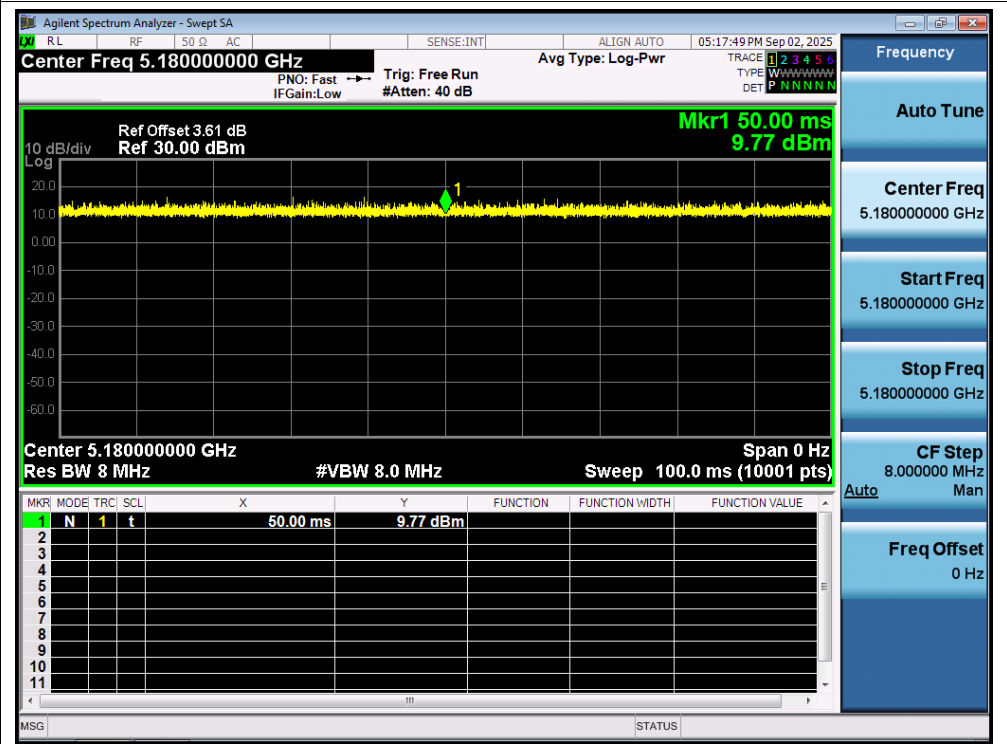


Duty Cycle

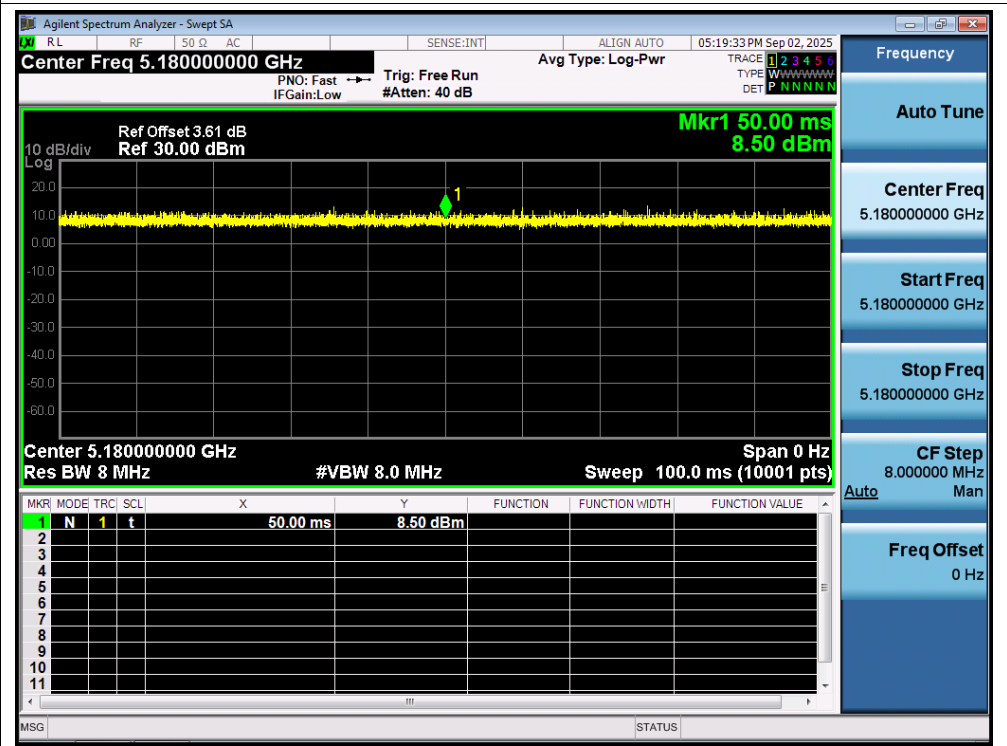
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	AntA	100	0
NVNT	n20	5180	AntA	100	0
NVNT	n40	5190	AntA	100	0
NVNT	ac20	5180	AntA	100	0
NVNT	ac40	5190	AntA	100	0
NVNT	ac80	5210	AntA	100	0
NVNT	ax20	5180	AntA	100	0
NVNT	ax40	5190	AntA	100	0
NVNT	ax80	5210	AntA	100	0

Test Graphs

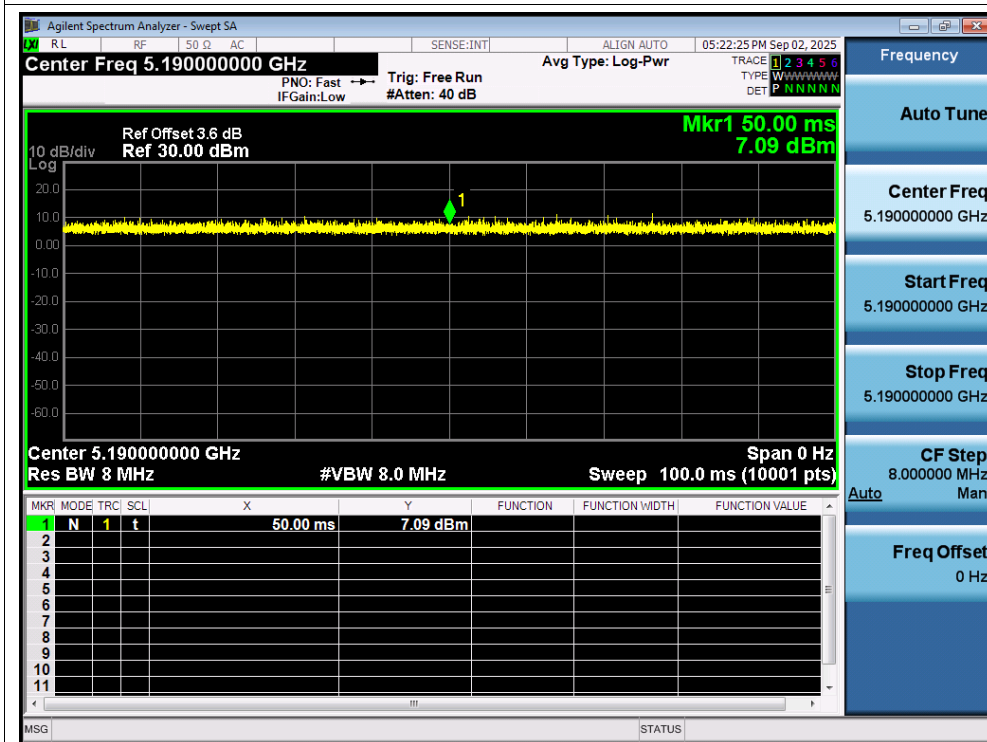
Duty Cycle NVNT a 5180MHz AntA	
1	0.000000
2	0.000000
3	0.000000
4	0.000000
5	0.000000
6	0.000000
7	0.000000
8	0.000000
9	0.000000
10	0.000000
11	0.000000
12	0.000000
13	0.000000
14	0.000000
15	0.000000
16	0.000000
17	0.000000
18	0.000000
19	0.000000
20	0.000000
21	0.000000
22	0.000000
23	0.000000
24	0.000000
25	0.000000
26	0.000000
27	0.000000
28	0.000000
29	0.000000
30	0.000000
31	0.000000
32	0.000000
33	0.000000
34	0.000000
35	0.000000
36	0.000000
37	0.000000
38	0.000000
39	0.000000
40	0.000000
41	0.000000
42	0.000000
43	0.000000
44	0.000000
45	0.000000
46	0.000000
47	0.000000
48	0.000000
49	0.000000
50	0.000000
51	0.000000
52	0.000000
53	0.000000
54	0.000000
55	0.000000
56	0.000000
57	0.000000
58	0.000000
59	0.000000
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90	0.000000
91	0.000000
92	0.000000
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94	0.000000
95	0.000000
96	0.000000
97	0.000000
98	0.000000
99	0.000000
100	0.000000



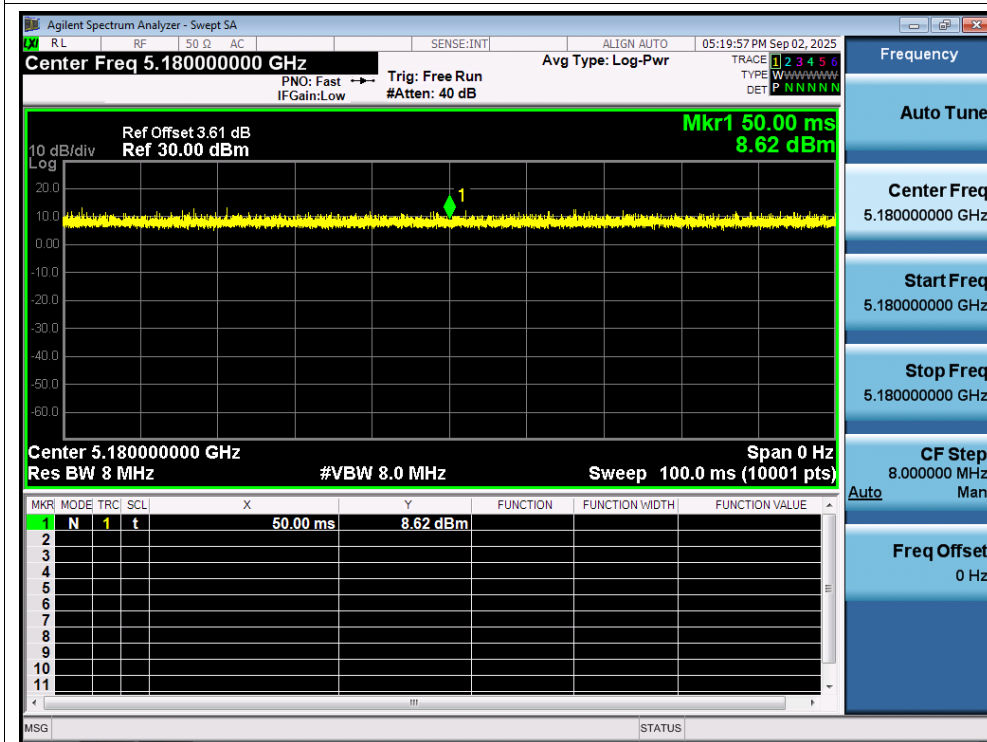
Duty Cycle NVNT n20 5180MHz AntA



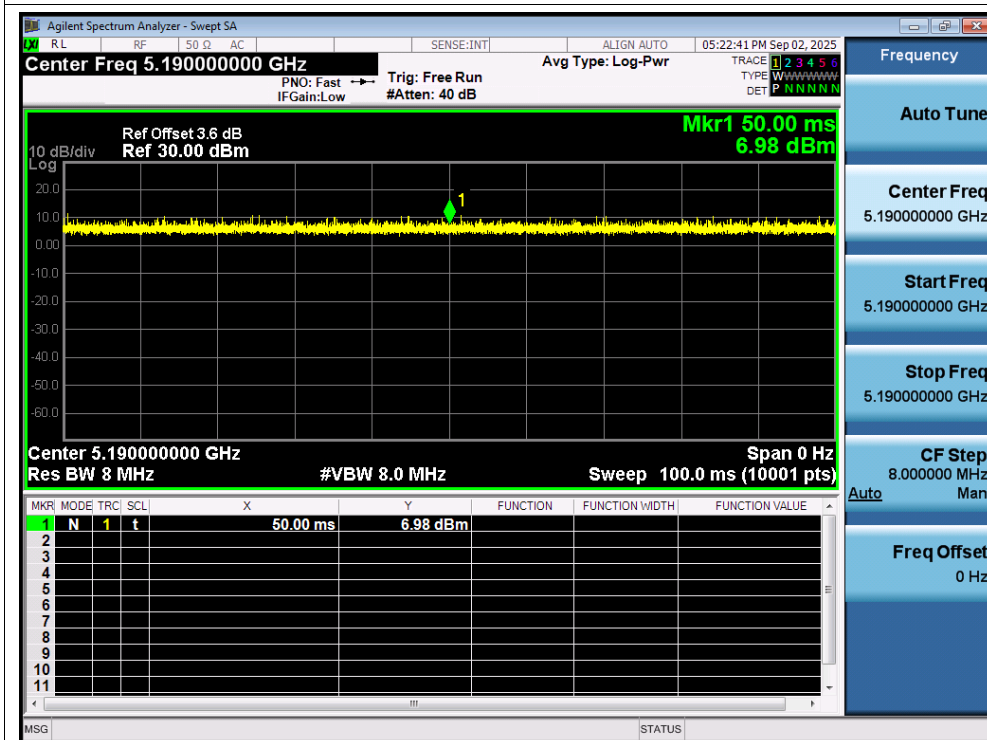
Duty Cycle NVNT n40 5190MHz AntA



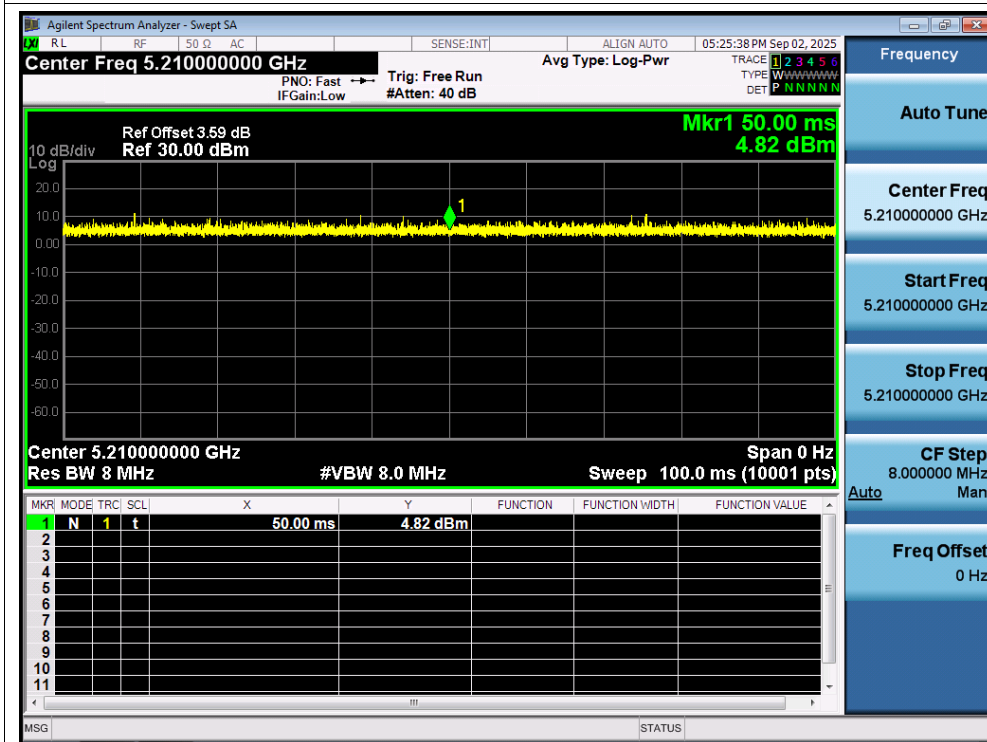
Duty Cycle NVNT ac20 5180MHz AntA



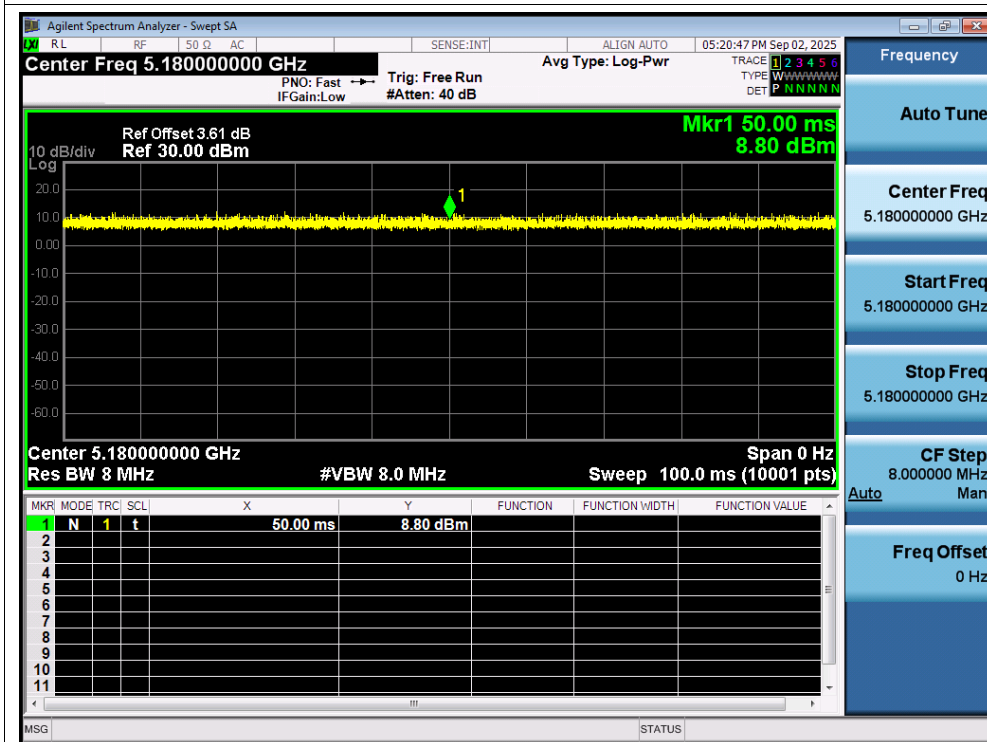
Duty Cycle NVNT ac40 5190MHz AntA



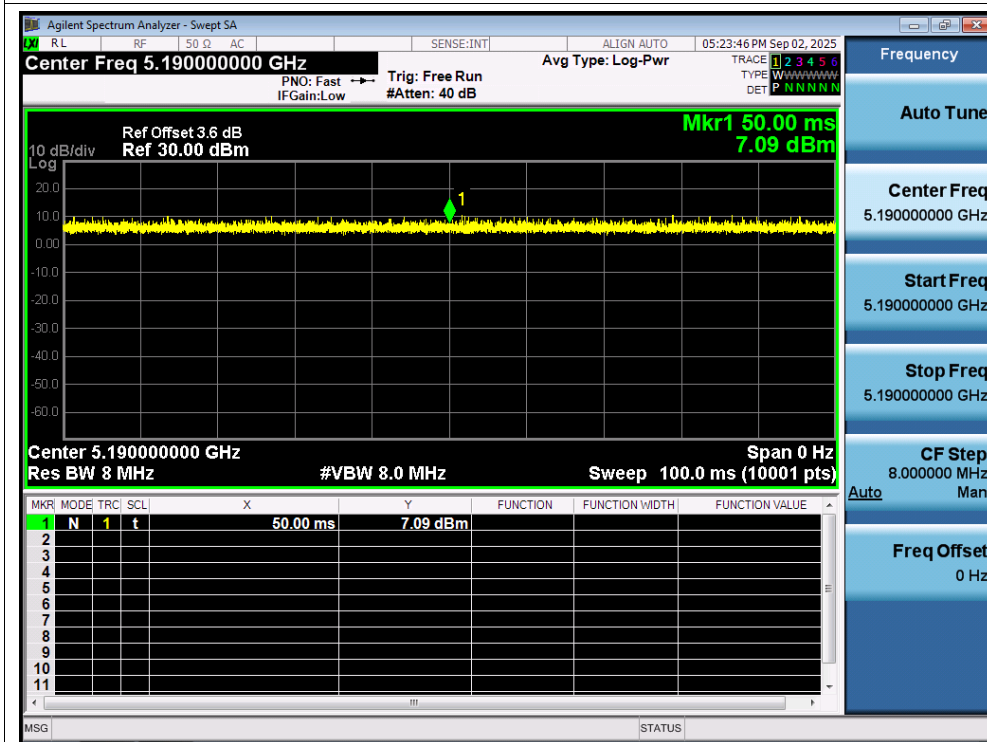
Duty Cycle NVNT ac80 5210MHz AntA

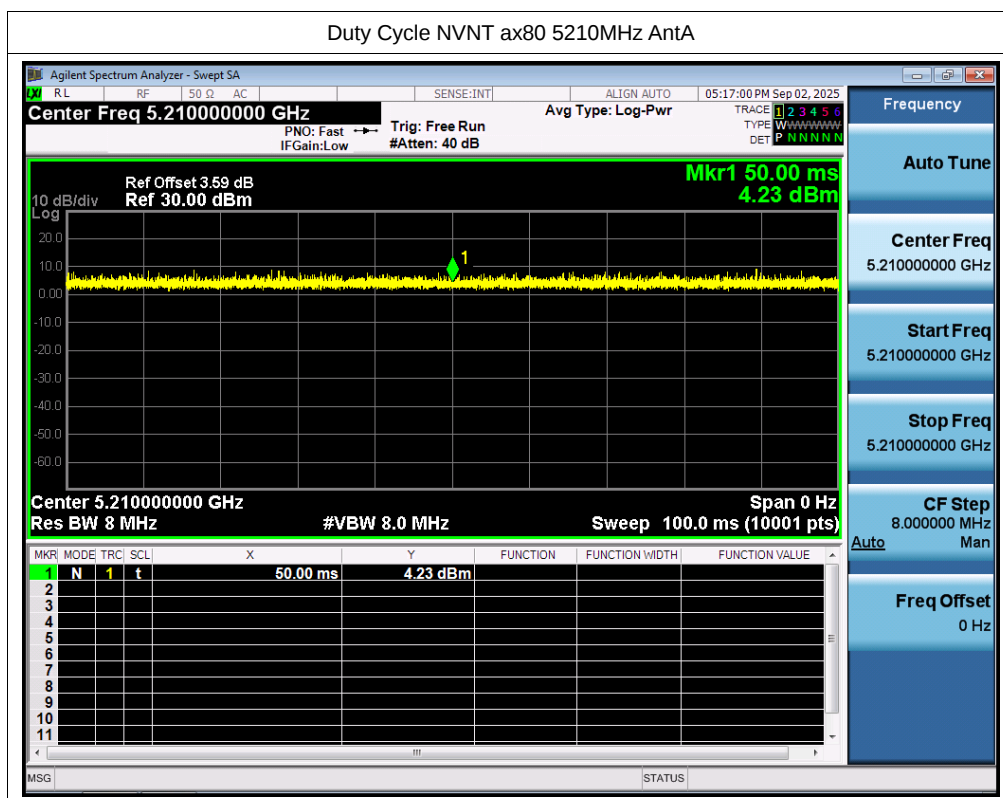


Duty Cycle NVNT ax20 5180MHz AntA



Duty Cycle NVNT ax40 5190MHz AntA





Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	AntA	10.62	24	Pass
NVNT	a	5200	AntA	10.48	24	Pass
NVNT	a	5240	AntA	11.9	24	Pass
NVNT	n20	5180	AntA	8.96	24	Pass
NVNT	n20	5200	AntA	8.92	24	Pass
NVNT	n20	5240	AntA	9.98	24	Pass
NVNT	n40	5190	AntA	7.34	24	Pass
NVNT	n40	5230	AntA	8.77	24	Pass
NVNT	ac20	5180	AntA	8.82	24	Pass
NVNT	ac20	5200	AntA	8.85	24	Pass
NVNT	ac20	5240	AntA	9.54	24	Pass
NVNT	ac40	5190	AntA	7.32	24	Pass
NVNT	ac40	5230	AntA	8.71	24	Pass
NVNT	ac80	5210	AntA	6.11	24	Pass
NVNT	ax20	5180	AntA	9.49	24	Pass
NVNT	ax20	5200	AntA	9.12	24	Pass
NVNT	ax20	5240	AntA	9.64	24	Pass
NVNT	ax40	5190	AntA	7.46	24	Pass
NVNT	ax40	5230	AntA	8.7	24	Pass
NVNT	ax80	5210	AntA	5.98	24	Pass

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)			Limit (dBm)	Verdict
			Ant A	Ant B	Total		
NVNT	a	5180	10.62	11.48	/	24	Pass
NVNT	a	5200	10.48	11.04	/	24	Pass
NVNT	a	5240	11.9	11.99	/	24	Pass
NVNT	n20	5180	8.96	9.97	12.50	24	Pass
NVNT	n20	5200	8.92	9.38	12.17	24	Pass
NVNT	n20	5240	9.98	10.06	13.03	24	Pass
NVNT	n40	5190	7.34	7.84	10.61	24	Pass
NVNT	n40	5230	8.77	9.33	12.07	24	Pass
NVNT	ac20	5180	8.82	9.63	12.25	24	Pass
NVNT	ac20	5200	8.85	9.42	12.15	24	Pass
NVNT	ac20	5240	9.54	10.27	12.93	24	Pass
NVNT	ac40	5190	7.32	7.73	10.54	24	Pass
NVNT	ac40	5230	8.71	9.13	11.94	24	Pass
NVNT	ac80	5210	6.11	5.94	9.04	24	Pass
NVNT	ax20	5180	9.49	9.6	12.56	24	Pass
NVNT	ax20	5200	9.12	9.59	12.37	24	Pass
NVNT	ax20	5240	9.64	10.32	13.00	24	Pass
NVNT	ax40	5190	7.46	7.49	10.49	24	Pass
NVNT	ax40	5230	8.7	9.11	11.92	24	Pass
NVNT	ax80	5210	5.98	6.1	9.05	24	Pass

Note:

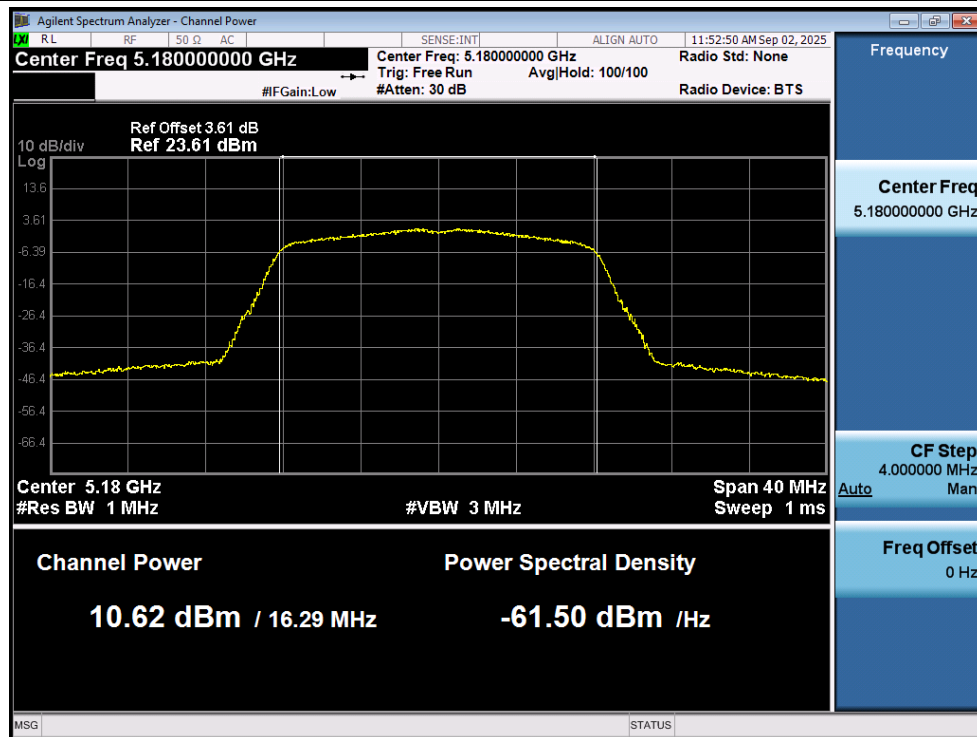
For power measurements.

