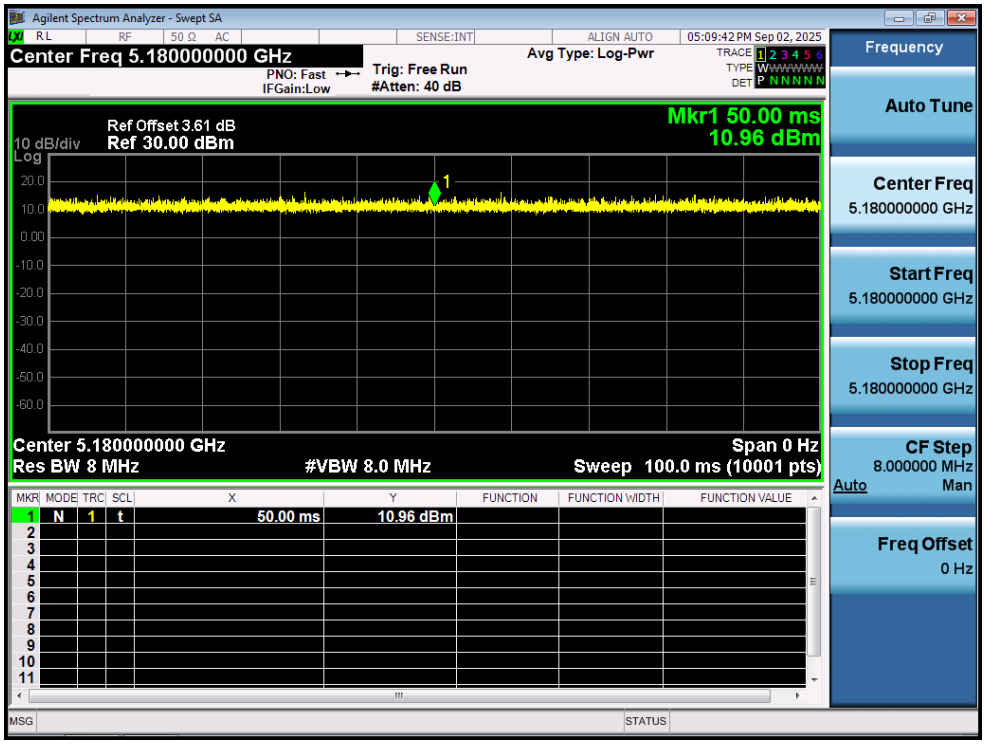
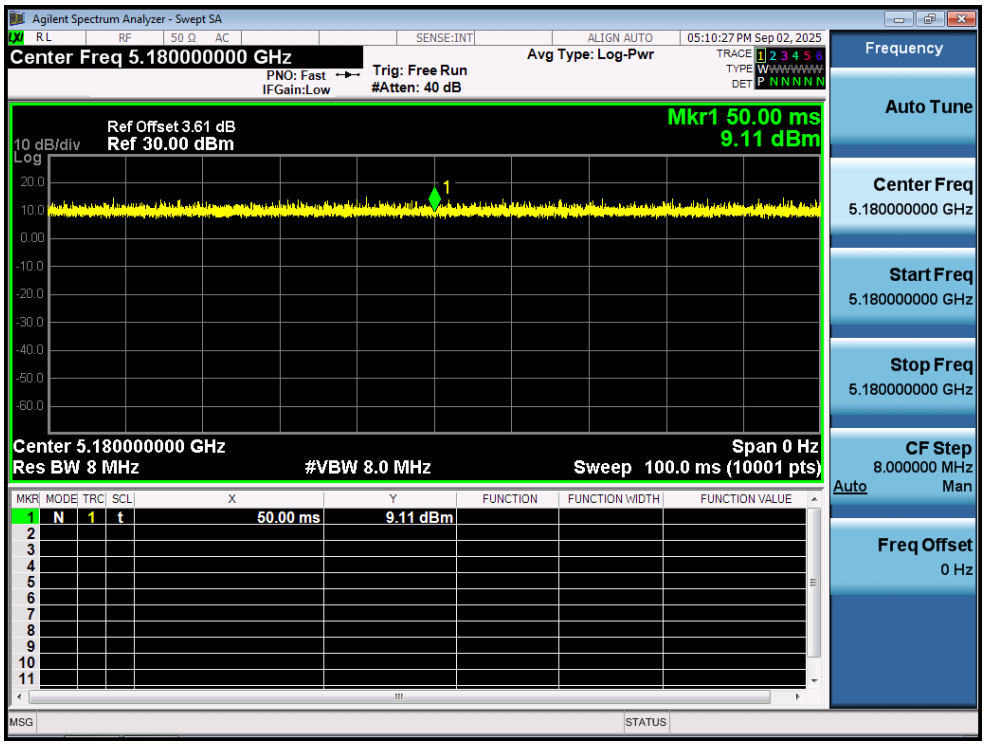
Duty Cycle

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

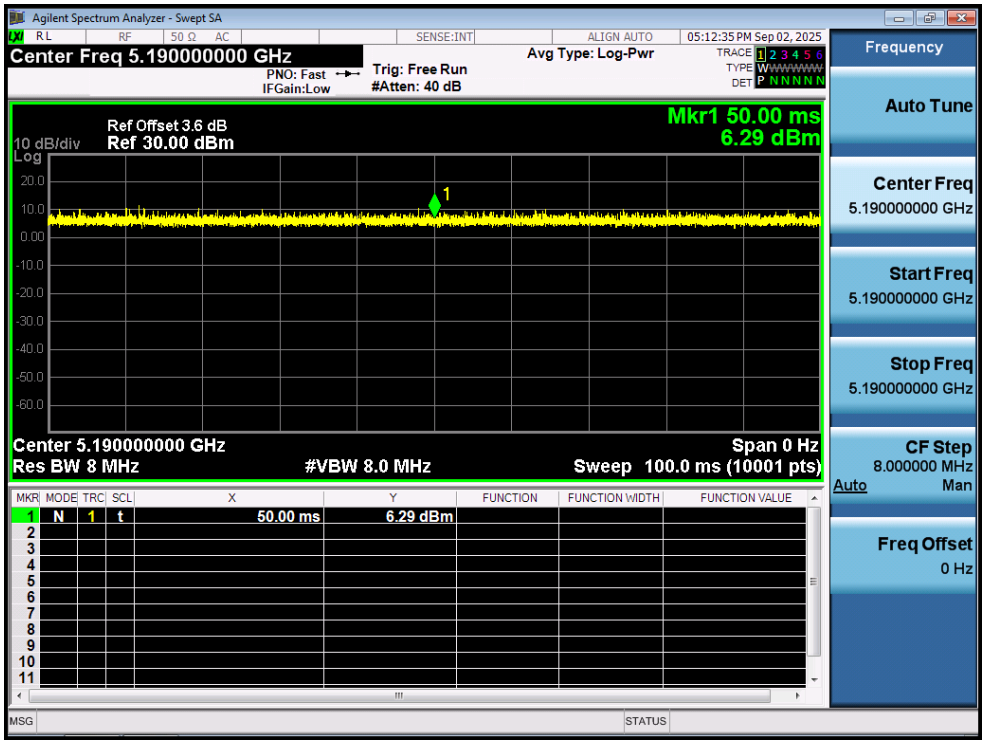
Test Graphs
Duty Cycle NVNT a 5180MHz AntB



