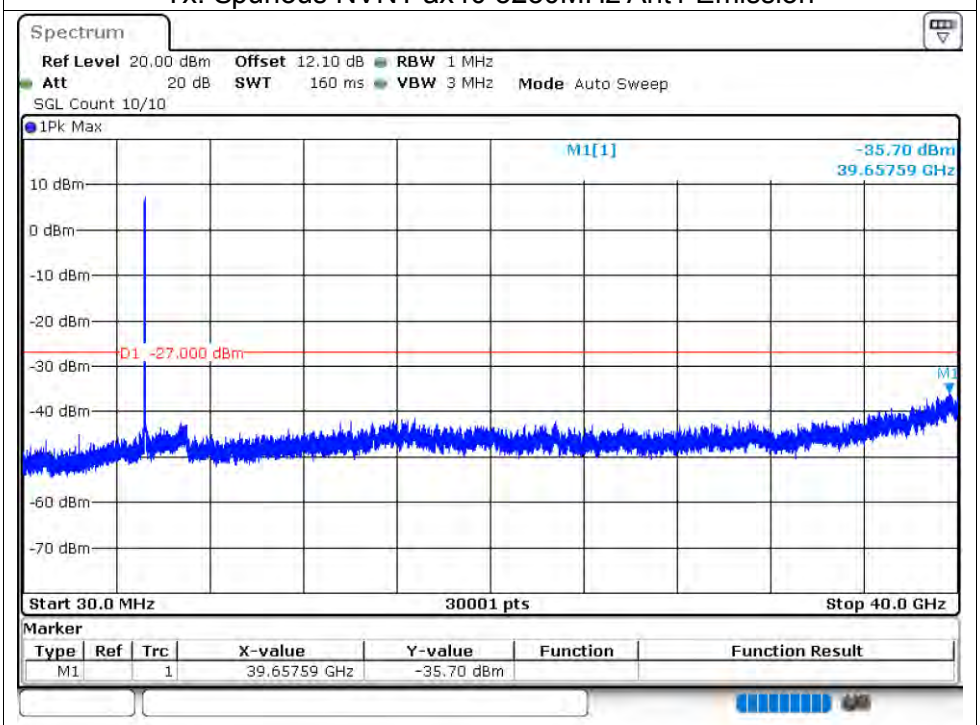
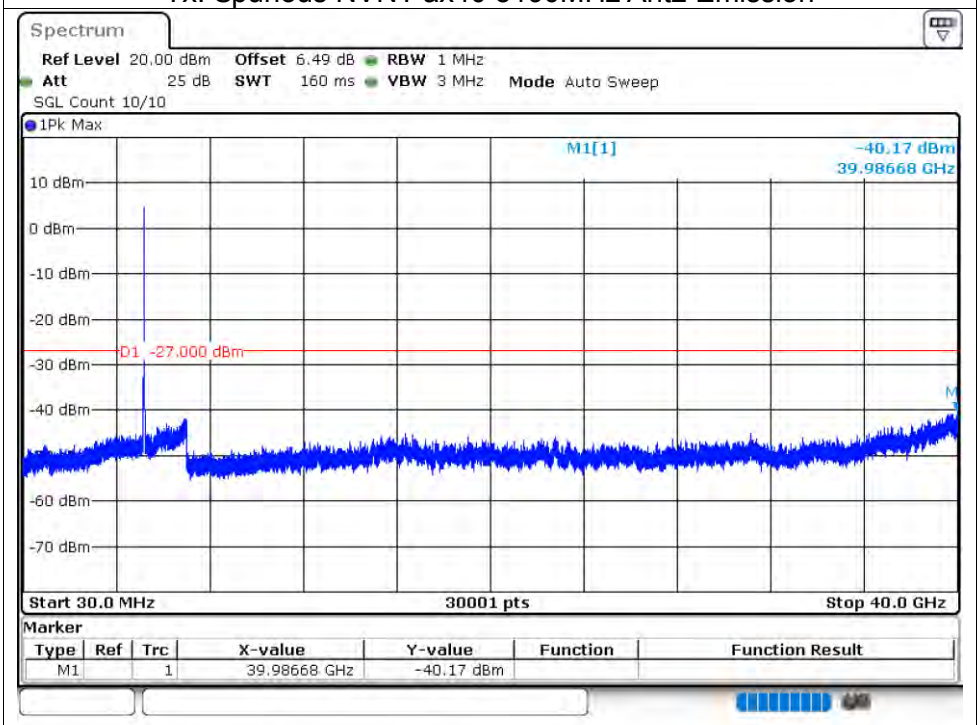


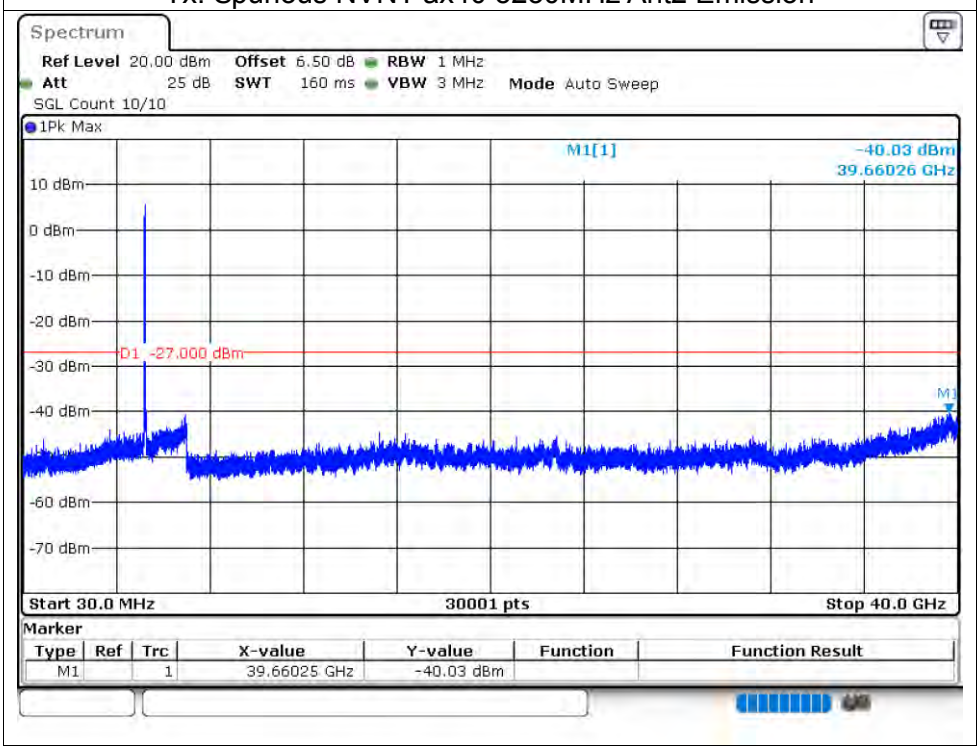
Tx. Spurious NVNT ax40 5230MHz Ant1 Emission



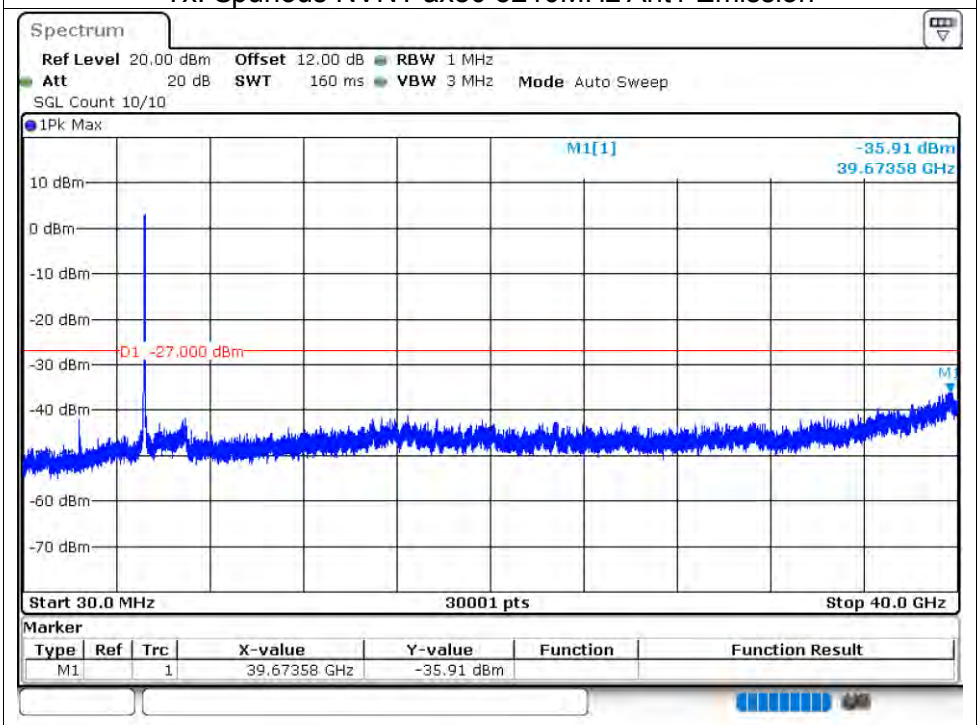
Tx. Spurious NVNT ax40 5190MHz Ant2 Emission



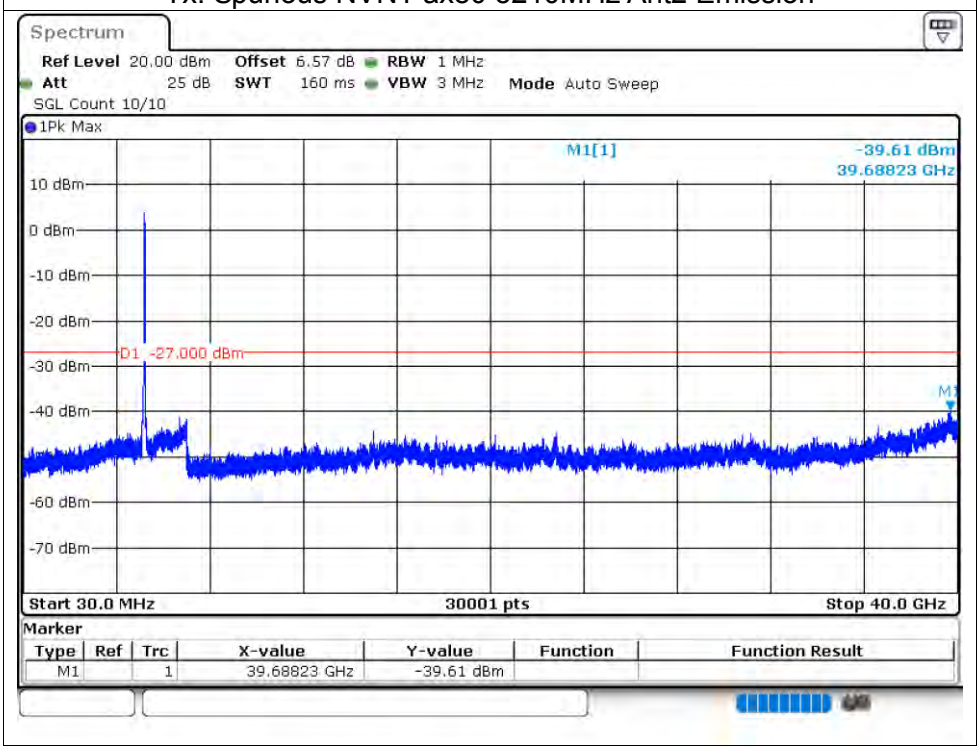
Tx. Spurious NVNT ax40 5230MHz Ant2 Emission



Tx. Spurious NVNT ax80 5210MHz Ant1 Emission



Tx. Spurious NVNT ax80 5210MHz Ant2 Emission



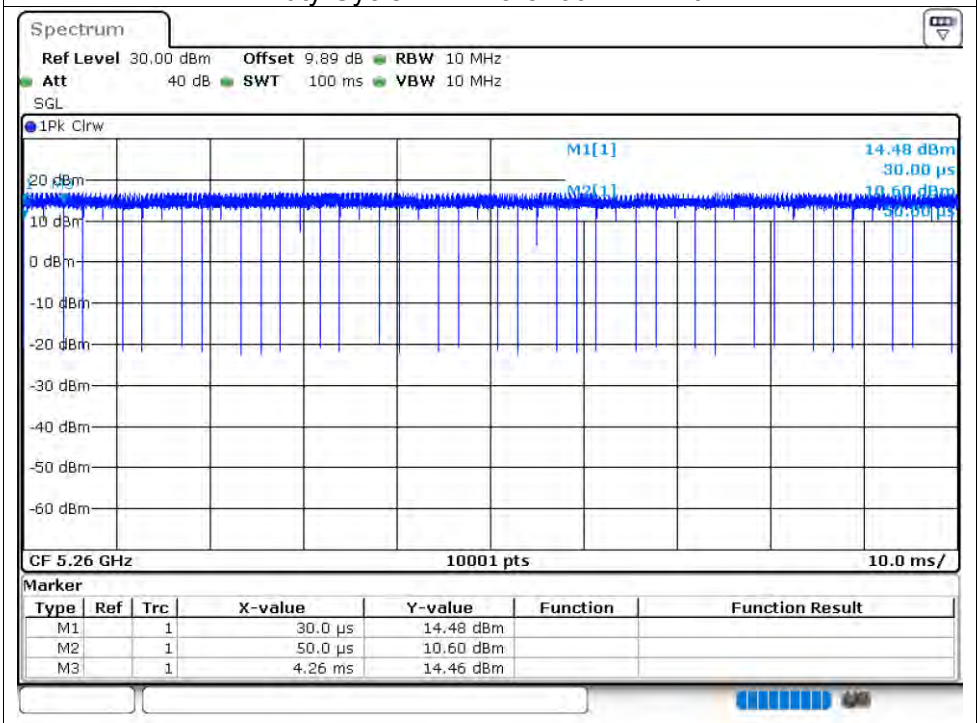
7.2 5.3G

7.2.1 DUTY CYCLE

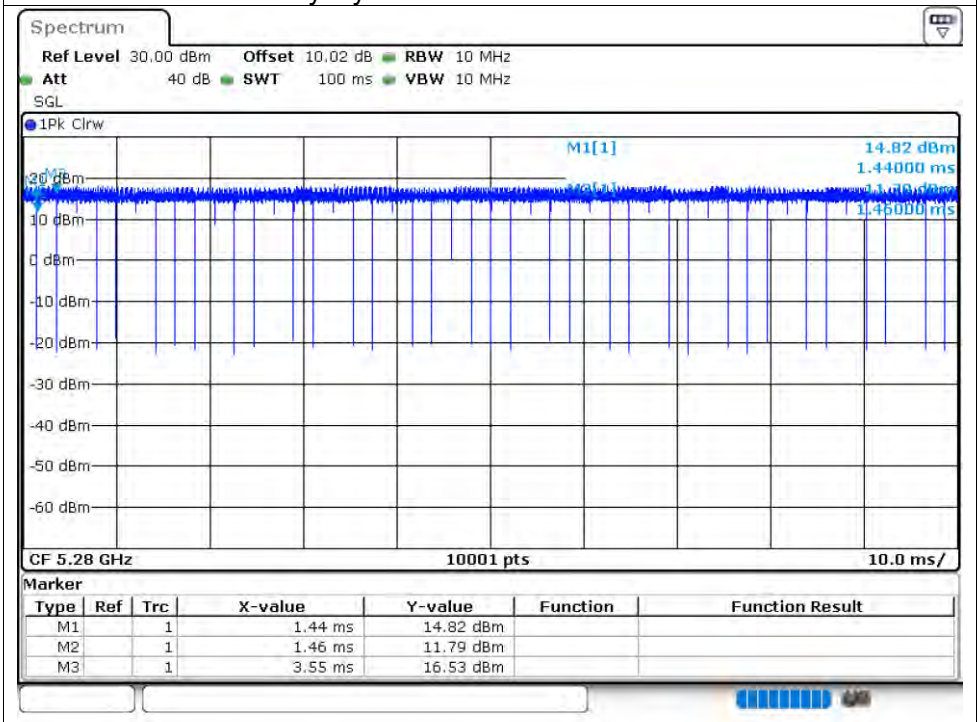
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	99.67	0.01	0.24
NVNT	a	5280	Ant1	99.67	0.01	0.48
NVNT	a	5320	Ant1	99.67	0.01	0.48
NVNT	a	5260	Ant2	99.68	0.01	0.24
NVNT	a	5280	Ant2	99.67	0.01	0.48
NVNT	a	5320	Ant2	99.68	0.01	0.24
NVNT	n20	5260	Ant1	99.91	0	0.09
NVNT	n20	5280	Ant1	99.91	0	0.09
NVNT	n20	5320	Ant1	99.88	0.01	0.18
NVNT	n20	5260	Ant2	99.84	0.01	0.09
NVNT	n20	5280	Ant2	99.89	0	0.18
NVNT	n20	5320	Ant2	99.83	0.01	0.18
NVNT	n40	5270	Ant1	99.88	0.01	0.18
NVNT	n40	5310	Ant1	99.88	0.01	0.18
NVNT	n40	5270	Ant2	99.88	0.01	0.09
NVNT	n40	5310	Ant2	99.89	0	0.18
NVNT	ac20	5260	Ant1	99.91	0	0.09
NVNT	ac20	5280	Ant1	99.83	0.01	0.09
NVNT	ac20	5320	Ant1	99.91	0	0.09
NVNT	ac20	5260	Ant2	99.9	0	0.09
NVNT	ac20	5280	Ant2	99.89	0	0.18
NVNT	ac20	5320	Ant2	99.84	0.01	0.09
NVNT	ac40	5270	Ant1	99.89	0	0.09
NVNT	ac40	5310	Ant1	99.89	0	0.09
NVNT	ac40	5270	Ant2	99.87	0.01	0.18
NVNT	ac40	5310	Ant2	99.89	0	0.09
NVNT	ac80	5290	Ant1	99.9	0	0.06
NVNT	ac80	5290	Ant2	99.89	0	0.09
NVNT	ax20	5260	Ant1	99.91	0	0.05
NVNT	ax20	5280	Ant1	99.87	0.01	0.18
NVNT	ax20	5320	Ant1	99.92	0	0.18
NVNT	ax20	5260	Ant2	99.85	0.01	0.18
NVNT	ax20	5280	Ant2	99.88	0.01	0.18
NVNT	ax20	5320	Ant2	99.89	0	0.18
NVNT	ax40	5270	Ant1	99.9	0	0.18
NVNT	ax40	5310	Ant1	99.89	0	0.18
NVNT	ax40	5270	Ant2	99.87	0.01	0.18
NVNT	ax40	5310	Ant2	99.88	0.01	0.05
NVNT	ax80	5290	Ant1	99.89	0	0.18
NVNT	ax80	5290	Ant2	99.92	0	0.18

