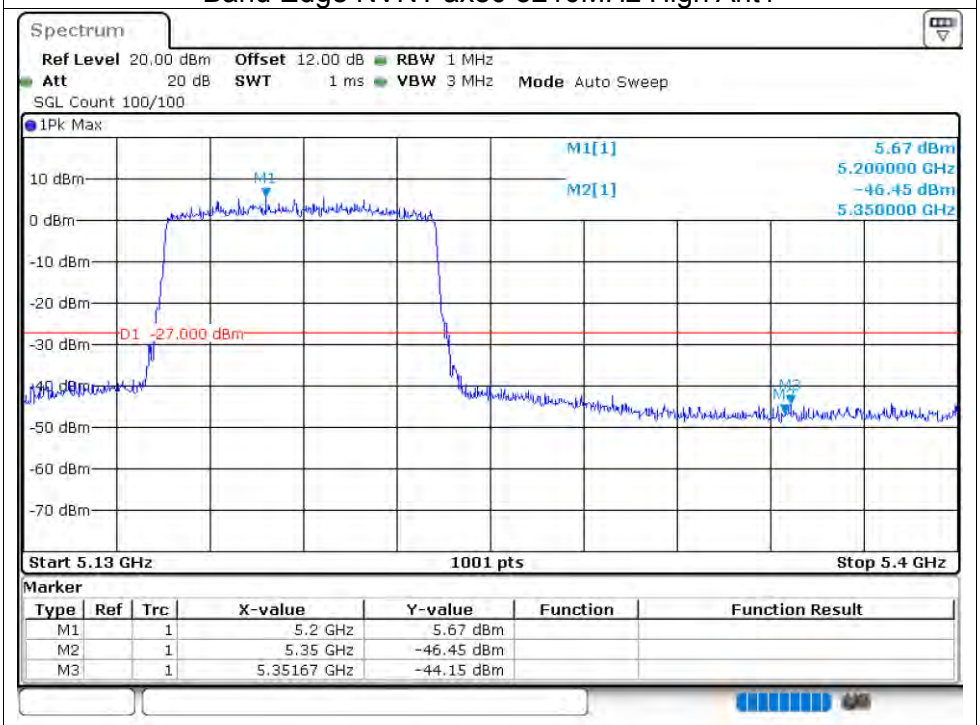
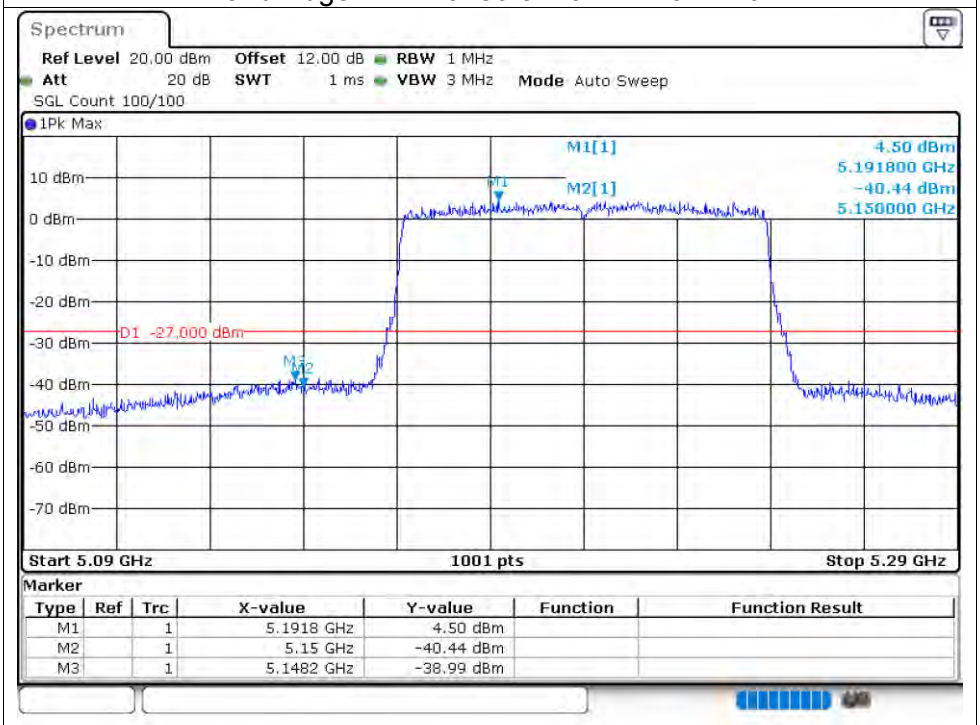
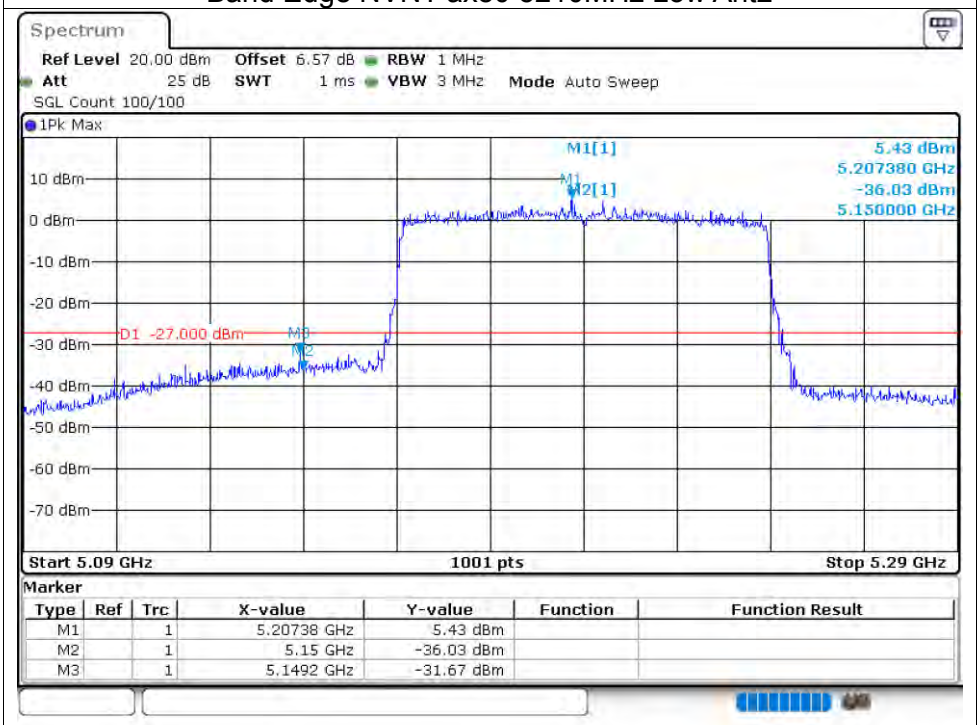
Band Edge NVNT ax80 5210MHz High Ant1



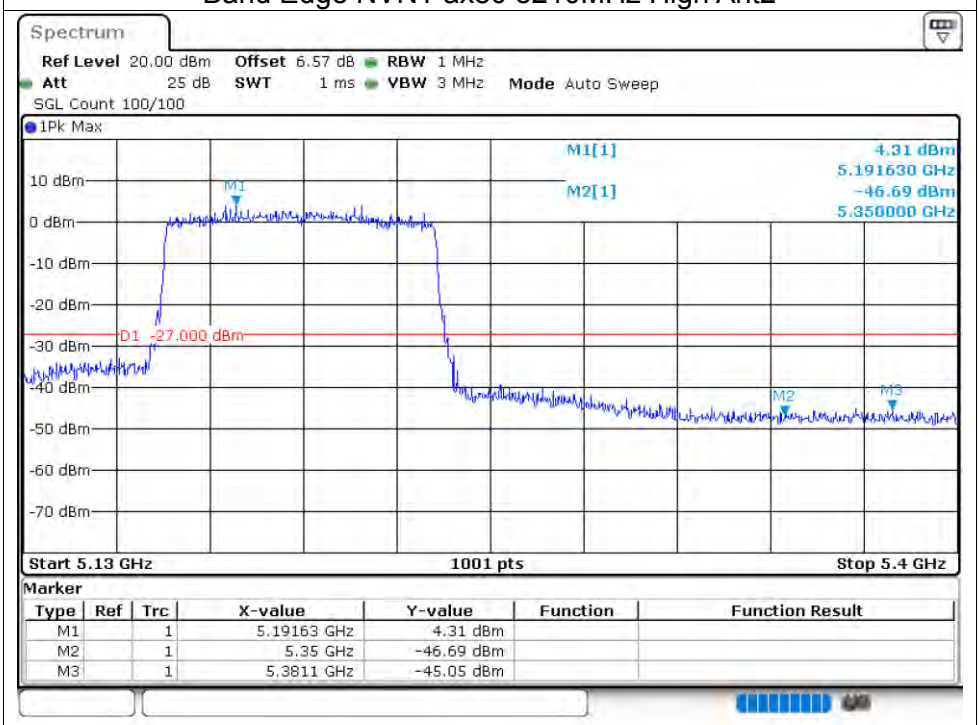
Band Edge NVNT ax80 5210MHz Low Ant1



Band Edge NVNT ax80 5210MHz Low Ant2



Band Edge NVNT ax80 5210MHz High Ant2

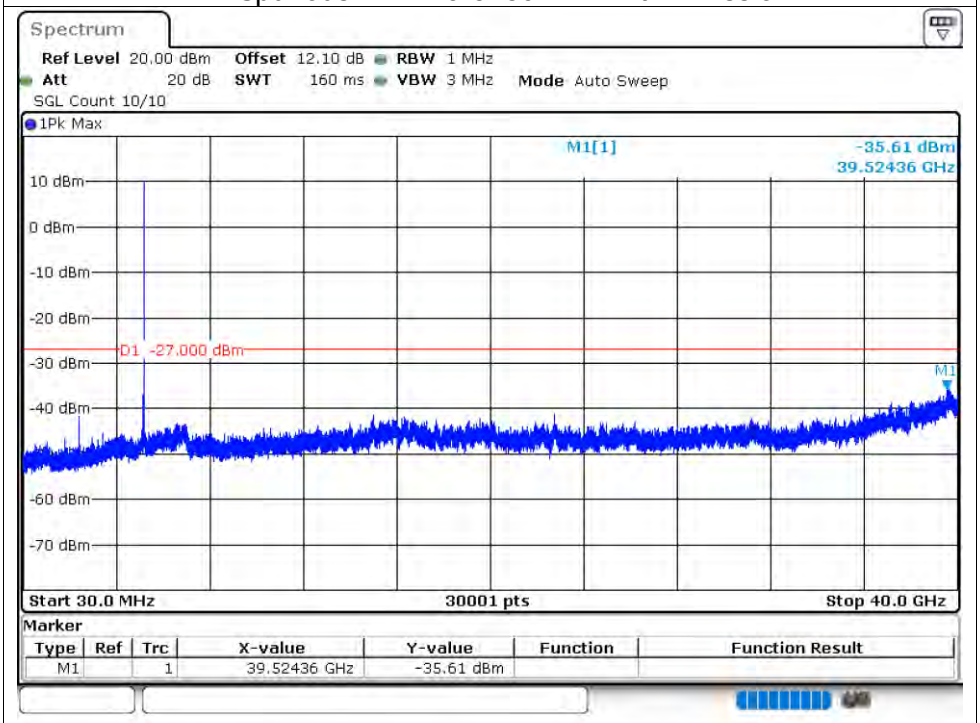


7.1.7 CONDUCTED RF SPURIOUS EMISSION

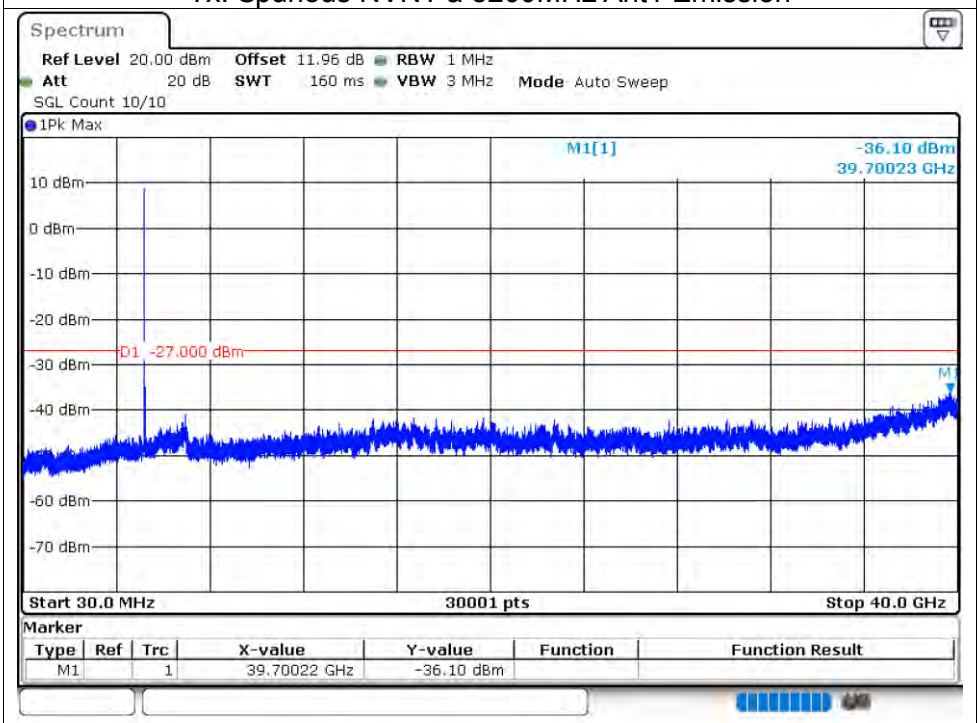
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-35.61	-27	Pass
NVNT	a	5200	Ant1	-36.09	-27	Pass
NVNT	a	5240	Ant1	-35.4	-27	Pass
NVNT	a	5180	Ant2	-40.83	-27	Pass
NVNT	a	5200	Ant2	-39.41	-27	Pass
NVNT	a	5240	Ant2	-40.54	-27	Pass
NVNT	n20	5180	Ant1	-36.31	-27	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

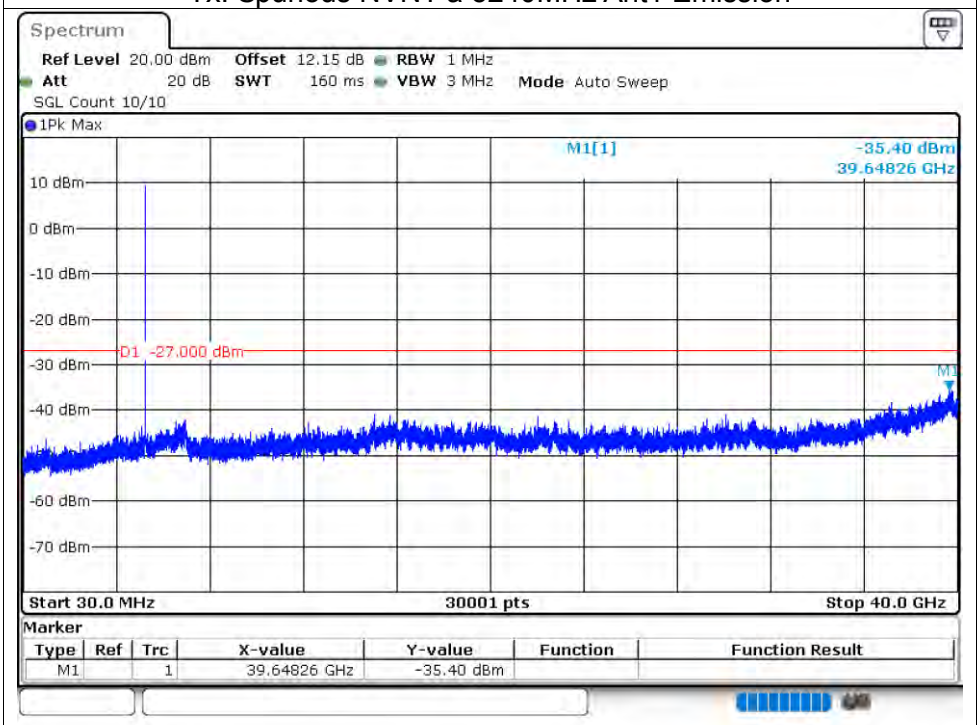
Tx. Spurious NVNT a 5180MHz Ant1 Emission



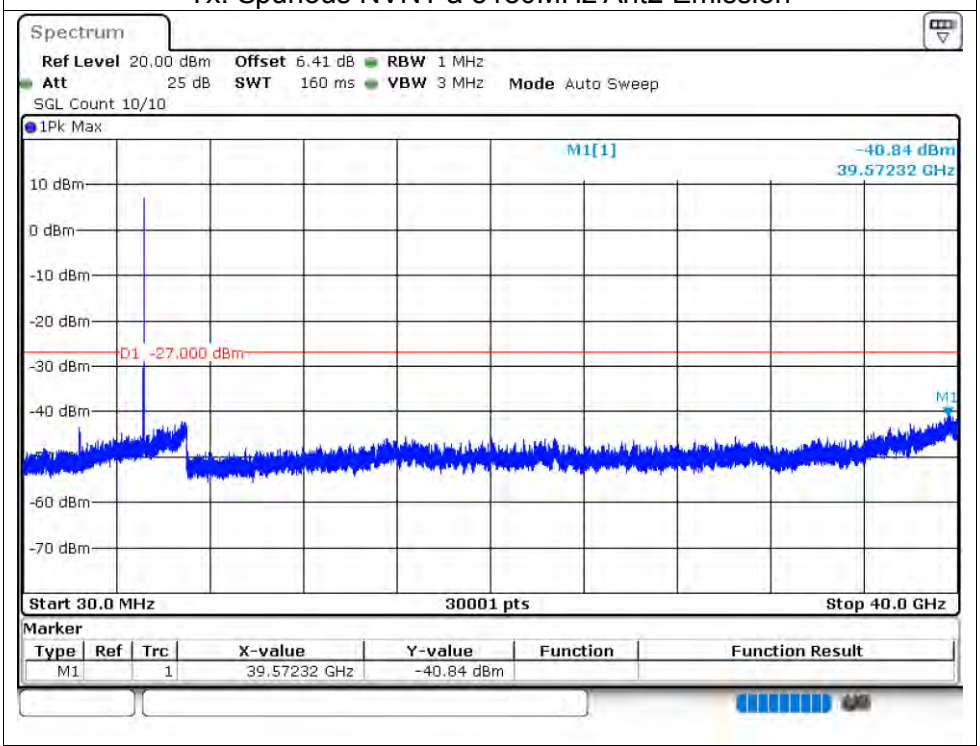
Tx. Spurious NVNT a 5200MHz Ant1 Emission



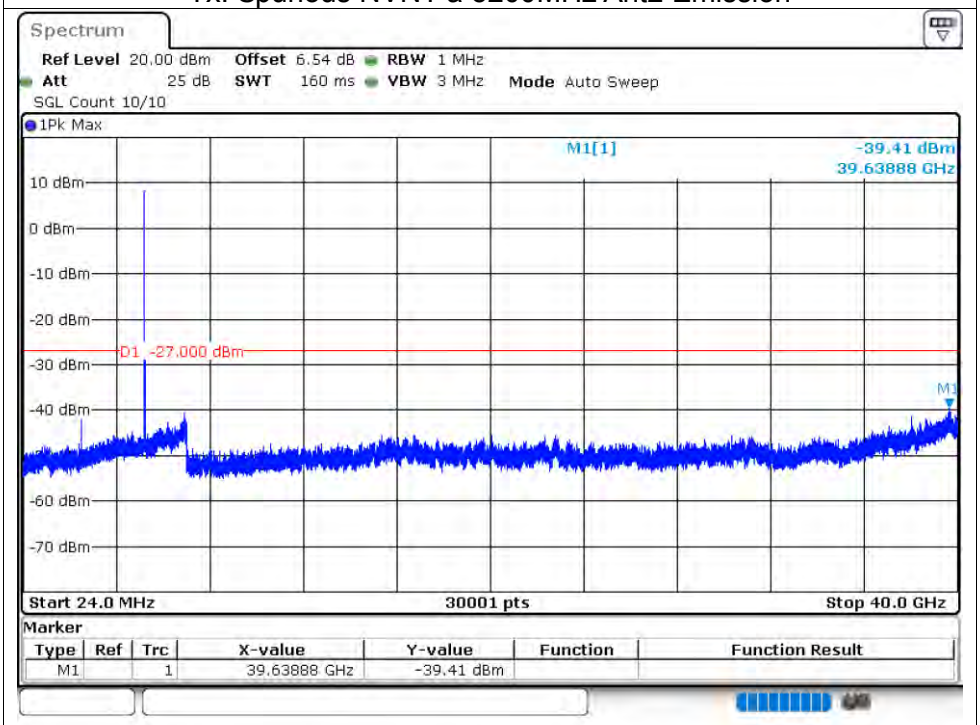
Tx. Spurious NVNT a 5240MHz Ant1 Emission



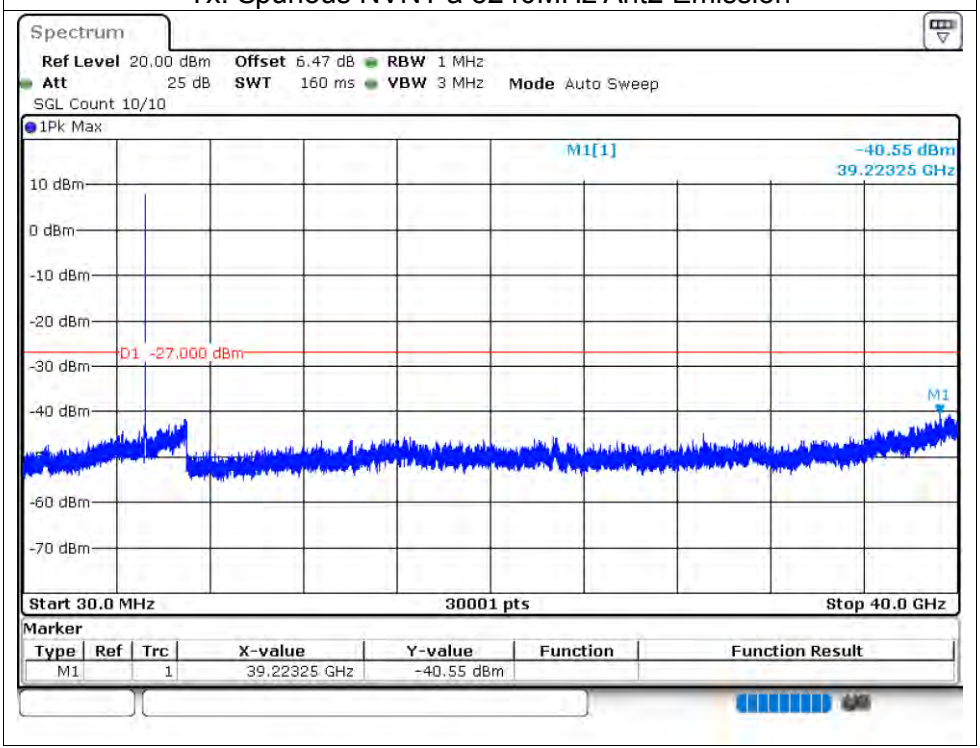
Tx. Spurious NVNT a 5180MHz Ant2 Emission



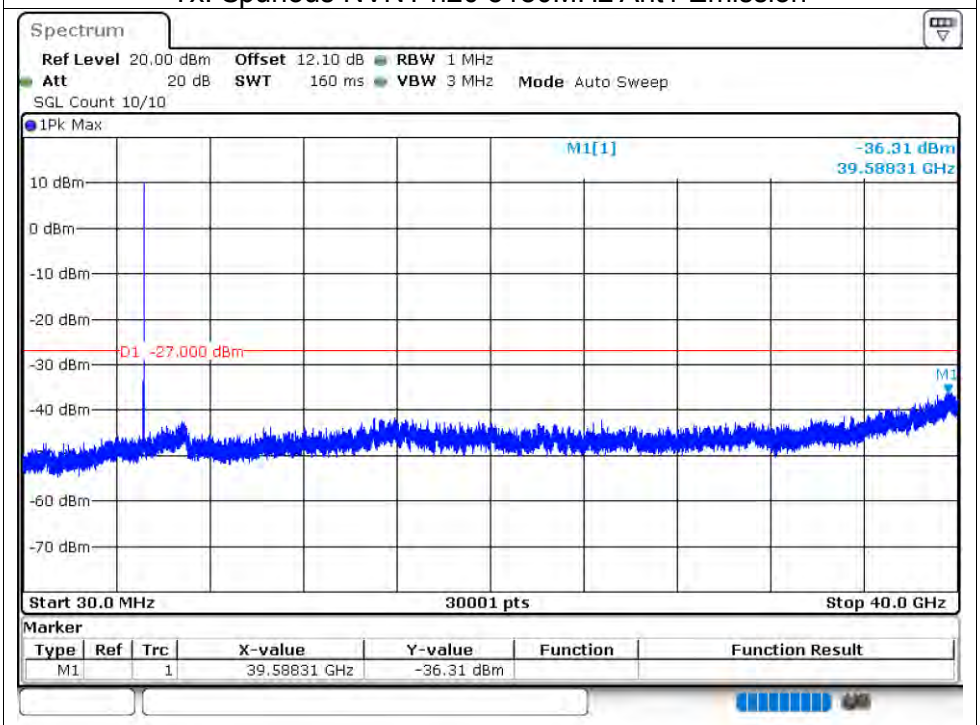
Tx. Spurious NVNT a 5200MHz Ant2 Emission



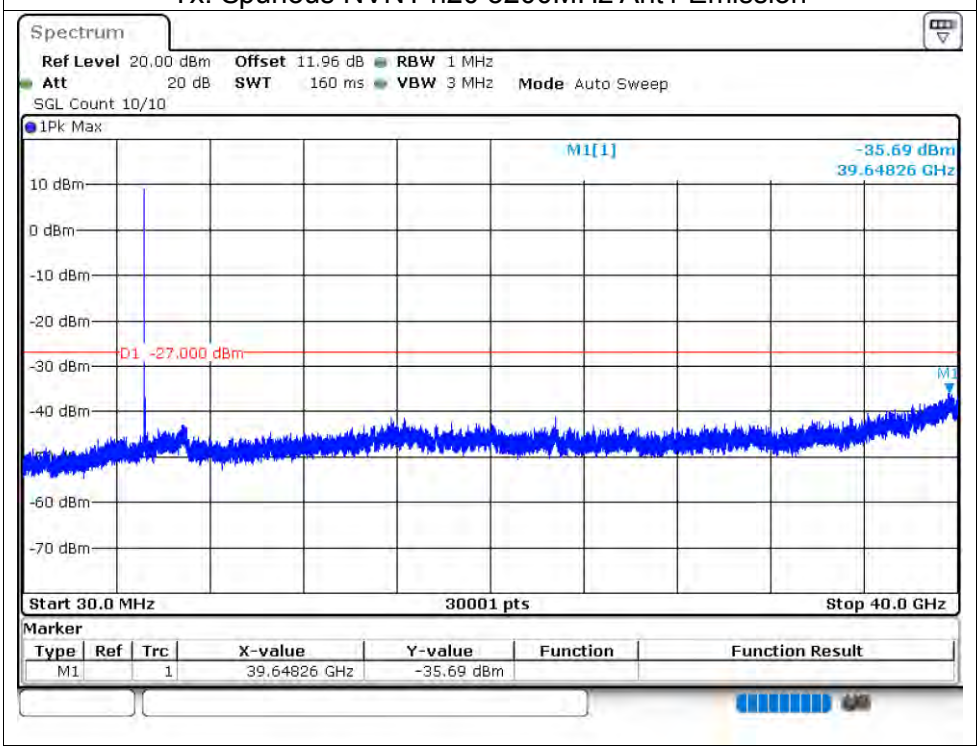
Tx. Spurious NVNT a 5240MHz Ant2 Emission



Tx. Spurious NVNT n20 5180MHz Ant1 Emission



Tx. Spurious NVNT n20 5200MHz Ant1 Emission



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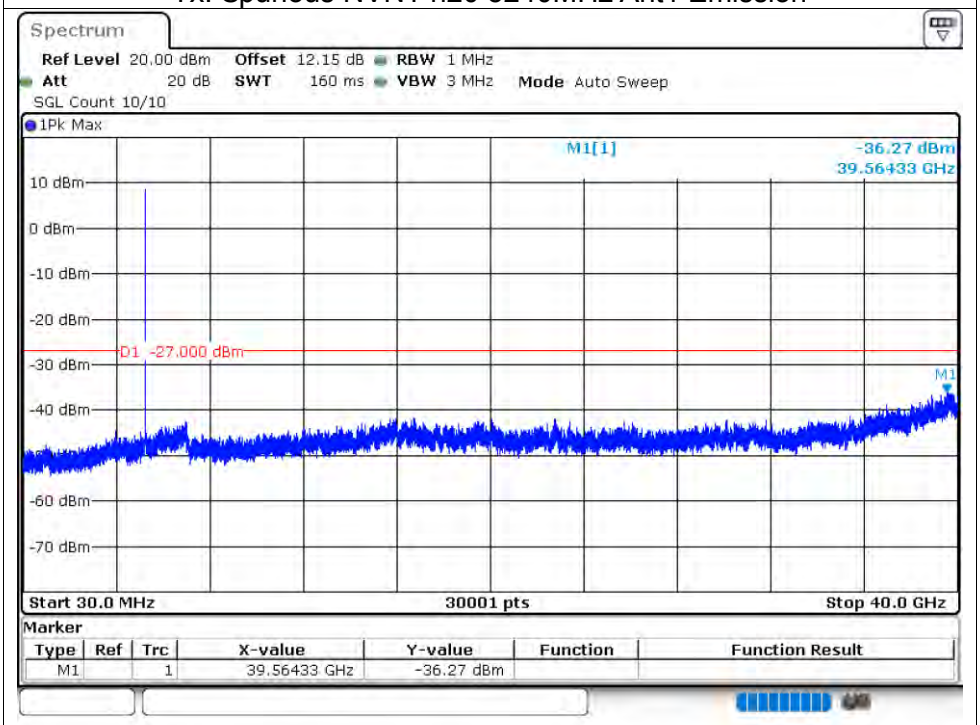

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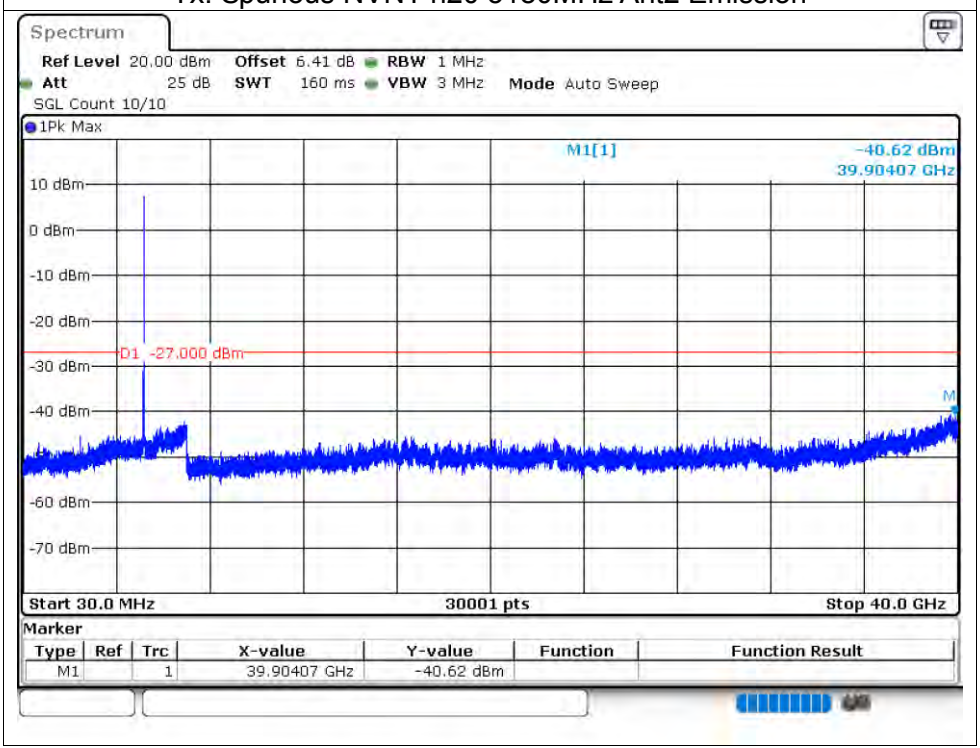

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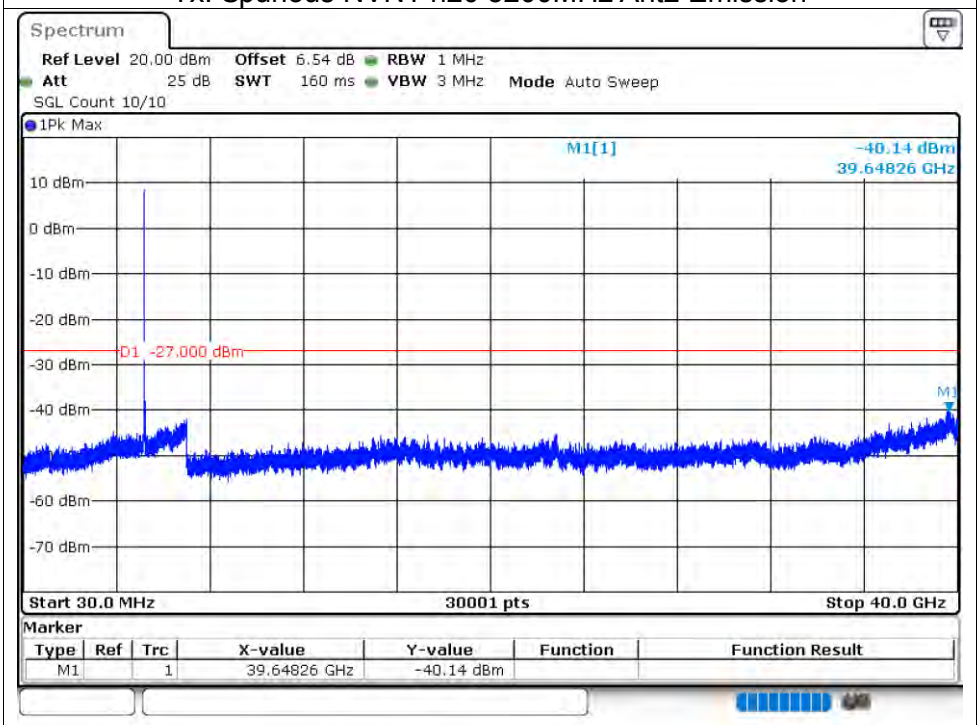
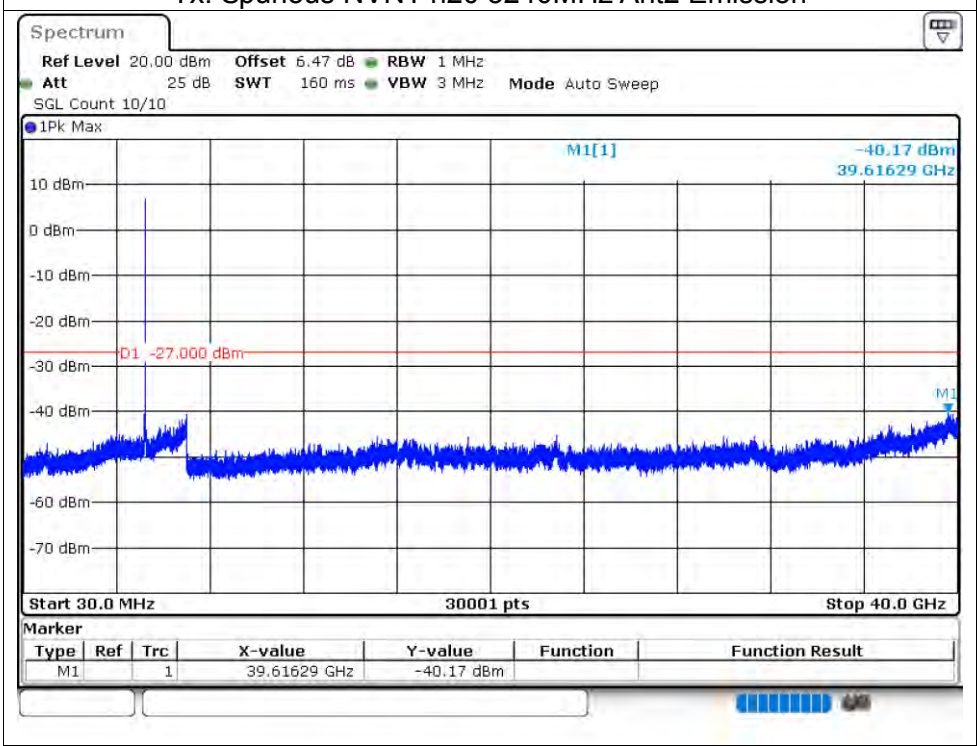
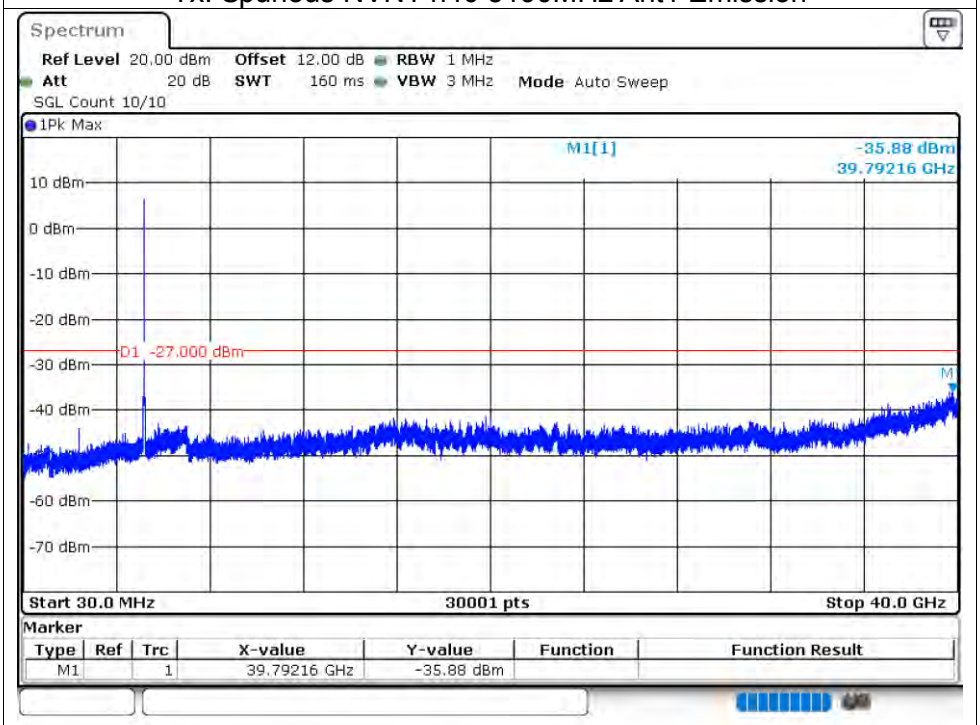