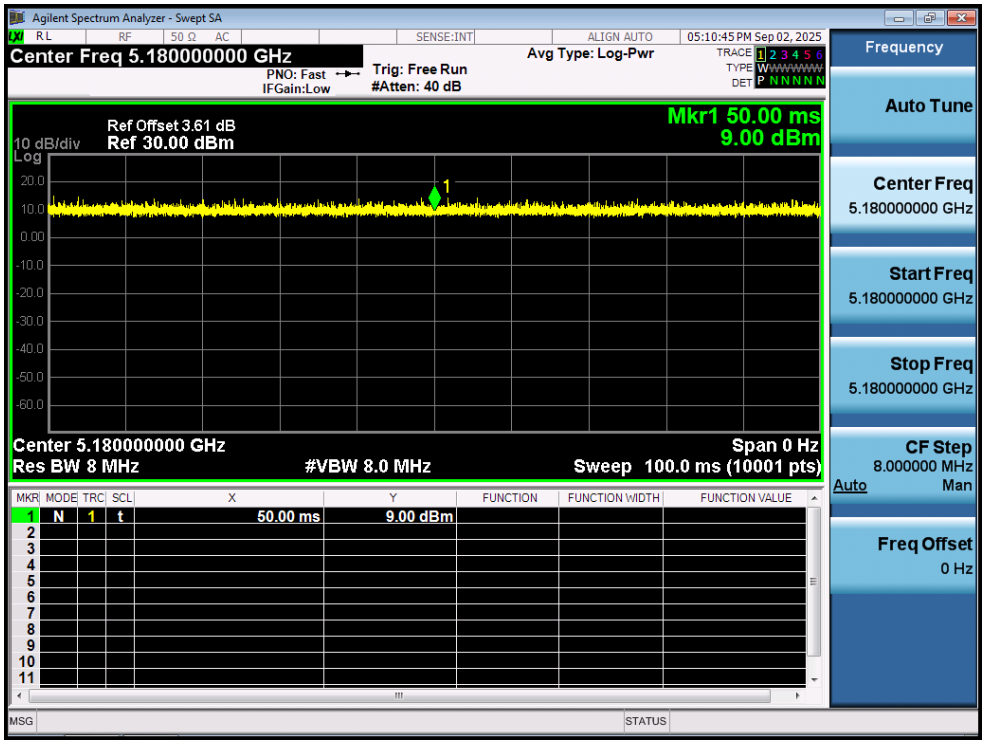
Duty Cycle NVNT n20 5180MHz AntB



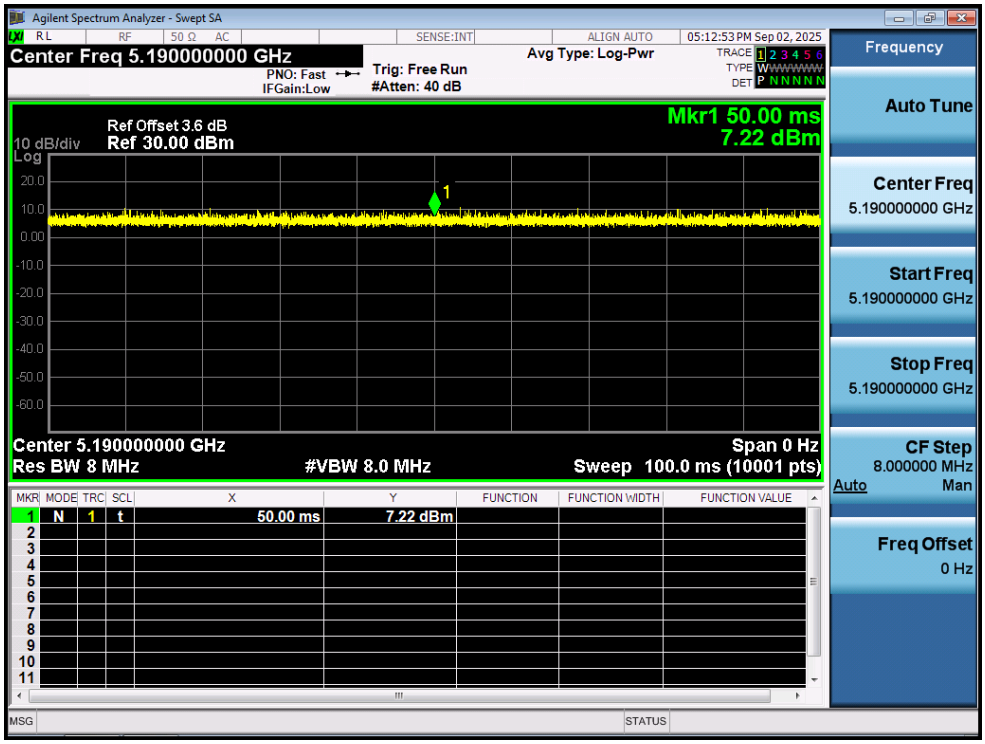
Duty Cycle NVNT n40 5190MHz AntB



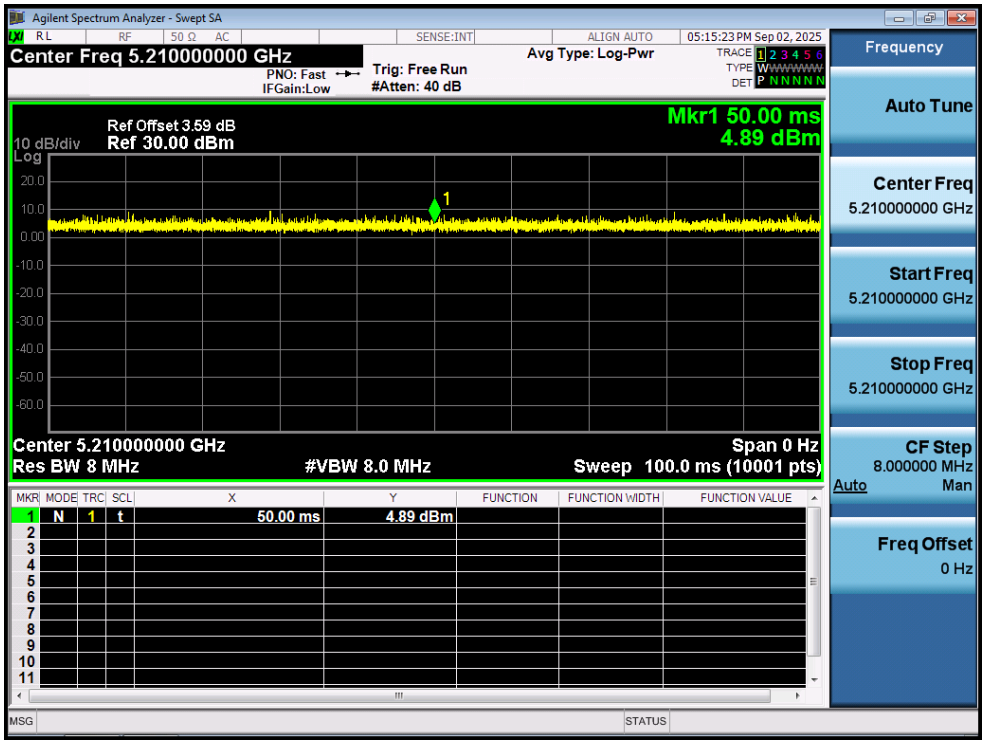
Duty Cycle NVNT ac20 5180MHz AntB



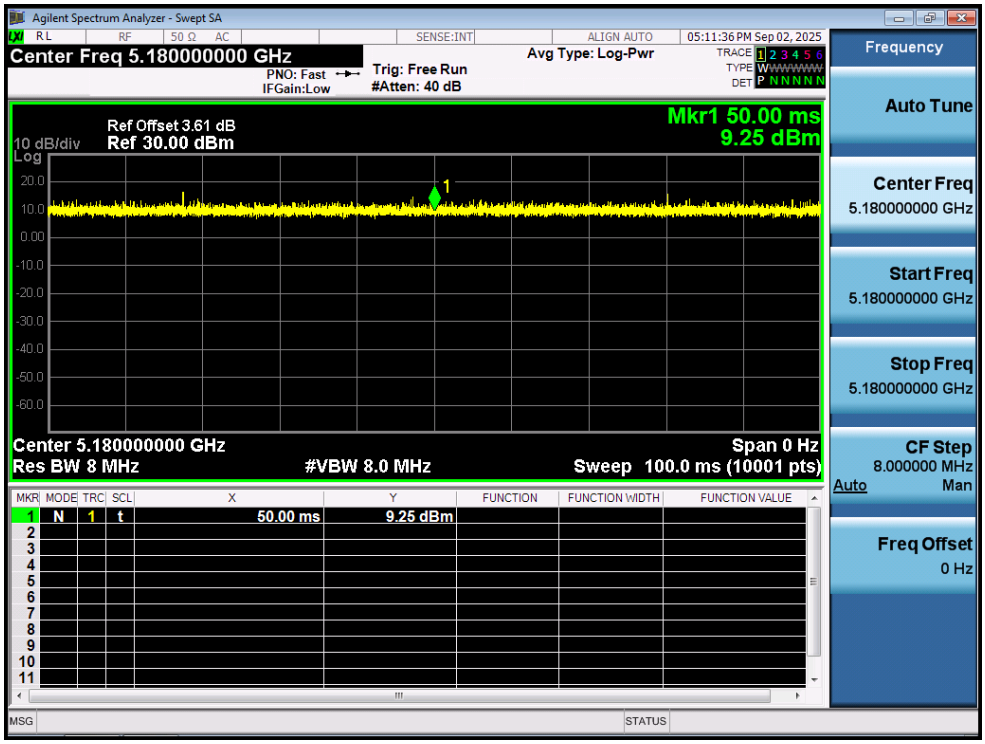
Duty Cycle NVNT ac40 5190MHz AntB



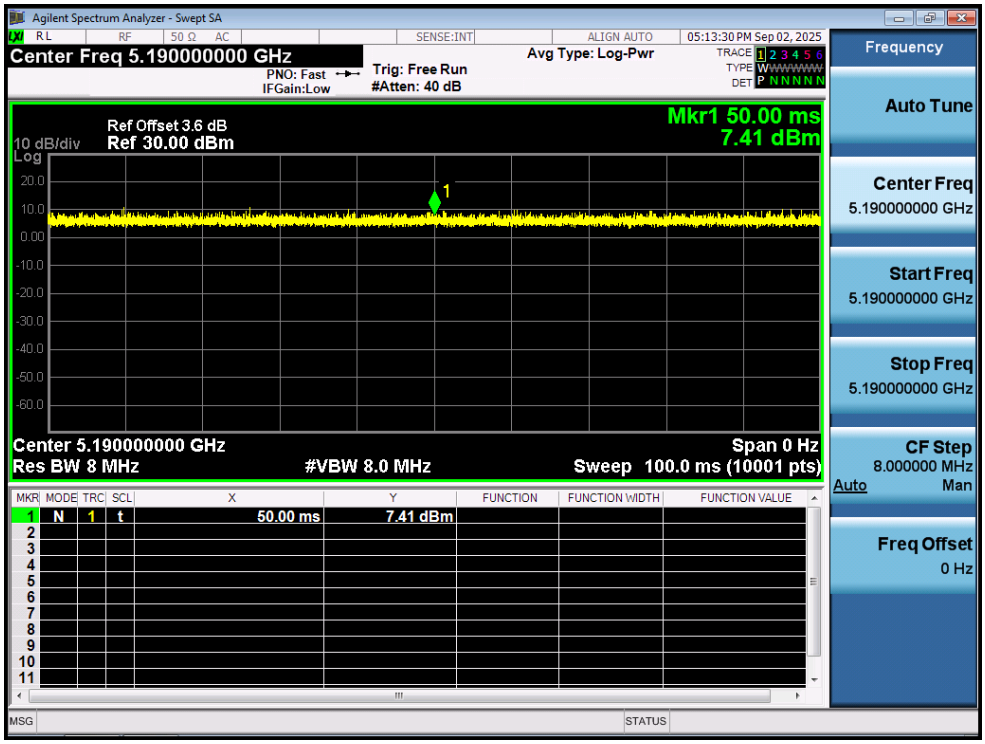
Duty Cycle NVNT ac80 5210MHz AntB



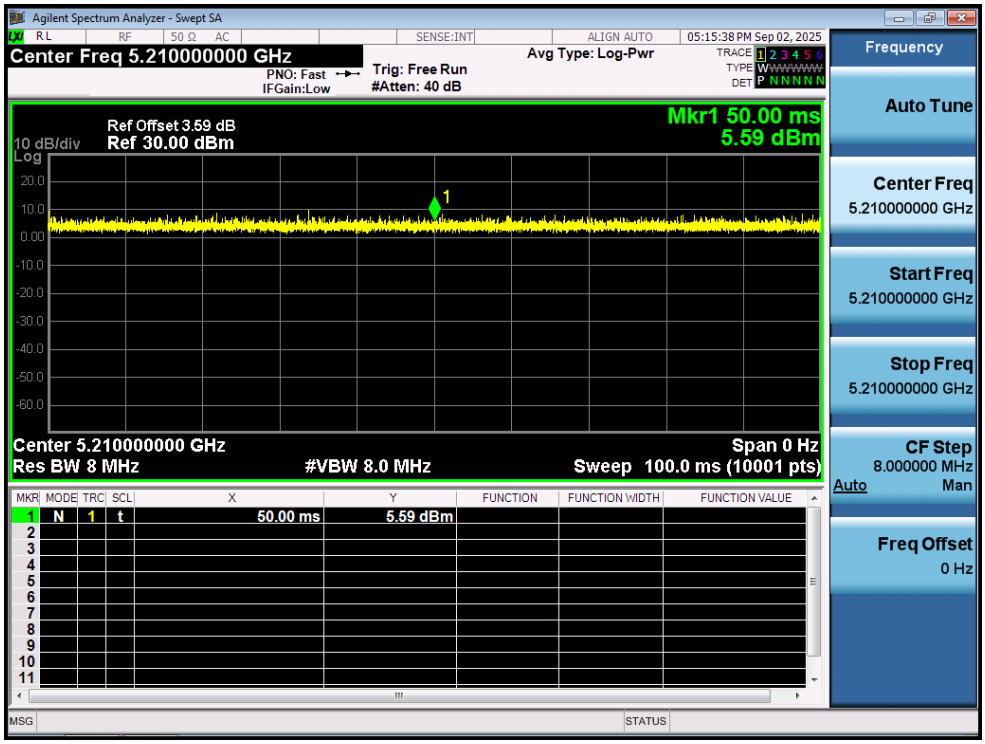
Duty Cycle NVNT ax20 5180MHz AntB



Duty Cycle NVNT ax40 5190MHz AntB



Duty Cycle NVNT ax80 5210MHz AntB



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	AntB	11.48	24	Pass
NVNT	a	5200	AntB	11.04	24	Pass
NVNT	a	5240	AntB	11.99	24	Pass
NVNT	n20	5180	AntB	9.97	24	Pass
NVNT	n20	5200	AntB	9.38	24	Pass
NVNT	n20	5240	AntB	10.06	24	Pass
NVNT	n40	5190	AntB	7.84	24	Pass
NVNT	n40	5230	AntB	9.33	24	Pass
NVNT	ac20	5180	AntB	9.63	24	Pass
NVNT	ac20	5200	AntB	9.42	24	Pass
NVNT	ac20	5240	AntB	10.27	24	Pass
NVNT	ac40	5190	AntB	7.73	24	Pass
NVNT	ac40	5230	AntB	9.13	24	Pass
NVNT	ac80	5210	AntB	5.94	24	Pass
NVNT	ax20	5180	AntB	9.6	24	Pass
NVNT	ax20	5200	AntB	9.59	24	Pass
NVNT	ax20	5240	AntB	10.32	24	Pass
NVNT	ax40	5190	AntB	7.49	24	Pass
NVNT	ax40	5230	AntB	9.11	24	Pass
NVNT	ax80	5210	AntB	6.1	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