Test Graphs

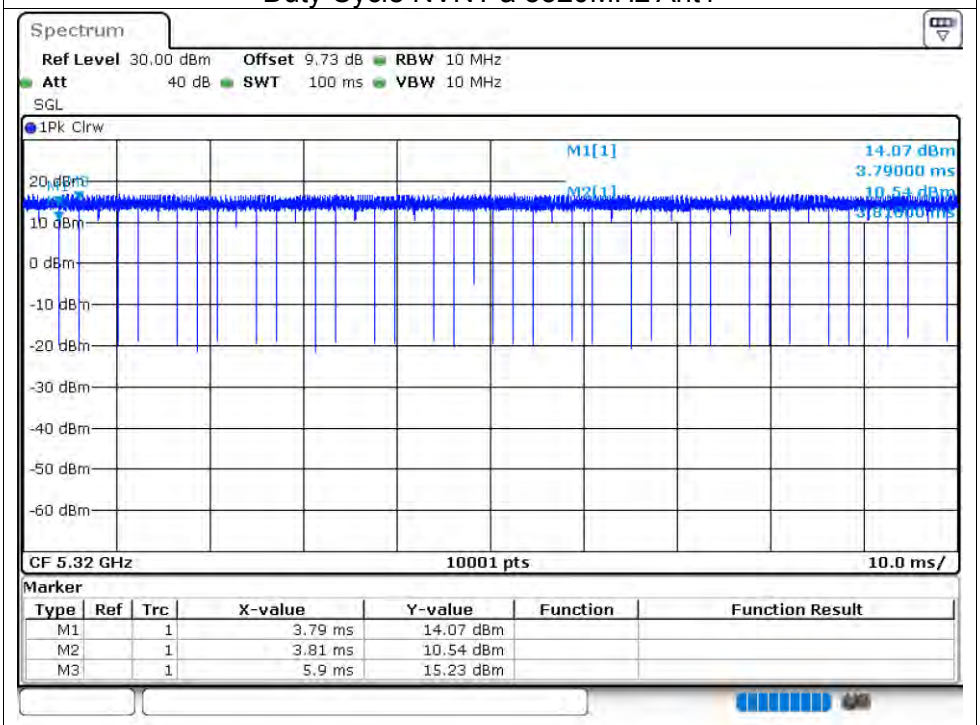
Duty Cycle NVNT a 5260MHz Ant1



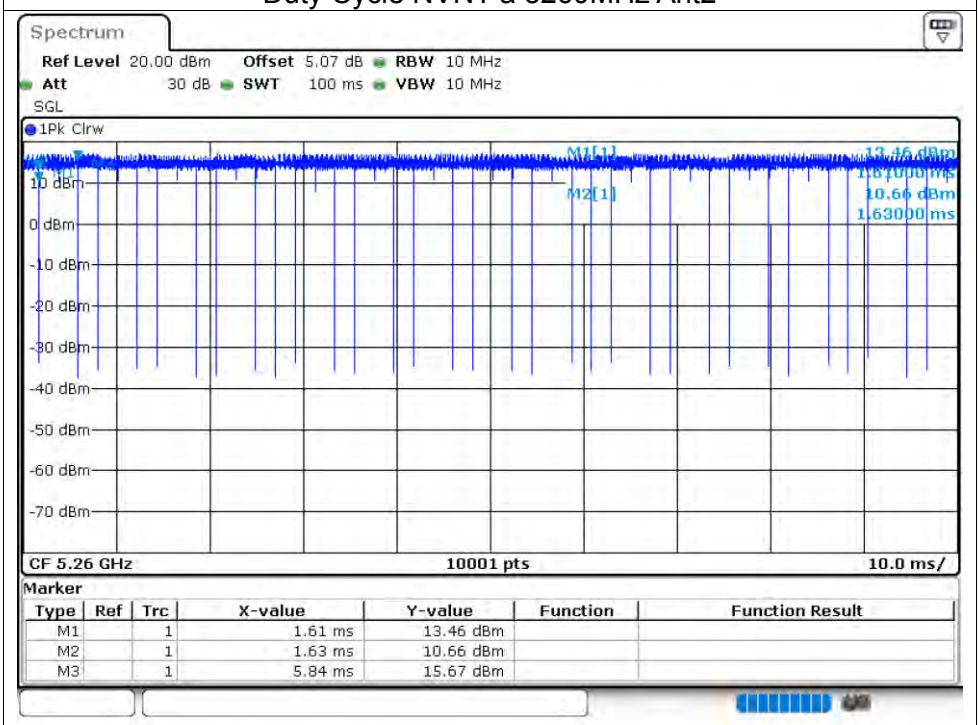
Duty Cycle NVNT a 5280MHz Ant1



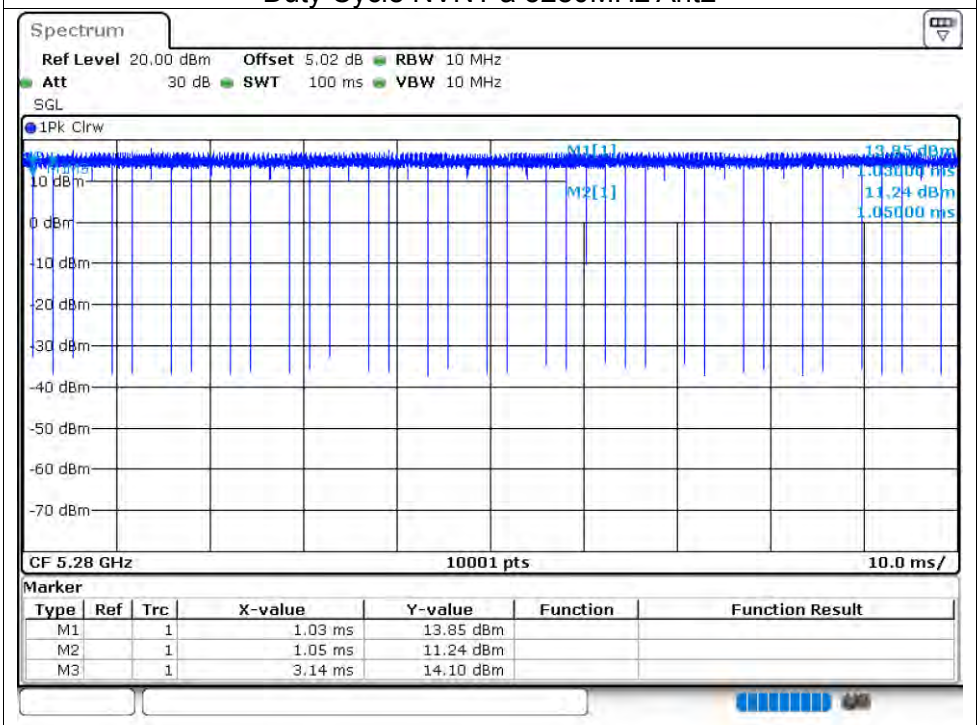
Duty Cycle NVNT a 5320MHz Ant1



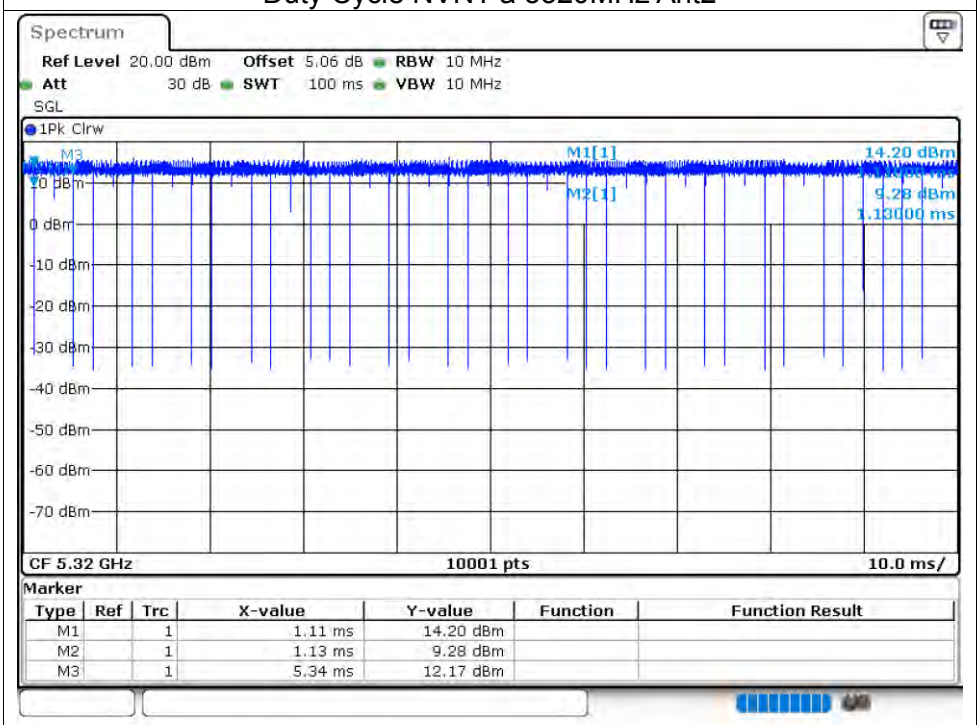
Duty Cycle NVNT a 5260MHz Ant2



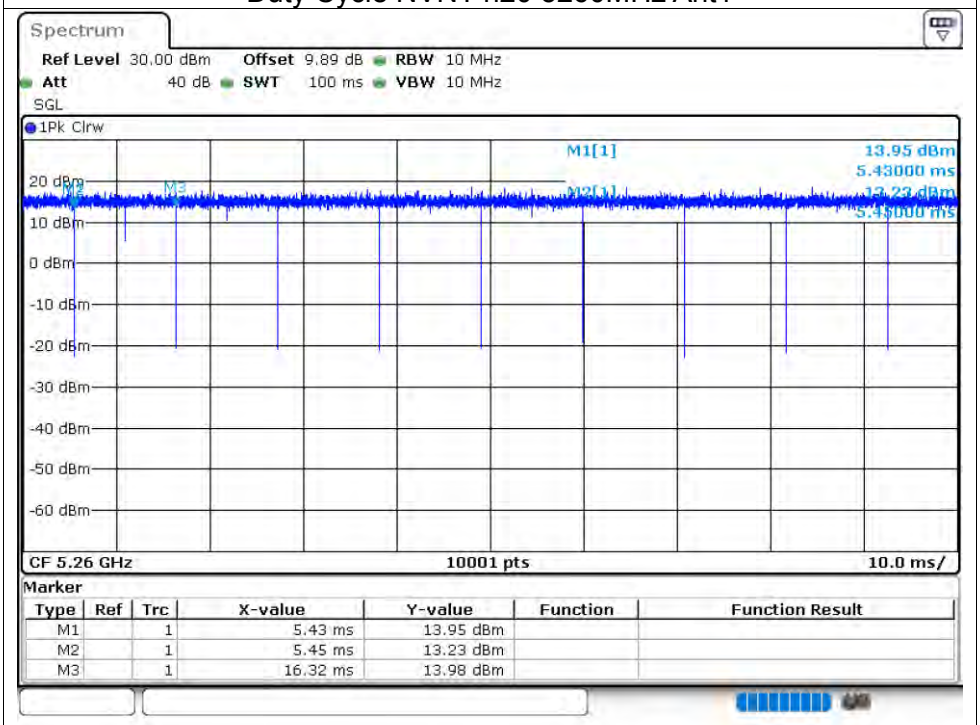
Duty Cycle NVNT a 5280MHz Ant2



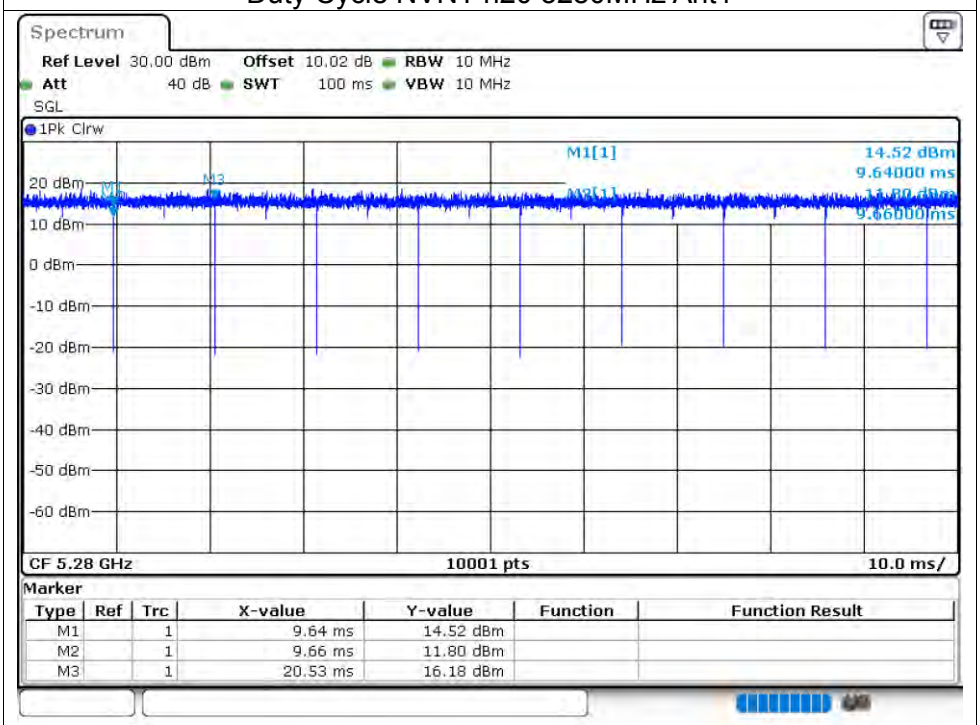
Duty Cycle NVNT a 5320MHz Ant2



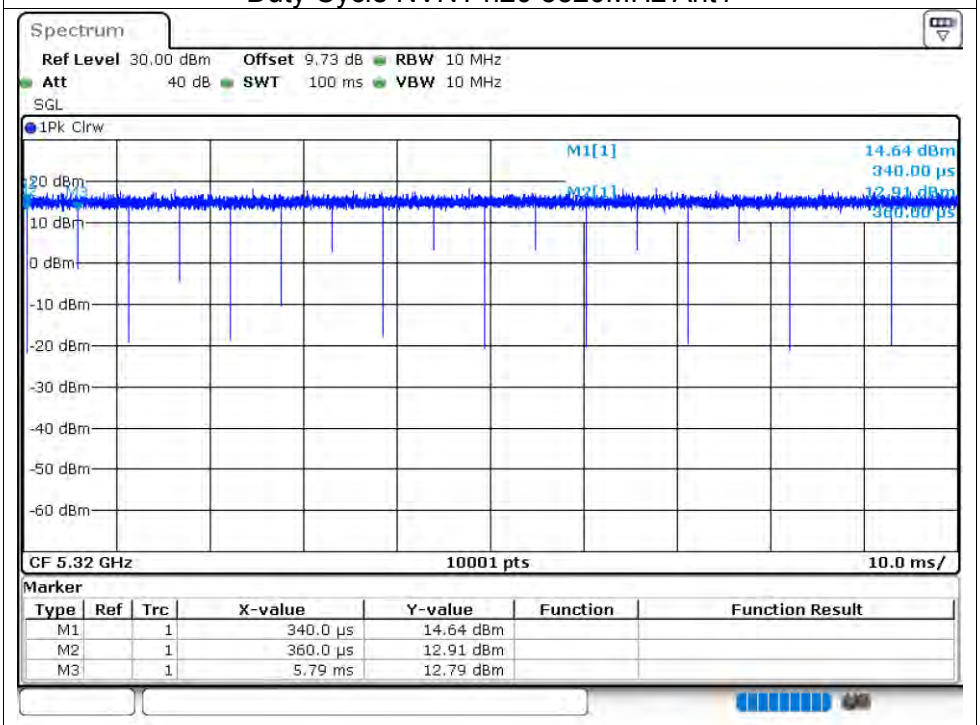
Duty Cycle NVNT n20 5260MHz Ant1



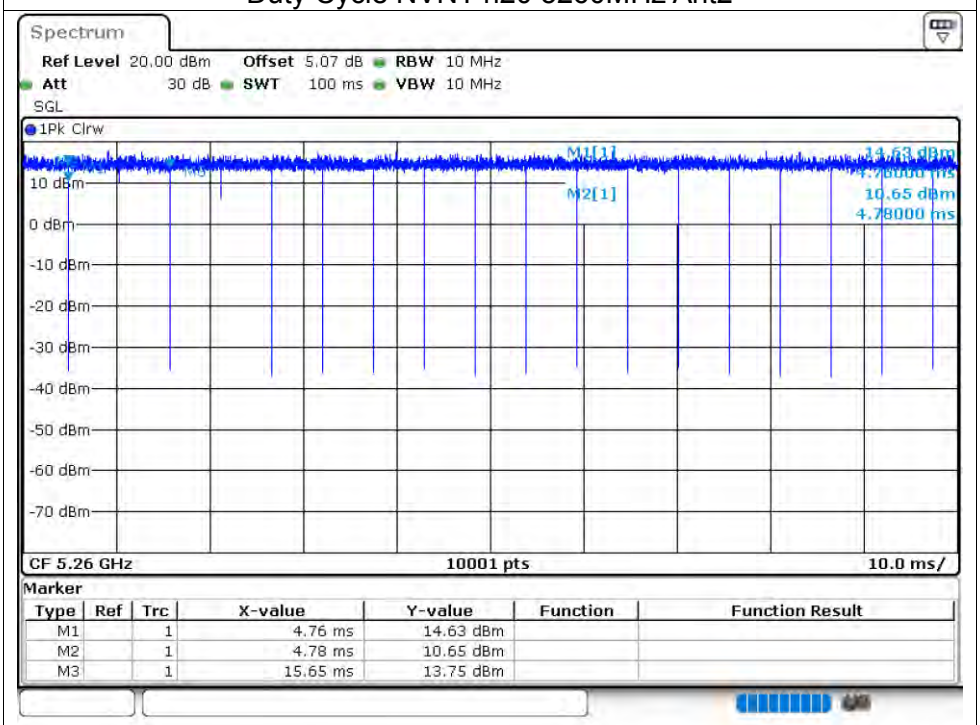
Duty Cycle NVNT n20 5280MHz Ant1



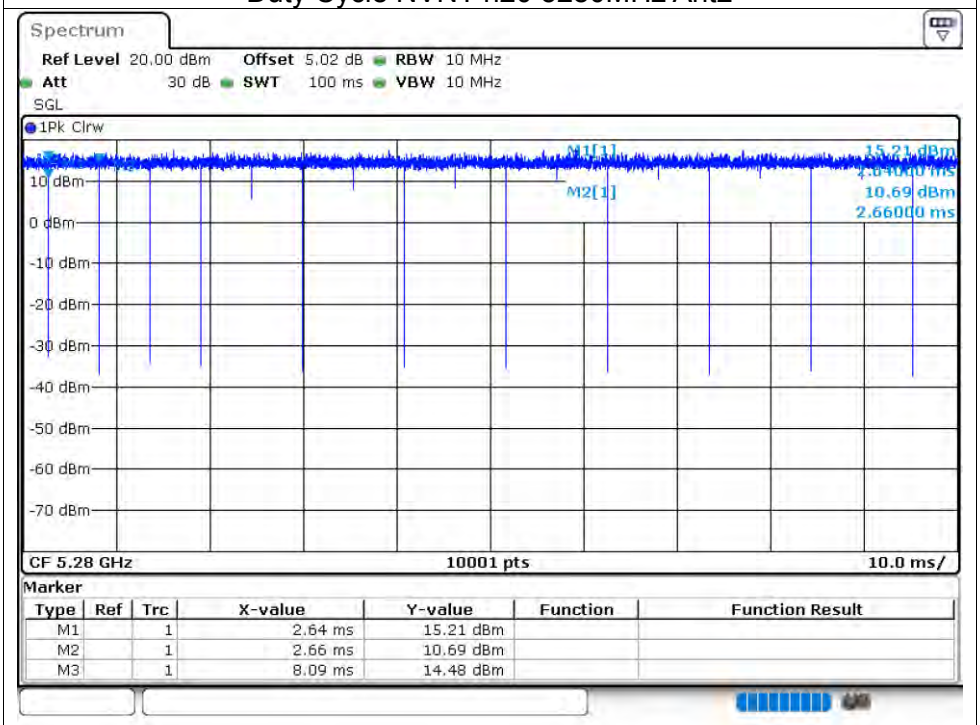
Duty Cycle NVNT n20 5320MHz Ant1



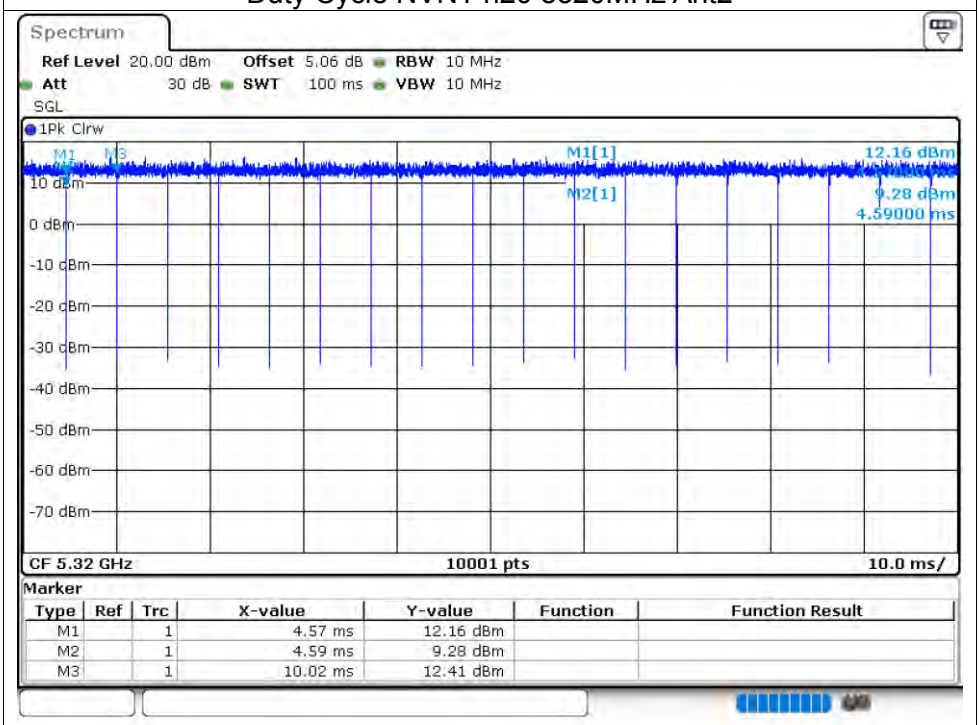
Duty Cycle NVNT n20 5260MHz Ant2



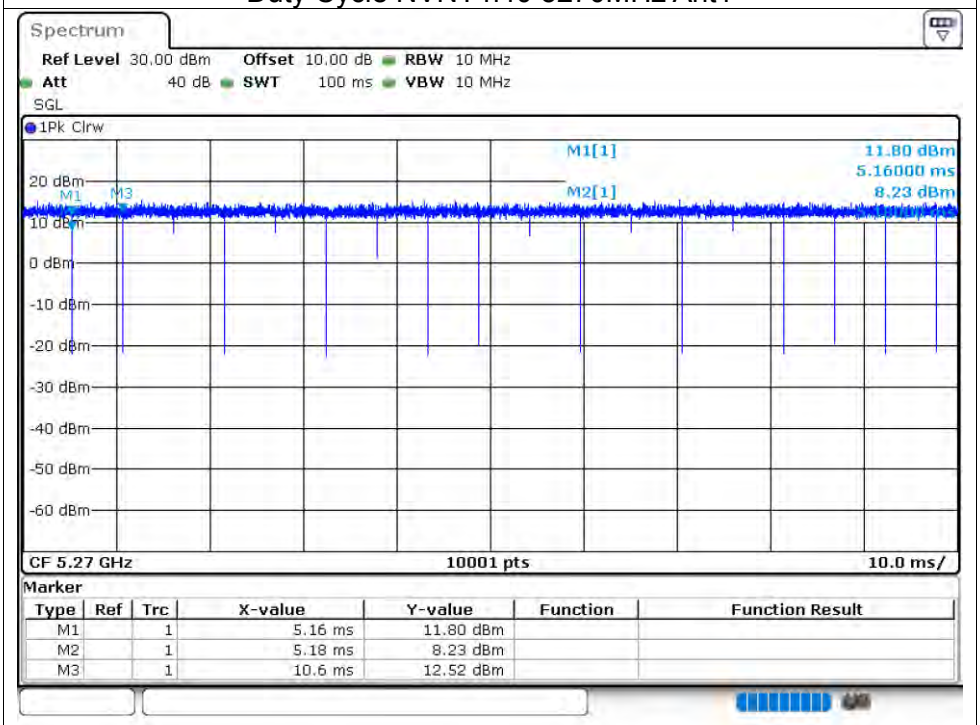
Duty Cycle NVNT n20 5280MHz Ant2



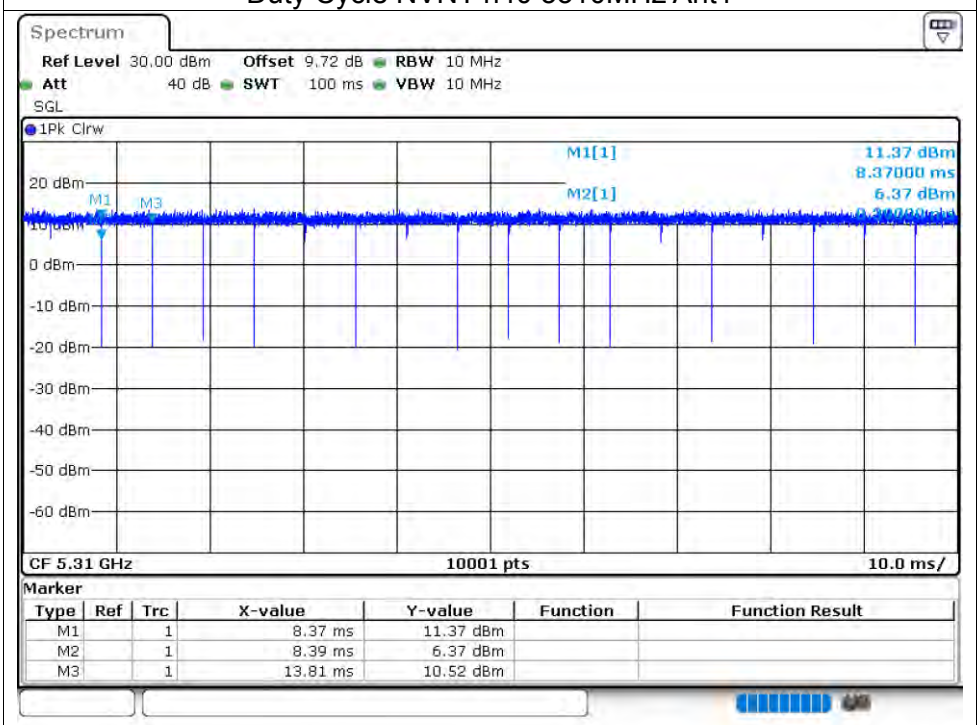
Duty Cycle NVNT n20 5320MHz Ant2



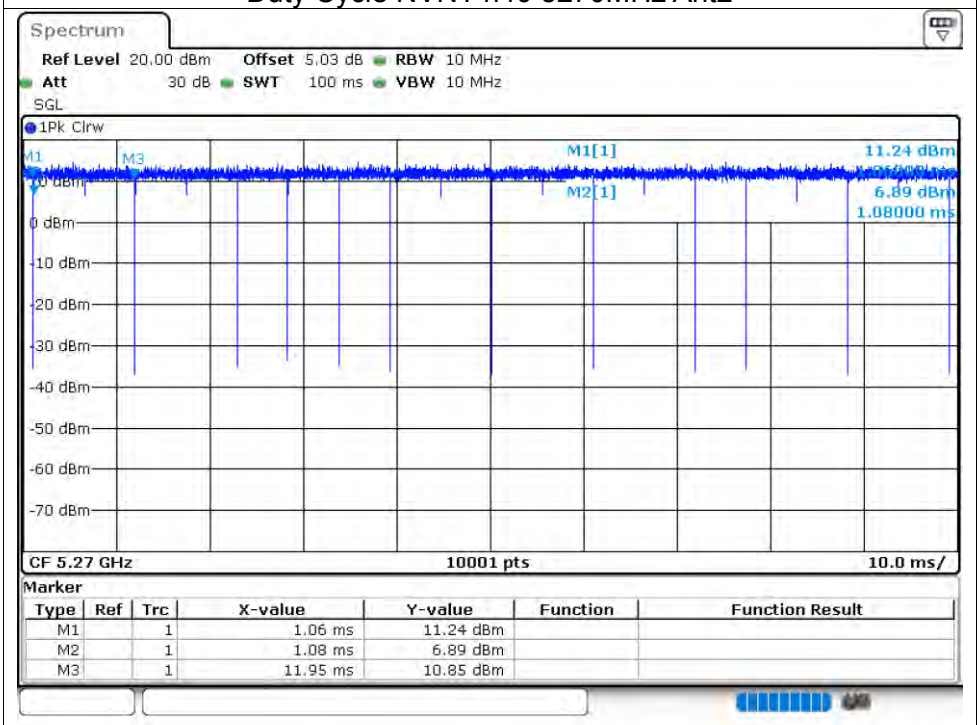
Duty Cycle NVNT n40 5270MHz Ant1



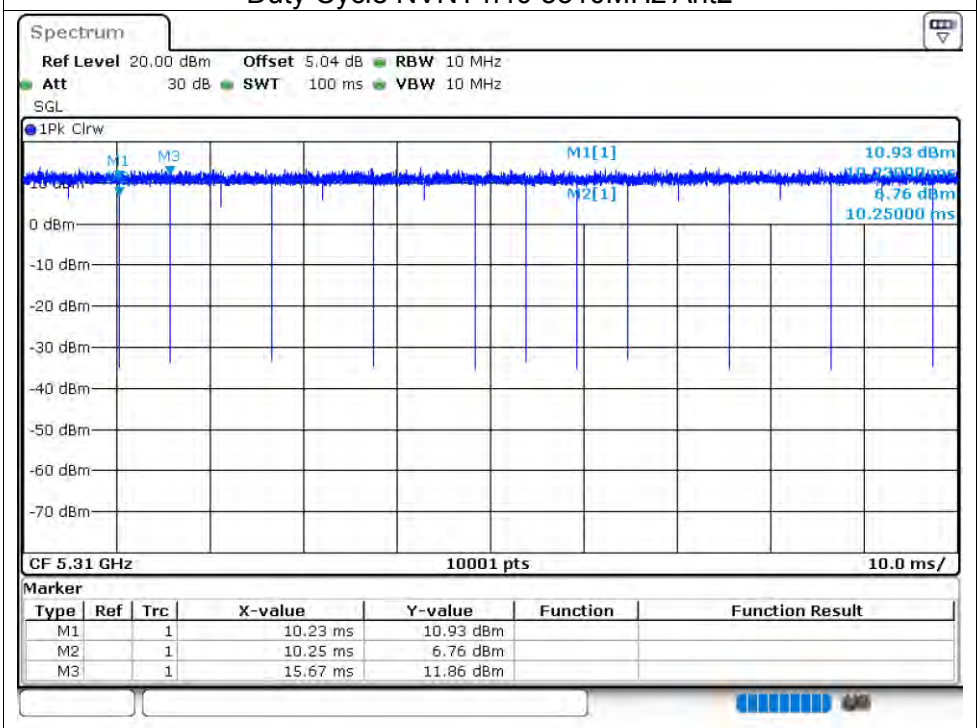
Duty Cycle NVNT n40 5310MHz Ant1



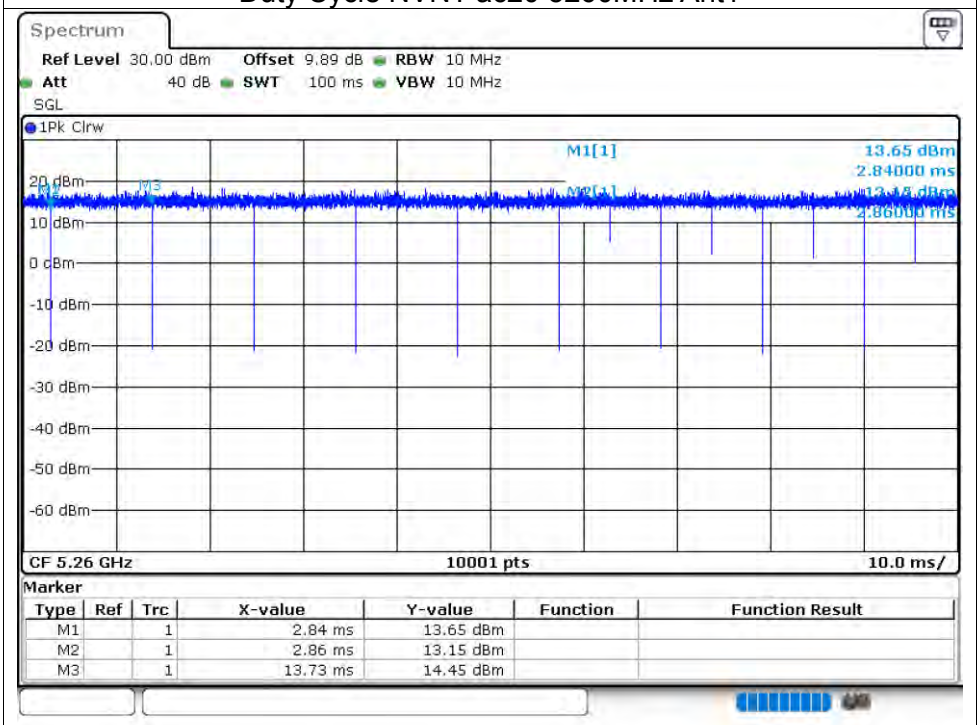
Duty Cycle NVNT n40 5270MHz Ant2



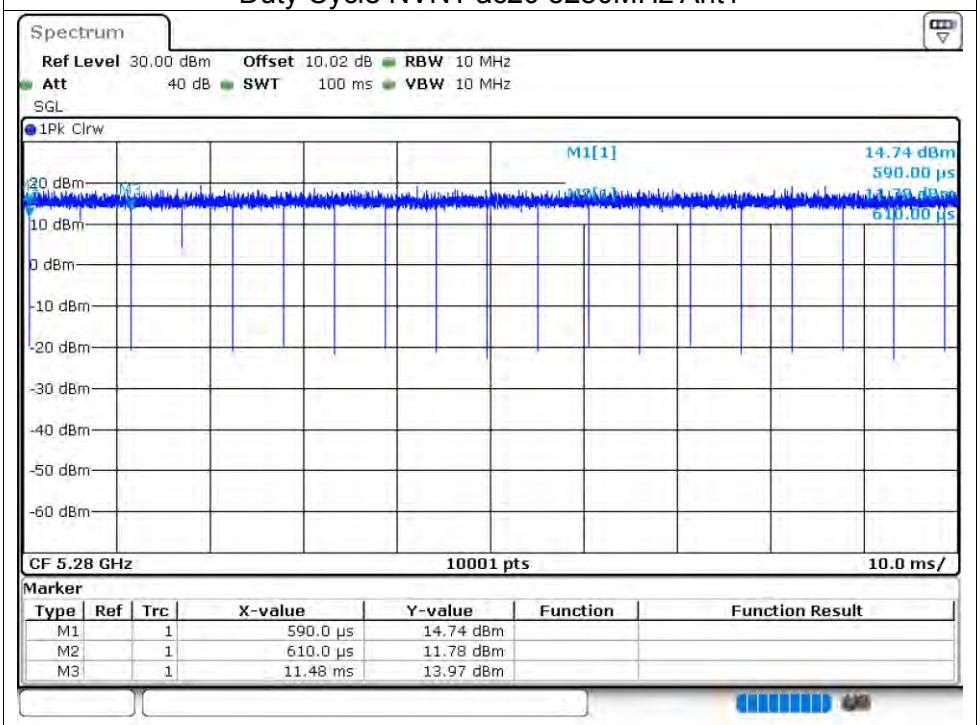
Duty Cycle NVNT n40 5310MHz Ant2



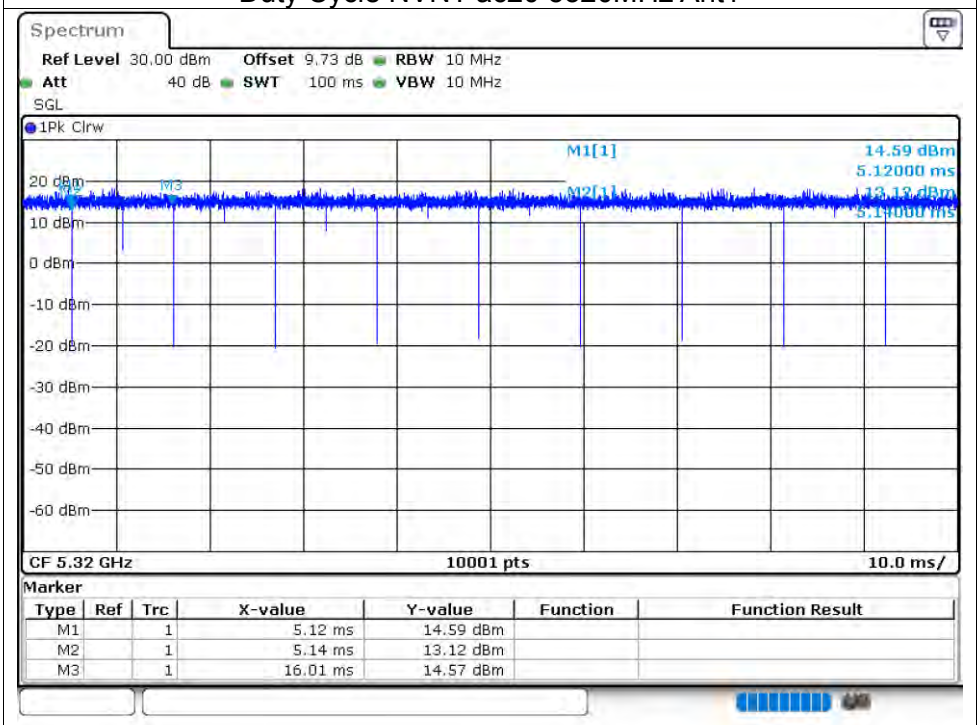
Duty Cycle NVNT ac20 5260MHz Ant1



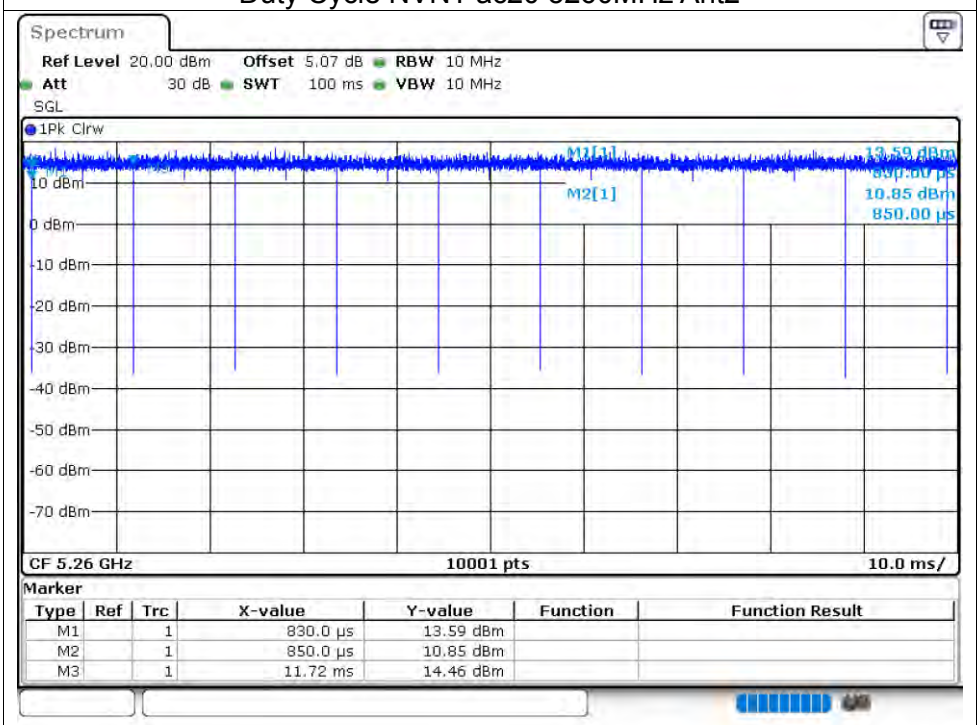
Duty Cycle NVNT ac20 5280MHz Ant1



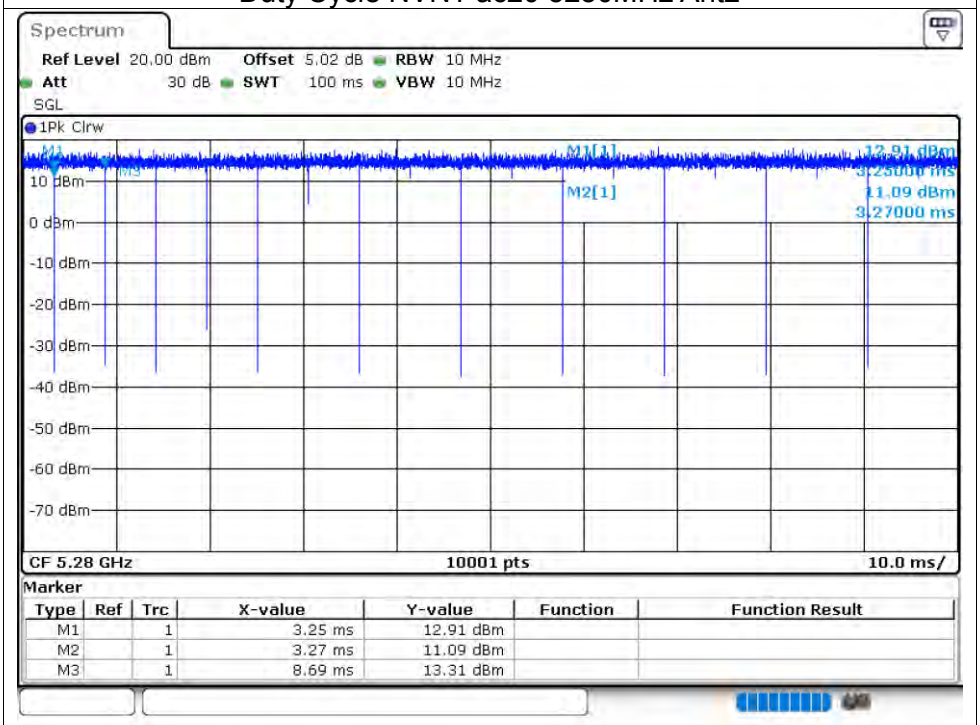
Duty Cycle NVNT ac20 5320MHz Ant1