Tx. Spurious NVNT n20 5240MHz Ant2 Emission



Tx. Spurious NVNT n40 5190MHz Ant1 Emission



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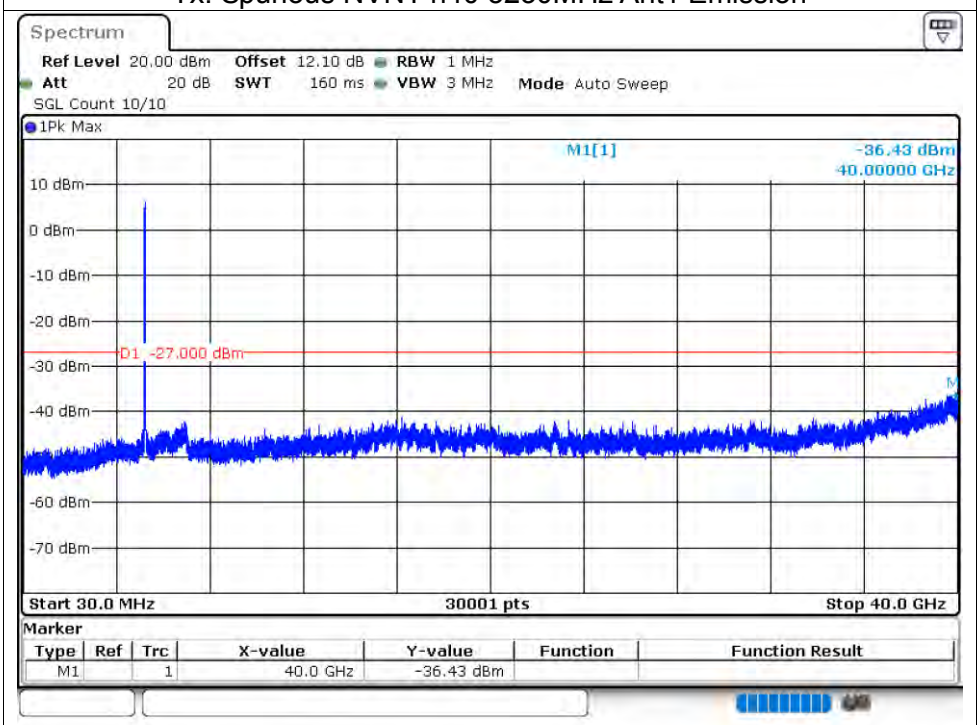
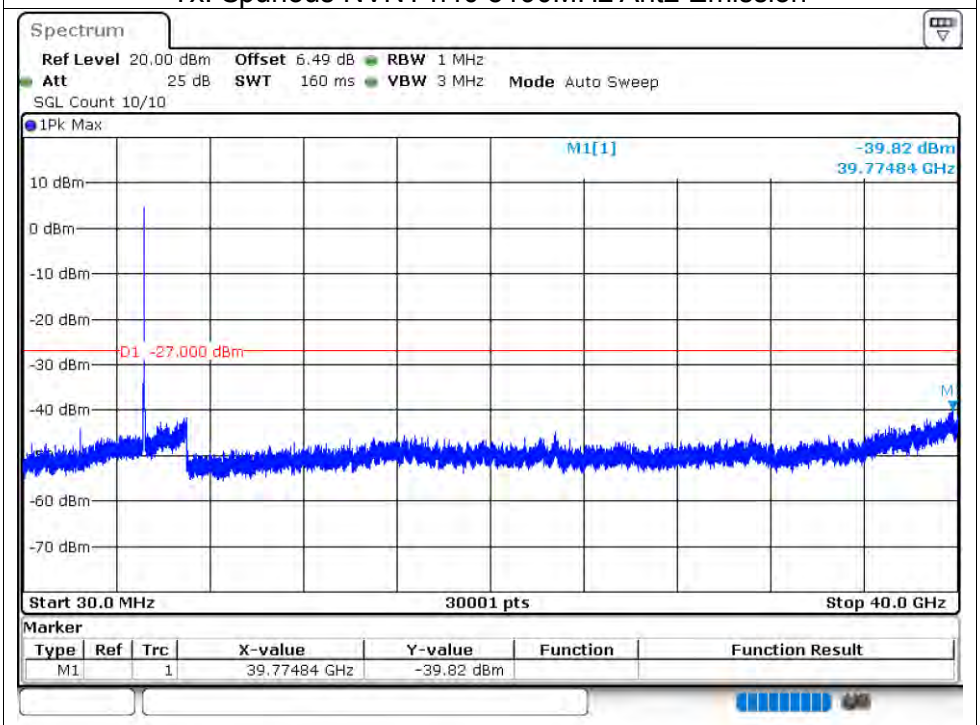


Tx. Spurious NVNT n40 5190MHz Ant2 Emission



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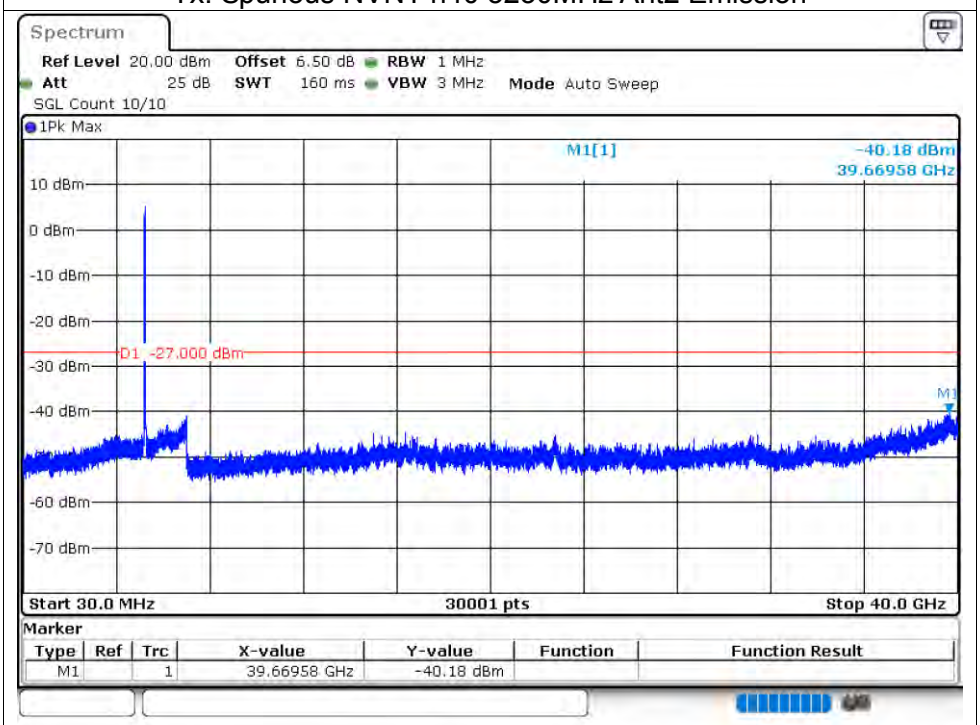
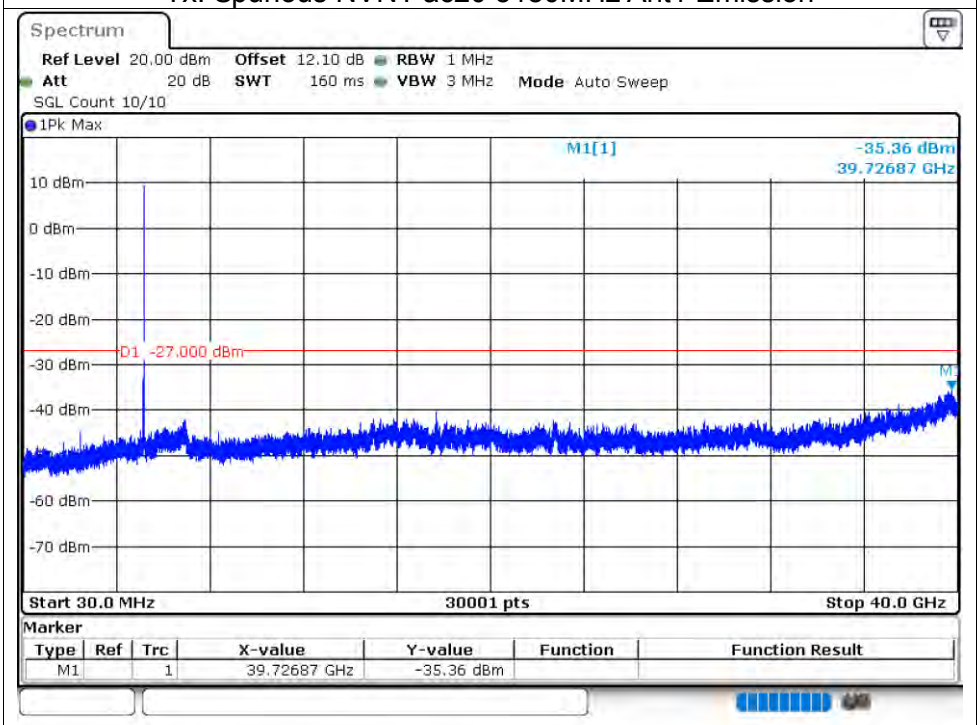
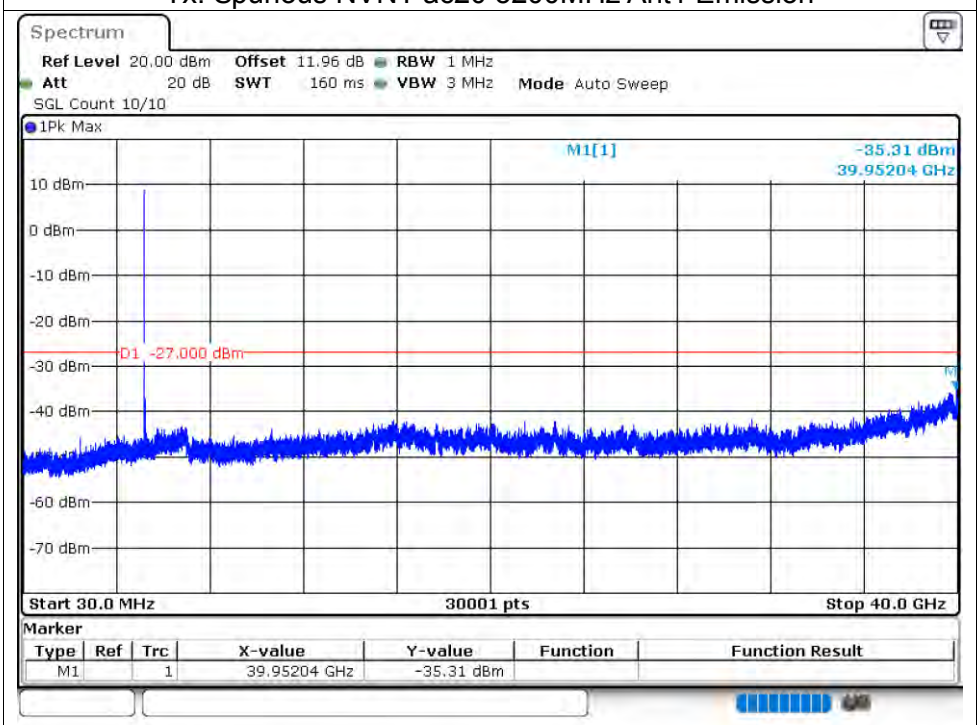


Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



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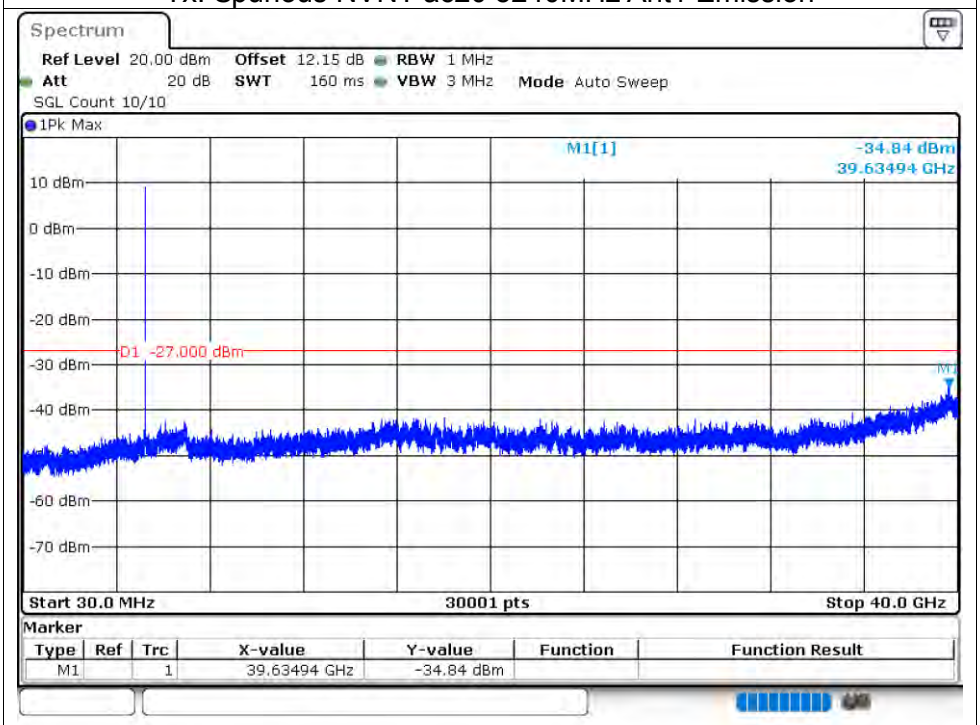

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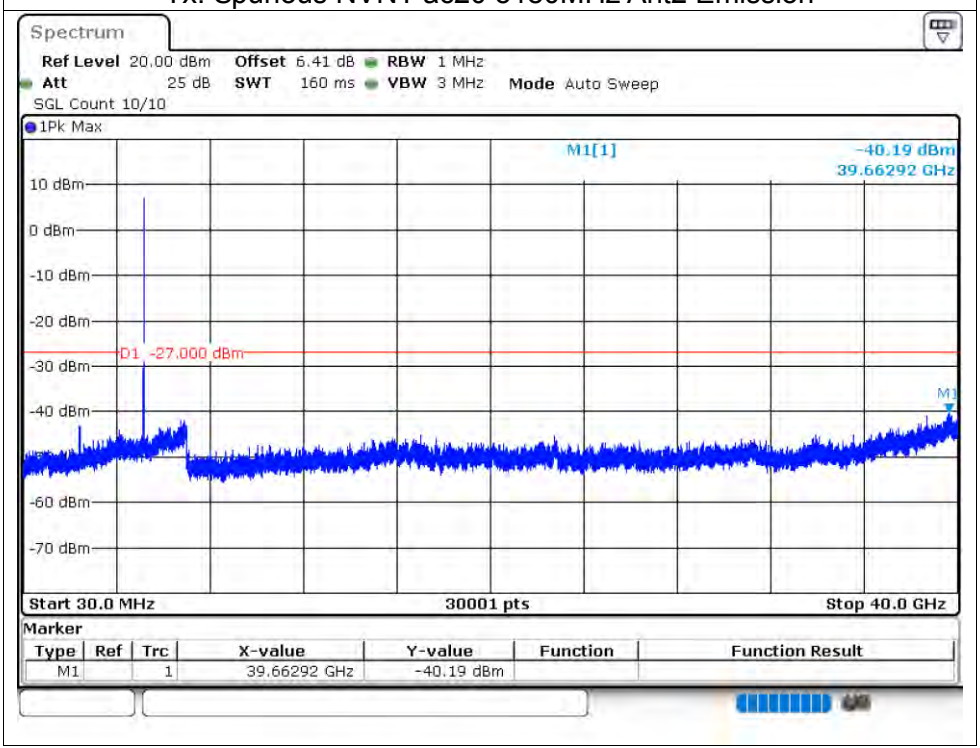
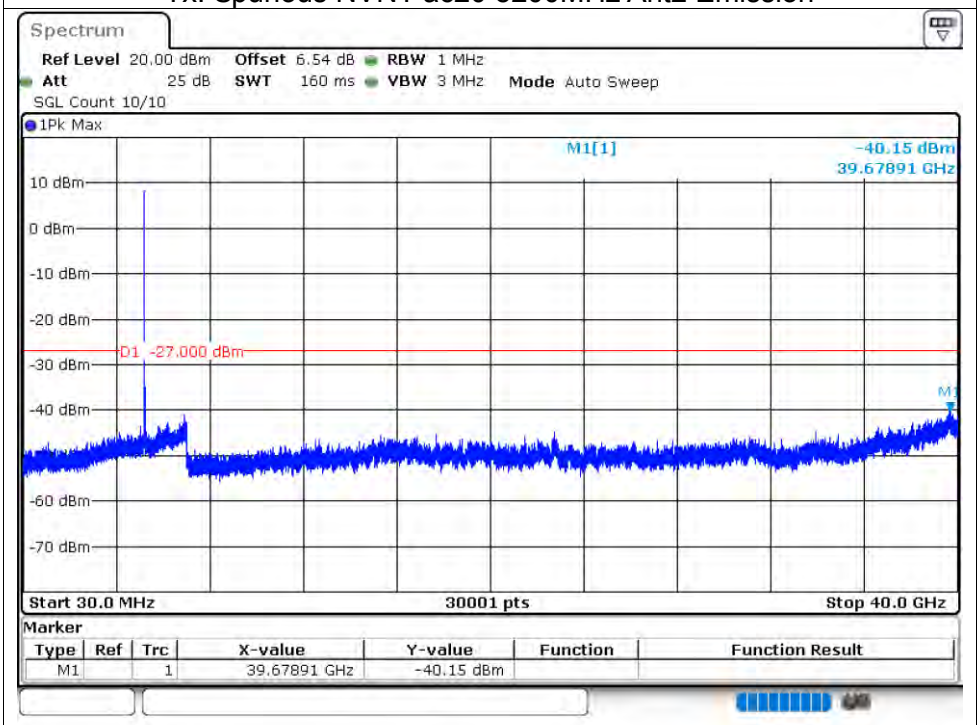
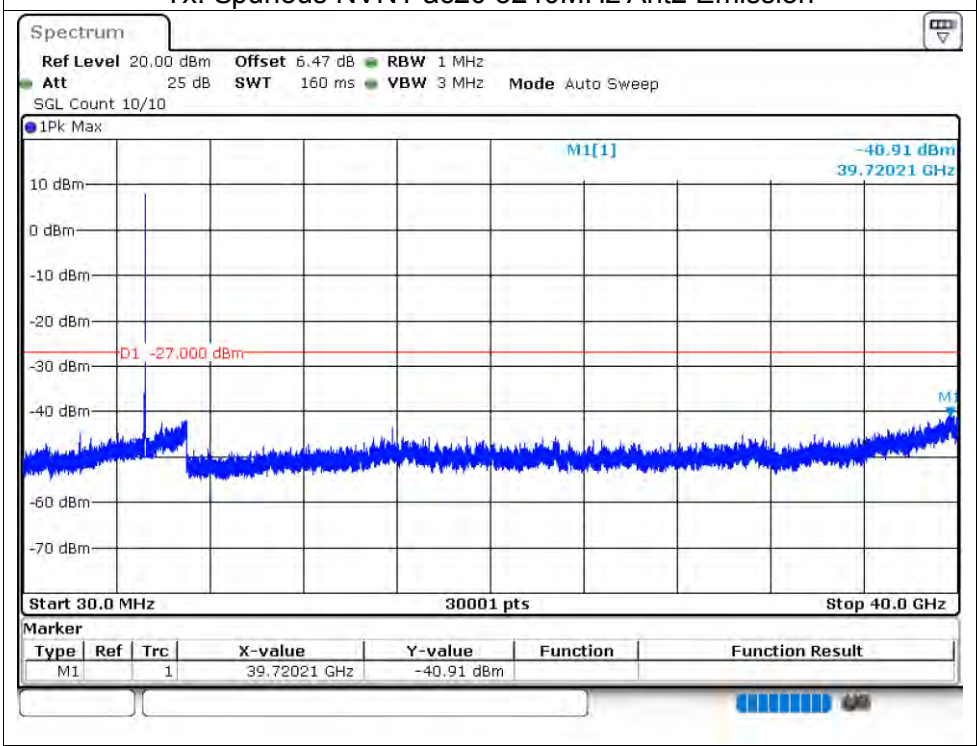


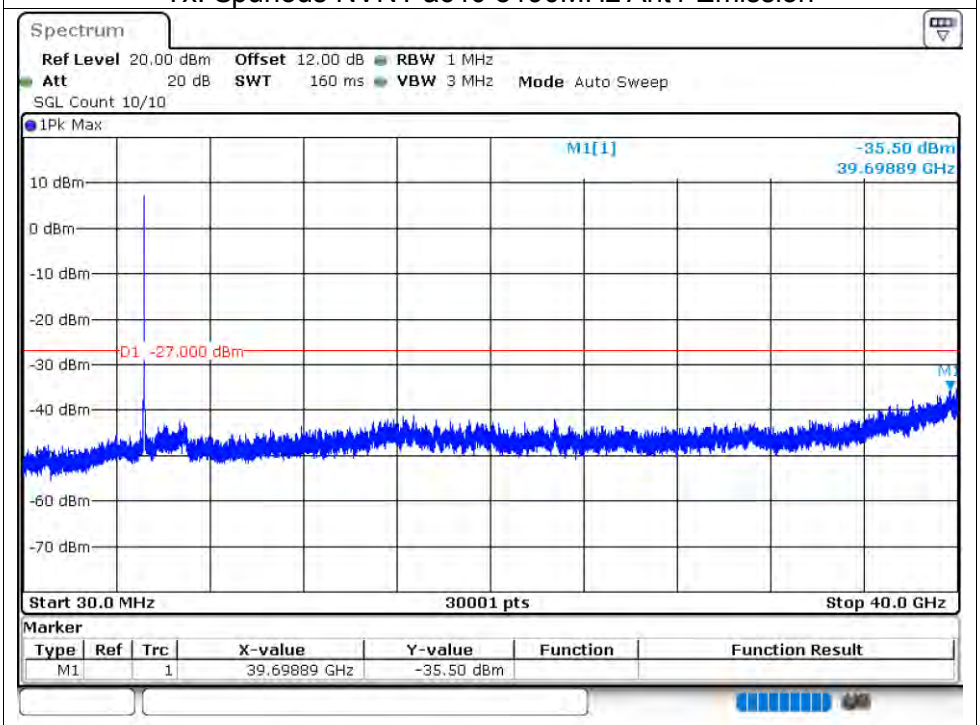
Tx. Spurious NVNT ac20 5200MHz Ant2 Emission



Tx. Spurious NVNT ac20 5240MHz Ant2 Emission



Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



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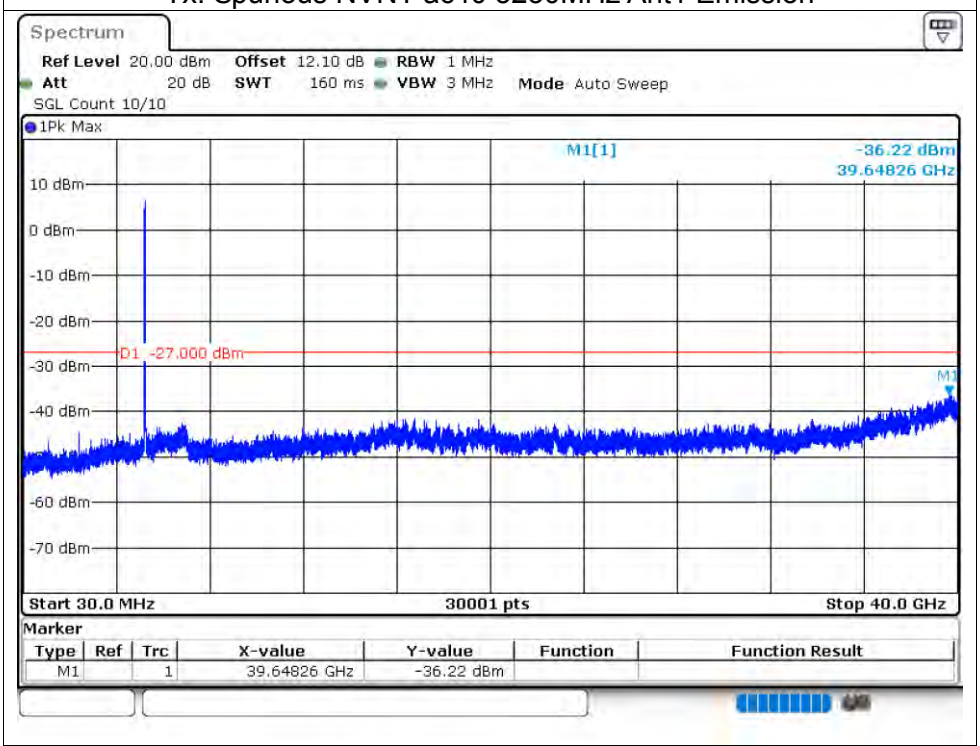

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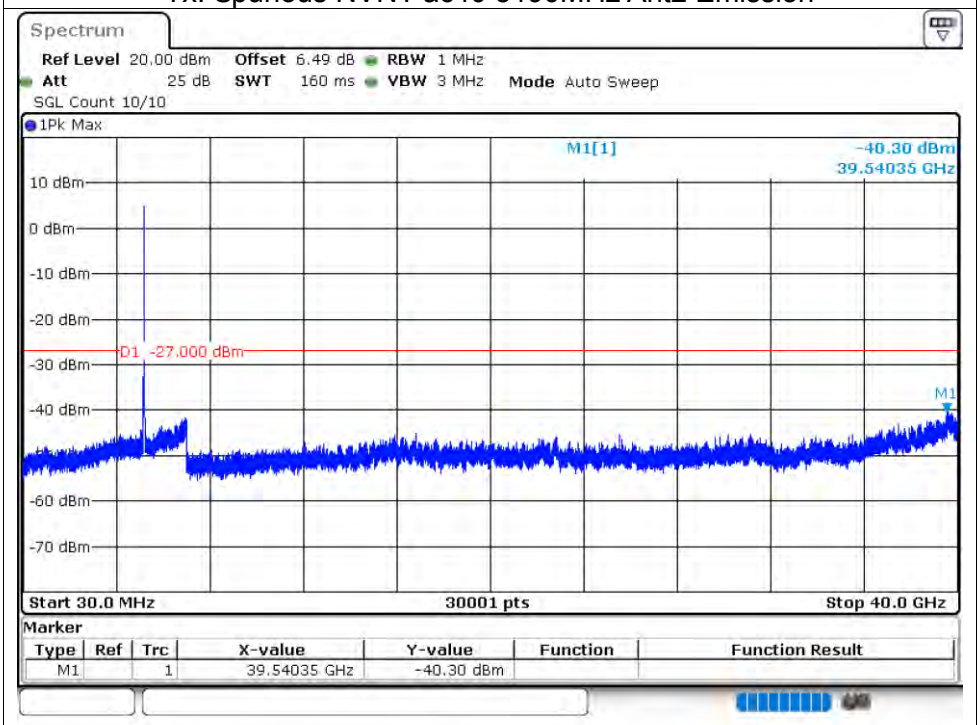

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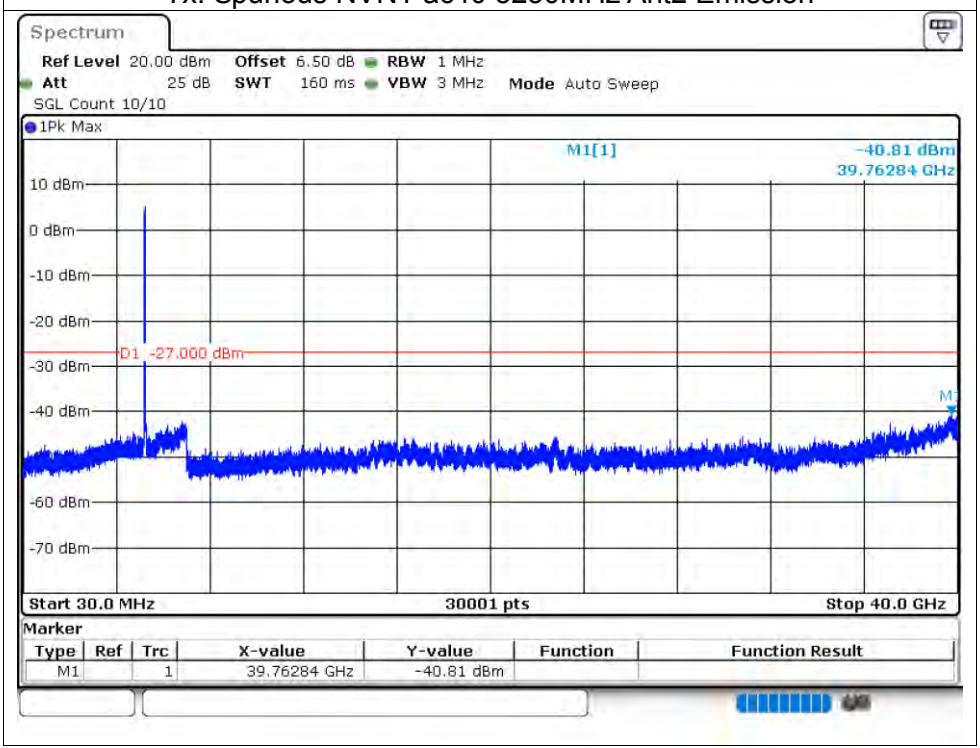

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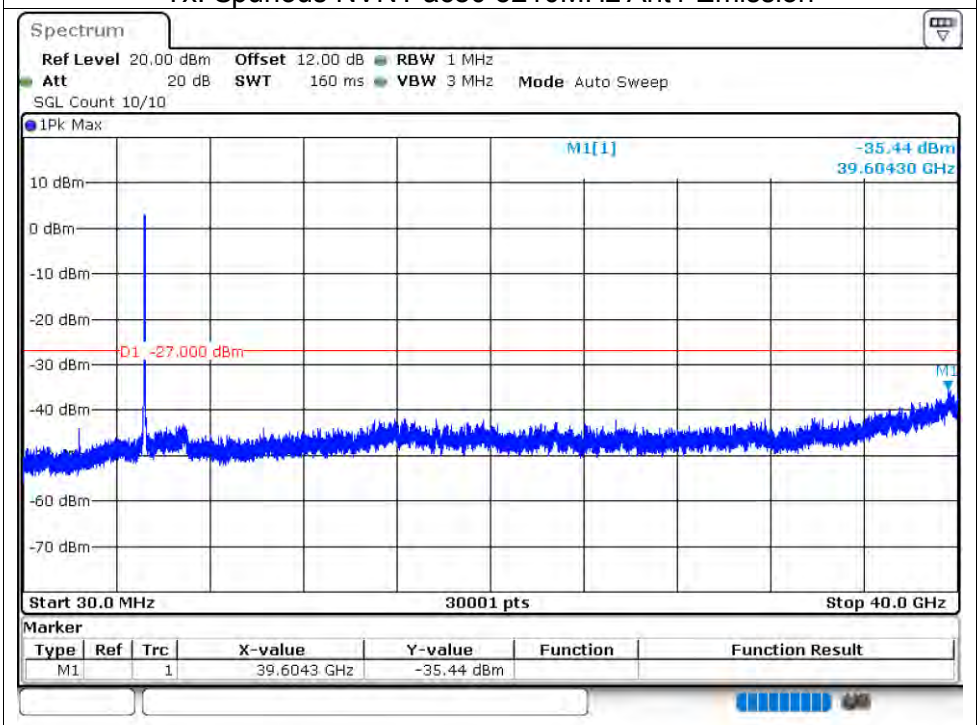

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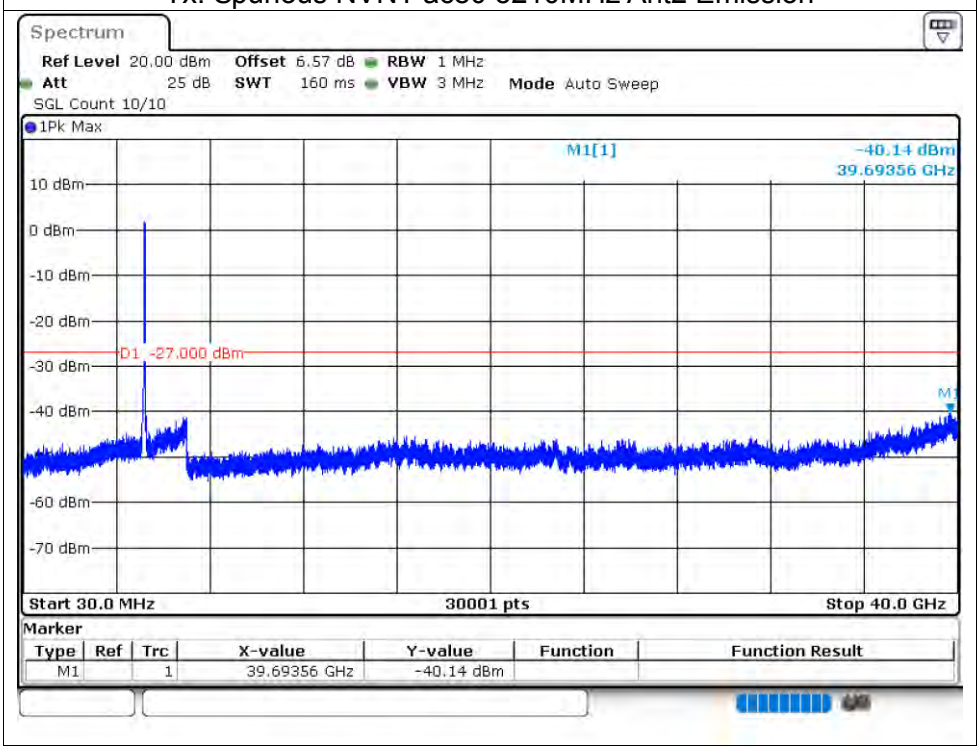
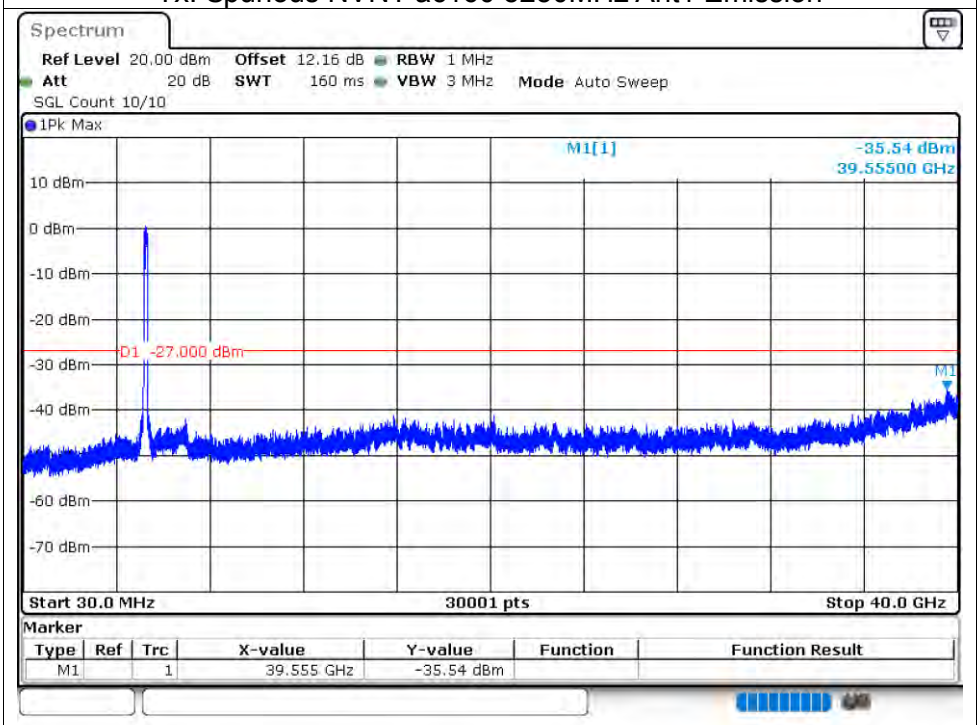


Tx. Spurious NVNT ac160 5250MHz Ant1 Emission



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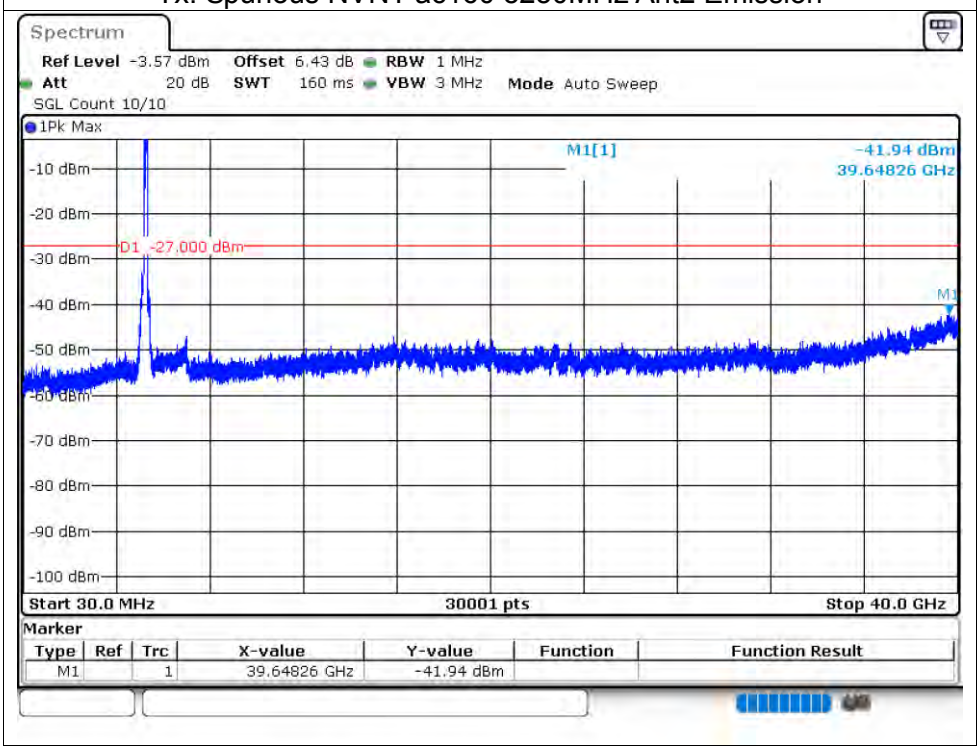
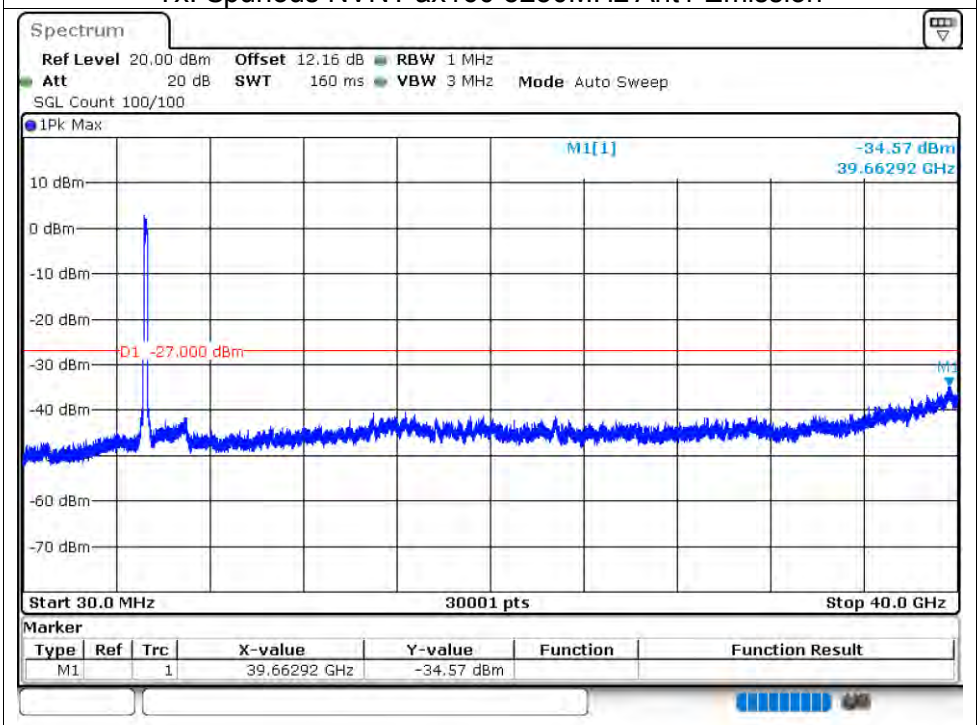
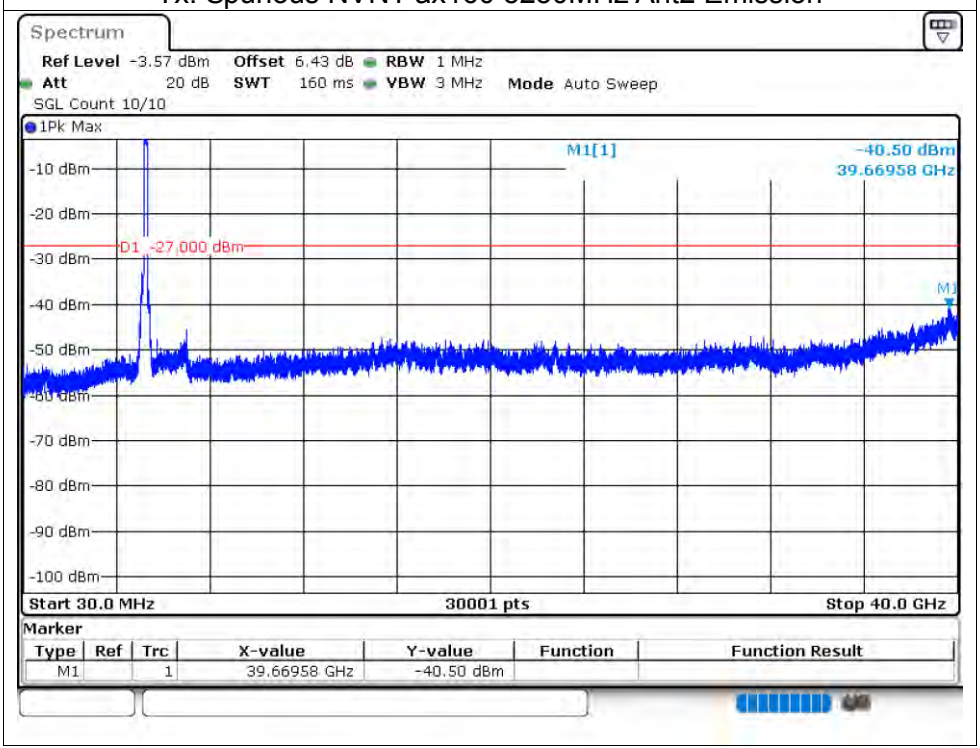