The Array gain=0 for NANT≤4

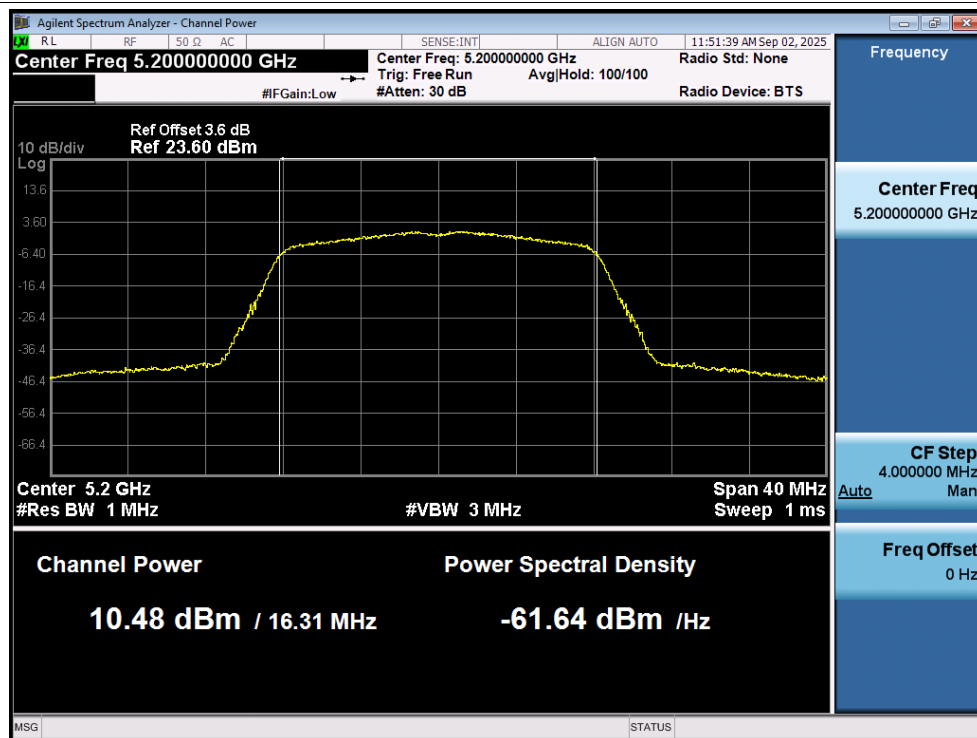
So the directional gain for Power measurements is 1.90 dBi

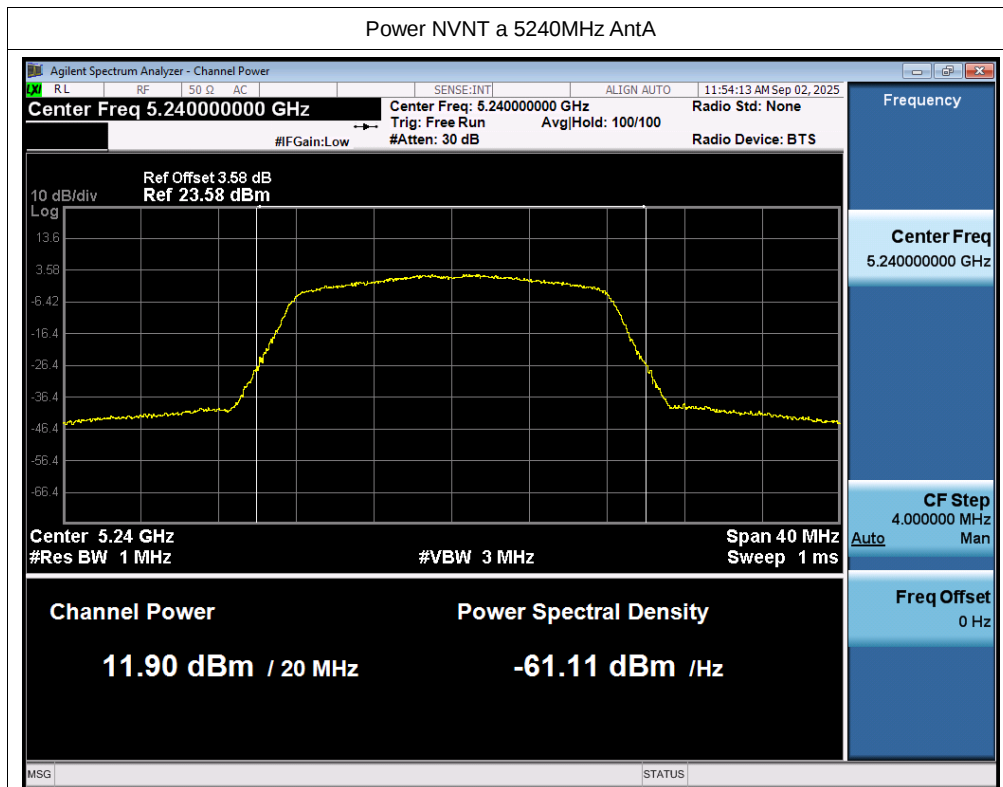
Test Graphs

Power NVNT a 5180MHz AntA

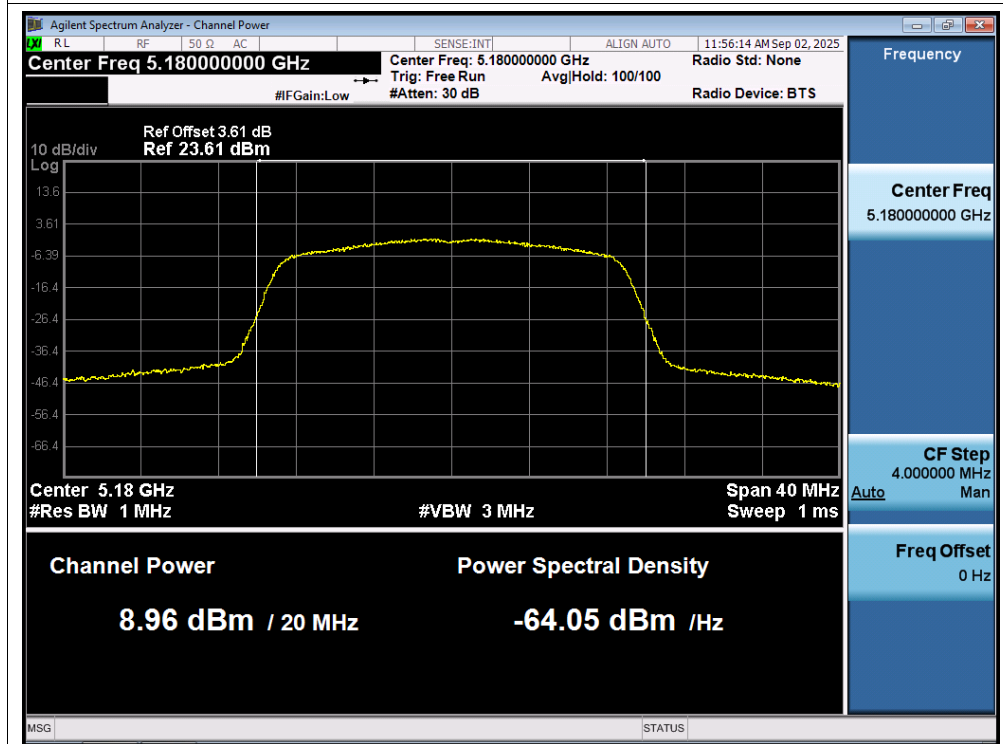


Power NVNT a 5200MHz AntA

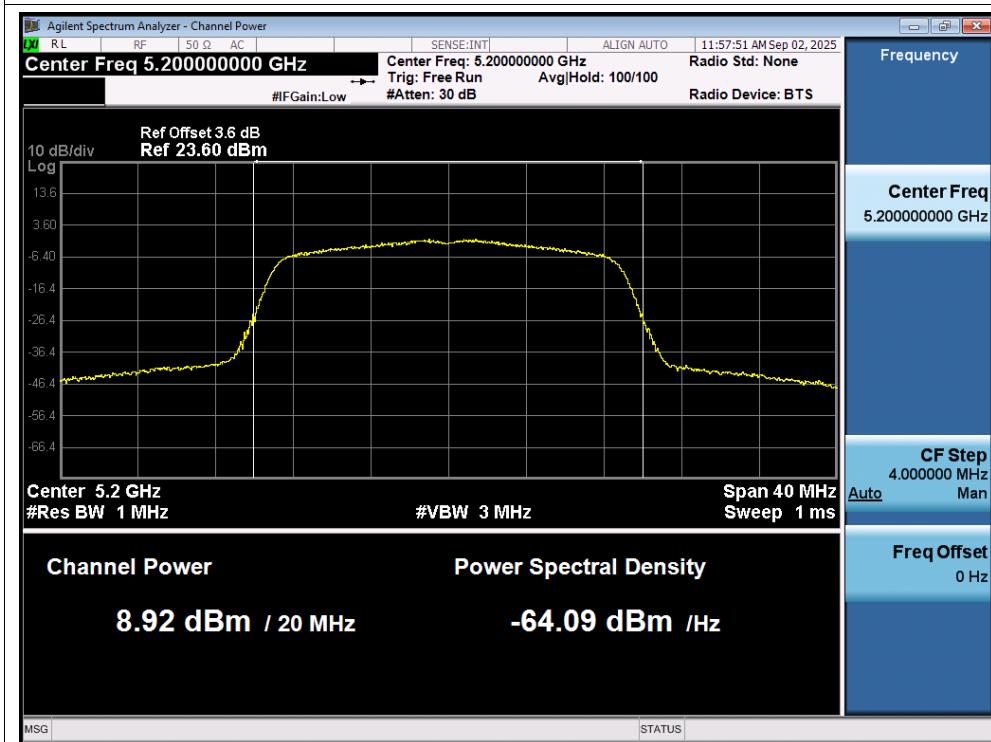




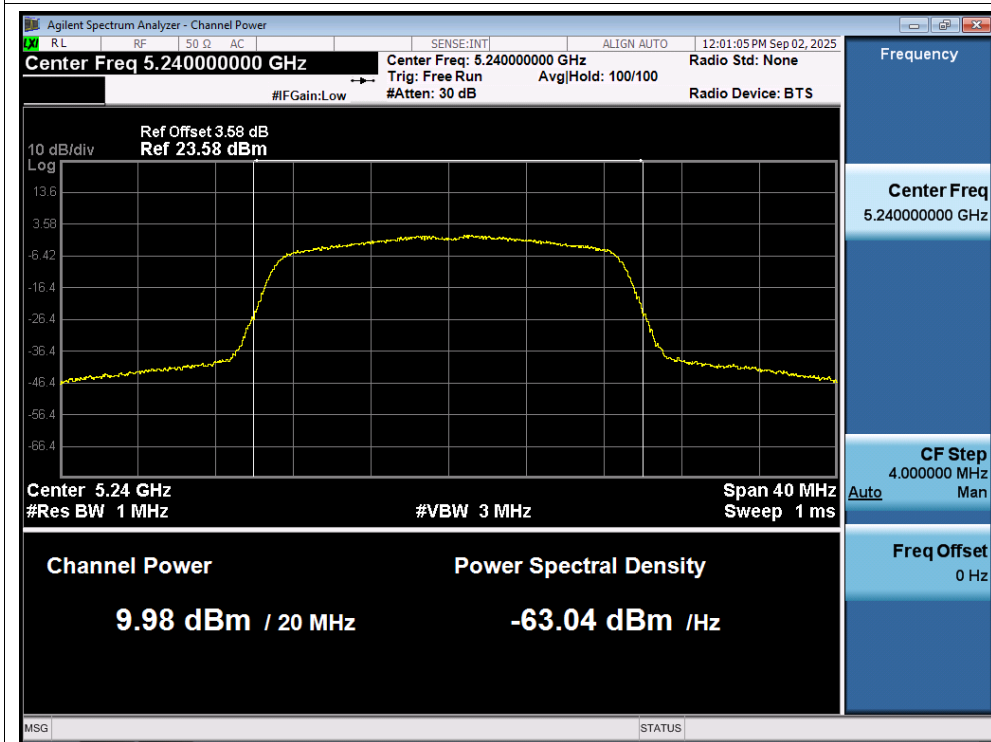
Power NVNT n20 5180MHz AntA



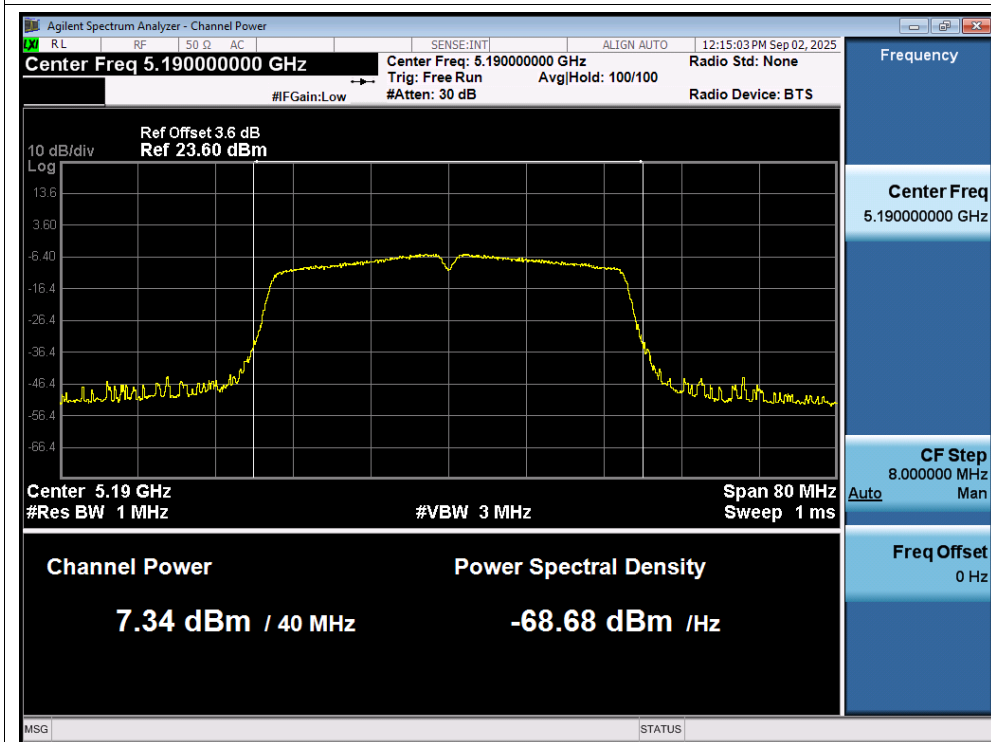
Power NVNT n20 5200MHz AntA



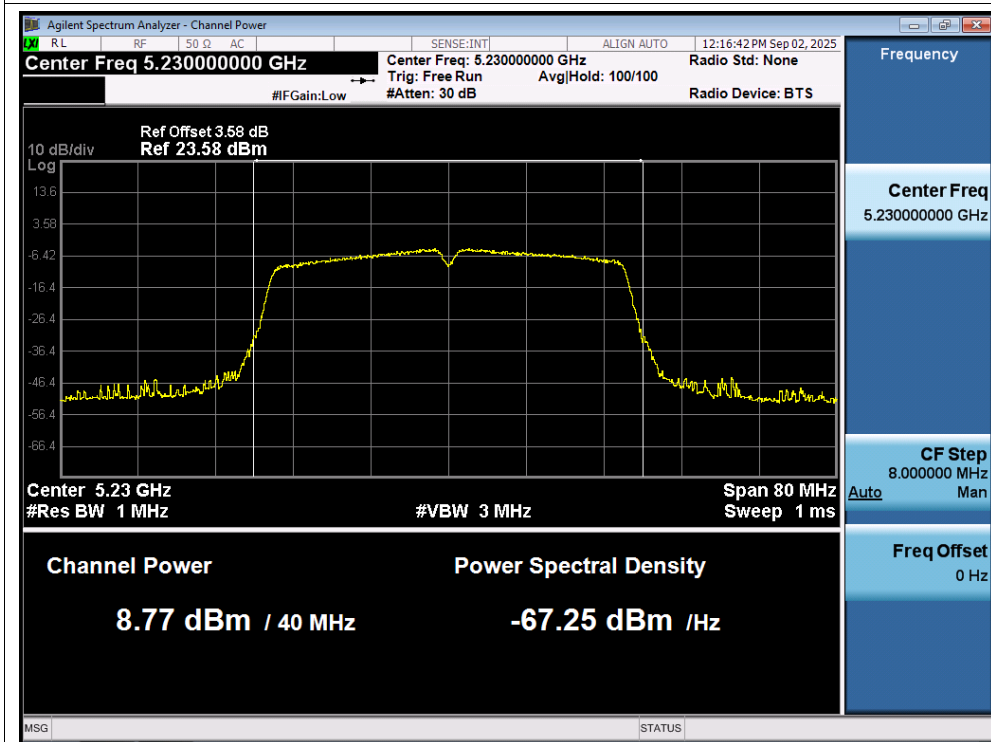
Power NVNT n20 5240MHz AntA



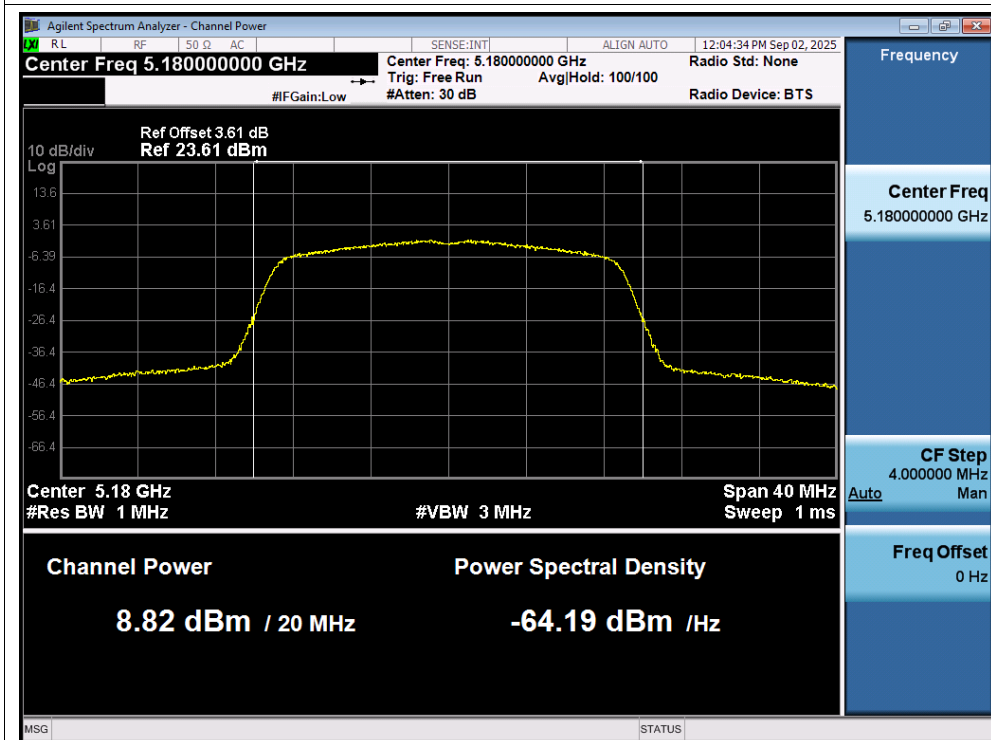
Power NVNT n40 5190MHz AntA



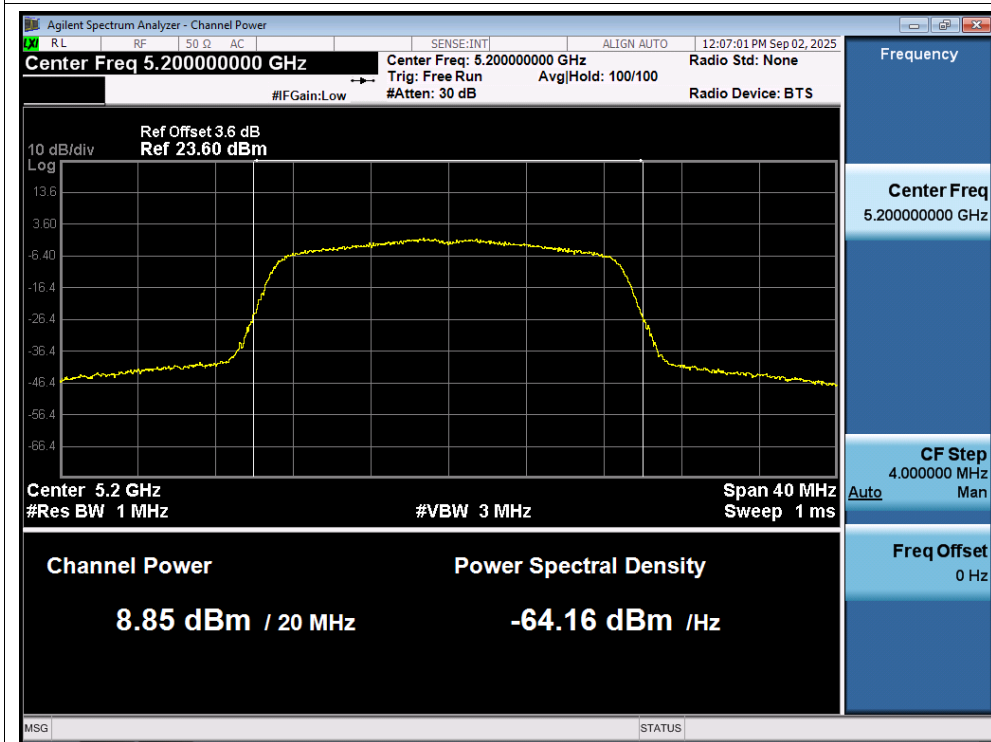
Power NVNT n40 5230MHz AntA



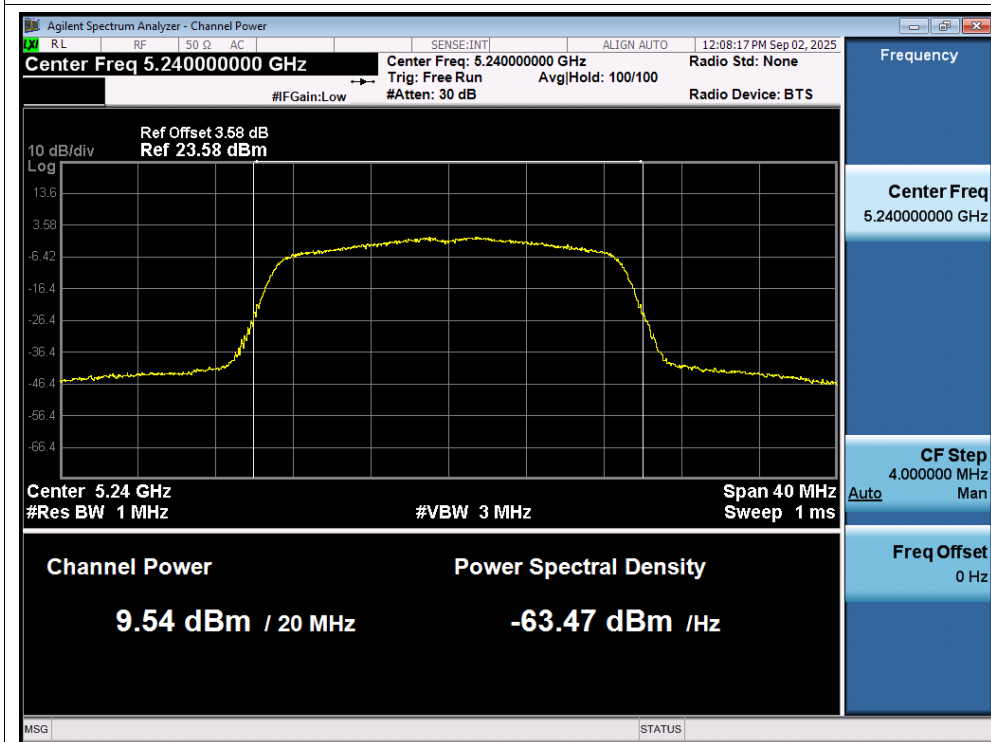
Power NVNT ac20 5180MHz AntA



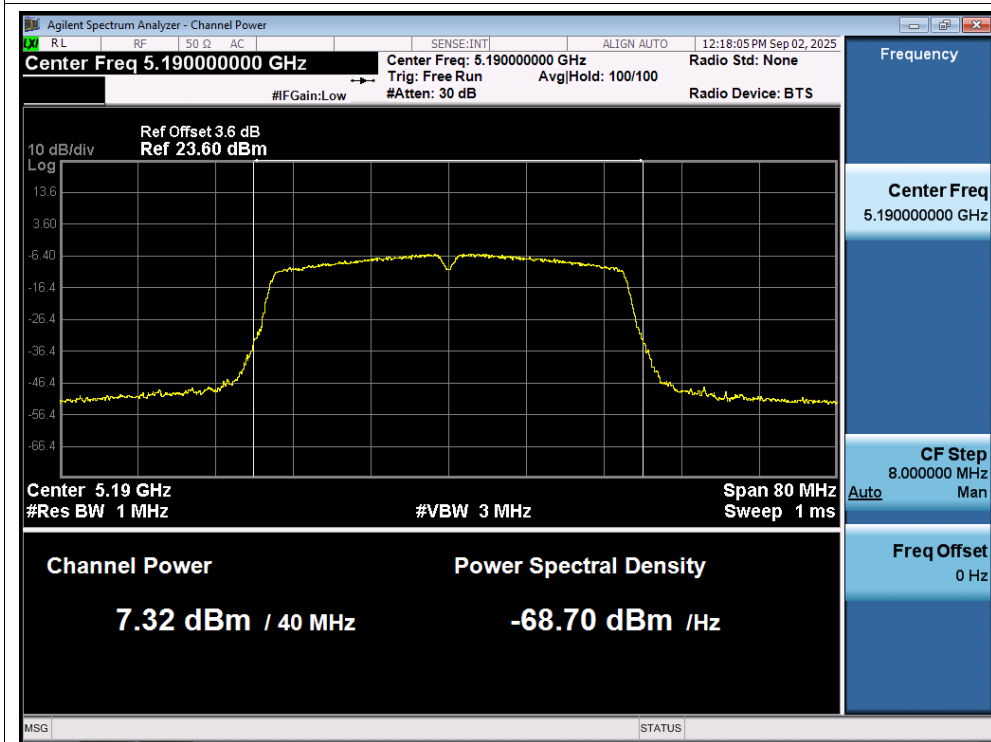
Power NVNT ac20 5200MHz AntA



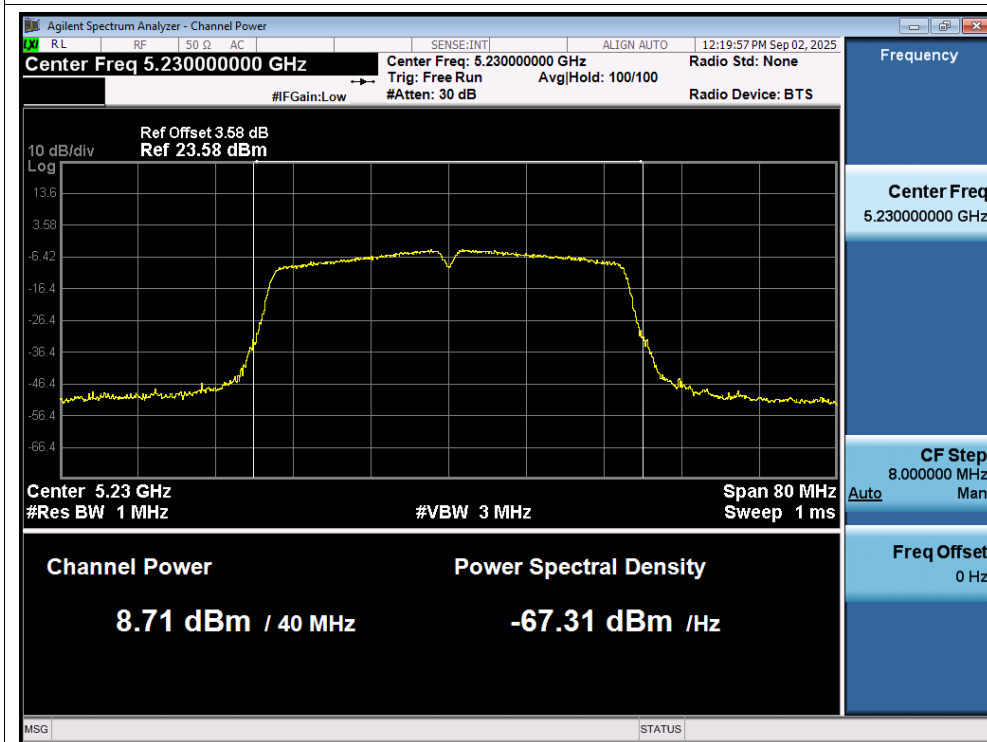
Power NVNT ac20 5240MHz AntA



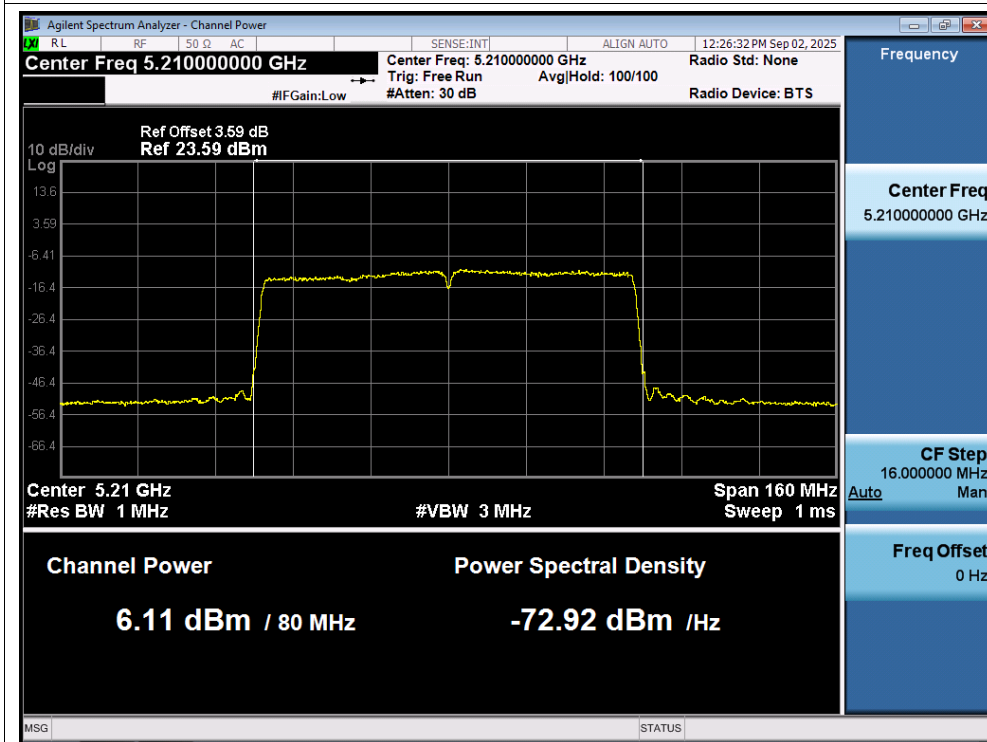
Power NVNT ac40 5190MHz AntA



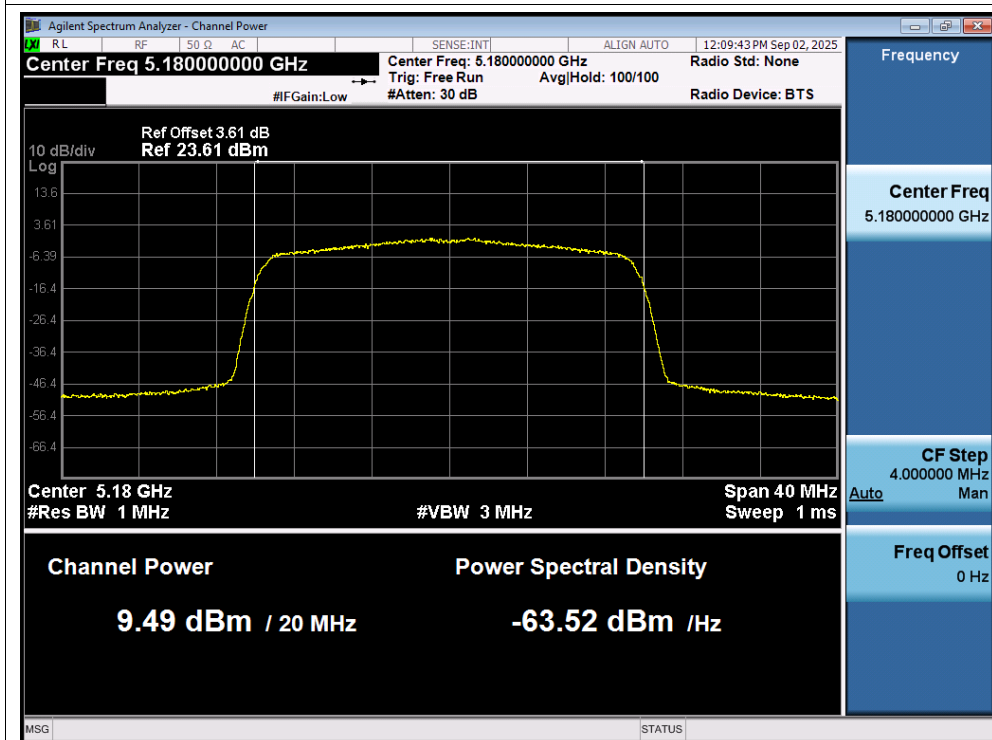
Power NVNT ac40 5230MHz AntA



Power NVNT ac80 5210MHz AntA



Power NVNT ax20 5180MHz AntA



Power NVNT ax20 5200MHz AntA

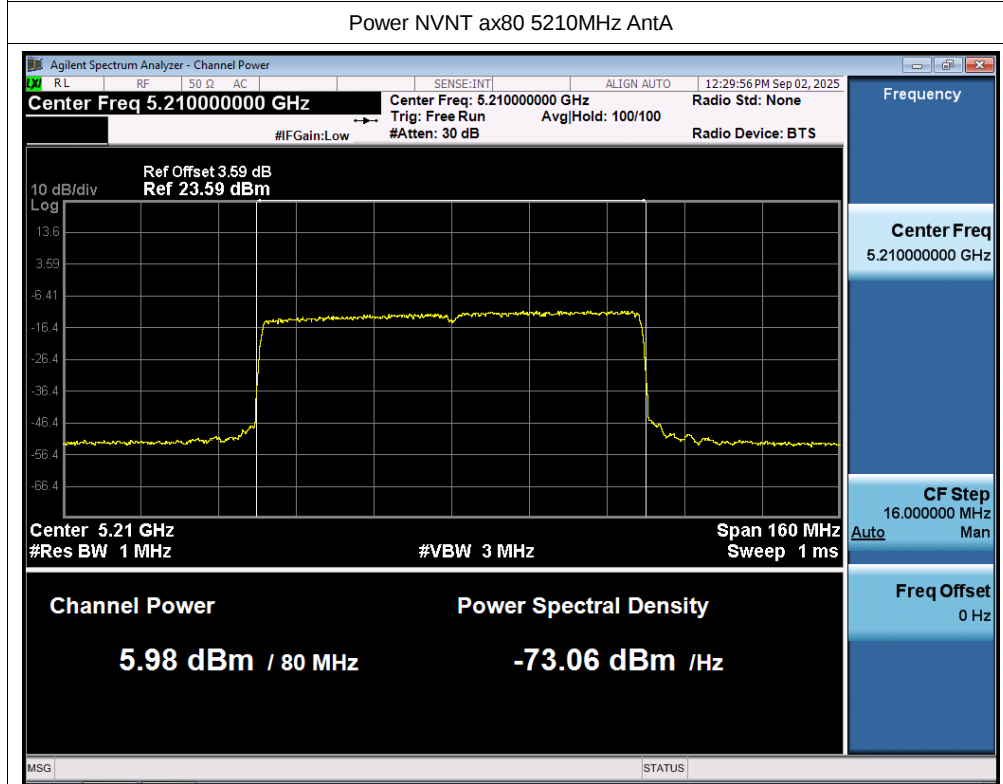
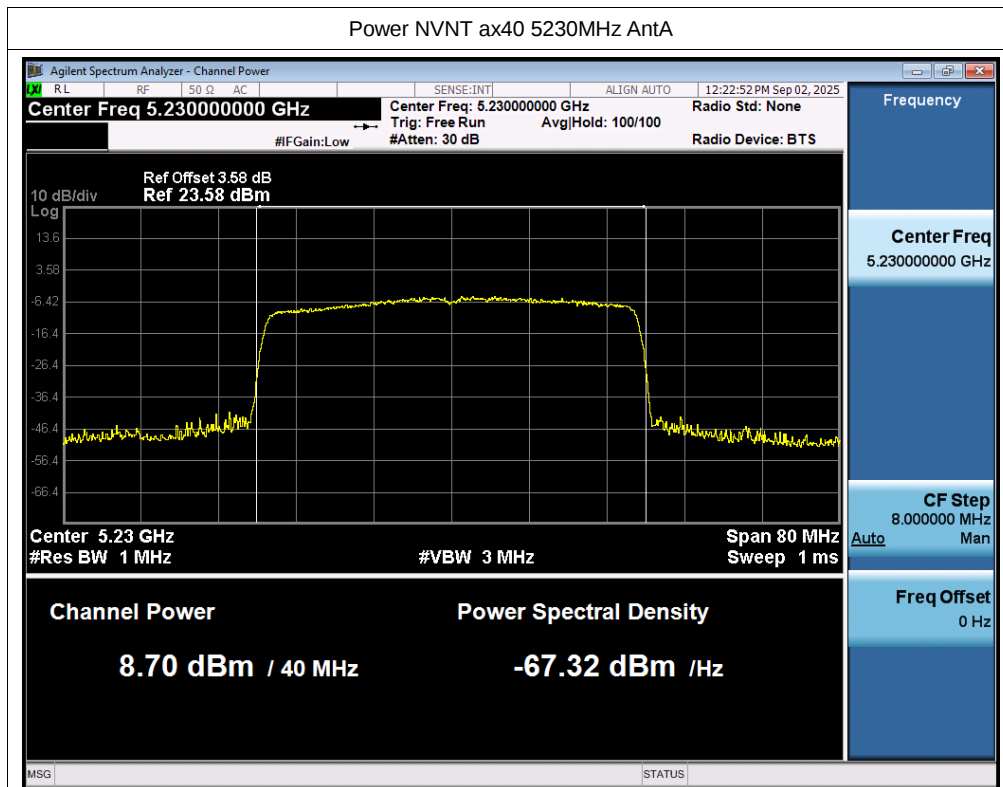