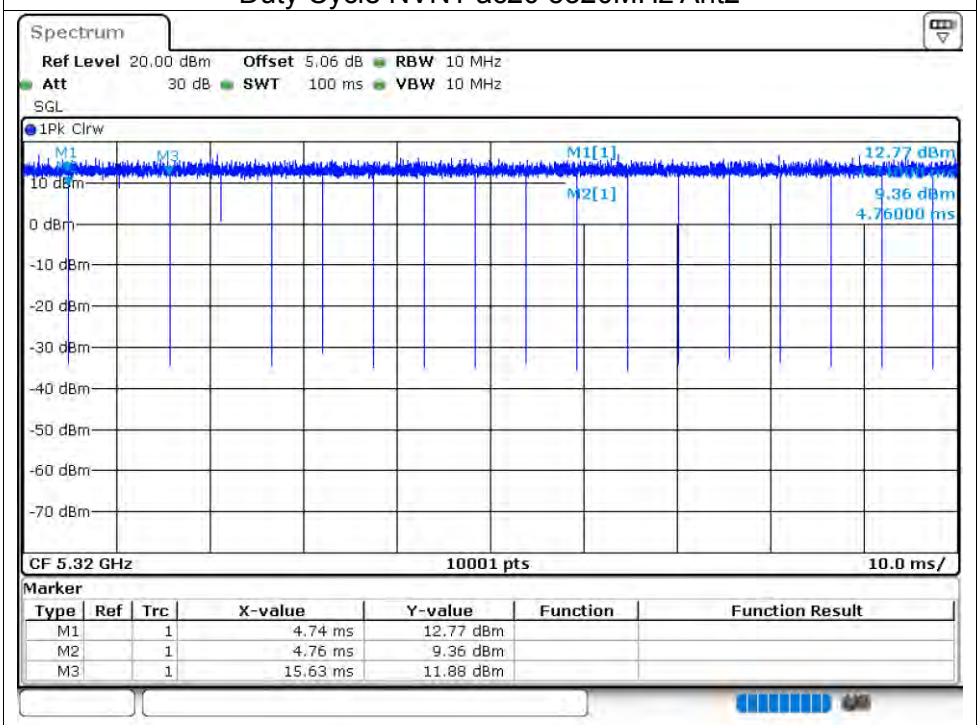
Duty Cycle NVNT ac20 5260MHz Ant2



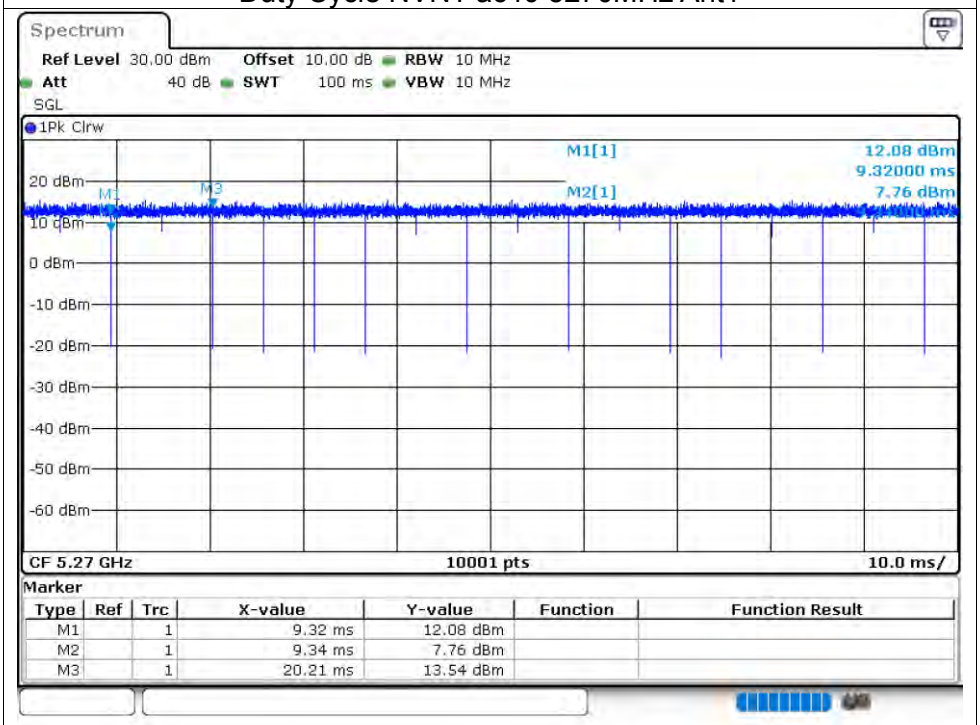
Duty Cycle NVNT ac20 5280MHz Ant2



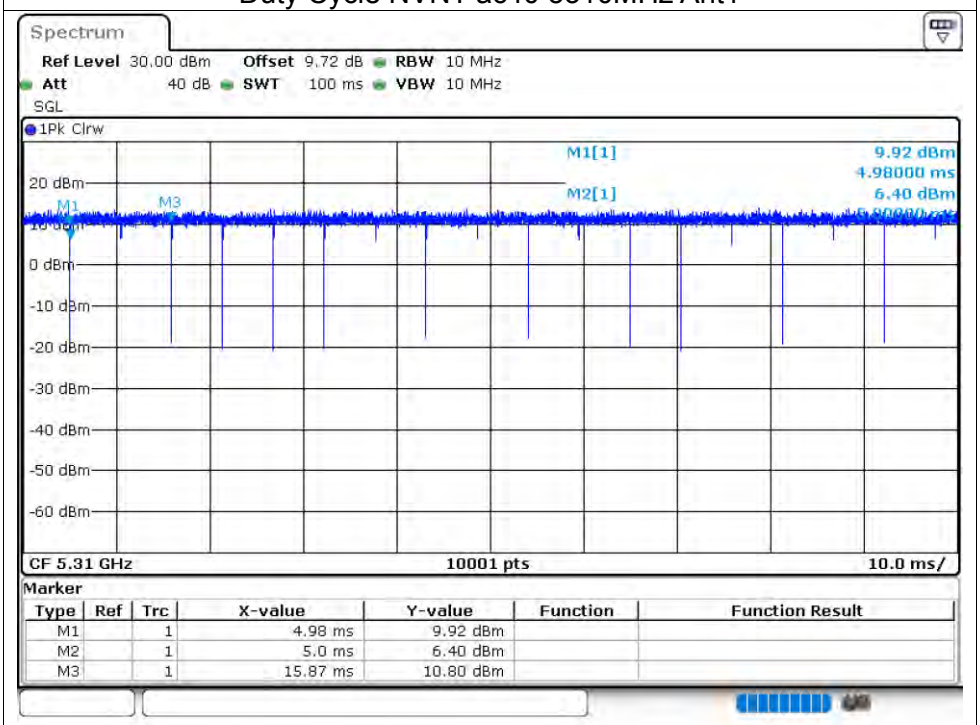
Duty Cycle NVNT ac20 5320MHz Ant2



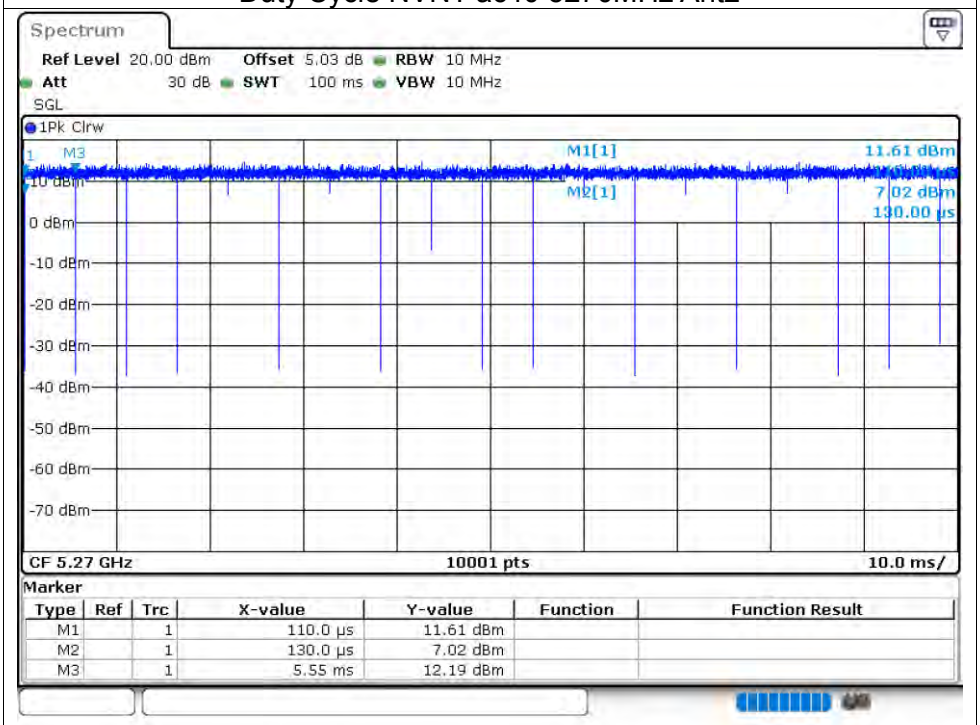
Duty Cycle NVNT ac40 5270MHz Ant1



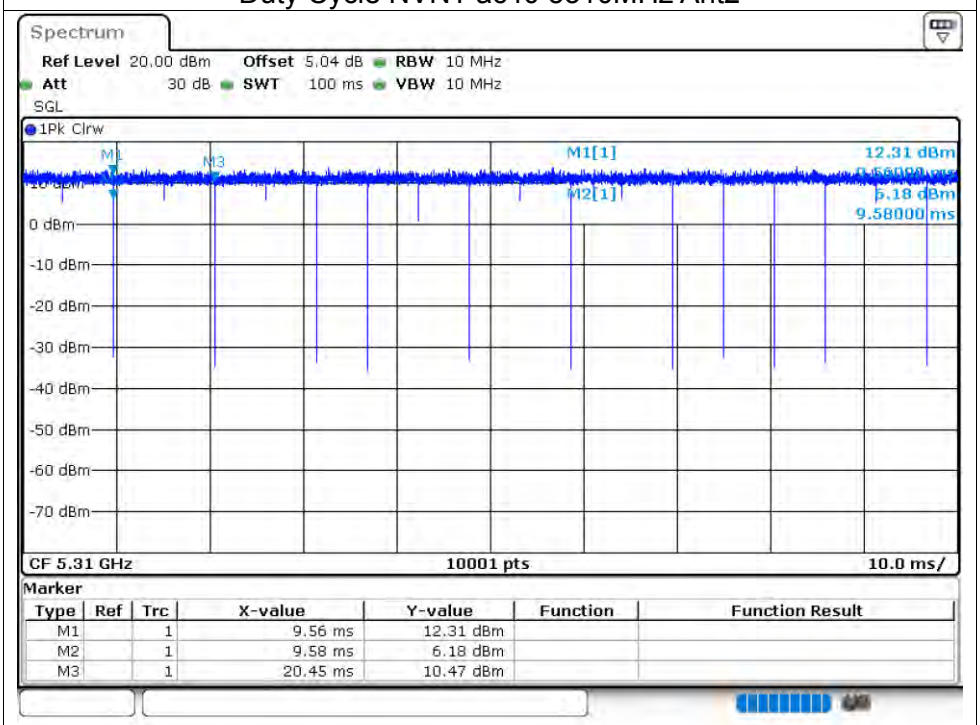
Duty Cycle NVNT ac40 5310MHz Ant1



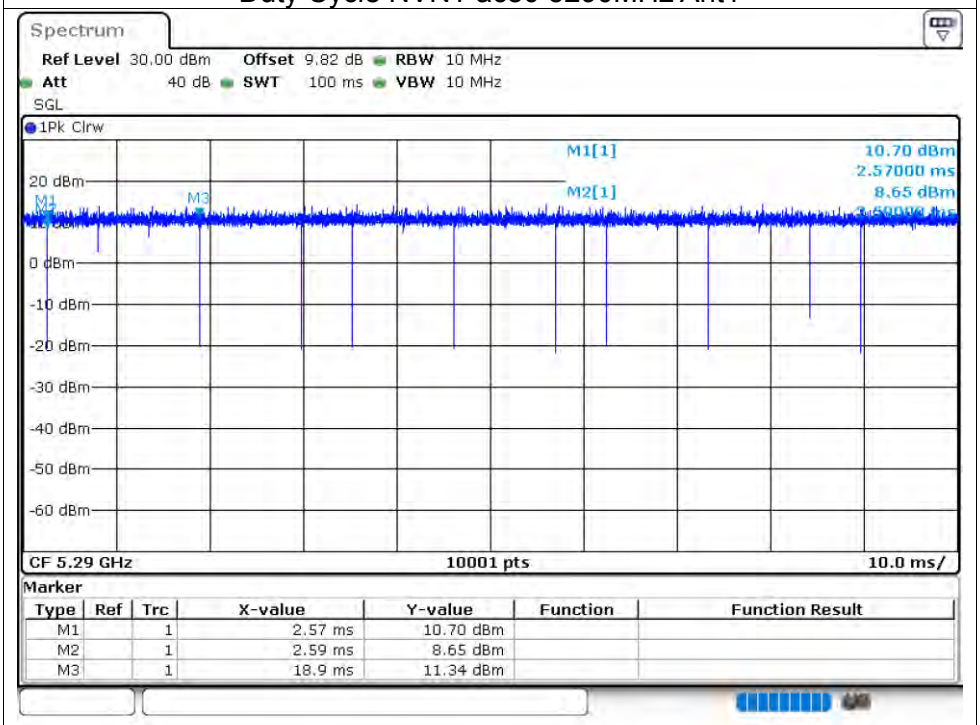
Duty Cycle NVNT ac40 5270MHz Ant2



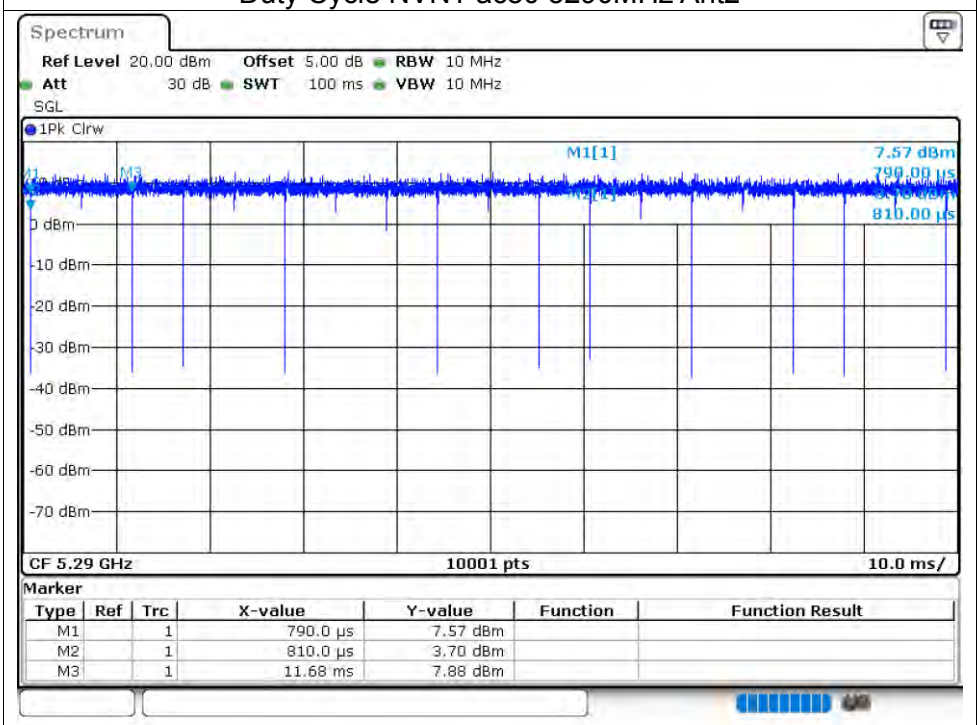
Duty Cycle NVNT ac40 5310MHz Ant2



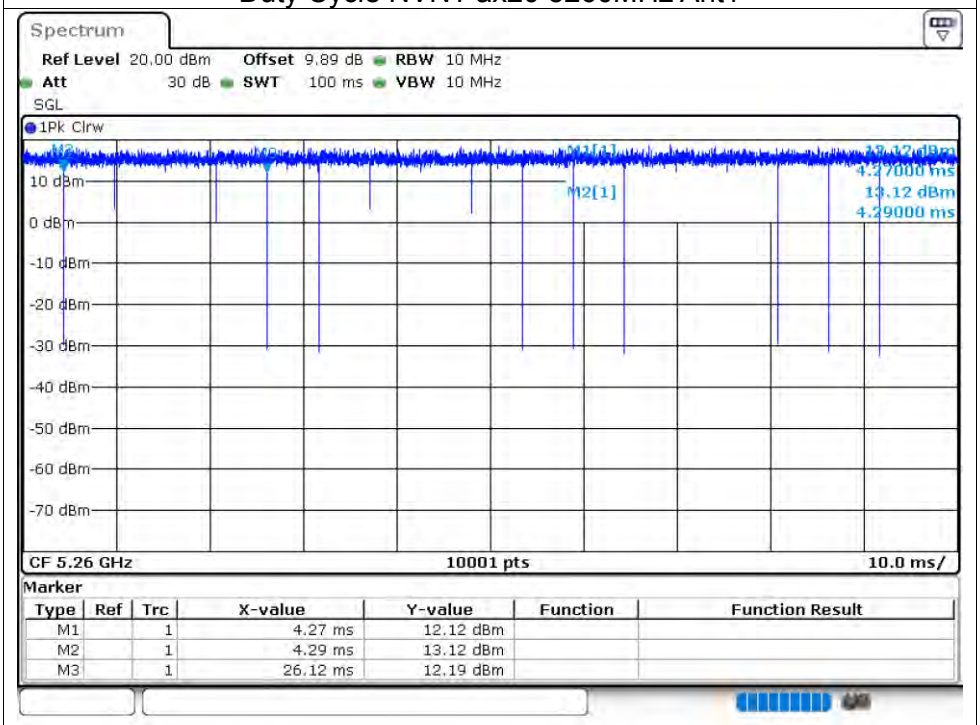
Duty Cycle NVNT ac80 5290MHz Ant1



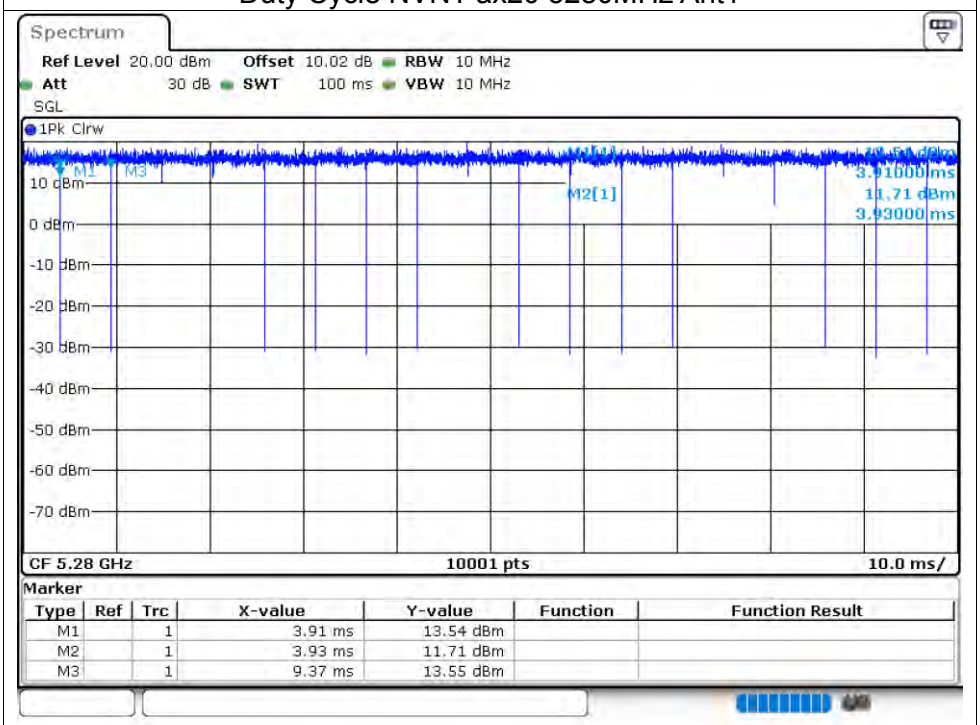
Duty Cycle NVNT ac80 5290MHz Ant2



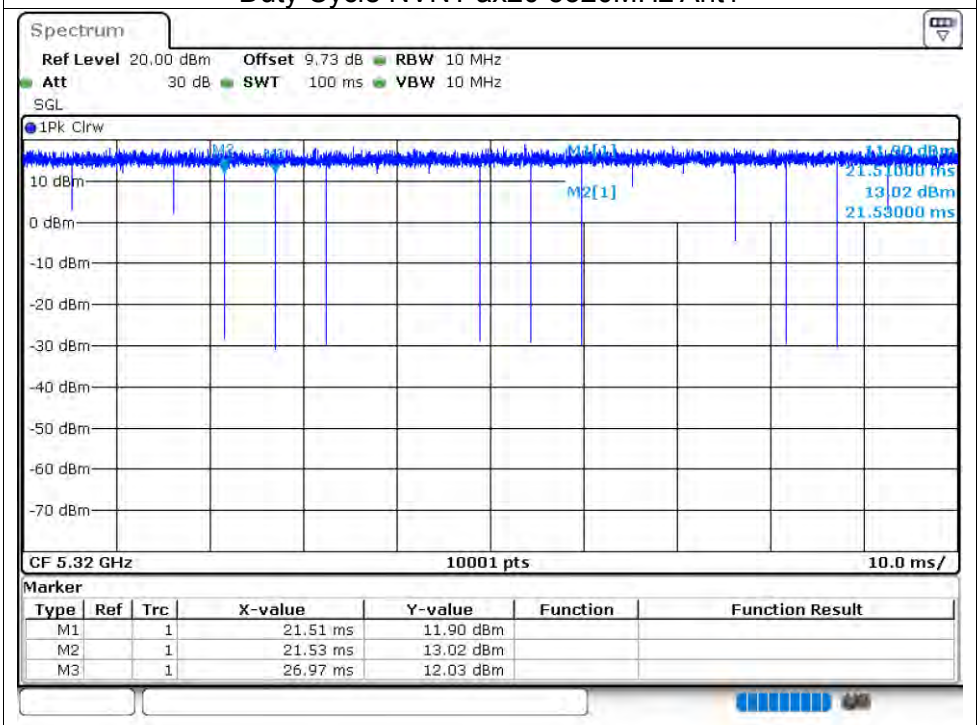
Duty Cycle NVNT ax20 5260MHz Ant1



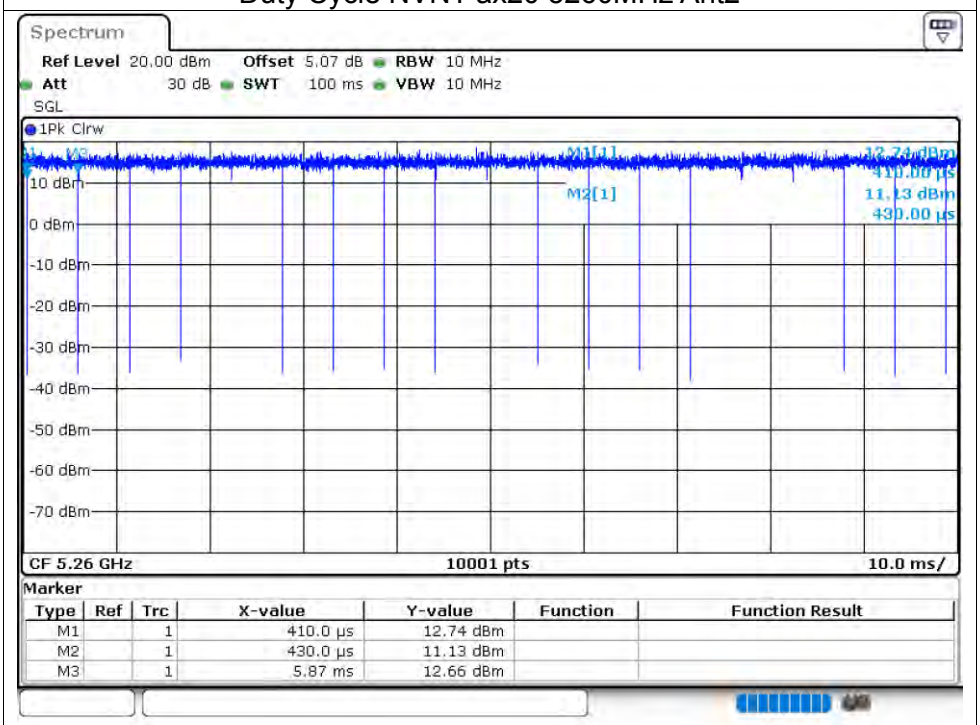
Duty Cycle NVNT ax20 5280MHz Ant1



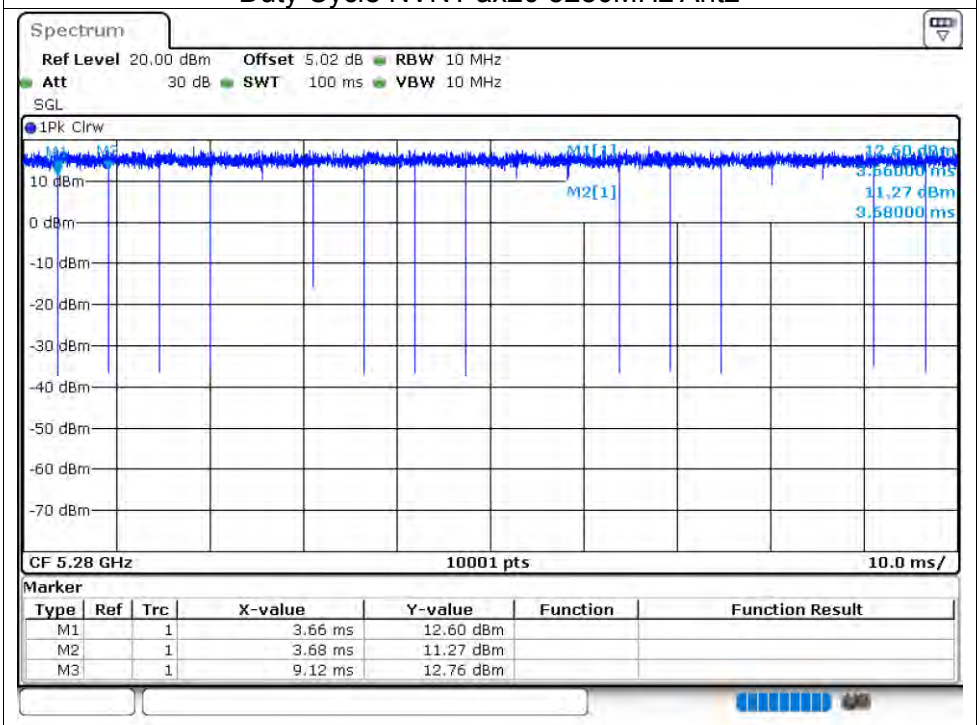
Duty Cycle NVNT ax20 5320MHz Ant1



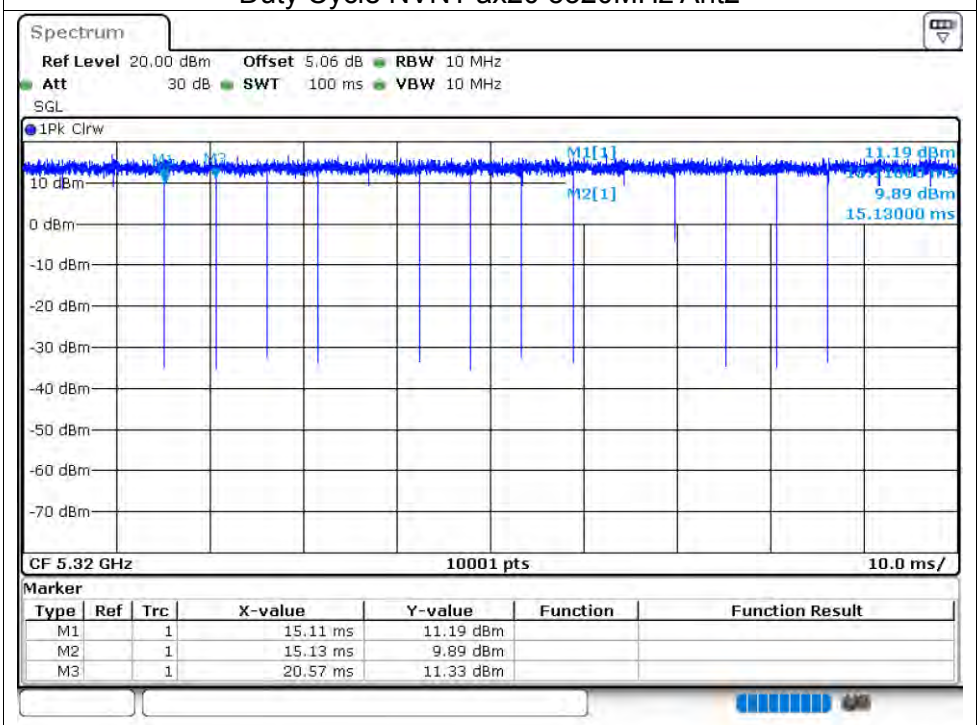
Duty Cycle NVNT ax20 5260MHz Ant2



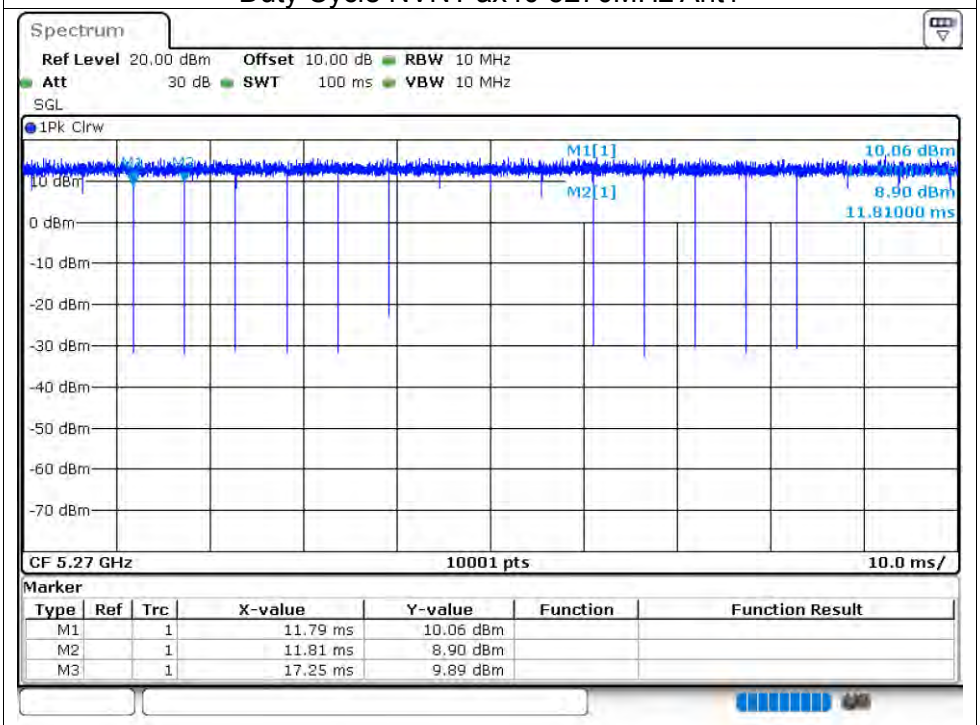
Duty Cycle NVNT ax20 5280MHz Ant2



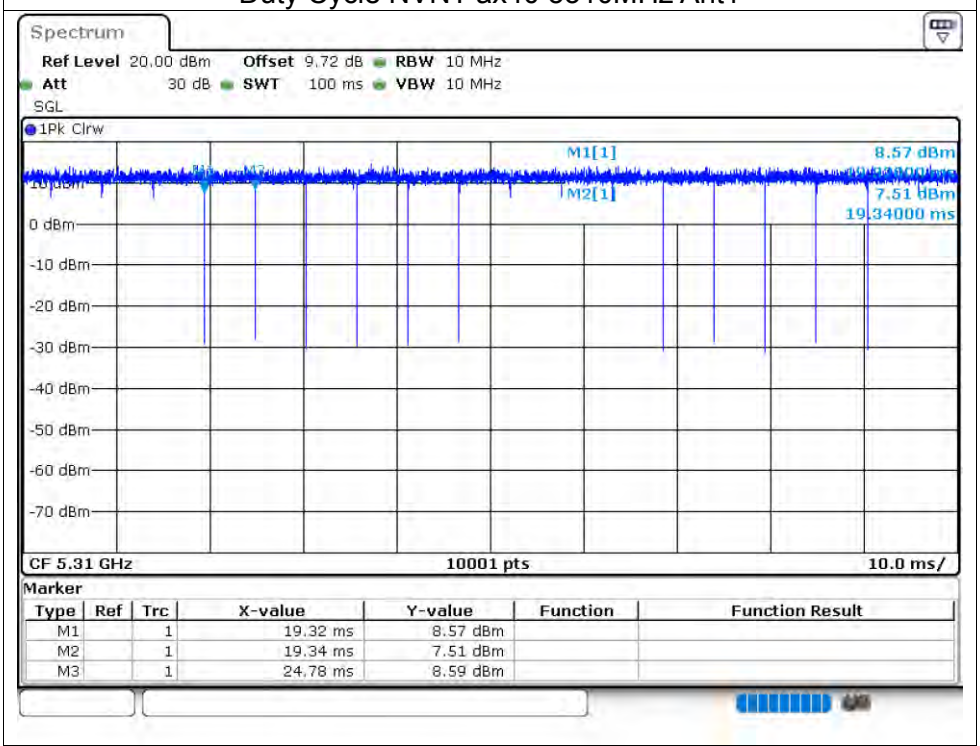
Duty Cycle NVNT ax20 5320MHz Ant2



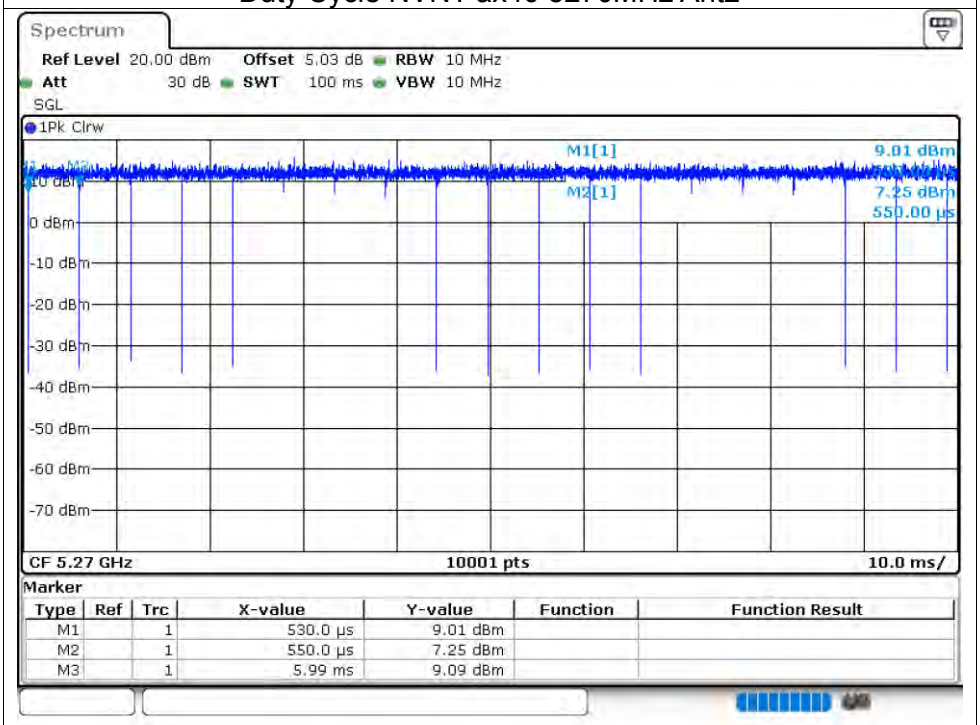
Duty Cycle NVNT ax40 5270MHz Ant1



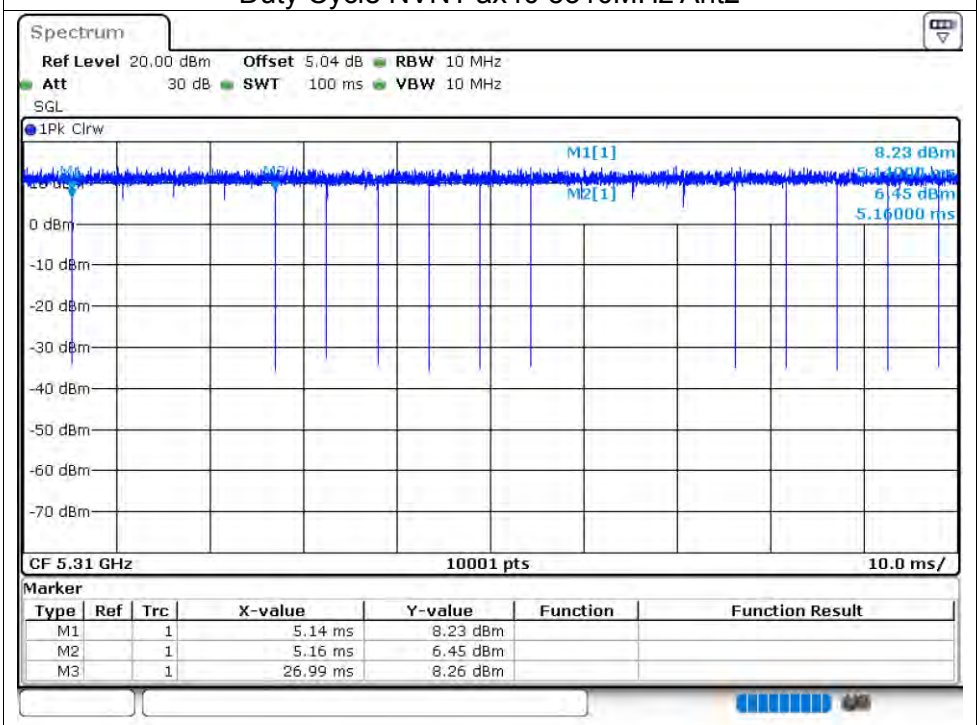
Duty Cycle NVNT ax40 5310MHz Ant1



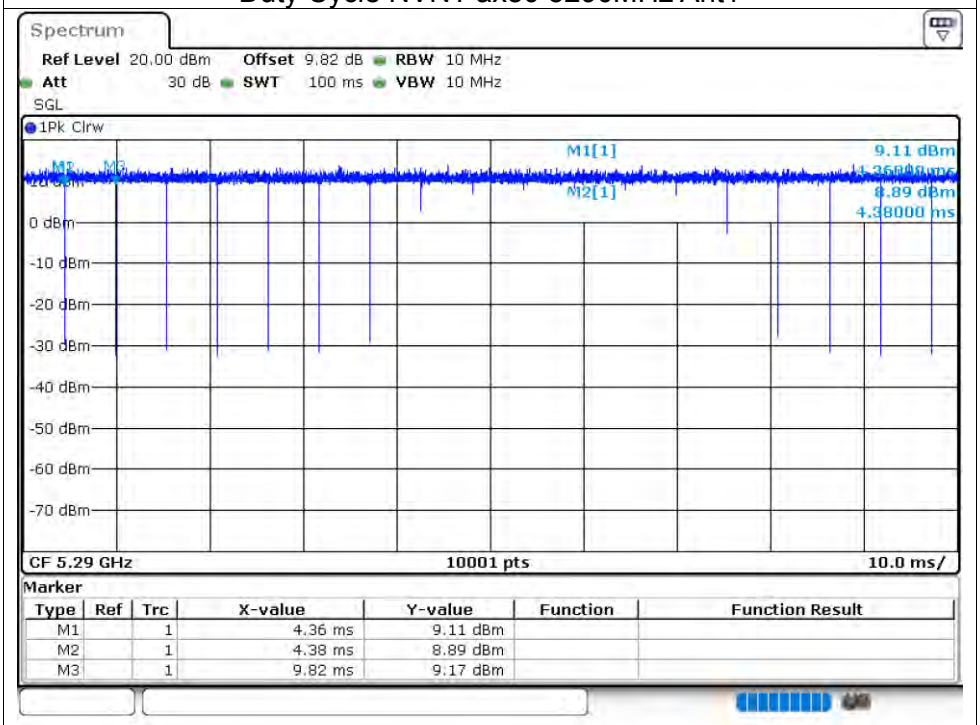
Duty Cycle NVNT ax40 5270MHz Ant2



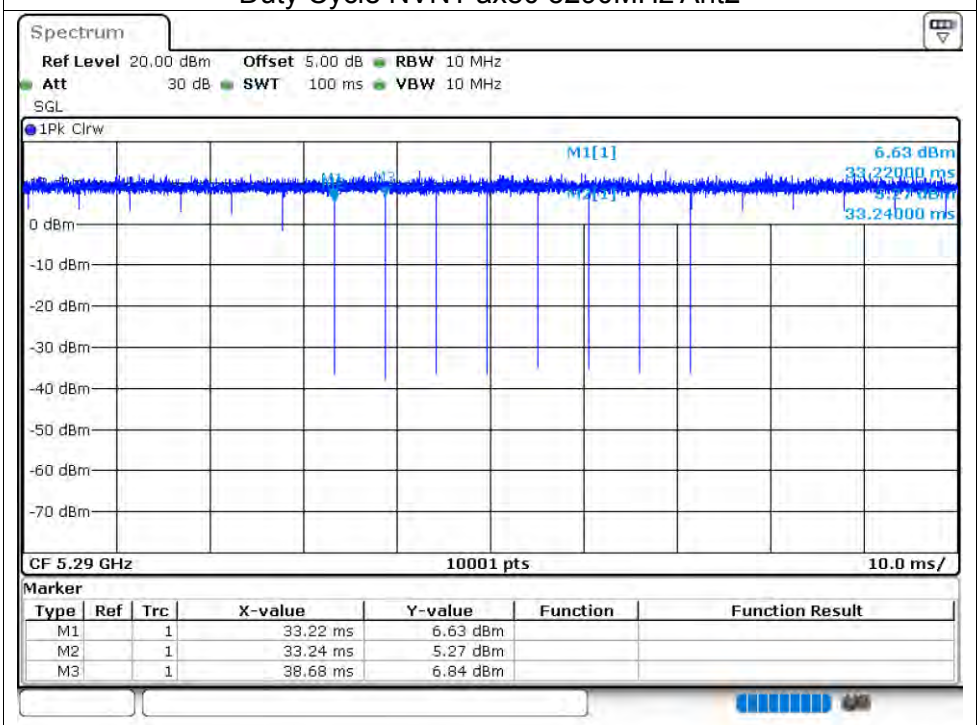
Duty Cycle NVNT ax40 5310MHz Ant2



Duty Cycle NVNT ax80 5290MHz Ant1