Tx. Spurious NVNT ax160 5250MHz Ant1 Emission



Tx. Spurious NVNT ax160 5250MHz Ant2 Emission



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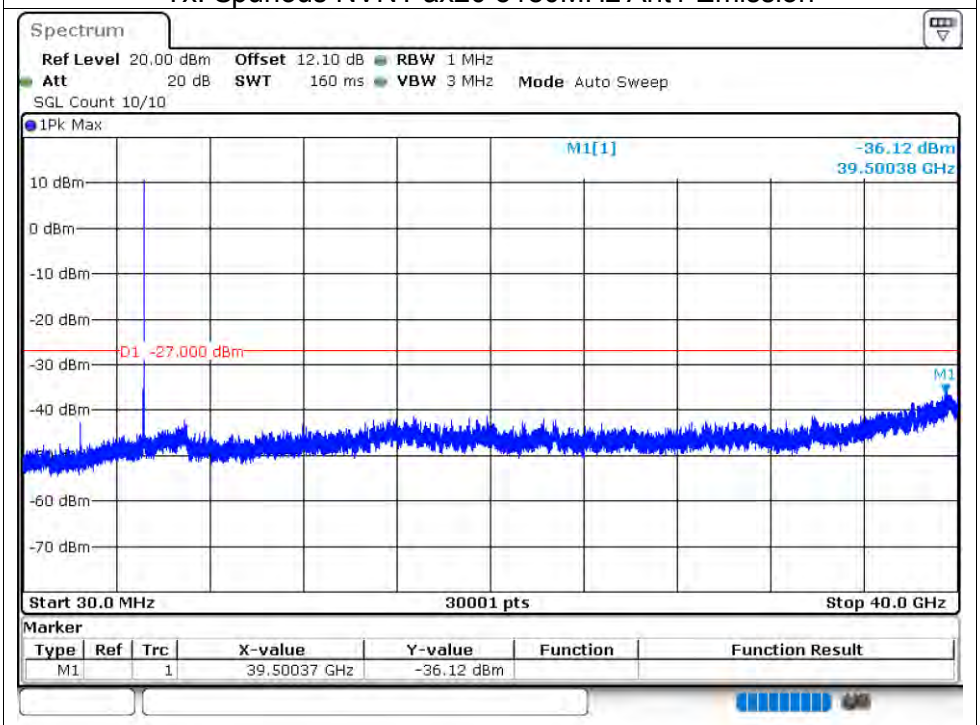

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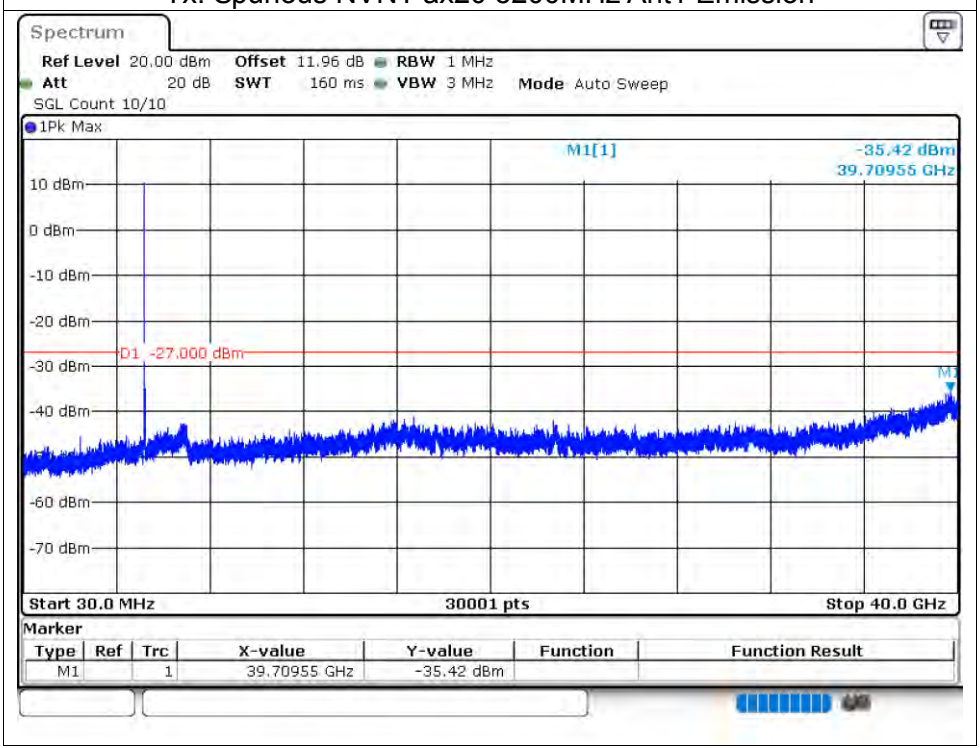

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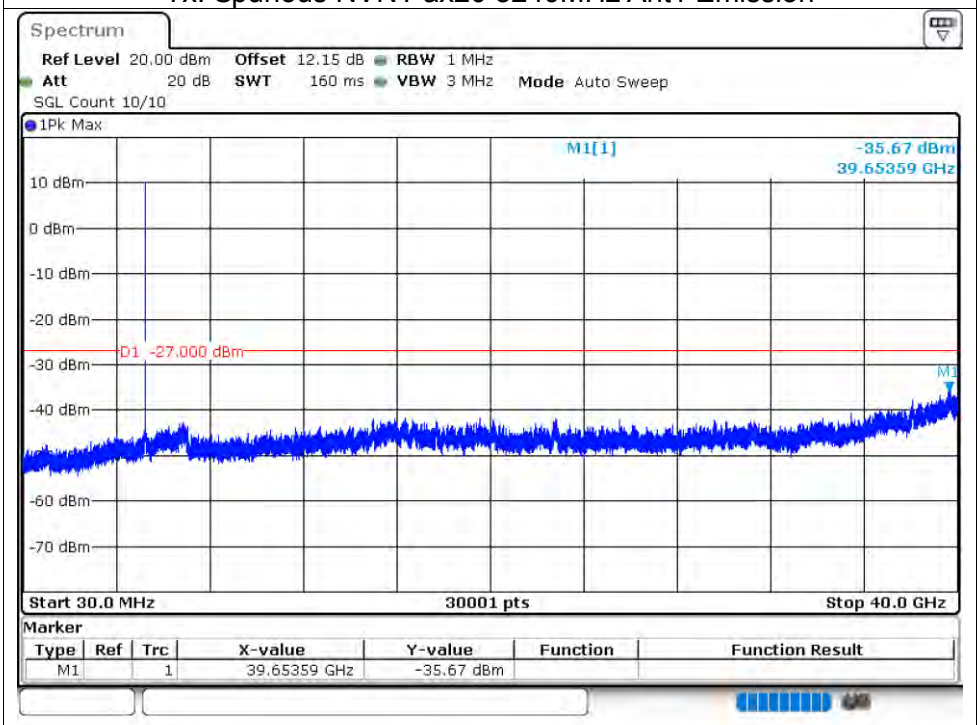

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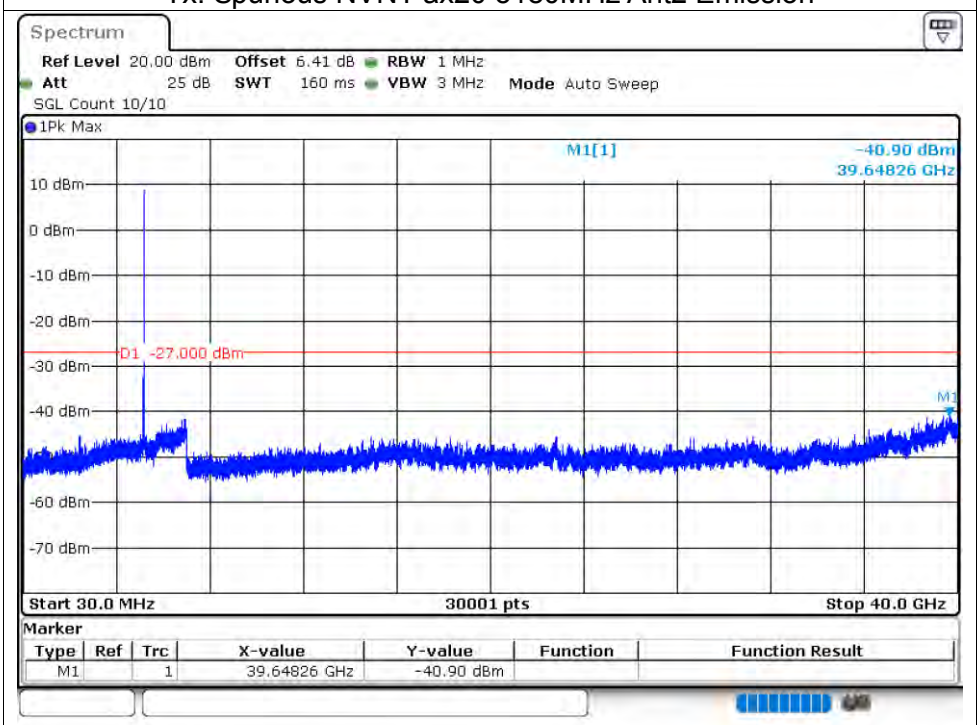
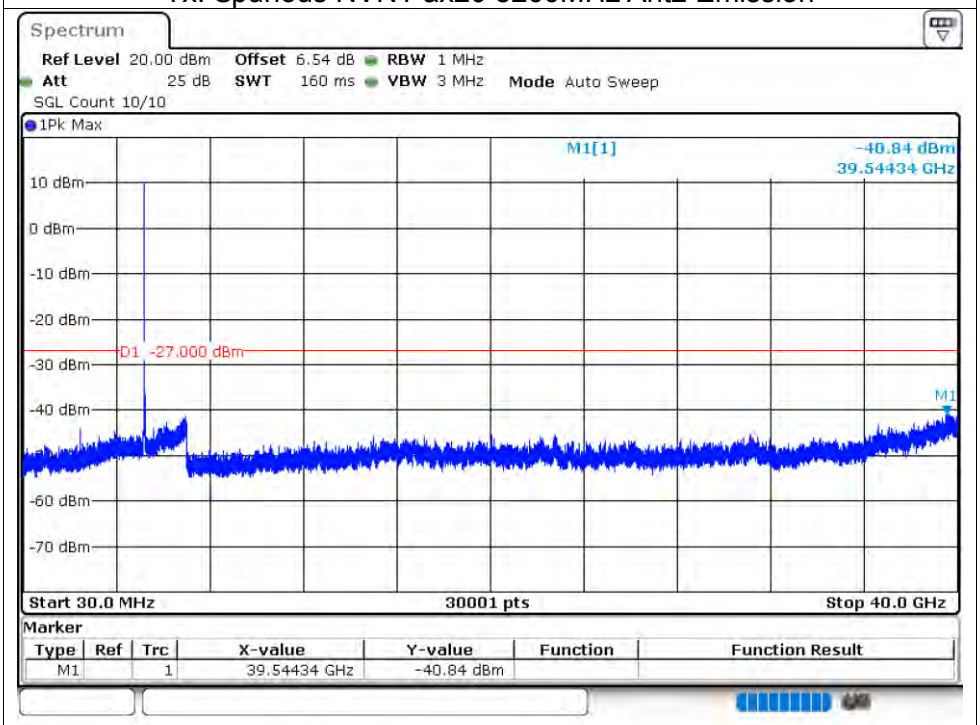
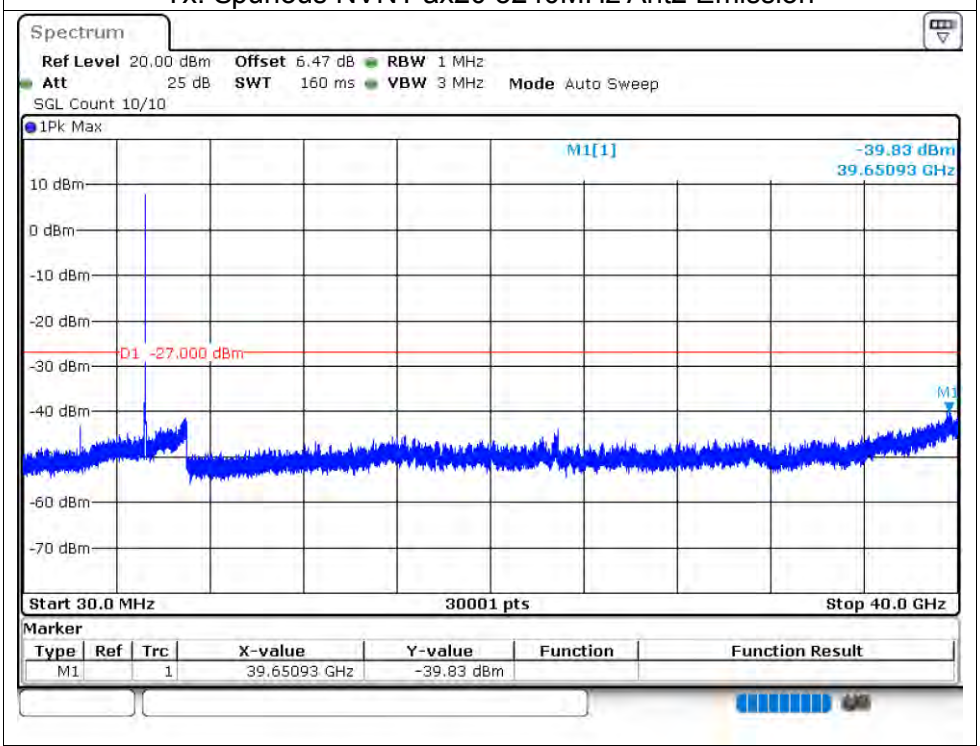


Tx. Spurious NVNT ax20 5200MHz Ant2 Emission



Tx. Spurious NVNT ax20 5240MHz Ant2 Emission



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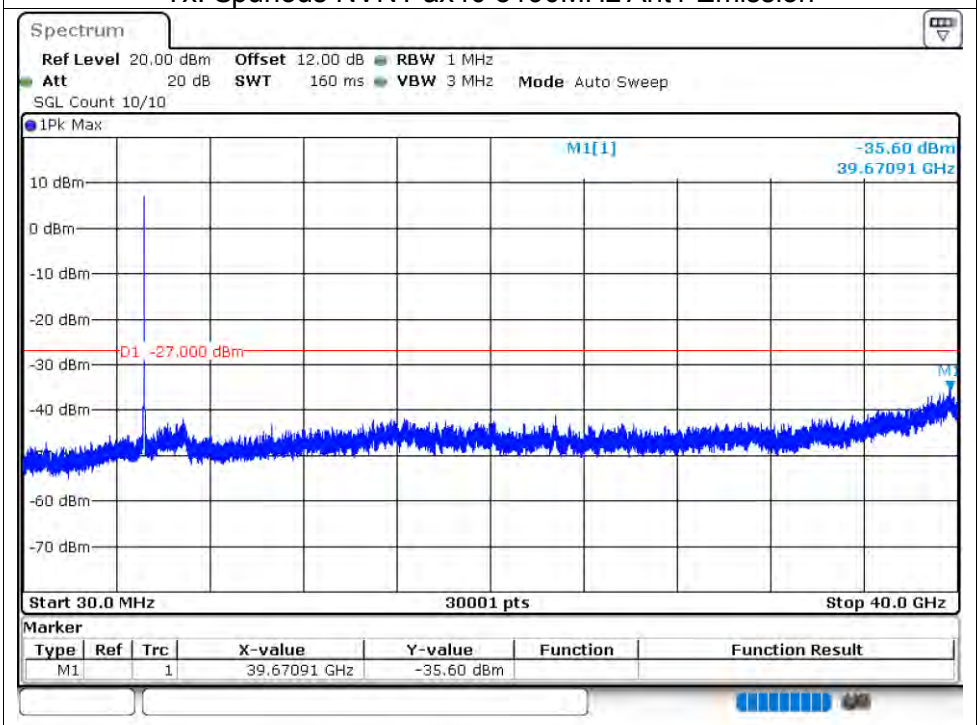

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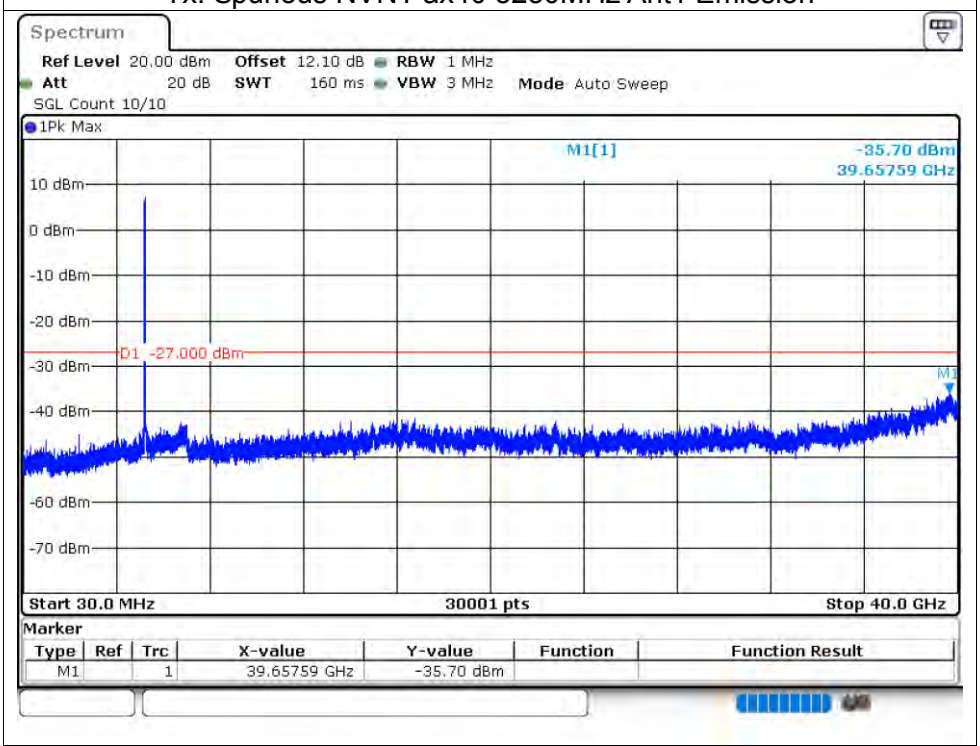
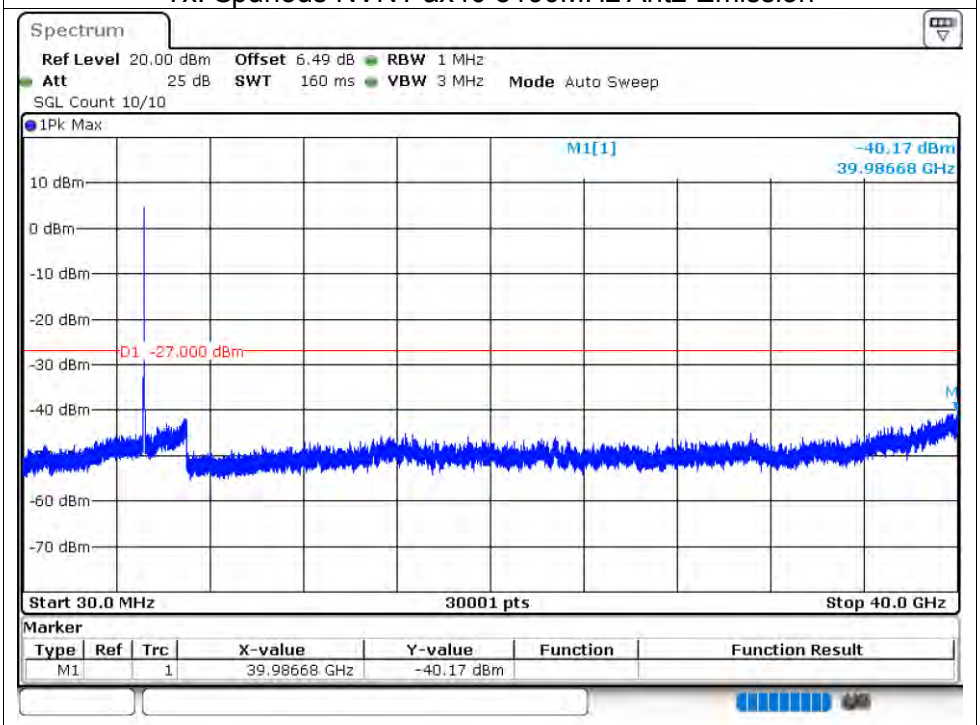
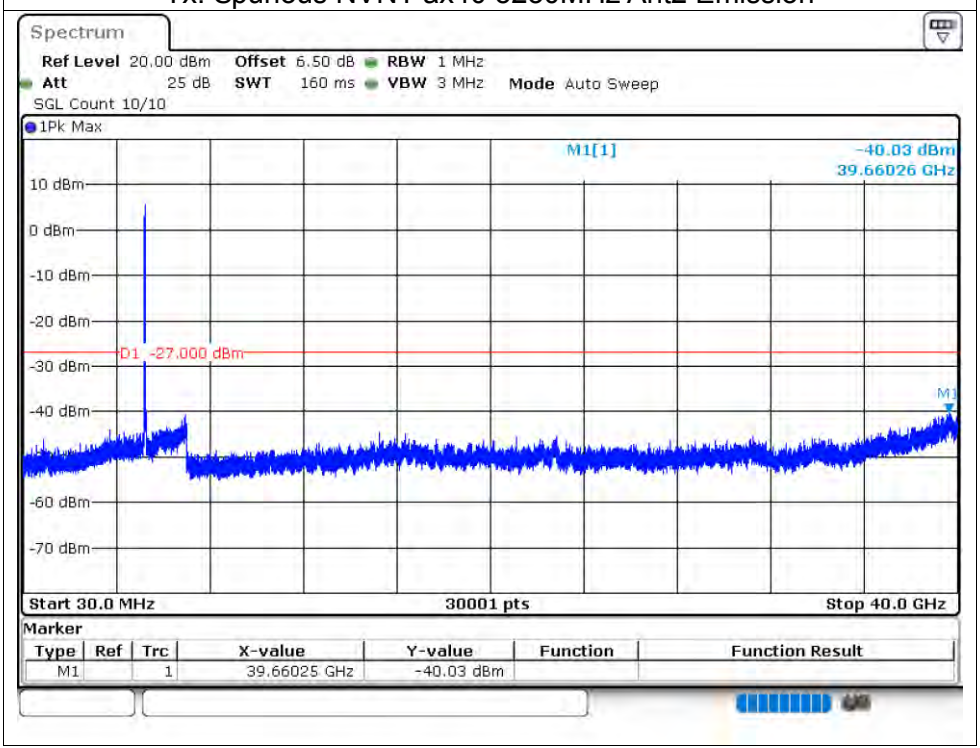


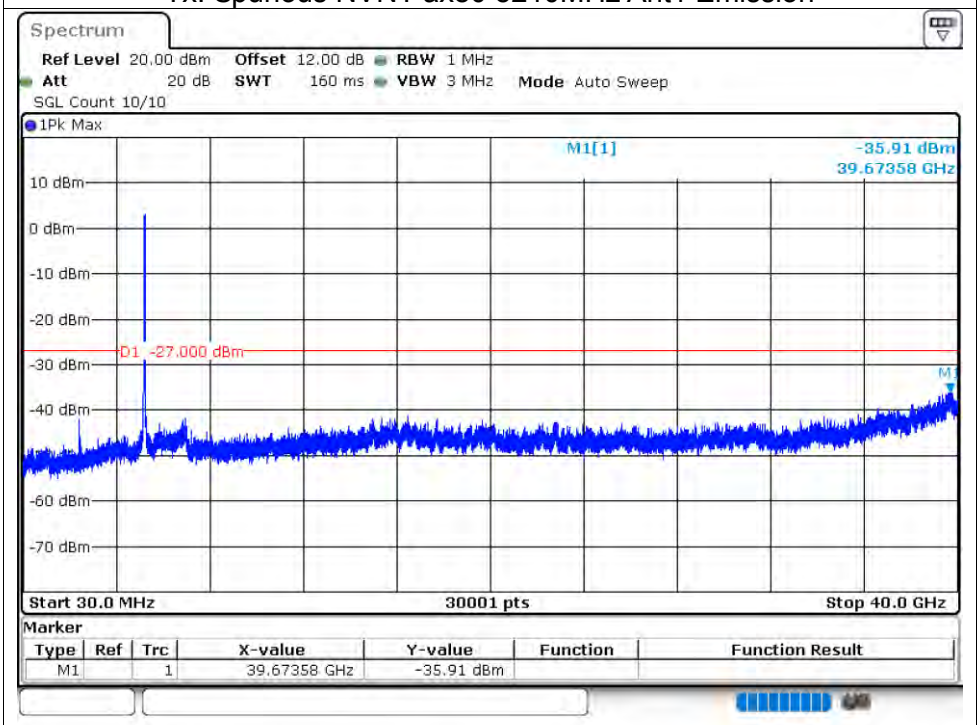
Tx. Spurious NVNT ax40 5190MHz Ant2 Emission



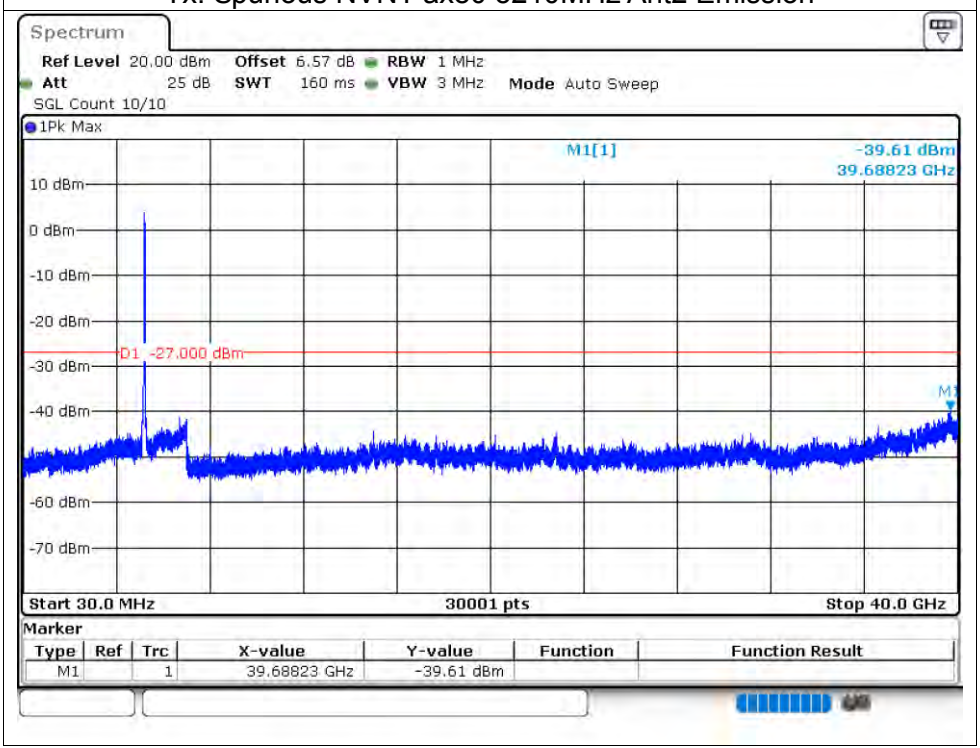
Tx. Spurious NVNT ax40 5230MHz Ant2 Emission



Tx. Spurious NVNT ax80 5210MHz Ant1 Emission



Tx. Spurious NVNT ax80 5210MHz Ant2 Emission



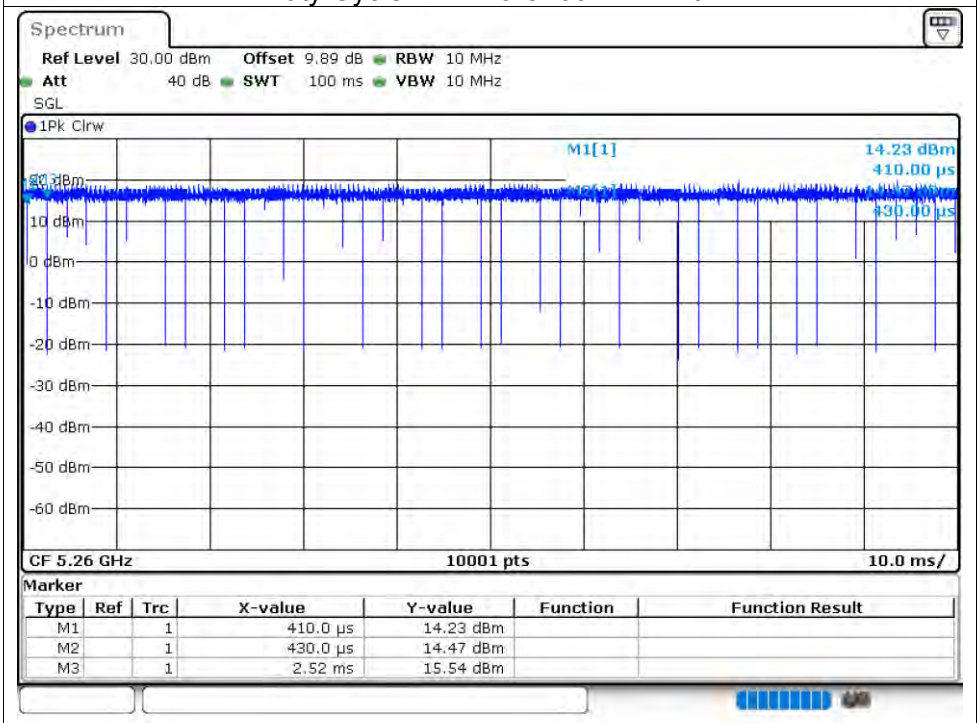
7.2 5.3G

7.2.1 DUTY CYCLE

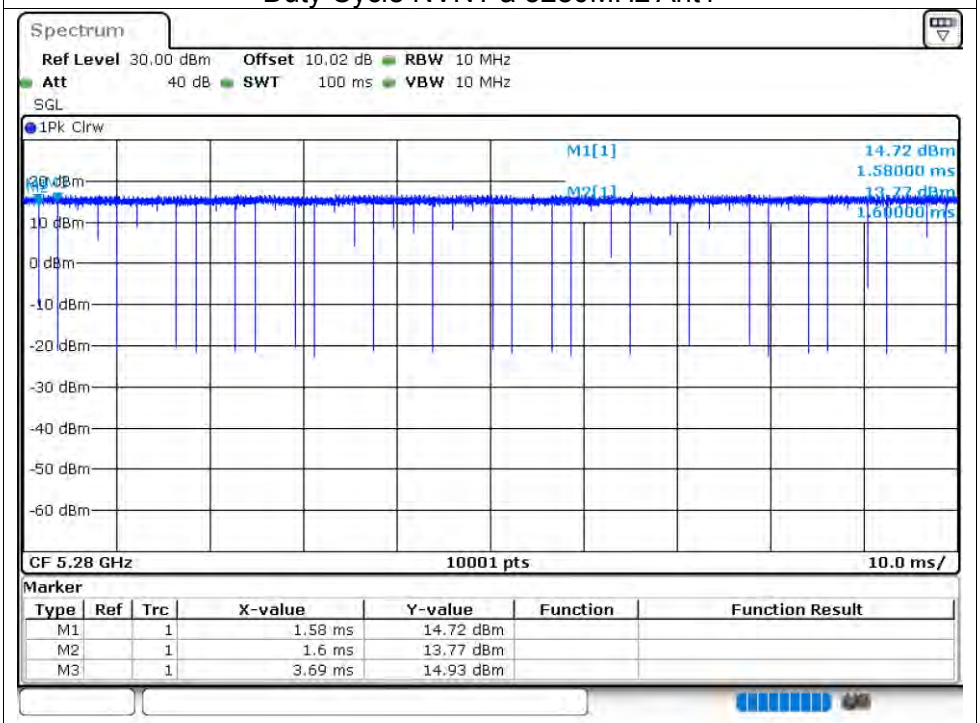
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	99.75	0.01	0.48
NVNT	a	5280	Ant1	99.76	0.01	0.48
NVNT	a	5320	Ant1	99.74	0.01	0.48
NVNT	a	5260	Ant2	99.68	0.01	0.24
NVNT	a	5280	Ant2	99.67	0.01	0.48
NVNT	a	5320	Ant2	99.67	0.01	0.24
NVNT	n20	5260	Ant1	99.91	0	0.09
NVNT	n20	5280	Ant1	99.91	0	0.09
NVNT	n20	5320	Ant1	99.91	0	0.09
NVNT	n20	5260	Ant2	99.91	0	0.09
NVNT	n20	5280	Ant2	99.82	0.01	0.18
NVNT	n20	5320	Ant2	99.84	0.01	0.18
NVNT	n40	5270	Ant1	99.91	0	0.09
NVNT	n40	5310	Ant1	99.88	0.01	0.18
NVNT	n40	5270	Ant2	99.9	0	0.09
NVNT	n40	5310	Ant2	99.89	0	0.09
NVNT	ac20	5260	Ant1	99.88	0.01	0.18
NVNT	ac20	5280	Ant1	99.91	0	0.09
NVNT	ac20	5320	Ant1	99.91	0	0.09
NVNT	ac20	5260	Ant2	99.9	0	0.09
NVNT	ac20	5280	Ant2	99.82	0.01	0.18
NVNT	ac20	5320	Ant2	99.87	0.01	0.09
NVNT	ac40	5270	Ant1	99.9	0	0.06
NVNT	ac40	5310	Ant1	99.88	0.01	0.09
NVNT	ac40	5270	Ant2	99.89	0	0.09
NVNT	ac40	5310	Ant2	99.89	0	0.09
NVNT	ac80	5290	Ant1	99.89	0	0.09
NVNT	ac80	5290	Ant2	99.89	0	0.18
NVNT	ax20	5260	Ant1	99.91	0	0.18
NVNT	ax20	5280	Ant1	99.93	0	0.18
NVNT	ax20	5320	Ant1	99.92	0	0.18
NVNT	ax20	5260	Ant2	99.87	0.01	0.18
NVNT	ax20	5280	Ant2	99.87	0.01	0.18
NVNT	ax20	5320	Ant2	99.87	0.01	0.18
NVNT	ax40	5270	Ant1	99.91	0	0.18
NVNT	ax40	5310	Ant1	99.89	0	0.18
NVNT	ax40	5270	Ant2	99.89	0	0.18
NVNT	ax40	5310	Ant2	99.9	0	0.18
NVNT	ax80	5290	Ant1	99.32	0.03	0.18
NVNT	ax80	5290	Ant2	99.27	0.03	0.18