Power NVNT ax20 5240MHz AntA



Power NVNT ax40 5190MHz AntA



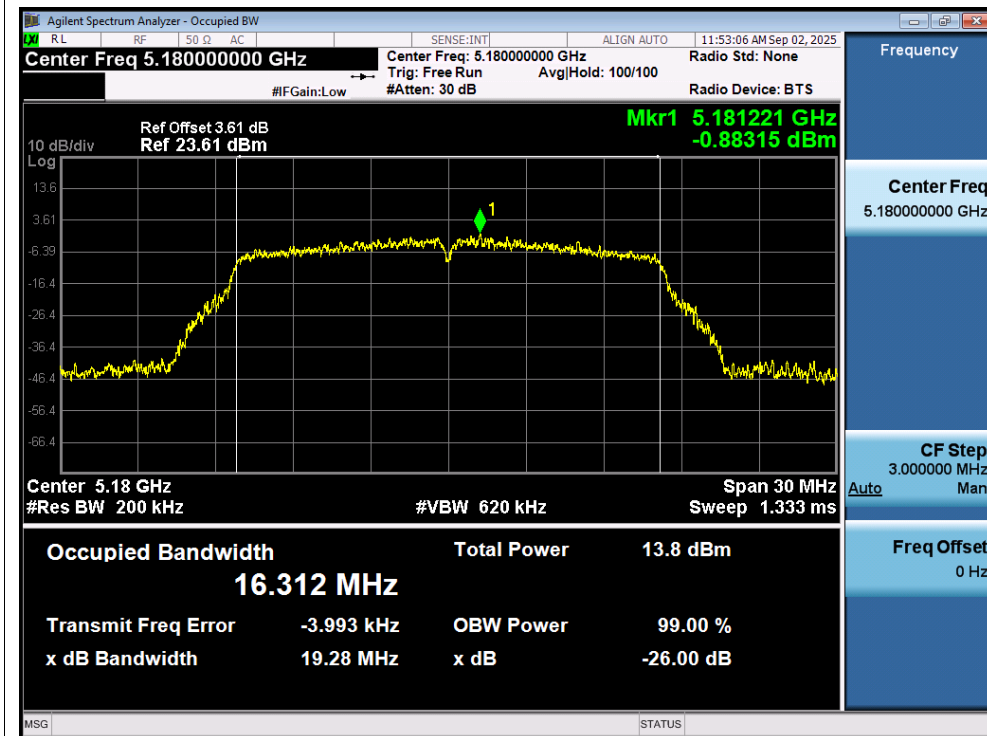


-26dB Bandwidth

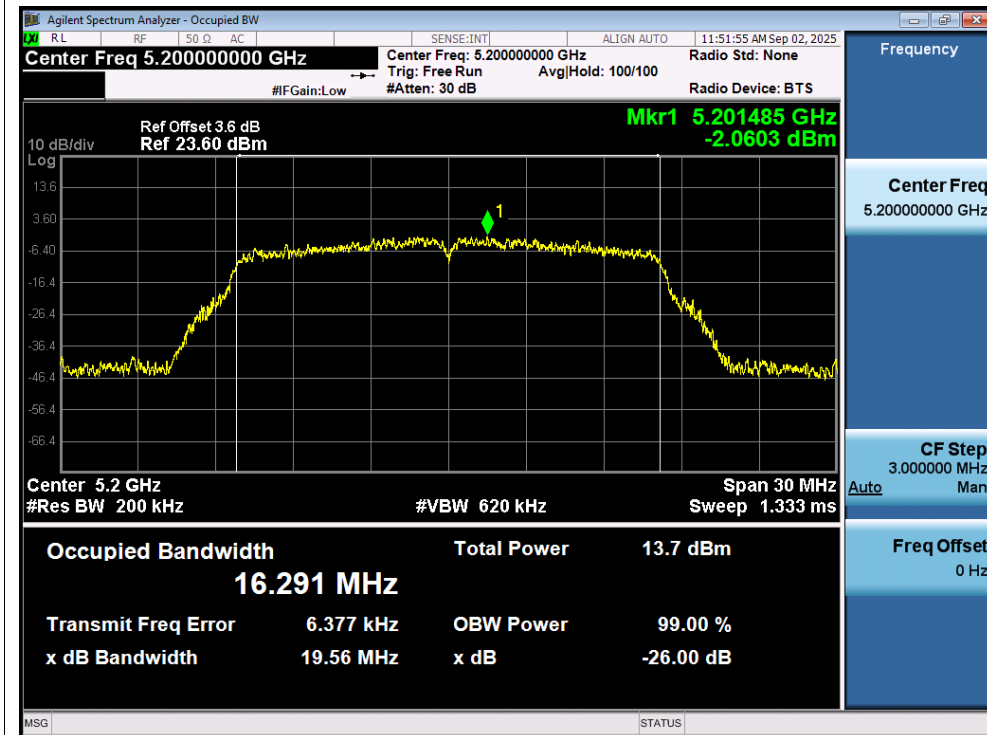
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	AntA	19.278	0.5	Pass
		5200		19.559	0.5	Pass
		5240		19.405	0.5	Pass
	n20	5180		19.941	0.5	Pass
		5200		19.755	0.5	Pass
		5240		19.783	0.5	Pass
	n40	5190		40.161	0.5	Pass
		5230		39.942	0.5	Pass
	ac20	5180		19.743	0.5	Pass
		5200		20.024	0.5	Pass
		5240		19.821	0.5	Pass
	ac40	5190		39.883	0.5	Pass
		5230		40.269	0.5	Pass
	ac80	5210		79.94	0.5	Pass
	ax20	5180		19.787	0.5	Pass
		5200		19.781	0.5	Pass
		5240		19.754	0.5	Pass
	ax40	5190		39.264	0.5	Pass
		5230		39.448	0.5	Pass
	ax80	5210		79.992	0.5	Pass