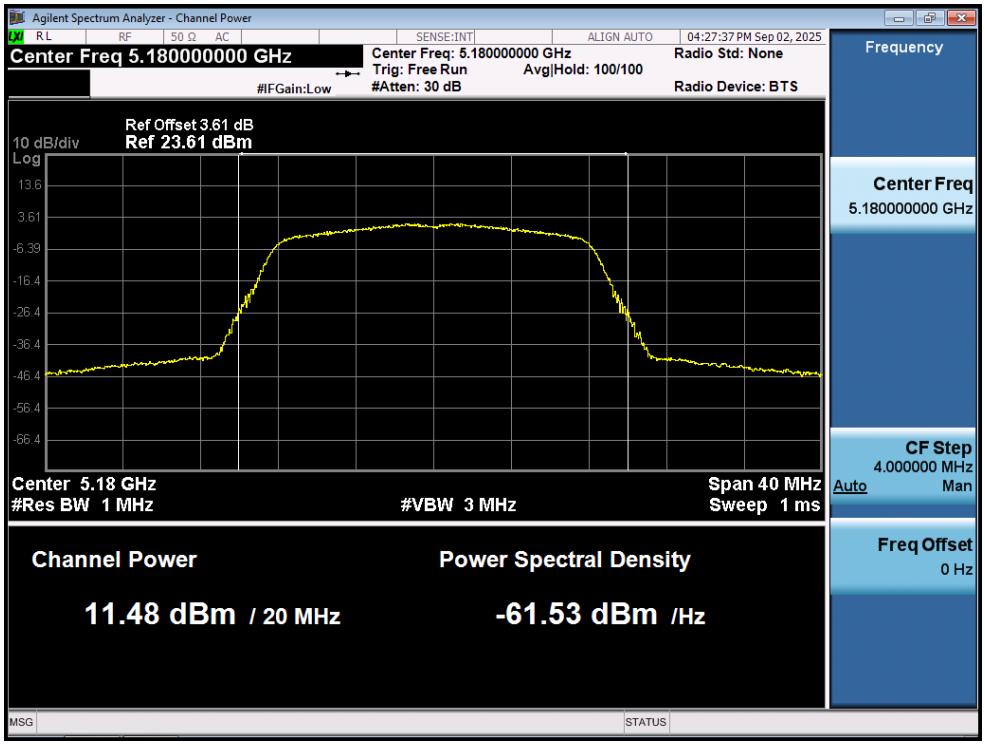
Note:

For power measurements.