Test Graphs

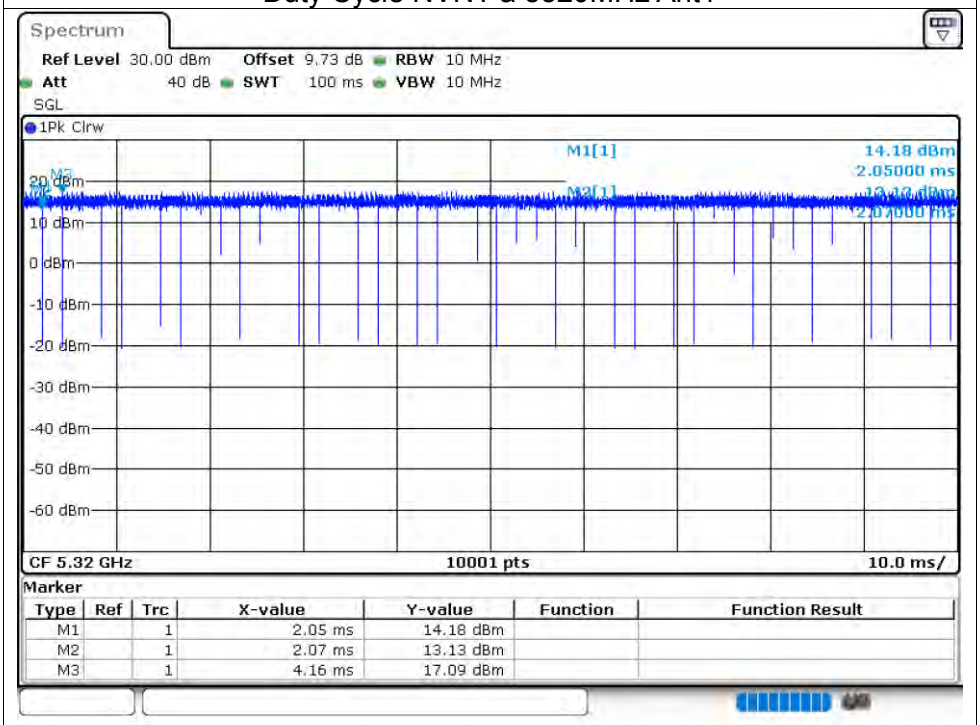
Duty Cycle NVNT a 5260MHz Ant1



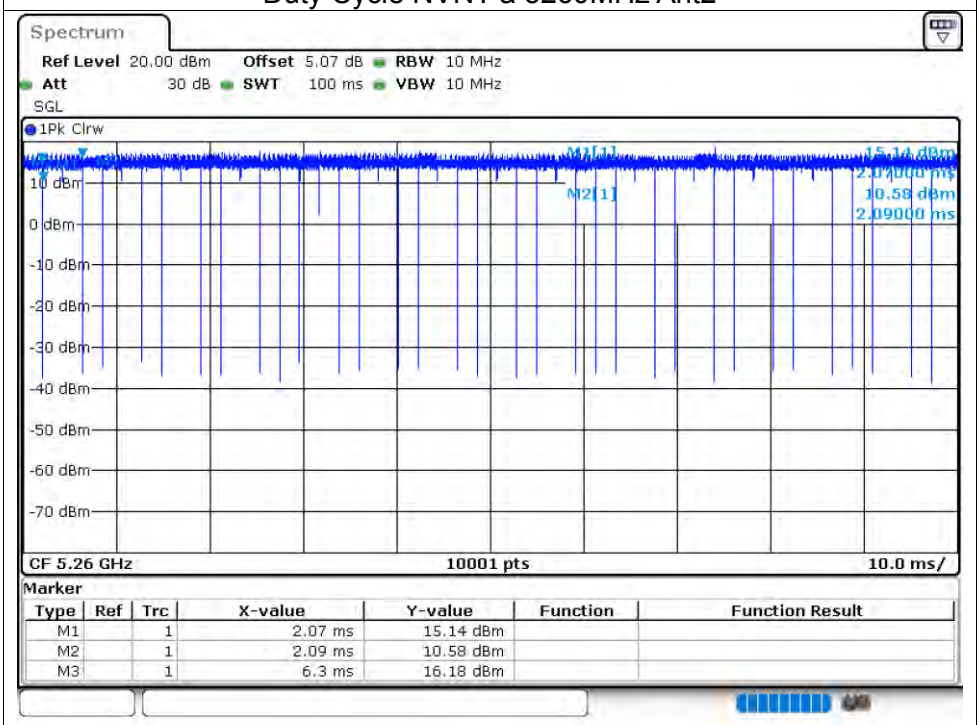
Duty Cycle NVNT a 5280MHz Ant1



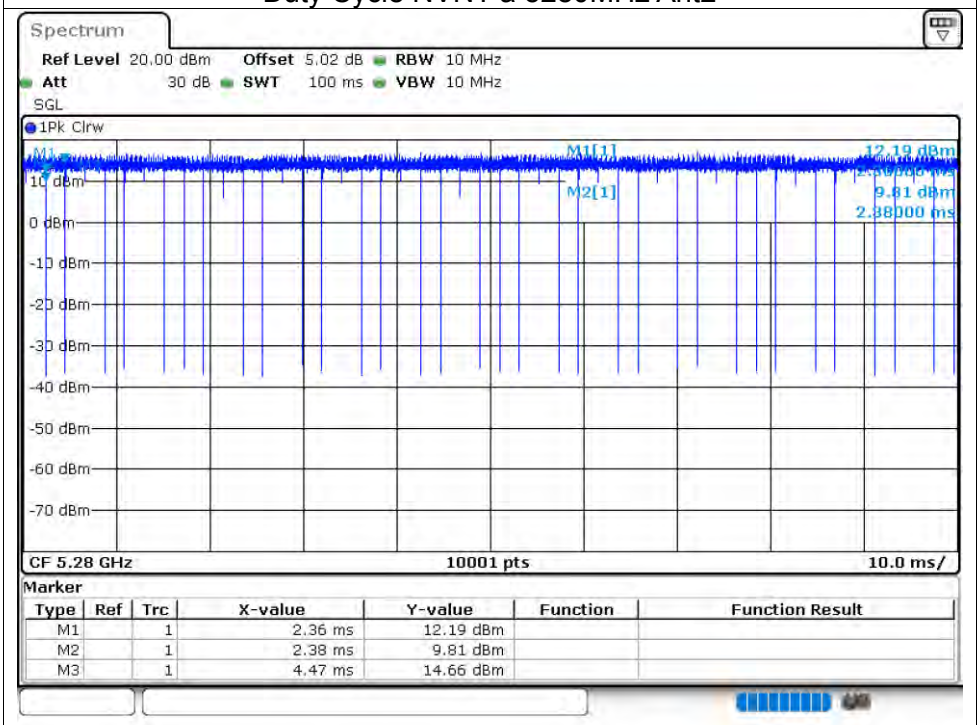
Duty Cycle NVNT a 5320MHz Ant1



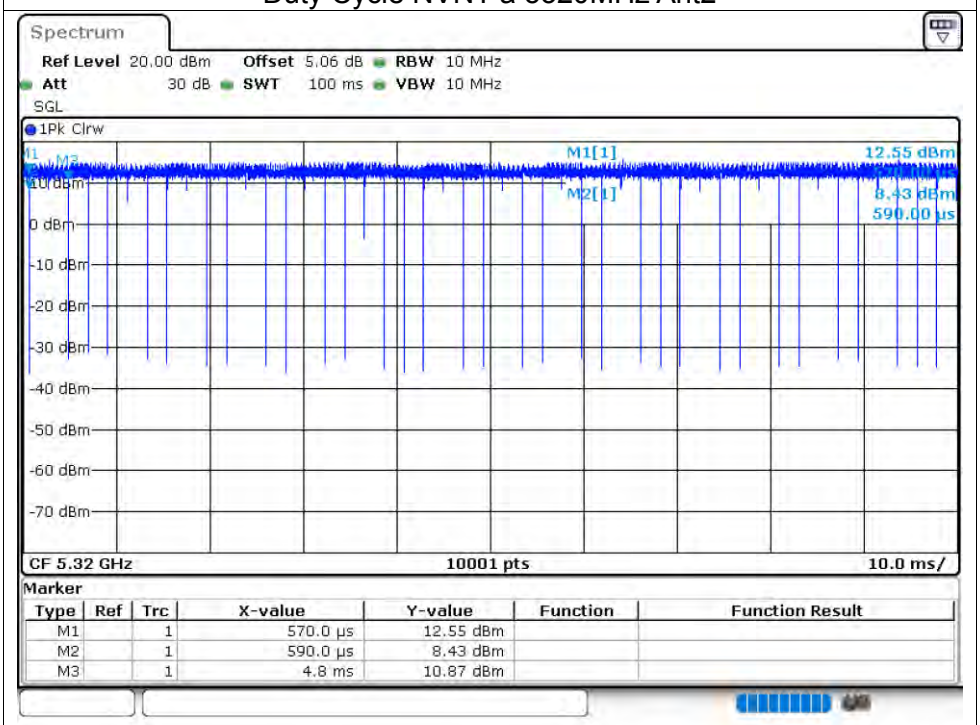
Duty Cycle NVNT a 5260MHz Ant2



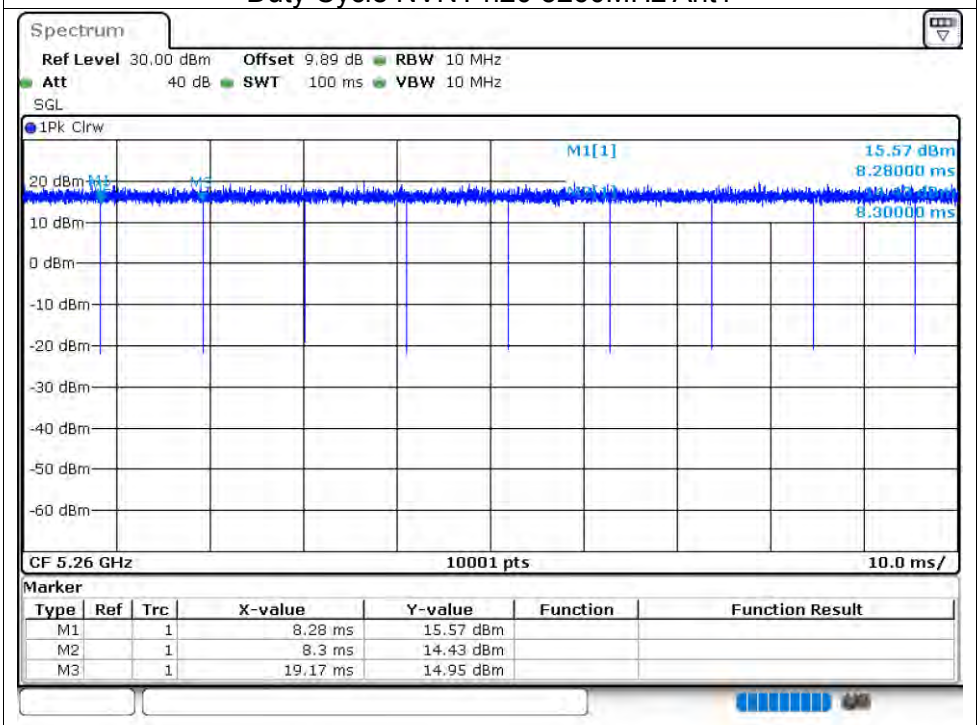
Duty Cycle NVNT a 5280MHz Ant2



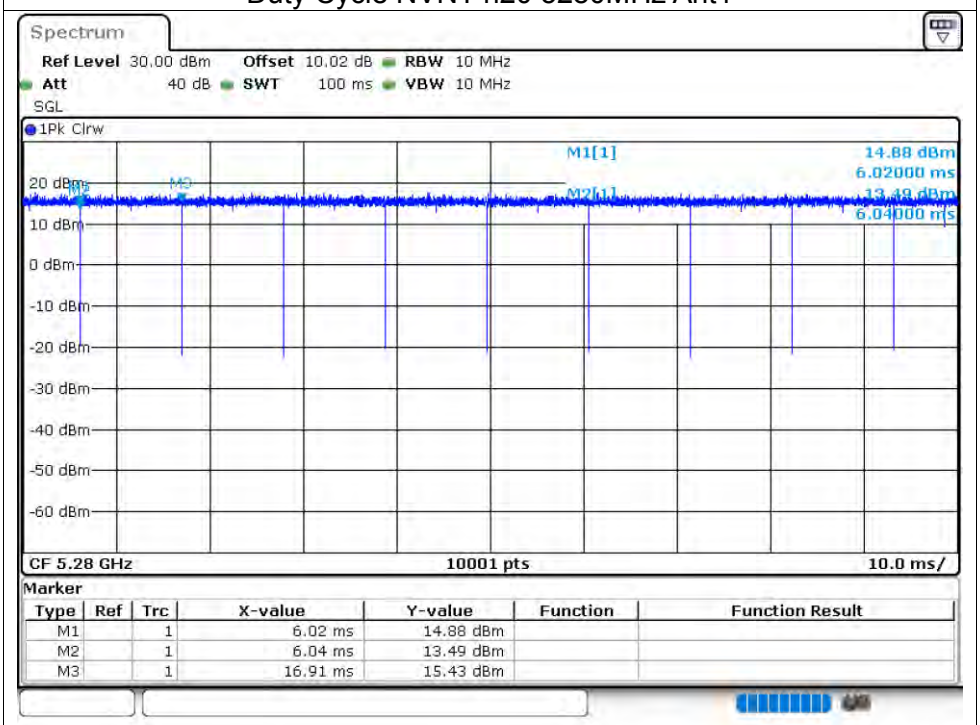
Duty Cycle NVNT a 5320MHz Ant2



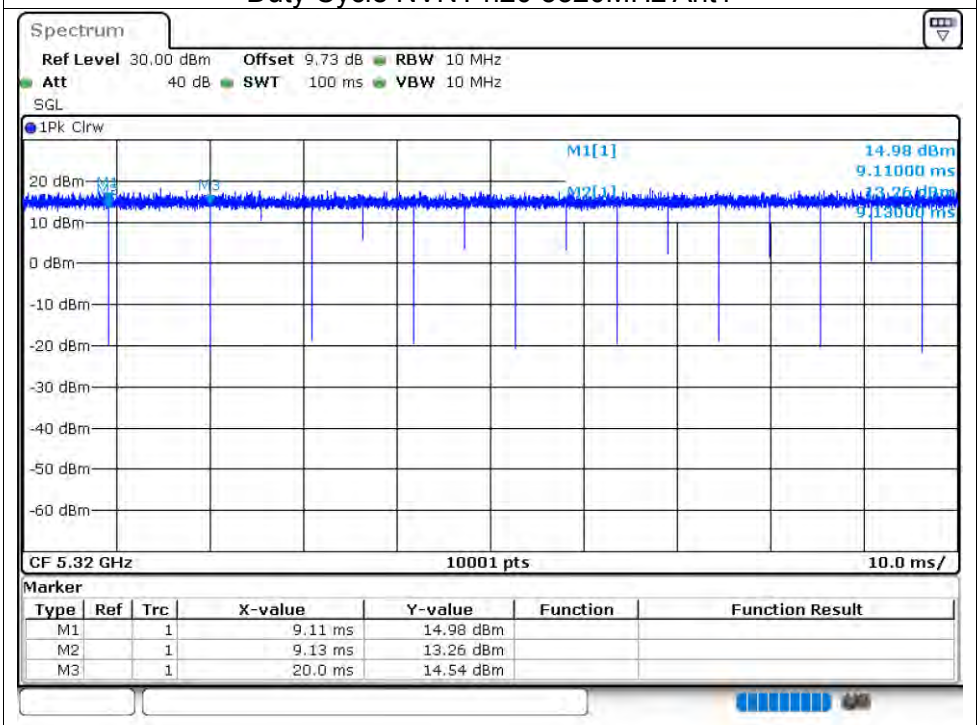
Duty Cycle NVNT n20 5260MHz Ant1



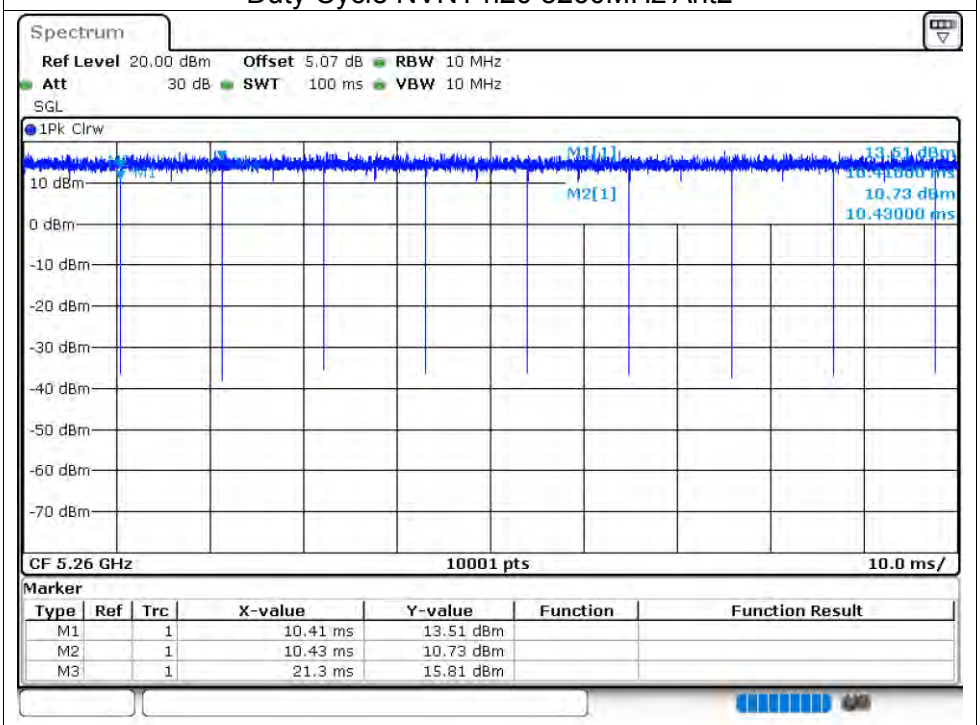
Duty Cycle NVNT n20 5280MHz Ant1



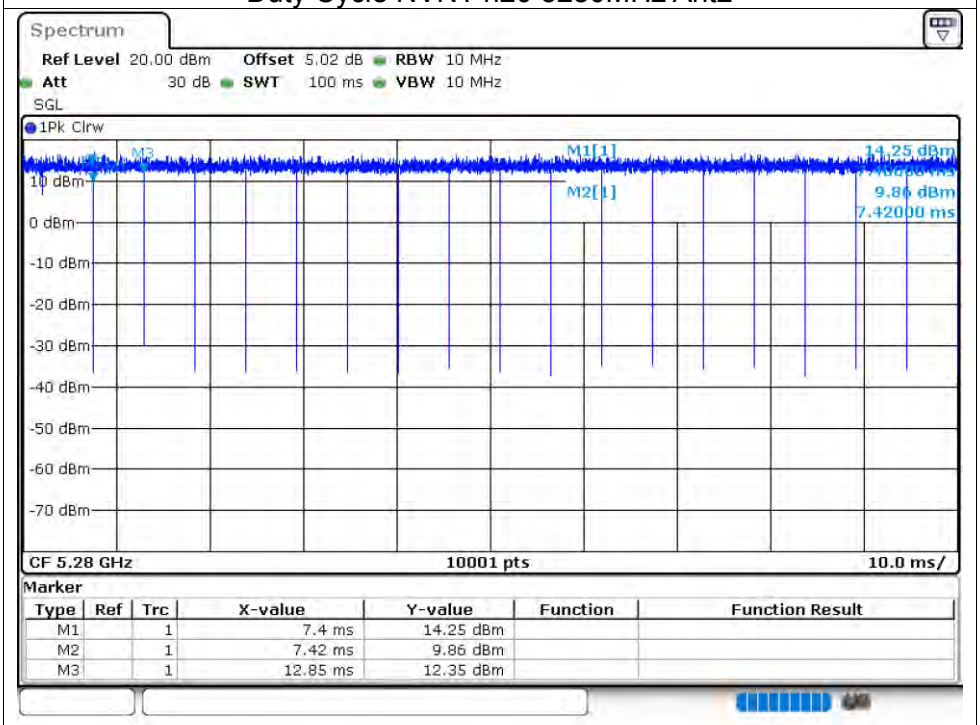
Duty Cycle NVNT n20 5320MHz Ant1



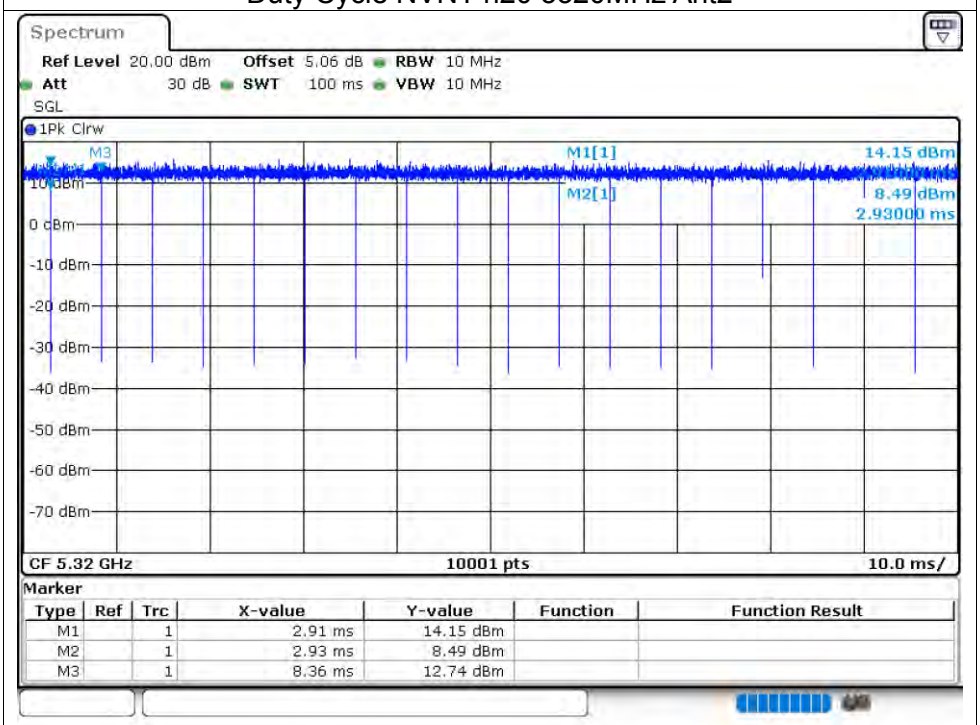
Duty Cycle NVNT n20 5260MHz Ant2



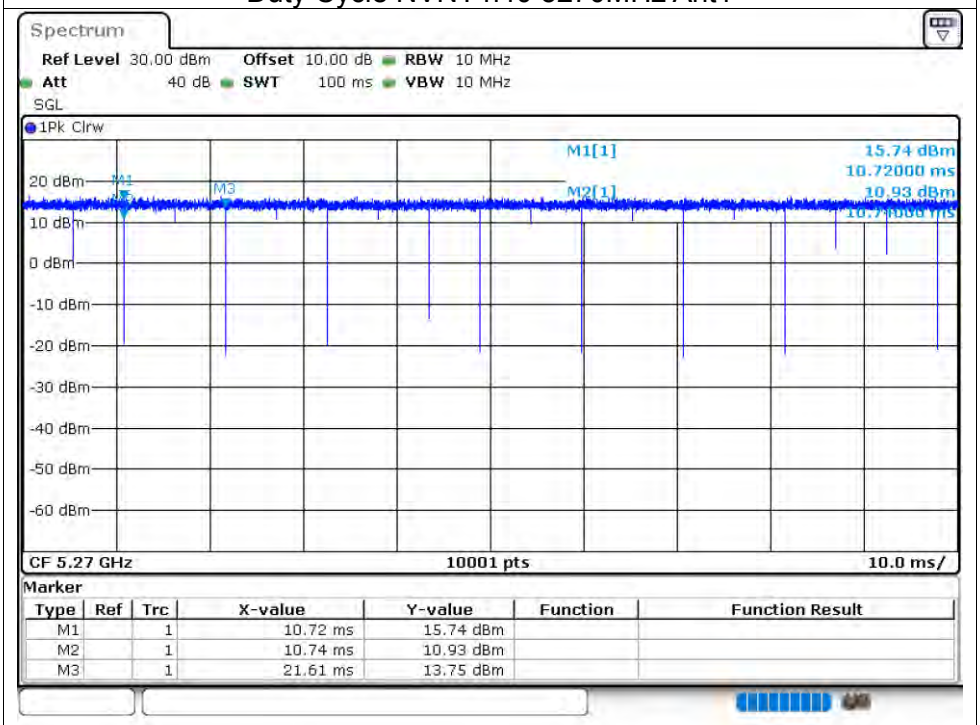
Duty Cycle NVNT n20 5280MHz Ant2



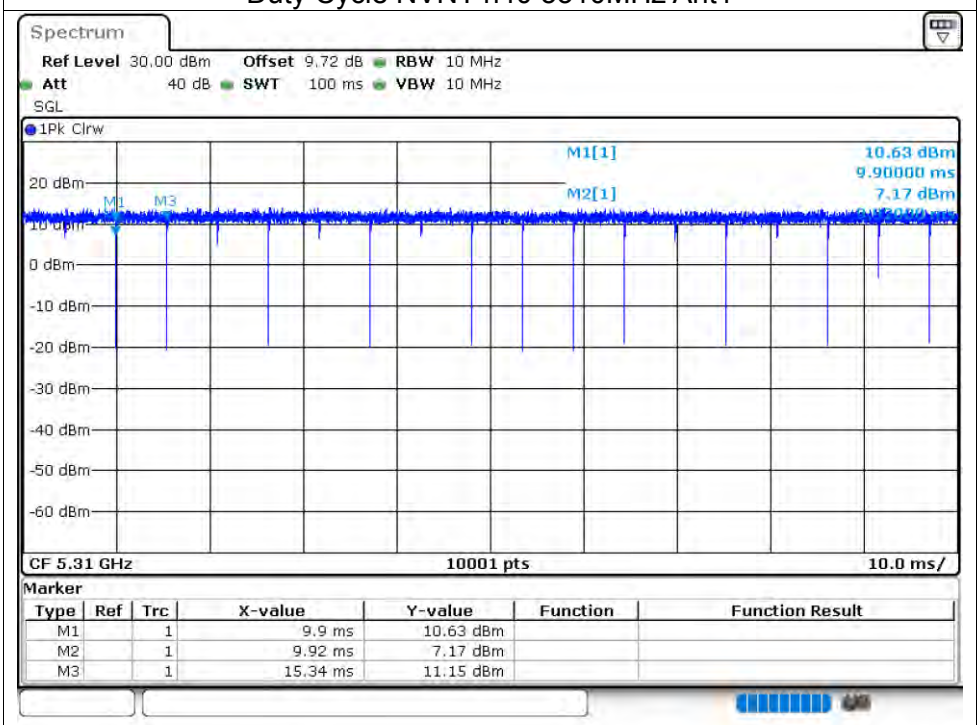
Duty Cycle NVNT n20 5320MHz Ant2



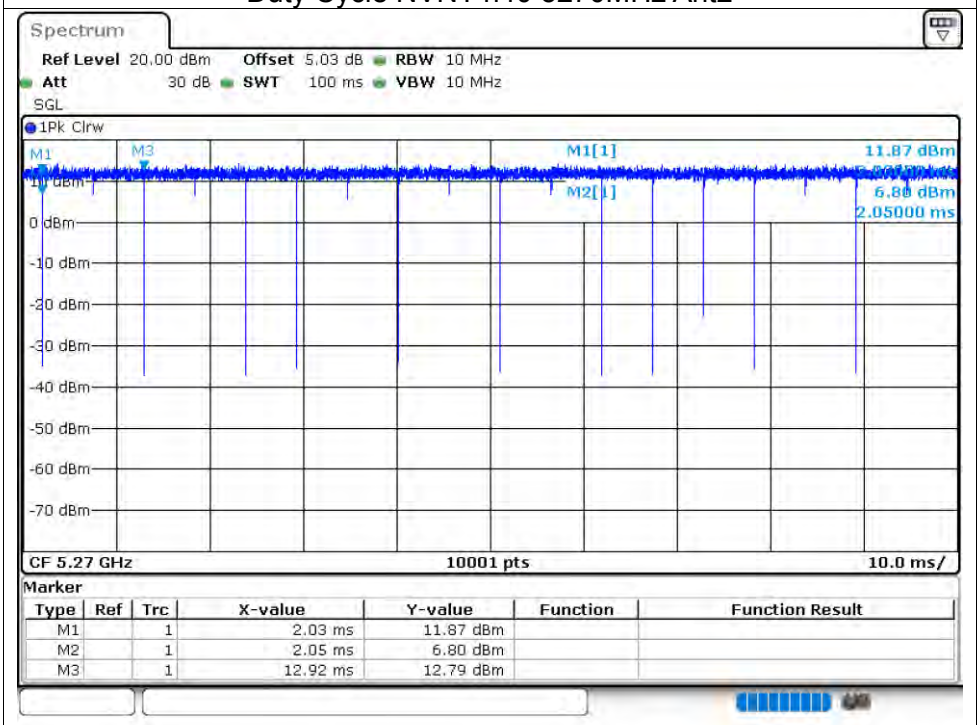
Duty Cycle NVNT n40 5270MHz Ant1



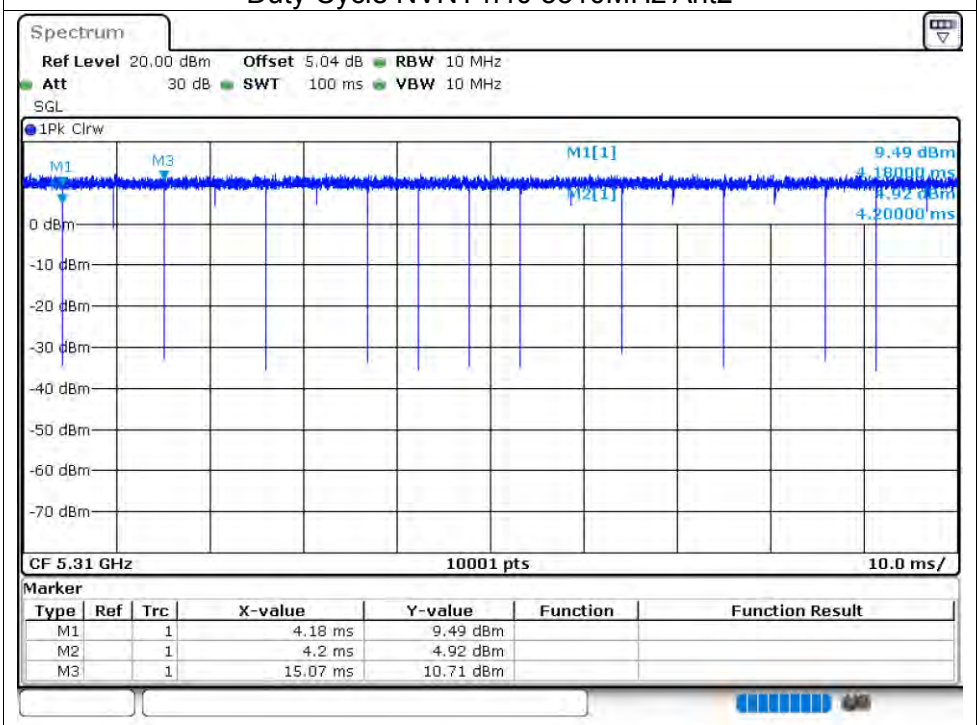
Duty Cycle NVNT n40 5310MHz Ant1



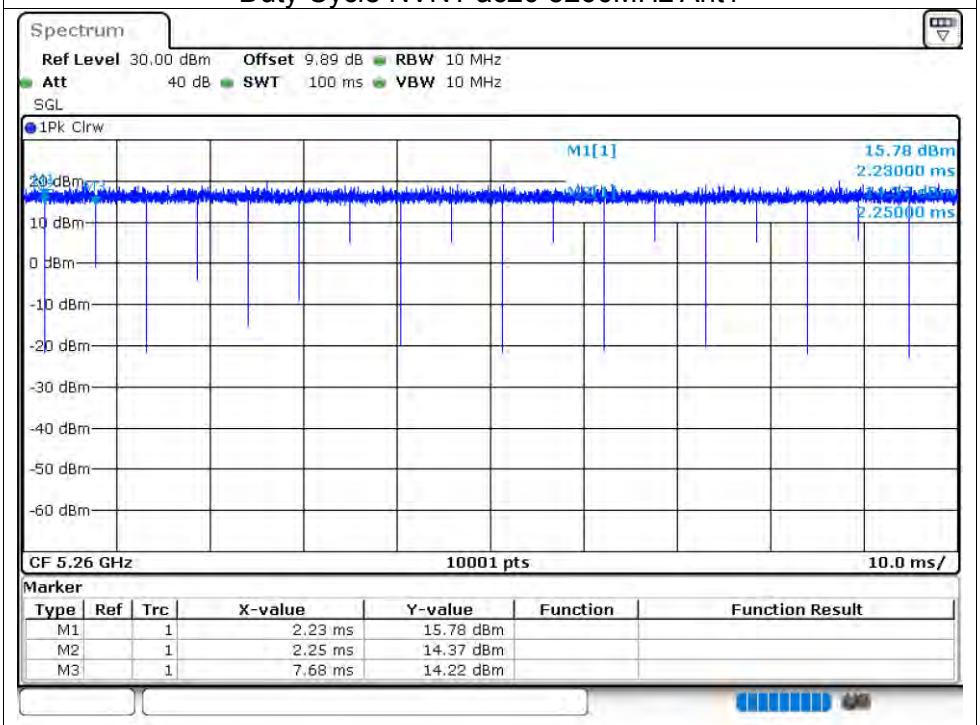
Duty Cycle NVNT n40 5270MHz Ant2



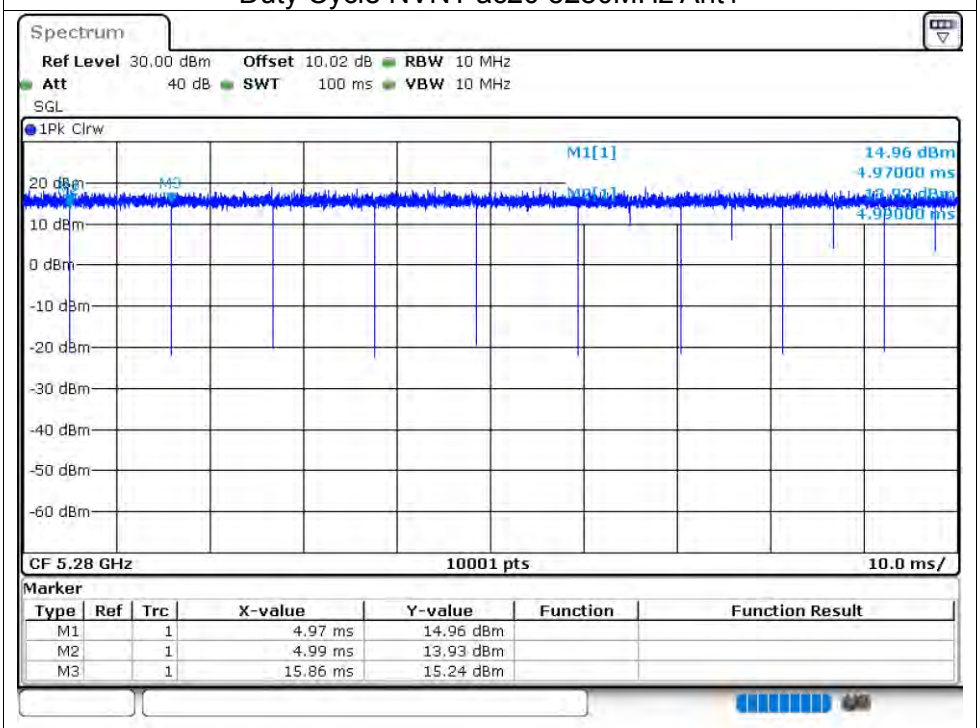
Duty Cycle NVNT n40 5310MHz Ant2



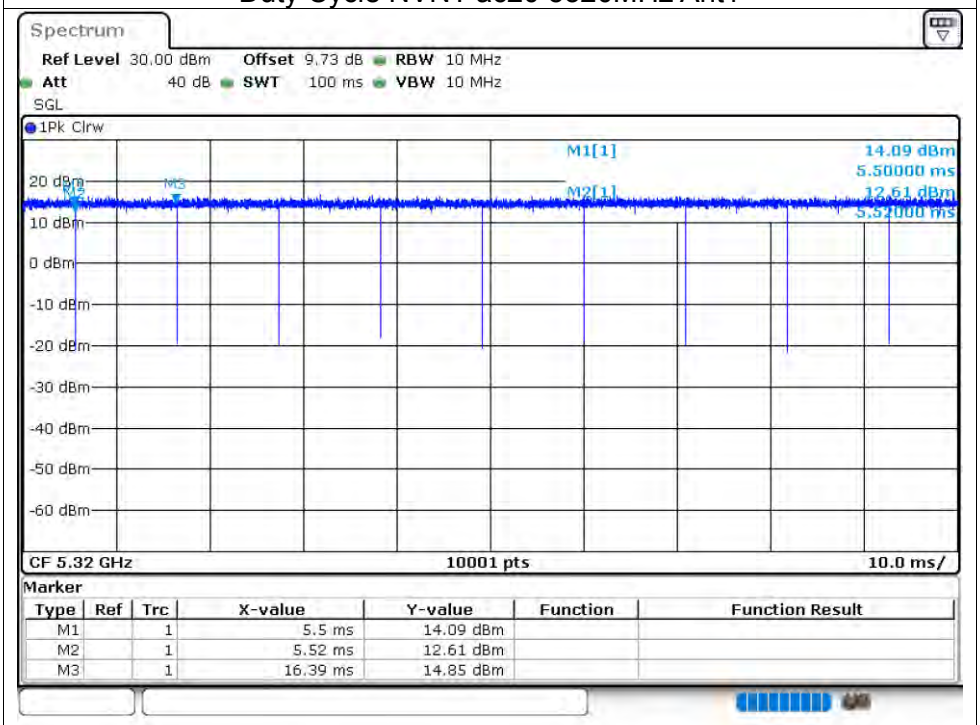
Duty Cycle NVNT ac20 5260MHz Ant1



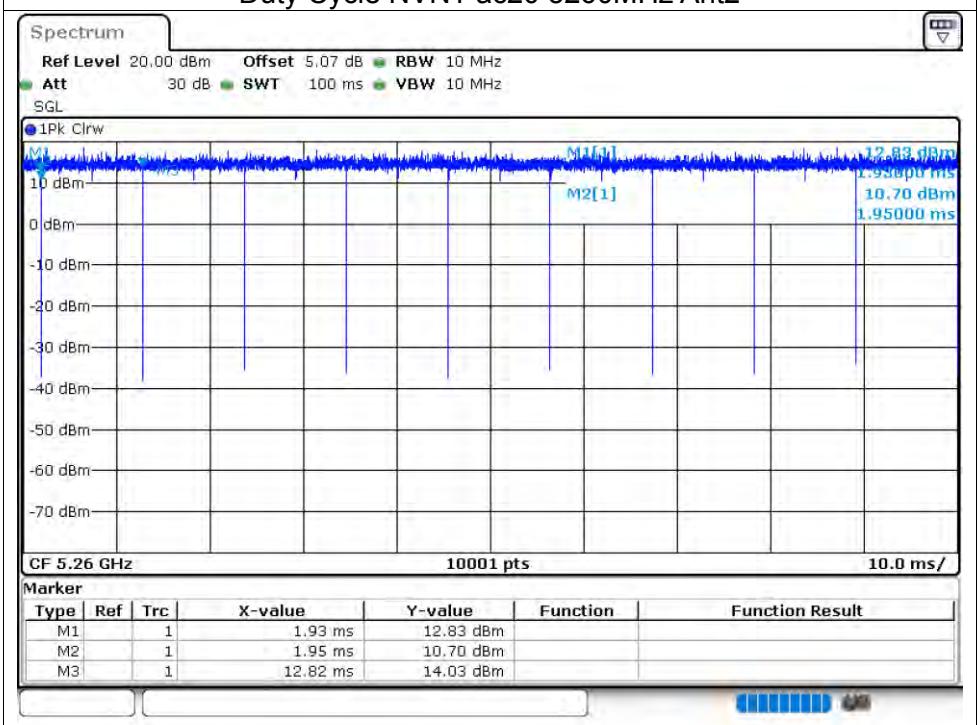
Duty Cycle NVNT ac20 5280MHz Ant1



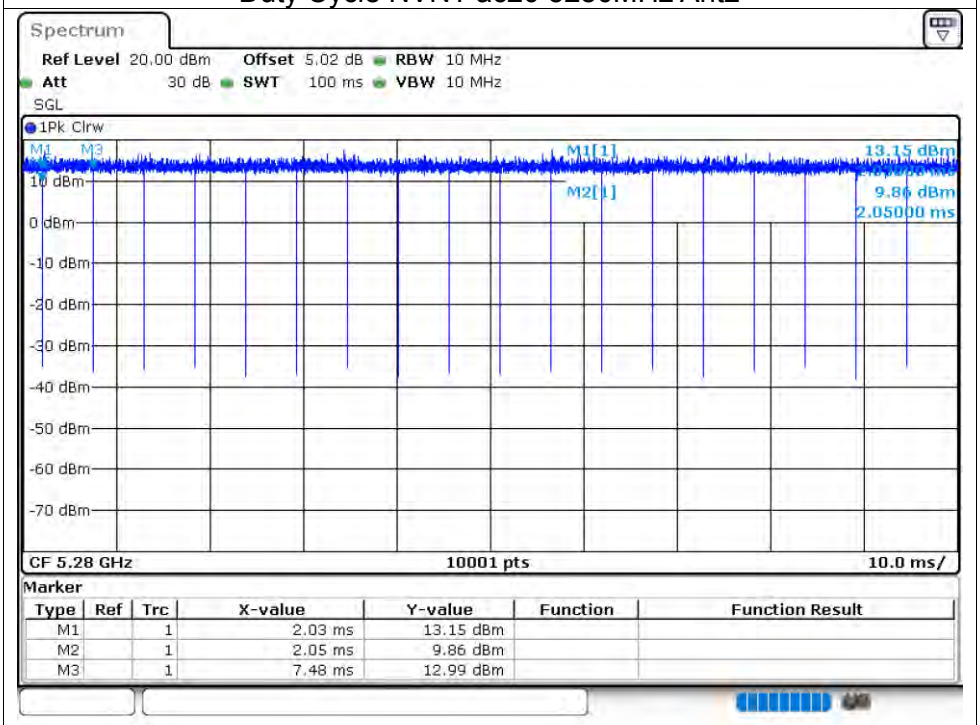
Duty Cycle NVNT ac20 5320MHz Ant1



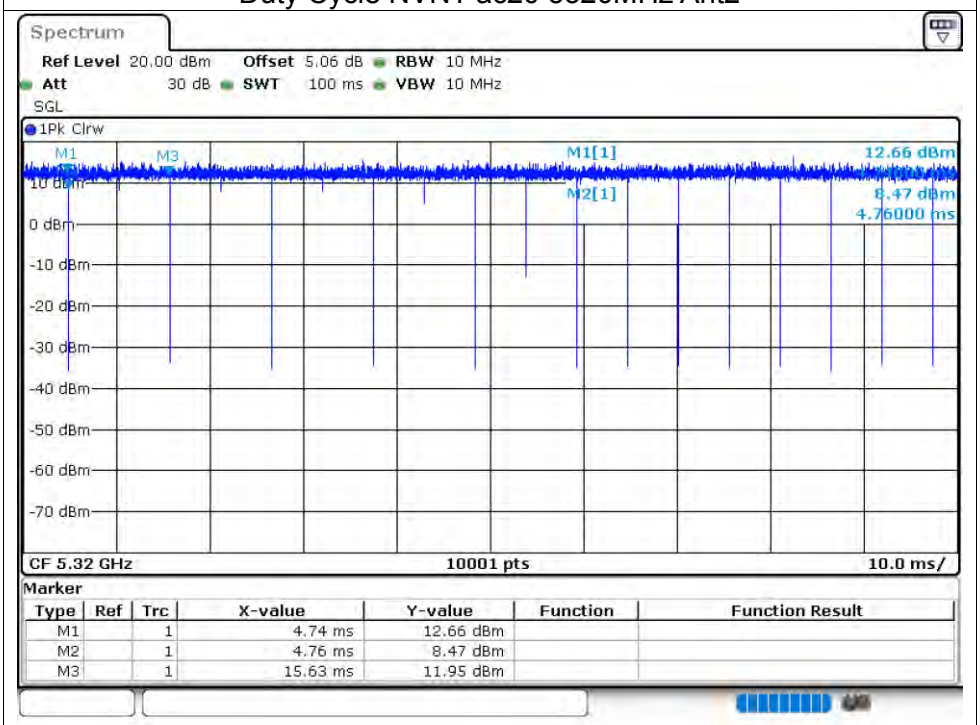
Duty Cycle NVNT ac20 5260MHz Ant2



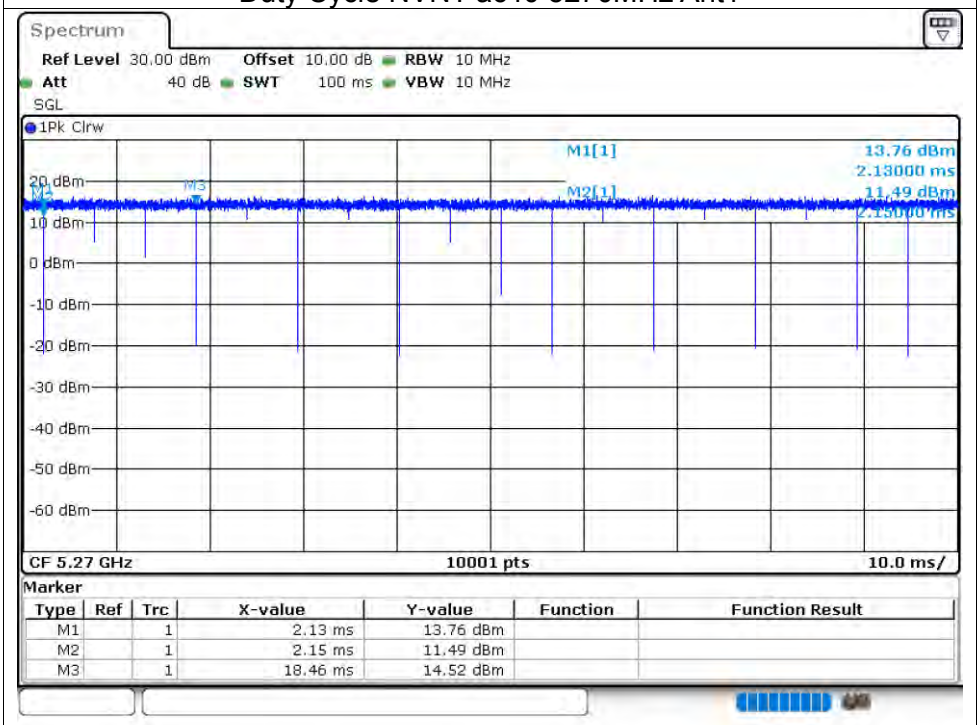
Duty Cycle NVNT ac20 5280MHz Ant2



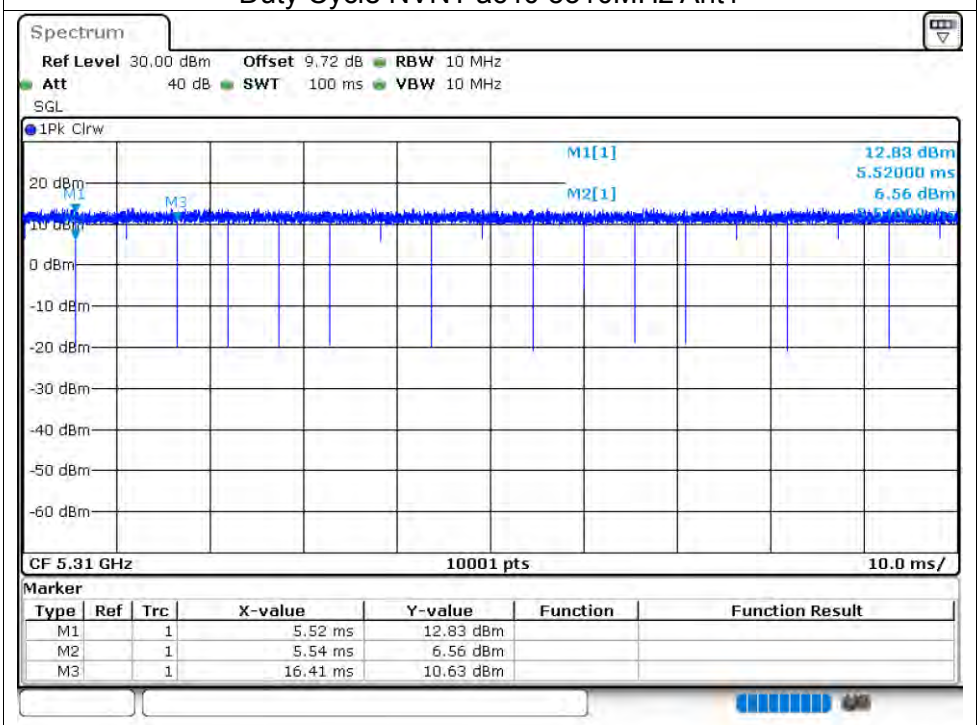
Duty Cycle NVNT ac20 5320MHz Ant2



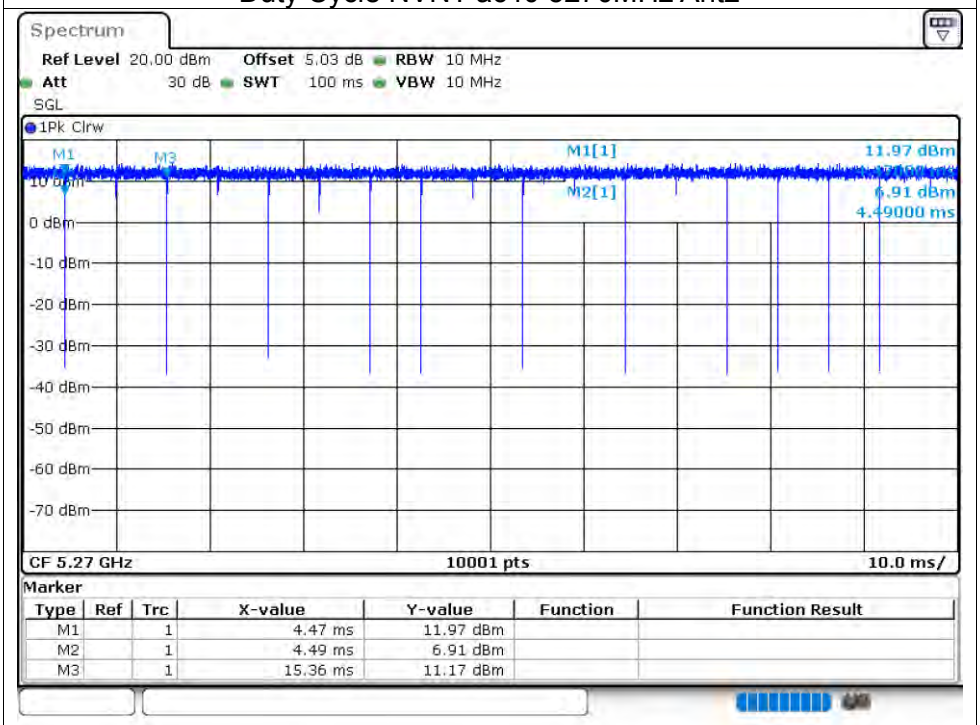
Duty Cycle NVNT ac40 5270MHz Ant1



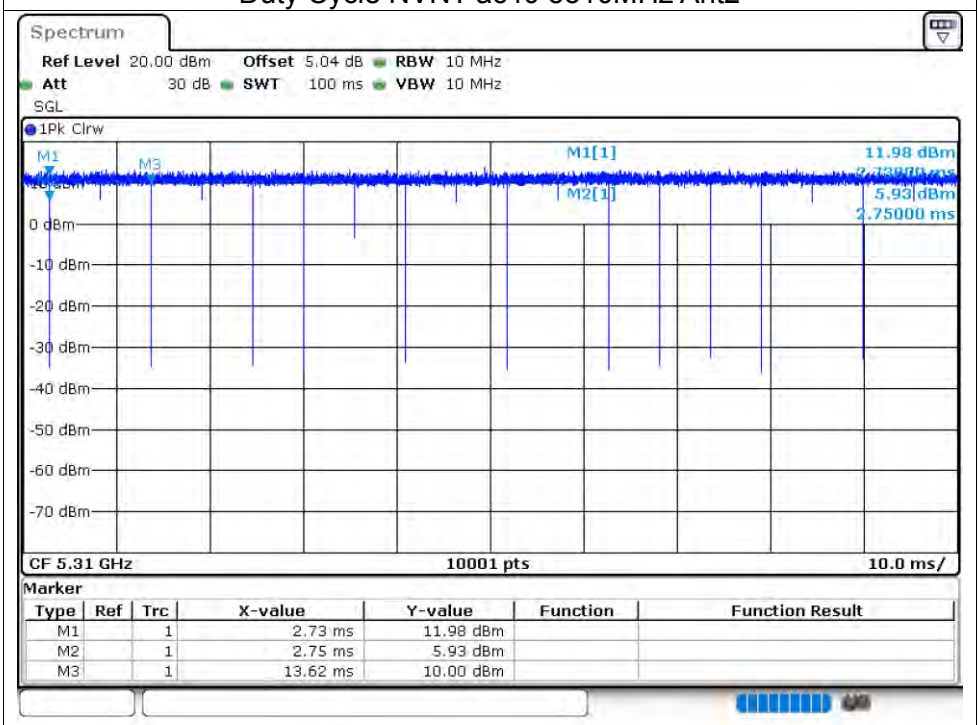
Duty Cycle NVNT ac40 5310MHz Ant1



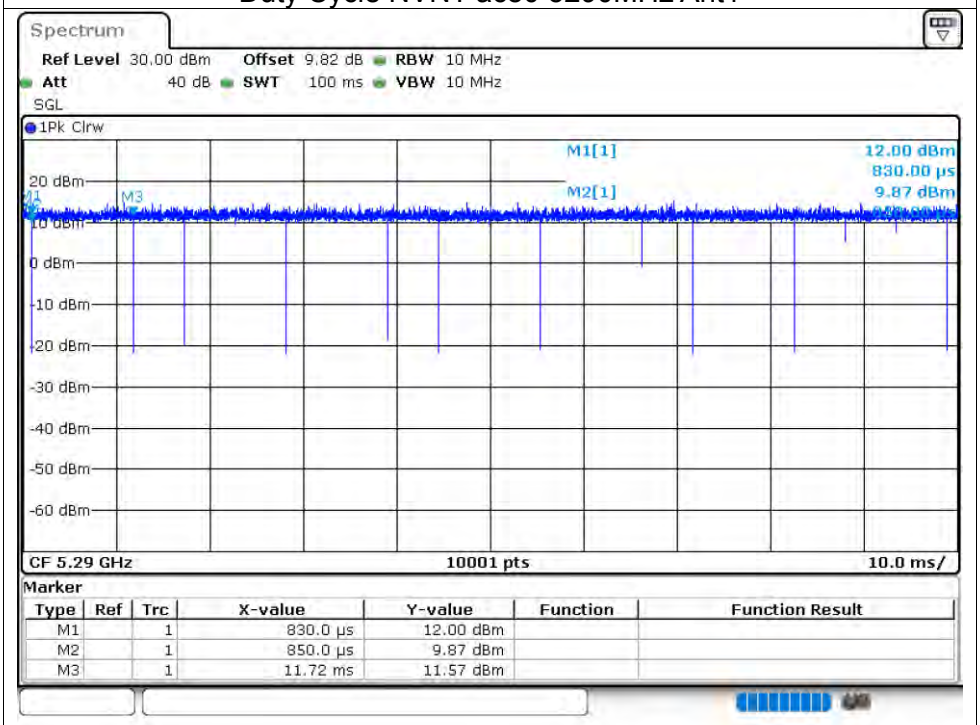
Duty Cycle NVNT ac40 5270MHz Ant2



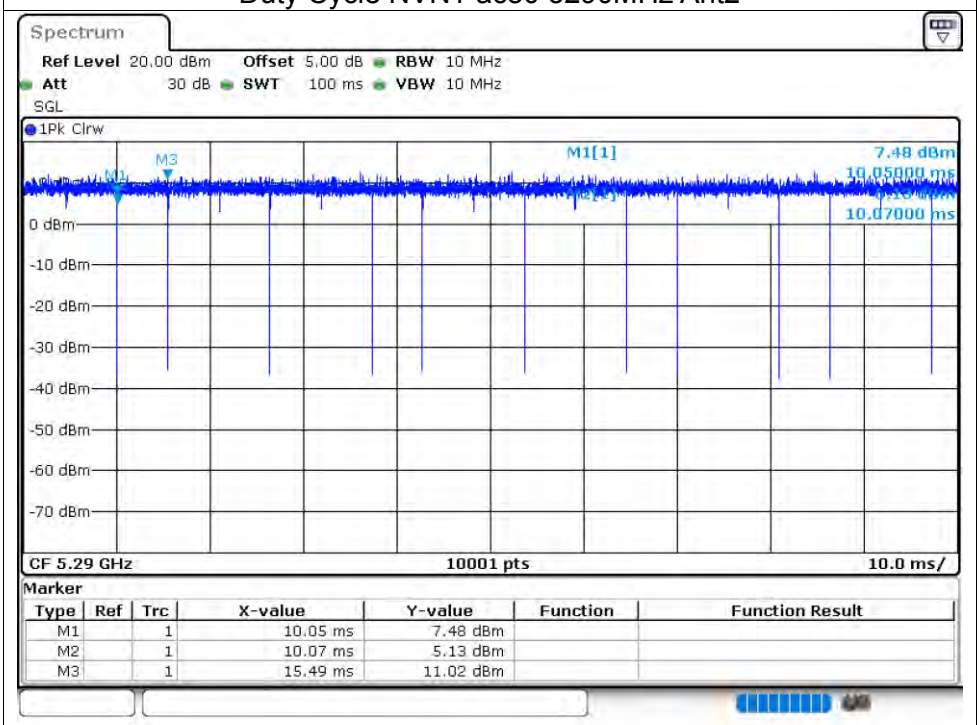
Duty Cycle NVNT ac40 5310MHz Ant2



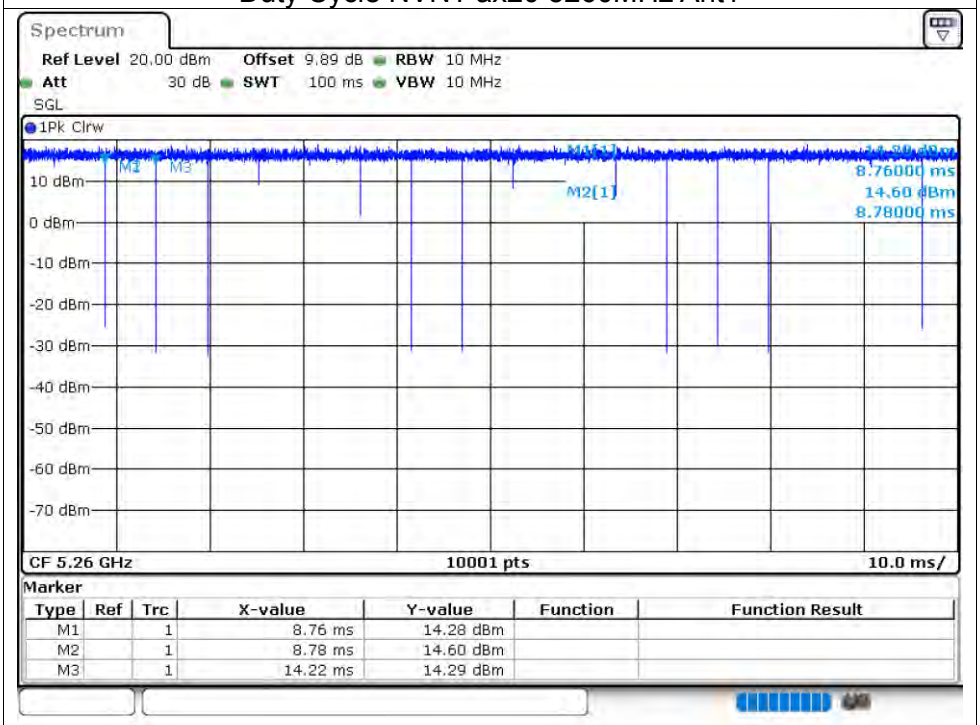
Duty Cycle NVNT ac80 5290MHz Ant1



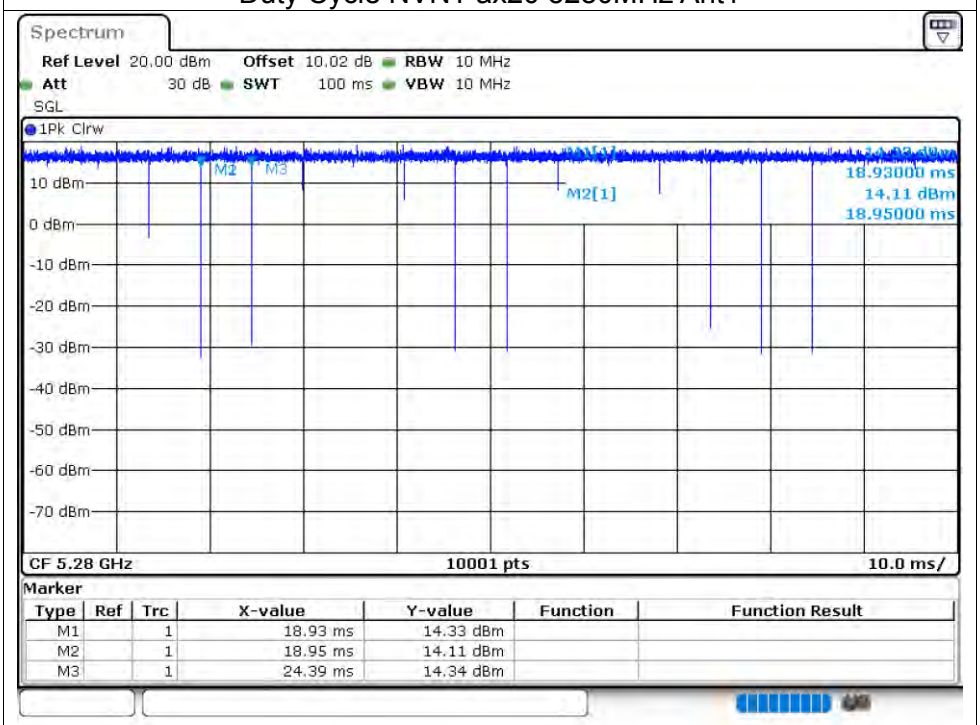
Duty Cycle NVNT ac80 5290MHz Ant2



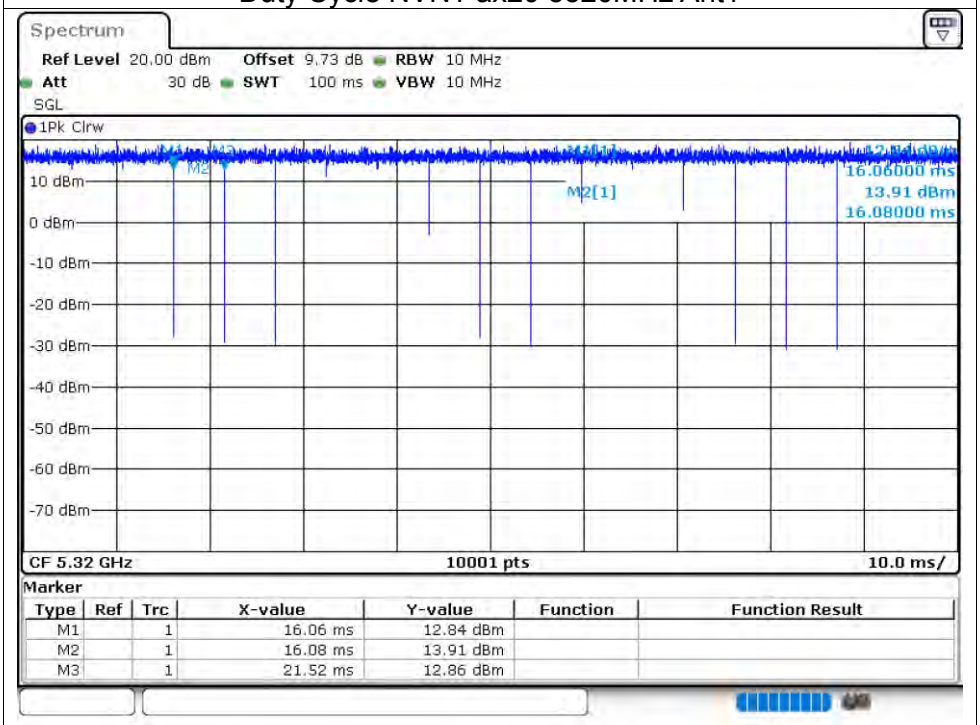
Duty Cycle NVNT ax20 5260MHz Ant1