Duty Cycle NVNT ax80 5290MHz Ant2



7.2.2 MAXIMUM CONDUCTED OUTPUT POWER

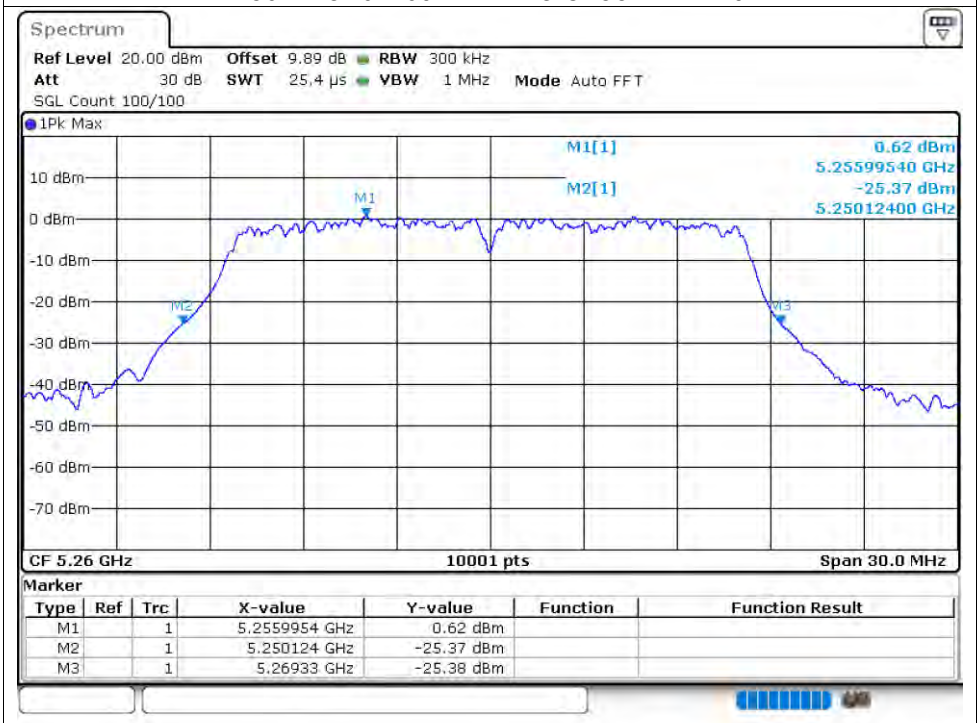
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	9.36	-	24	Pass
NVNT	a	5280	Ant1	9.89	-	24	Pass
NVNT	a	5320	Ant1	9.82	-	24	Pass
NVNT	a	5260	Ant2	9.47	-	24	Pass
NVNT	a	5280	Ant2	9.33	-	24	Pass
NVNT	a	5320	Ant2	9.12	-	24	Pass
NVNT	n20	5260	Ant1	9.41	12.41	24	Pass
NVNT	n20	5260	Ant2	9.38			
NVNT	n20	5280	Ant1	9.74	12.52	24	Pass
NVNT	n20	5280	Ant2	9.27			
NVNT	n20	5320	Ant1	9.93	12.52	24	Pass
NVNT	n20	5320	Ant2	9.05			
NVNT	n40	5270	Ant1	9.77	12.56	24	Pass
NVNT	n40	5270	Ant2	9.33			
NVNT	n40	5310	Ant1	9.94	12.77	24	Pass
NVNT	n40	5310	Ant2	9.57			
NVNT	ac20	5260	Ant1	9.33	12.36	24	Pass
NVNT	ac20	5260	Ant2	9.36			
NVNT	ac20	5280	Ant1	9.76	12.51	24	Pass
NVNT	ac20	5280	Ant2	9.23			
NVNT	ac20	5320	Ant1	9.92	12.48	24	Pass
NVNT	ac20	5320	Ant2	8.97			
NVNT	ac40	5270	Ant1	9.84	12.63	24	Pass
NVNT	ac40	5270	Ant2	9.39			
NVNT	ac40	5310	Ant1	9.91	12.83	24	Pass
NVNT	ac40	5310	Ant2	9.72			
NVNT	ac80	5290	Ant1	9.53	12.54	24	Pass
NVNT	ac80	5290	Ant2	9.53			
NVNT	ax20	5260	Ant1	9.5	12.46	24	Pass
NVNT	ax20	5260	Ant2	9.4			
NVNT	ax20	5280	Ant1	9.88	12.58	24	Pass
NVNT	ax20	5280	Ant2	9.24			
NVNT	ax20	5320	Ant1	9.86	12.49	24	Pass
NVNT	ax20	5320	Ant2	9.07			
NVNT	ax40	5270	Ant1	9.71	12.51	24	Pass
NVNT	ax40	5270	Ant2	9.29			
NVNT	ax40	5310	Ant1	9.88	12.74	24	Pass
NVNT	ax40	5310	Ant2	9.58			
NVNT	ax80	5290	Ant1	9.54	12.60	24	Pass
NVNT	ax80	5290	Ant2	9.64			