Test Graphs

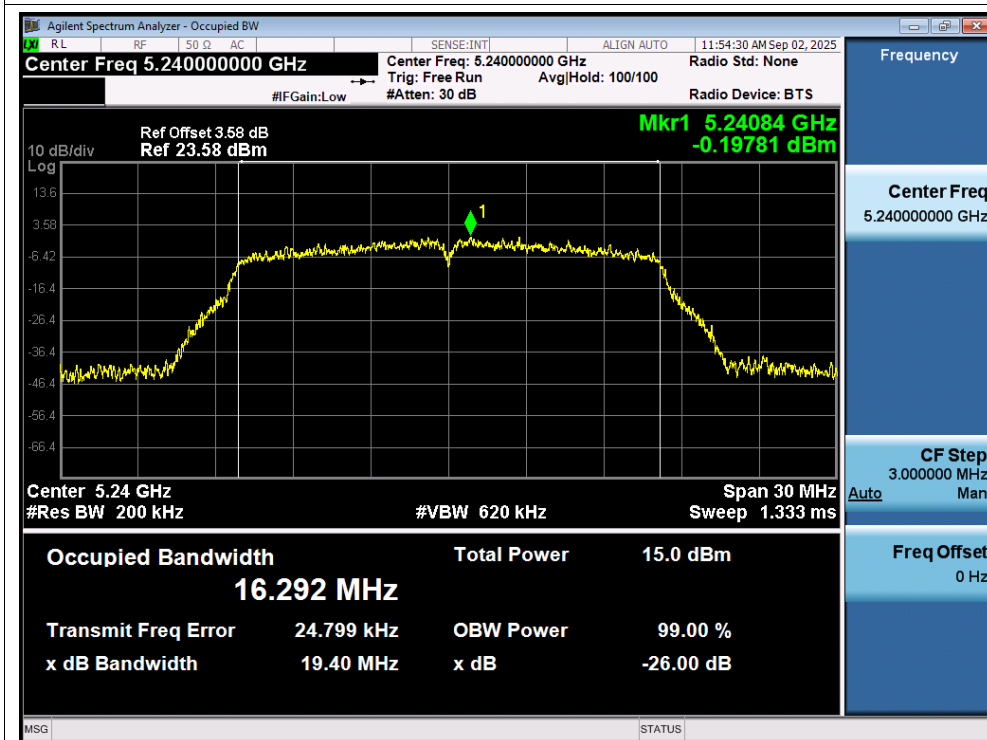
-26dB Bandwidth NVNT a 5180MHz AntA



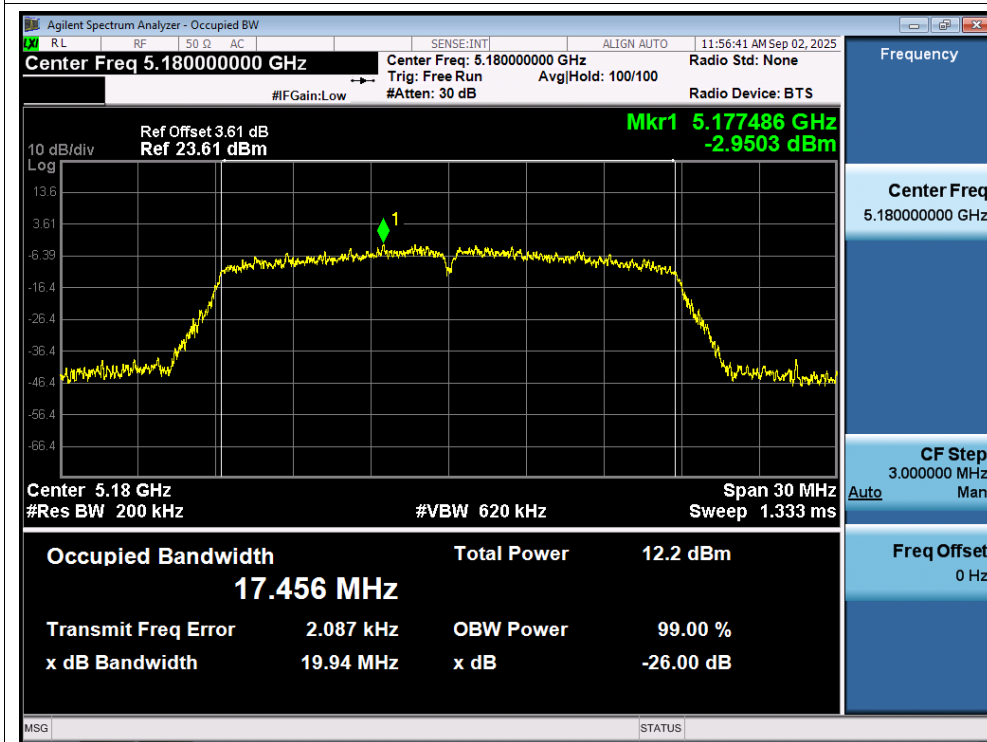
-26dB Bandwidth NVNT a 5200MHz AntA



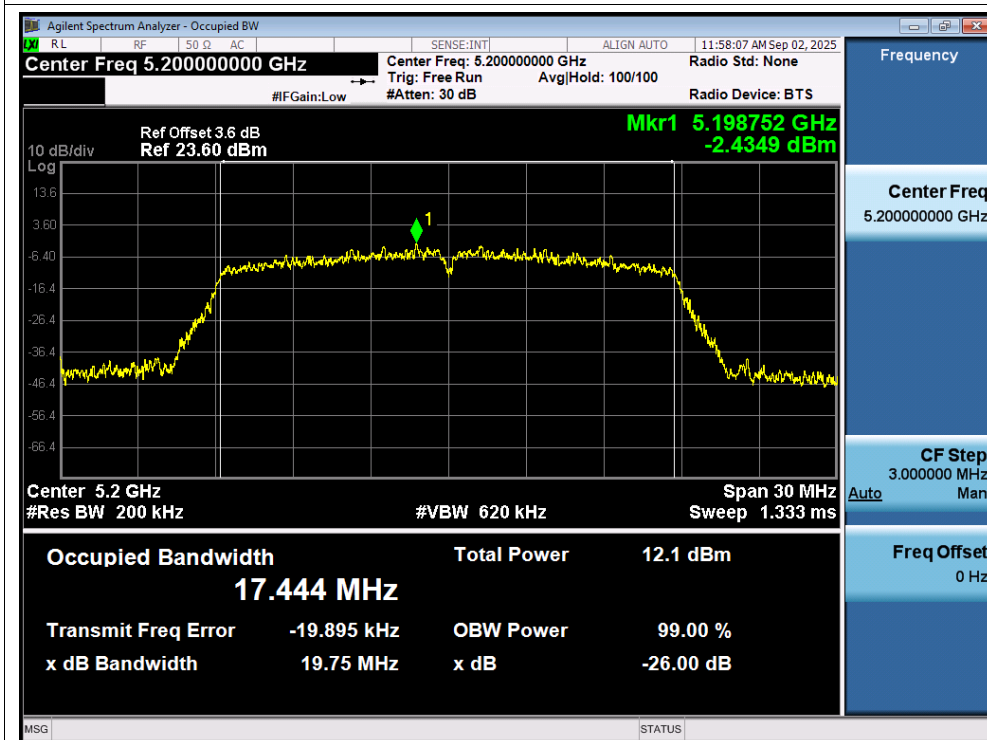
-26dB Bandwidth NVNT a 5240MHz AntA



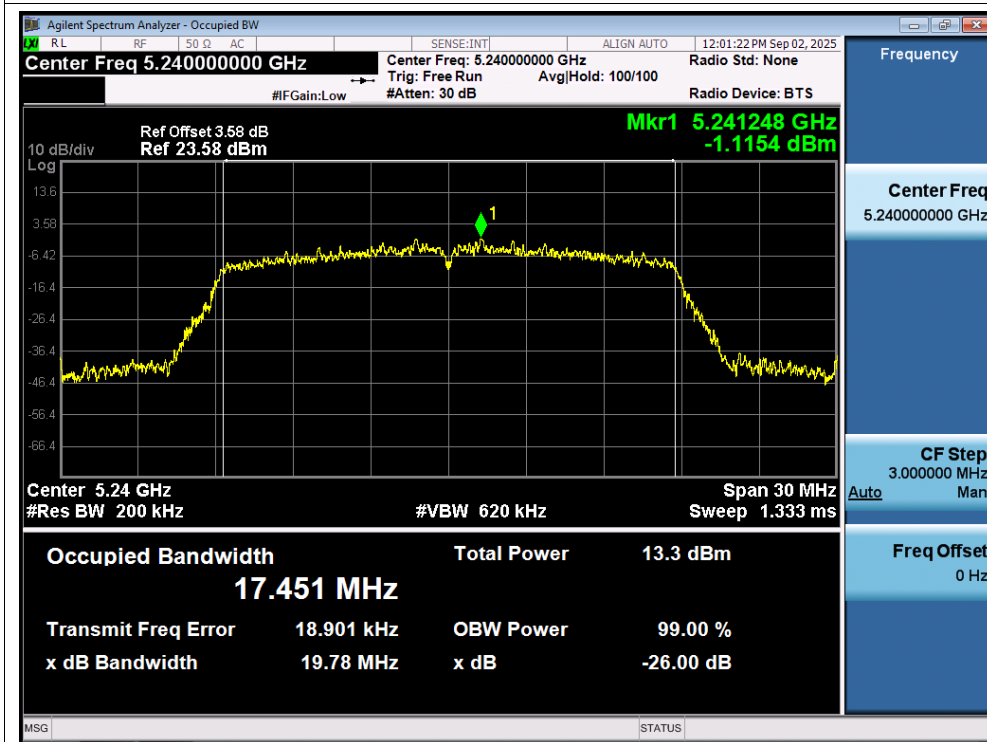
-26dB Bandwidth NVNT n20 5180MHz AntA



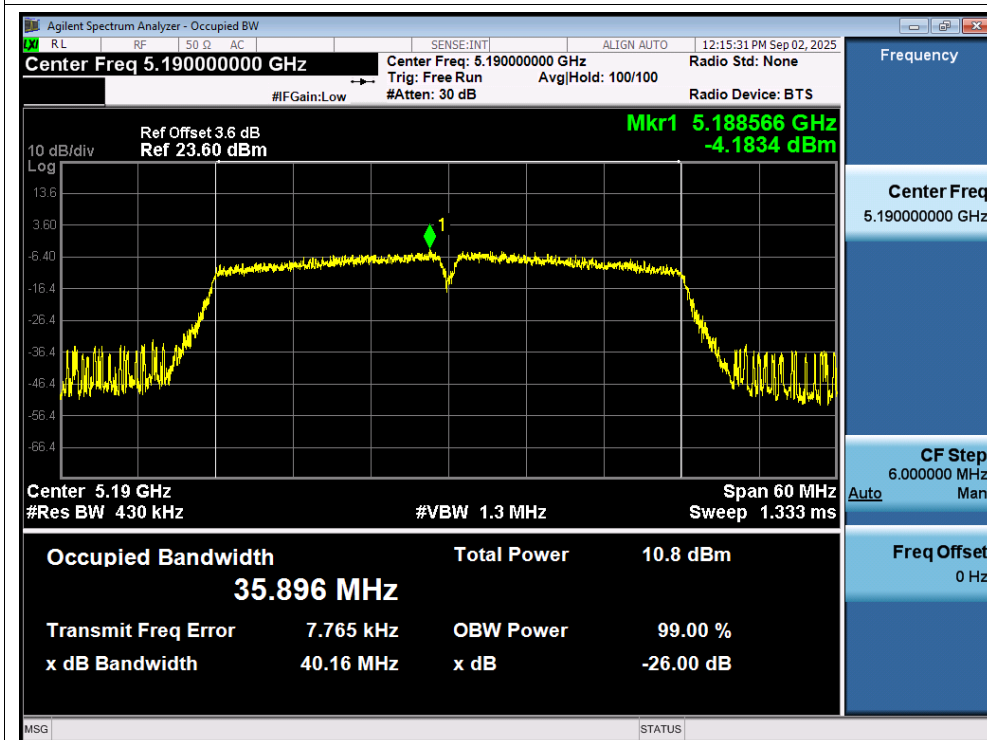
-26dB Bandwidth NVNT n20 5200MHz AntA



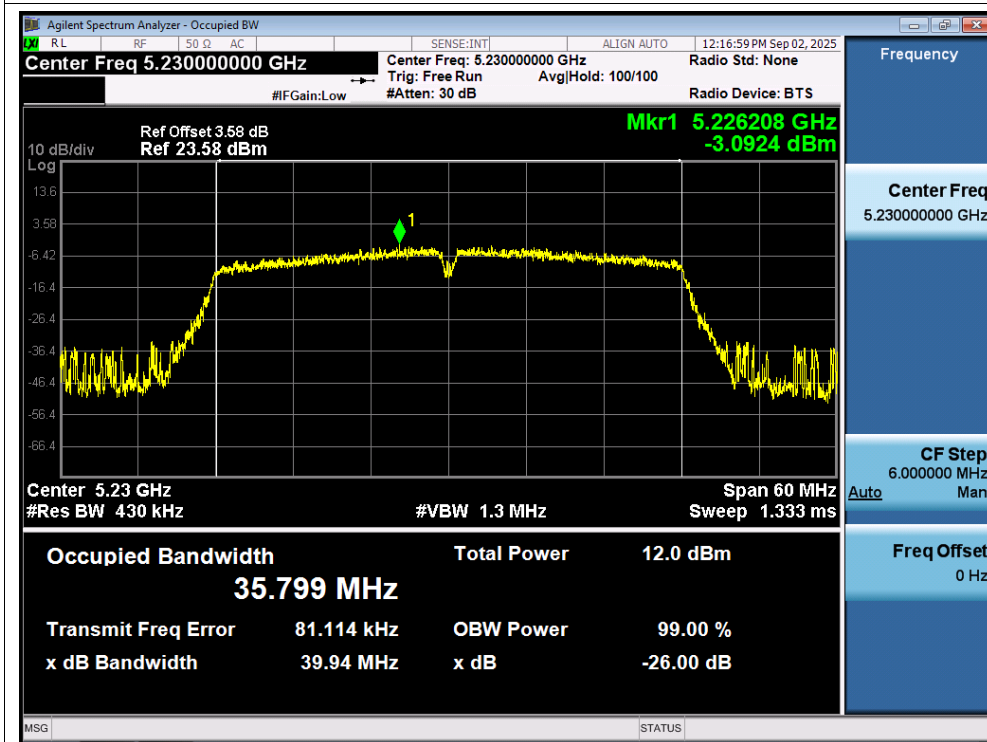
-26dB Bandwidth NVNT n20 5240MHz AntA



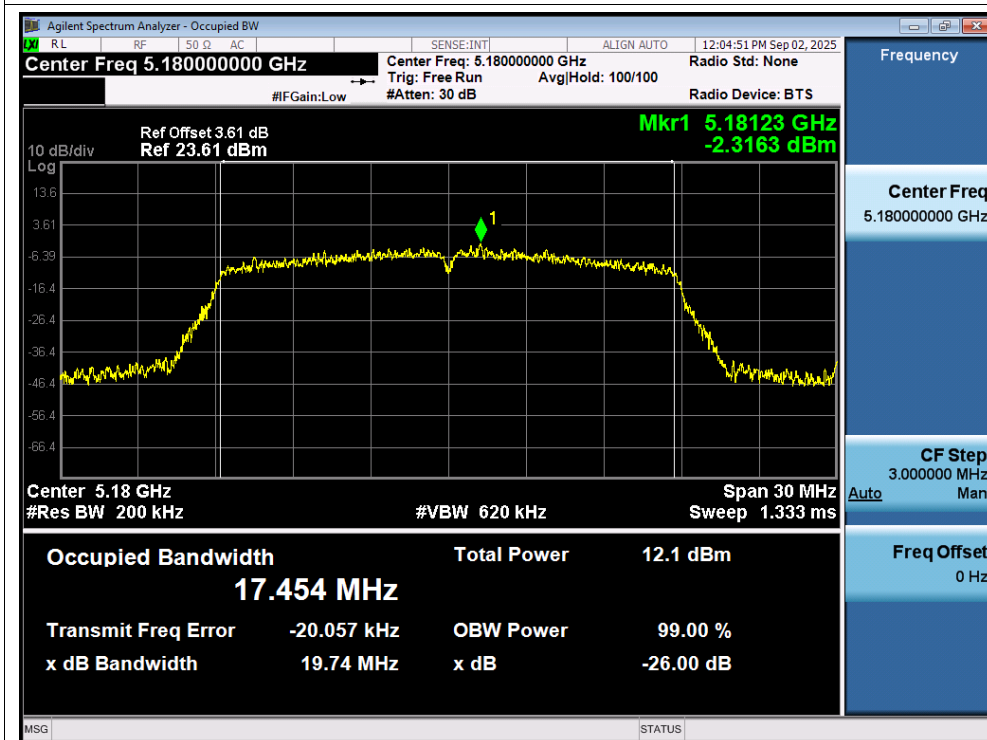
-26dB Bandwidth NVNT n40 5190MHz AntA



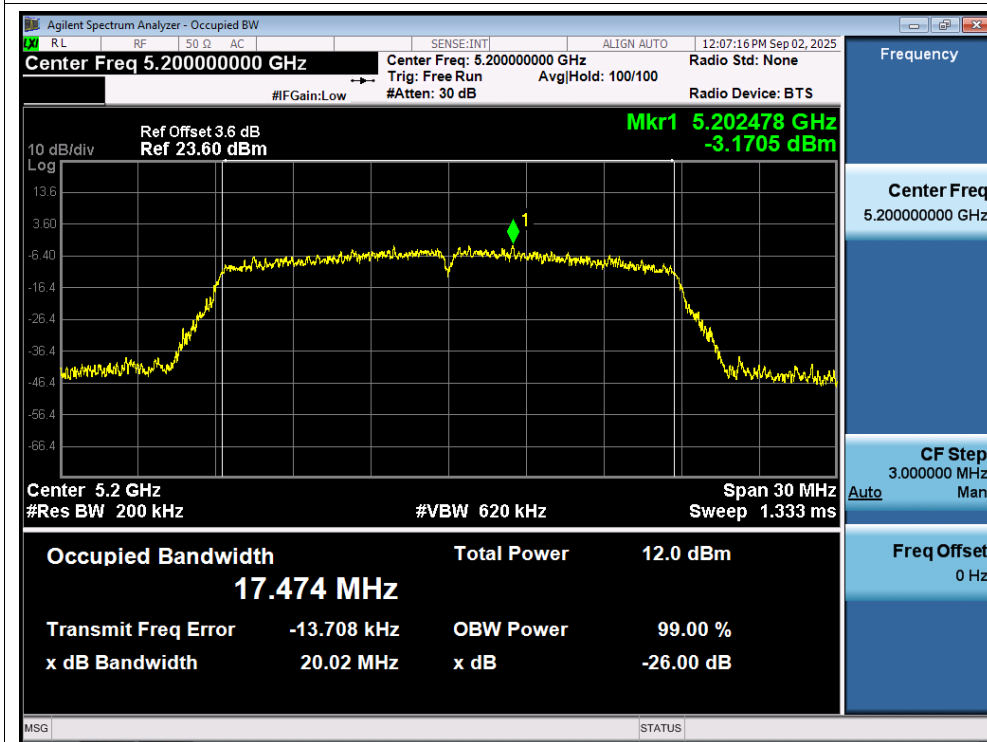
-26dB Bandwidth NVNT n40 5230MHz AntA



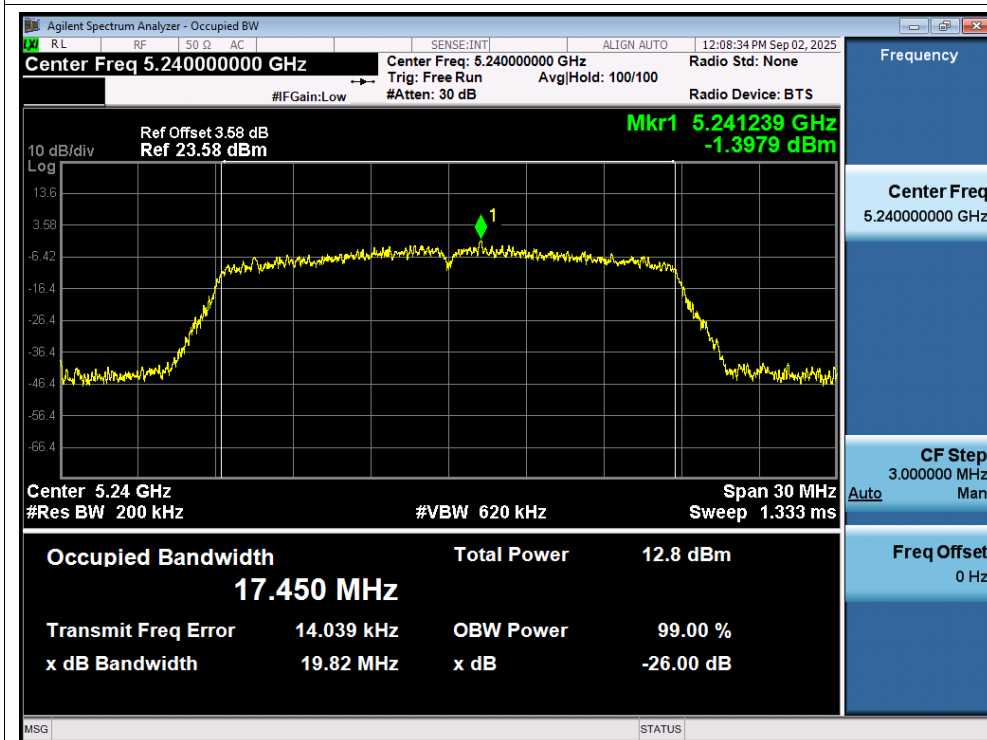
-26dB Bandwidth NVNT ac20 5180MHz AntA



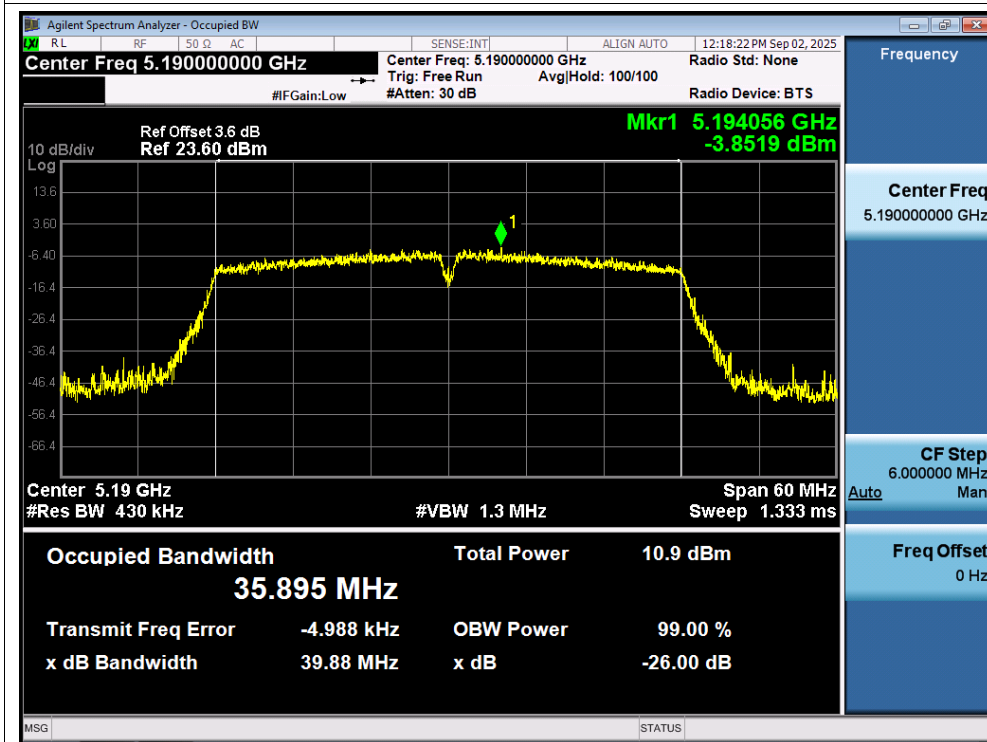
-26dB Bandwidth NVNT ac20 5200MHz AntA



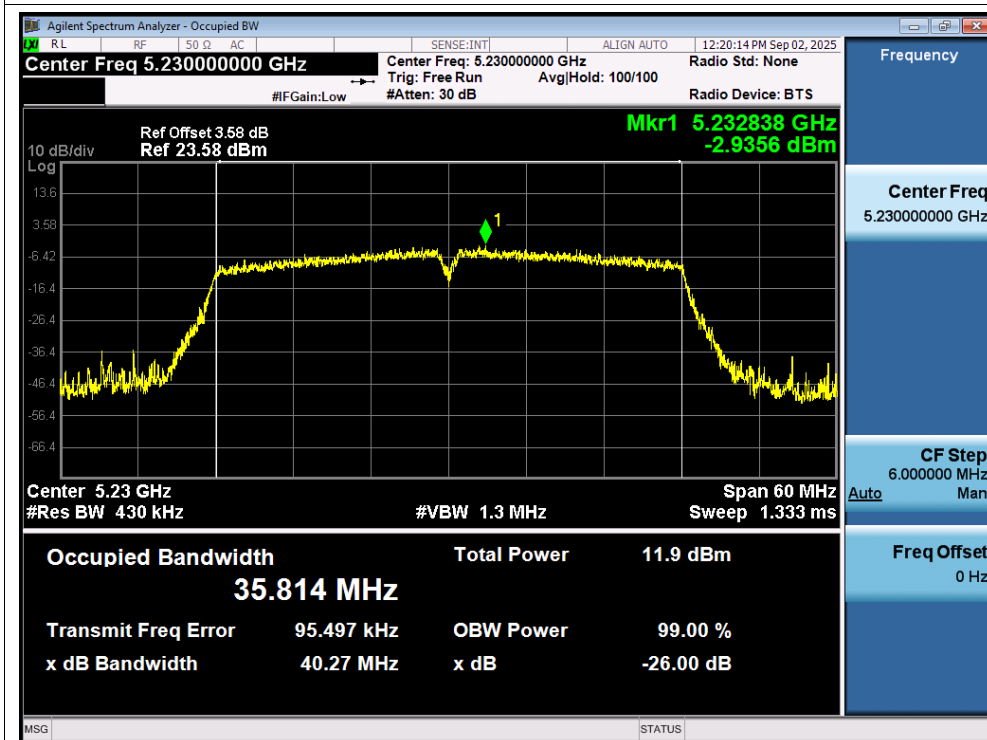
-26dB Bandwidth NVNT ac20 5240MHz AntA



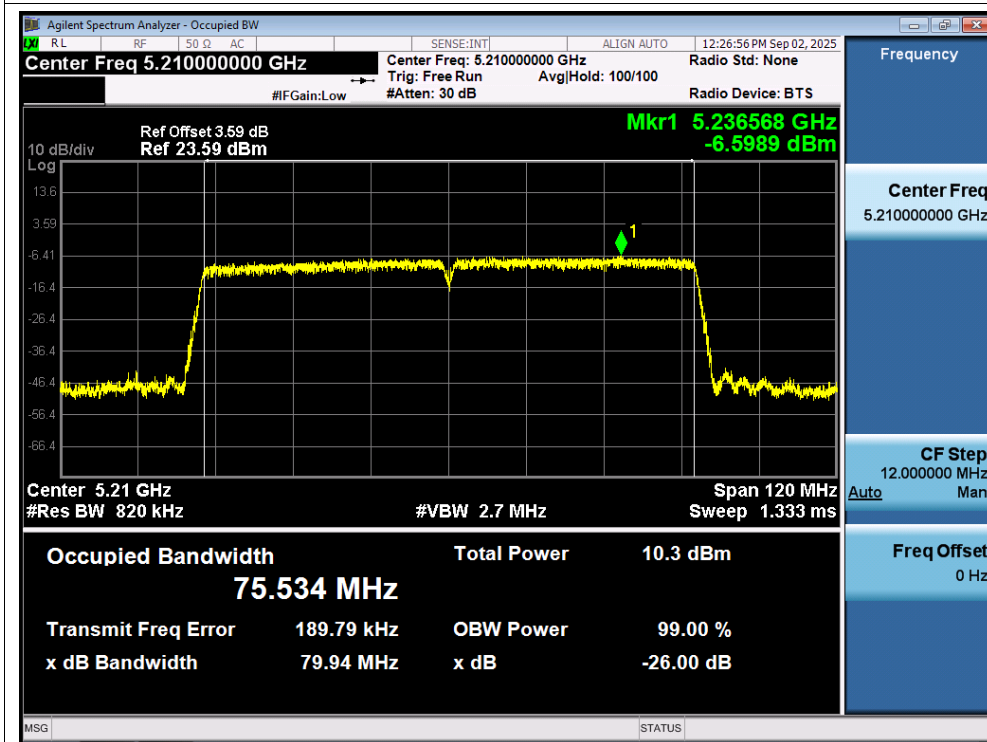
-26dB Bandwidth NVNT ac40 5190MHz AntA



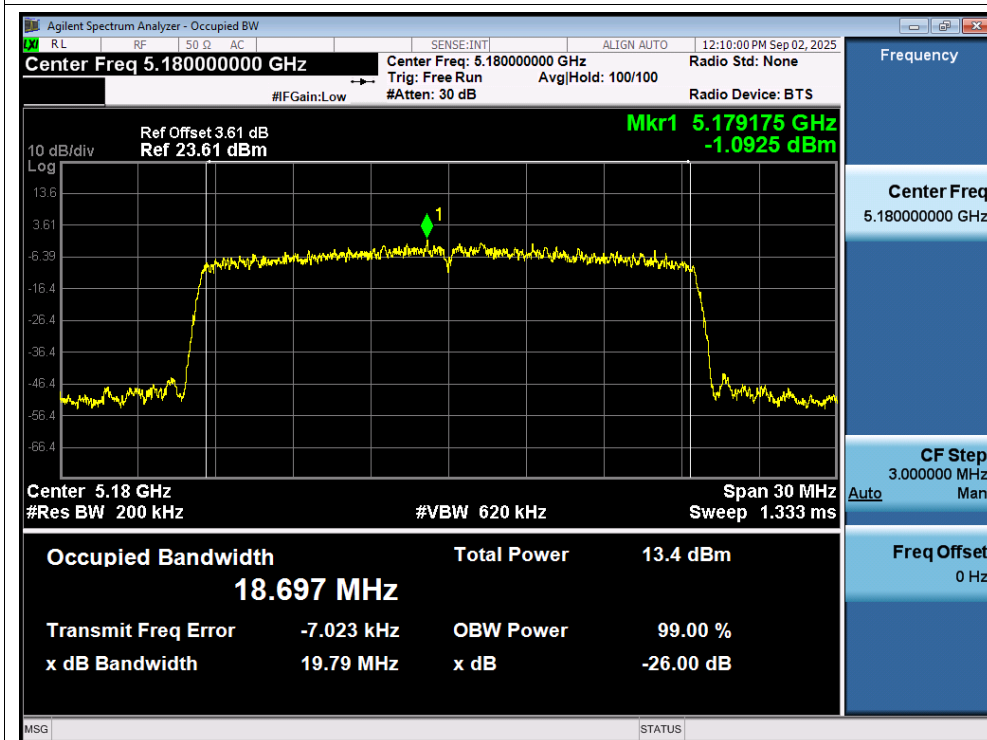
-26dB Bandwidth NVNT ac40 5230MHz AntA



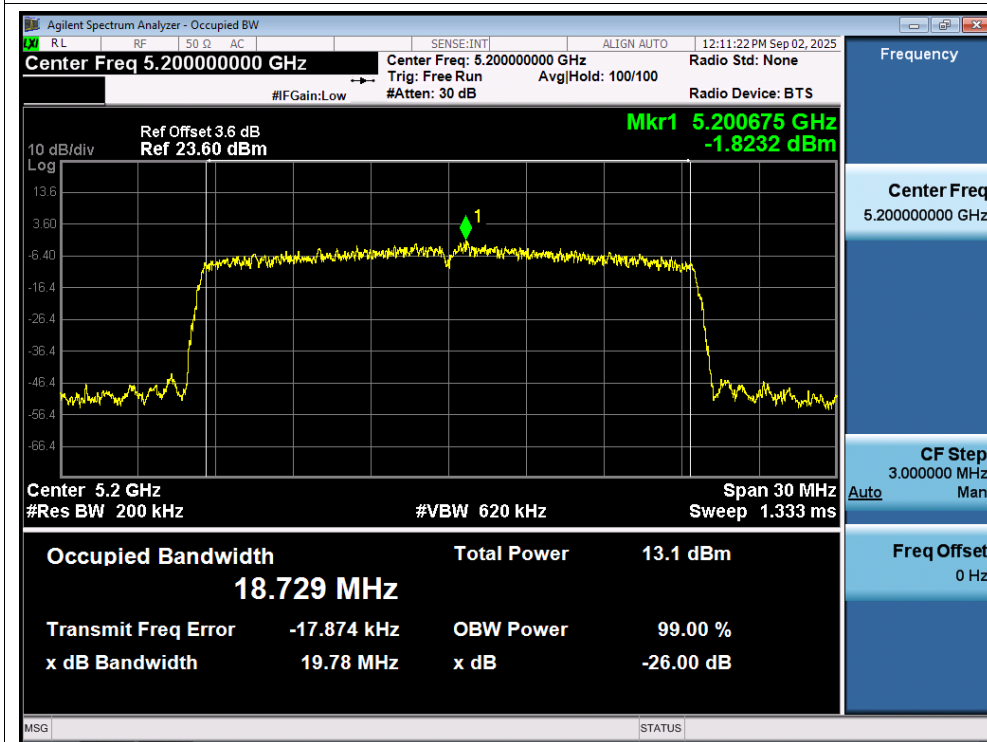
-26dB Bandwidth NVNT ac80 5210MHz AntA



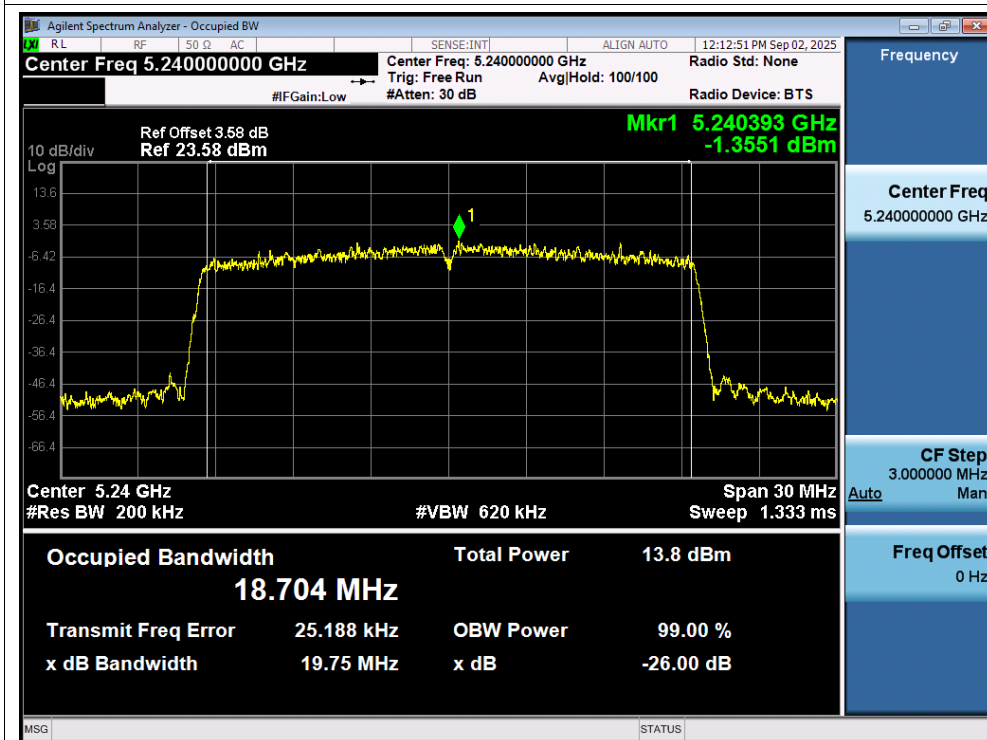
-26dB Bandwidth NVNT ax20 5180MHz AntA



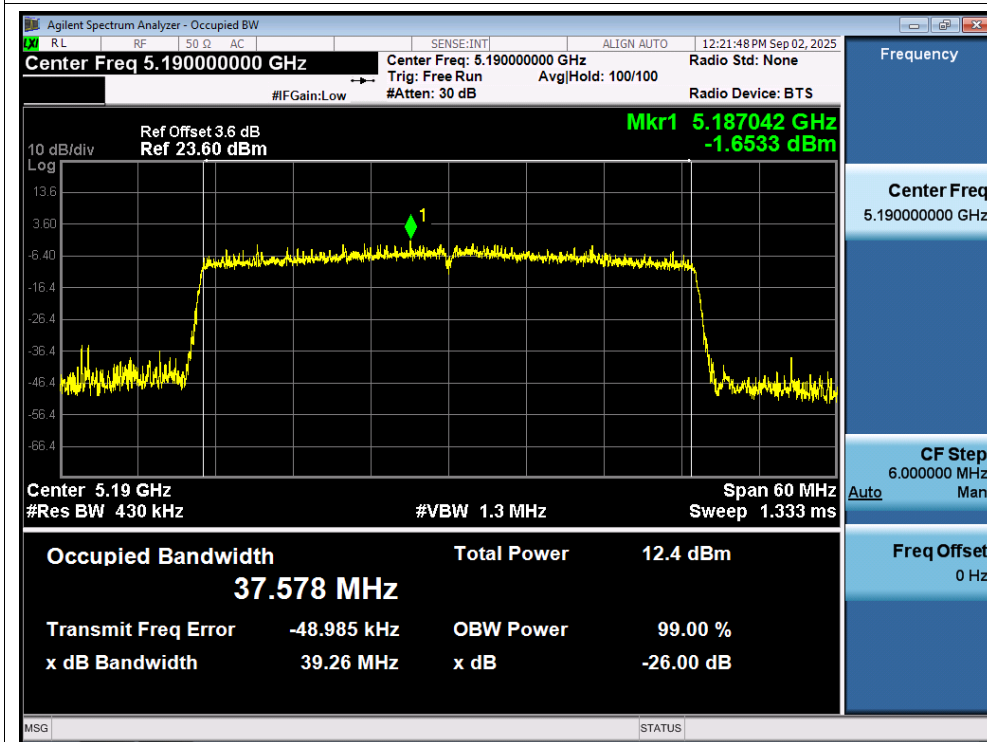
-26dB Bandwidth NVNT ax20 5200MHz AntA



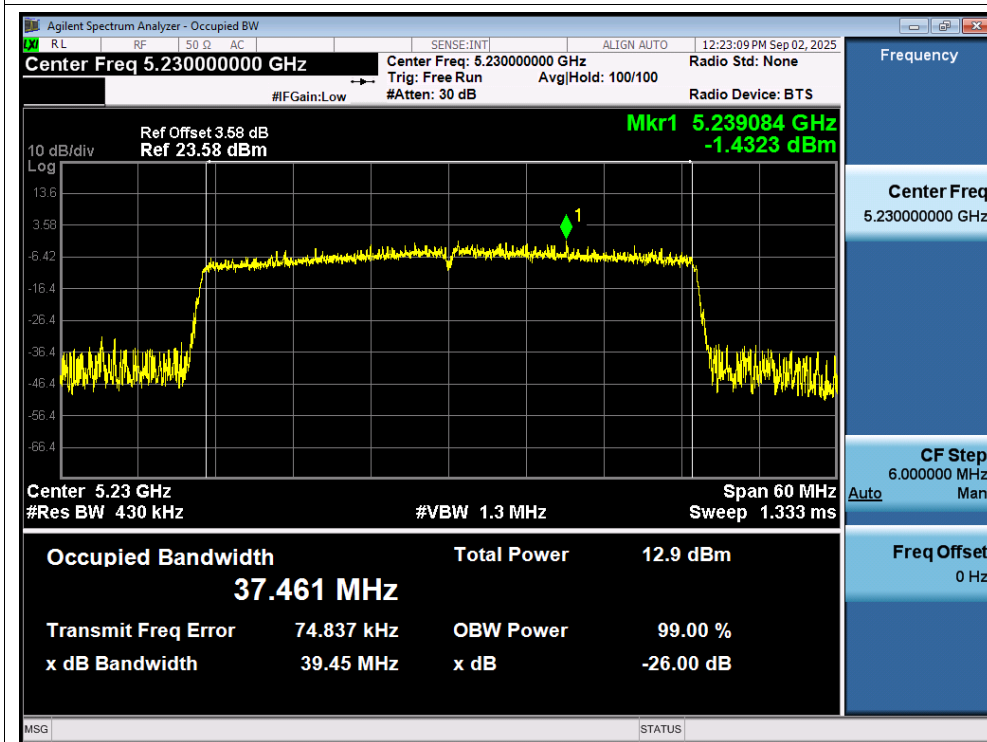
-26dB Bandwidth NVNT ax20 5240MHz AntA



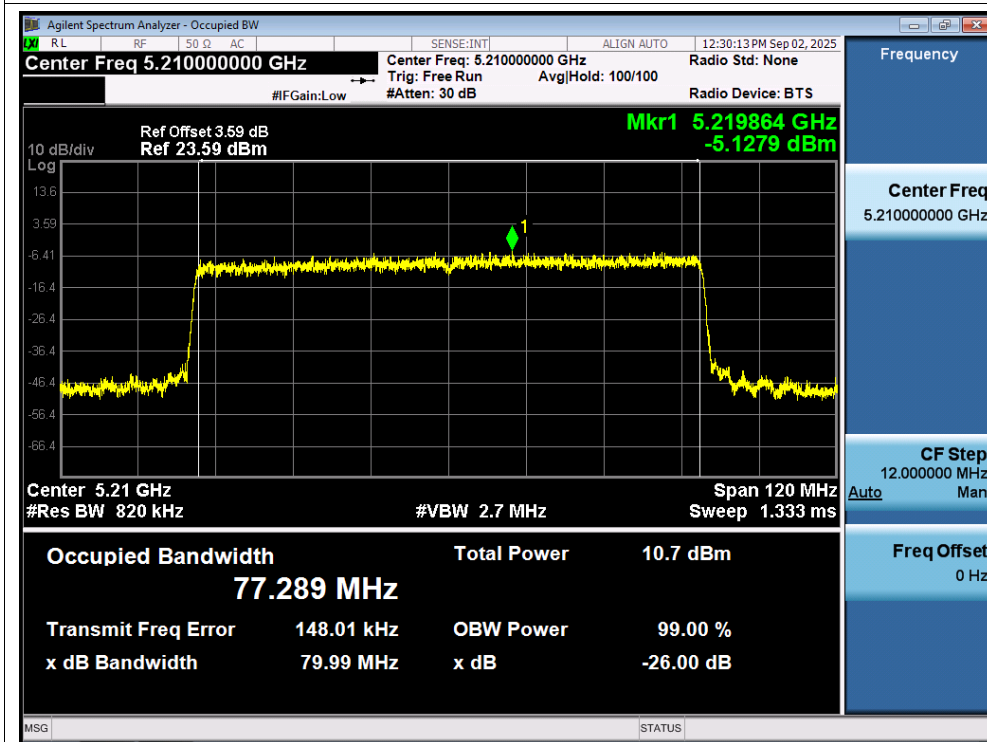
-26dB Bandwidth NVNT ax40 5190MHz AntA



-26dB Bandwidth NVNT ax40 5230MHz AntA



-26dB Bandwidth NVNT ax80 5210MHz AntA



Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	AntA	-1.31	11	Pass
NVNT	a	5200	AntA	-1.48	11	Pass
NVNT	a	5240	AntA	0.16	11	Pass
NVNT	n20	5180	AntA	-3.03	11	Pass
NVNT	n20	5200	AntA	-3.34	11	Pass
NVNT	n20	5240	AntA	-1.55	11	Pass
NVNT	n40	5190	AntA	-7.75	11	Pass
NVNT	n40	5230	AntA	-6.46	11	Pass
NVNT	ac20	5180	AntA	-3.06	11	Pass
NVNT	ac20	5200	AntA	-3.07	11	Pass
NVNT	ac20	5240	AntA	-2.38	11	Pass
NVNT	ac40	5190	AntA	-7.72	11	Pass
NVNT	ac40	5230	AntA	-6.77	11	Pass
NVNT	ac80	5210	AntA	-13.45	11	Pass
NVNT	ax20	5180	AntA	-3.13	11	Pass
NVNT	ax20	5200	AntA	-3.48	11	Pass
NVNT	ax20	5240	AntA	-2.67	11	Pass
NVNT	ax40	5190	AntA	-7.26	11	Pass
NVNT	ax40	5230	AntA	-6.72	11	Pass
NVNT	ax80	5210	AntA	-13.49	11	Pass

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
			Ant A	Ant B	Total		
NVNT	a	5180	-1.31	-0.72	/	11	Pass
NVNT	a	5200	-1.48	-0.61	/	11	Pass
NVNT	a	5240	0.16	0.03	/	11	Pass
NVNT	n20	5180	-3.03	-2.15	0.44	11	Pass
NVNT	n20	5200	-3.34	-2.61	0.05	11	Pass
NVNT	n20	5240	-1.55	-1.4	1.54	11	Pass
NVNT	n40	5190	-7.75	-7.13	-4.42	11	Pass
NVNT	n40	5230	-6.46	-6.2	-3.32	11	Pass
NVNT	ac20	5180	-3.06	-2.43	0.28	11	Pass
NVNT	ac20	5200	-3.07	-2.42	0.28	11	Pass
NVNT	ac20	5240	-2.38	-1.81	0.92	11	Pass
NVNT	ac40	5190	-7.72	-7.48	-4.59	11	Pass
NVNT	ac40	5230	-6.77	-6.32	-3.53	11	Pass
NVNT	ac80	5210	-13.45	-13.53	-10.48	11	Pass
NVNT	ax20	5180	-3.13	-2.63	0.14	11	Pass
NVNT	ax20	5200	-3.48	-2.8	-0.12	11	Pass
NVNT	ax20	5240	-2.67	-1.67	0.87	11	Pass
NVNT	ax40	5190	-7.26	-7.56	-4.40	11	Pass
NVNT	ax40	5230	-6.72	-6.48	-3.59	11	Pass
NVNT	ax80	5210	-13.49	-13.33	-10.40	11	Pass

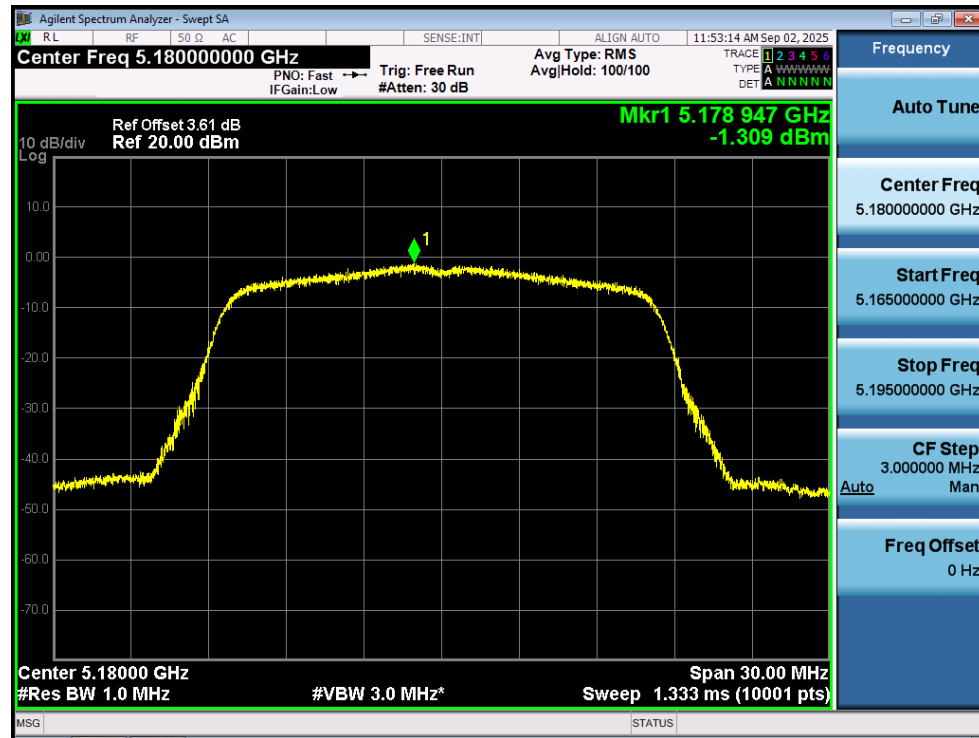
Note:

Antenna A gain: 1.10 dBi, Antenna B gain: 1.90 dBi, Directional gain=[GainANT + 10 log(NANT/NSS) dBi] =4.91 dBi<6dBi