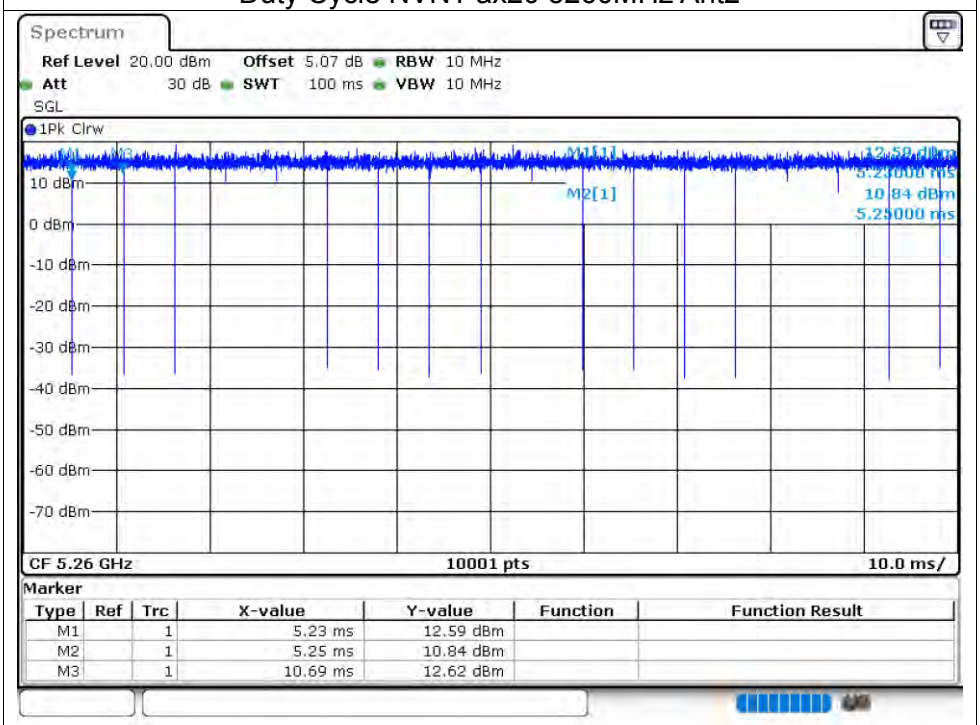
Duty Cycle NVNT ax20 5280MHz Ant1



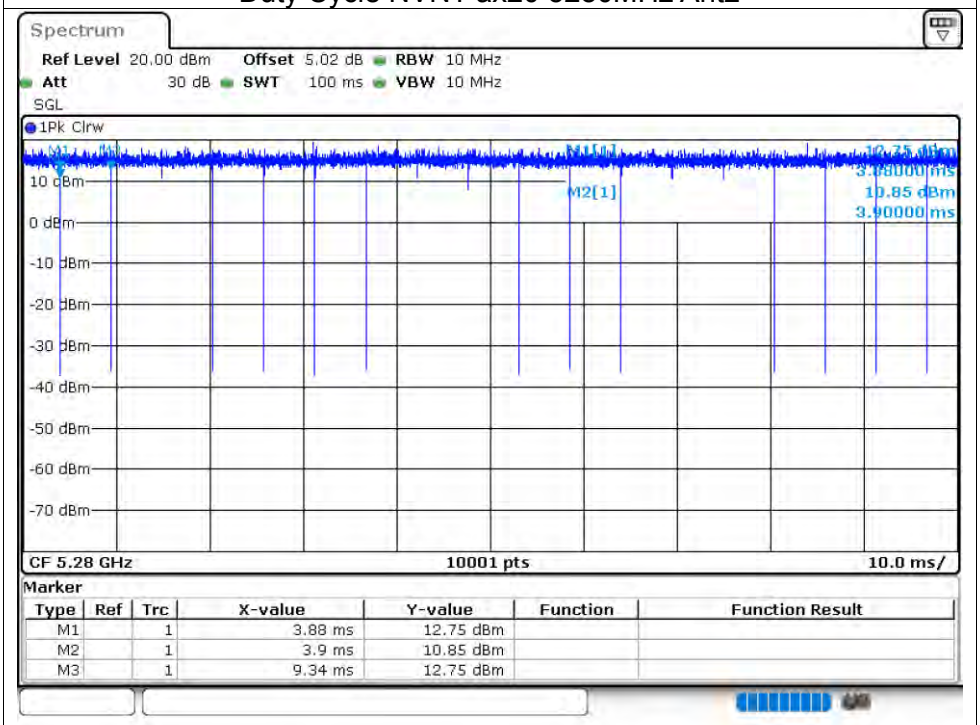
Duty Cycle NVNT ax20 5320MHz Ant1



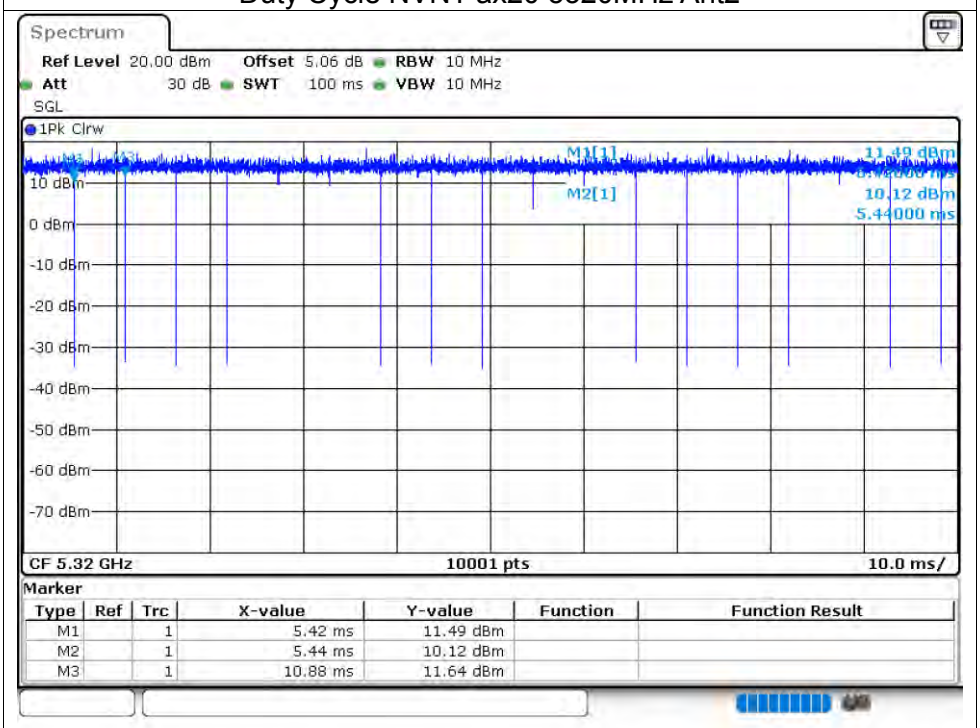
Duty Cycle NVNT ax20 5260MHz Ant2



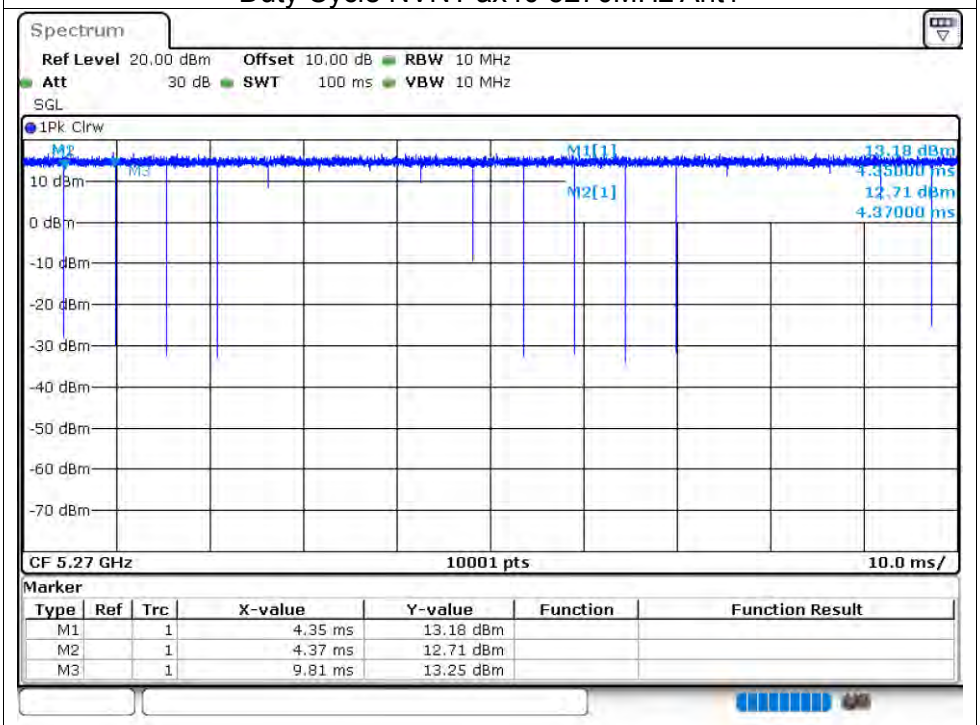
Duty Cycle NVNT ax20 5280MHz Ant2



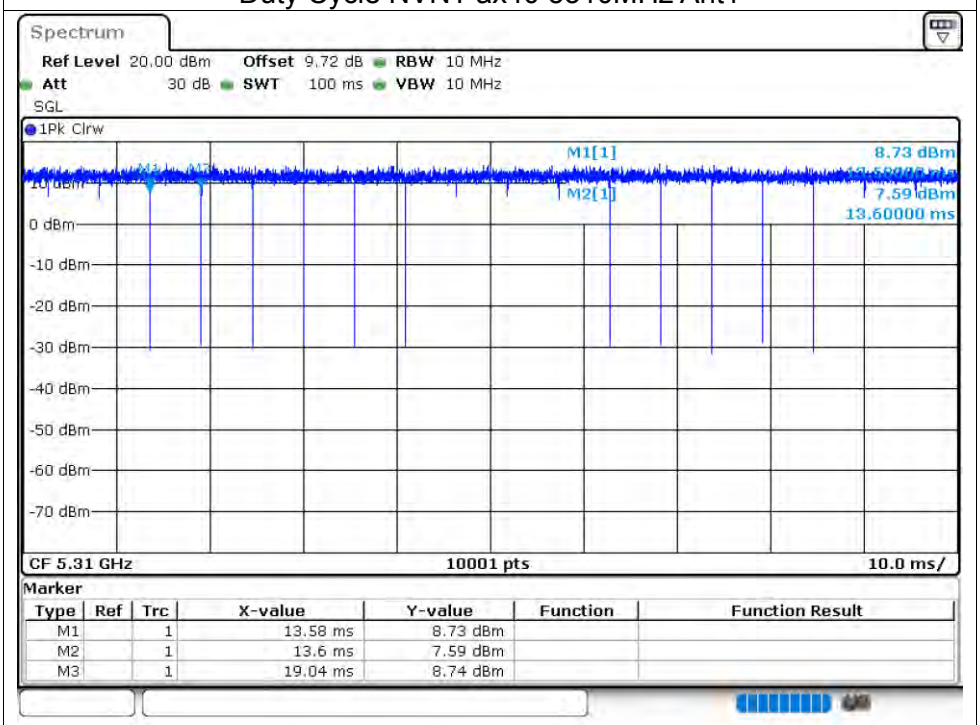
Duty Cycle NVNT ax20 5320MHz Ant2



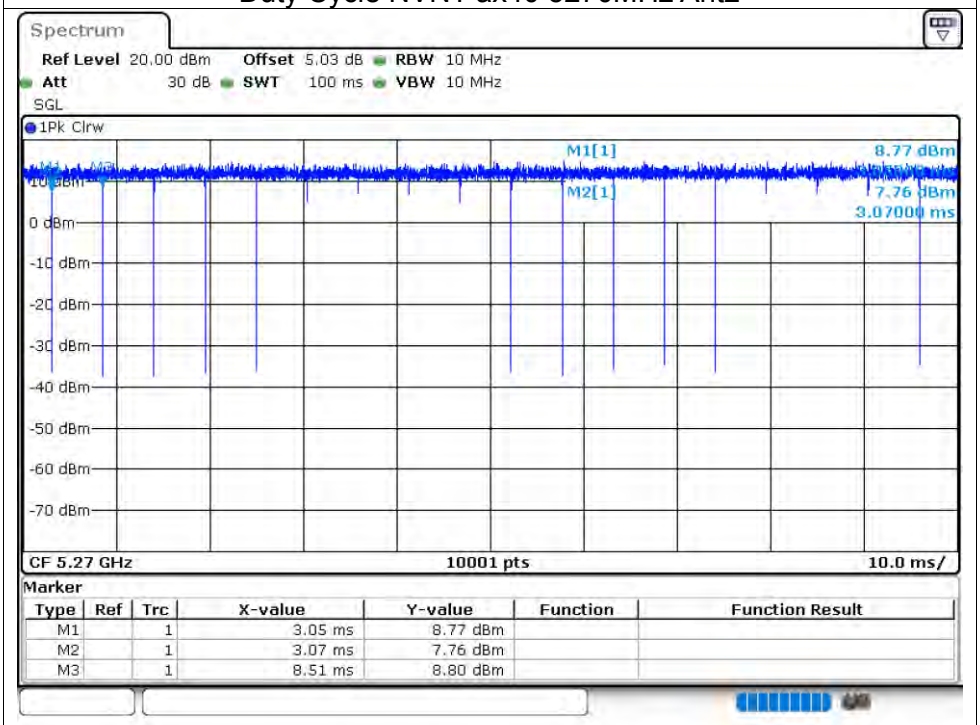
Duty Cycle NVNT ax40 5270MHz Ant1



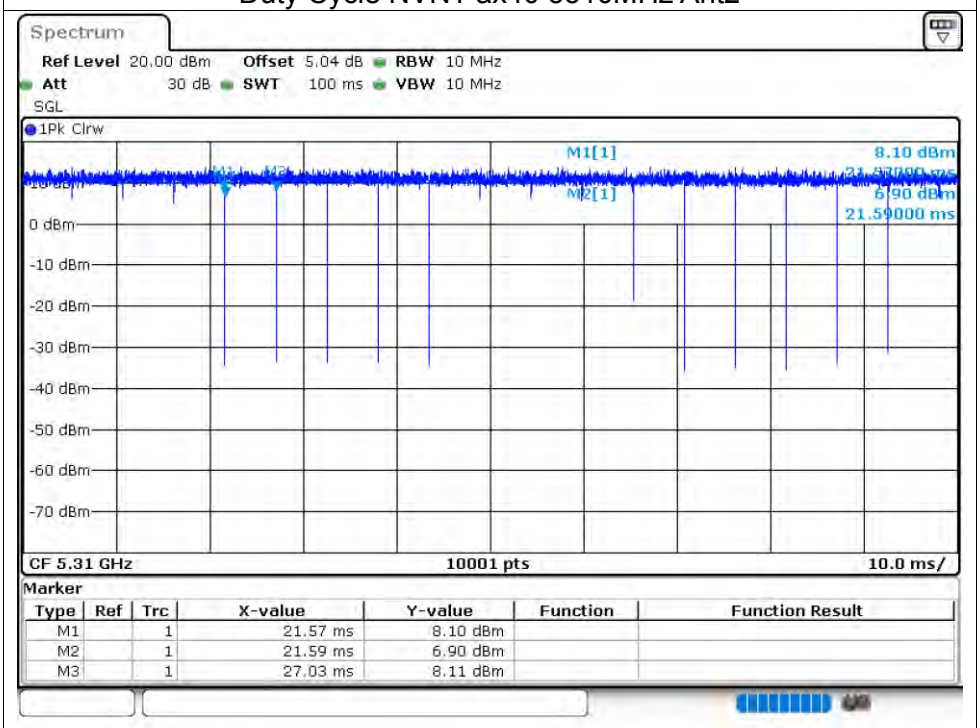
Duty Cycle NVNT ax40 5310MHz Ant1



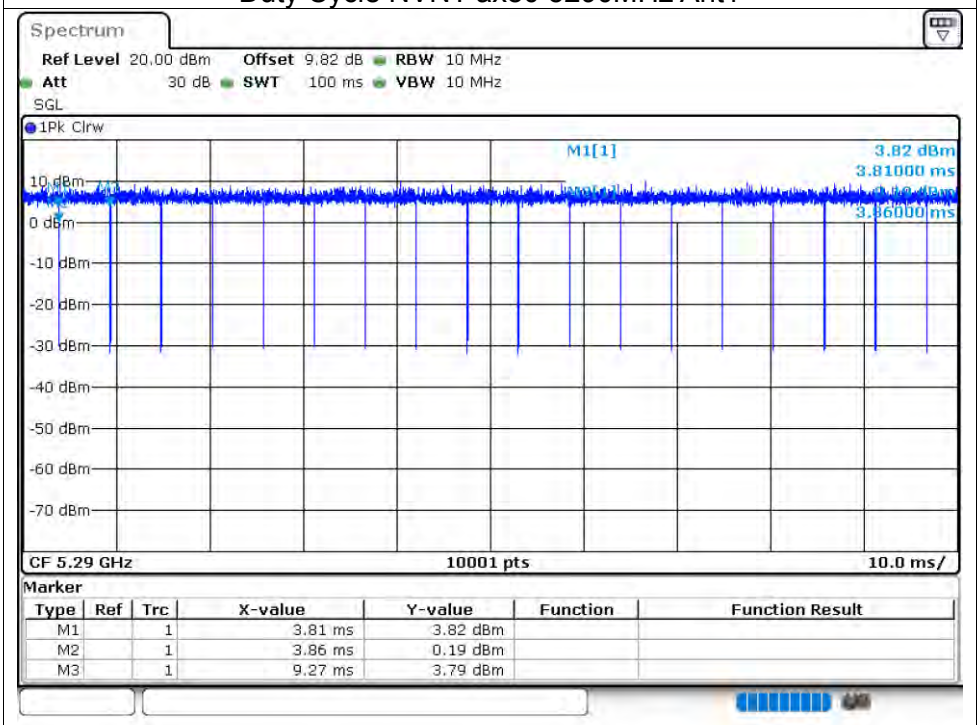
Duty Cycle NVNT ax40 5270MHz Ant2



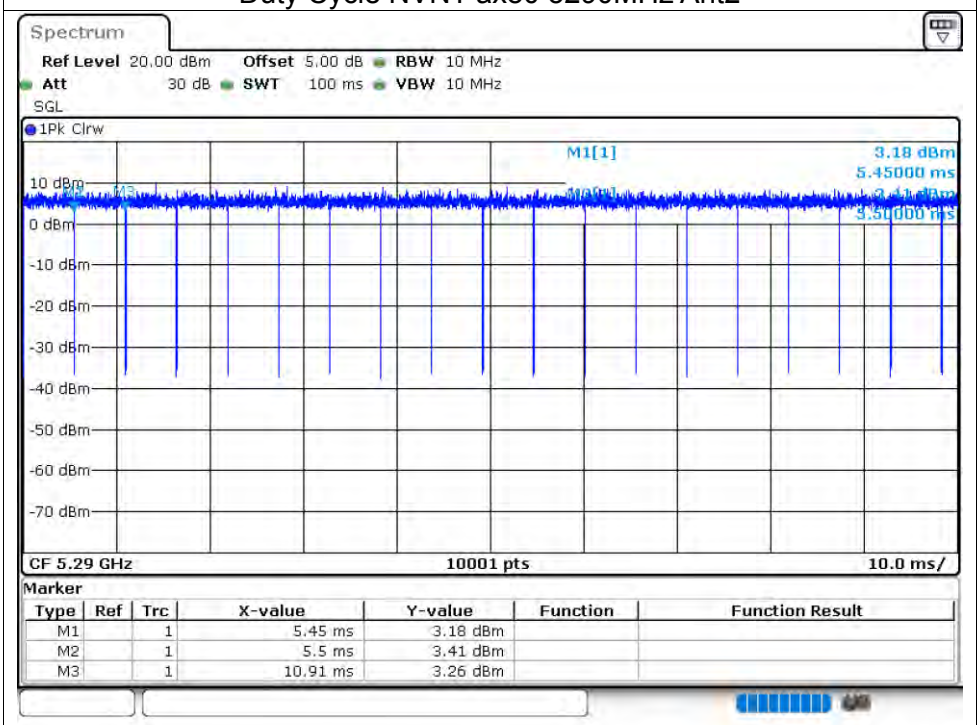
Duty Cycle NVNT ax40 5310MHz Ant2



Duty Cycle NVNT ax80 5290MHz Ant1



Duty Cycle NVNT ax80 5290MHz Ant2



7.2.2 MAXIMUM CONDUCTED OUTPUT POWER

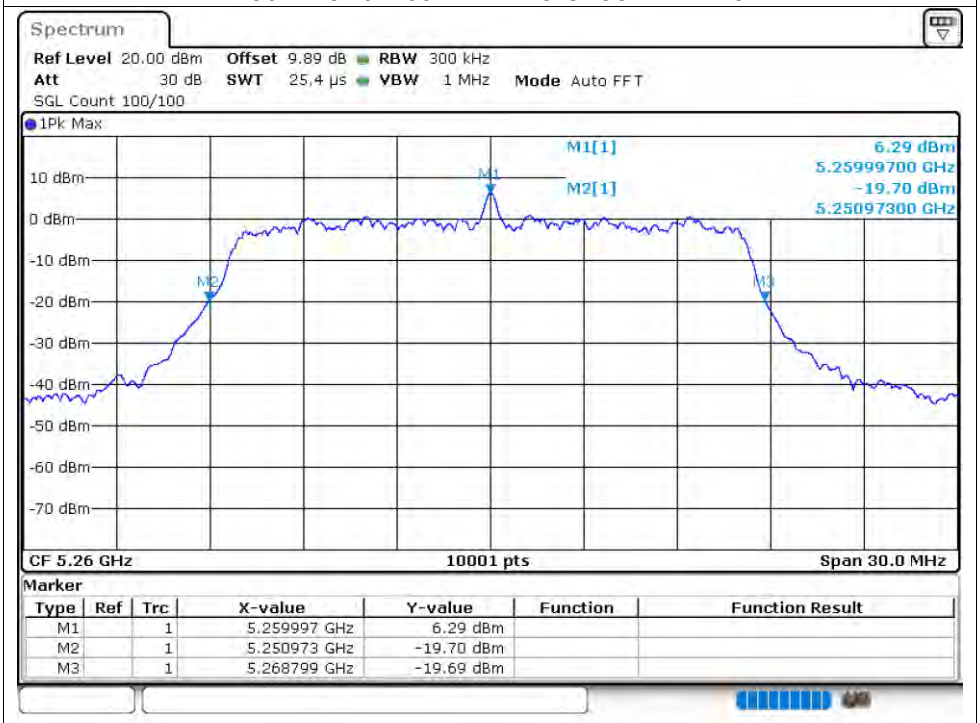
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	10.91	-	24	Pass
NVNT	a	5280	Ant1	9.92	-	24	Pass
NVNT	a	5320	Ant1	10.43	-	24	Pass
NVNT	a	5260	Ant2	9.93	-	24	Pass
NVNT	a	5280	Ant2	8.82	-	24	Pass
NVNT	a	5320	Ant2	8.61	-	24	Pass
NVNT	n20	5260	Ant1	10.8	13.34	24	Pass
NVNT	n20	5260	Ant2	9.8			
NVNT	n20	5280	Ant1	9.94	12.41	24	Pass
NVNT	n20	5280	Ant2	8.78			
NVNT	n20	5320	Ant1	10.3	12.54	24	Pass
NVNT	n20	5320	Ant2	8.58			
NVNT	n40	5270	Ant1	10.27	13.06	24	Pass
NVNT	n40	5270	Ant2	9.81			
NVNT	n40	5310	Ant1	10.43	12.63	24	Pass
NVNT	n40	5310	Ant2	8.62			
NVNT	ac20	5260	Ant1	10.79	13.31	24	Pass
NVNT	ac20	5260	Ant2	9.76			
NVNT	ac20	5280	Ant1	9.97	12.46	24	Pass
NVNT	ac20	5280	Ant2	8.85			
NVNT	ac20	5320	Ant1	10.44	12.64	24	Pass
NVNT	ac20	5320	Ant2	8.62			
NVNT	ac40	5270	Ant1	10.37	13.13	24	Pass
NVNT	ac40	5270	Ant2	9.85			
NVNT	ac40	5310	Ant1	10.23	12.94	24	Pass
NVNT	ac40	5310	Ant2	9.62			
NVNT	ac80	5290	Ant1	10.22	13.02	24	Pass
NVNT	ac80	5290	Ant2	9.78			
NVNT	ax20	5260	Ant1	10.79	13.33	24	Pass
NVNT	ax20	5260	Ant2	9.79			
NVNT	ax20	5280	Ant1	10.45	13.15	24	Pass
NVNT	ax20	5280	Ant2	9.81			
NVNT	ax20	5320	Ant1	11.02	13.45	24	Pass
NVNT	ax20	5320	Ant2	9.76			
NVNT	ax40	5270	Ant1	10.35	13.04	24	Pass
NVNT	ax40	5270	Ant2	9.69			
NVNT	ax40	5310	Ant1	10.36	12.92	24	Pass
NVNT	ax40	5310	Ant2	9.42			
NVNT	ax80	5290	Ant1	6.93	10.42	24	Pass
NVNT	ax80	5290	Ant2	7.84			