7.2.3 -26DB BANDWIDTH

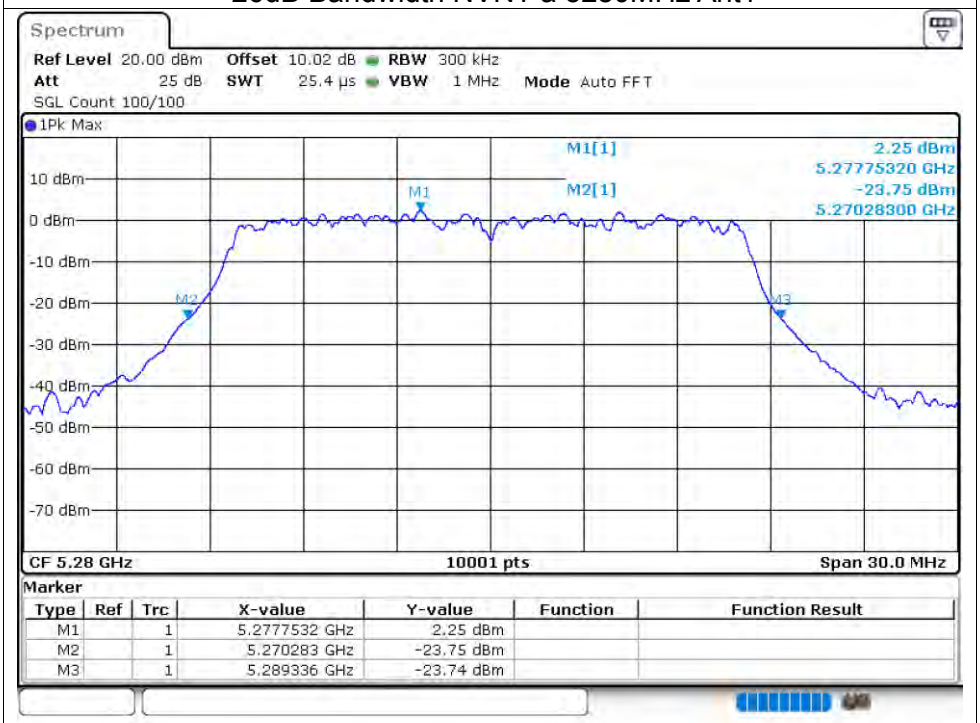
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5260	Ant1	19.206
NVNT	a	5280	Ant1	19.053
NVNT	a	5320	Ant1	18.828
NVNT	a	5260	Ant2	19.2
NVNT	a	5280	Ant2	18.852
NVNT	a	5320	Ant2	19.026
NVNT	n20	5260	Ant1	19.179
NVNT	n20	5280	Ant1	19.953
NVNT	n20	5320	Ant1	19.407
NVNT	n20	5260	Ant2	19.887
NVNT	n20	5280	Ant2	20.457
NVNT	n20	5320	Ant2	20.364
NVNT	n40	5270	Ant1	40.032
NVNT	n40	5310	Ant1	40.242
NVNT	n40	5270	Ant2	40.038
NVNT	n40	5310	Ant2	40.152
NVNT	ac20	5260	Ant1	19.125
NVNT	ac20	5280	Ant1	19.824
NVNT	ac20	5320	Ant1	19.008
NVNT	ac20	5260	Ant2	19.929
NVNT	ac20	5280	Ant2	19.824
NVNT	ac20	5320	Ant2	19.671
NVNT	ac40	5270	Ant1	39.93
NVNT	ac40	5310	Ant1	40.176
NVNT	ac40	5270	Ant2	39.888
NVNT	ac40	5310	Ant2	40.254
NVNT	ac80	5290	Ant1	80.352
NVNT	ac80	5290	Ant2	82.2
NVNT	ax20	5260	Ant1	19.956
NVNT	ax20	5280	Ant1	20.517
NVNT	ax20	5320	Ant1	20.352
NVNT	ax20	5260	Ant2	20.34
NVNT	ax20	5280	Ant2	21.117
NVNT	ax20	5320	Ant2	20.616
NVNT	ax40	5270	Ant1	40.518
NVNT	ax40	5310	Ant1	40.746
NVNT	ax40	5270	Ant2	40.692
NVNT	ax40	5310	Ant2	40.776
NVNT	ax80	5290	Ant1	81.24
NVNT	ax80	5290	Ant2	82.884