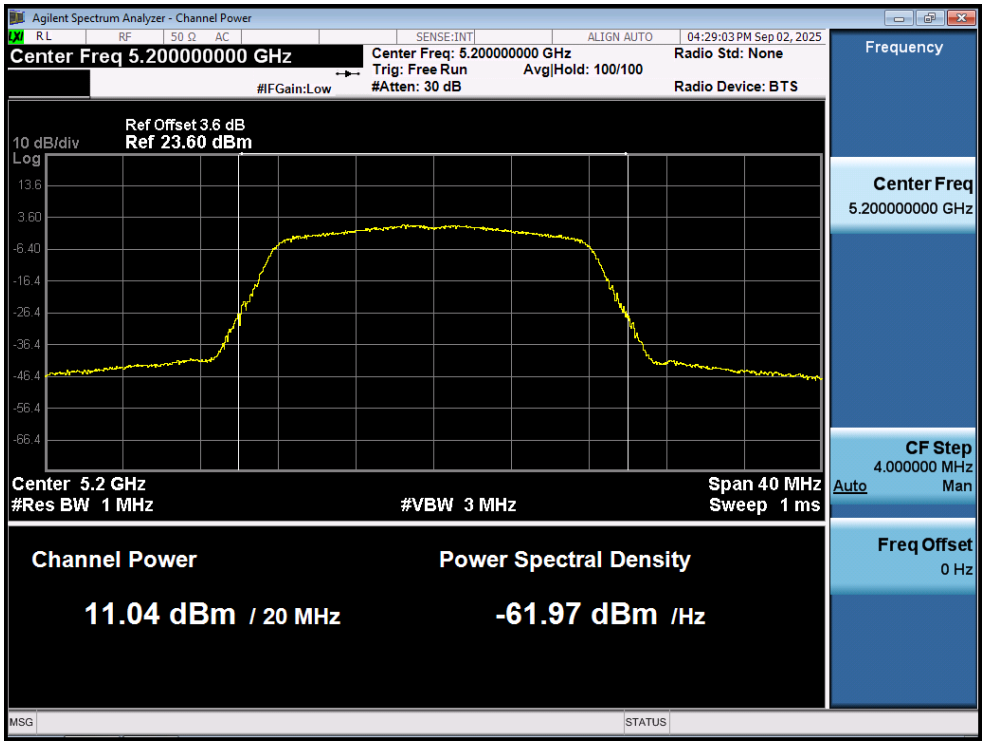
The Array gain=0 for NANT≤4

So the directional gain for Power measurements is 1.90 dBi

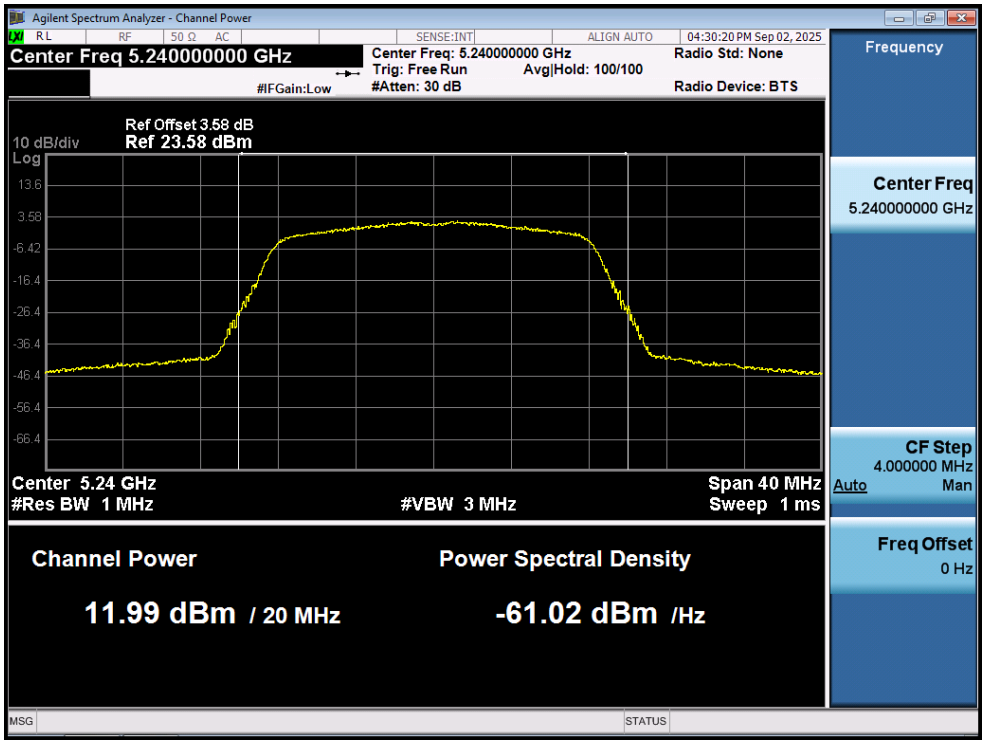
Test Graphs
Power NVNT a 5180MHz AntB



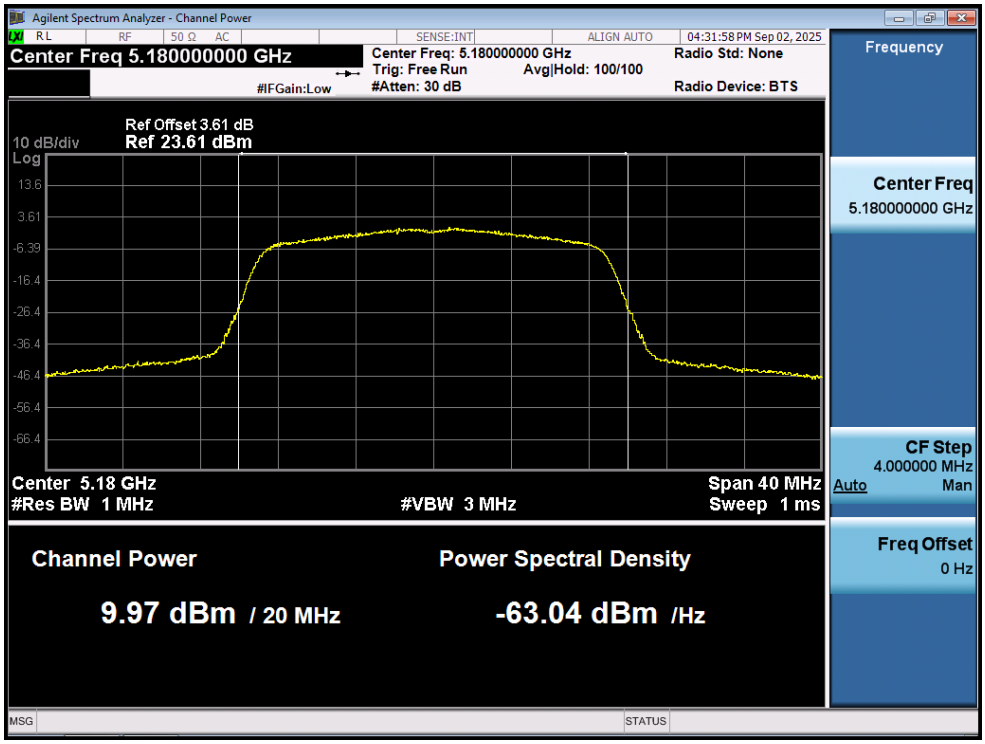
Power NVNT a 5200MHz AntB



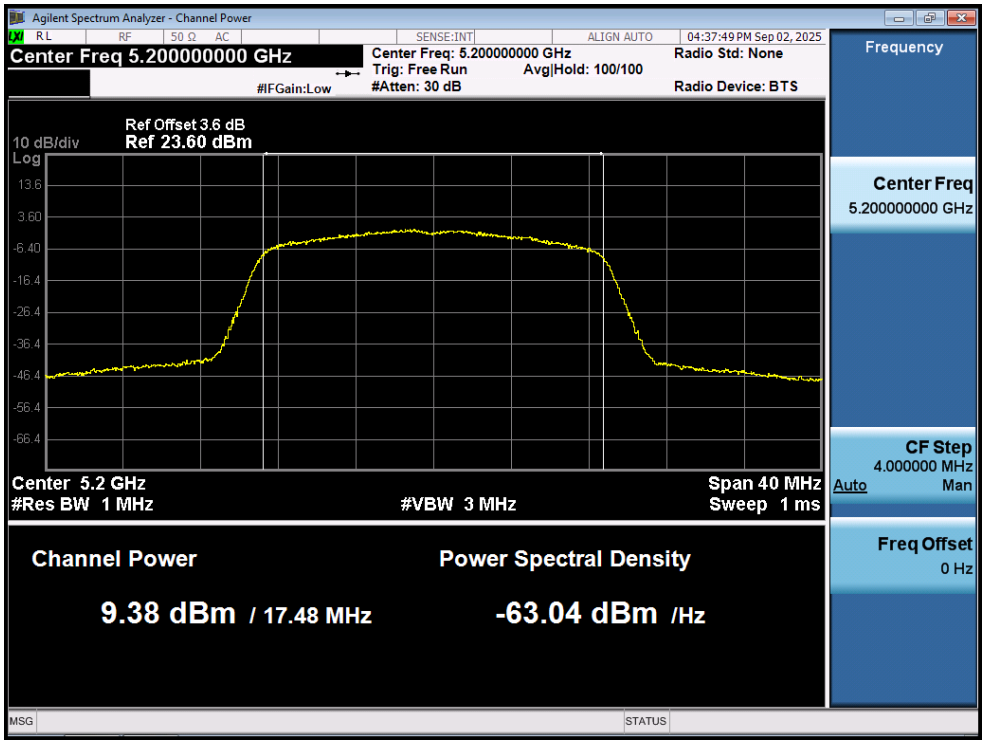
Power NVNT a 5240MHz AntB



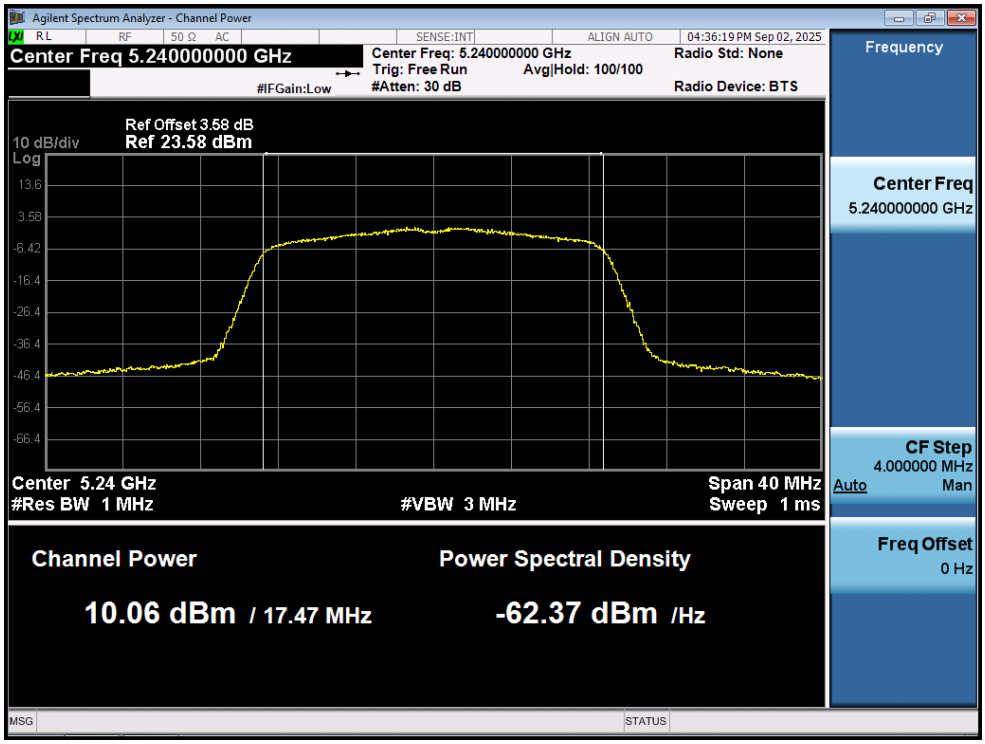
Power NVNT n20 5180MHz AntB



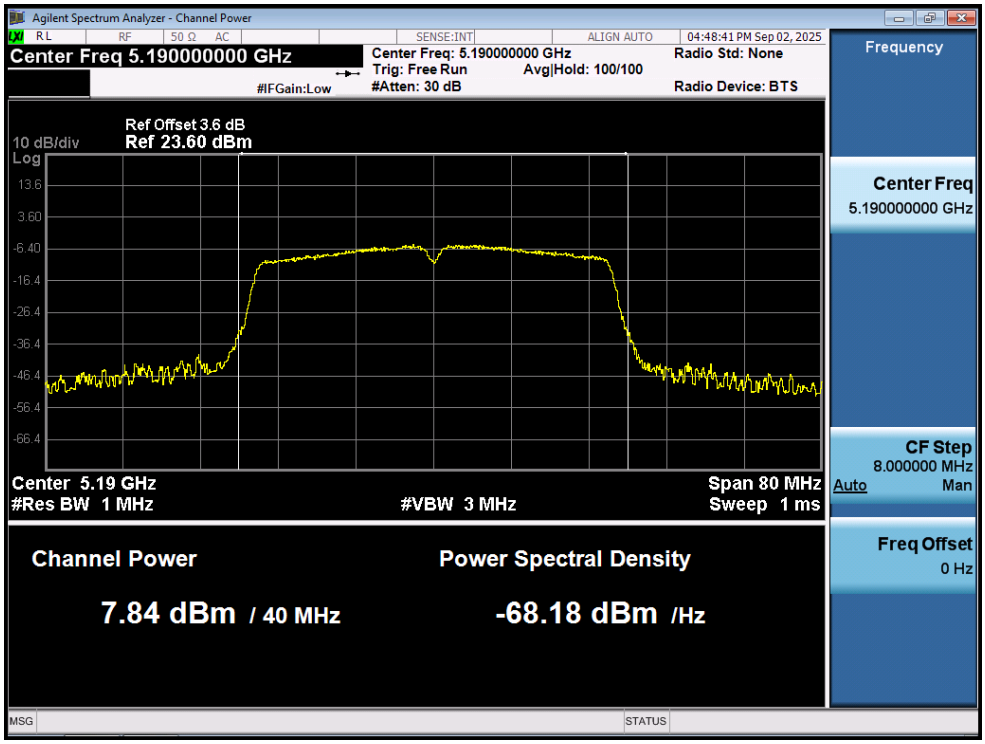
Power NVNT n20 5200MHz AntB



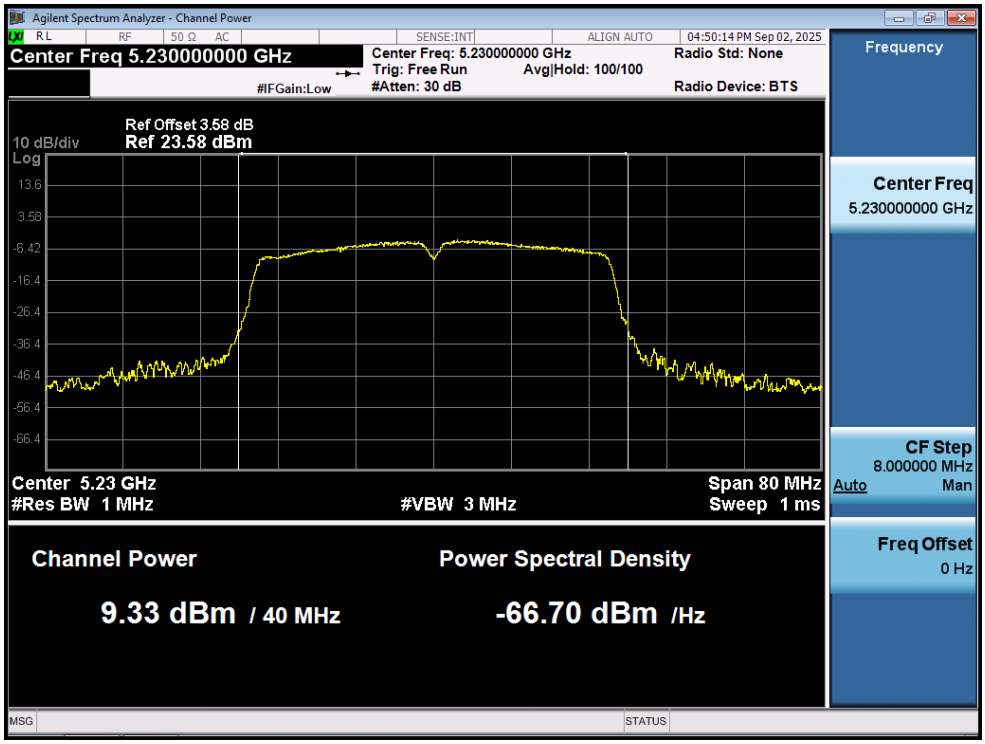