7.2.3 -26DB BANDWIDTH

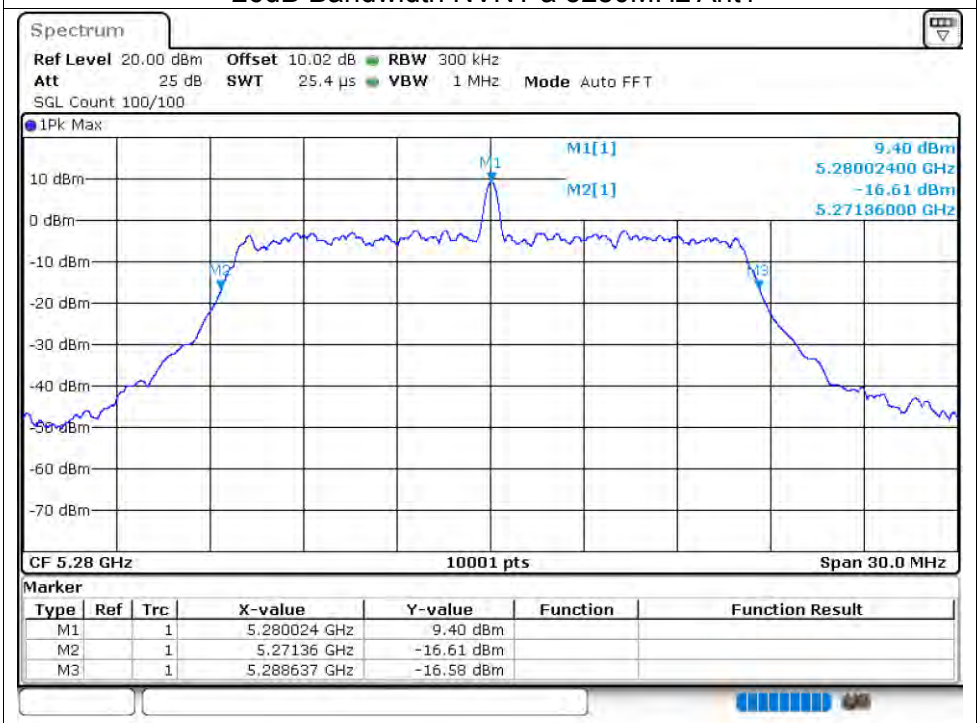
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	17.826	Pass
NVNT	a	5280	Ant1	17.277	Pass
NVNT	a	5320	Ant1	17.547	Pass
NVNT	a	5260	Ant2	18.801	Pass
NVNT	a	5280	Ant2	18.963	Pass
NVNT	a	5320	Ant2	18.825	Pass
NVNT	n20	5260	Ant1	18.747	Pass
NVNT	n20	5280	Ant1	18.408	Pass
NVNT	n20	5320	Ant1	18.789	Pass
NVNT	n20	5260	Ant2	20.232	Pass
NVNT	n20	5280	Ant2	20.403	Pass
NVNT	n20	5320	Ant2	20.358	Pass
NVNT	n40	5270	Ant1	38.4	Pass
NVNT	n40	5310	Ant1	39.906	Pass
NVNT	n40	5270	Ant2	39.888	Pass
NVNT	n40	5310	Ant2	39.828	Pass
NVNT	ac20	5260	Ant1	19.011	Pass
NVNT	ac20	5280	Ant1	18.858	Pass
NVNT	ac20	5320	Ant1	18.351	Pass
NVNT	ac20	5260	Ant2	20.19	Pass
NVNT	ac20	5280	Ant2	20.346	Pass
NVNT	ac20	5320	Ant2	20.1	Pass
NVNT	ac40	5270	Ant1	38.688	Pass
NVNT	ac40	5310	Ant1	39.978	Pass
NVNT	ac40	5270	Ant2	39.828	Pass
NVNT	ac40	5310	Ant2	39.774	Pass
NVNT	ac80	5290	Ant1	79.56	Pass
NVNT	ac80	5290	Ant2	81.984	Pass
NVNT	ax20	5260	Ant1	19.731	Pass
NVNT	ax20	5280	Ant1	19.737	Pass
NVNT	ax20	5320	Ant1	20.073	Pass
NVNT	ax20	5260	Ant2	20.865	Pass
NVNT	ax20	5280	Ant2	21.186	Pass
NVNT	ax20	5320	Ant2	21.129	Pass
NVNT	ax40	5270	Ant1	39.198	Pass
NVNT	ax40	5310	Ant1	40.83	Pass
NVNT	ax40	5270	Ant2	40.386	Pass
NVNT	ax40	5310	Ant2	40.596	Pass
NVNT	ax80	5290	Ant1	82.476	Pass
NVNT	ax80	5290	Ant2	82.644	Pass