Test Graphs

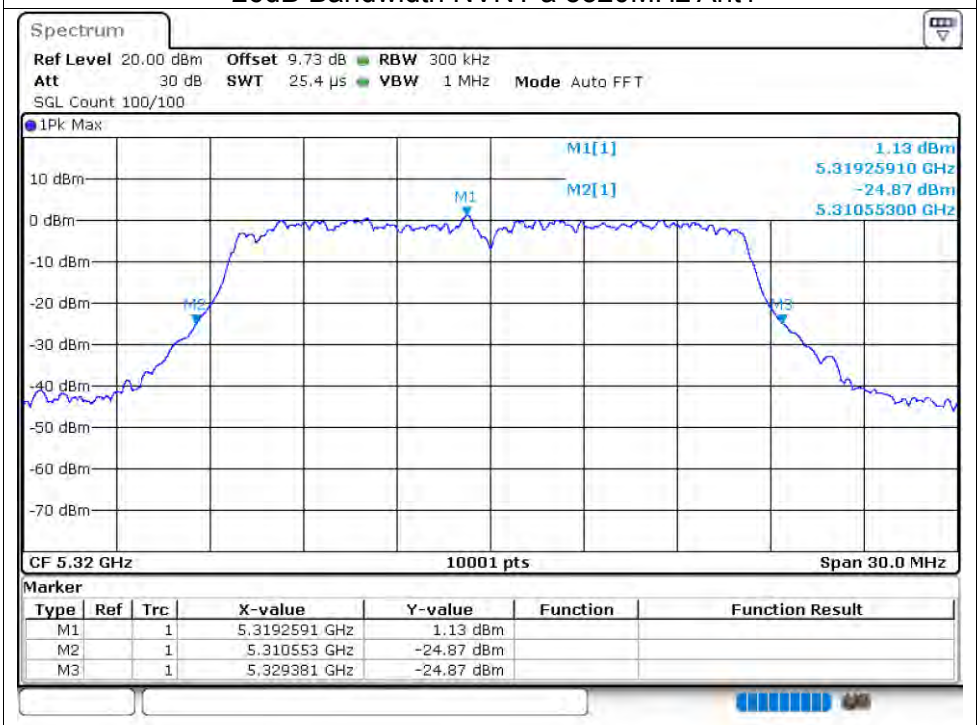
-26dB Bandwidth NVNT a 5260MHz Ant1



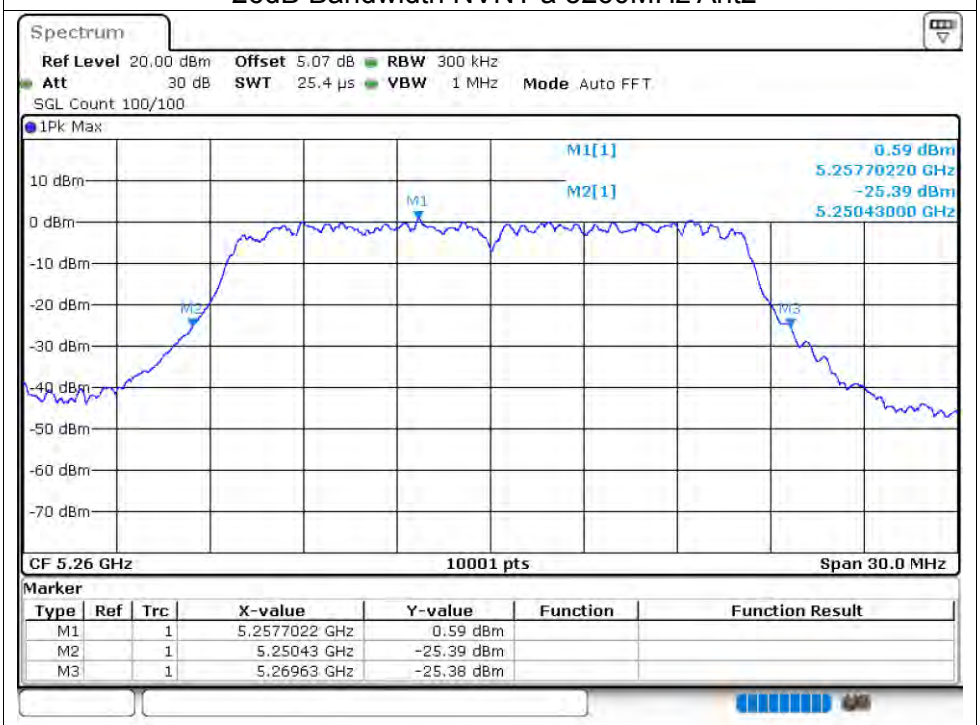
-26dB Bandwidth NVNT a 5280MHz Ant1



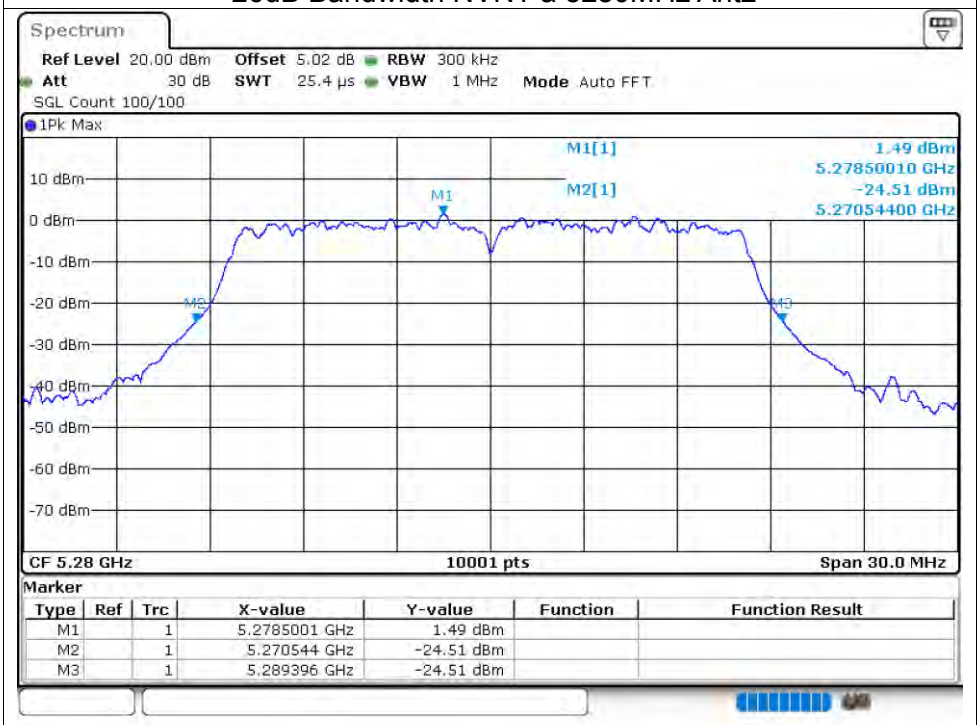
-26dB Bandwidth NVNT a 5320MHz Ant1



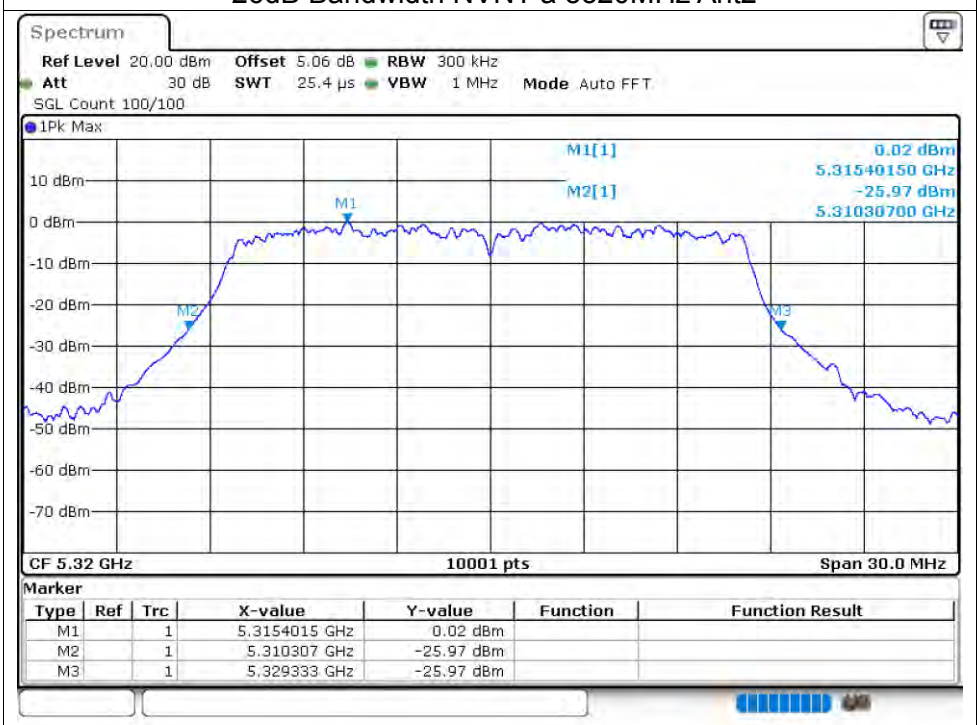
-26dB Bandwidth NVNT a 5260MHz Ant2



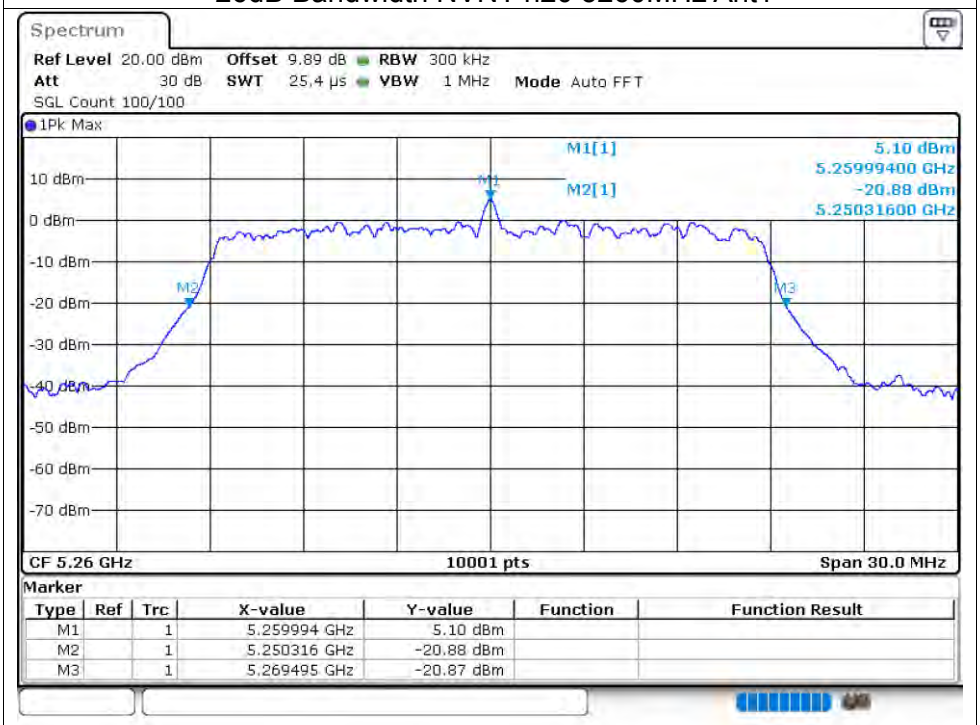
-26dB Bandwidth NVNT a 5280MHz Ant2



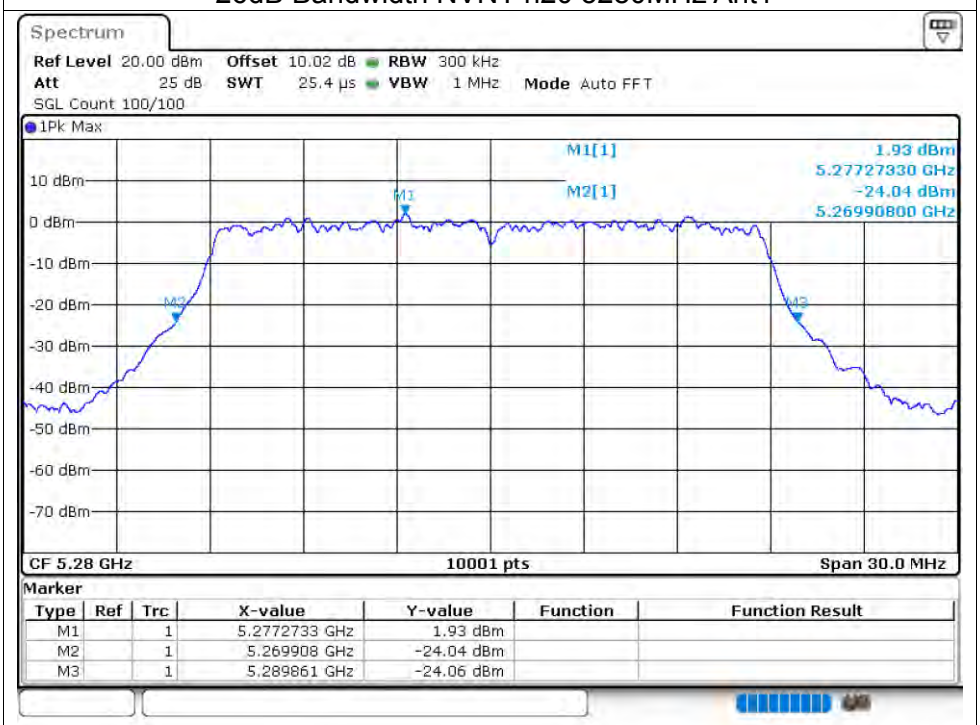
-26dB Bandwidth NVNT a 5320MHz Ant2



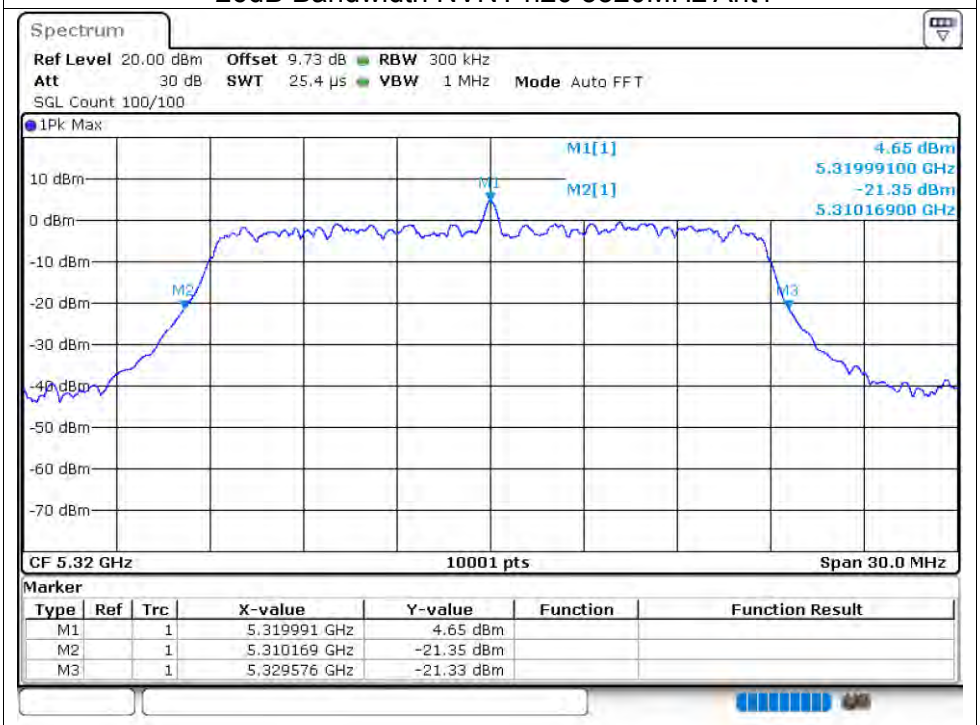
-26dB Bandwidth NVNT n20 5260MHz Ant1



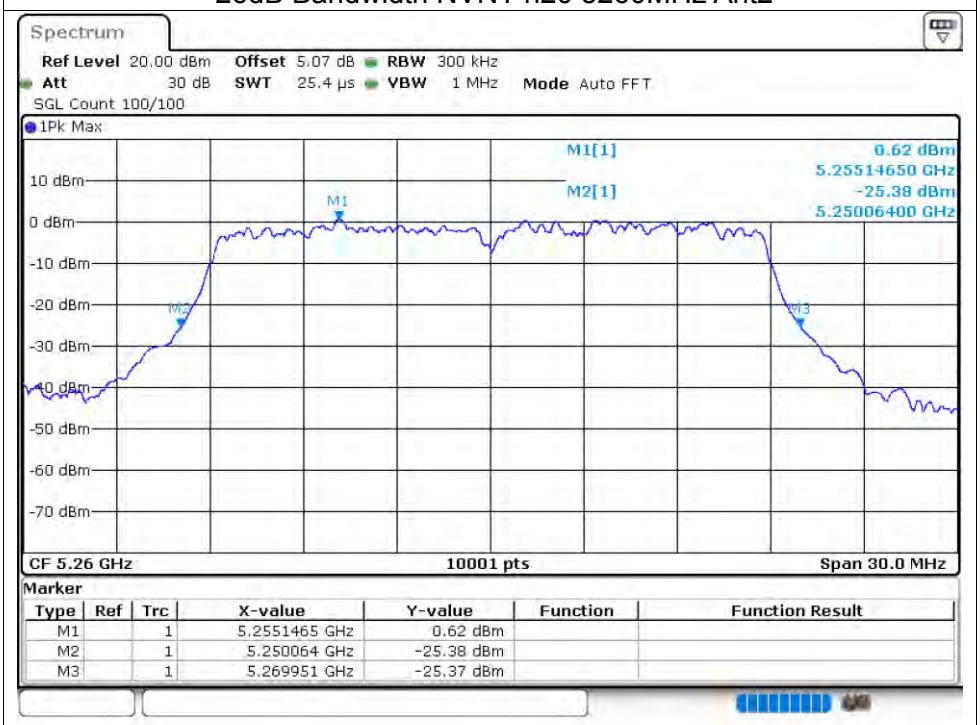
-26dB Bandwidth NVNT n20 5280MHz Ant1



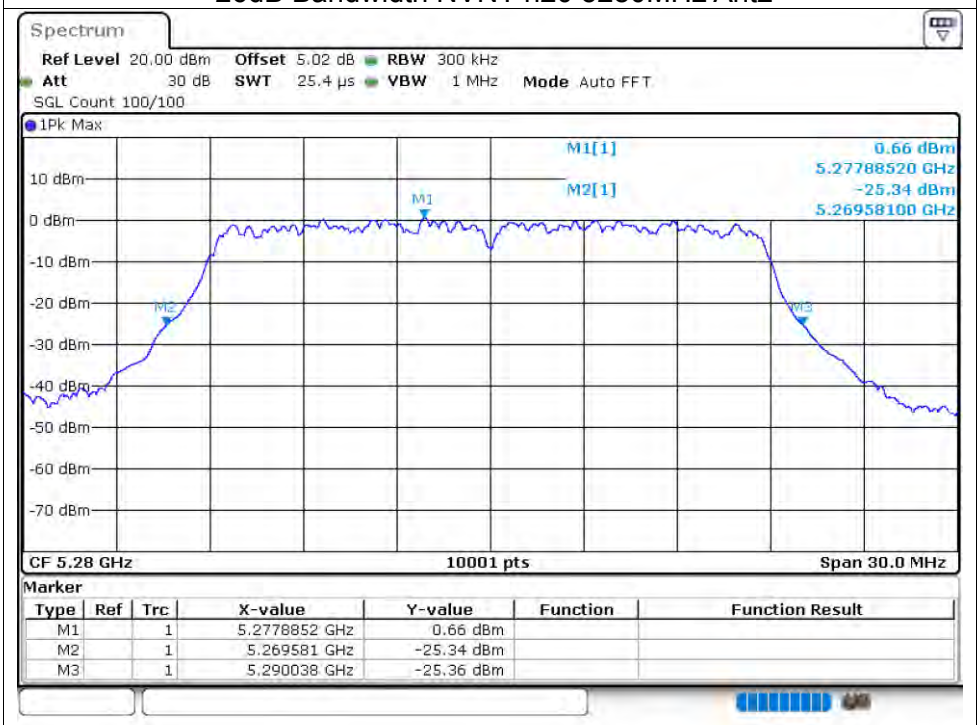
-26dB Bandwidth NVNT n20 5320MHz Ant1



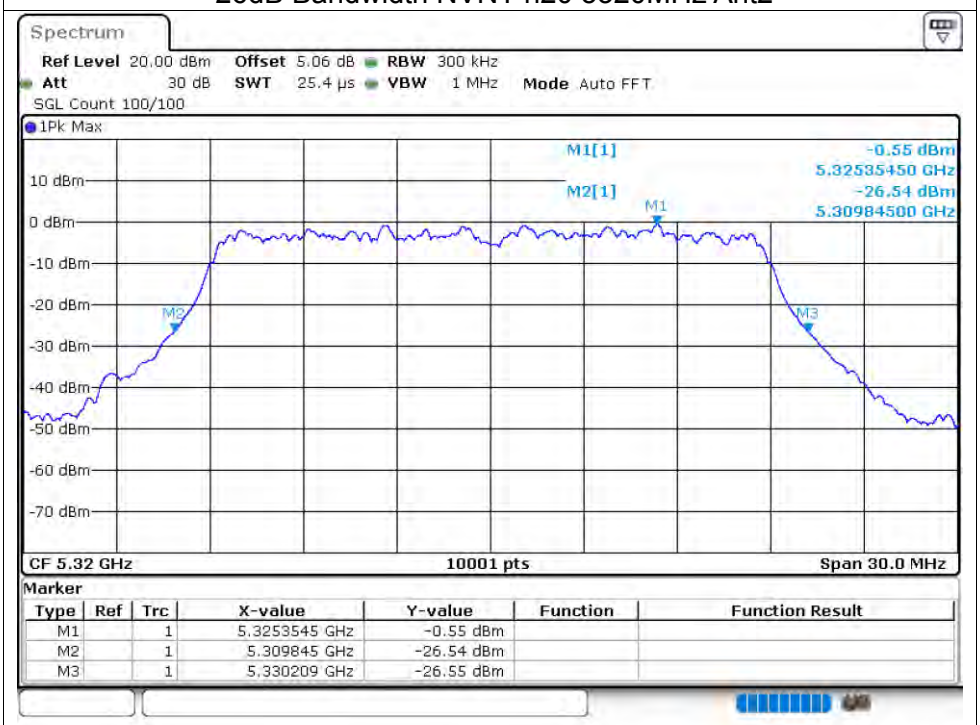
-26dB Bandwidth NVNT n20 5260MHz Ant2



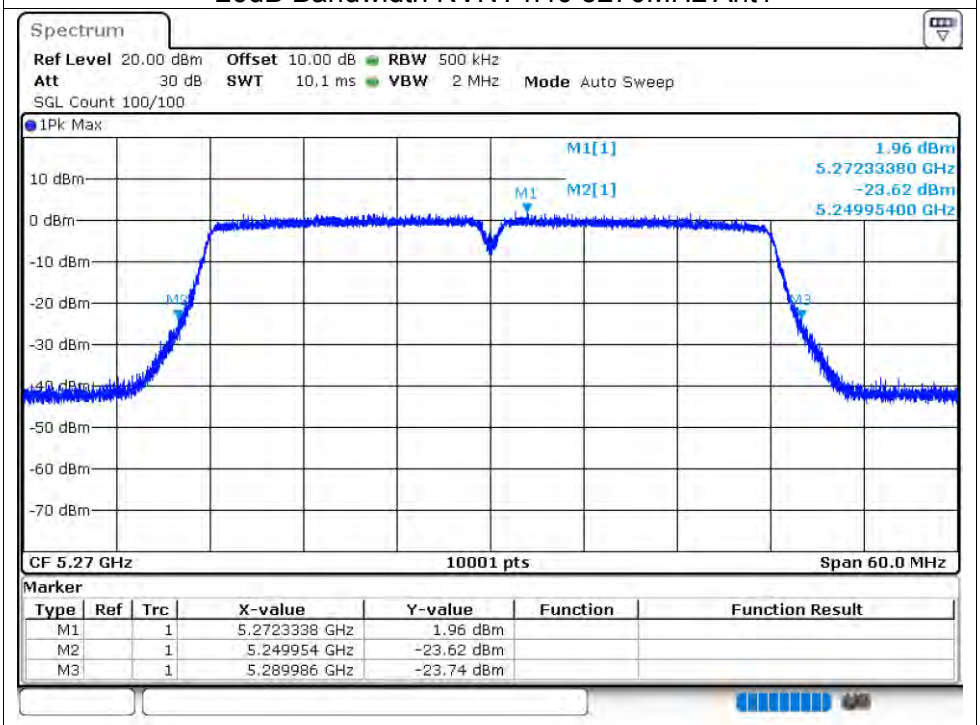
-26dB Bandwidth NVNT n20 5280MHz Ant2



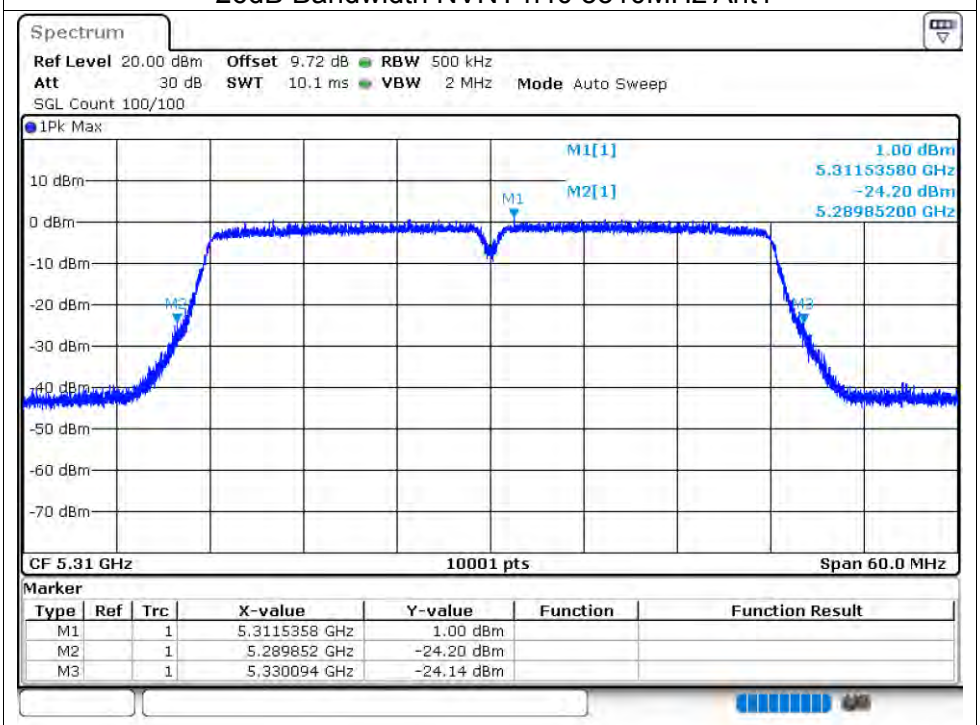
-26dB Bandwidth NVNT n20 5320MHz Ant2



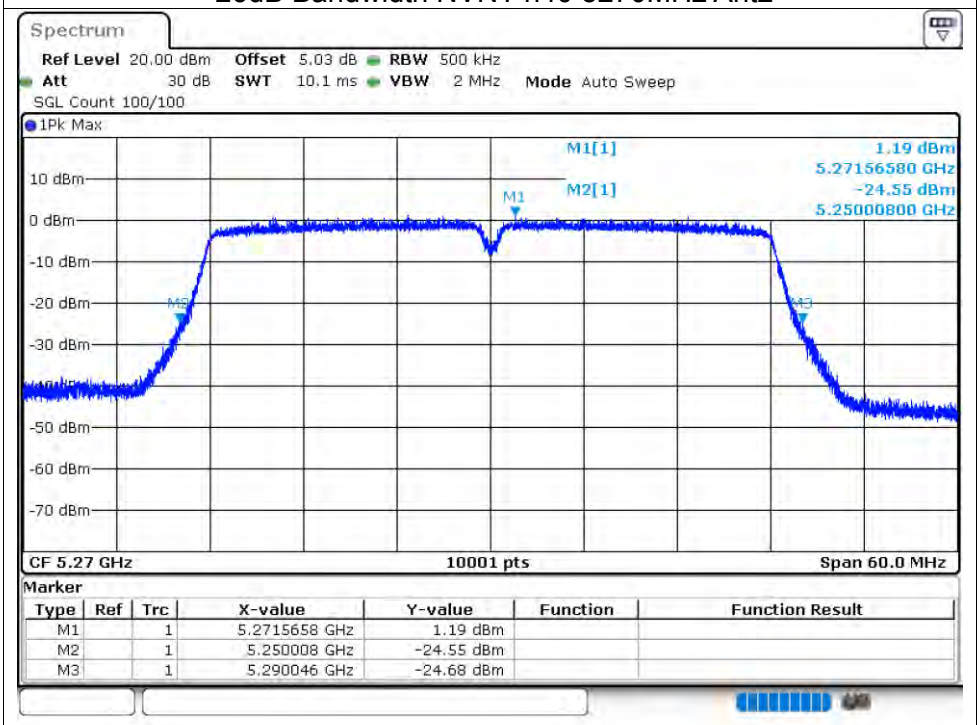
-26dB Bandwidth NVNT n40 5270MHz Ant1



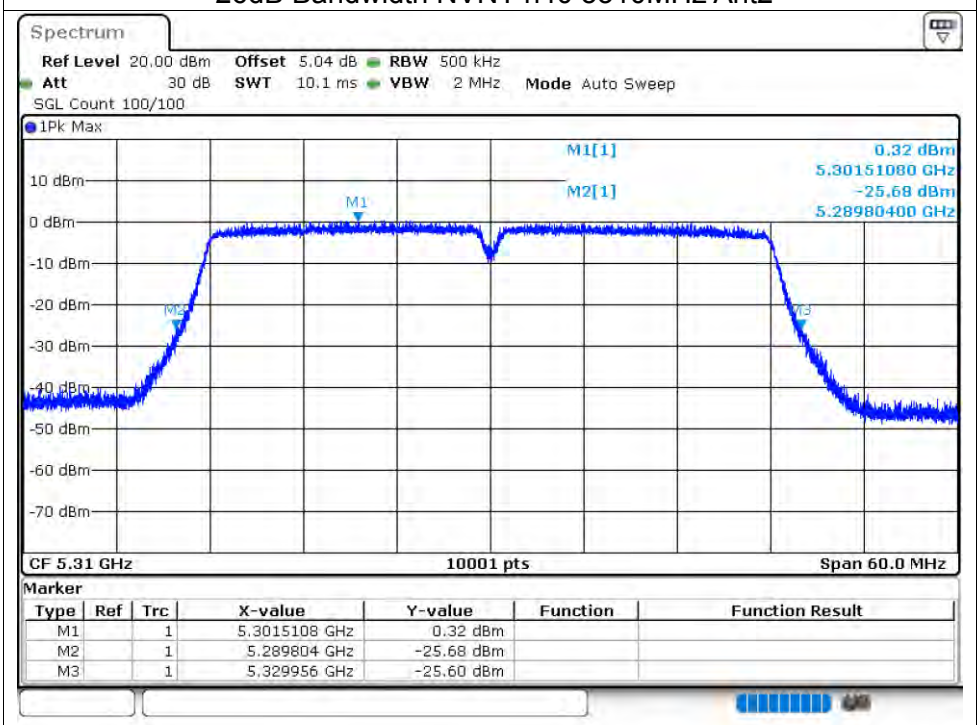
-26dB Bandwidth NVNT n40 5310MHz Ant1



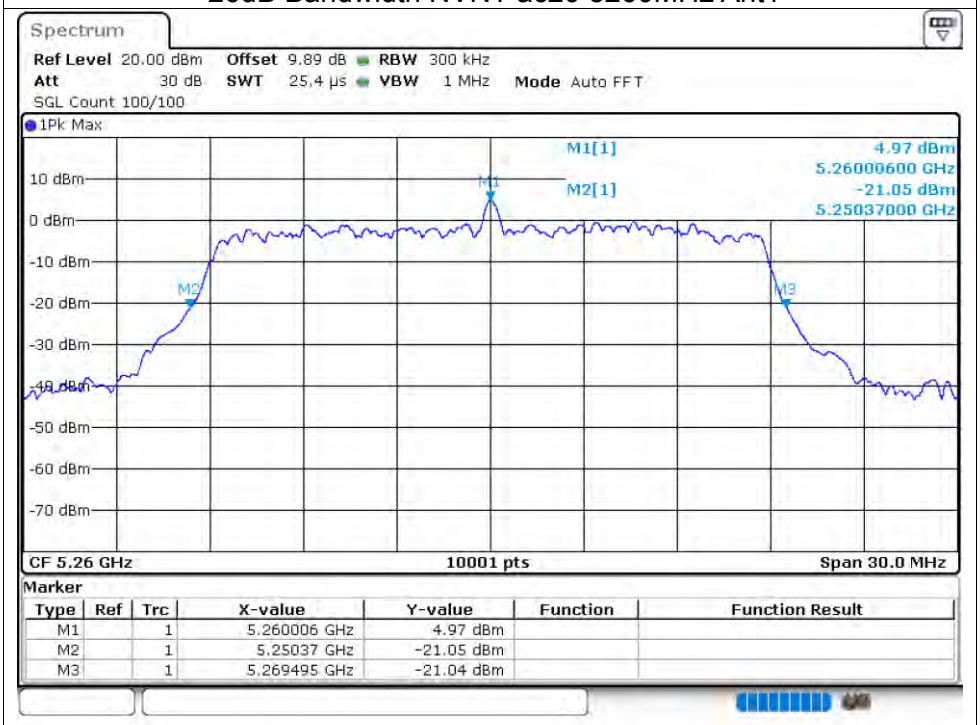
-26dB Bandwidth NVNT n40 5270MHz Ant2



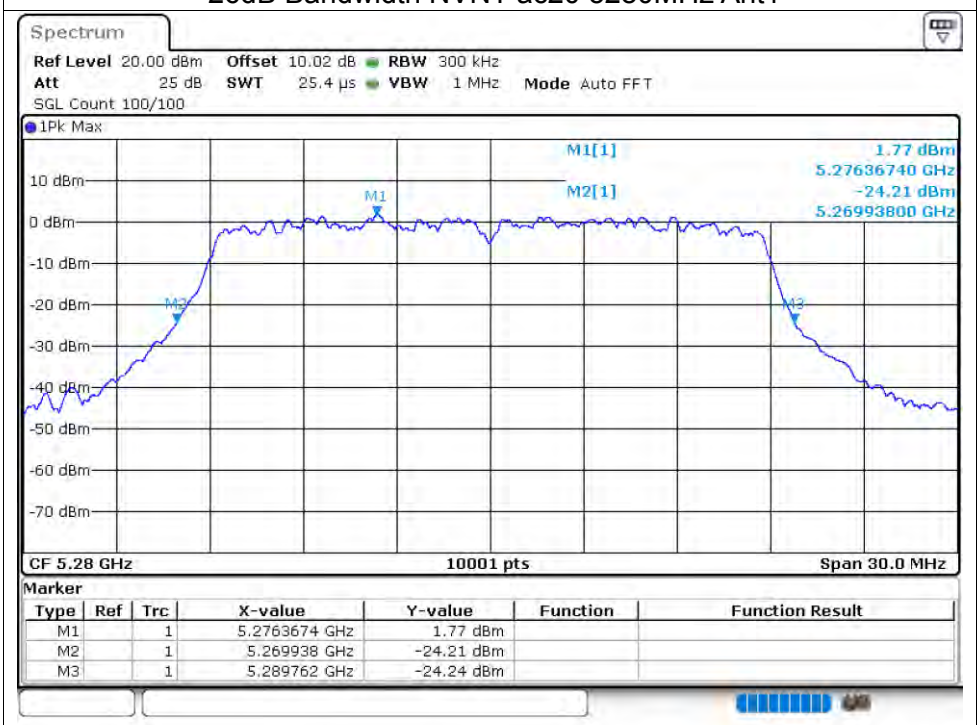
-26dB Bandwidth NVNT n40 5310MHz Ant2



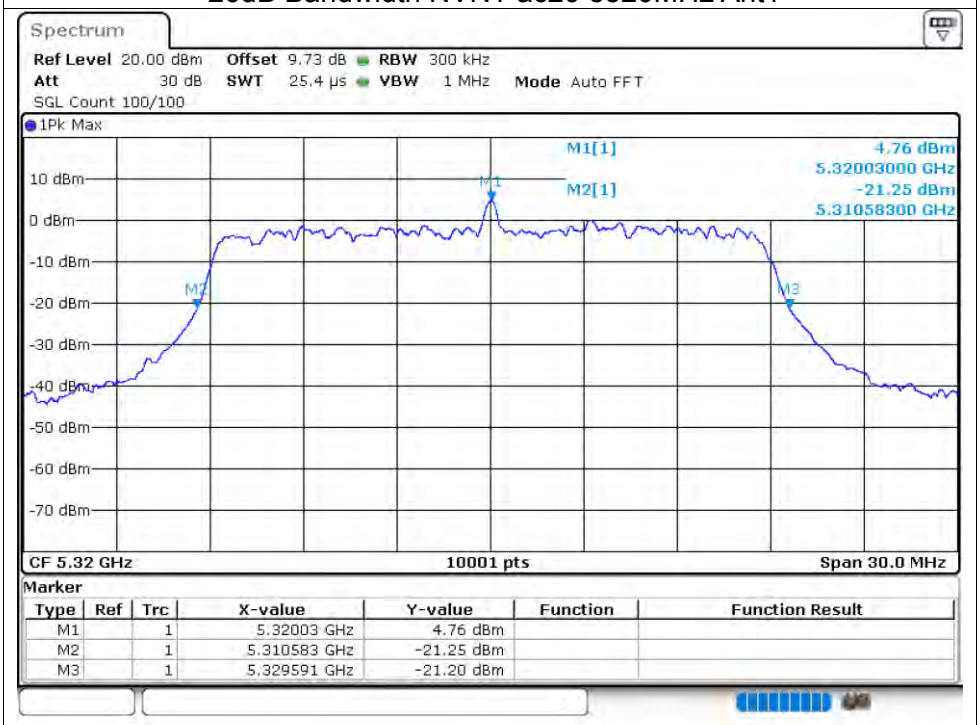
-26dB Bandwidth NVNT ac20 5260MHz Ant1



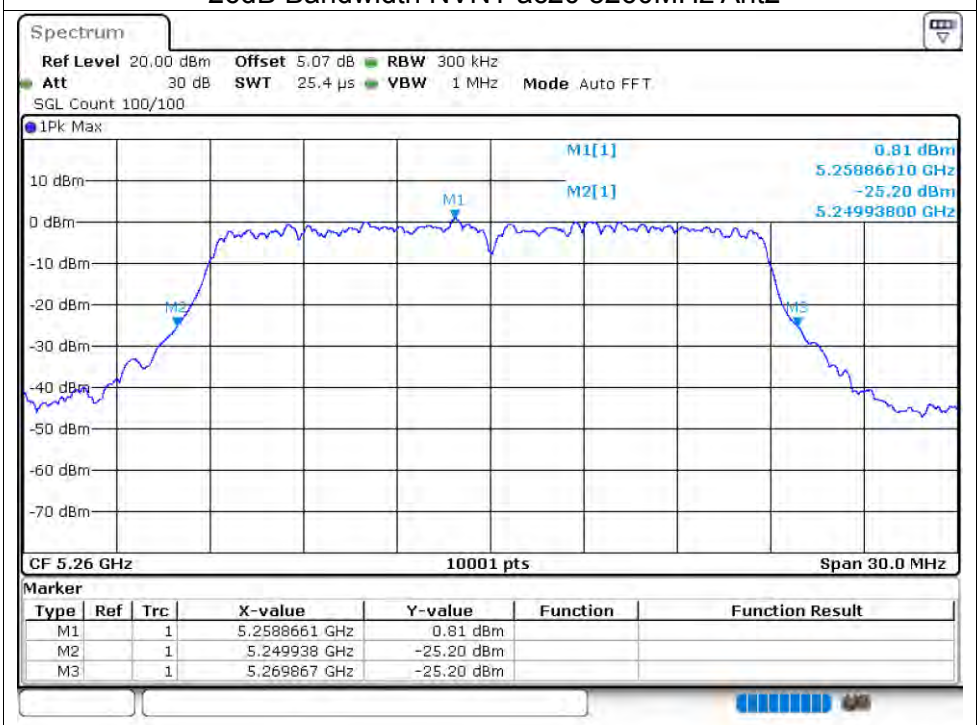
-26dB Bandwidth NVNT ac20 5280MHz Ant1



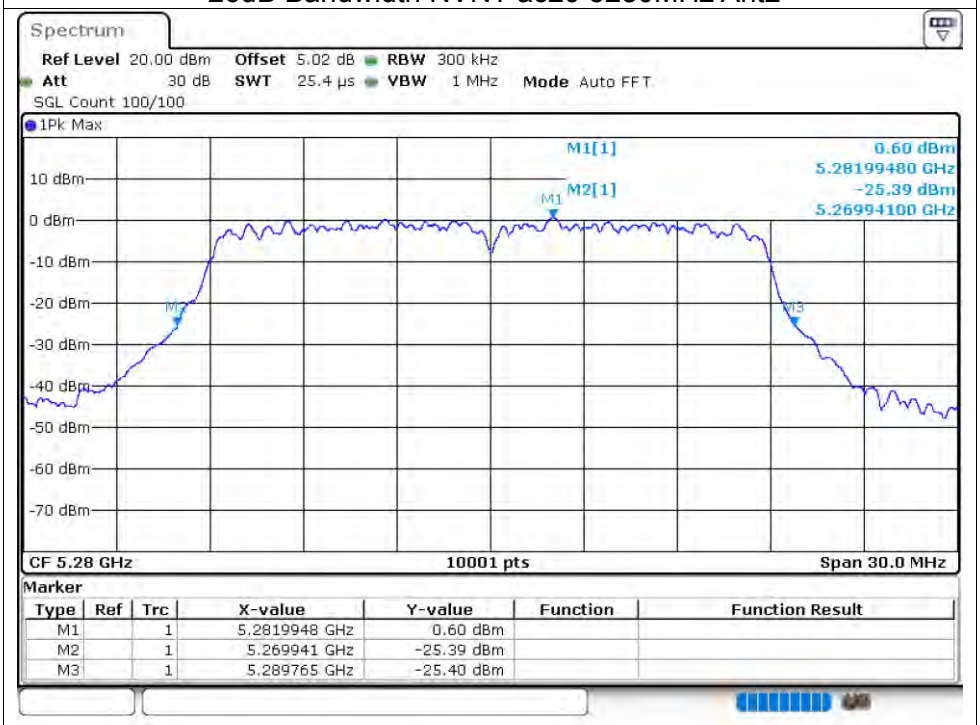
-26dB Bandwidth NVNT ac20 5320MHz Ant1



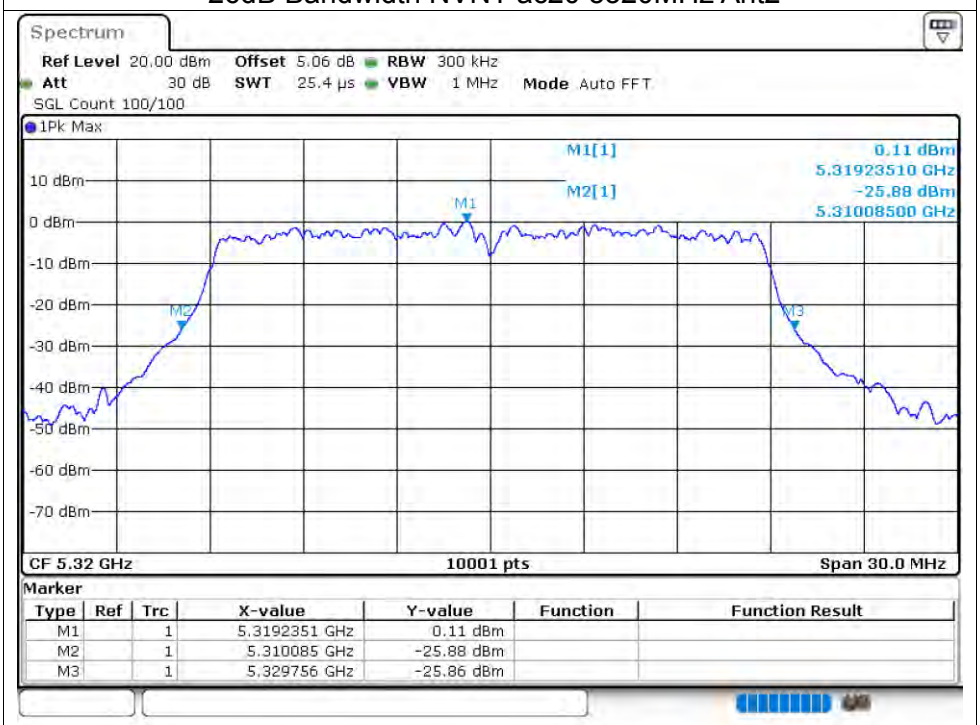