Power NVNT n20 5240MHz AntB



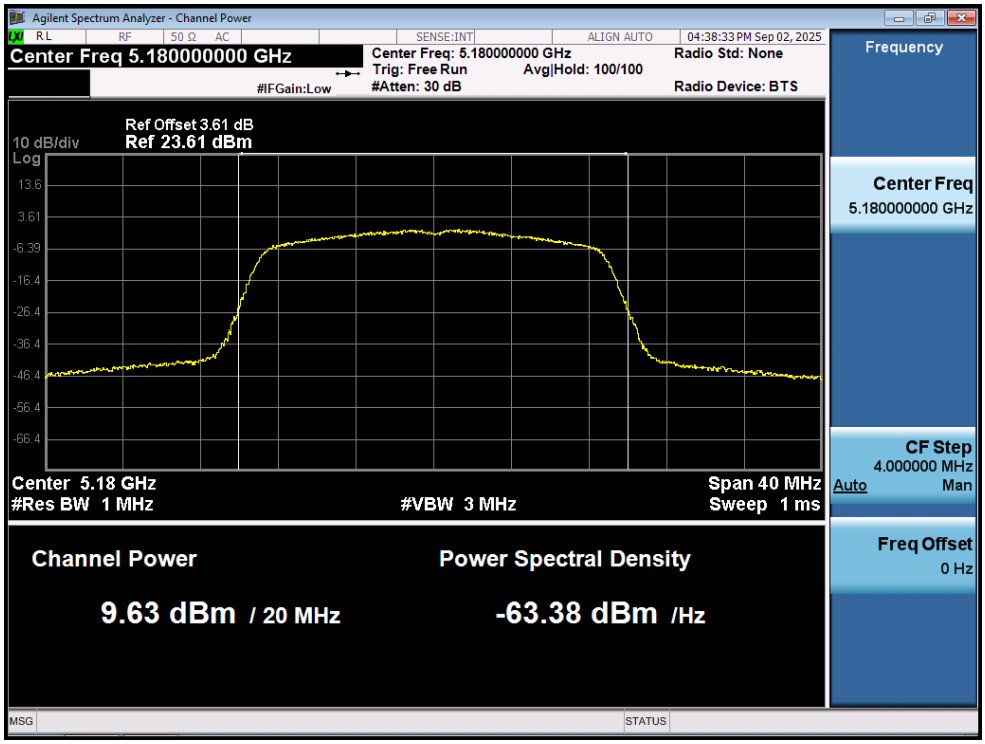
Power NVNT n40 5190MHz AntB



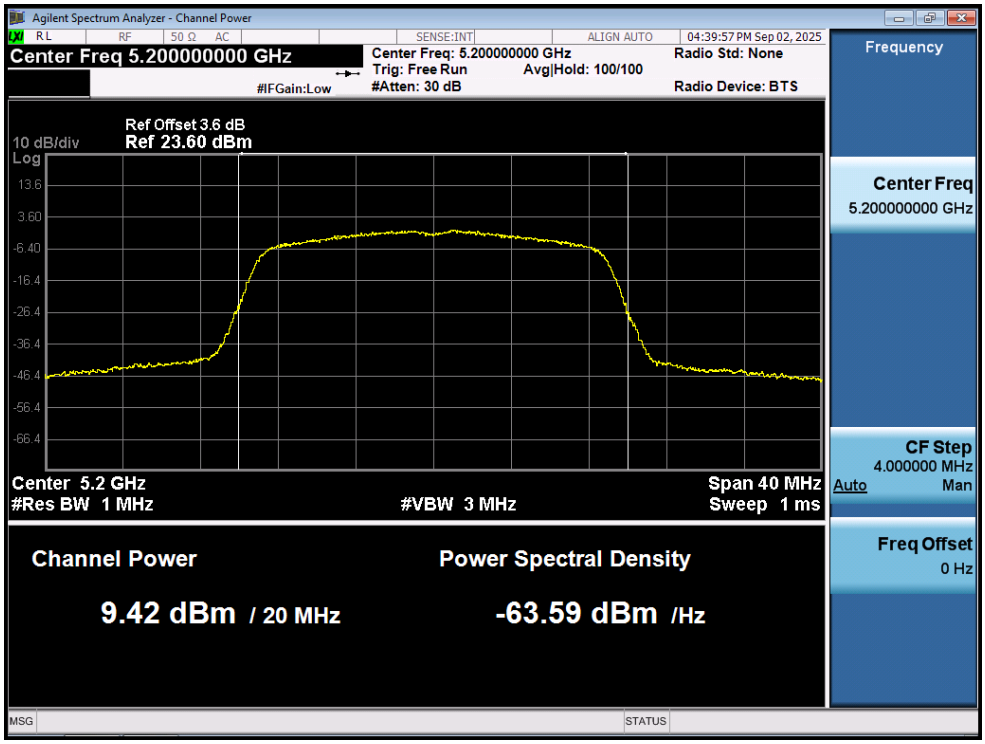
Power NVNT n40 5230MHz AntB



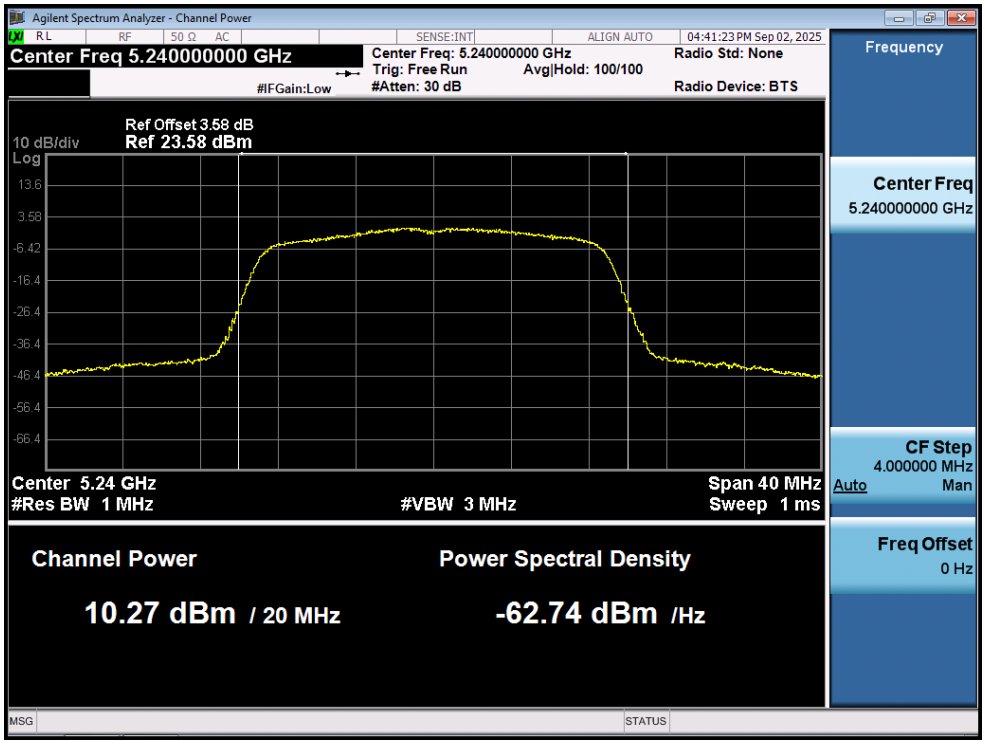
Power NVNT ac20 5180MHz AntB



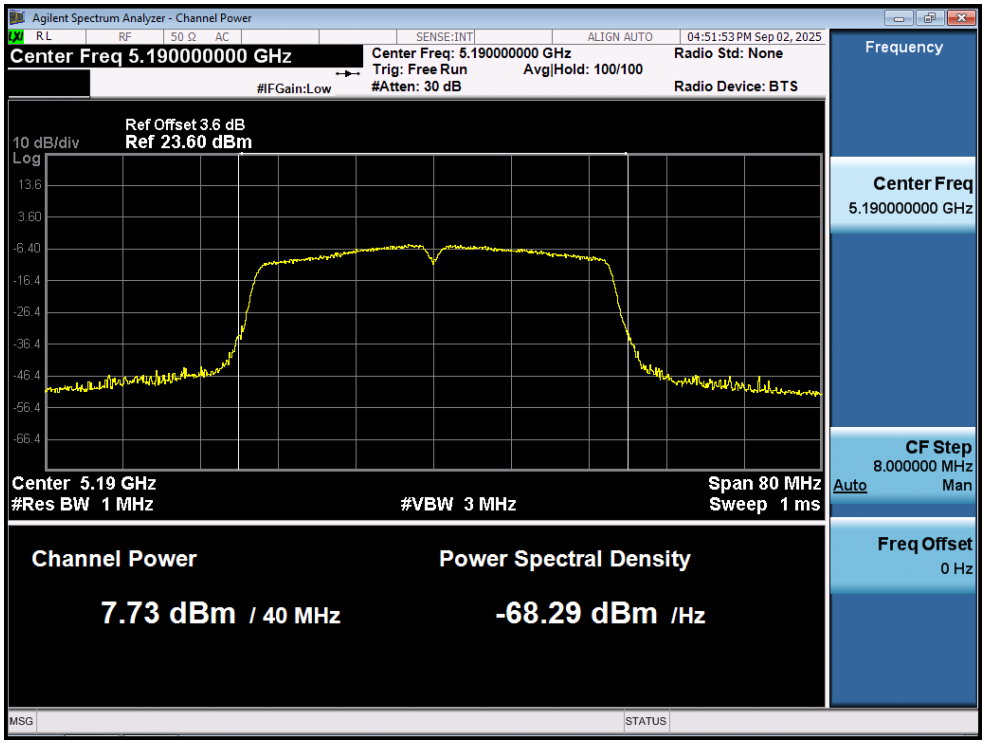
Power NVNT ac20 5200MHz AntB



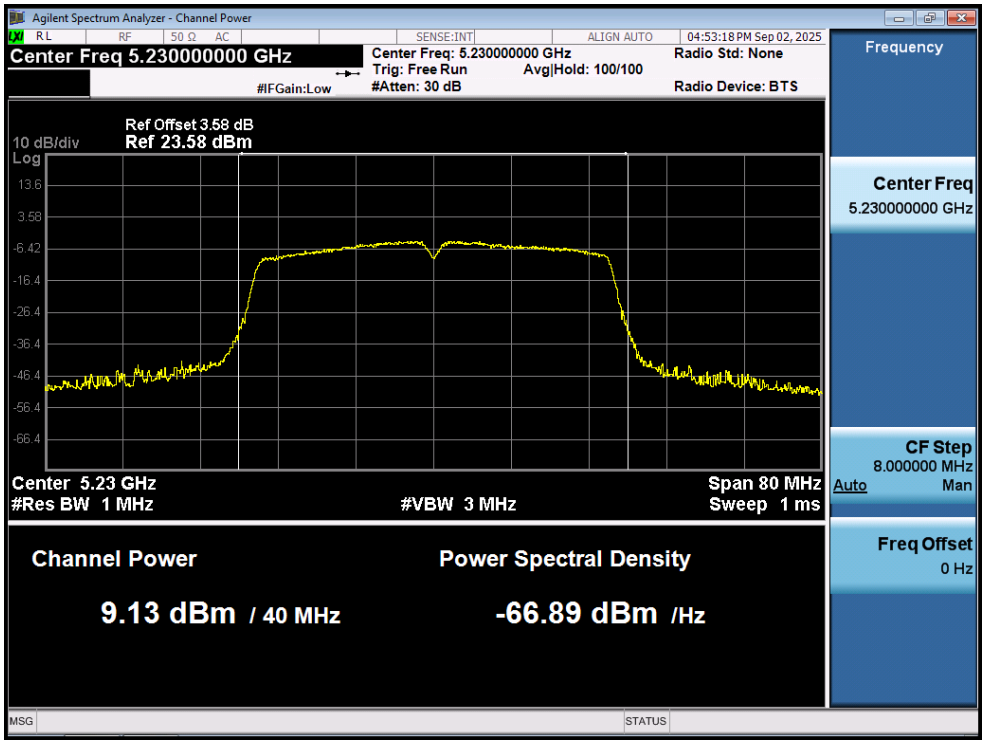
Power NVNT ac20 5240MHz AntB



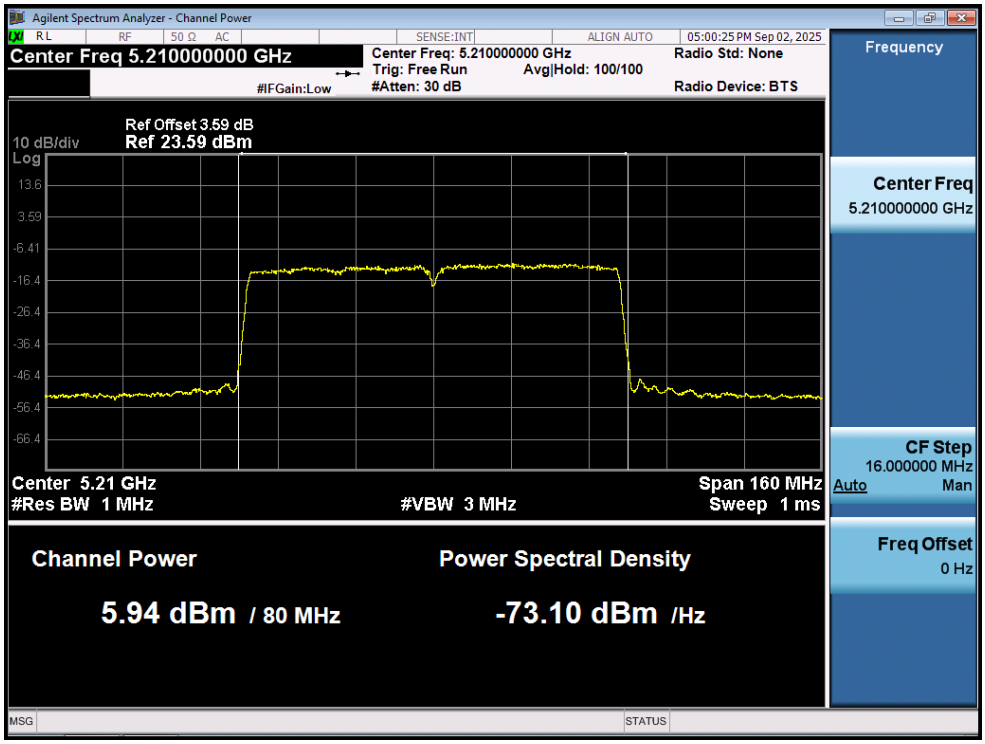
Power NVNT ac40 5190MHz AntB



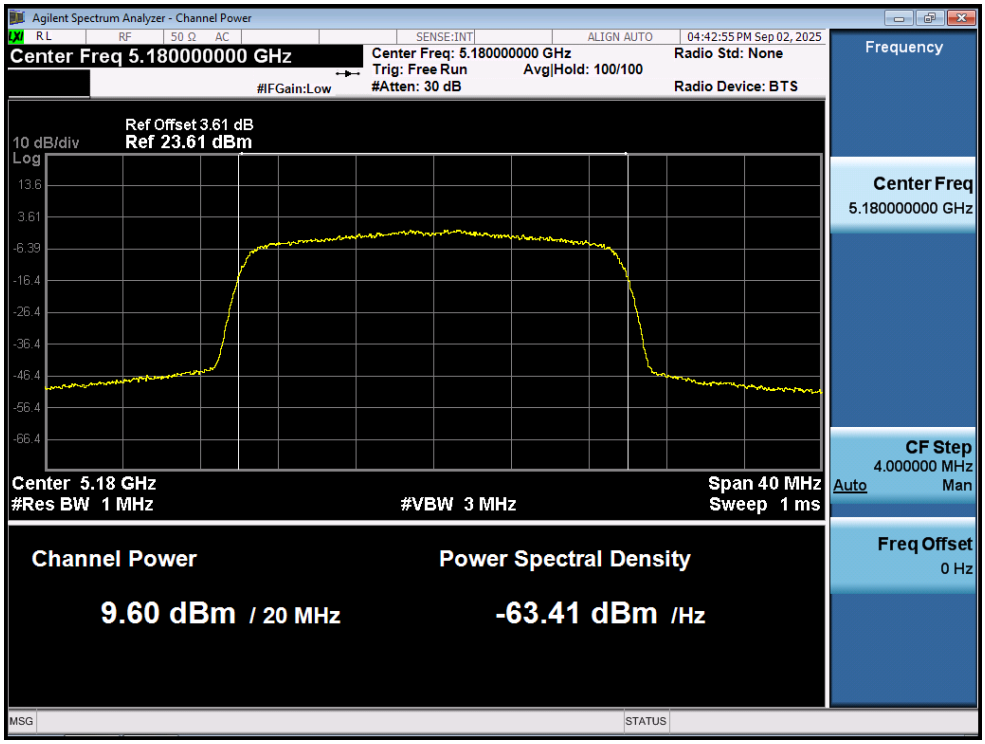
Power NVNT ac40 5230MHz AntB