Test Graphs

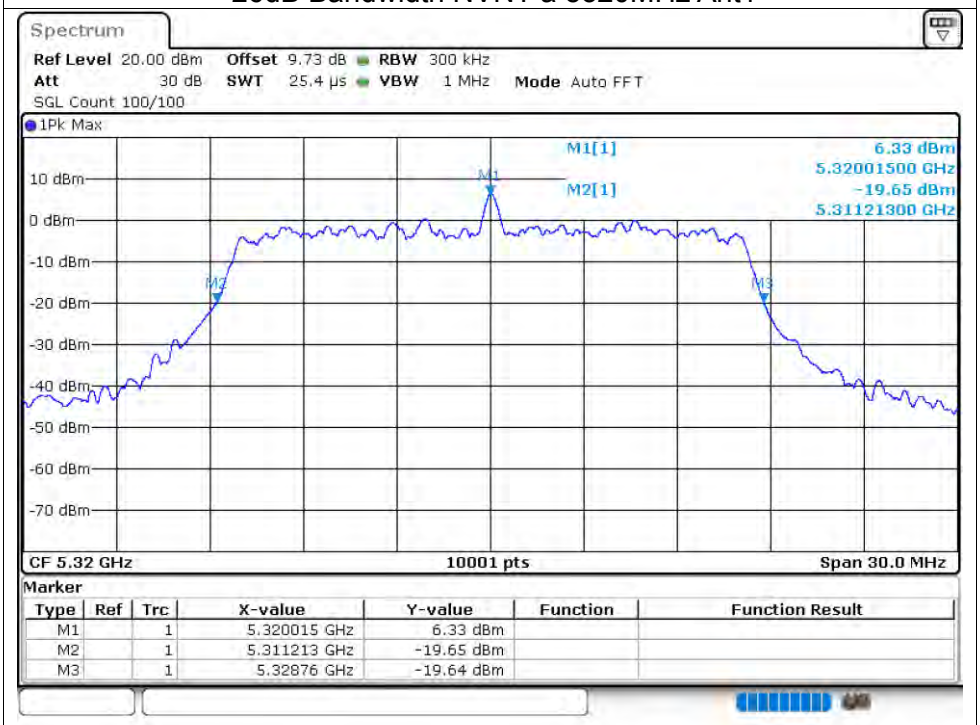
-26dB Bandwidth NVNT a 5260MHz Ant1



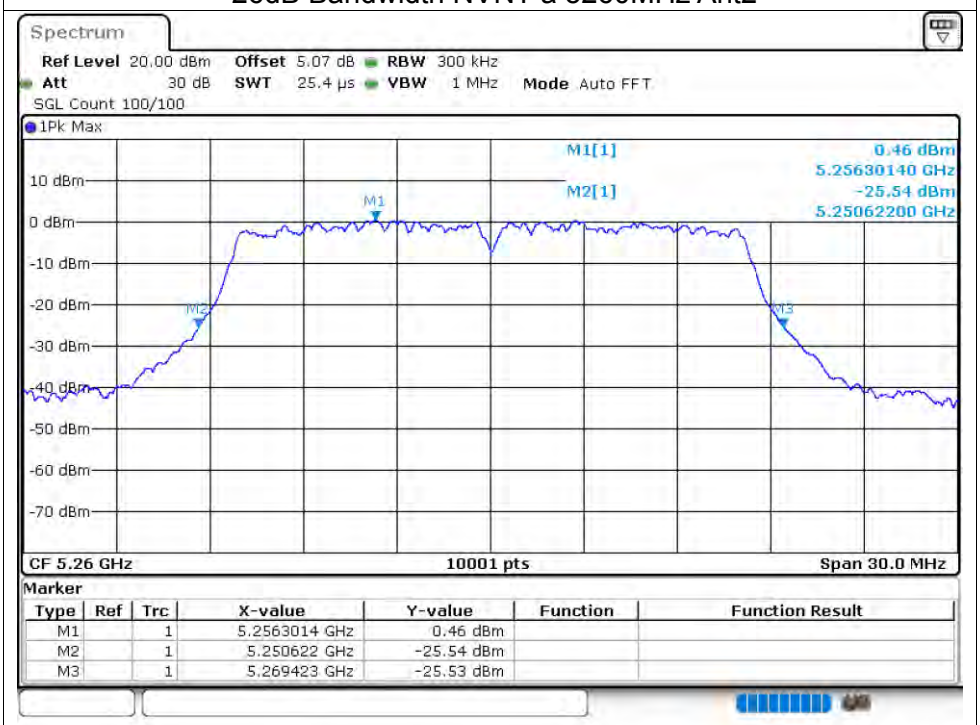
-26dB Bandwidth NVNT a 5280MHz Ant1



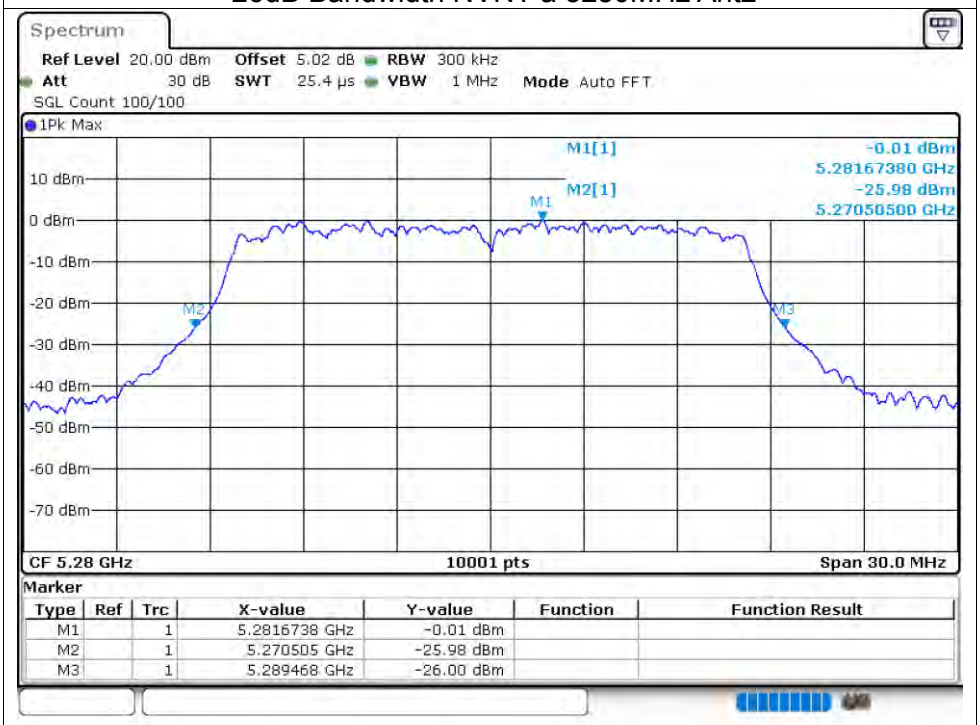
-26dB Bandwidth NVNT a 5320MHz Ant1



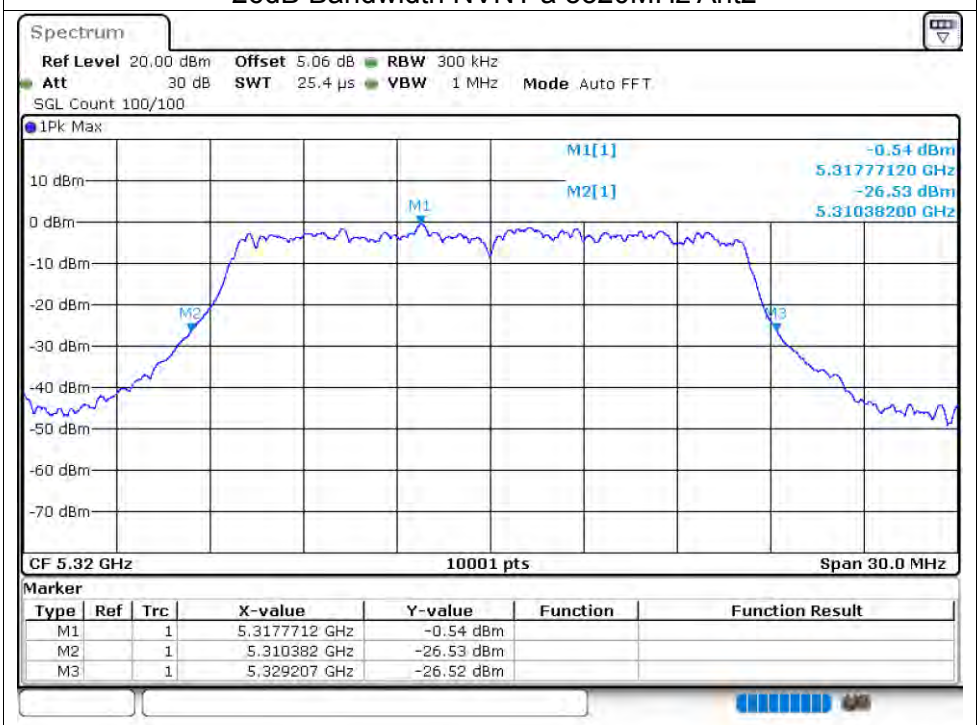
-26dB Bandwidth NVNT a 5260MHz Ant2



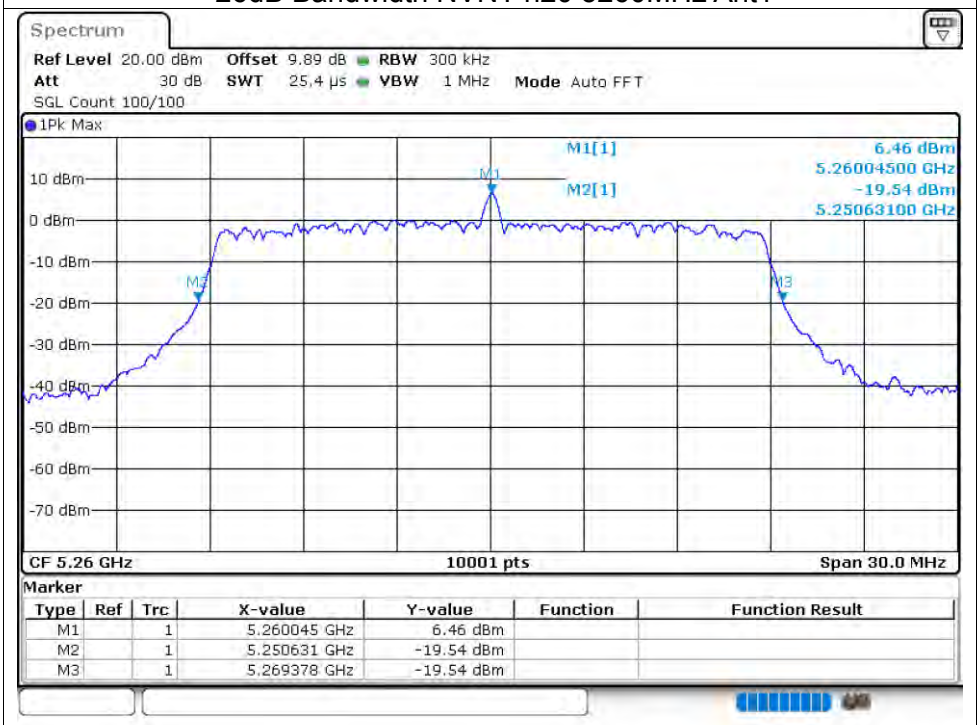
-26dB Bandwidth NVNT a 5280MHz Ant2



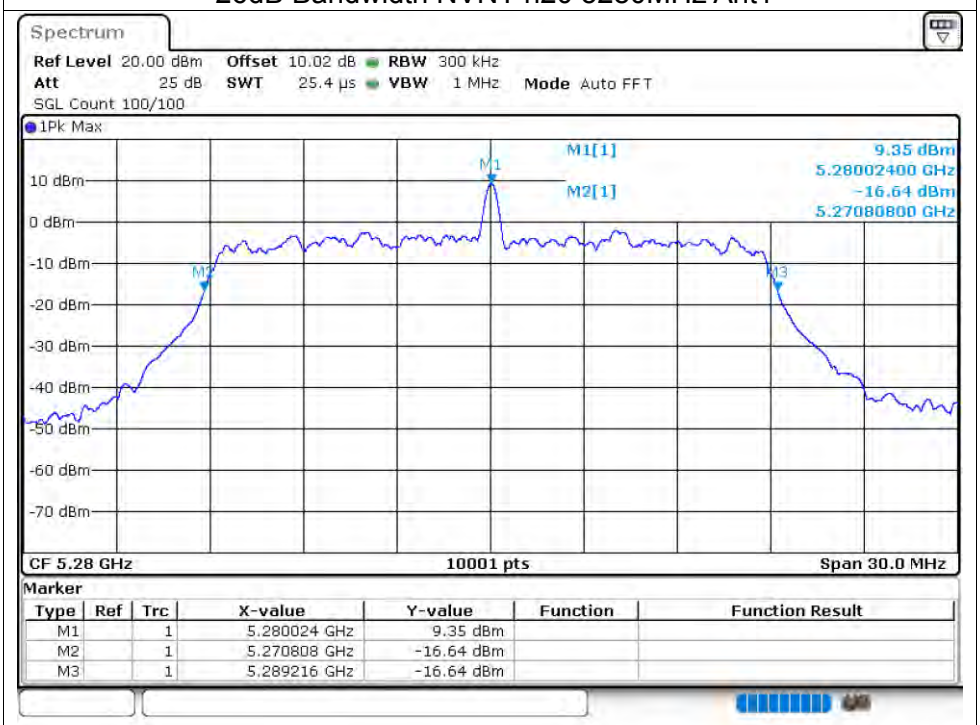
-26dB Bandwidth NVNT a 5320MHz Ant2



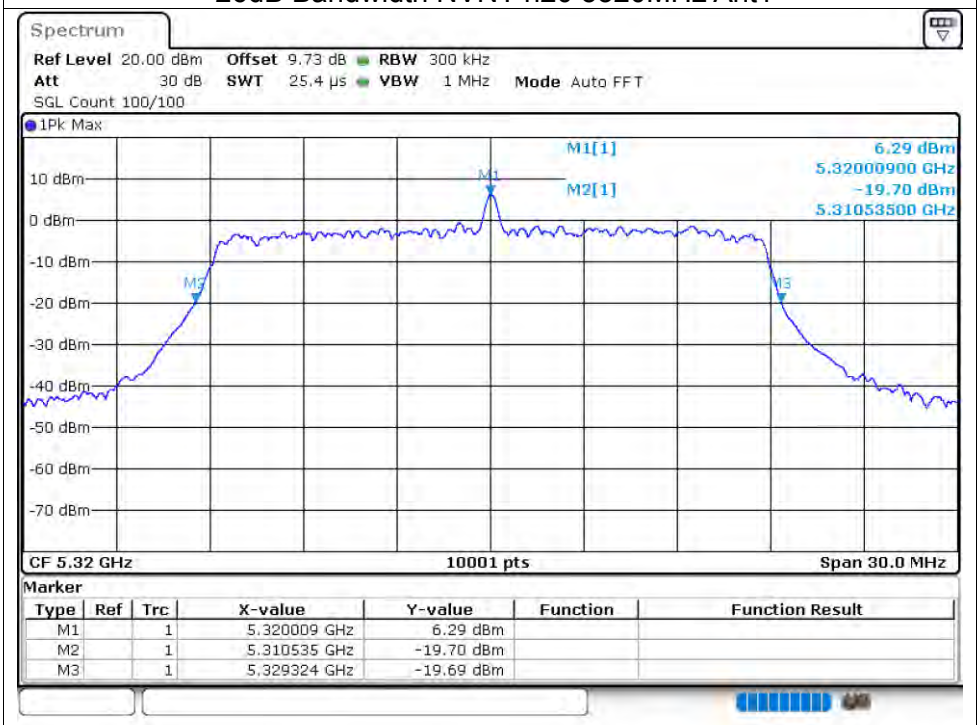
-26dB Bandwidth NVNT n20 5260MHz Ant1



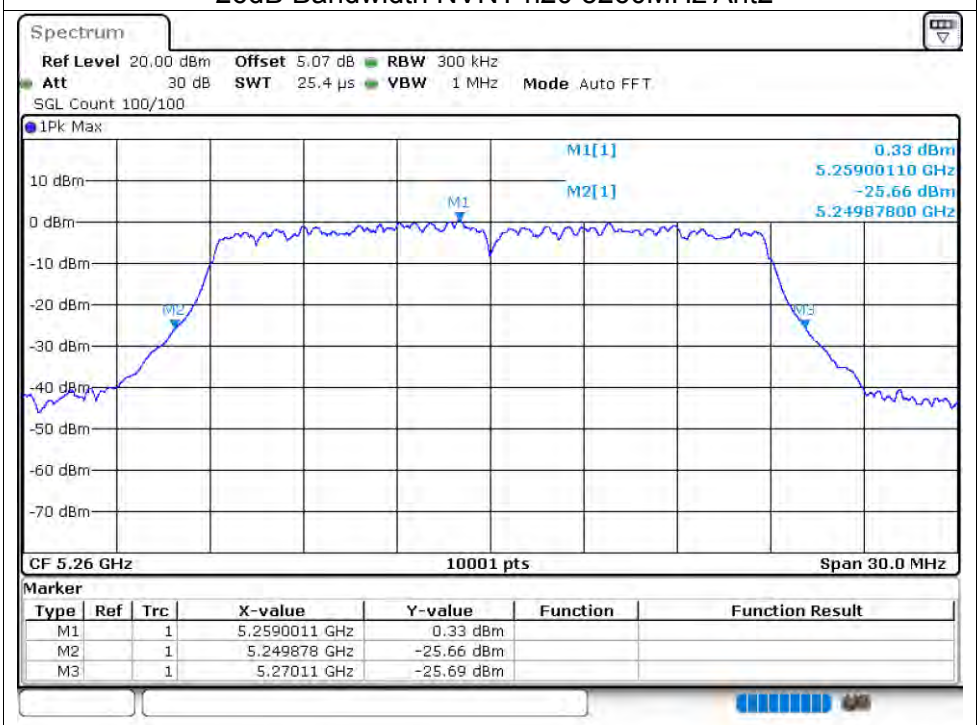
-26dB Bandwidth NVNT n20 5280MHz Ant1



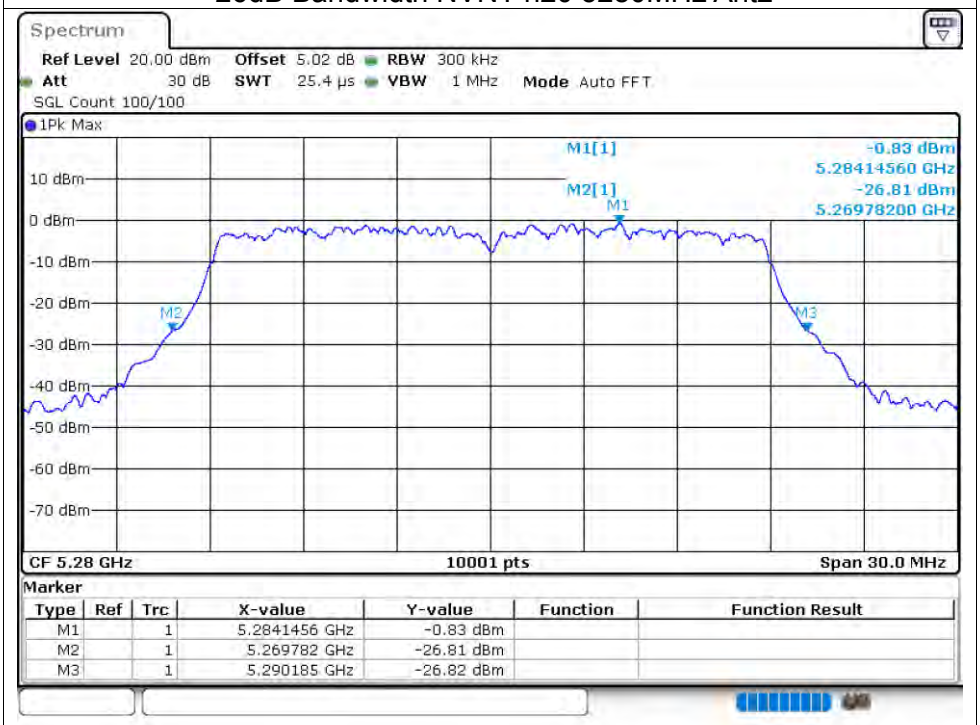
-26dB Bandwidth NVNT n20 5320MHz Ant1



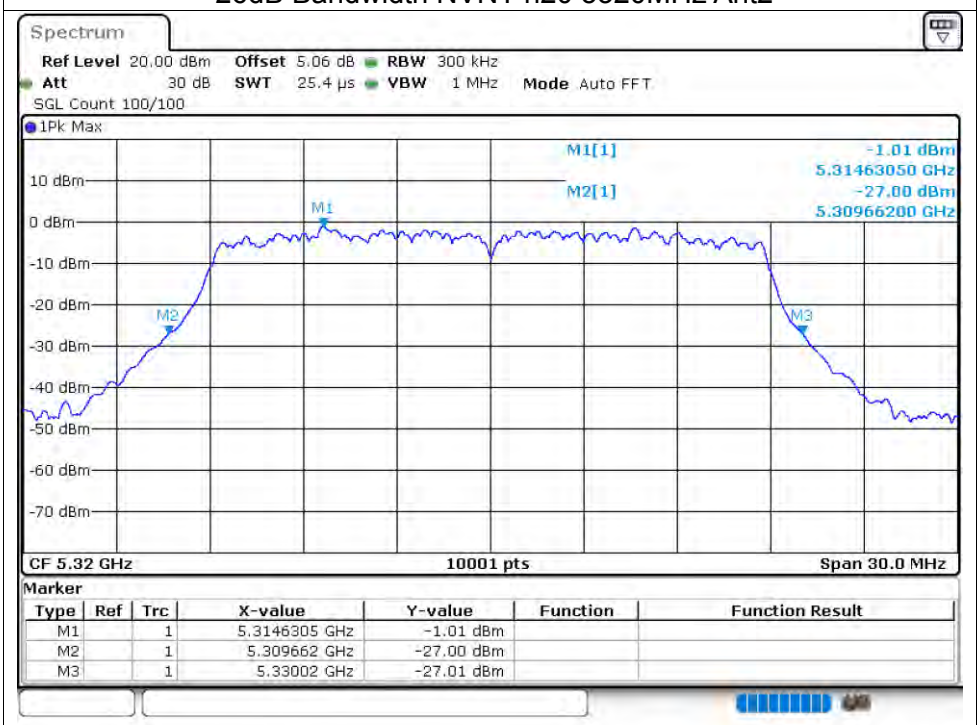
-26dB Bandwidth NVNT n20 5260MHz Ant2



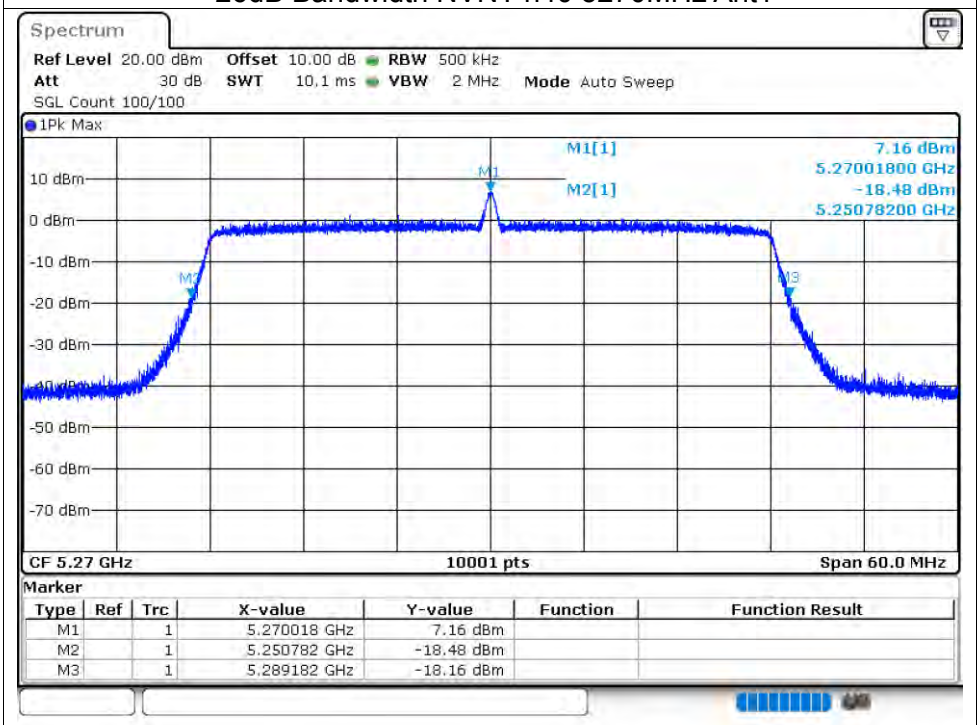
-26dB Bandwidth NVNT n20 5280MHz Ant2



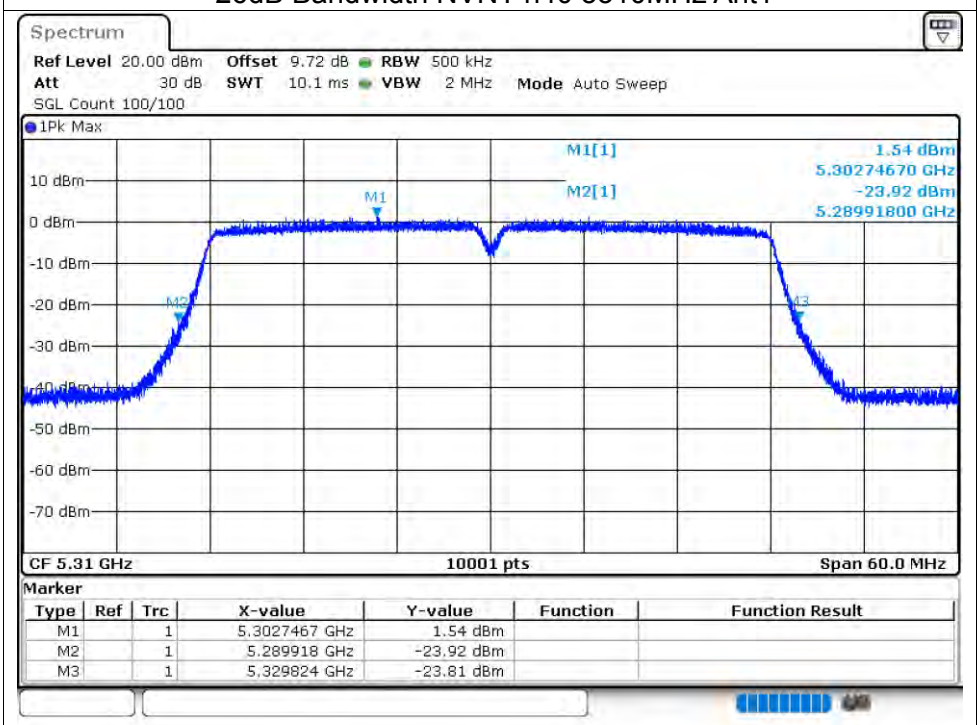
-26dB Bandwidth NVNT n20 5320MHz Ant2



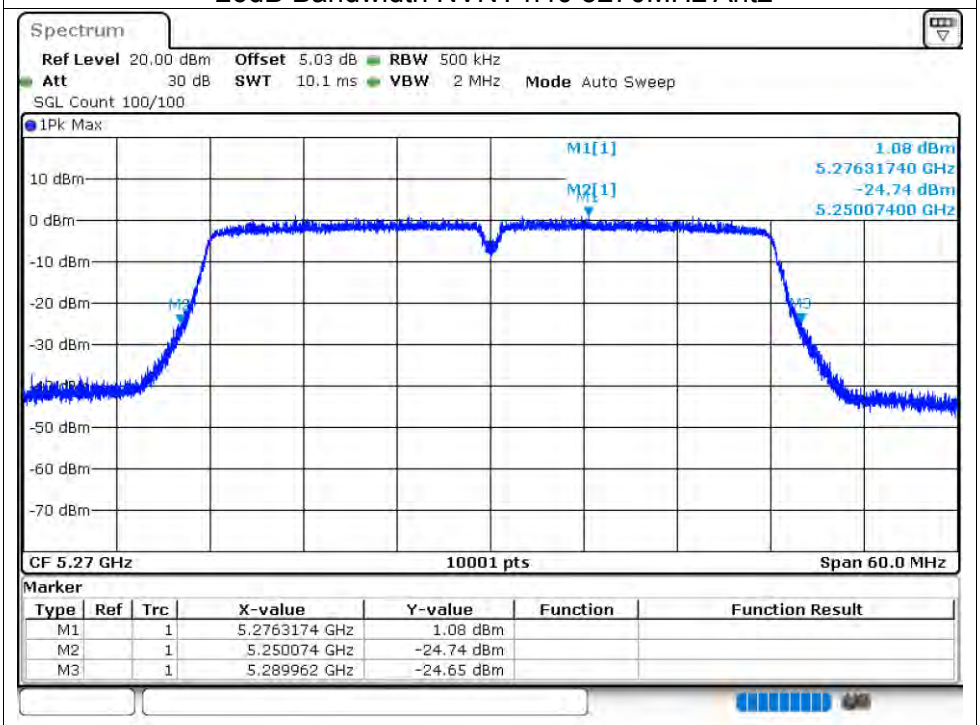
-26dB Bandwidth NVNT n40 5270MHz Ant1



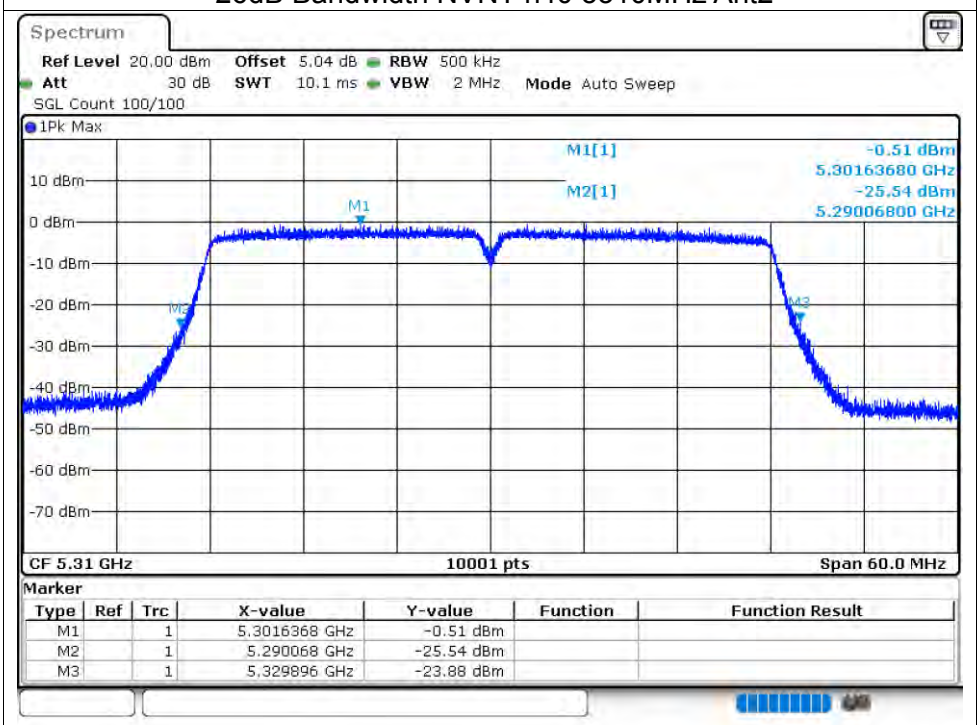
-26dB Bandwidth NVNT n40 5310MHz Ant1



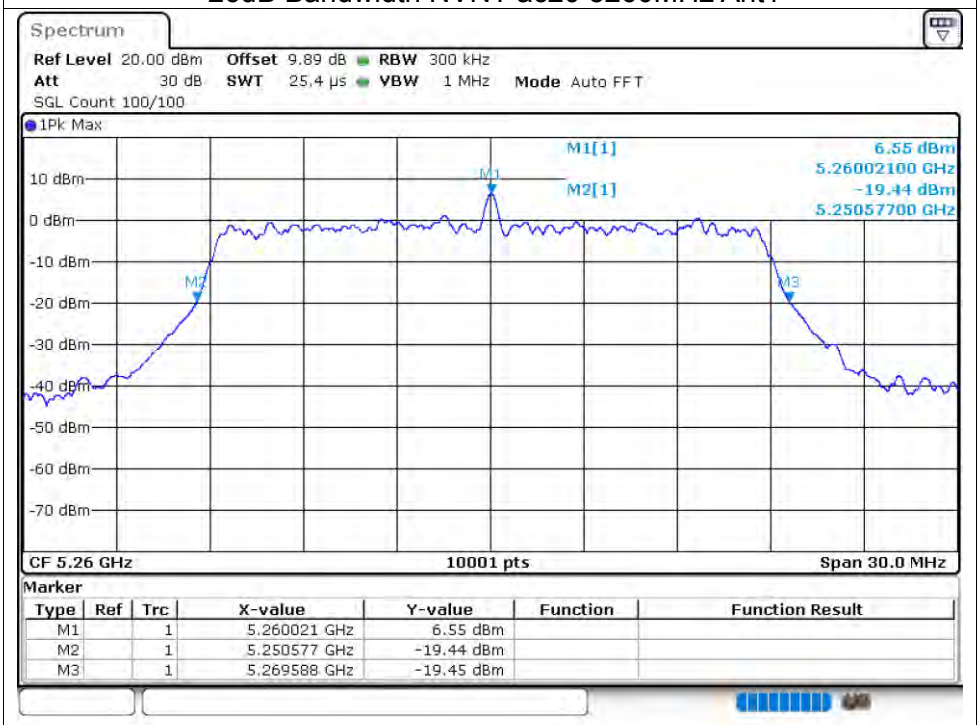
-26dB Bandwidth NVNT n40 5270MHz Ant2



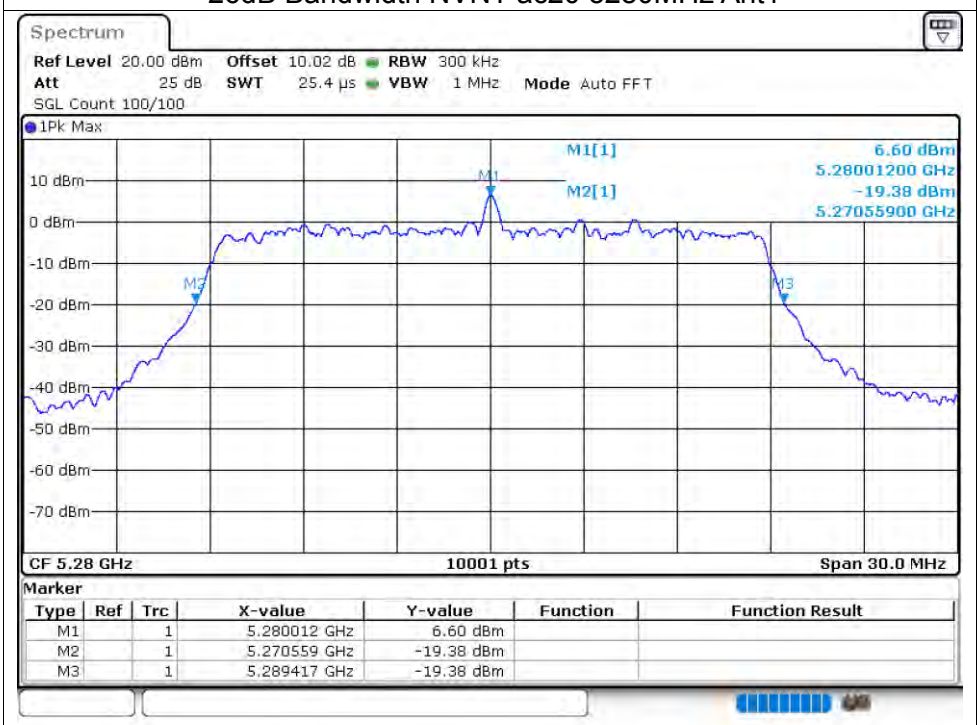
-26dB Bandwidth NVNT n40 5310MHz Ant2



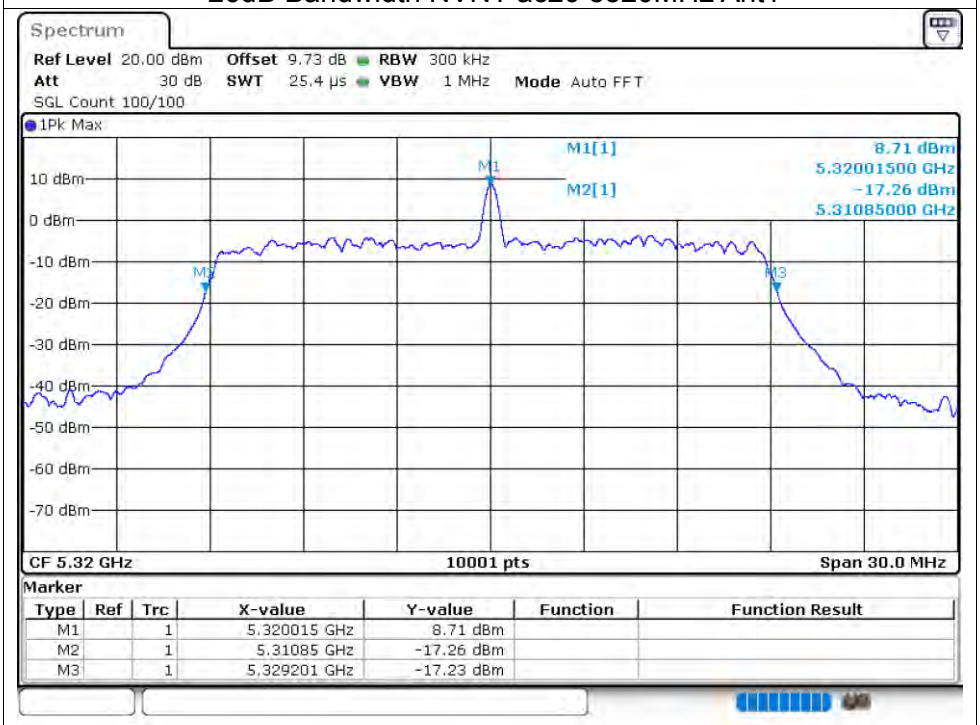
-26dB Bandwidth NVNT ac20 5260MHz Ant1



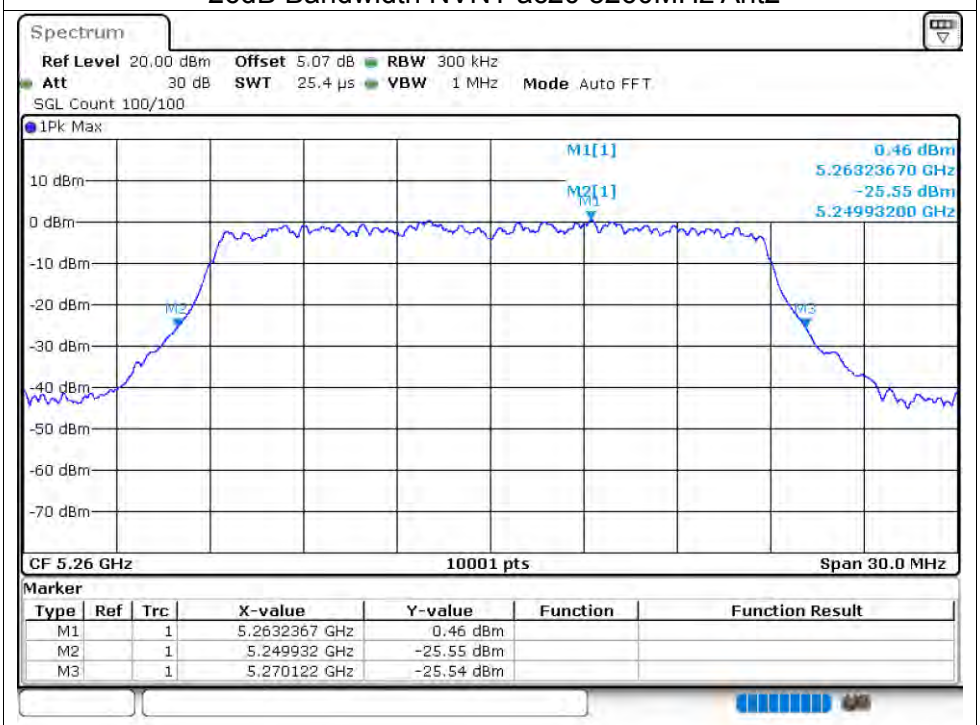
-26dB Bandwidth NVNT ac20 5280MHz Ant1



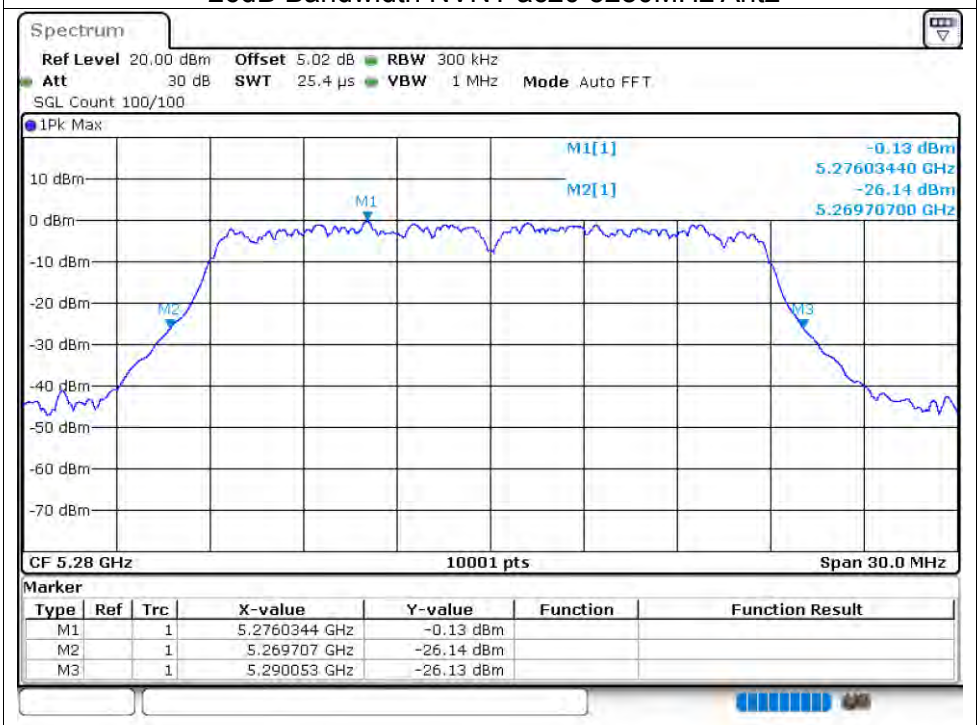
-26dB Bandwidth NVNT ac20 5320MHz Ant1



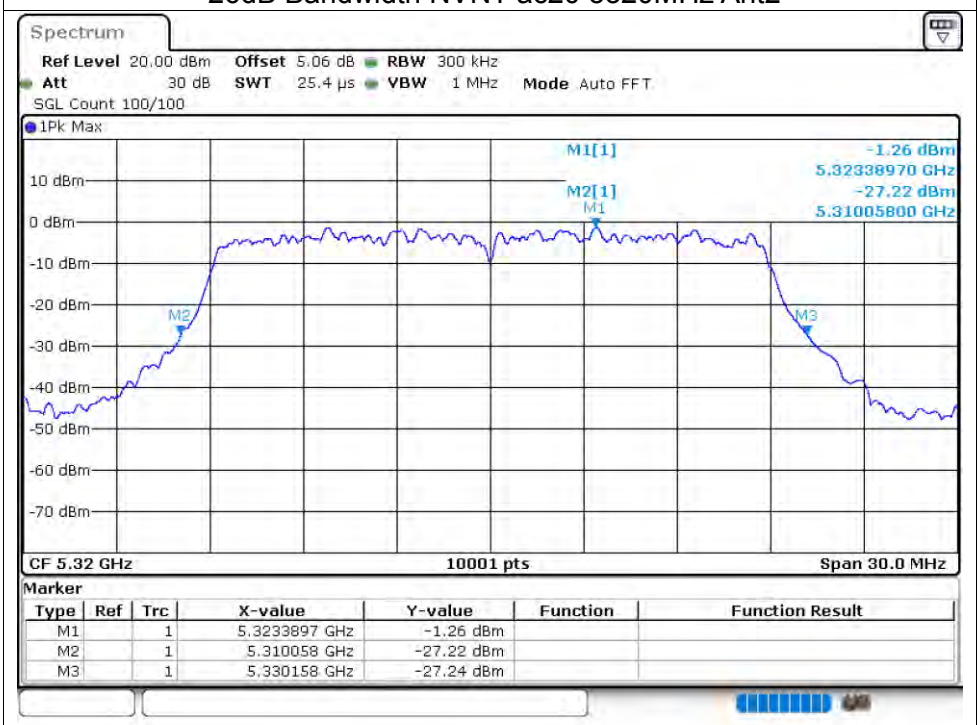
-26dB Bandwidth NVNT ac20 5260MHz Ant2



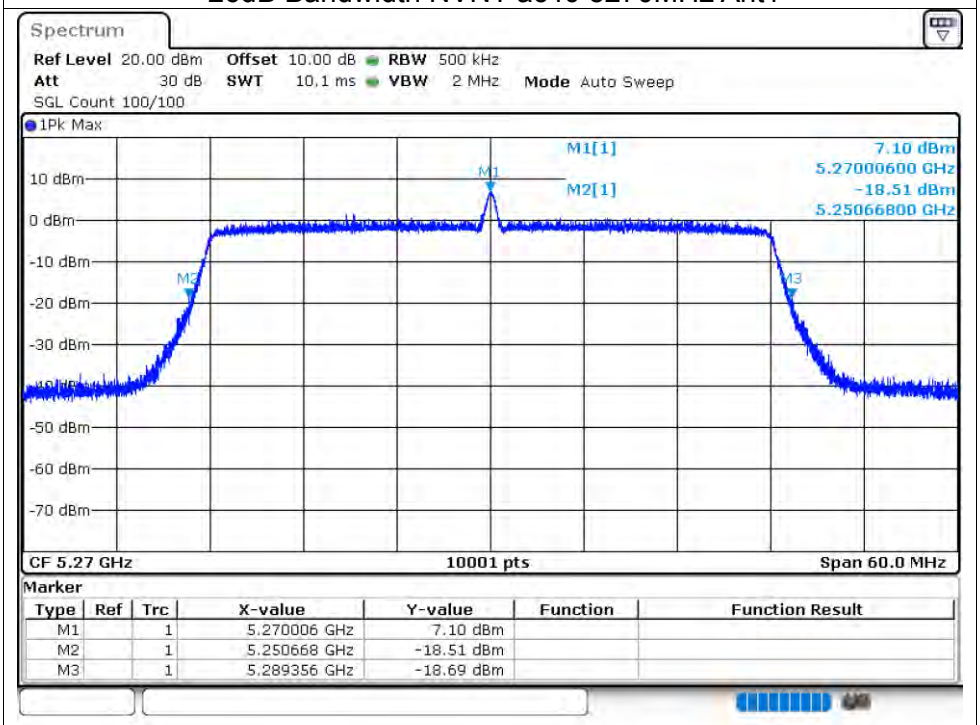
-26dB Bandwidth NVNT ac20 5280MHz Ant2



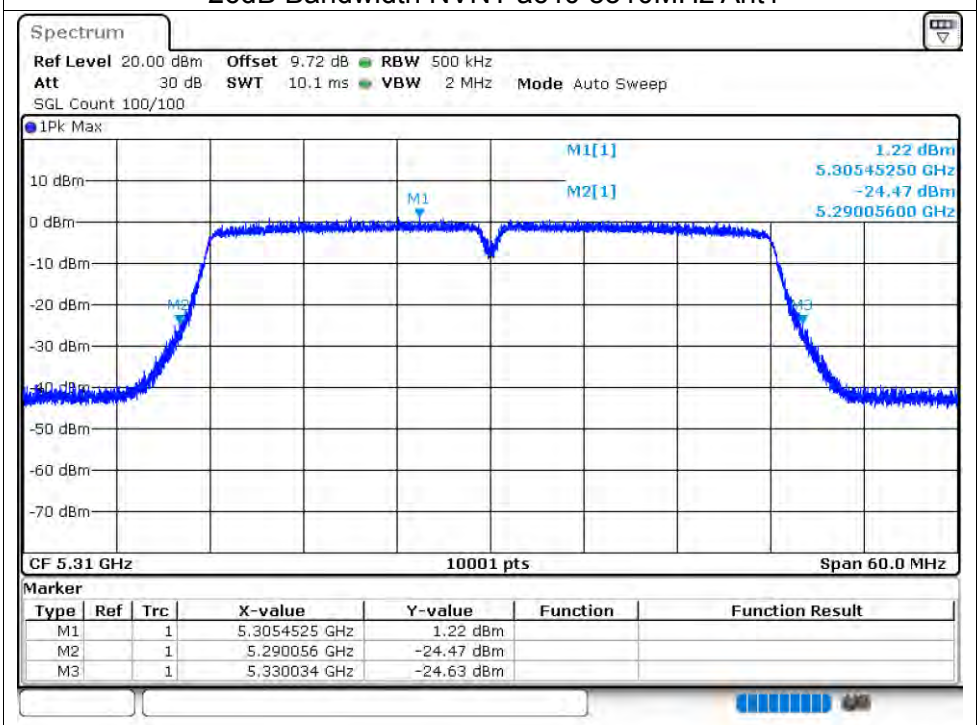
-26dB Bandwidth NVNT ac20 5320MHz Ant2



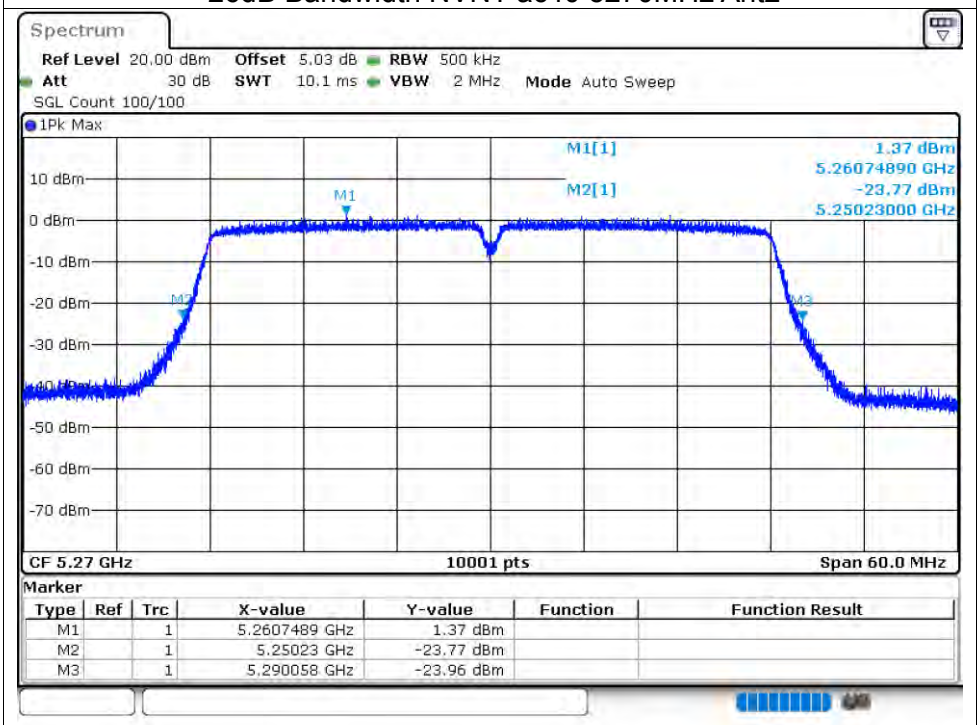
-26dB Bandwidth NVNT ac40 5270MHz Ant1



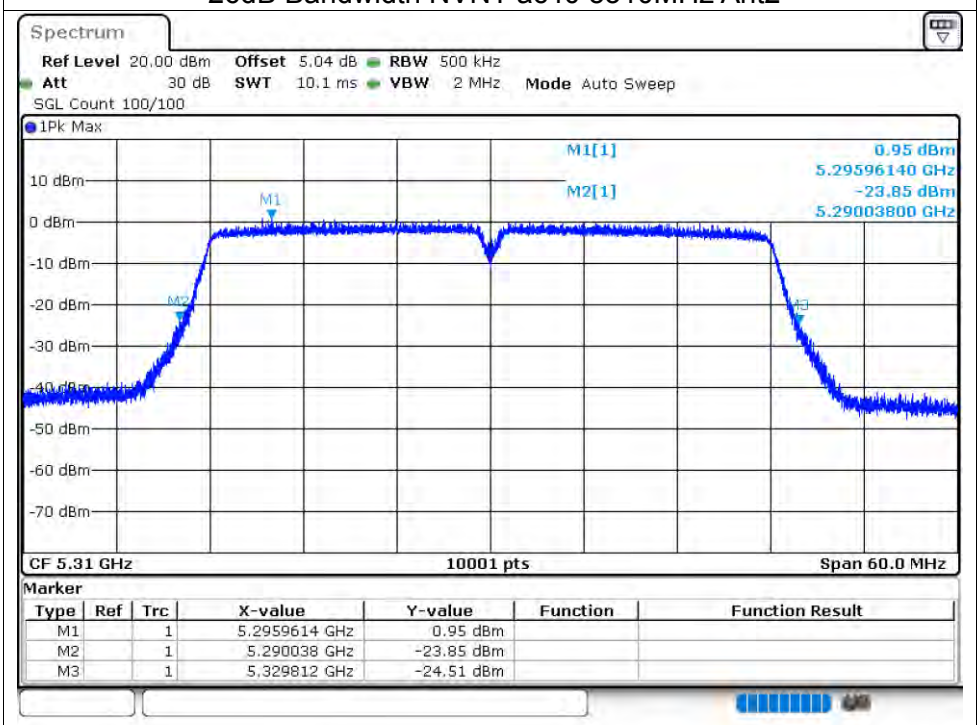
-26dB Bandwidth NVNT ac40 5310MHz Ant1



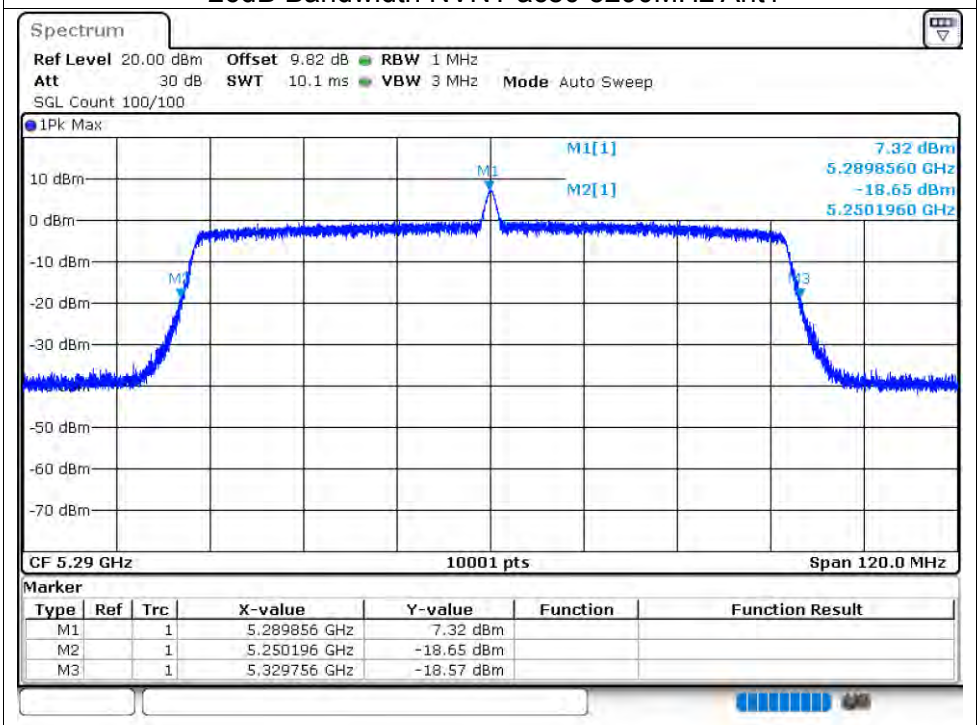
-26dB Bandwidth NVNT ac40 5270MHz Ant2



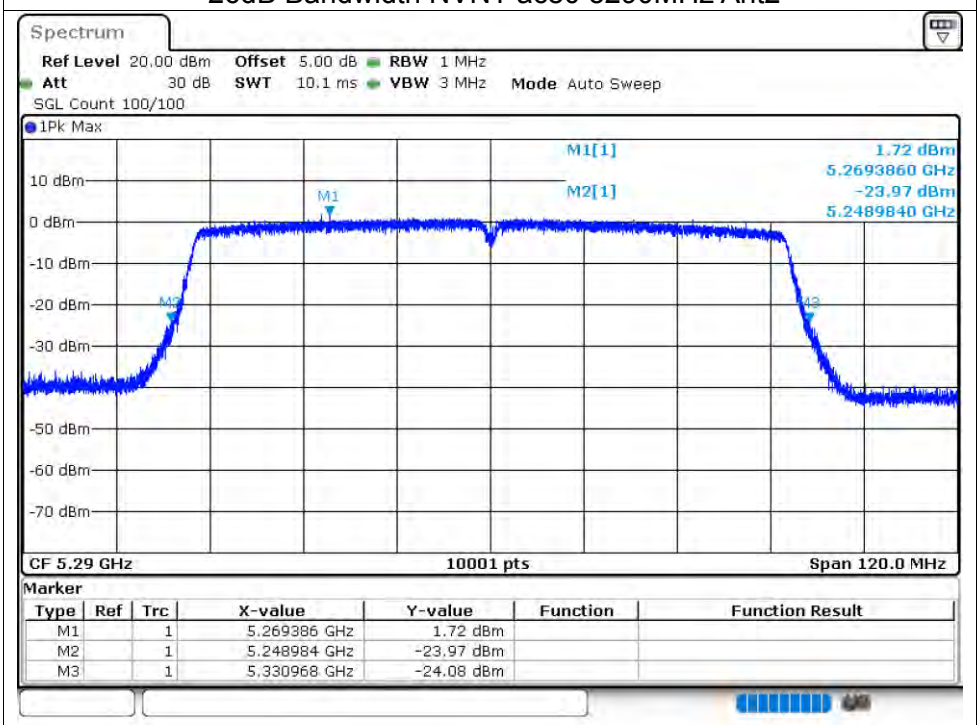
-26dB Bandwidth NVNT ac40 5310MHz Ant2



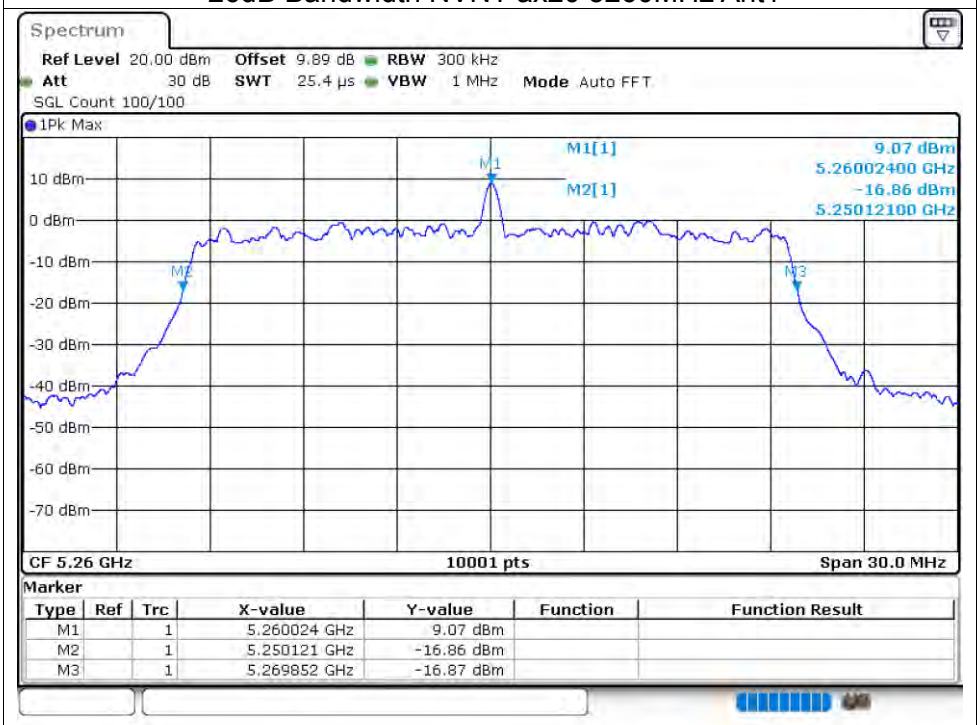
-26dB Bandwidth NVNT ac80 5290MHz Ant1



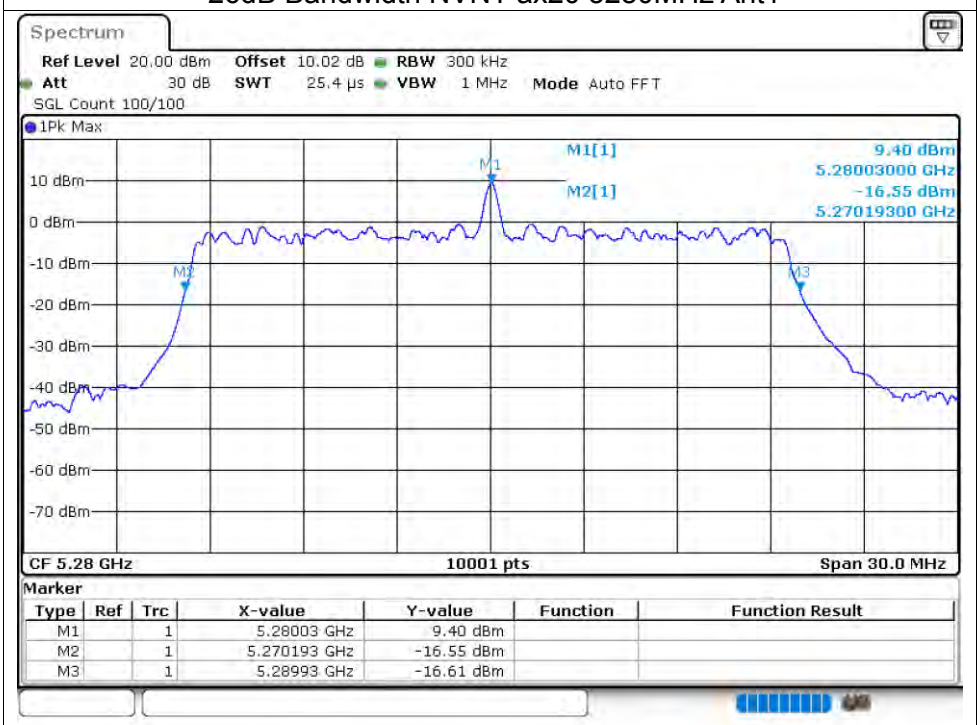
-26dB Bandwidth NVNT ac80 5290MHz Ant2



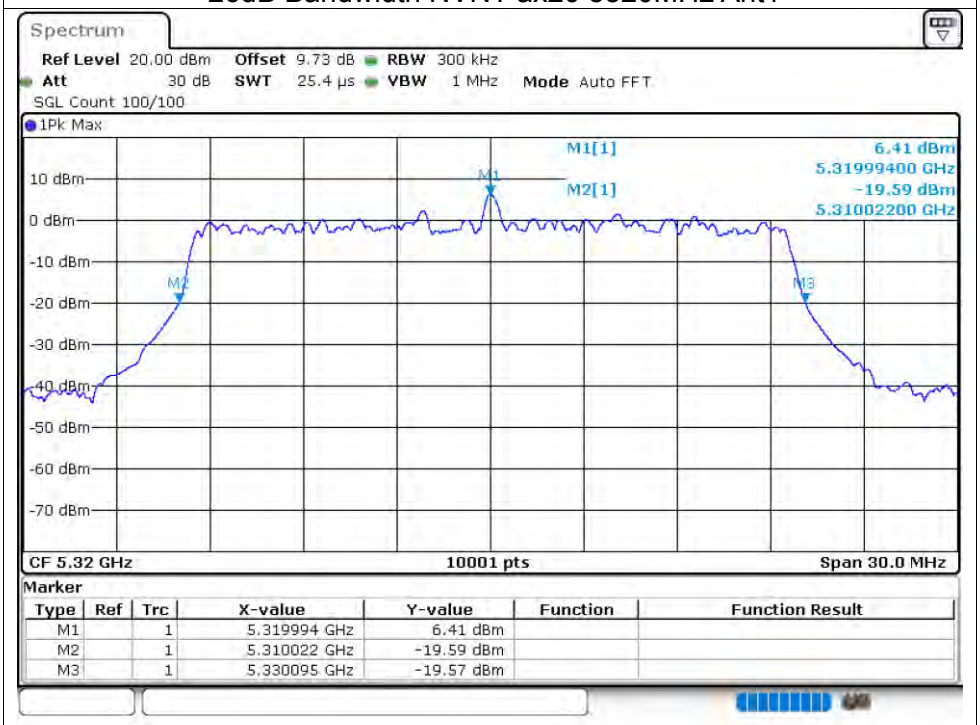
-26dB Bandwidth NVNT ax20 5260MHz Ant1



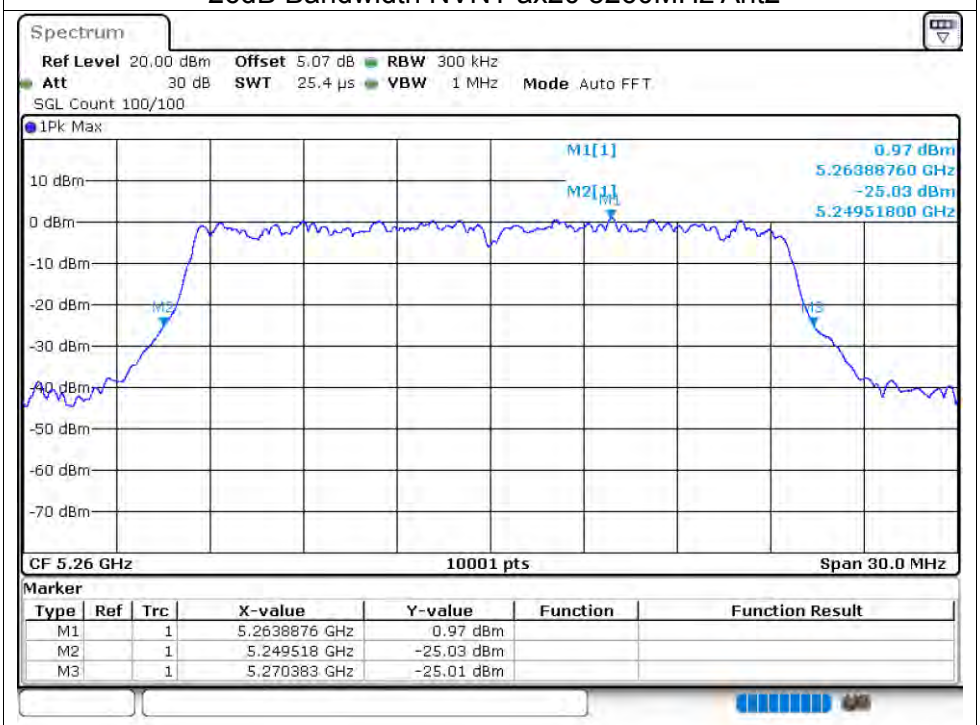
-26dB Bandwidth NVNT ax20 5280MHz Ant1



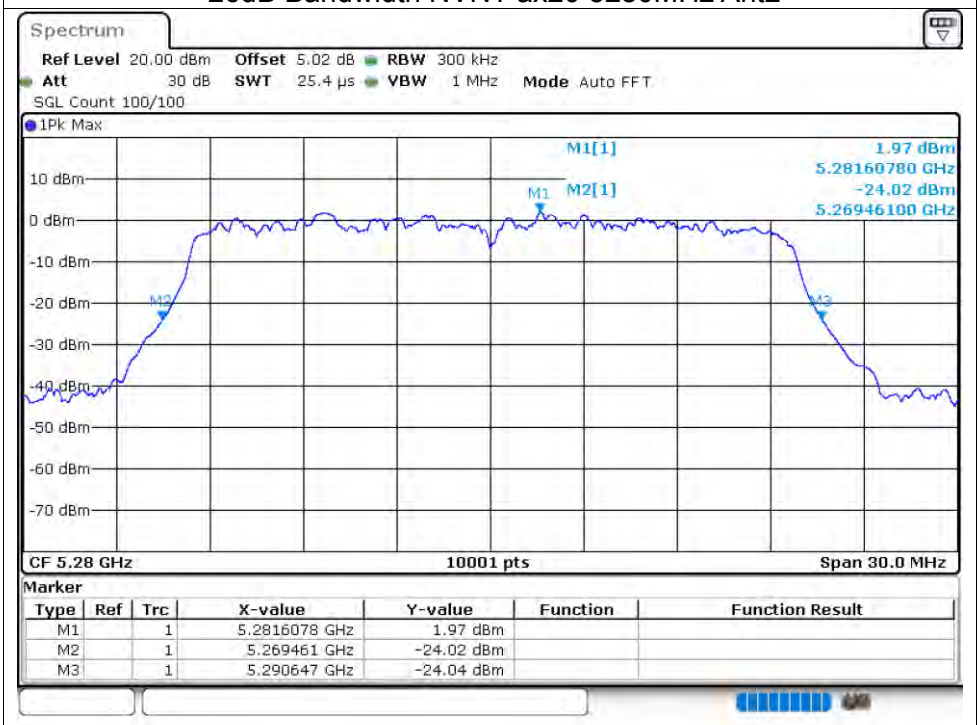