-26dB Bandwidth NVNT ac20 5260MHz Ant2



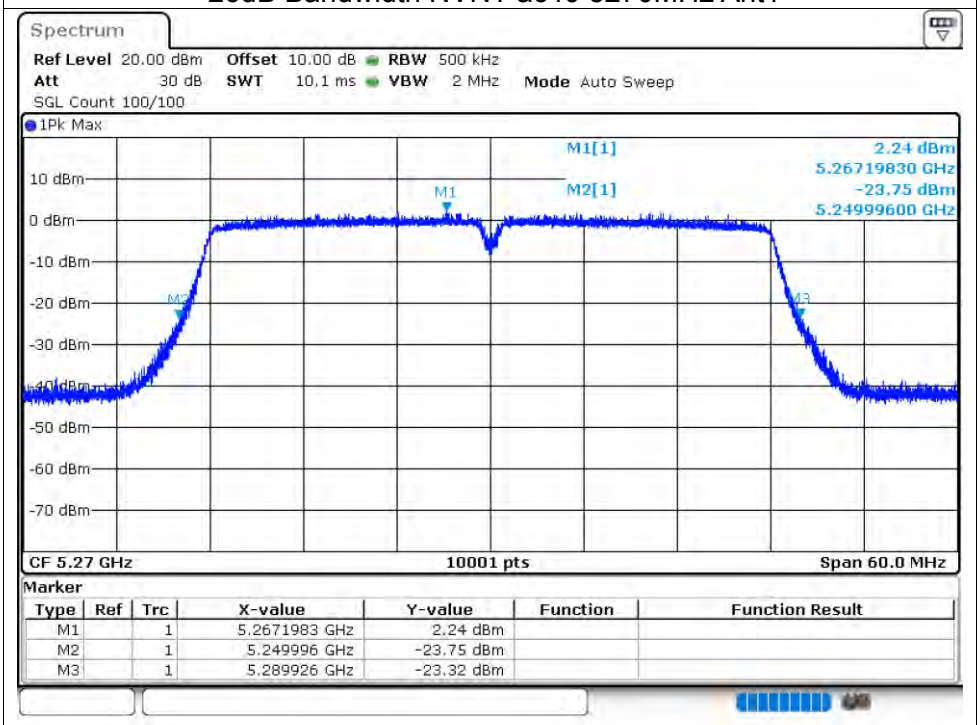
-26dB Bandwidth NVNT ac20 5280MHz Ant2



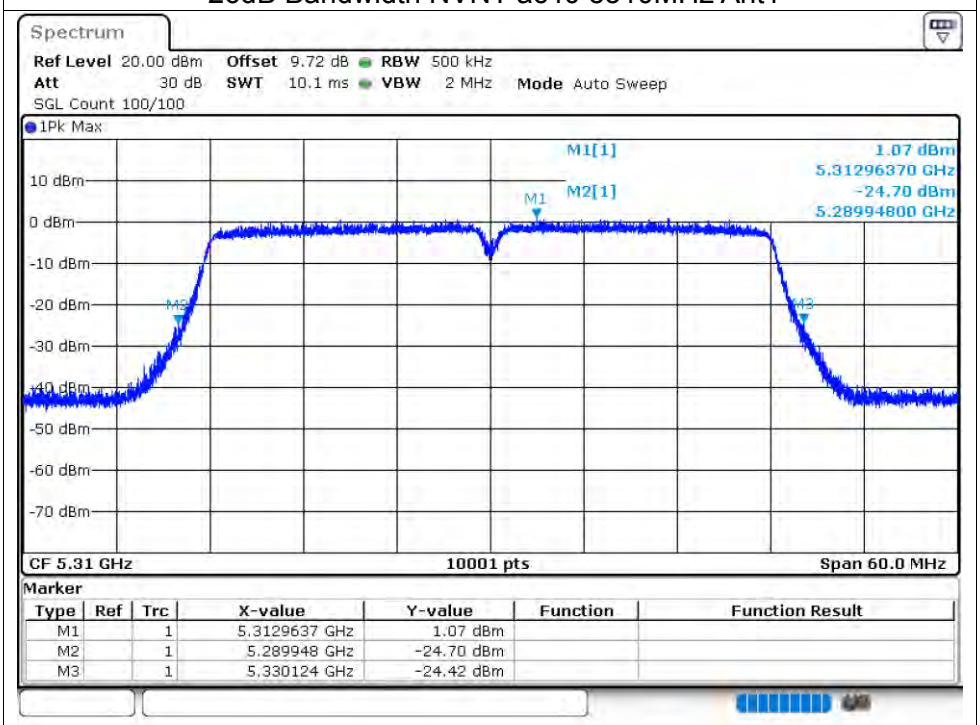
-26dB Bandwidth NVNT ac20 5320MHz Ant2



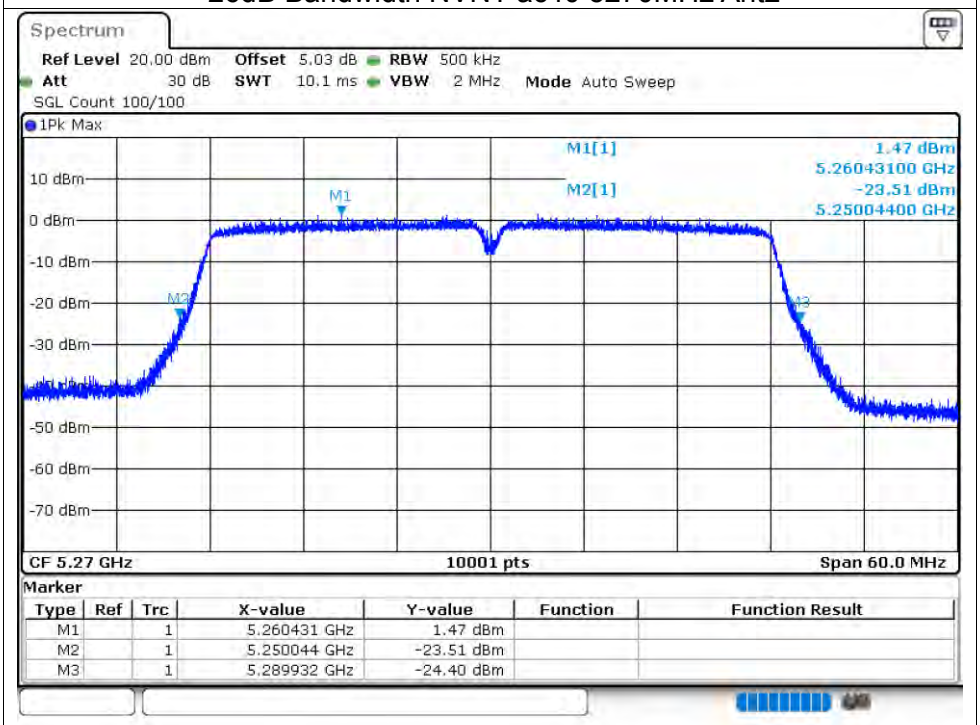
-26dB Bandwidth NVNT ac40 5270MHz Ant1



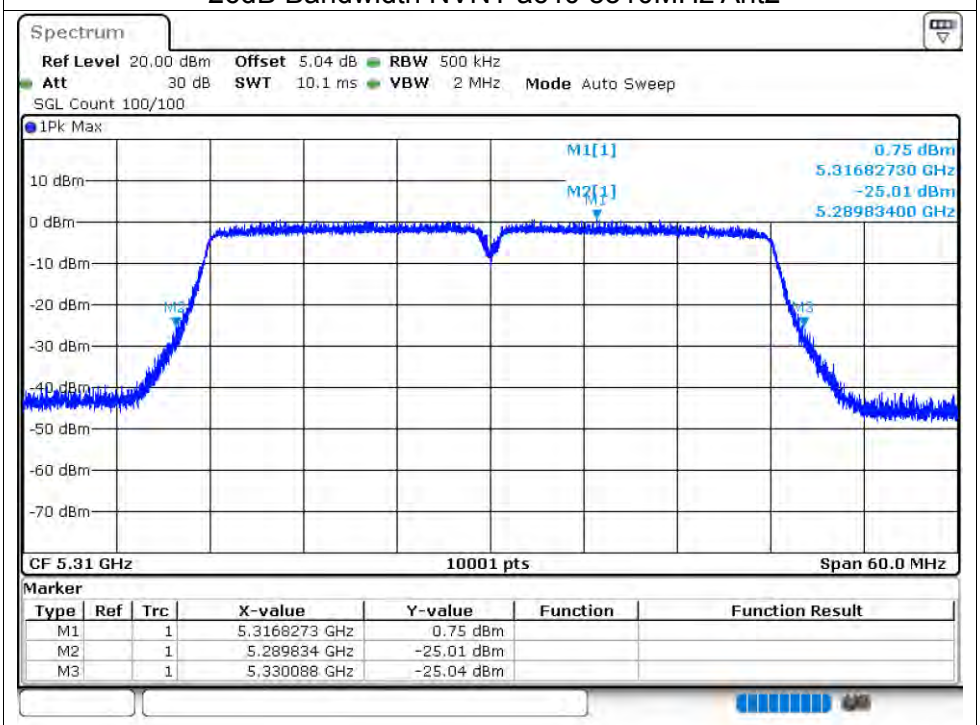
-26dB Bandwidth NVNT ac40 5310MHz Ant1



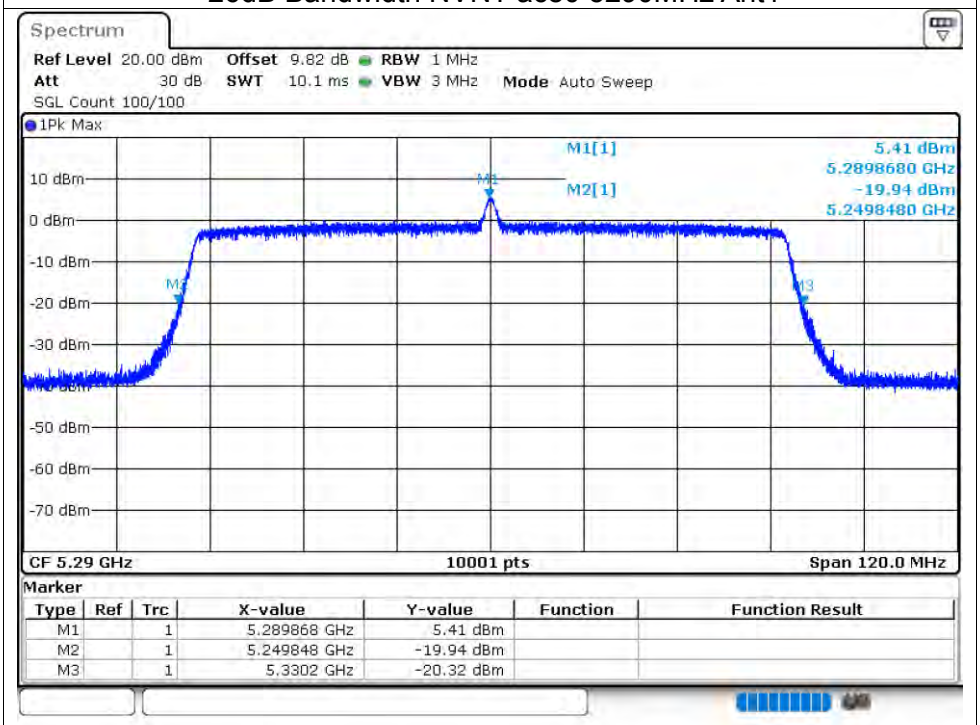
-26dB Bandwidth NVNT ac40 5270MHz Ant2



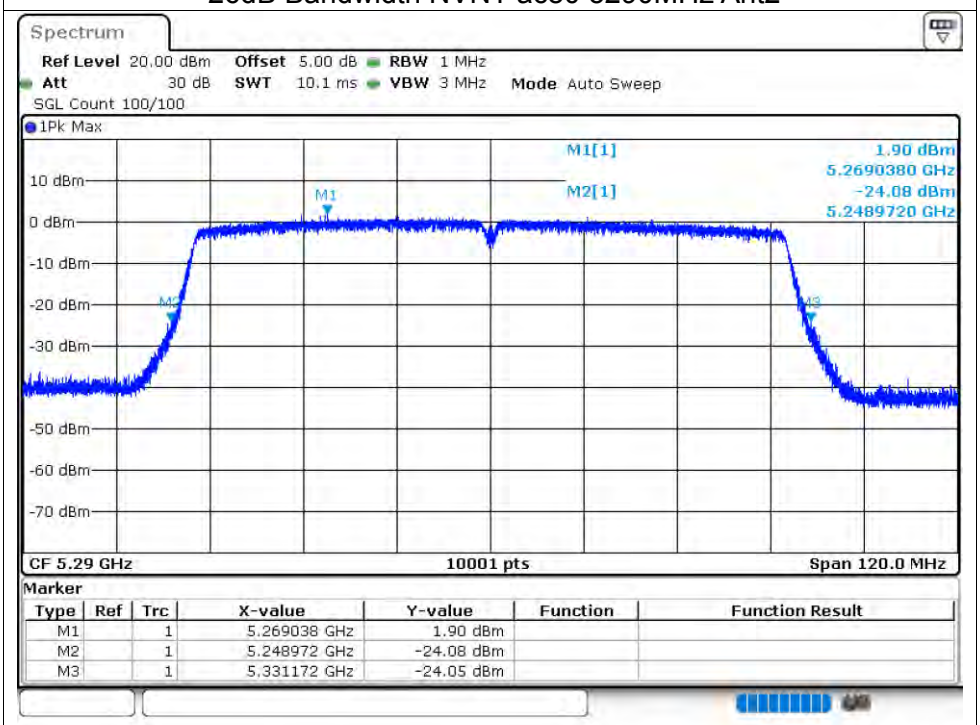
-26dB Bandwidth NVNT ac40 5310MHz Ant2



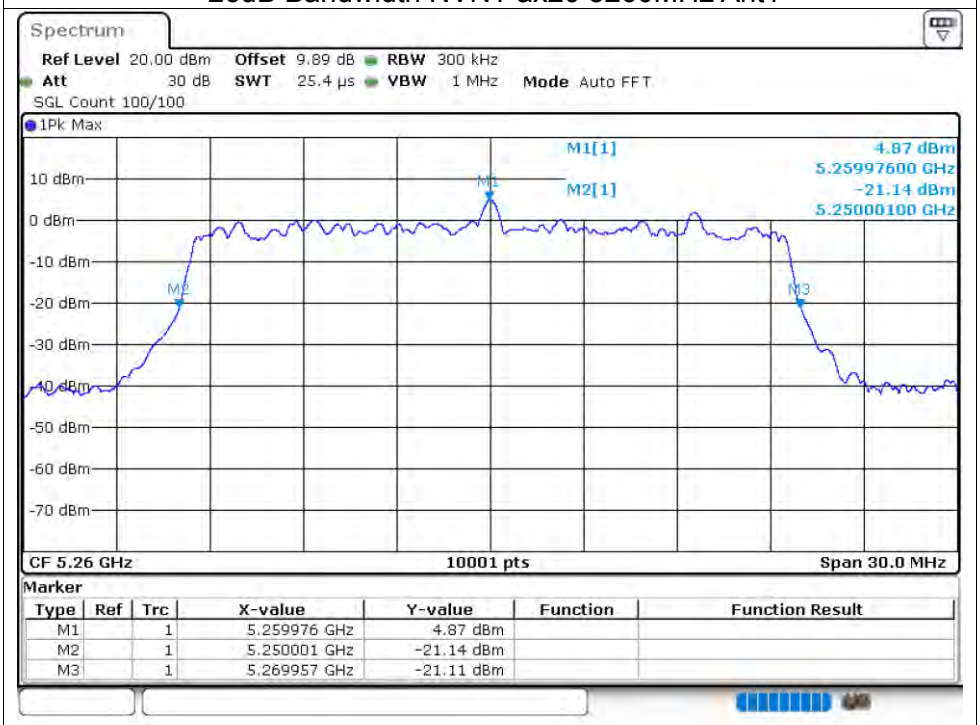
-26dB Bandwidth NVNT ac80 5290MHz Ant1



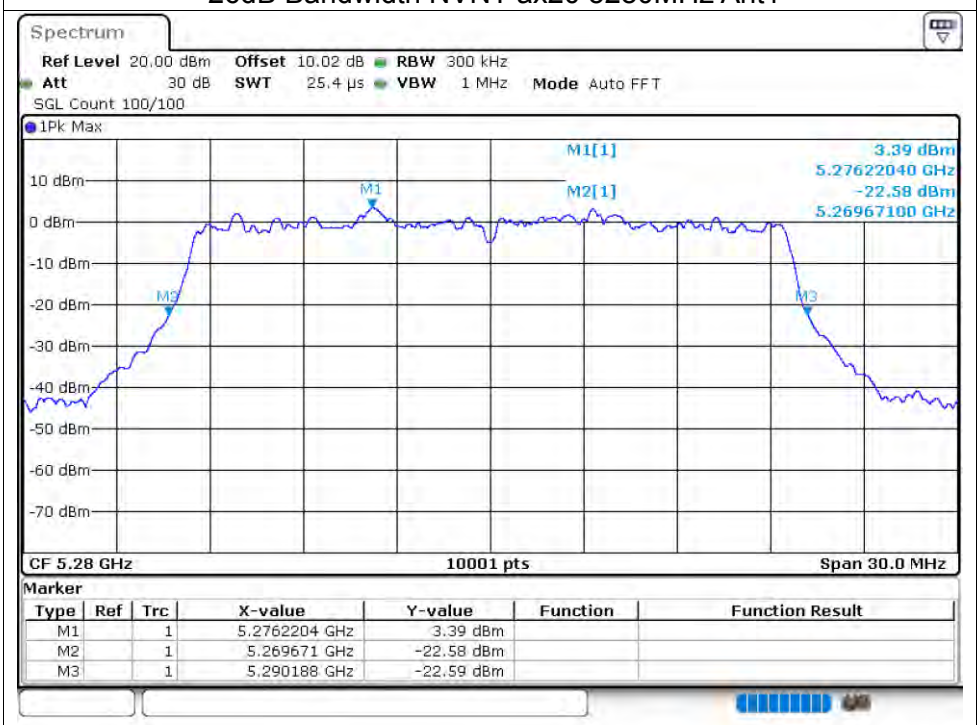
-26dB Bandwidth NVNT ac80 5290MHz Ant2



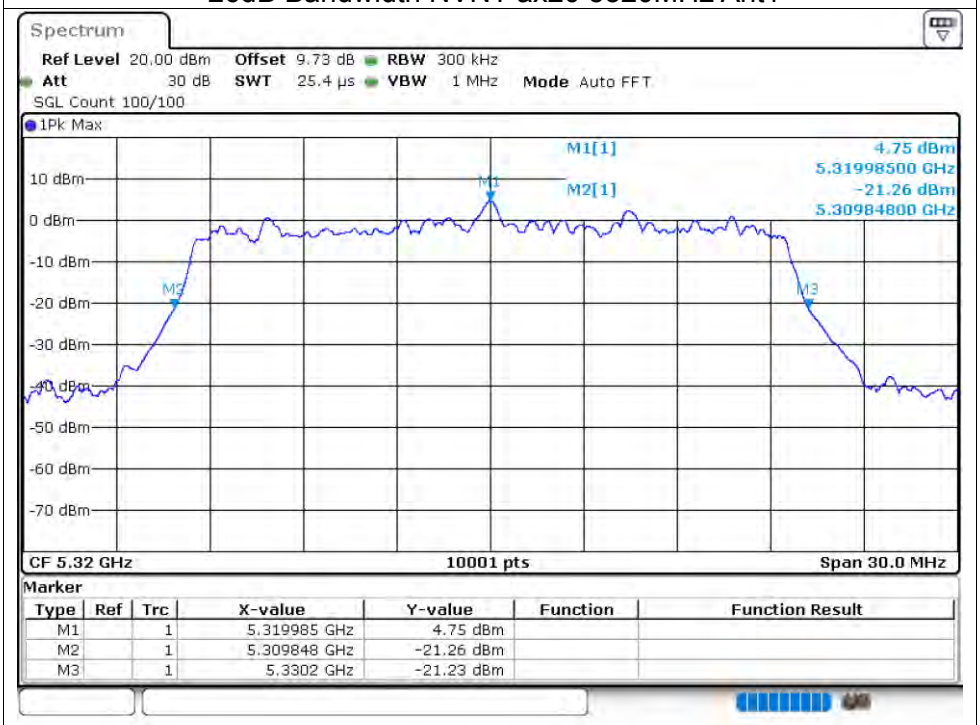
-26dB Bandwidth NVNT ax20 5260MHz Ant1



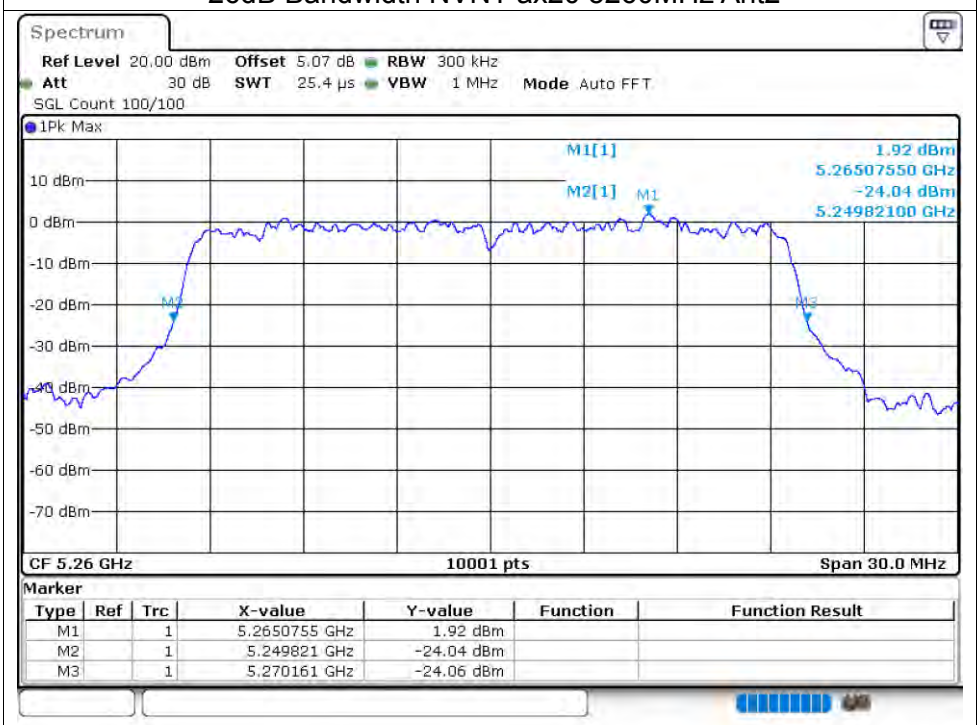
-26dB Bandwidth NVNT ax20 5280MHz Ant1



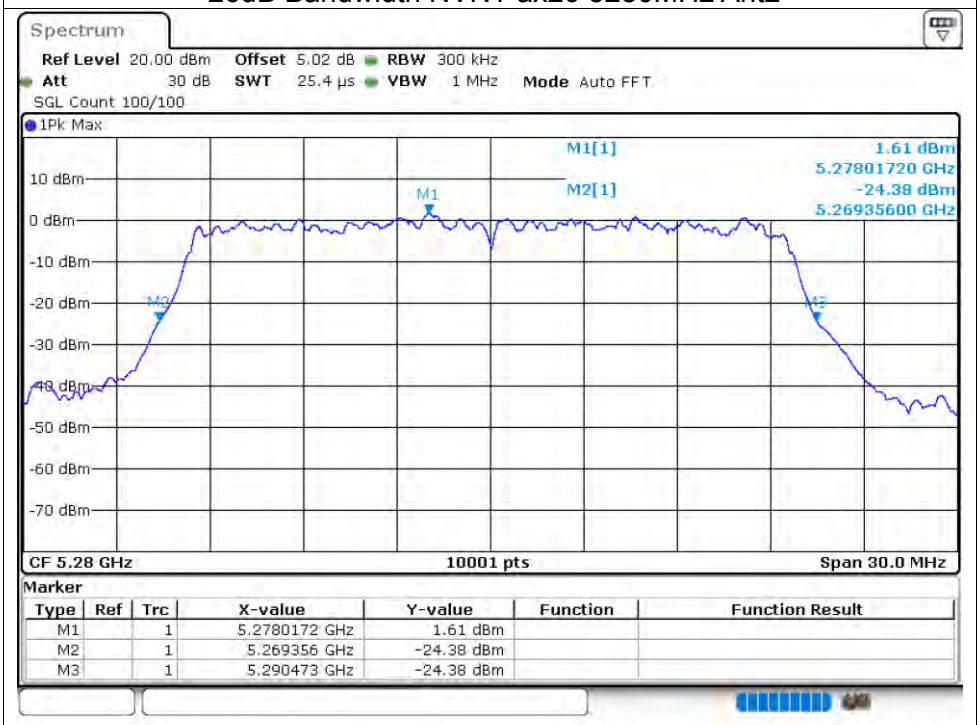
-26dB Bandwidth NVNT ax20 5320MHz Ant1



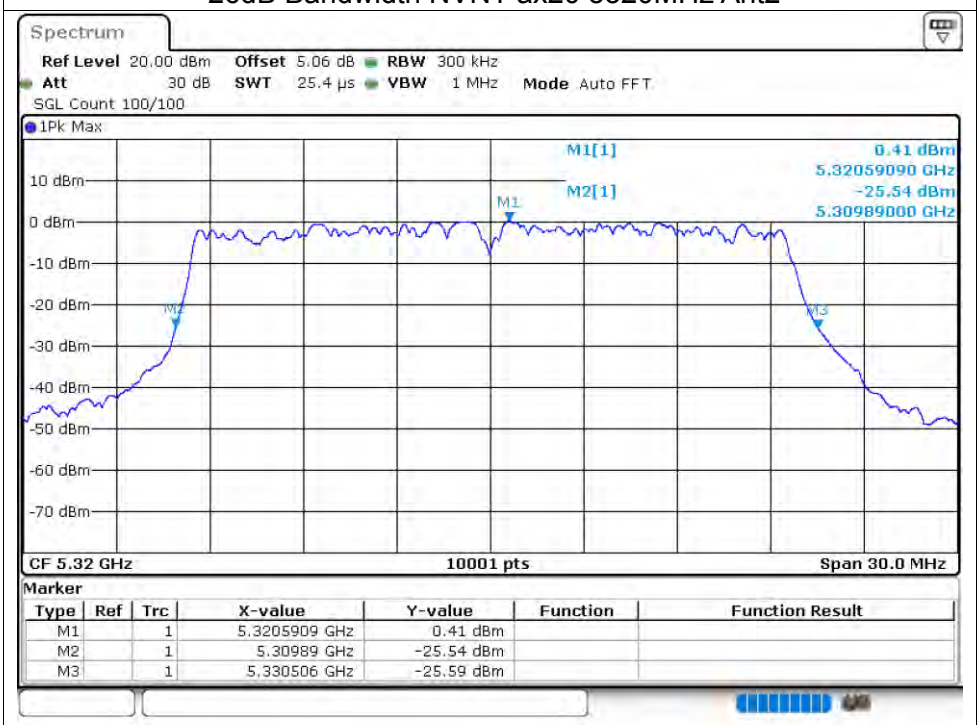
-26dB Bandwidth NVNT ax20 5260MHz Ant2



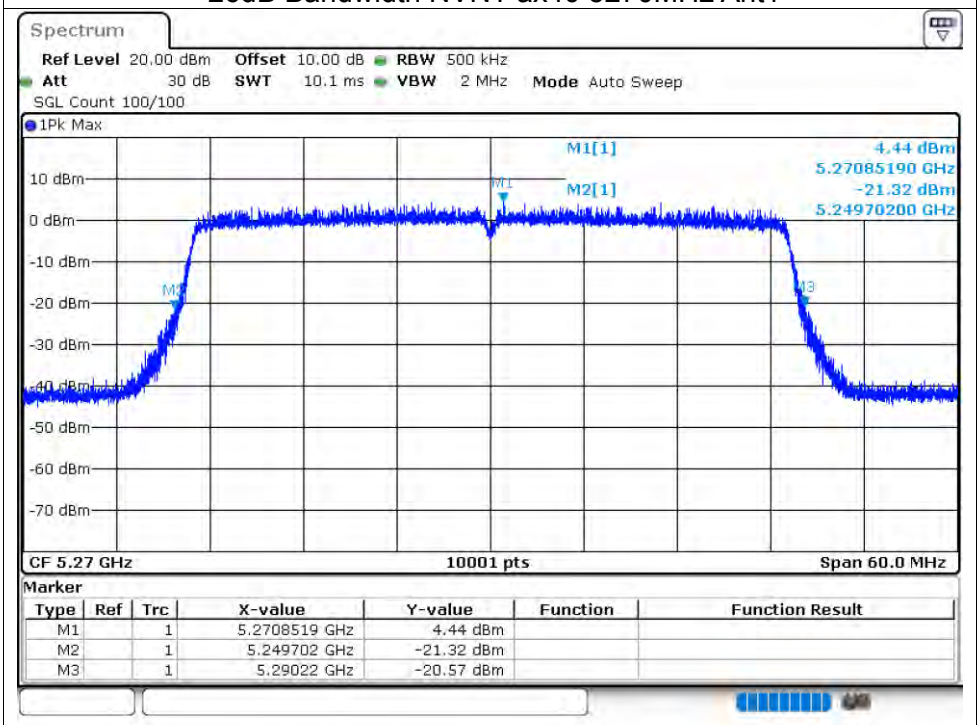
-26dB Bandwidth NVNT ax20 5280MHz Ant2



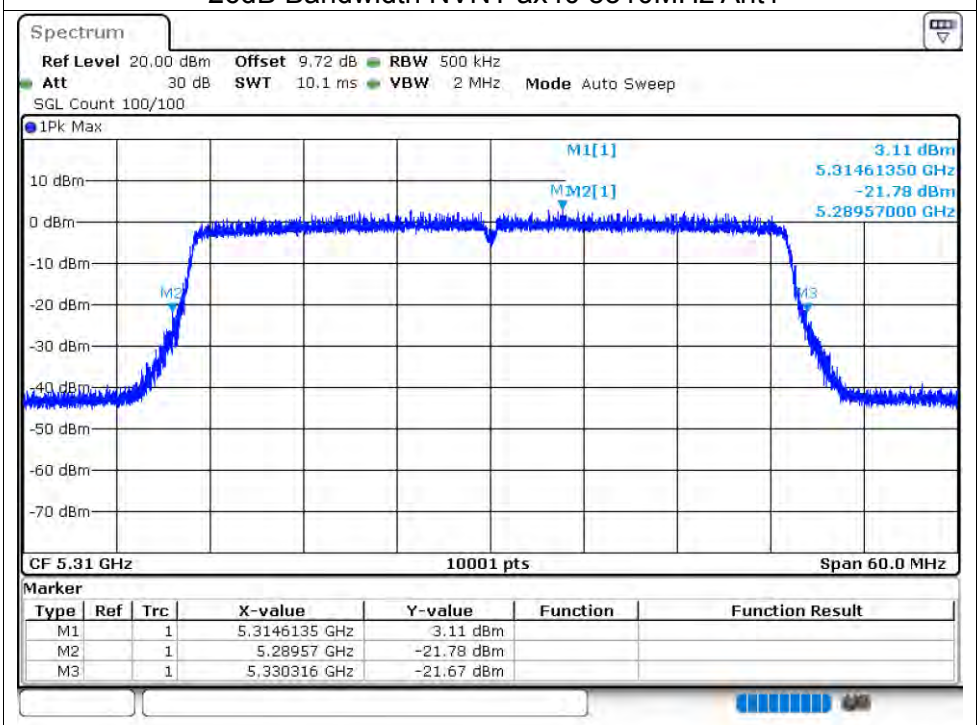
-26dB Bandwidth NVNT ax20 5320MHz Ant2



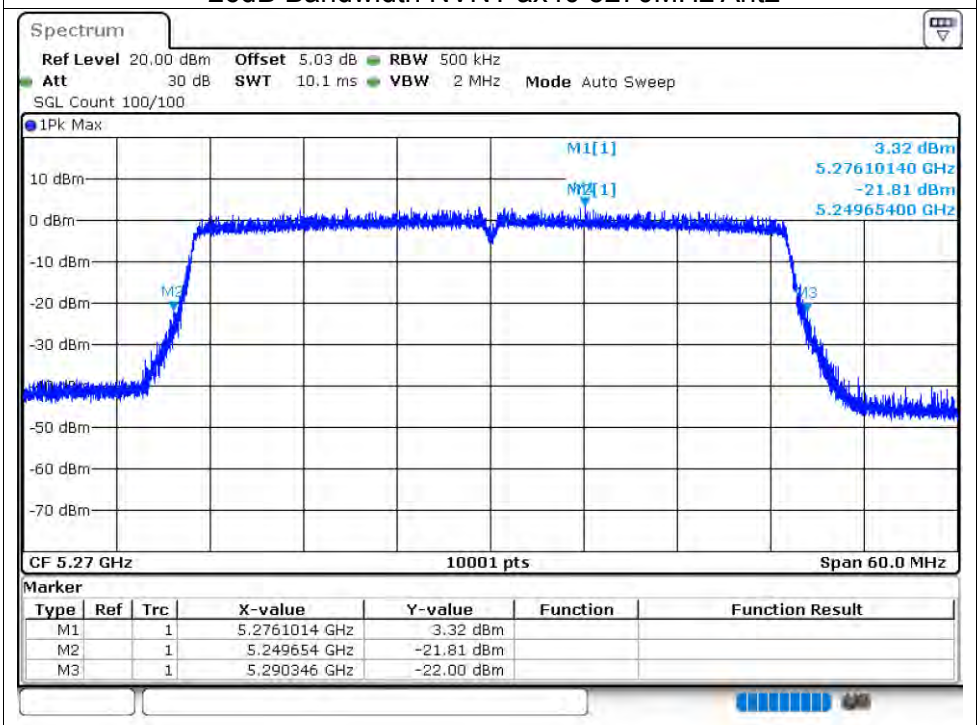
-26dB Bandwidth NVNT ax40 5270MHz Ant1



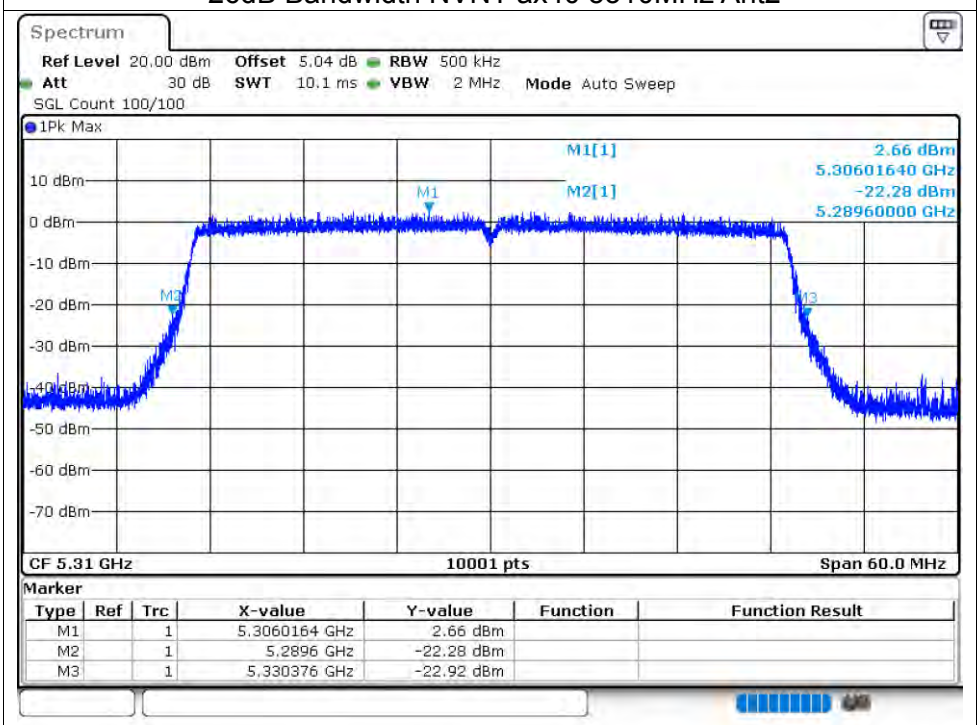
-26dB Bandwidth NVNT ax40 5310MHz Ant1



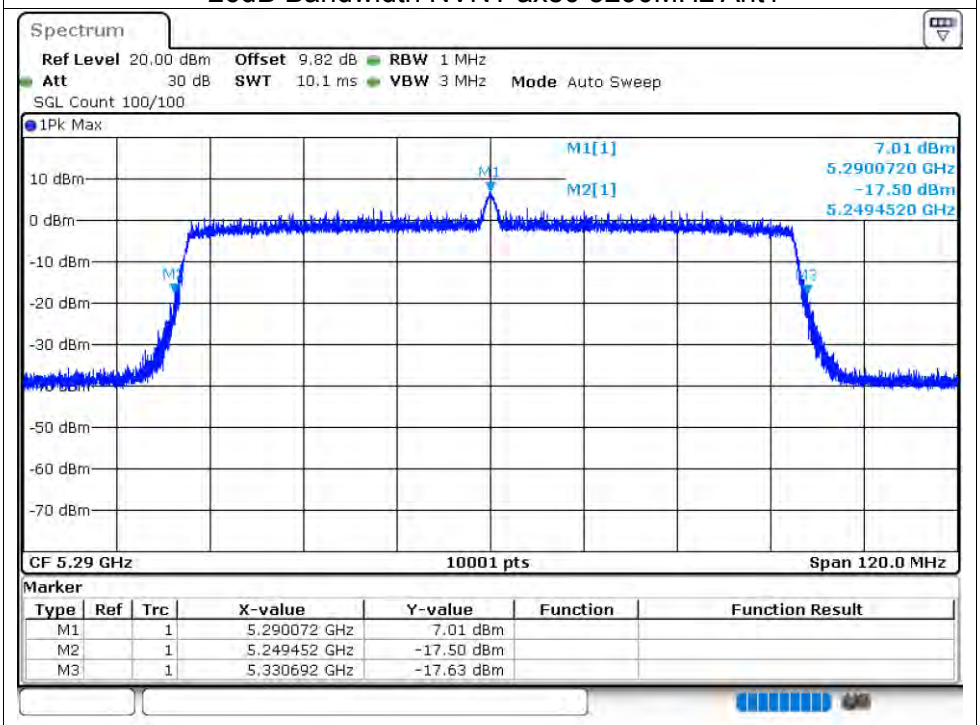
-26dB Bandwidth NVNT ax40 5270MHz Ant2



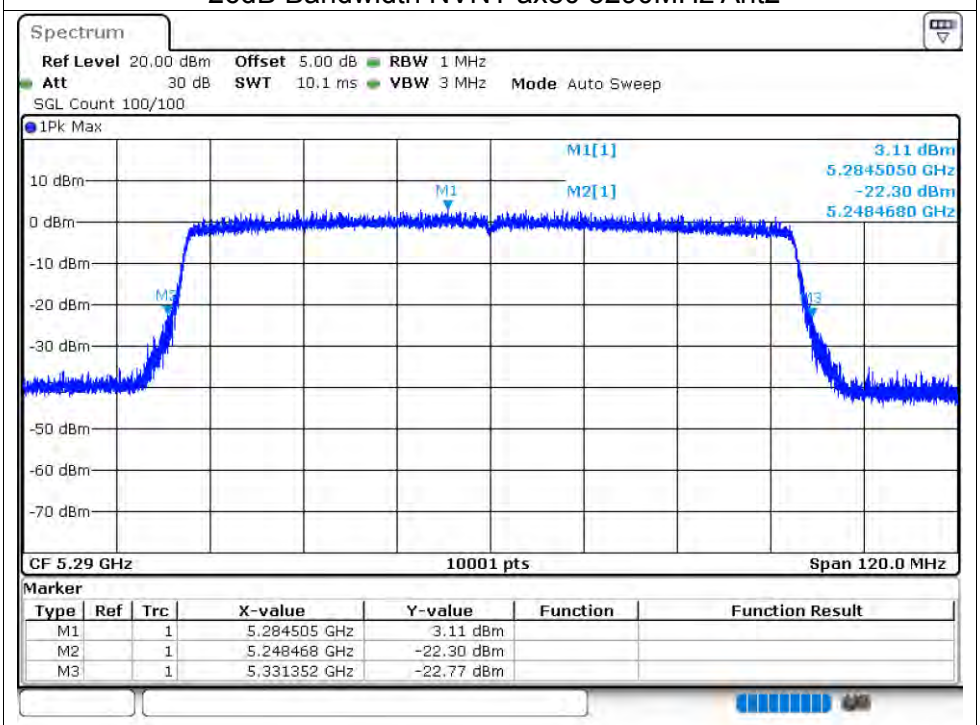
-26dB Bandwidth NVNT ax40 5310MHz Ant2



-26dB Bandwidth NVNT ax80 5290MHz Ant1



-26dB Bandwidth NVNT ax80 5290MHz Ant2