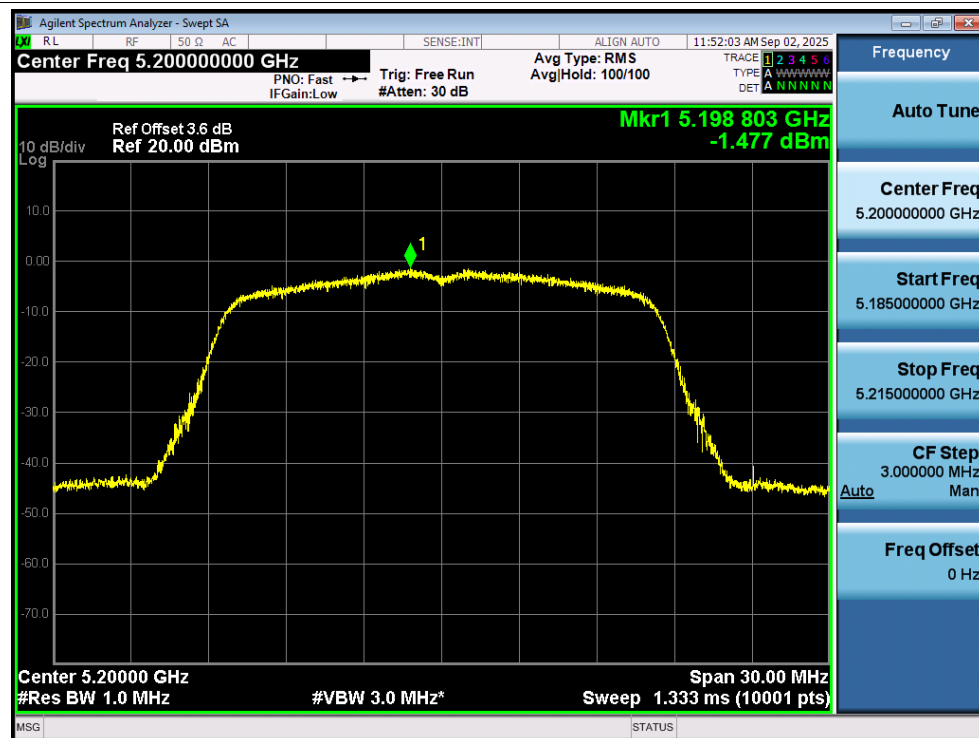
Limit=11 dBi

Test Graphs

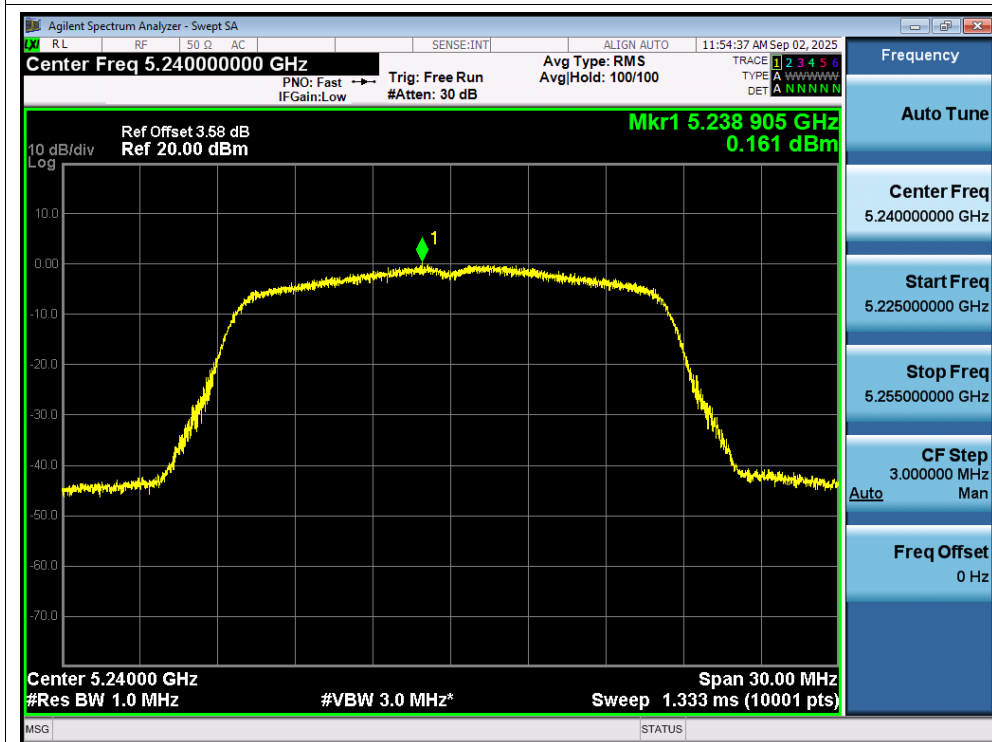
PSD NVNT a 5180MHz AntA



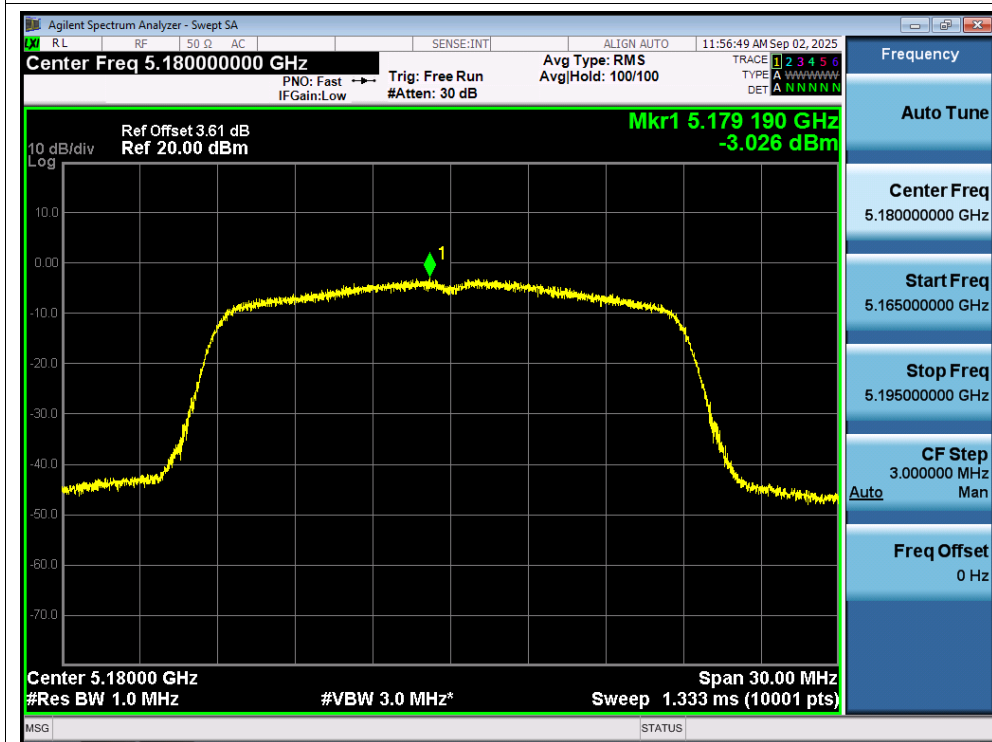
PSD NVNT a 5200MHz AntA

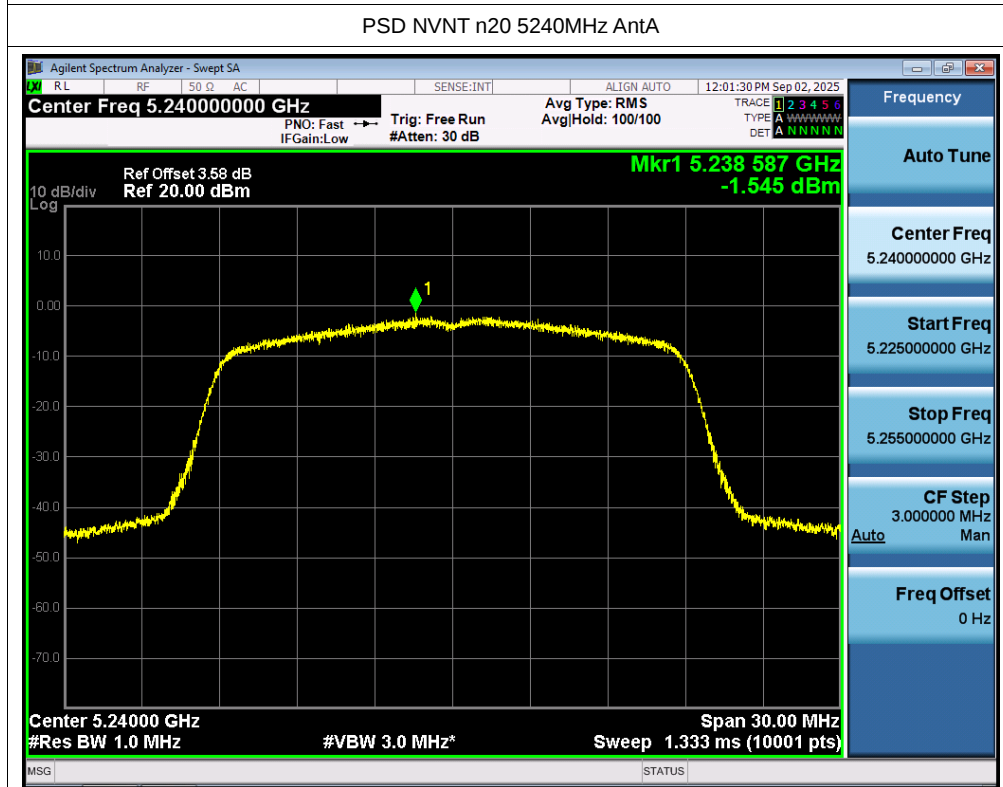
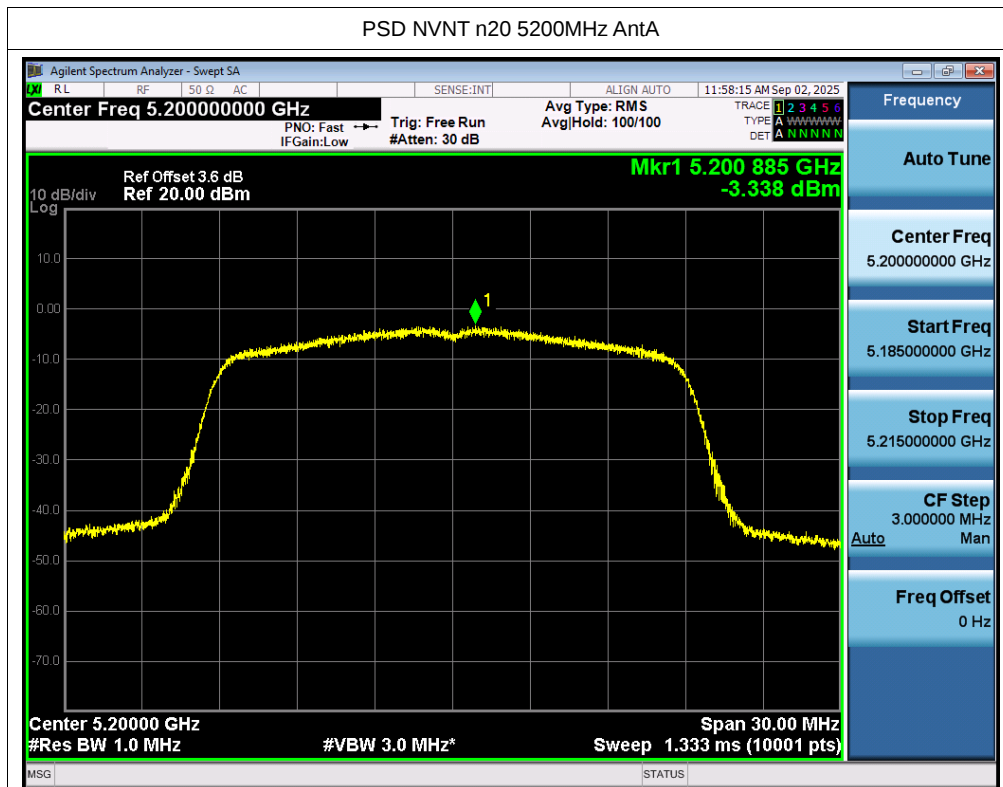


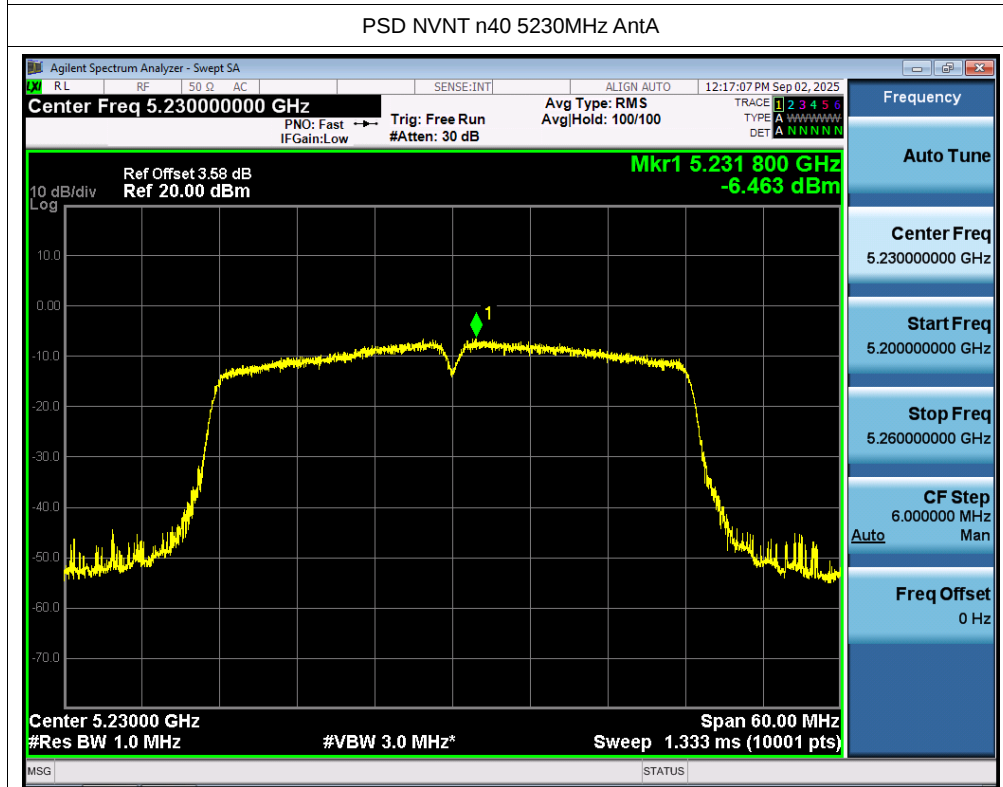
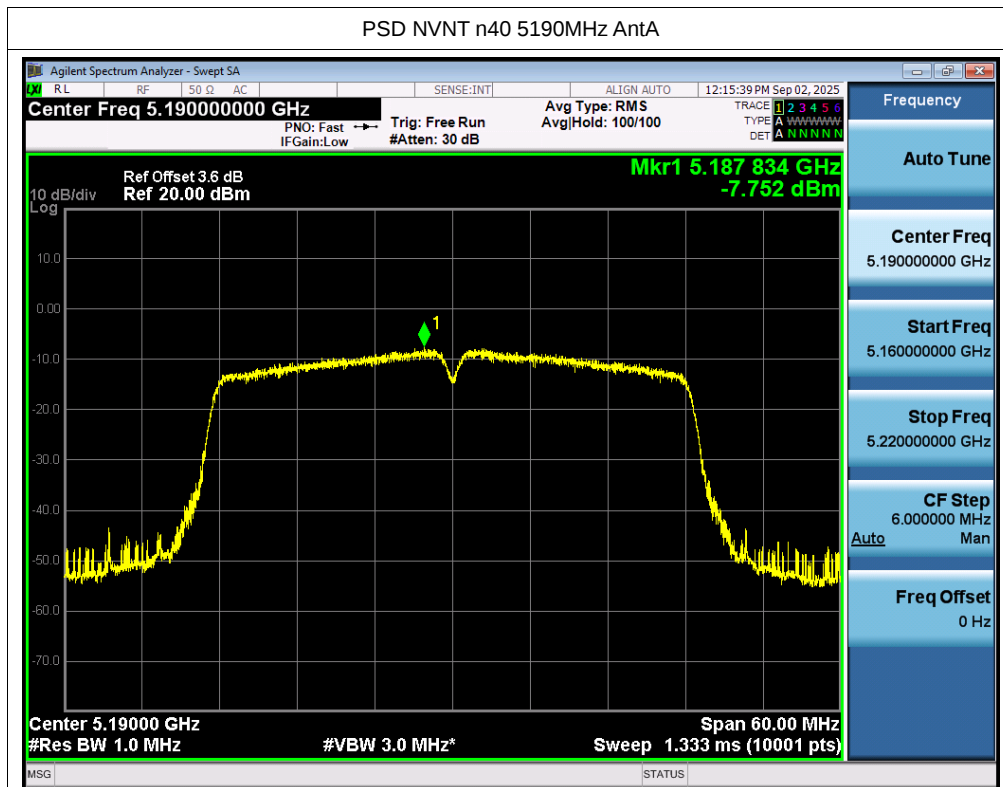
PSD NVNT a 5240MHz AntA