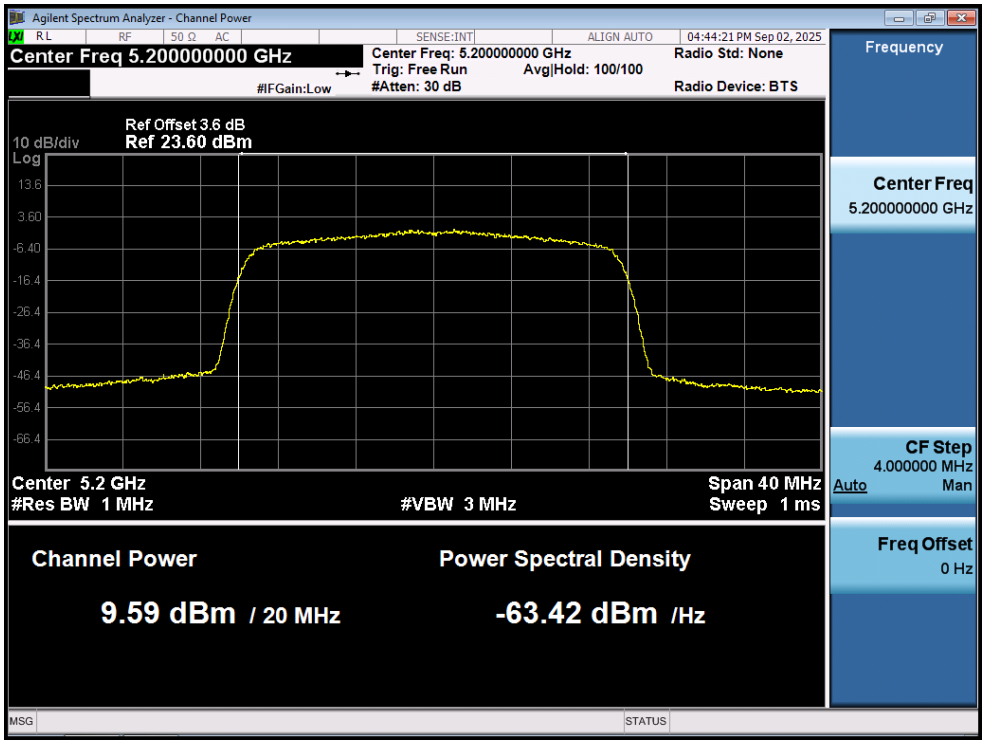
Power NVNT ac80 5210MHz AntB



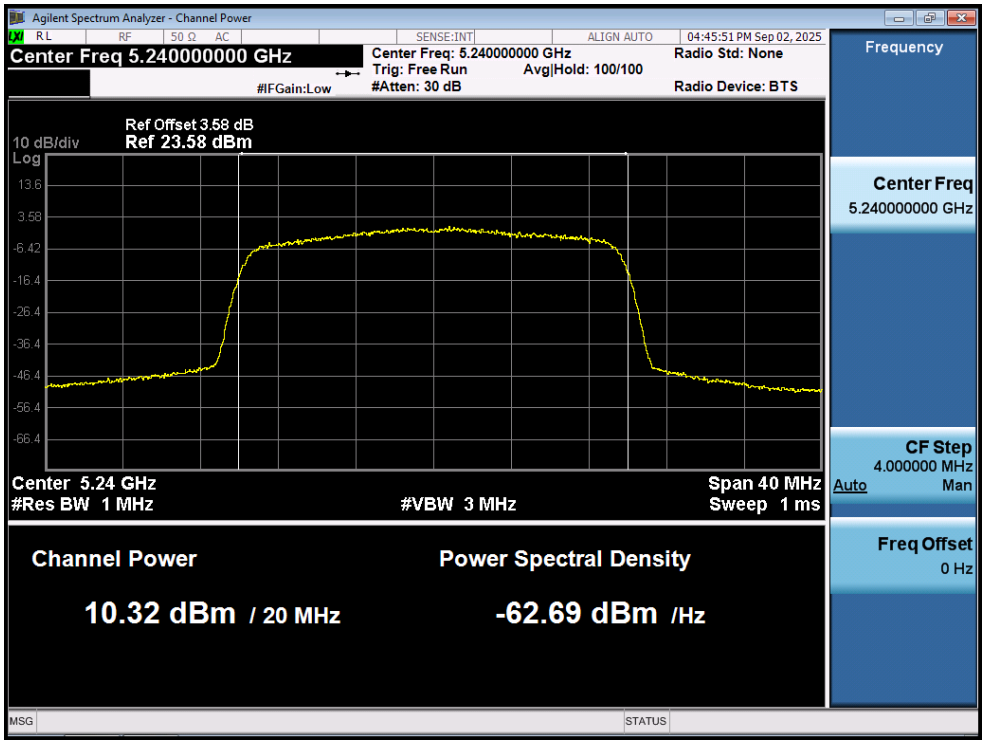
Power NVNT ax20 5180MHz AntB



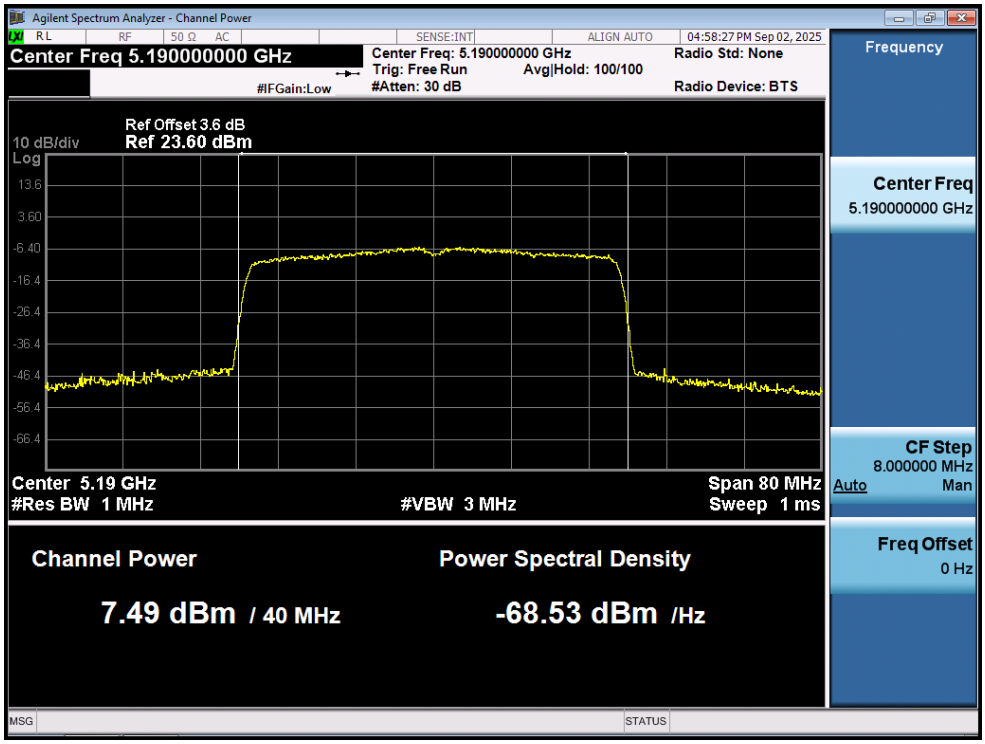
Power NVNT ax20 5200MHz AntB



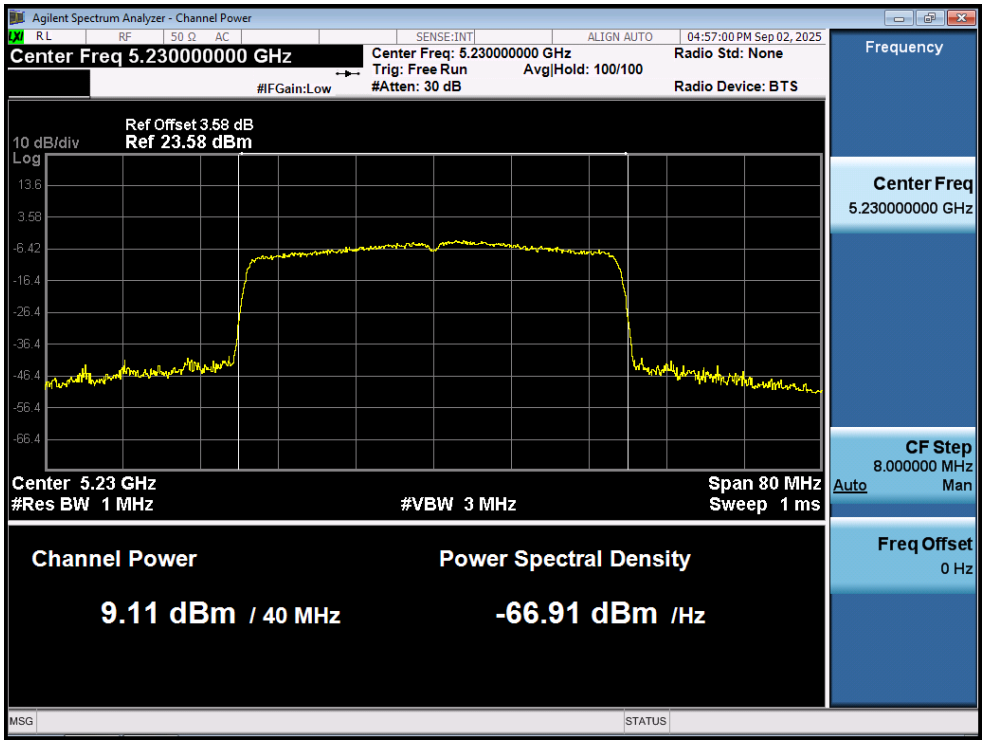
Power NVNT ax20 5240MHz AntB



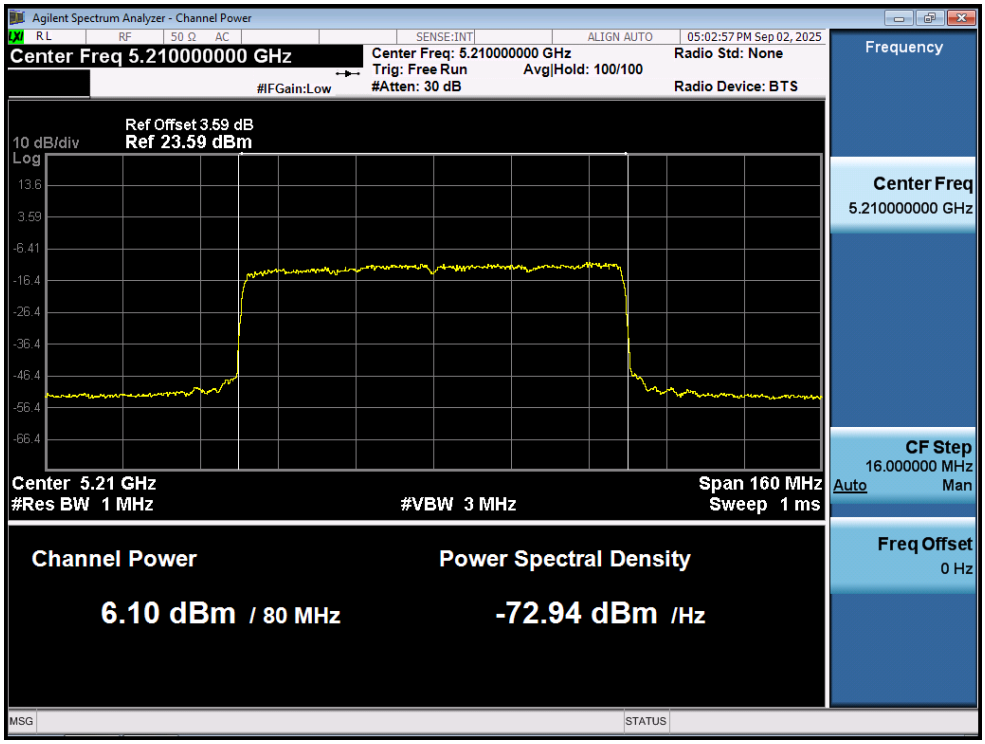
Power NVNT ax40 5190MHz AntB



Power NVNT ax40 5230MHz AntB



Power NVNT ax80 5210MHz AntB

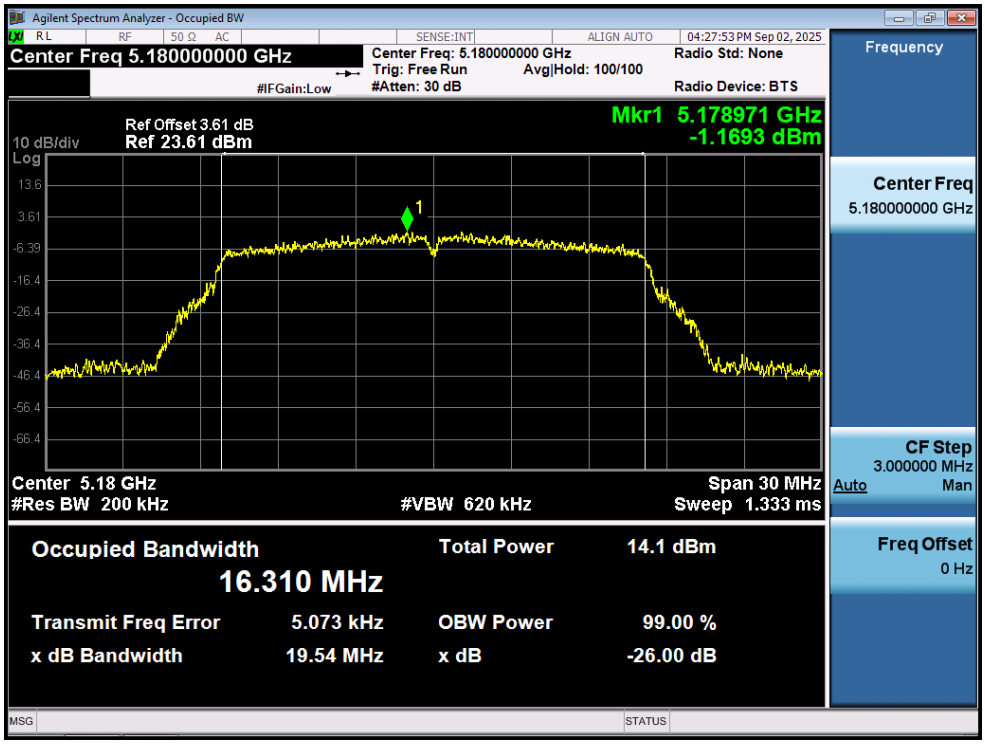


-26dB Bandwidth

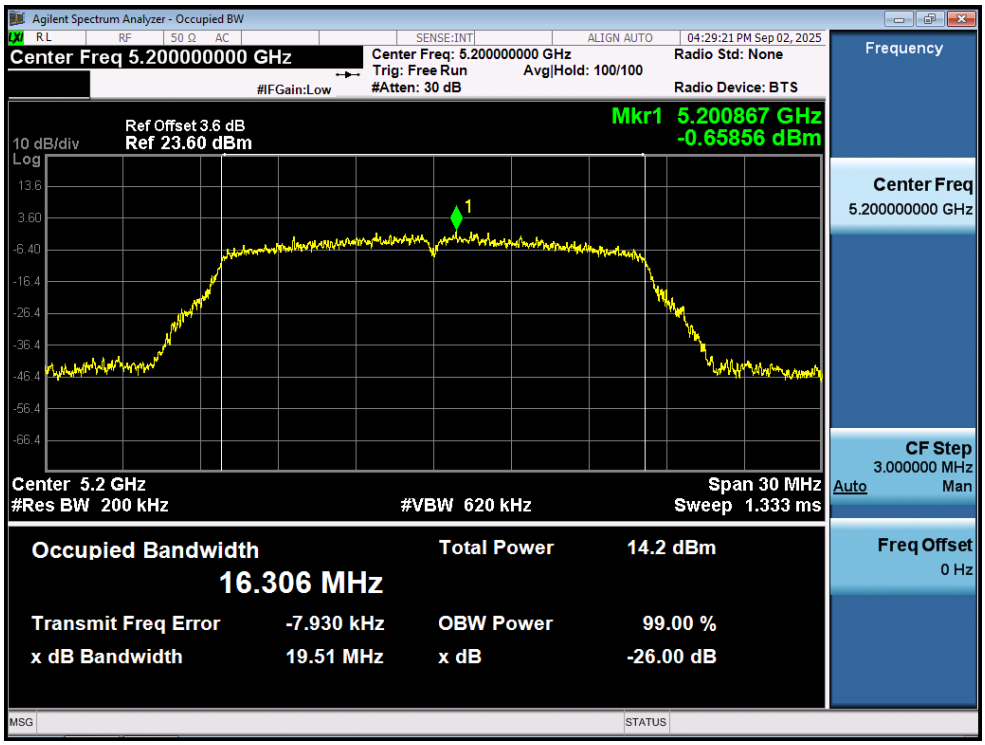
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	AntB	19.535	0.5	Pass
		5200		19.508	0.5	Pass
		5240		19.623	0.5	Pass
	n20	5180		19.91	0.5	Pass
		5200		19.845	0.5	Pass
		5240		19.445	0.5	Pass
	n40	5190		39.227	0.5	Pass
		5230		39.676	0.5	Pass
	ac20	5180		19.611	0.5	Pass
		5200		19.538	0.5	Pass
		5240		19.638	0.5	Pass
	ac40	5190		39.722	0.5	Pass
		5230		38.933	0.5	Pass
	ac80	5210		79.752	0.5	Pass
	ax20	5180		19.709	0.5	Pass
		5200		19.827	0.5	Pass
		5240		19.744	0.5	Pass
	ax40	5190		39.41	0.5	Pass
		5230		39.267	0.5	Pass
	ax80	5210		80.129	0.5	Pass