-26dB Bandwidth NVNT ax20 5320MHz Ant1



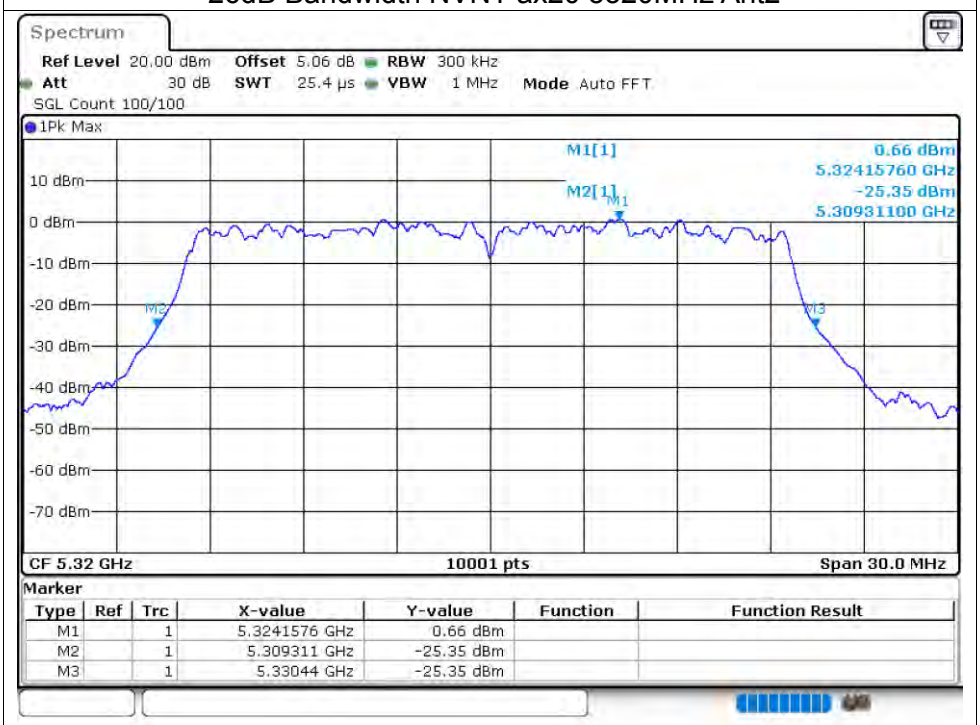
-26dB Bandwidth NVNT ax20 5260MHz Ant2



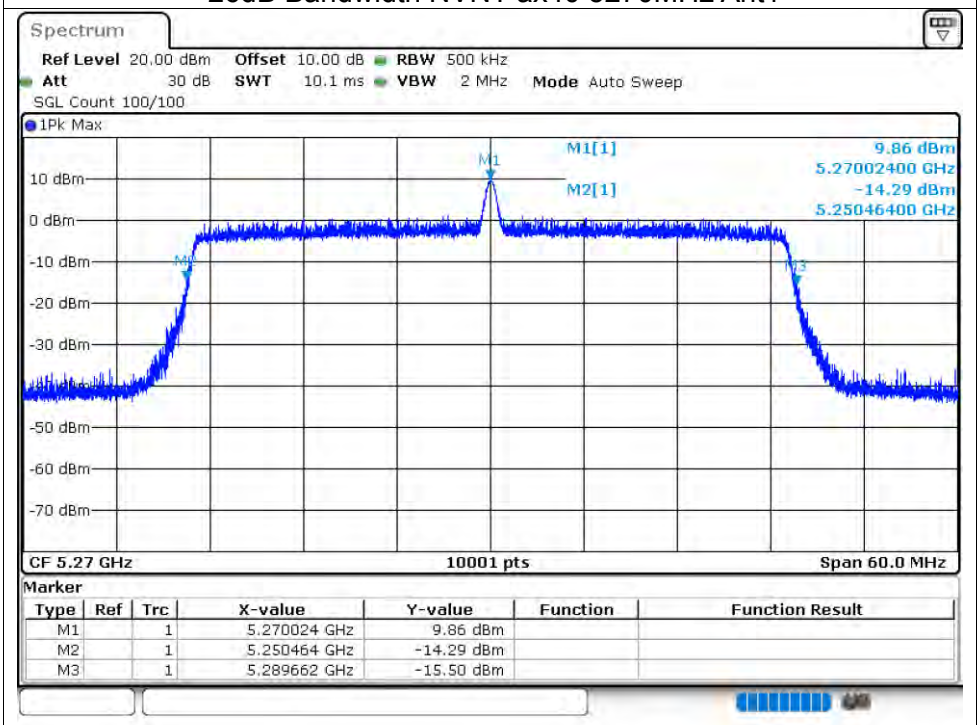
-26dB Bandwidth NVNT ax20 5280MHz Ant2



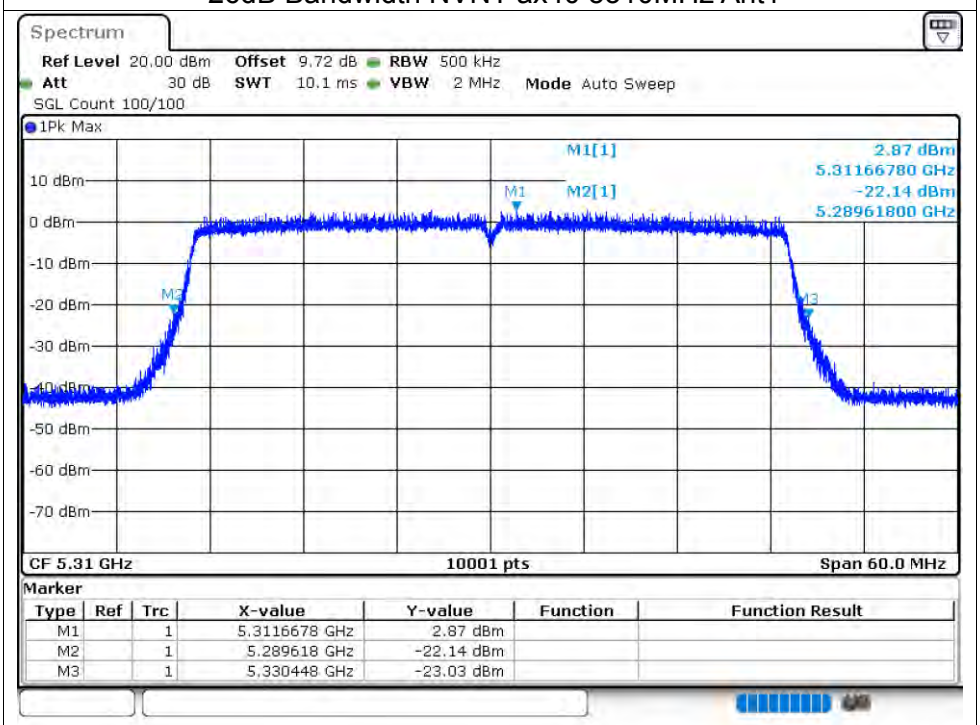
-26dB Bandwidth NVNT ax20 5320MHz Ant2



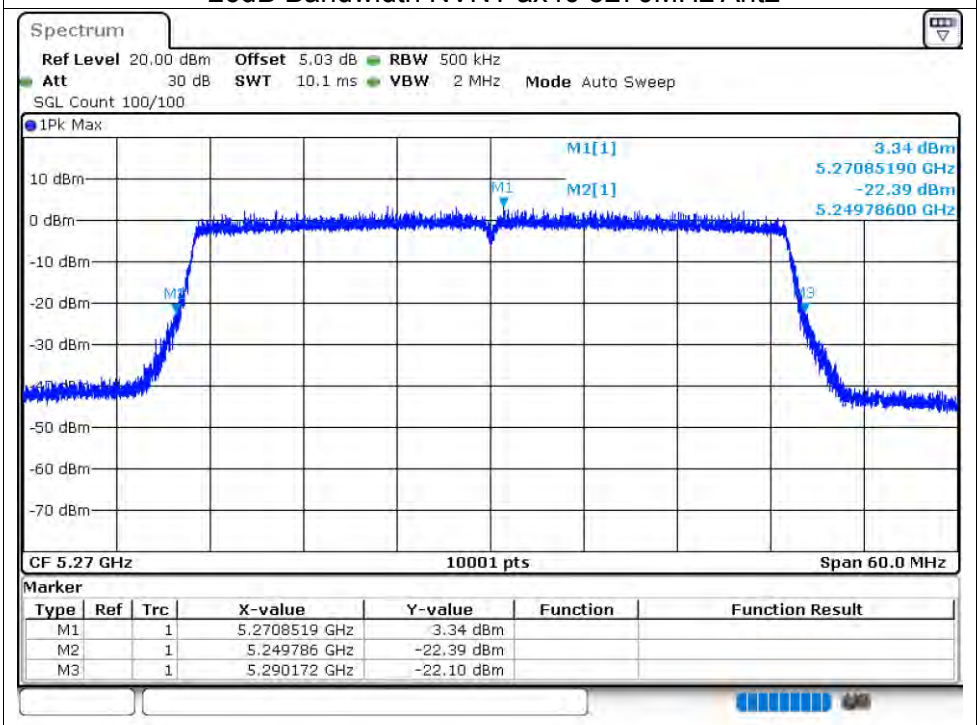
-26dB Bandwidth NVNT ax40 5270MHz Ant1



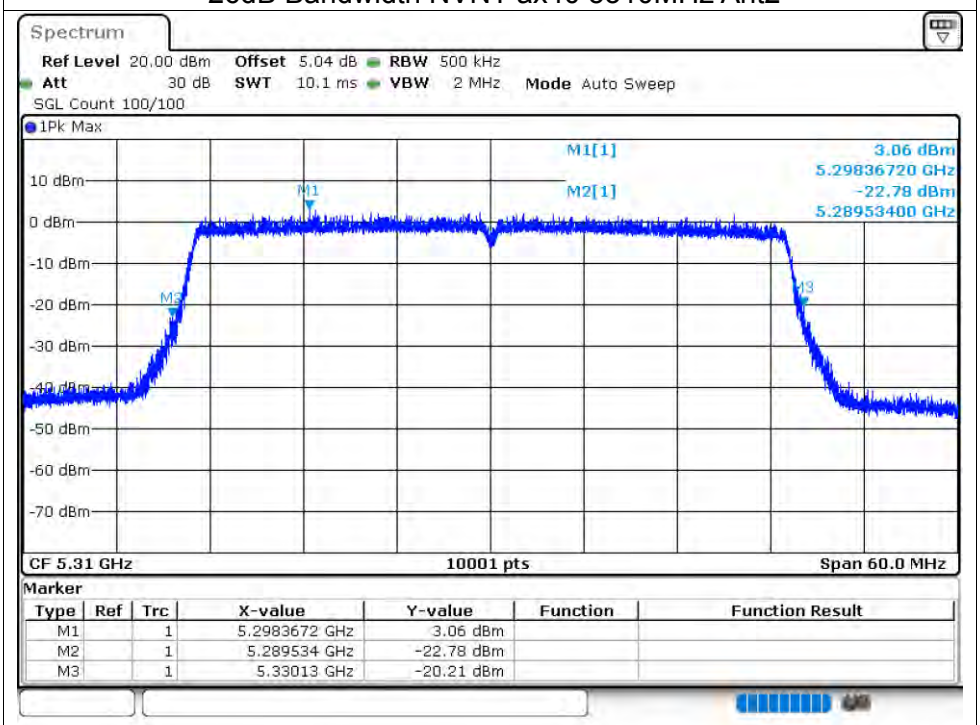
-26dB Bandwidth NVNT ax40 5310MHz Ant1



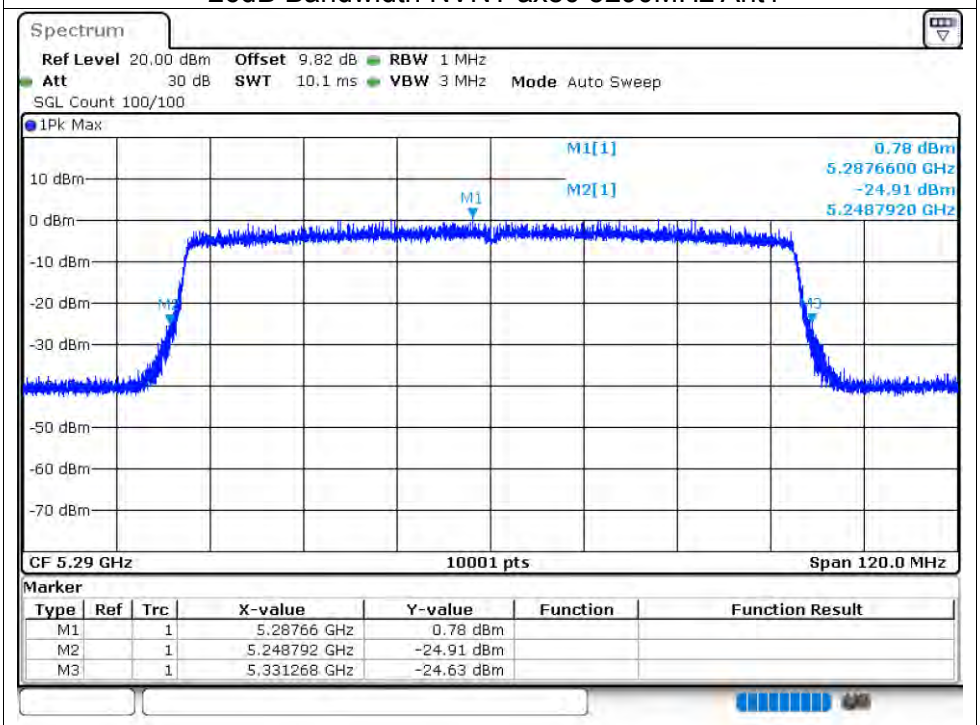
-26dB Bandwidth NVNT ax40 5270MHz Ant2



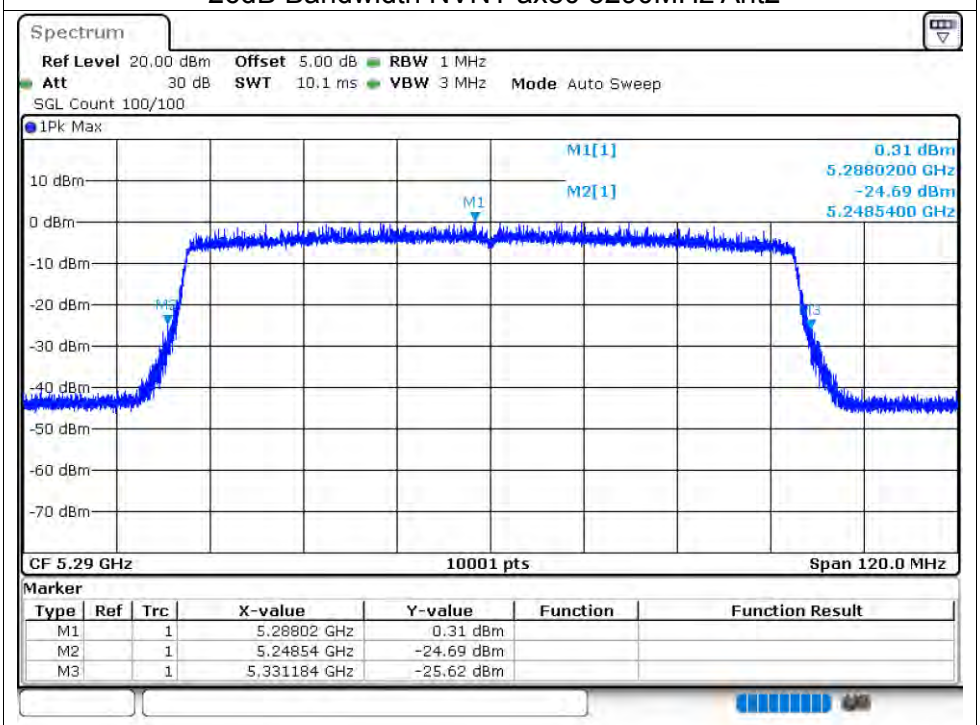
-26dB Bandwidth NVNT ax40 5310MHz Ant2



-26dB Bandwidth NVNT ax80 5290MHz Ant1



-26dB Bandwidth NVNT ax80 5290MHz Ant2

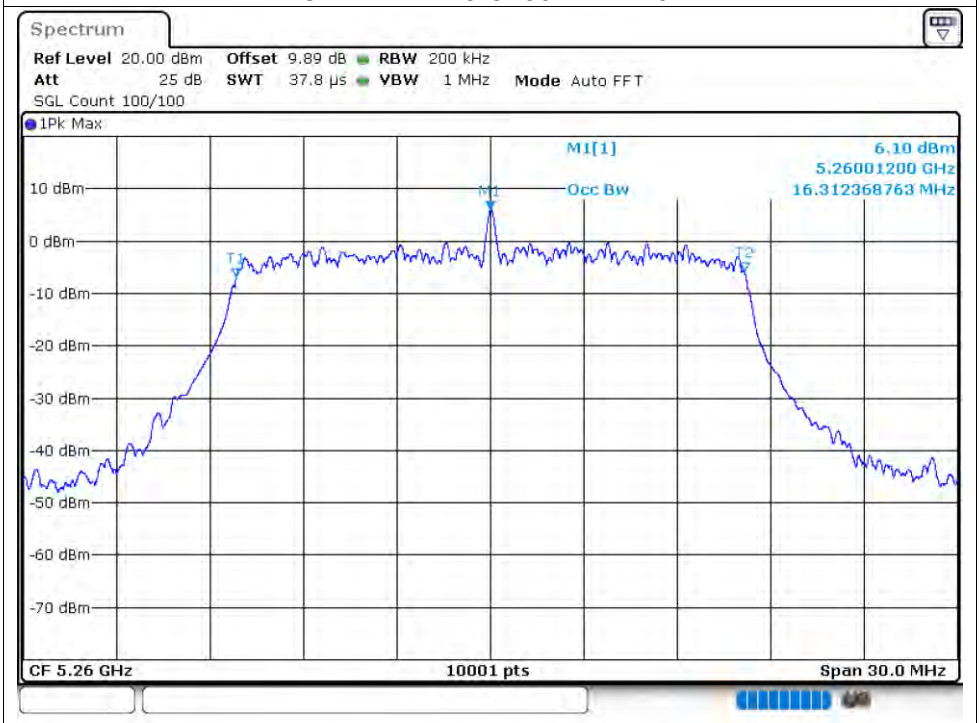


7.2.4 OCCUPIED CHANNEL BANDWIDTH

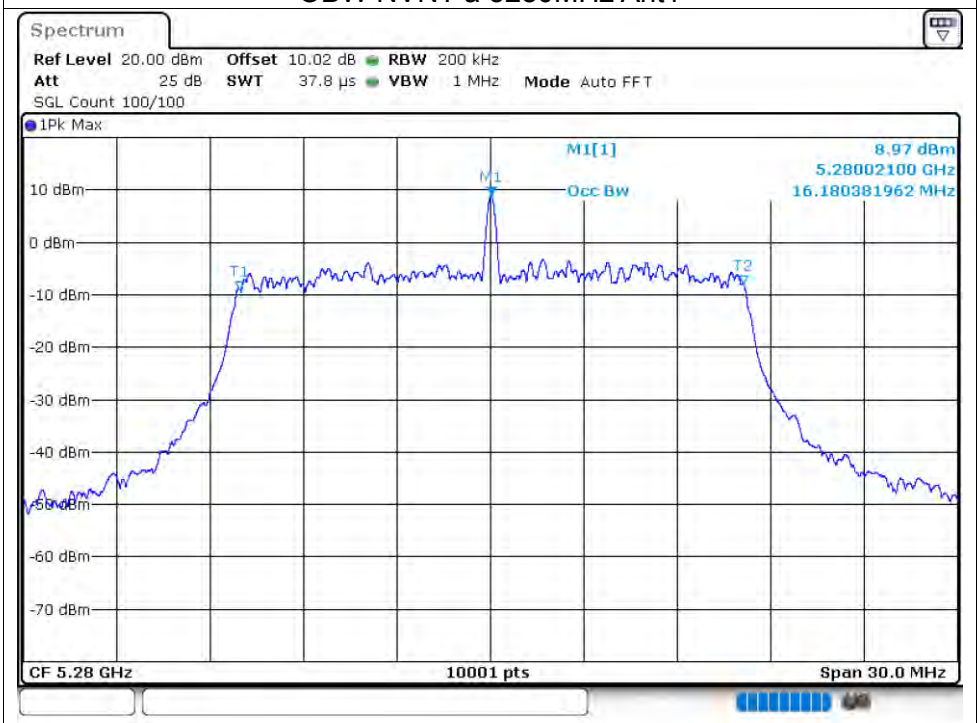
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	16.312
NVNT	a	5280	Ant1	16.18
NVNT	a	5320	Ant1	16.348
NVNT	a	5260	Ant2	16.351
NVNT	a	5280	Ant2	16.324
NVNT	a	5320	Ant2	16.399
NVNT	n20	5260	Ant1	17.497
NVNT	n20	5280	Ant1	17.434
NVNT	n20	5320	Ant1	17.587
NVNT	n20	5260	Ant2	17.56
NVNT	n20	5280	Ant2	17.569
NVNT	n20	5320	Ant2	17.593
NVNT	n40	5270	Ant1	36.02
NVNT	n40	5310	Ant1	36.056
NVNT	n40	5270	Ant2	36.074
NVNT	n40	5310	Ant2	36.08
NVNT	ac20	5260	Ant1	17.512
NVNT	ac20	5280	Ant1	17.533
NVNT	ac20	5320	Ant1	17.431
NVNT	ac20	5260	Ant2	17.584
NVNT	ac20	5280	Ant2	17.59
NVNT	ac20	5320	Ant2	17.581
NVNT	ac40	5270	Ant1	36.008
NVNT	ac40	5310	Ant1	36.068
NVNT	ac40	5270	Ant2	36.086
NVNT	ac40	5310	Ant2	36.086
NVNT	ac80	5290	Ant1	75.232
NVNT	ac80	5290	Ant2	75.352
NVNT	ax20	5260	Ant1	18.826
NVNT	ax20	5280	Ant1	18.823
NVNT	ax20	5320	Ant1	18.853
NVNT	ax20	5260	Ant2	18.928
NVNT	ax20	5280	Ant2	18.91
NVNT	ax20	5320	Ant2	18.901
NVNT	ax40	5270	Ant1	37.604
NVNT	ax40	5310	Ant1	37.712
NVNT	ax40	5270	Ant2	37.73
NVNT	ax40	5310	Ant2	37.73
NVNT	ax80	5290	Ant1	77.14
NVNT	ax80	5290	Ant2	77.092

Test Graphs

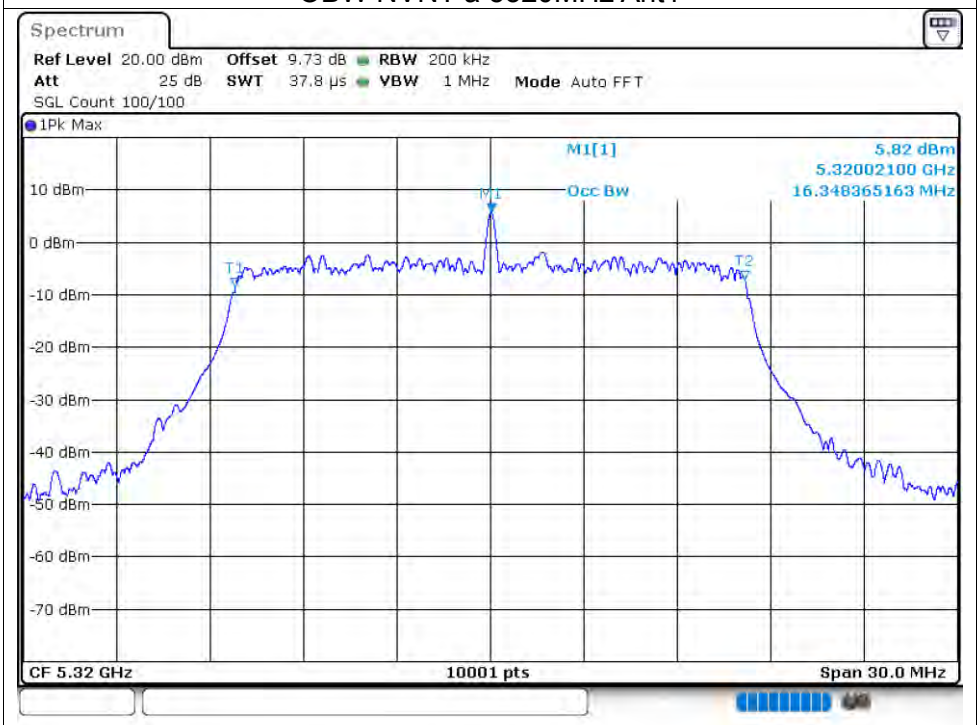
OBW NVNT a 5260MHz Ant1



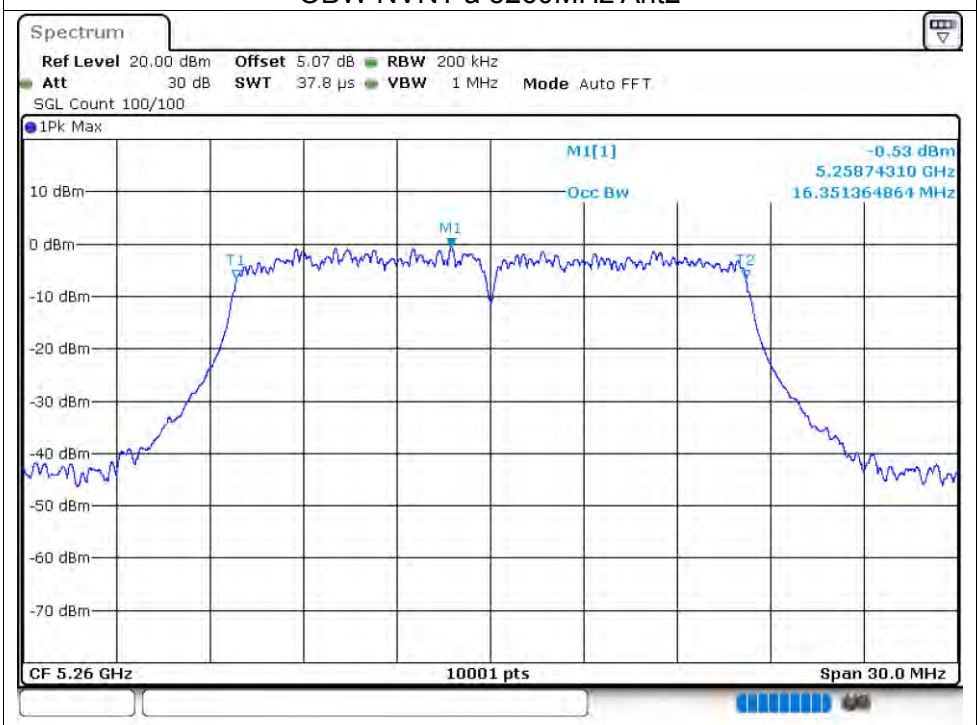
OBW NVNT a 5280MHz Ant1



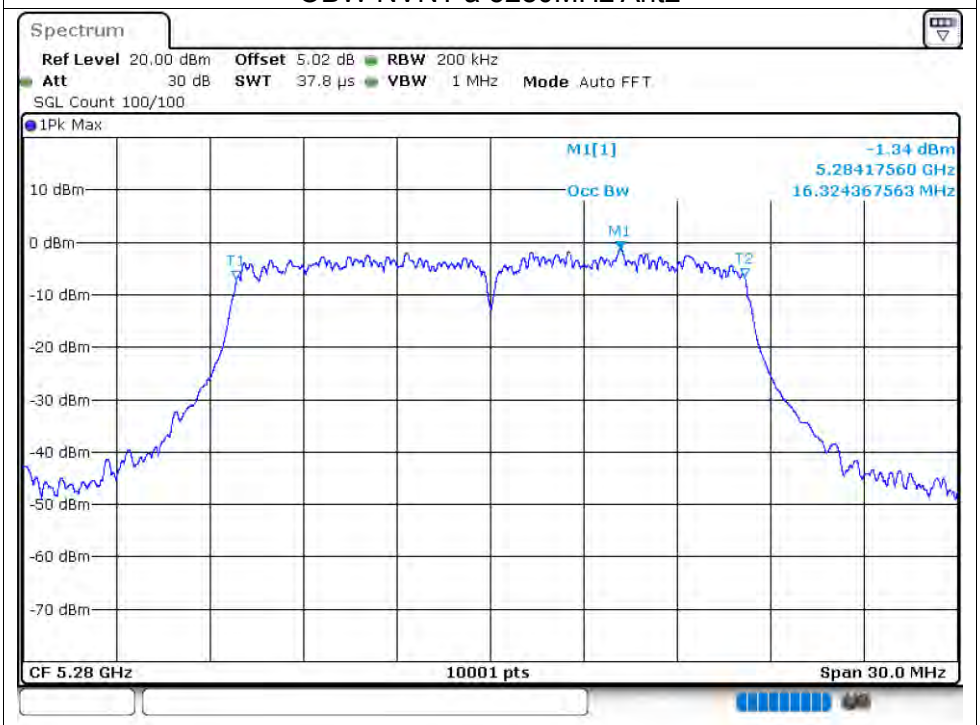
OBW NVNT a 5320MHz Ant1



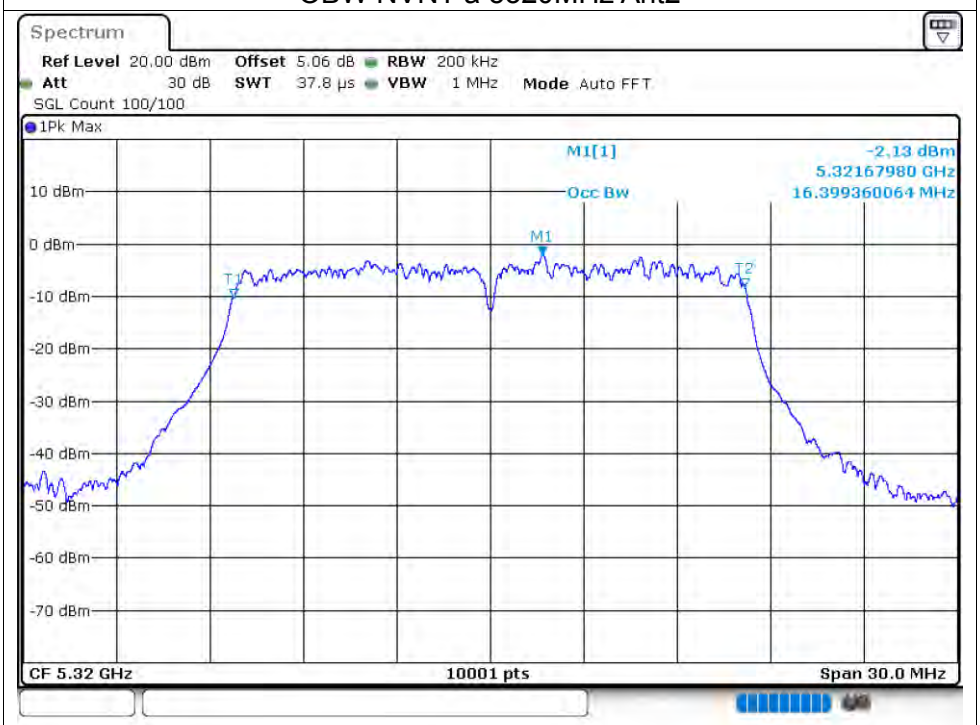
OBW NVNT a 5260MHz Ant2



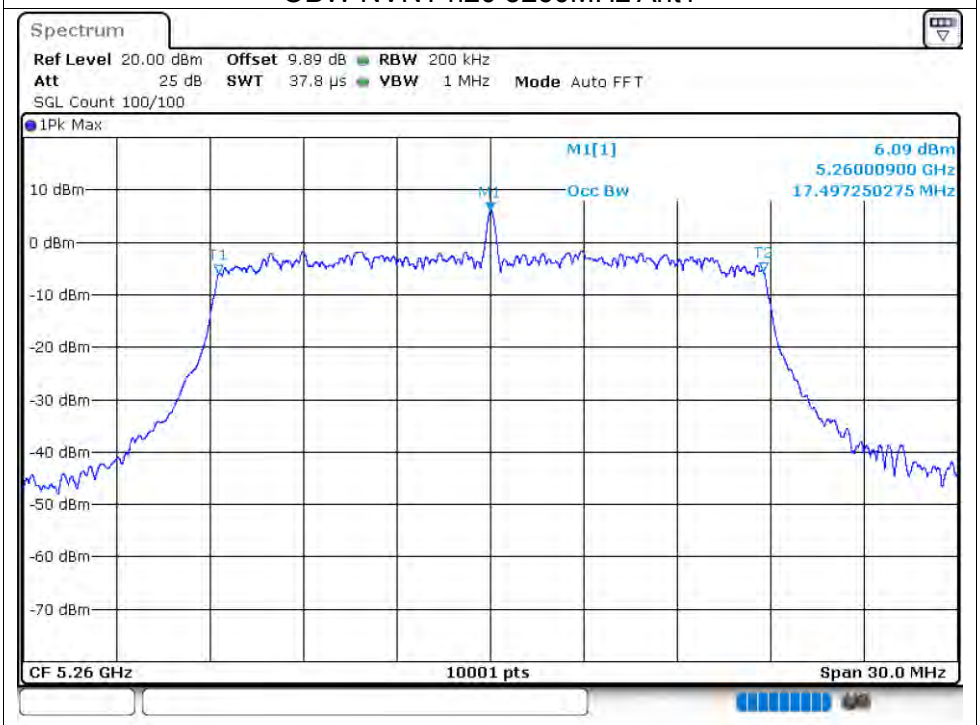
OBW NVNT a 5280MHz Ant2



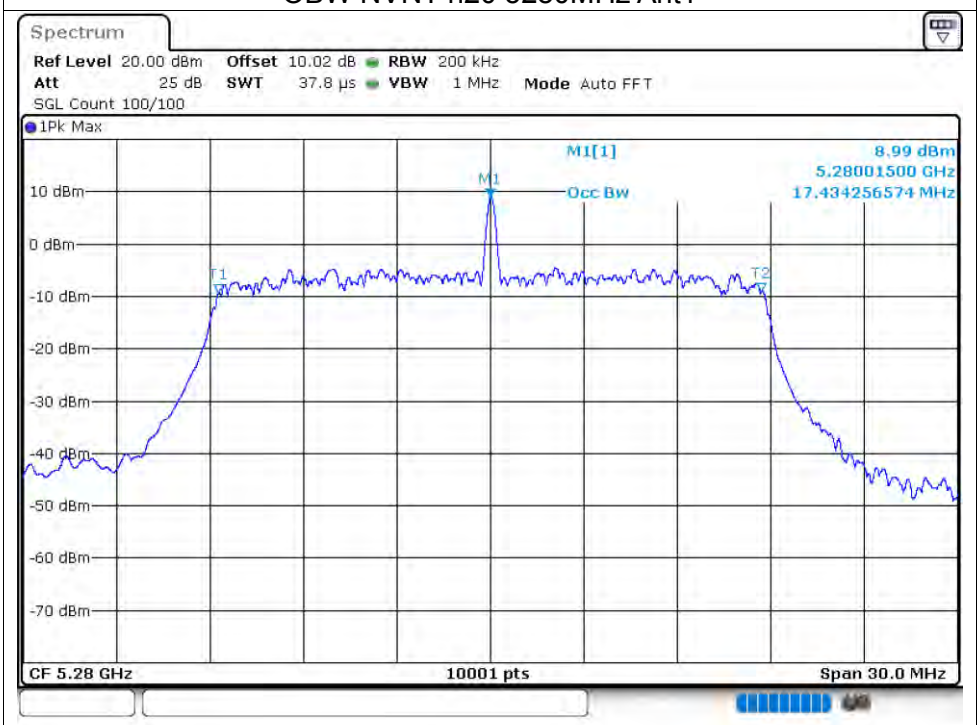
OBW NVNT a 5320MHz Ant2



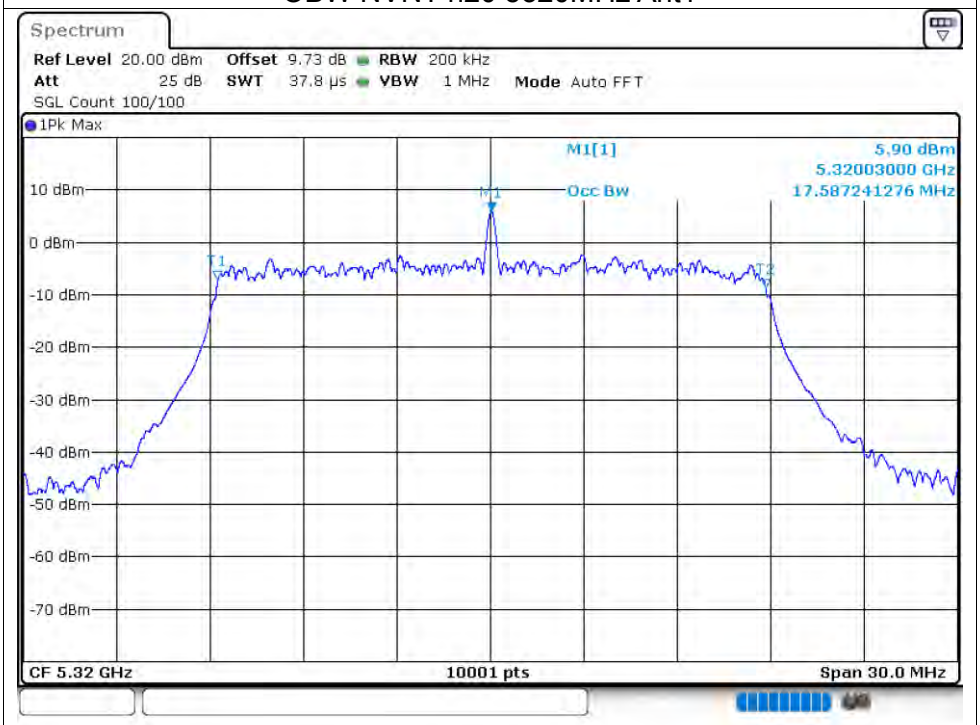
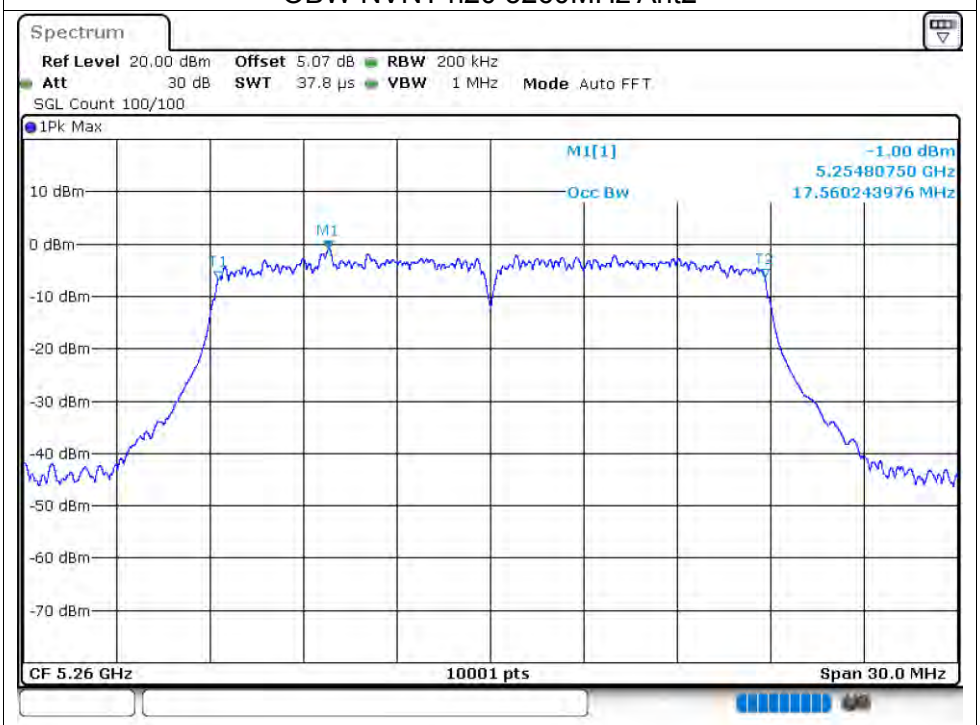
OBW NVNT n20 5260MHz Ant1



OBW NVNT n20 5280MHz Ant1



OBW NVNT n20 5320MHz Ant1



OBW NVNT n20 5260MHz Ant2