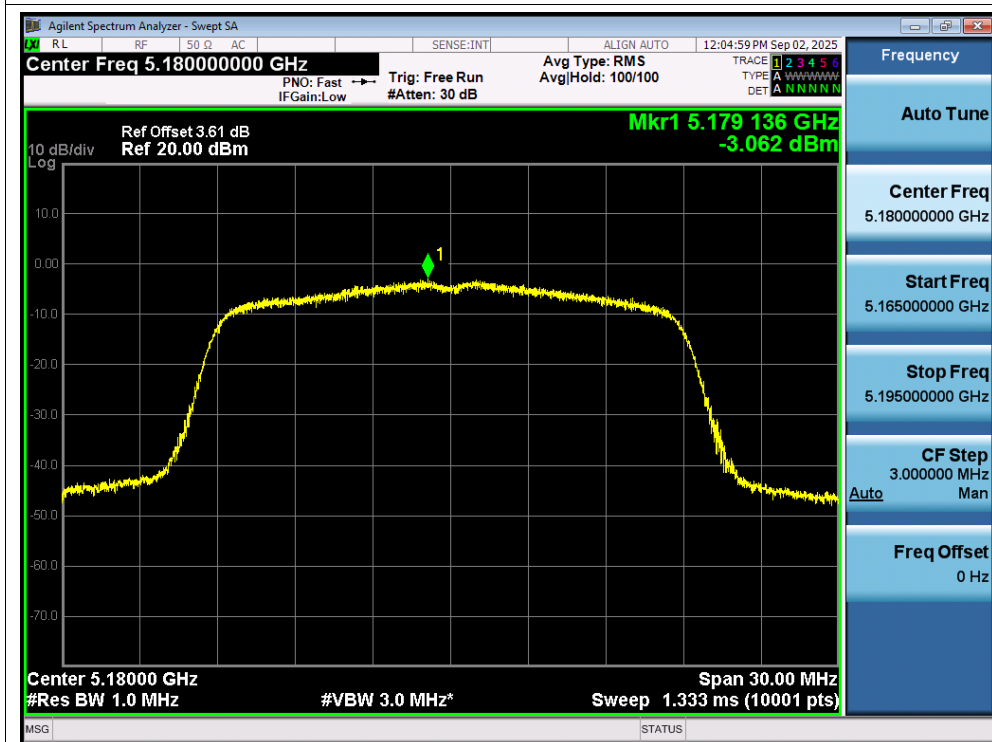
PSD NVNT n20 5180MHz AntA



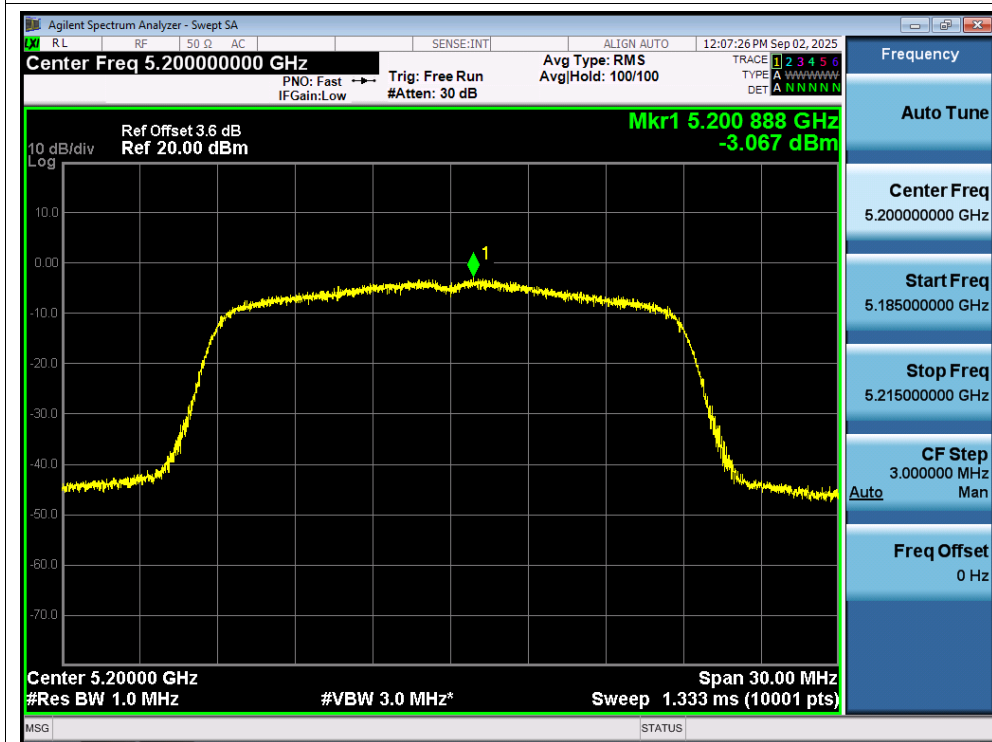




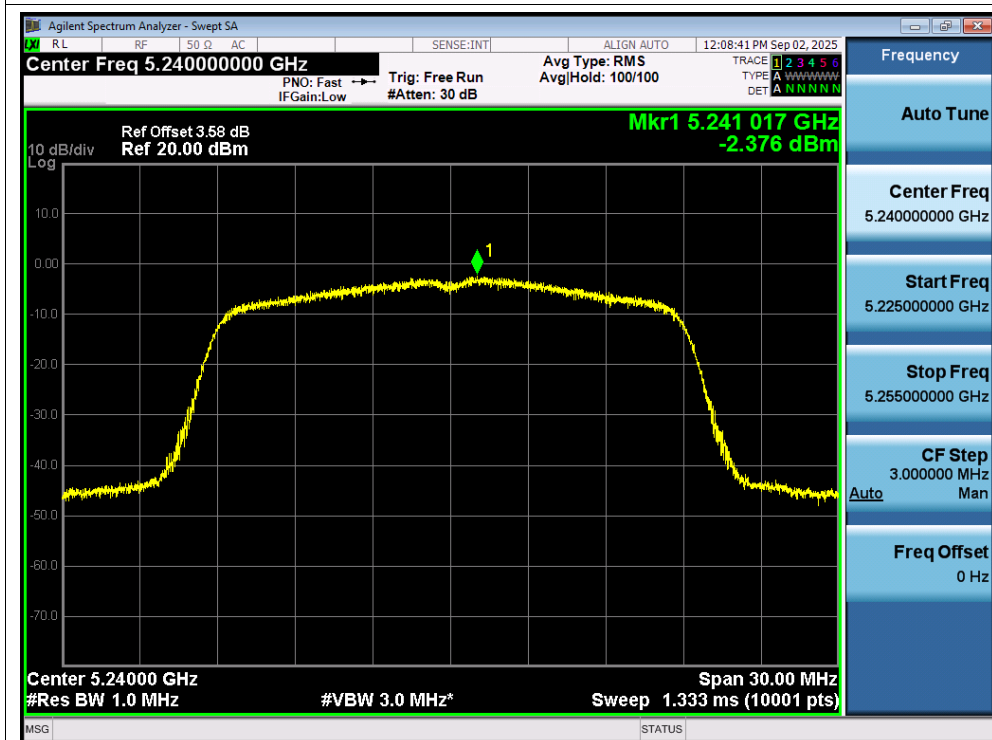
PSD NVNT ac20 5180MHz AntA



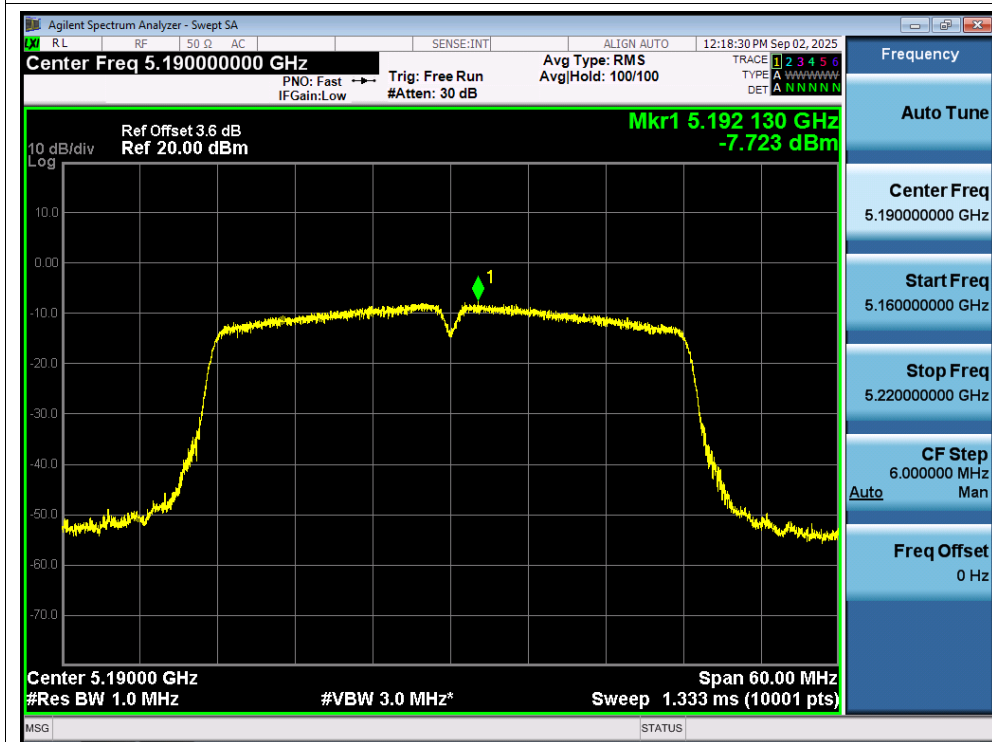
PSD NVNT ac20 5200MHz AntA



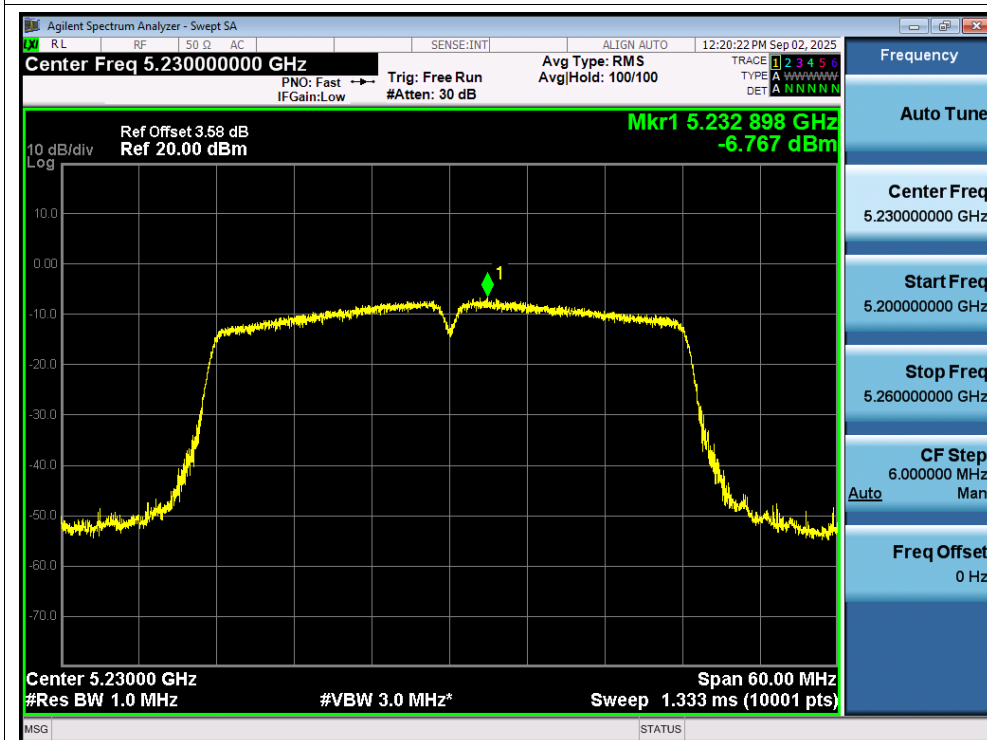
PSD NVNT ac20 5240MHz AntA



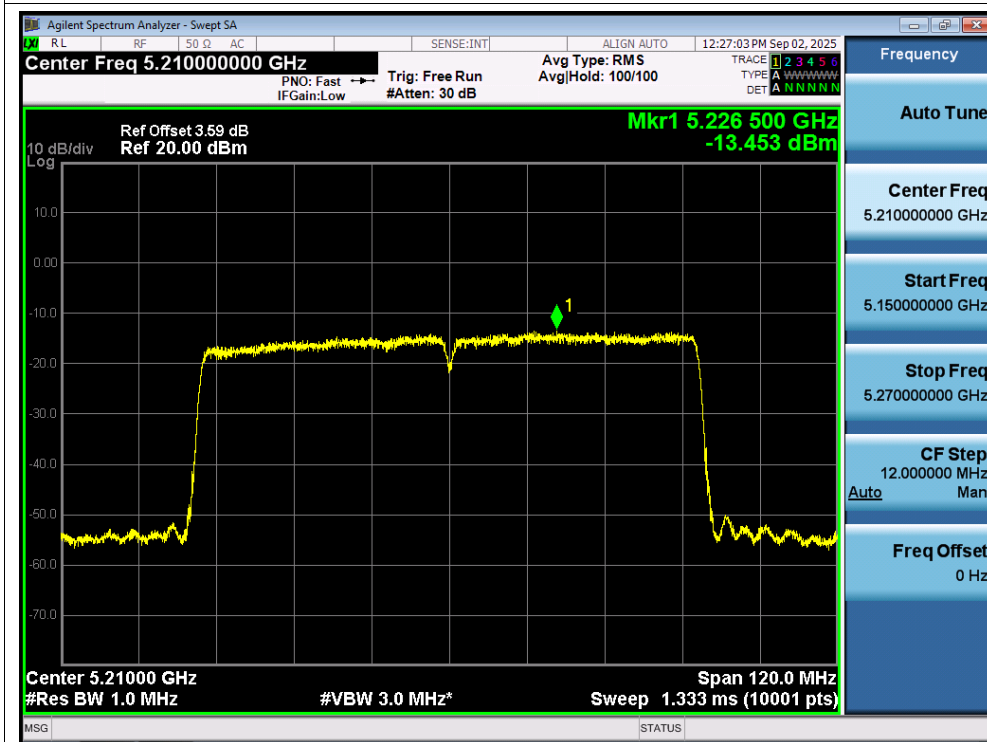
PSD NVNT ac40 5190MHz AntA



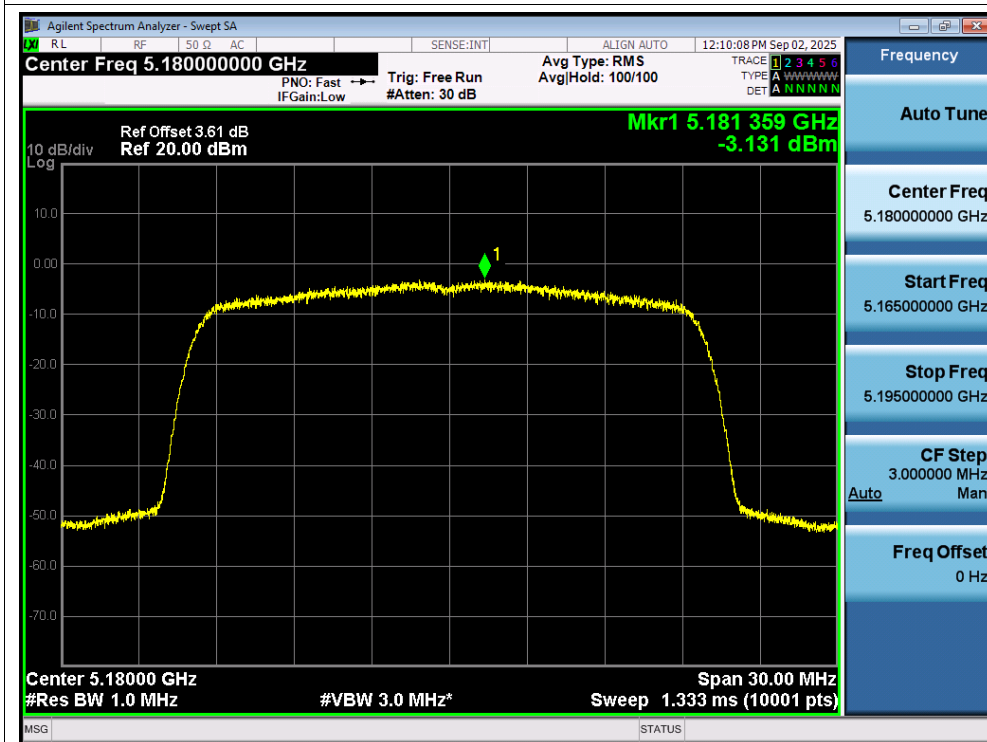
PSD NVNT ac40 5230MHz AntA



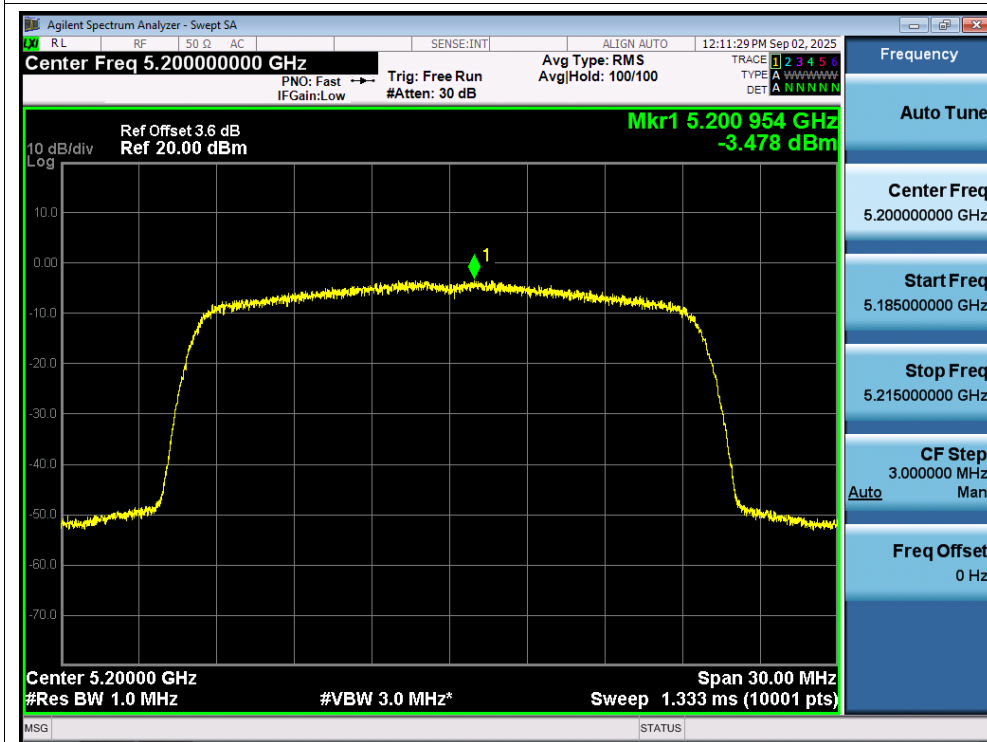
PSD NVNT ac80 5210MHz AntA



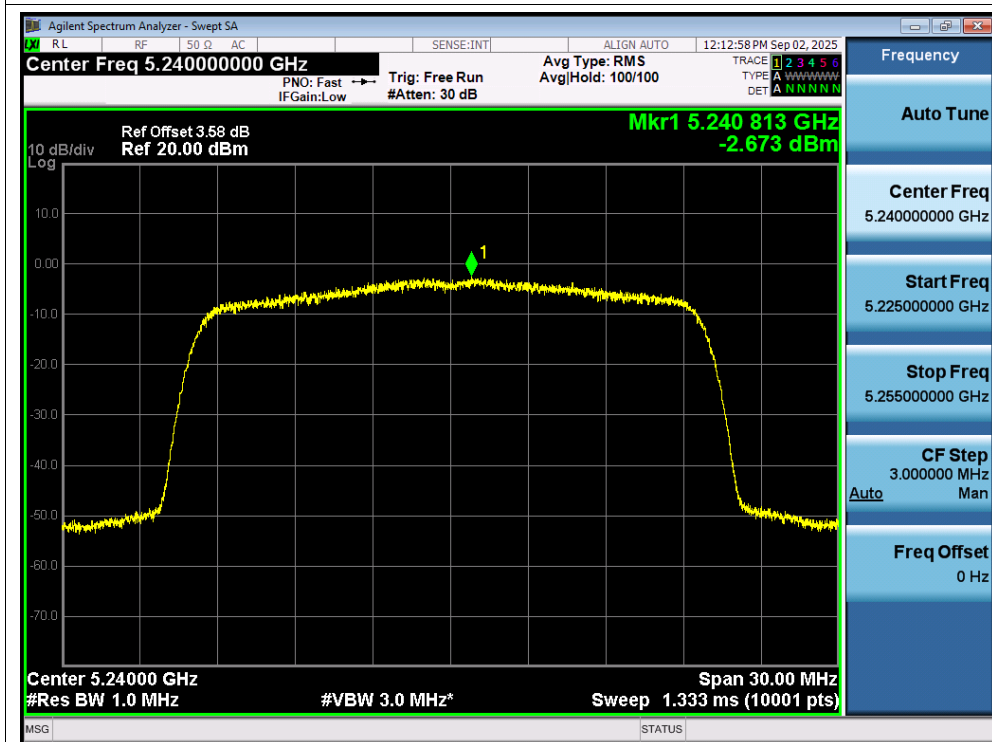
PSD NVNT ax20 5180MHz AntA



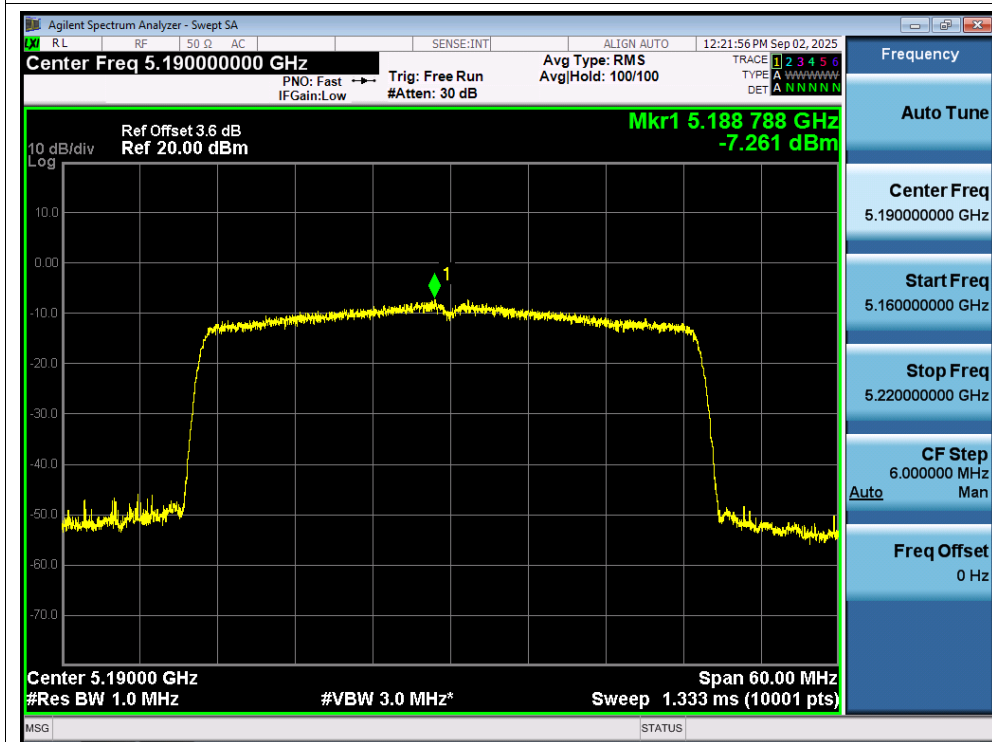
PSD NVNT ax20 5200MHz AntA



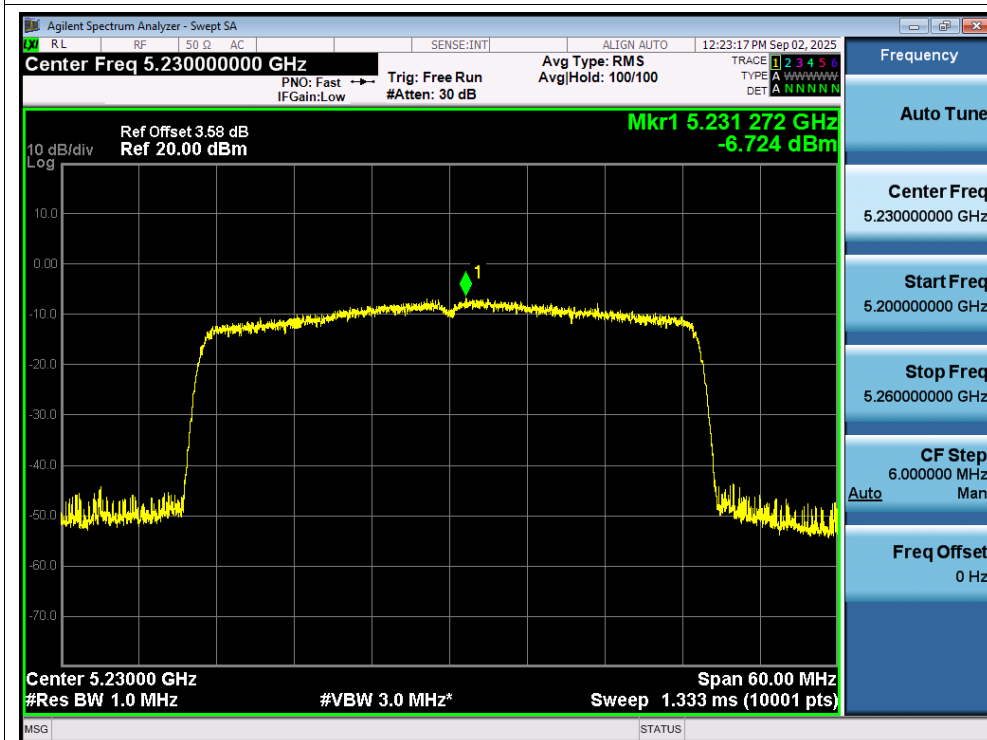
PSD NVNT ax20 5240MHz AntA



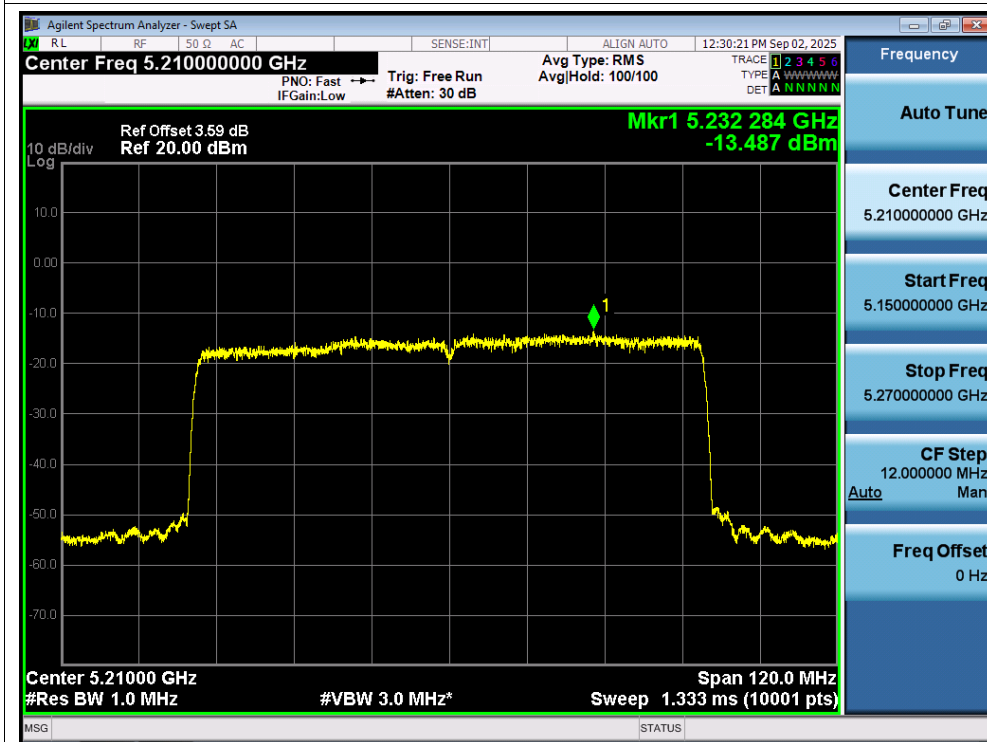
PSD NVNT ax40 5190MHz AntA



PSD NVNT ax40 5230MHz AntA



PSD NVNT ax80 5210MHz AntA



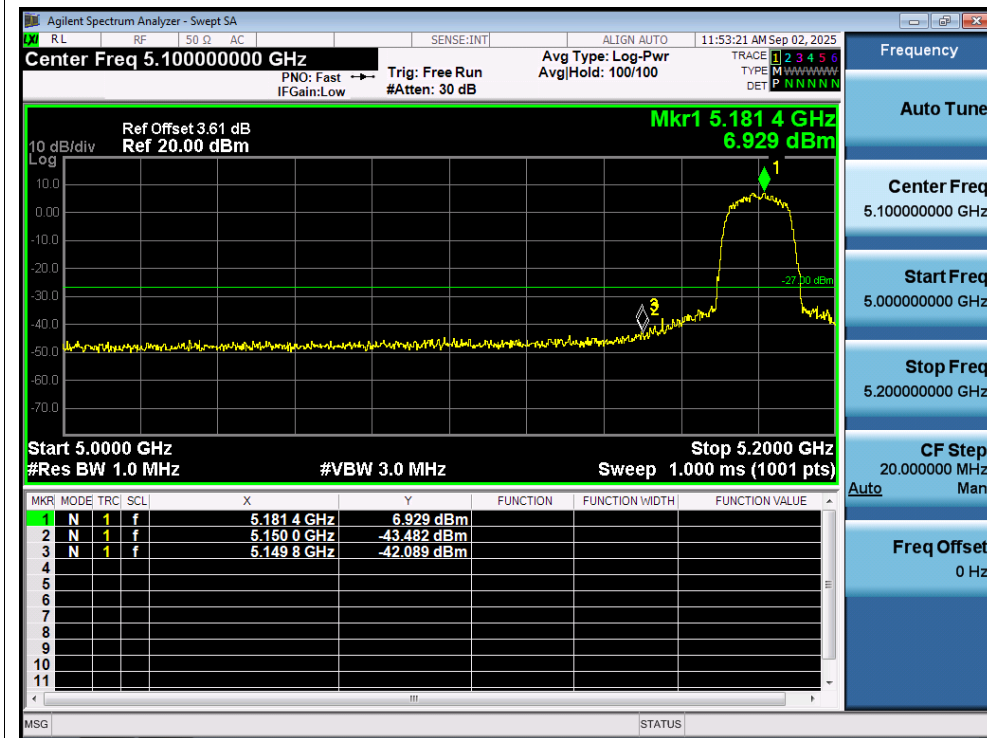
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Antenna gain(dBi)	Max eirp Value (dBm)	eirp Limit (dBm)	Verdict
NVNT	a	5180	AntA	-42.08	1.1	-40.98	-27	Pass
NVNT	a	5240	AntA	-44.57	1.1	-43.47	-27	Pass
NVNT	n20	5180	AntA	-44.54	1.1	-43.44	-27	Pass
NVNT	n20	5240	AntA	-45.56	1.1	-44.46	-27	Pass
NVNT	n40	5190	AntA	-35.3	1.1	-34.2	-27	Pass
NVNT	n40	5230	AntA	-45.63	1.1	-44.53	-27	Pass
NVNT	ac20	5180	AntA	-44.04	1.1	-42.94	-27	Pass
NVNT	ac20	5240	AntA	-44.5	1.1	-43.4	-27	Pass
NVNT	ac40	5190	AntA	-40.72	1.1	-39.62	-27	Pass
NVNT	ac40	5230	AntA	-44.25	1.1	-43.15	-27	Pass
NVNT	ac80	5210	AntA	-43.04	1.1	-41.94	-27	Pass
NVNT	ac80	5210	AntA	-44.73	1.1	-43.63	-27	Pass
NVNT	ax20	5180	AntA	-44.69	1.1	-43.59	-27	Pass
NVNT	ax20	5240	AntA	-45.69	1.1	-44.59	-27	Pass
NVNT	ax40	5190	AntA	-34.16	1.1	-33.06	-27	Pass
NVNT	ax40	5230	AntA	-45.46	1.1	-44.36	-27	Pass
NVNT	ax80	5210	AntA	-43.5	1.1	-42.4	-27	Pass
NVNT	ax80	5210	AntA	-43.61	1.1	-42.51	-27	Pass

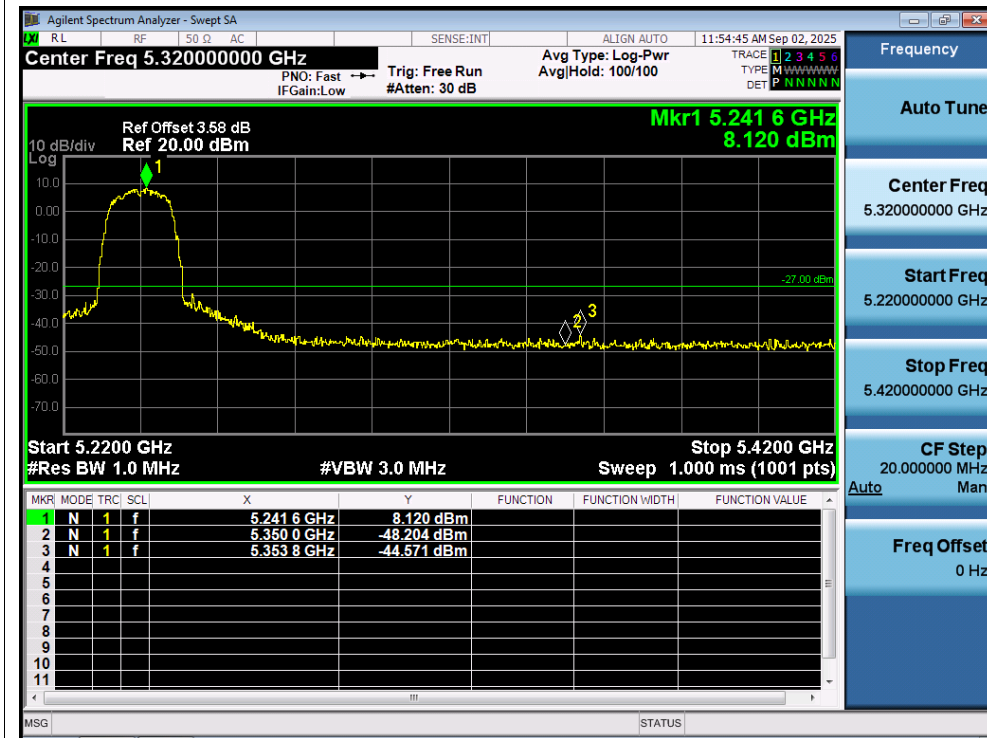
Note: Max eirp Value (dBm)= Max Value (dBm)+ Antenna gain(dBi), Antenna gain(dBi)=1.1dBi

Test Graphs

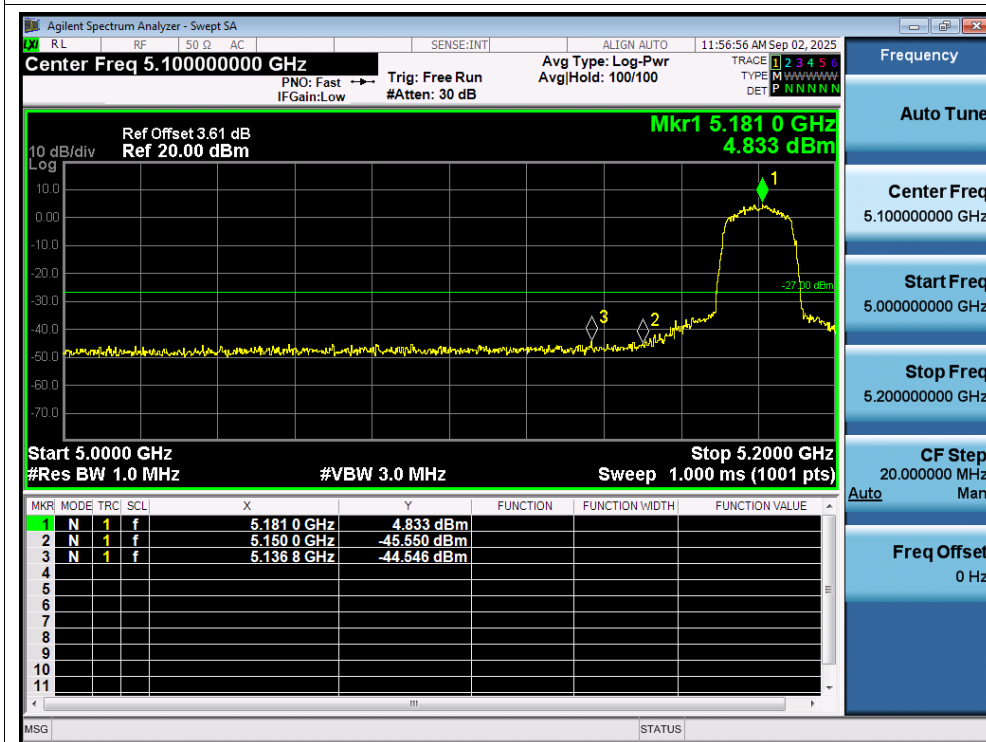
Band Edge NVNT a 5180MHz Low AntA



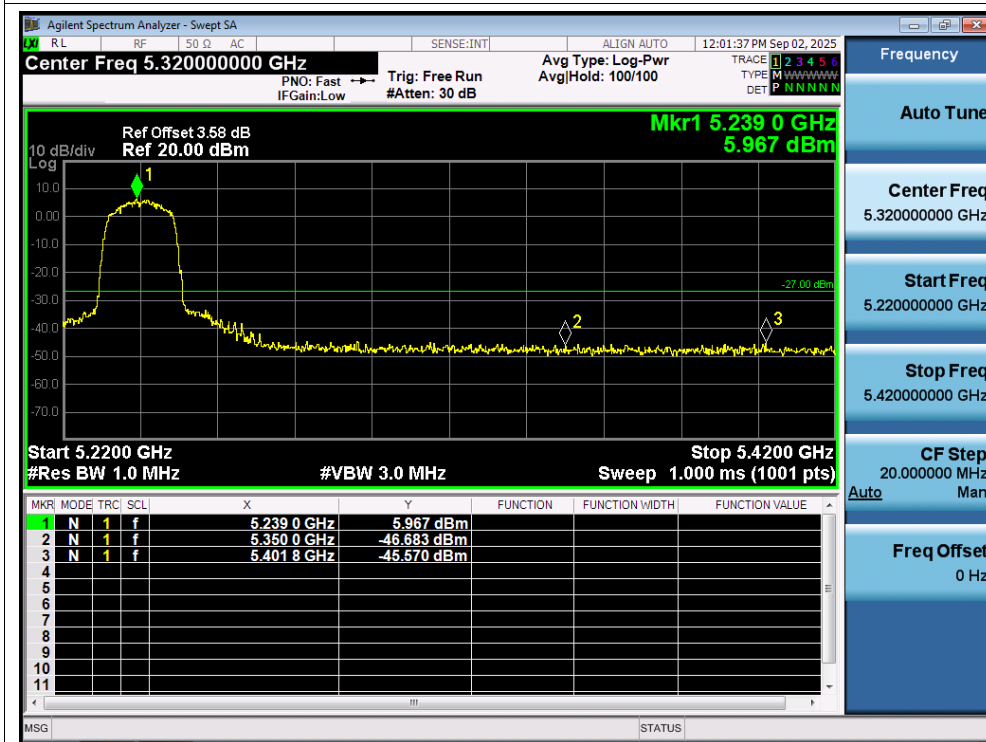
Band Edge NVNT a 5240MHz High AntA



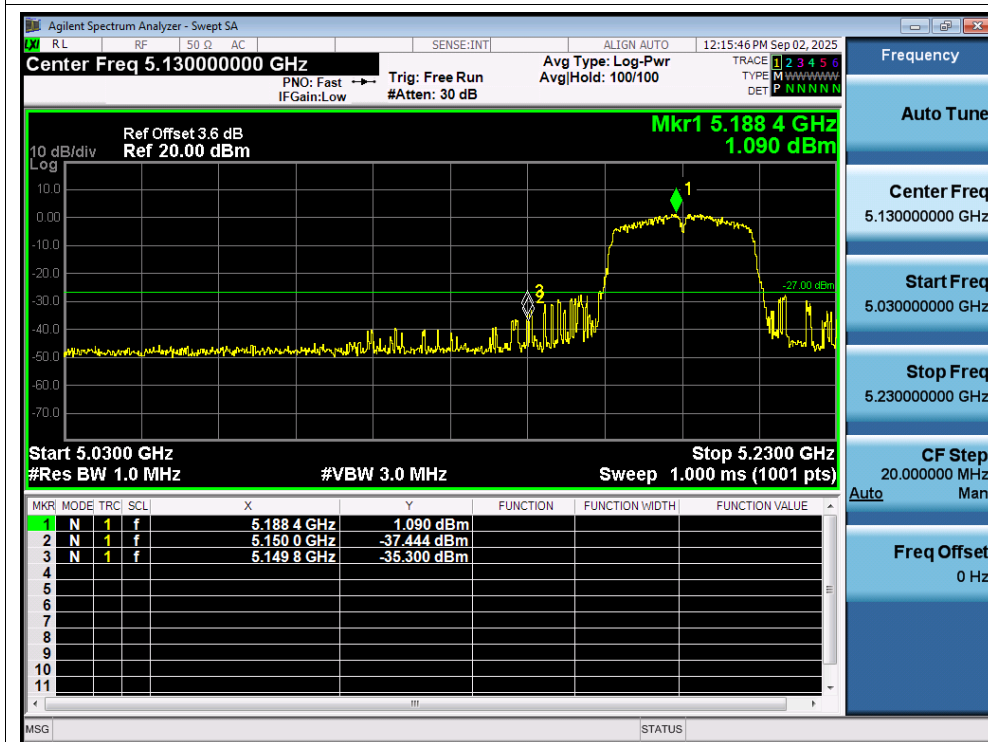
Band Edge NVNT n20 5180MHz Low AntA



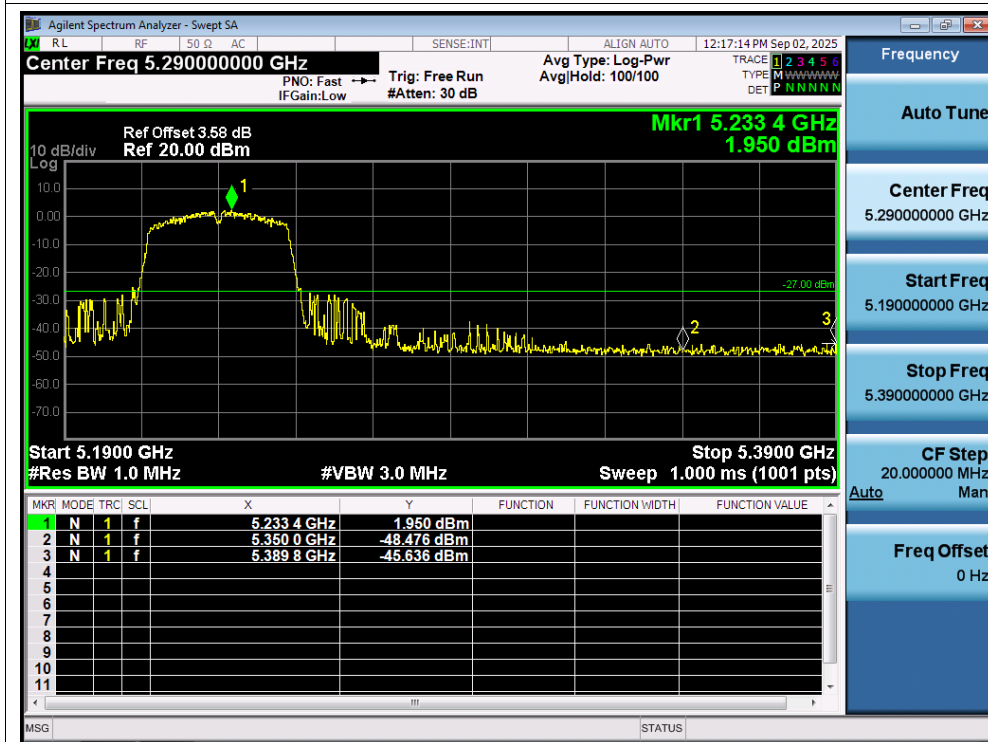
Band Edge NVNT n20 5240MHz High AntA

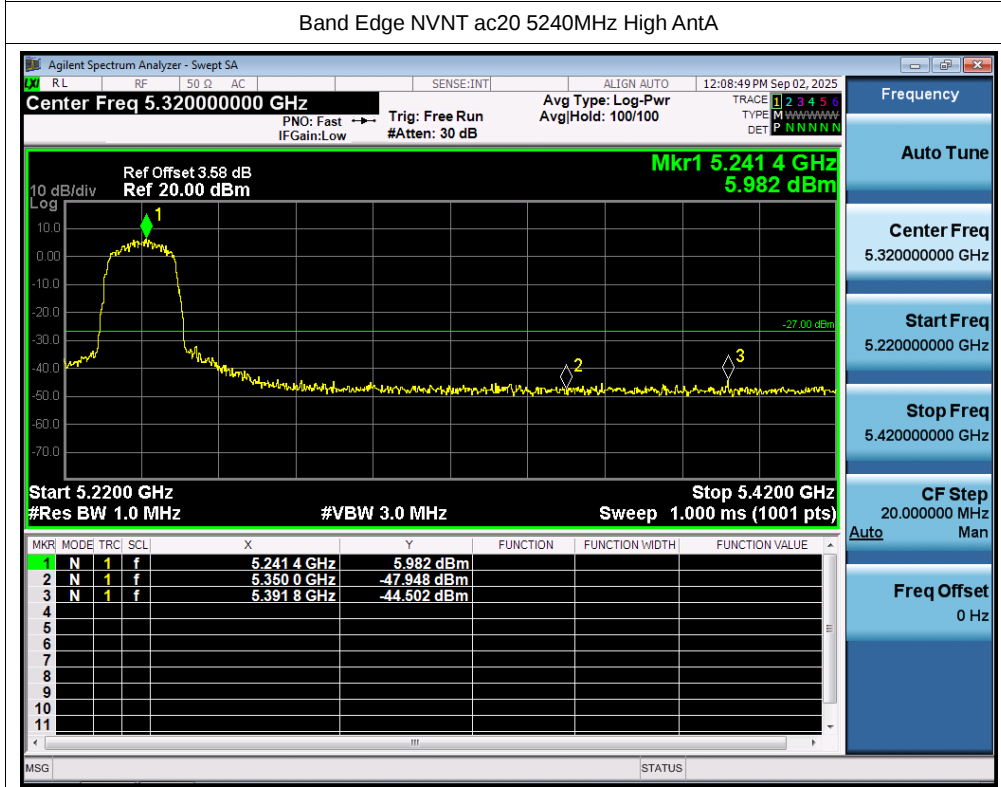
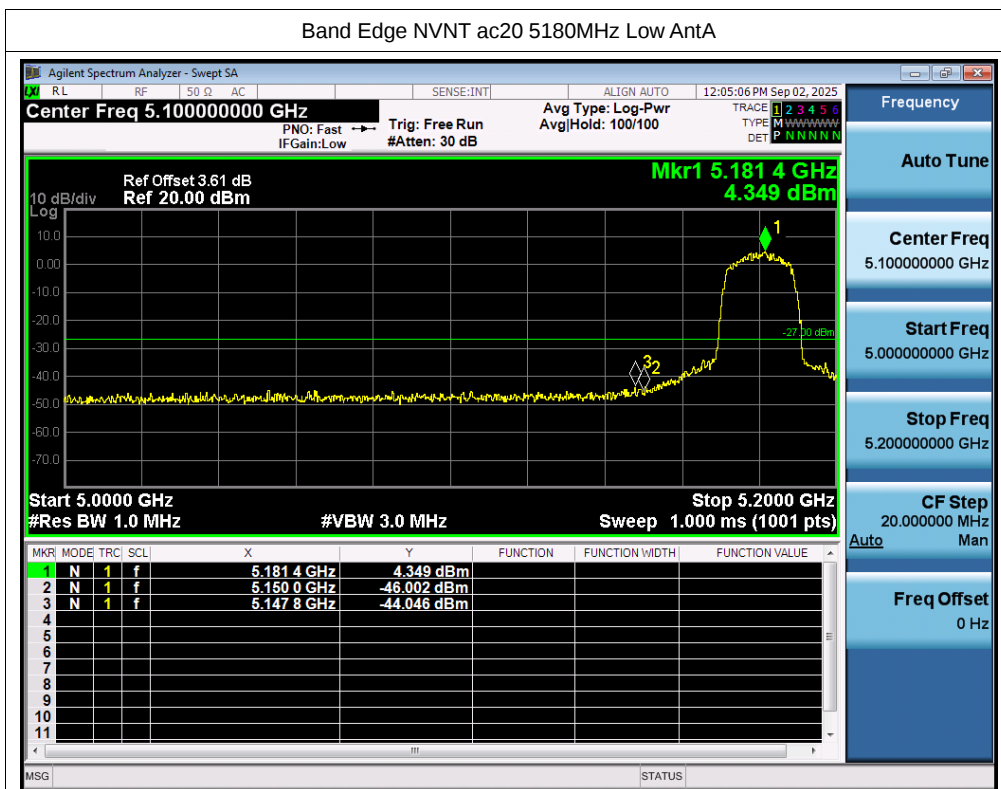