7.2.4 OCCUPIED CHANNEL BANDWIDTH

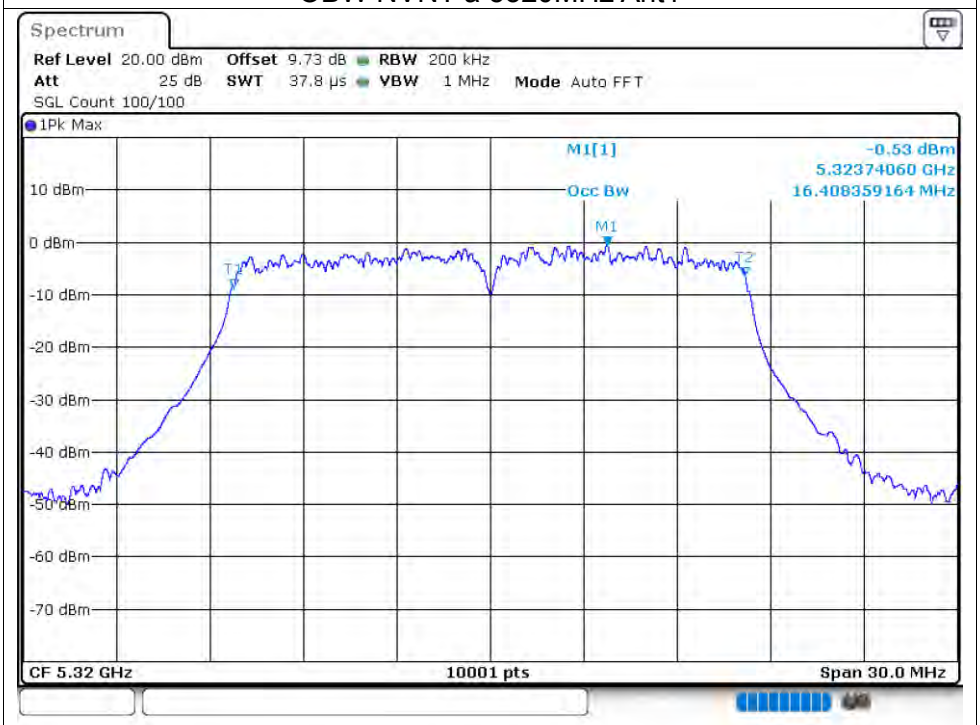
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	16.318
NVNT	a	5280	Ant1	16.315
NVNT	a	5320	Ant1	16.408
NVNT	a	5260	Ant2	16.327
NVNT	a	5280	Ant2	16.417
NVNT	a	5320	Ant2	16.339
NVNT	n20	5260	Ant1	17.548
NVNT	n20	5280	Ant1	17.596
NVNT	n20	5320	Ant1	17.53
NVNT	n20	5260	Ant2	17.596
NVNT	n20	5280	Ant2	17.578
NVNT	n20	5320	Ant2	17.59
NVNT	n40	5270	Ant1	36.068
NVNT	n40	5310	Ant1	36.08
NVNT	n40	5270	Ant2	36.026
NVNT	n40	5310	Ant2	36.104
NVNT	ac20	5260	Ant1	17.485
NVNT	ac20	5280	Ant1	17.614
NVNT	ac20	5320	Ant1	17.512
NVNT	ac20	5260	Ant2	17.542
NVNT	ac20	5280	Ant2	17.566
NVNT	ac20	5320	Ant2	17.578
NVNT	ac40	5270	Ant1	36.068
NVNT	ac40	5310	Ant1	36.092
NVNT	ac40	5270	Ant2	36.044
NVNT	ac40	5310	Ant2	36.104
NVNT	ac80	5290	Ant1	75.388
NVNT	ac80	5290	Ant2	75.352
NVNT	ax20	5260	Ant1	18.976
NVNT	ax20	5280	Ant1	18.982
NVNT	ax20	5320	Ant1	18.853
NVNT	ax20	5260	Ant2	18.901
NVNT	ax20	5280	Ant2	18.919
NVNT	ax20	5320	Ant2	18.91
NVNT	ax40	5270	Ant1	37.76
NVNT	ax40	5310	Ant1	37.742
NVNT	ax40	5270	Ant2	37.706
NVNT	ax40	5310	Ant2	37.736
NVNT	ax80	5290	Ant1	77.164
NVNT	ax80	5290	Ant2	77.116

Test Graphs

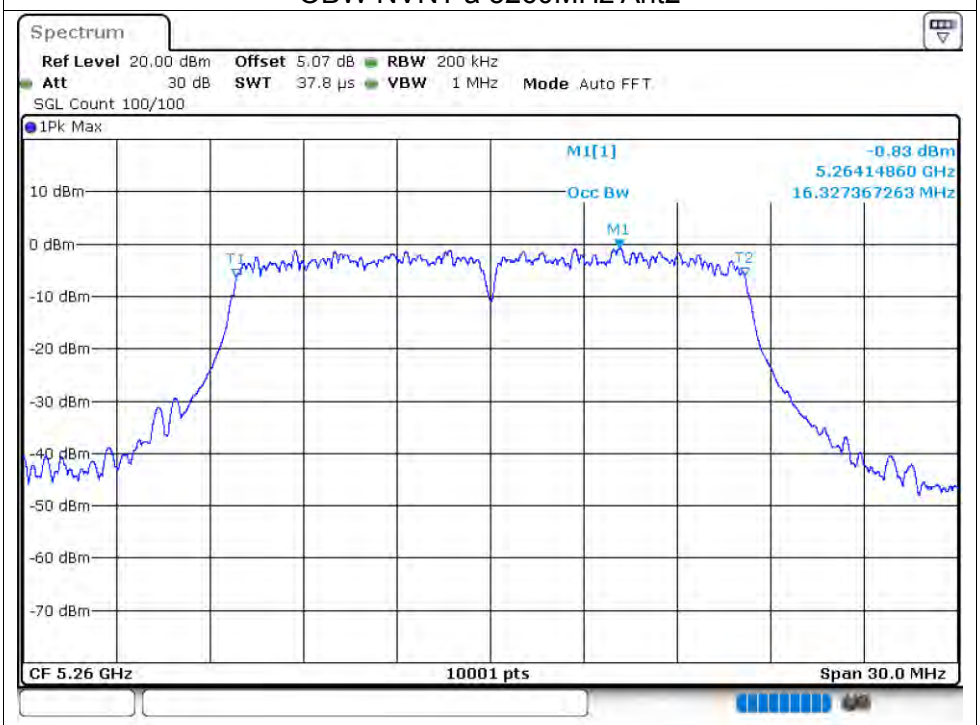
OBW NVNT a 5260MHz Ant1

OBW NVNT a 5280MHz Ant1

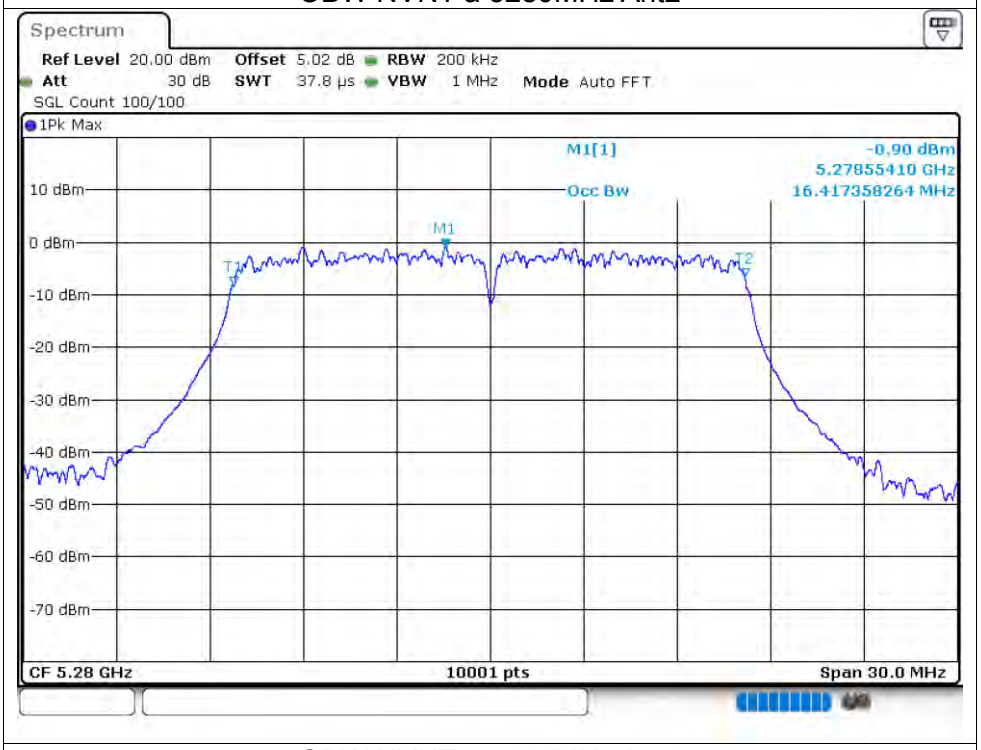
OBW NVNT a 5320MHz Ant1



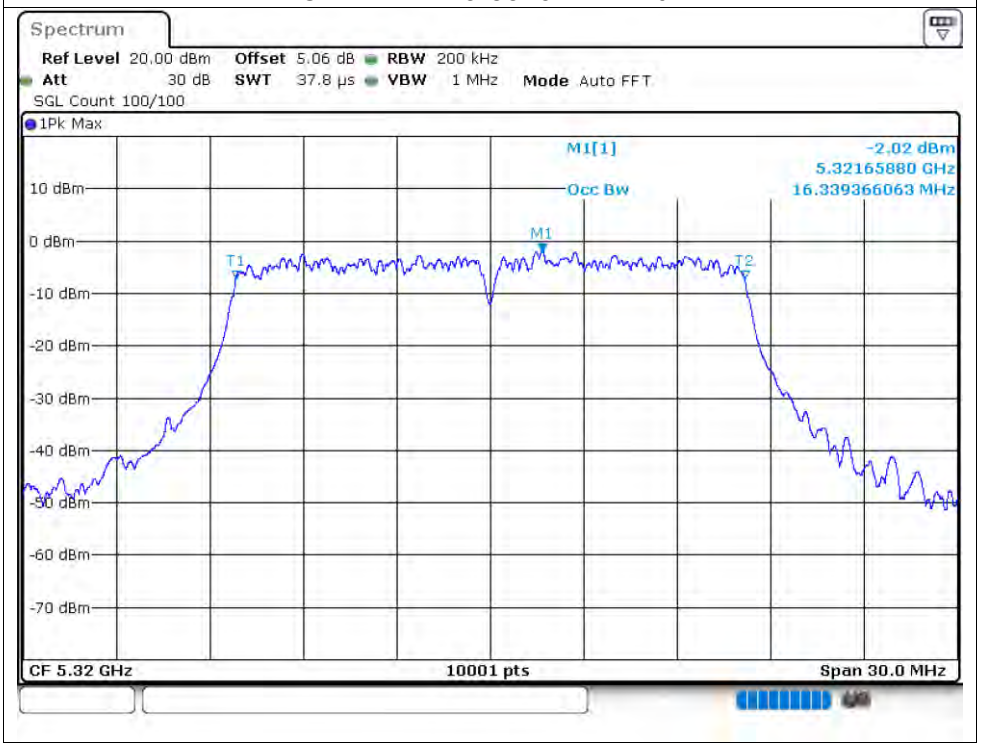
OBW NVNT a 5260MHz Ant2



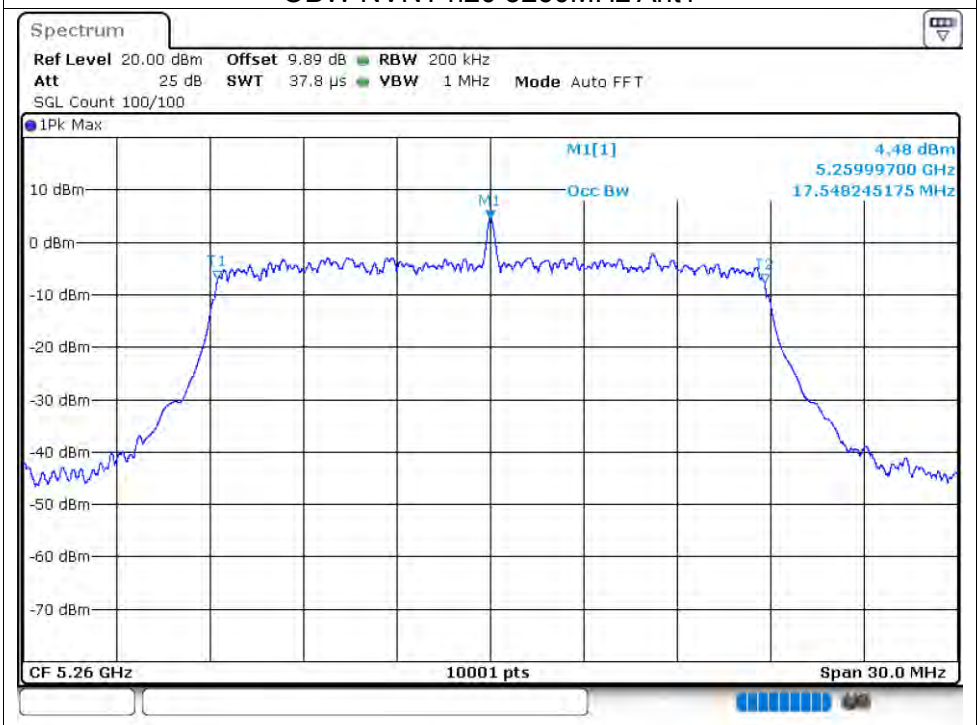
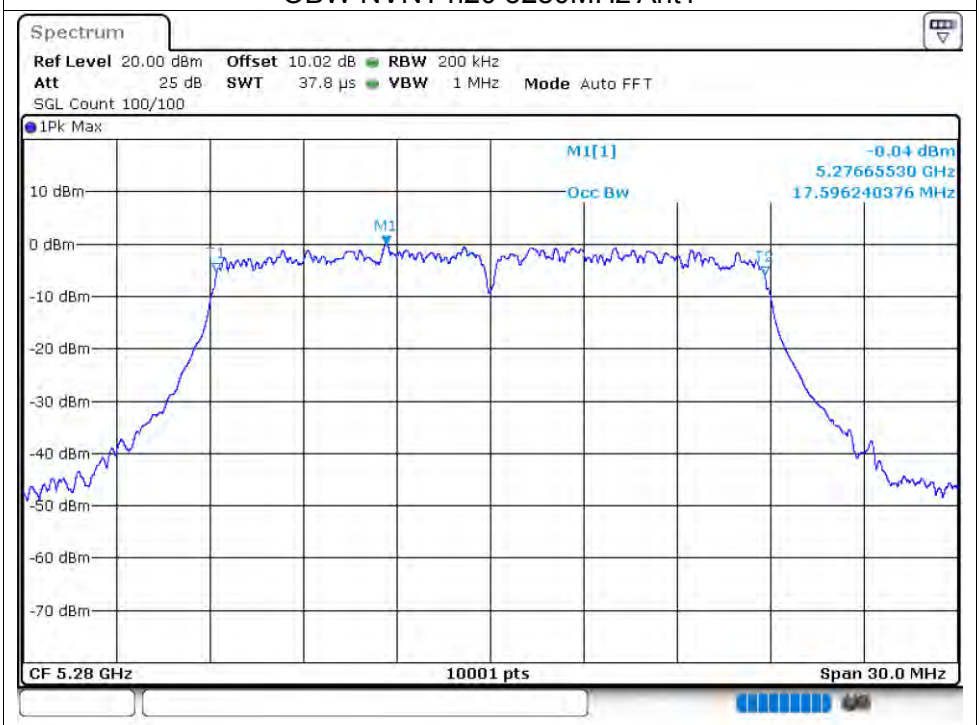
OBW NVNT a 5280MHz Ant2



OBW NVNT a 5320MHz Ant2



OBW NVNT n20 5260MHz Ant1



OBW NVNT n20 5280MHz Ant1