Band Edge NVNT n40 5190MHz Low AntA

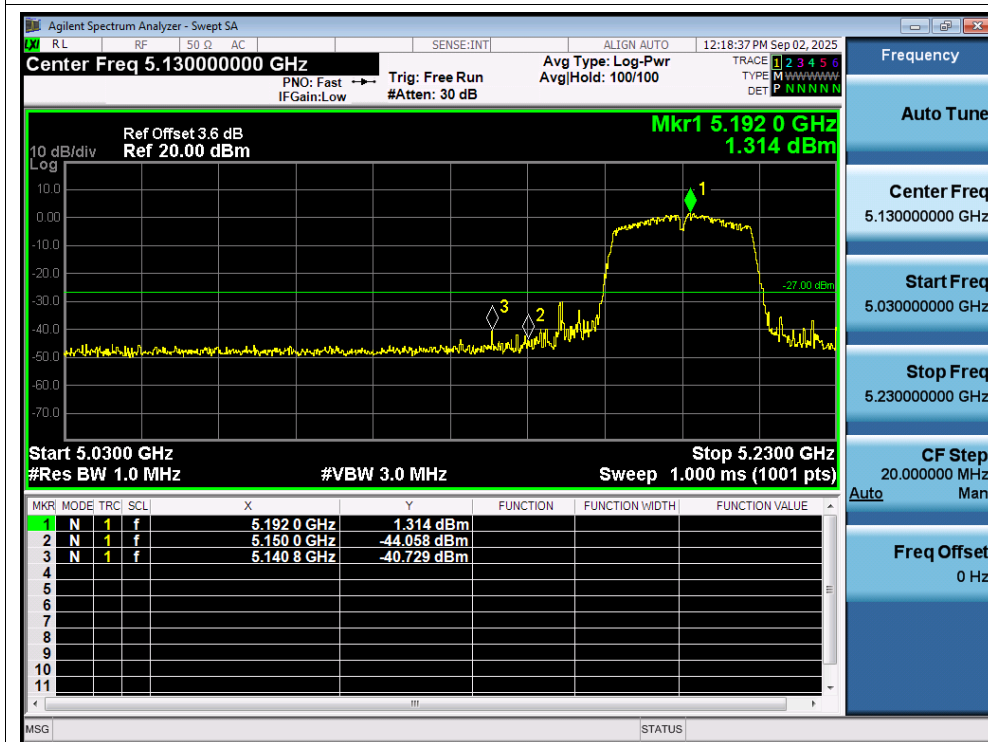


Band Edge NVNT n40 5230MHz High AntA

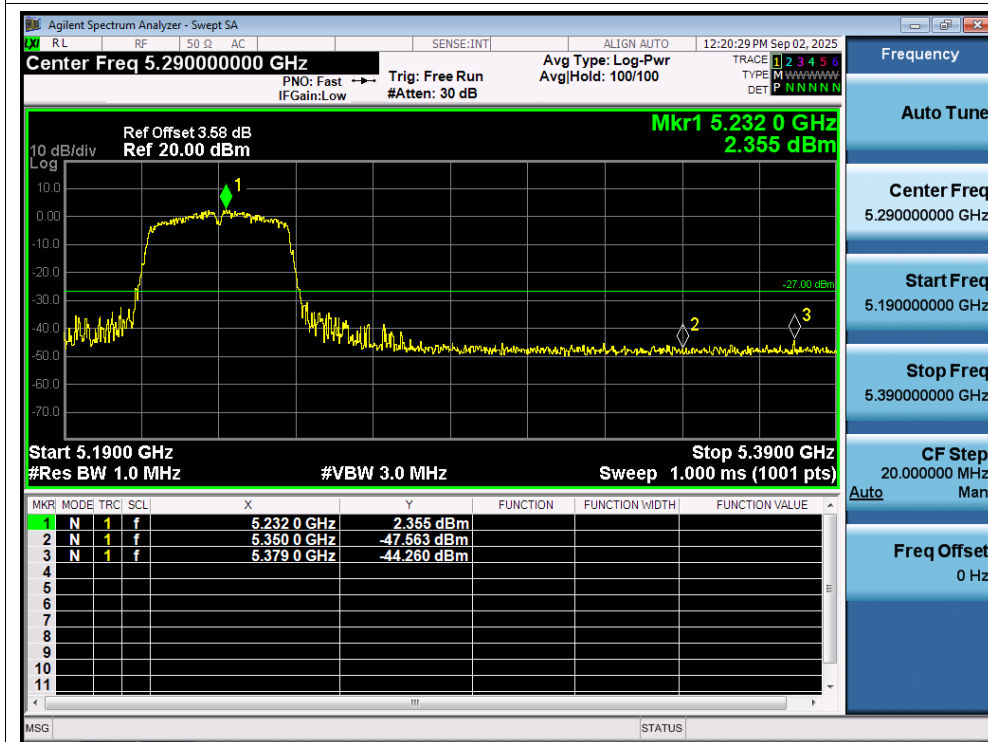




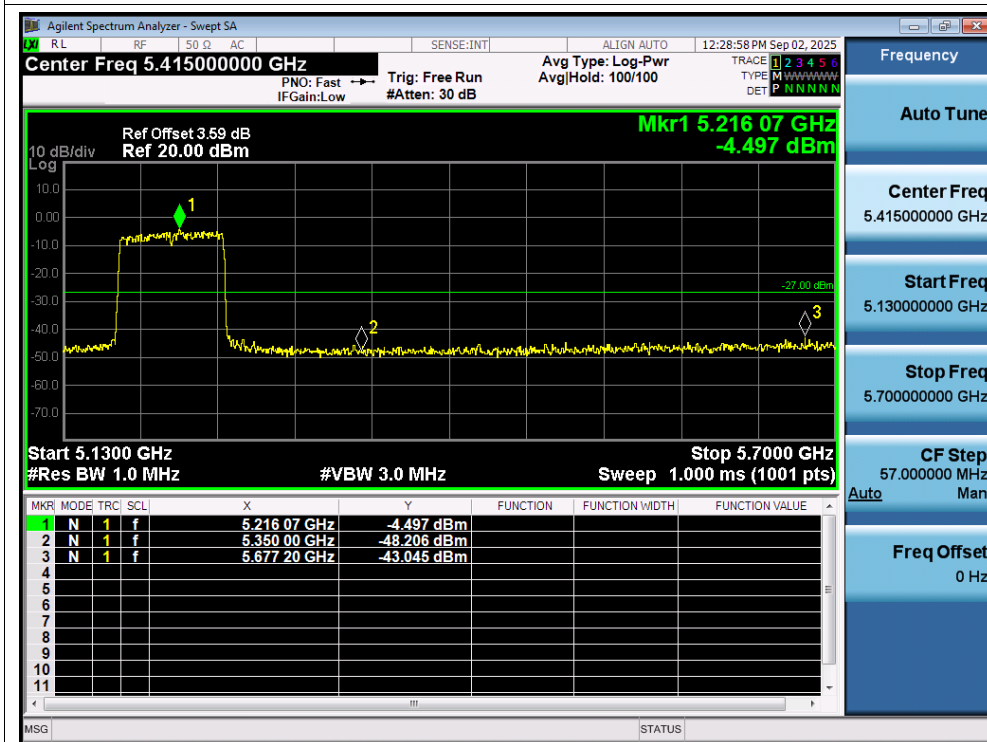
Band Edge NVNT ac40 5190MHz Low AntA



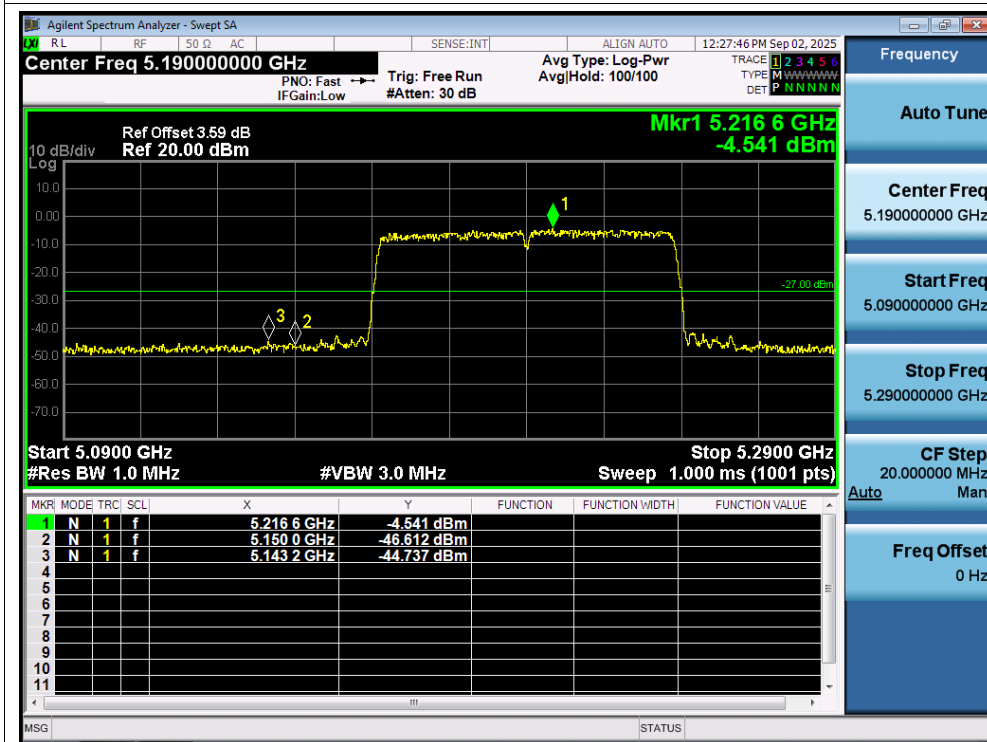
Band Edge NVNT ac40 5230MHz High AntA



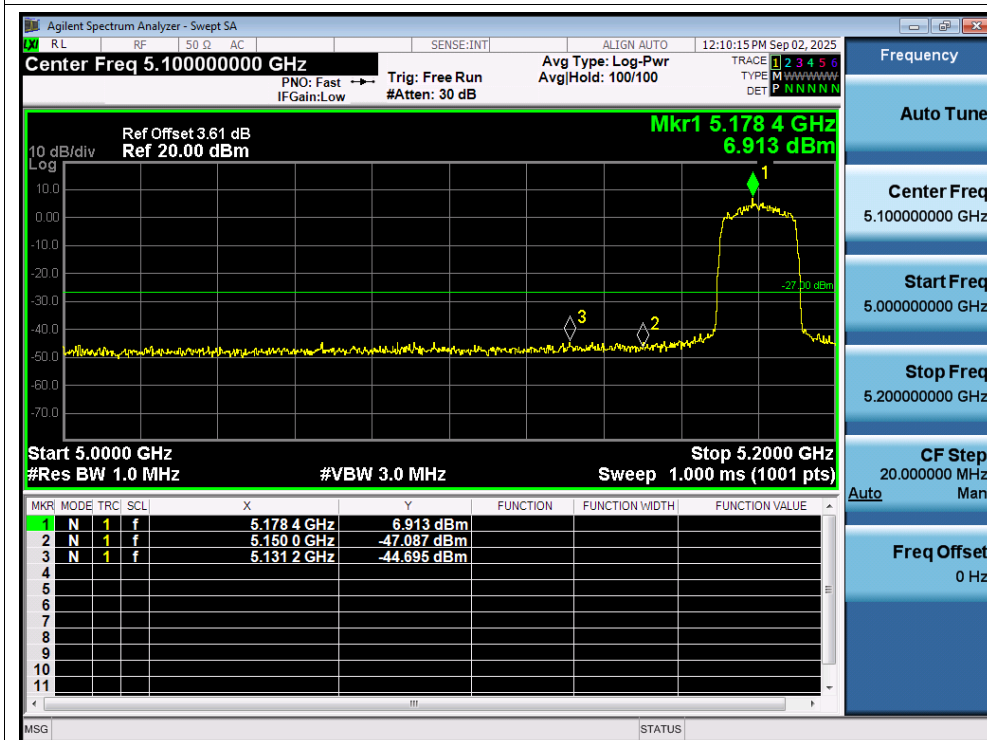
Band Edge NVNT ac80 5210MHz High AntA



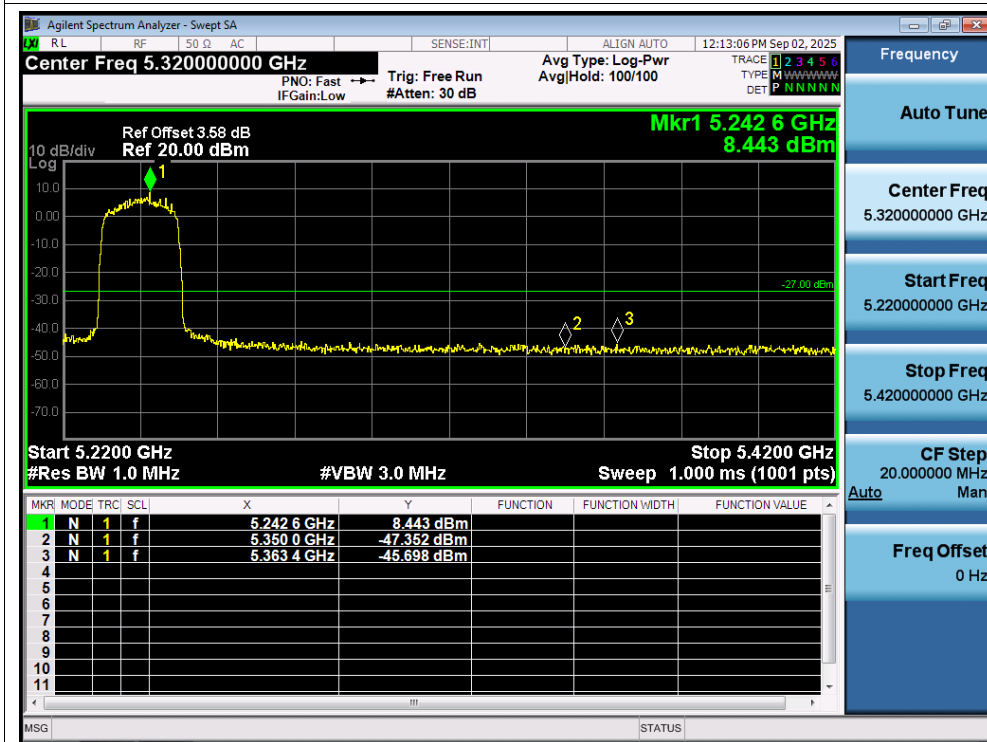
Band Edge NVNT ac80 5210MHz Low AntA



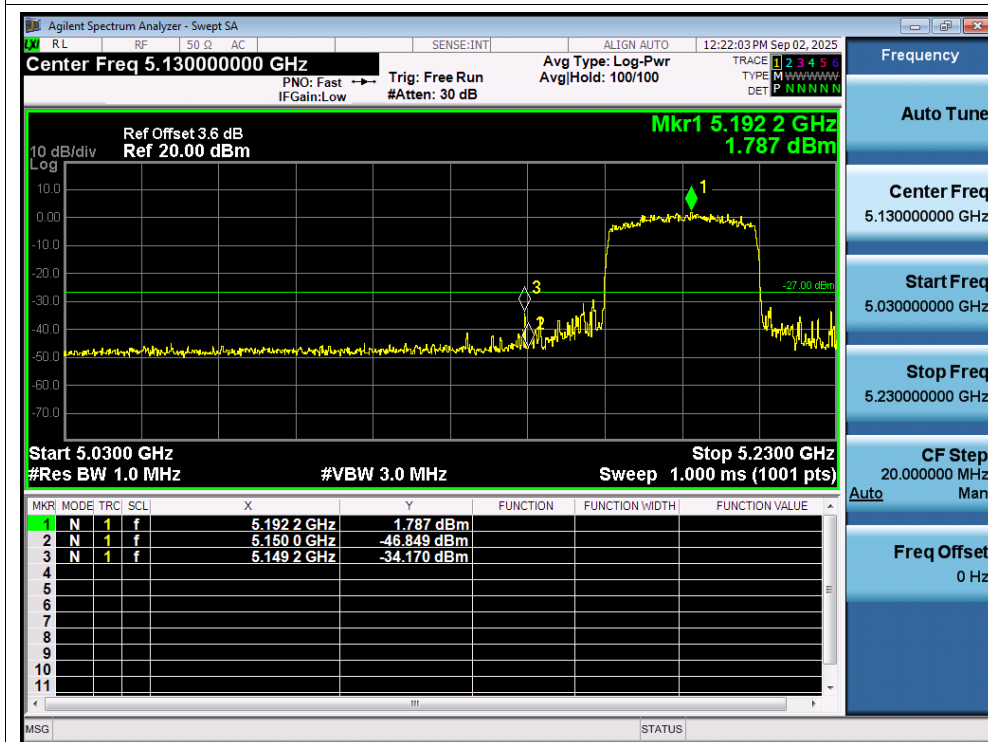
Band Edge NVNT ax20 5180MHz Low AntA



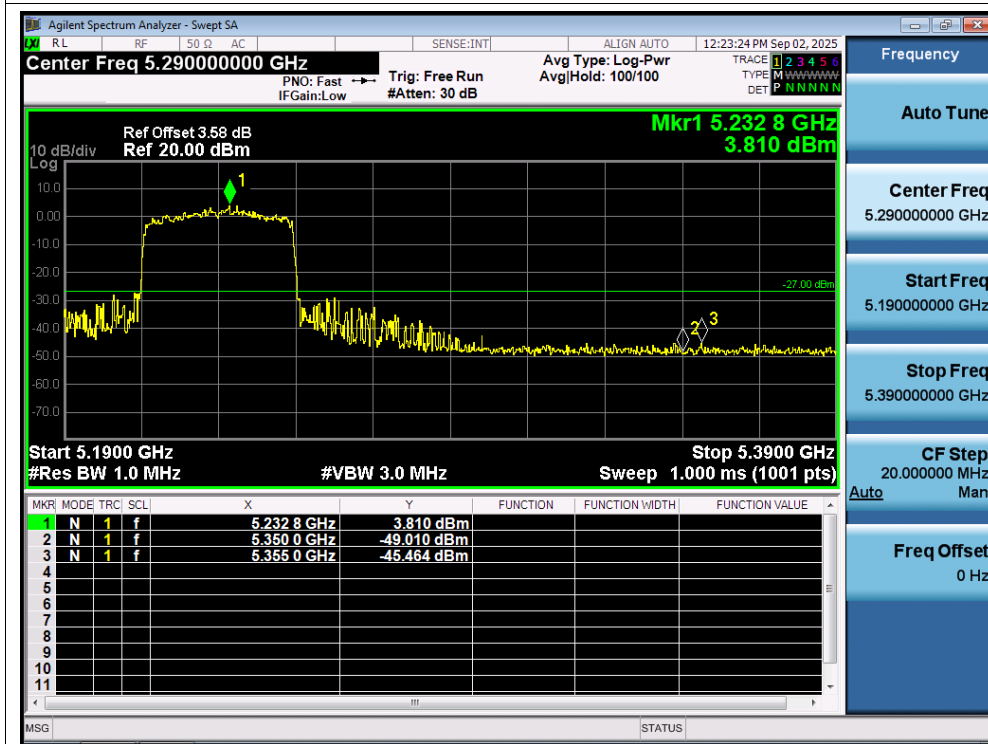
Band Edge NVNT ax20 5240MHz High AntA



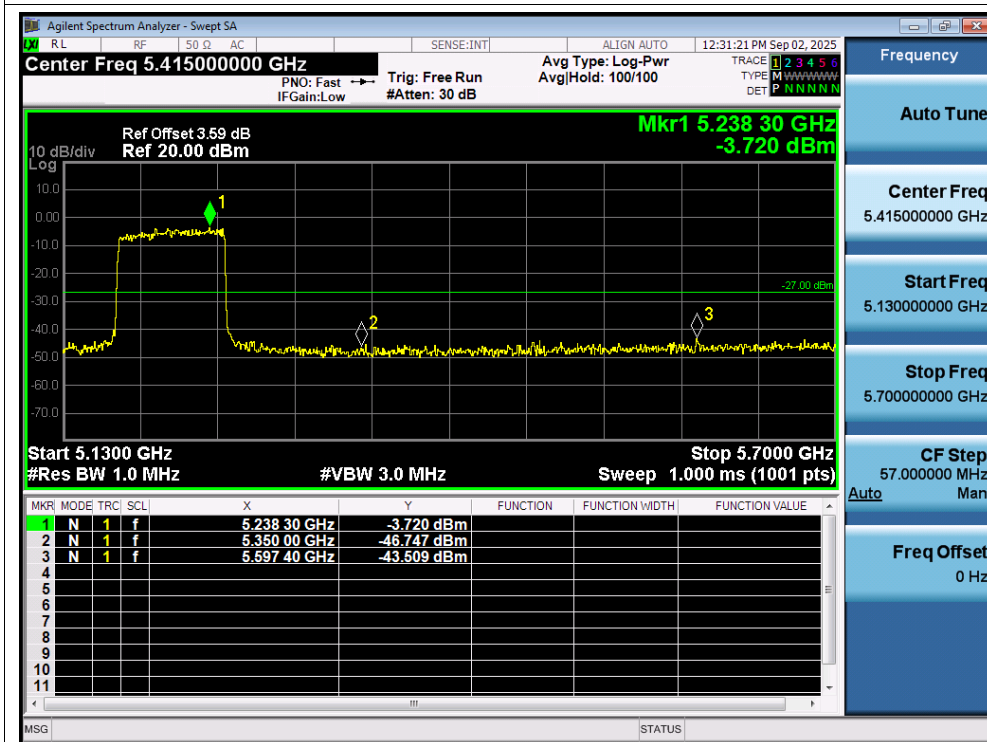
Band Edge NVNT ax40 5190MHz Low AntA



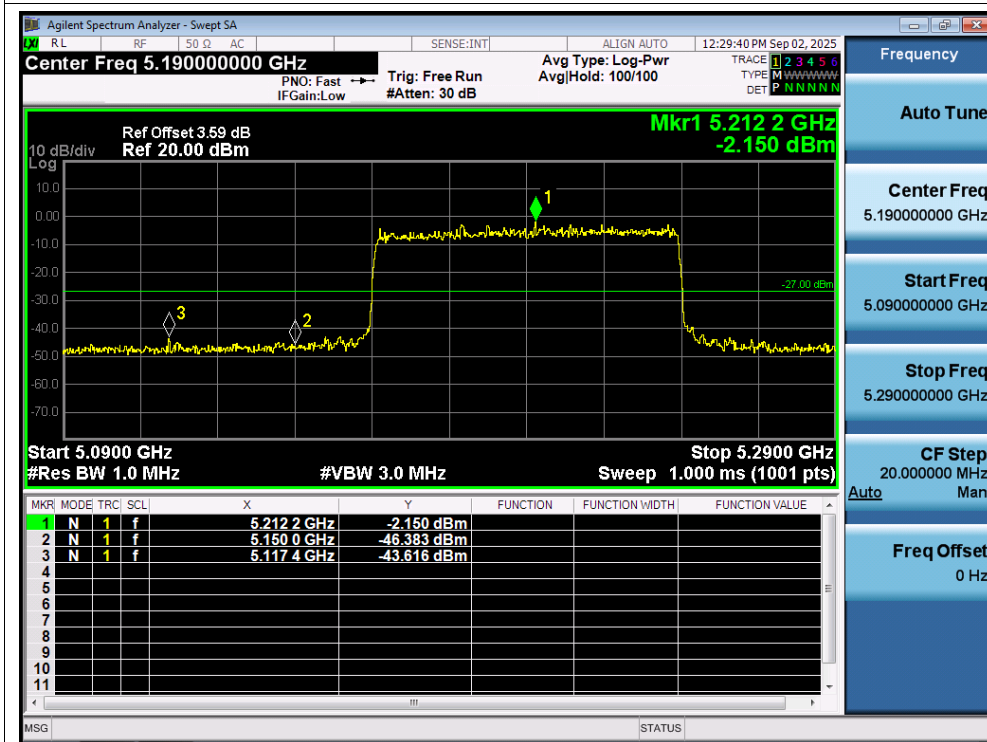
Band Edge NVNT ax40 5230MHz High AntA



Band Edge NVNT ax80 5210MHz High AntA



Band Edge NVNT ax80 5210MHz Low AntA

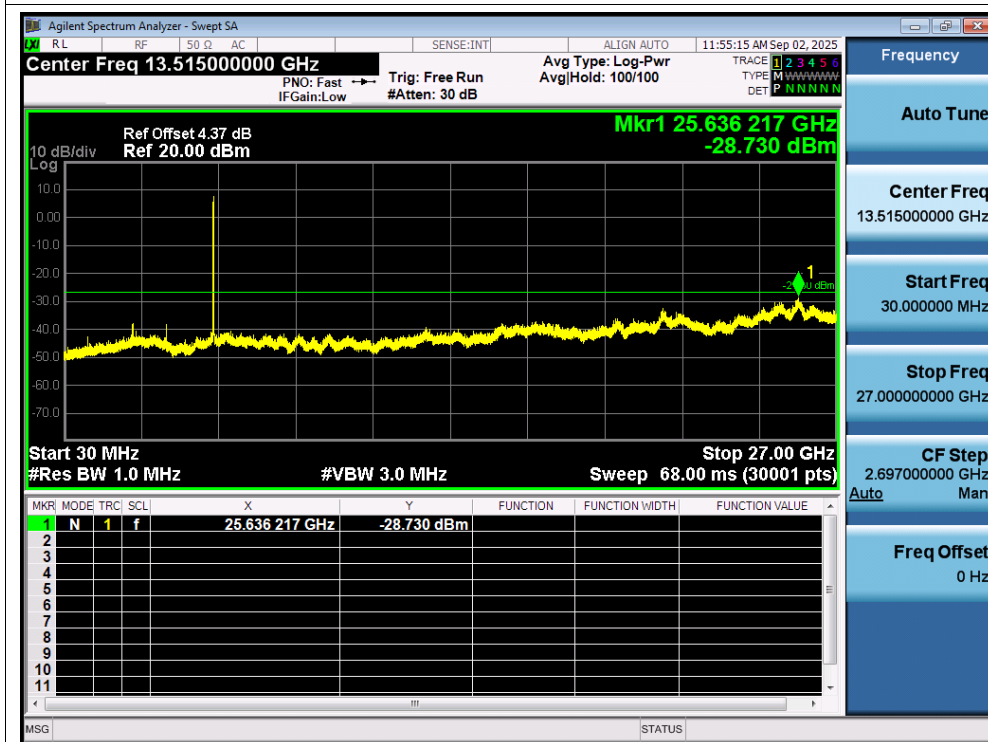


Conducted RF Spurious Emission

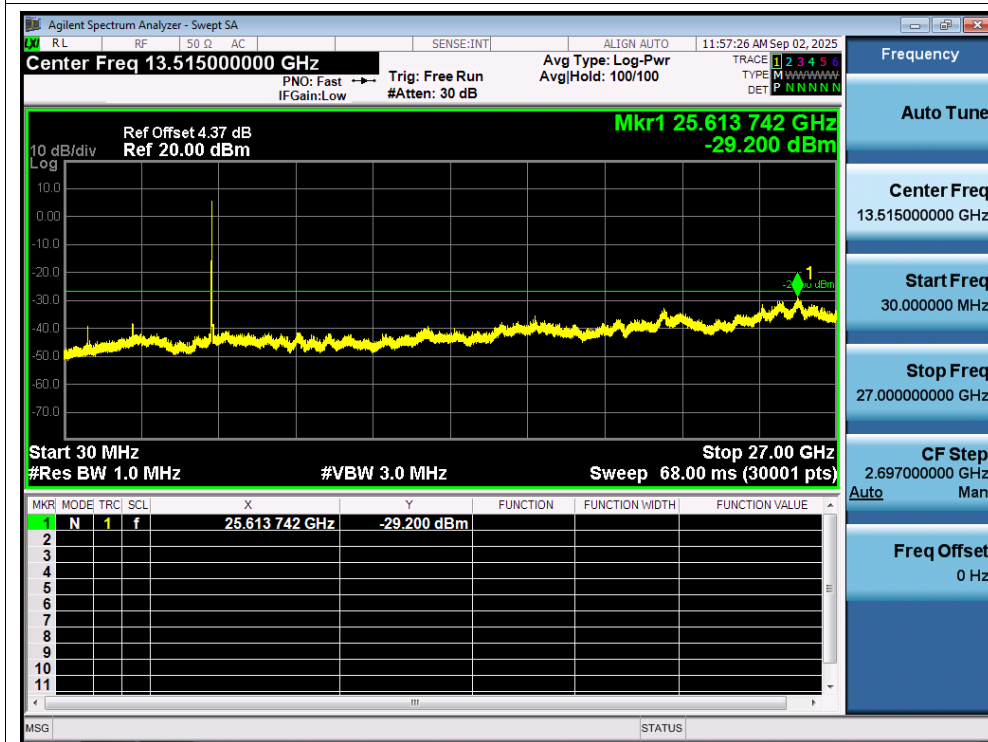
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Antenna gain(dBi)	Max eirp Value (dBm)	eirp Limit (dBm)	Verdict
NVNT	a	5180	AntA	-29.26	1.1	-28.16	-27	Pass
NVNT	a	5200	AntA	-28.33	1.1	-27.23	-27	Pass
NVNT	a	5240	AntA	-28.73	1.1	-27.63	-27	Pass
NVNT	n20	5180	AntA	-29.2	1.1	-28.1	-27	Pass
NVNT	n20	5200	AntA	-28.22	1.1	-27.12	-27	Pass
NVNT	n20	5240	AntA	-29.62	1.1	-28.52	-27	Pass
NVNT	n40	5190	AntA	-27.82	1.1	-26.72	-27	Pass
NVNT	n40	5230	AntA	-28.42	1.1	-27.32	-27	Pass
NVNT	ac20	5180	AntA	-29.21	1.1	-28.11	-27	Pass
NVNT	ac20	5200	AntA	-29.29	1.1	-28.19	-27	Pass
NVNT	ac20	5240	AntA	-28.77	1.1	-27.67	-27	Pass
NVNT	ac40	5190	AntA	-28.39	1.1	-27.29	-27	Pass
NVNT	ac40	5230	AntA	-29.32	1.1	-28.22	-27	Pass
NVNT	ac80	5210	AntA	-29.49	1.1	-28.39	-27	Pass
NVNT	ax20	5180	AntA	-28.99	1.1	-27.89	-27	Pass
NVNT	ax20	5200	AntA	-29.49	1.1	-28.39	-27	Pass
NVNT	ax20	5240	AntA	-29.03	1.1	-27.93	-27	Pass
NVNT	ax40	5190	AntA	-29.01	1.1	-27.91	-27	Pass
NVNT	ax40	5230	AntA	-29.12	1.1	-28.02	-27	Pass
NVNT	ax80	5210	AntA	-29.2	1.1	-28.1	-27	Pass

Note: Max eirp Value (dBm)= Max Value (dBm)+ Antenna gain(dBi), Antenna gain(dBi)=1.1dBi

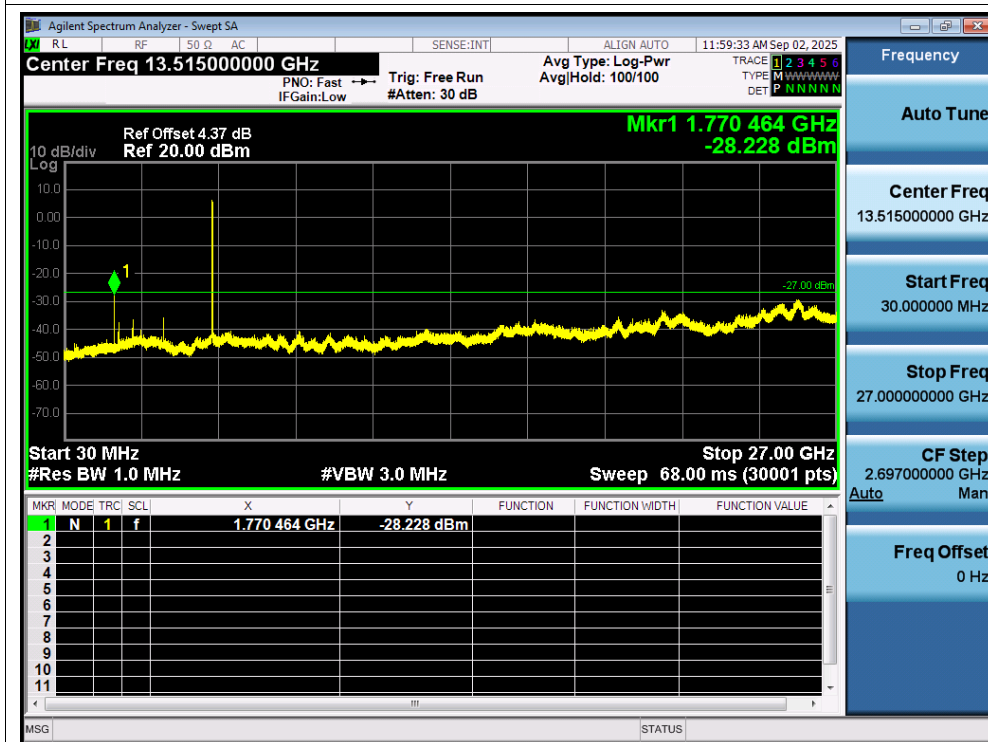
Tx. Spurious NVNT a 5240MHz AntA Emission



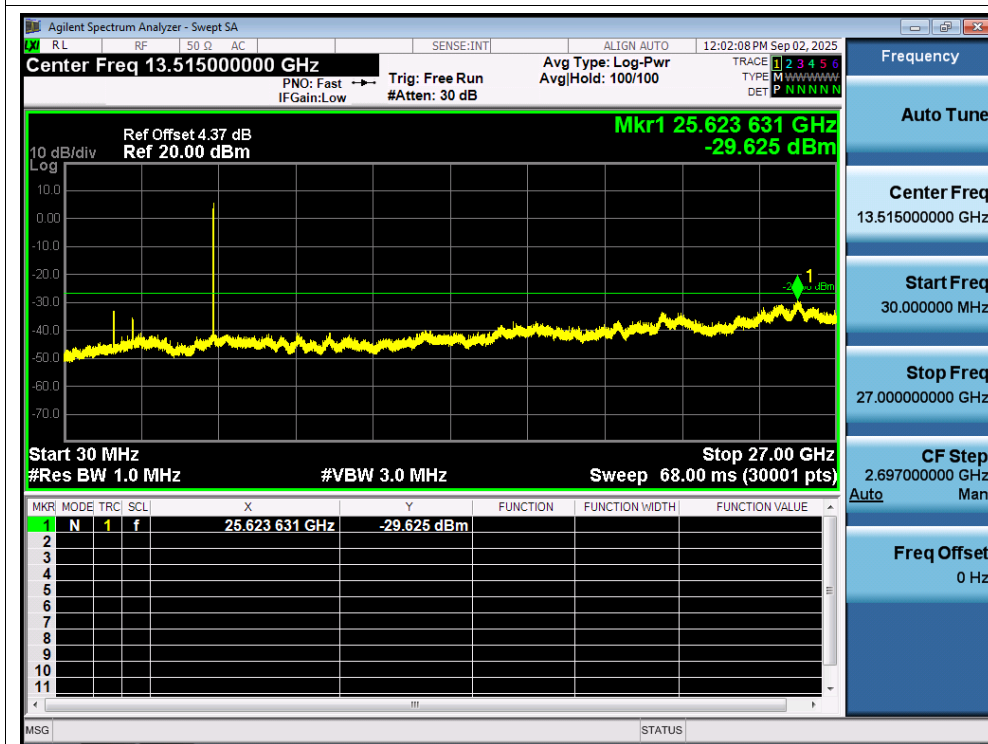
Tx. Spurious NVNT n20 5180MHz AntA Emission



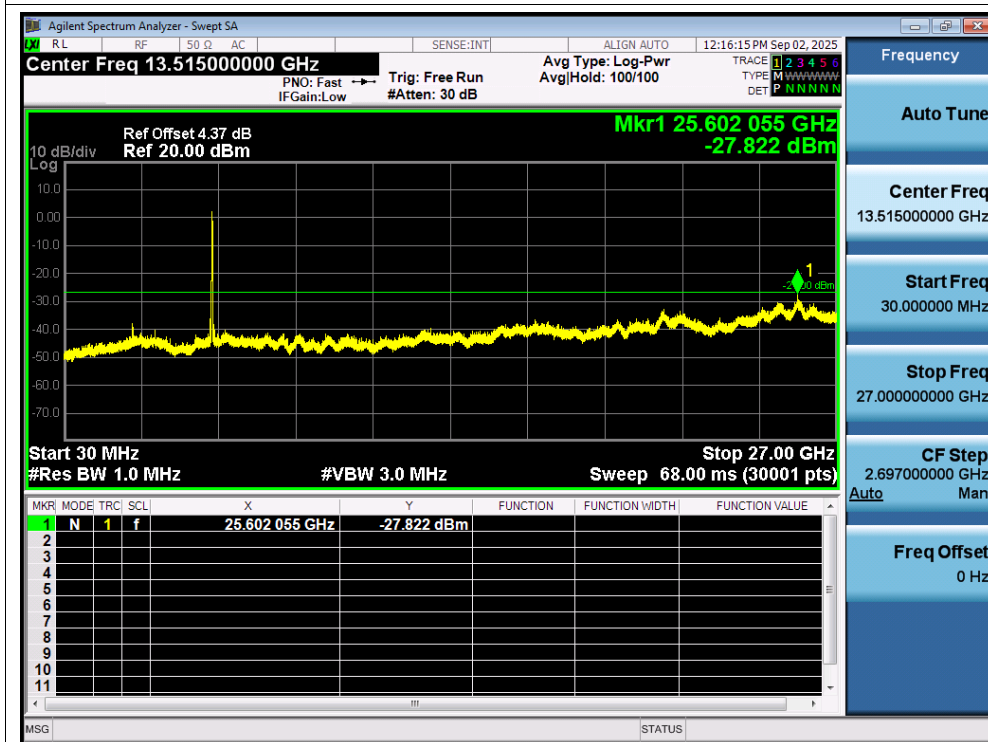
Tx. Spurious NVNT n20 5200MHz AntA Emission



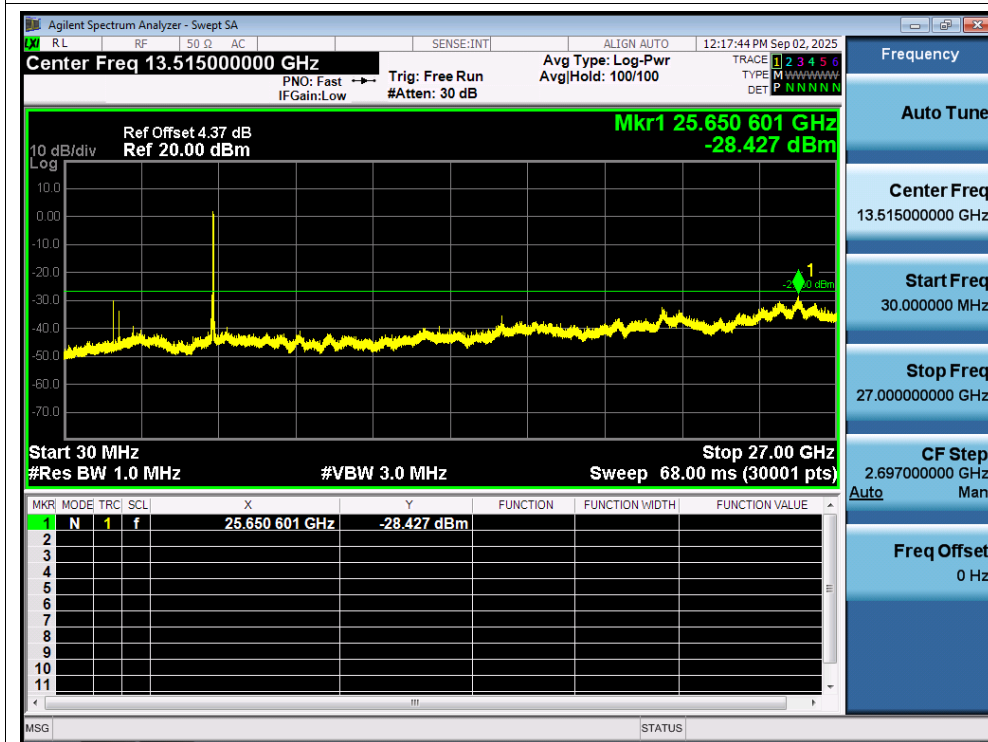
Tx. Spurious NVNT n20 5240MHz AntA Emission



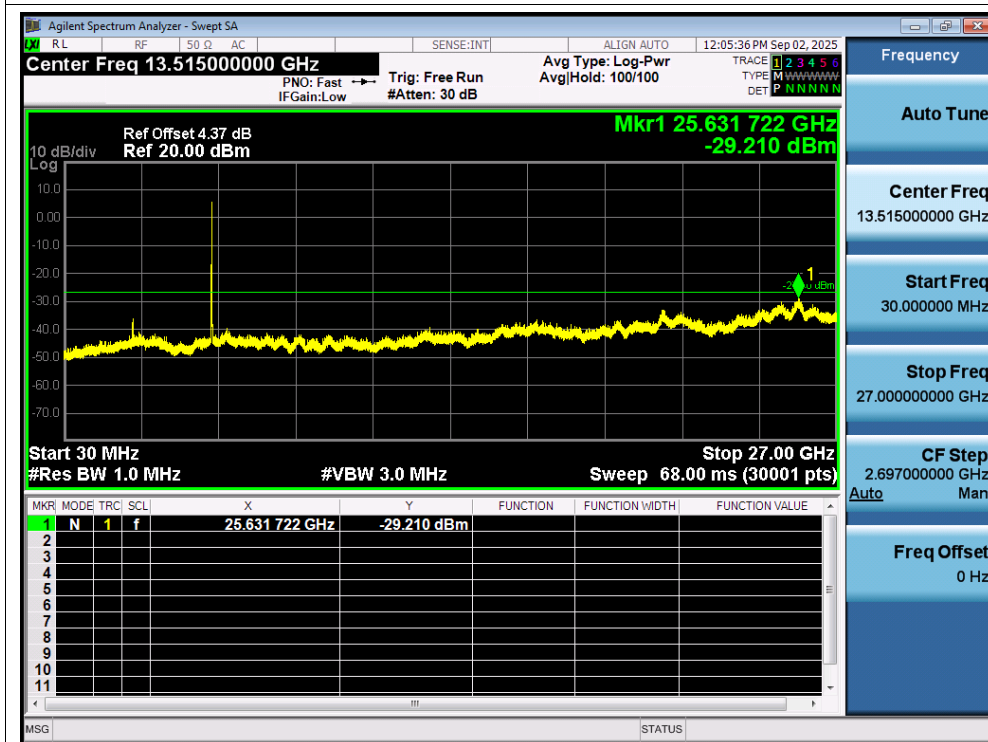
Tx. Spurious NVNT n40 5190MHz AntA Emission



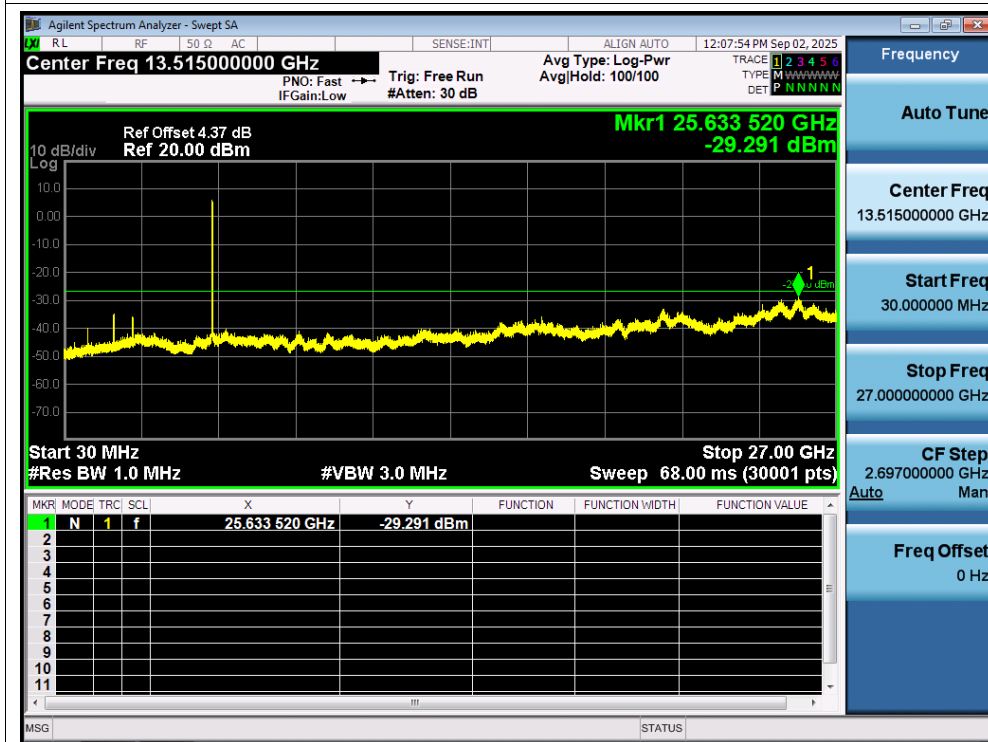
Tx. Spurious NVNT n40 5230MHz AntA Emission



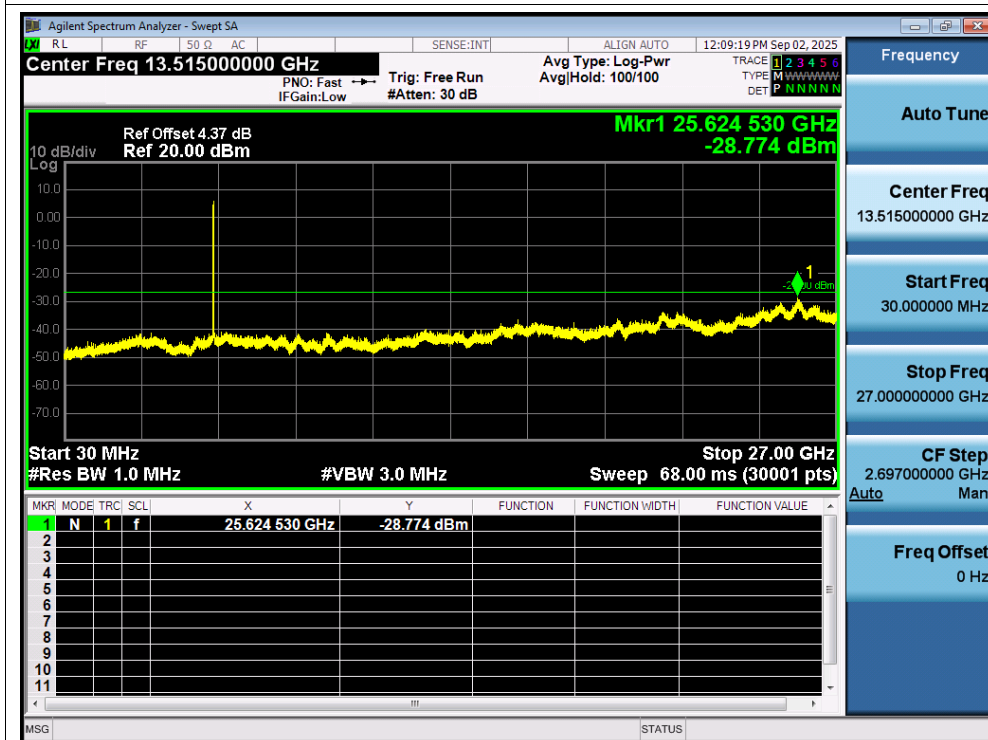
Tx. Spurious NVNT ac20 5180MHz AntA Emission



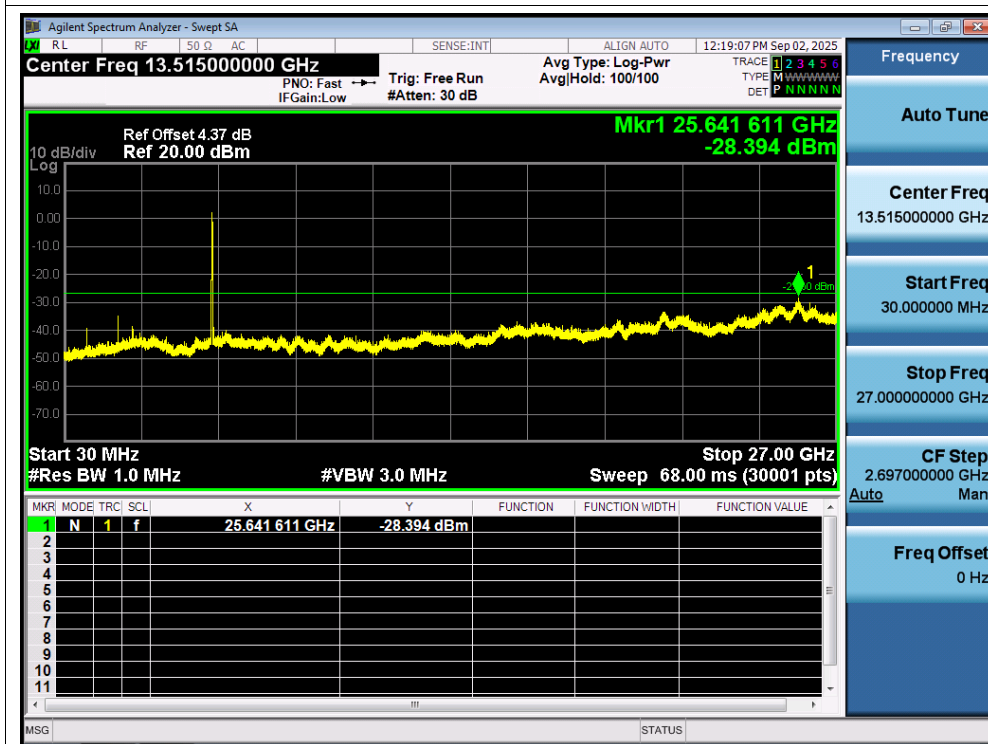
Tx. Spurious NVNT ac20 5200MHz AntA Emission



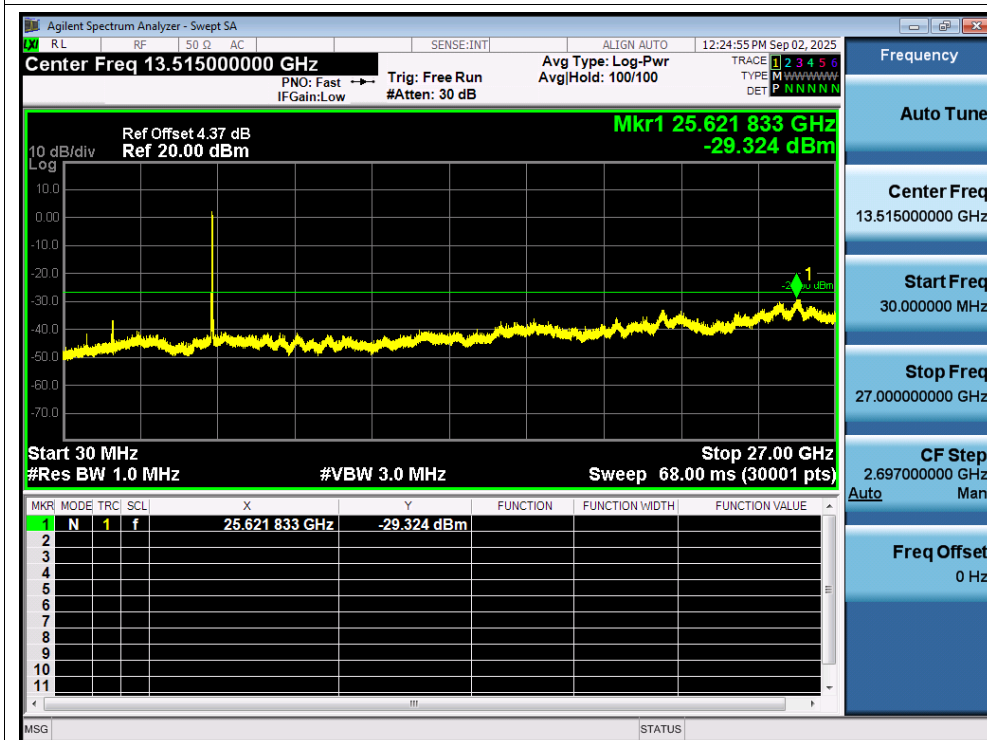
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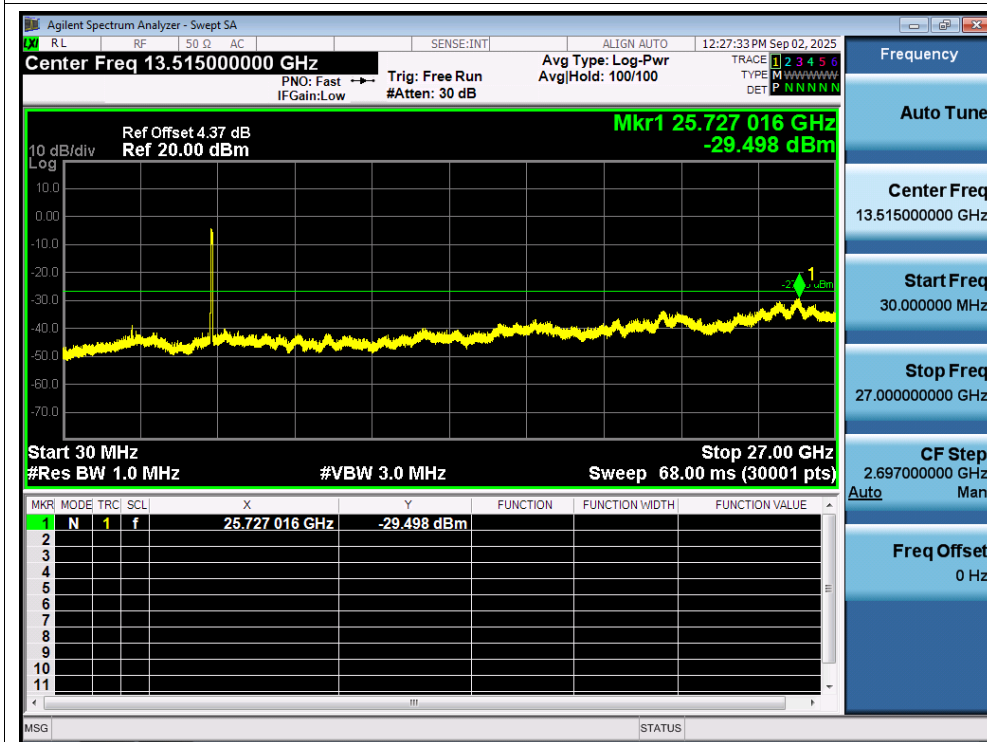
Tx. Spurious NVNT ac40 5190MHz AntA Emission



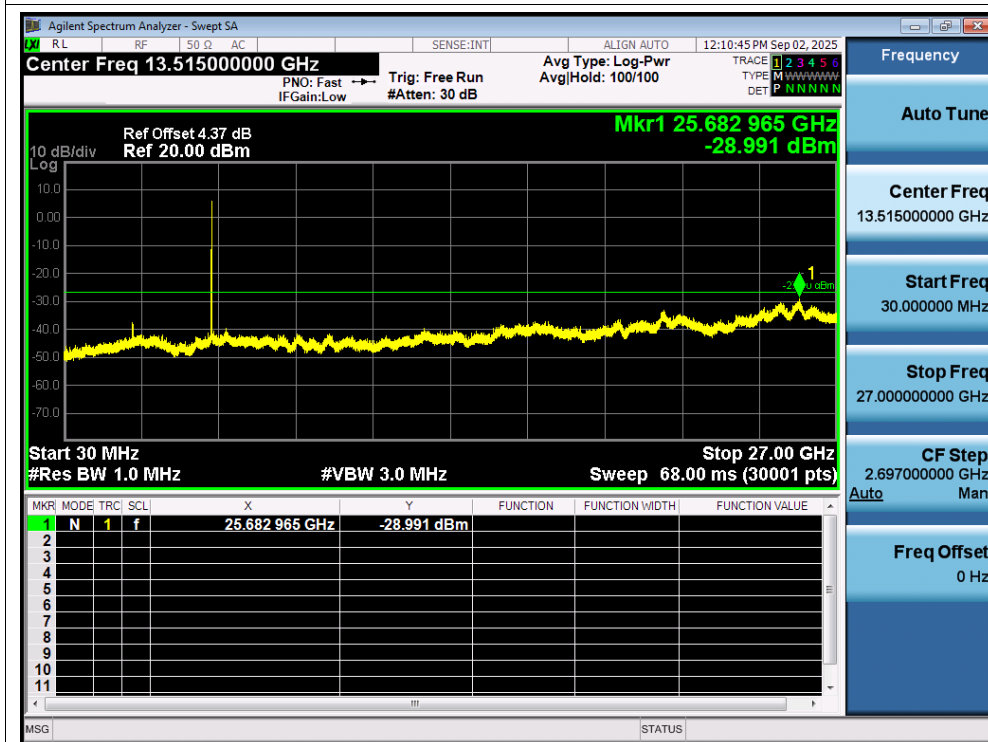
Tx. Spurious NVNT ac40 5230MHz AntA Emission



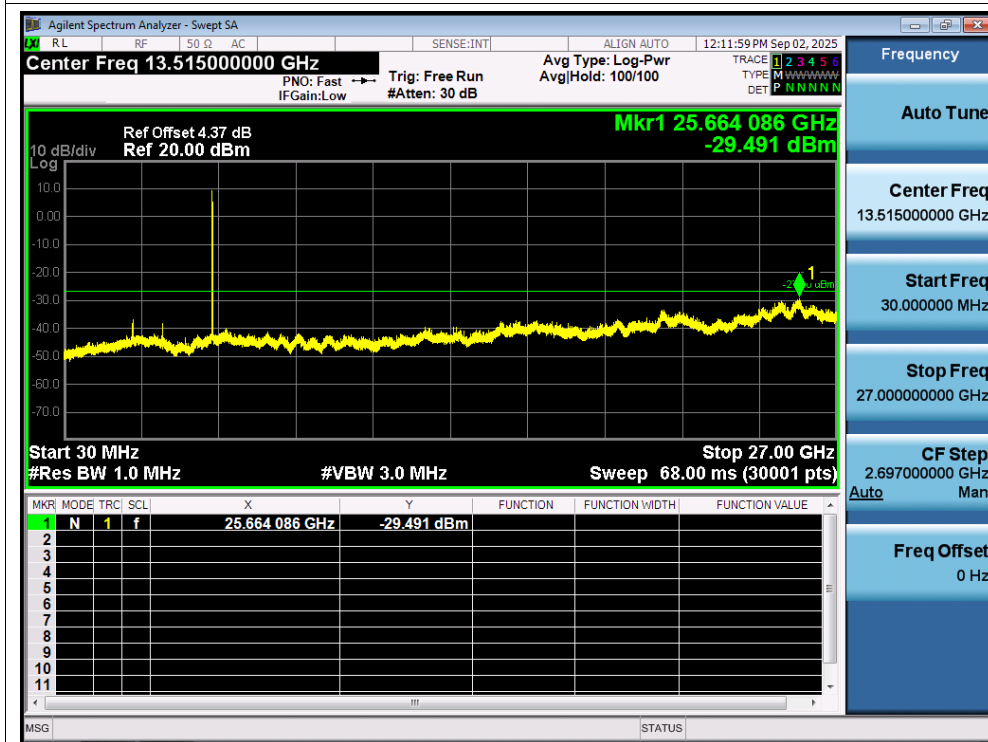
Tx. Spurious NVNT ac80 5210MHz AntA Emission



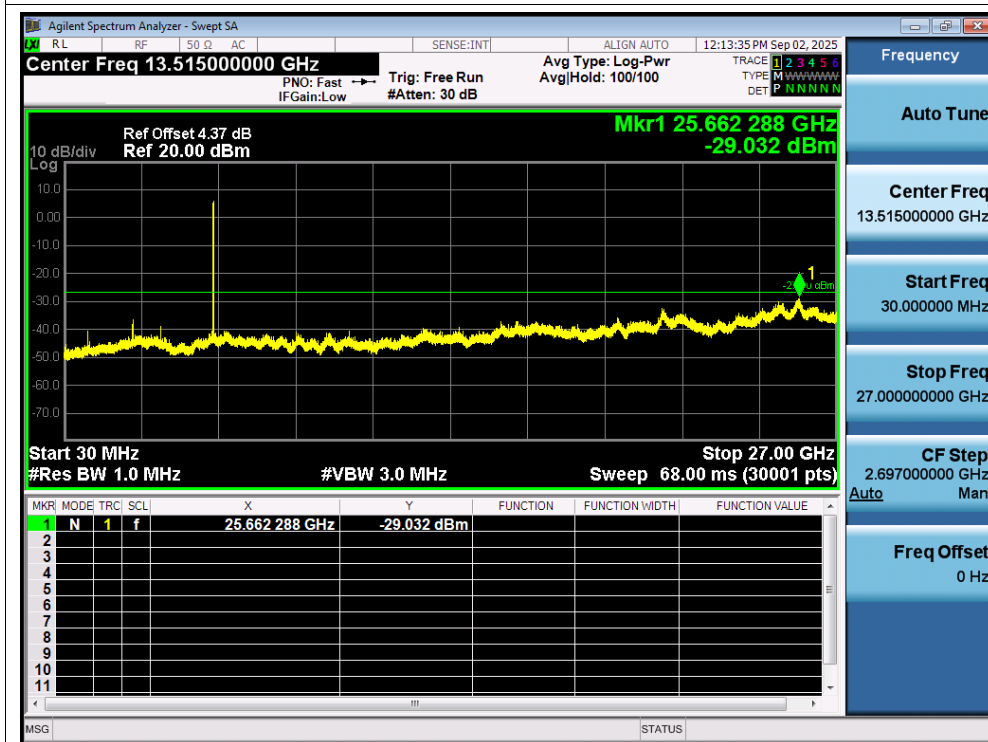
Tx. Spurious NVNT ax20 5180MHz AntA Emission



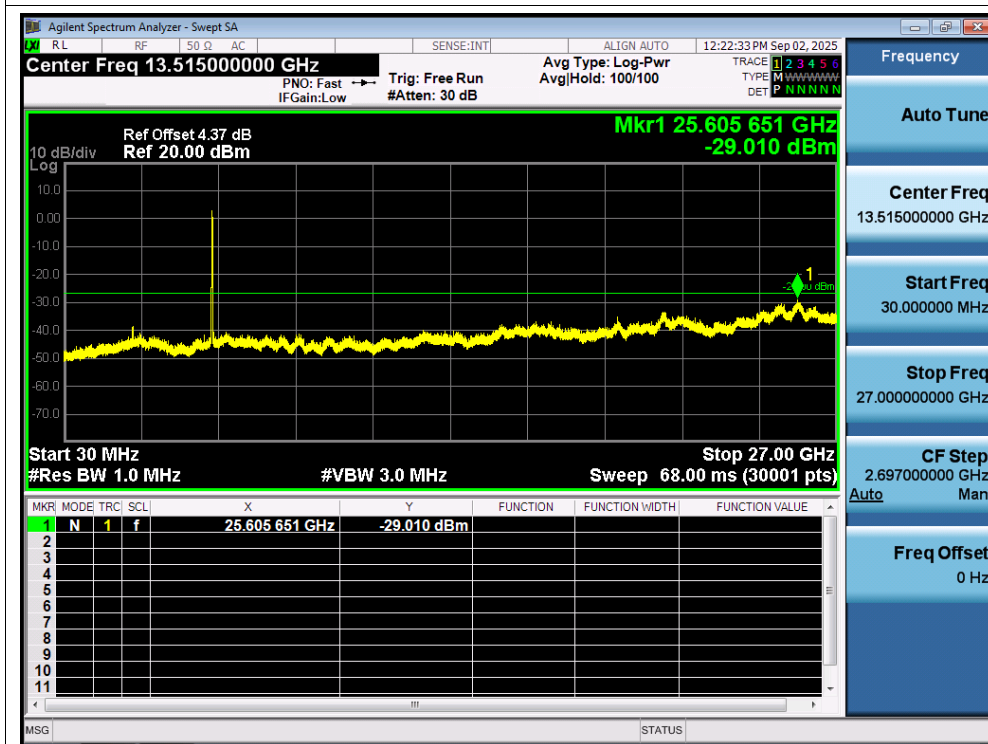
Tx. Spurious NVNT ax20 5200MHz AntA Emission



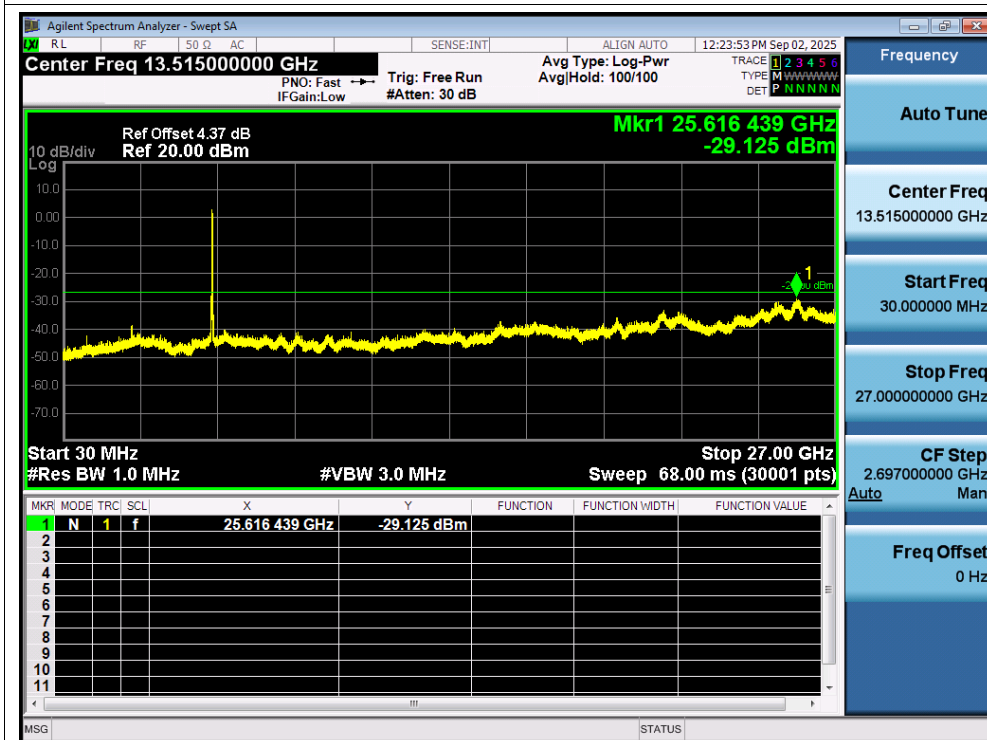
Tx. Spurious NVNT ax20 5240MHz AntA Emission



Tx. Spurious NVNT ax40 5190MHz AntA Emission



Tx. Spurious NVNT ax40 5230MHz AntA Emission



Tx. Spurious NVNT ax80 5210MHz AntA Emission