Test Graphs

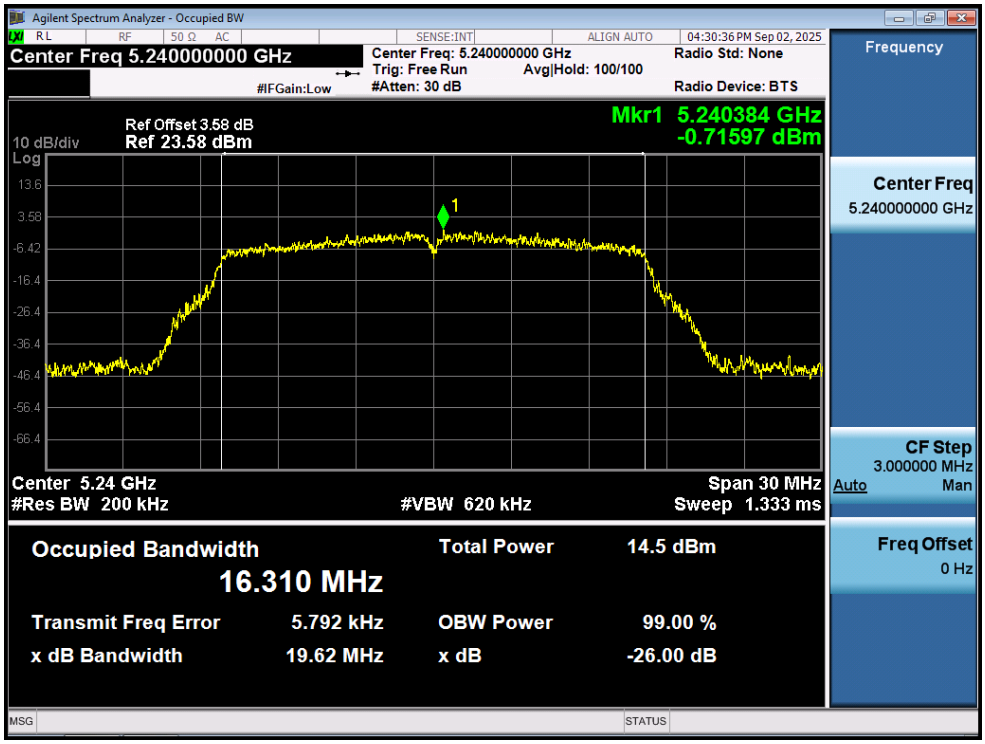
-26dB Bandwidth NVNT a 5180MHz AntB



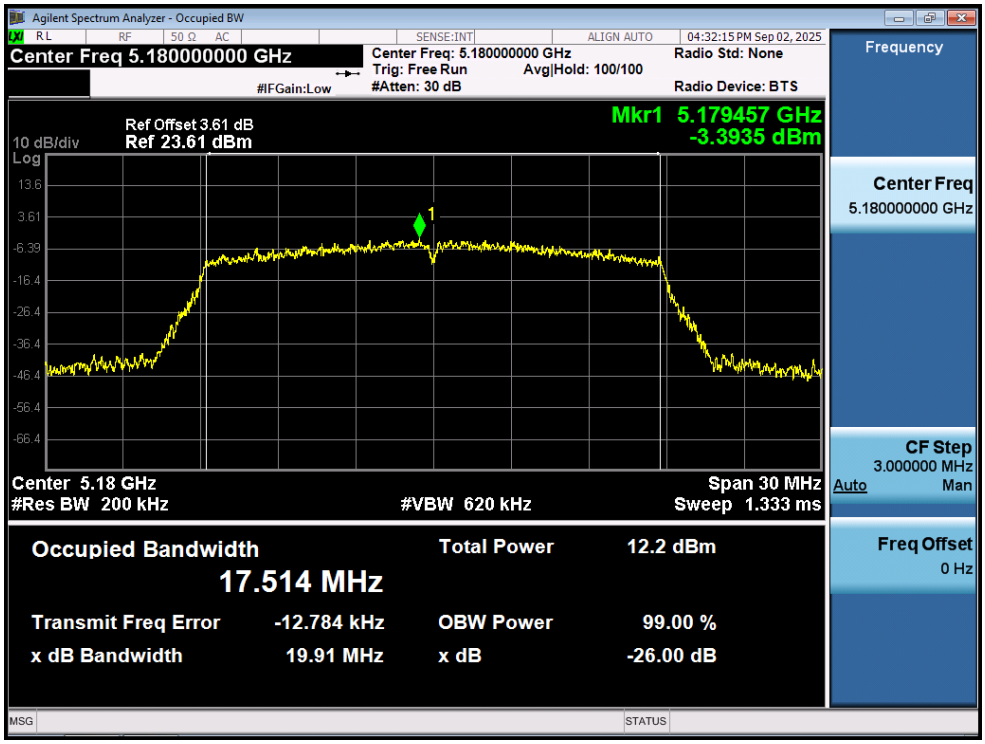
-26dB Bandwidth NVNT a 5200MHz AntB



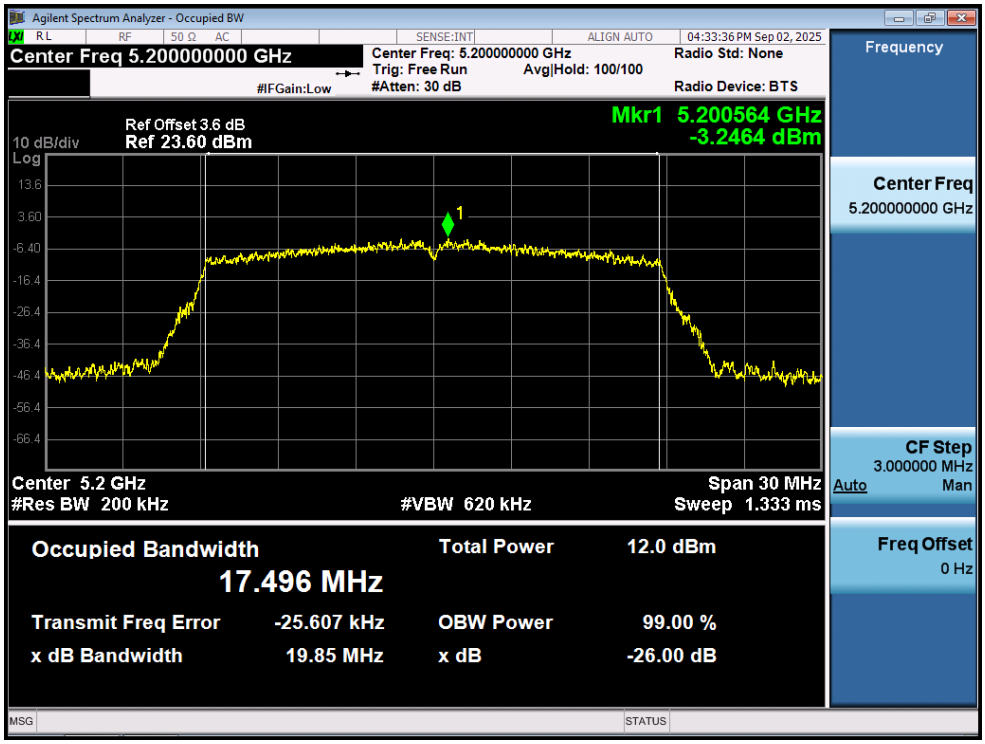
-26dB Bandwidth NVNT a 5240MHz AntB



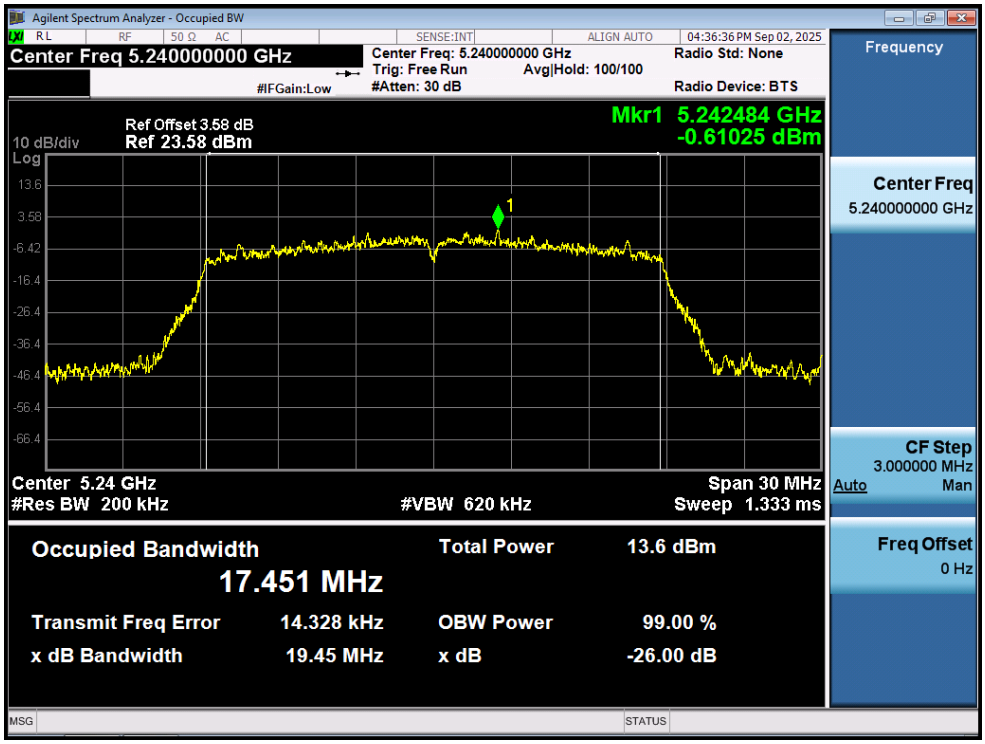
-26dB Bandwidth NVNT n20 5180MHz AntB



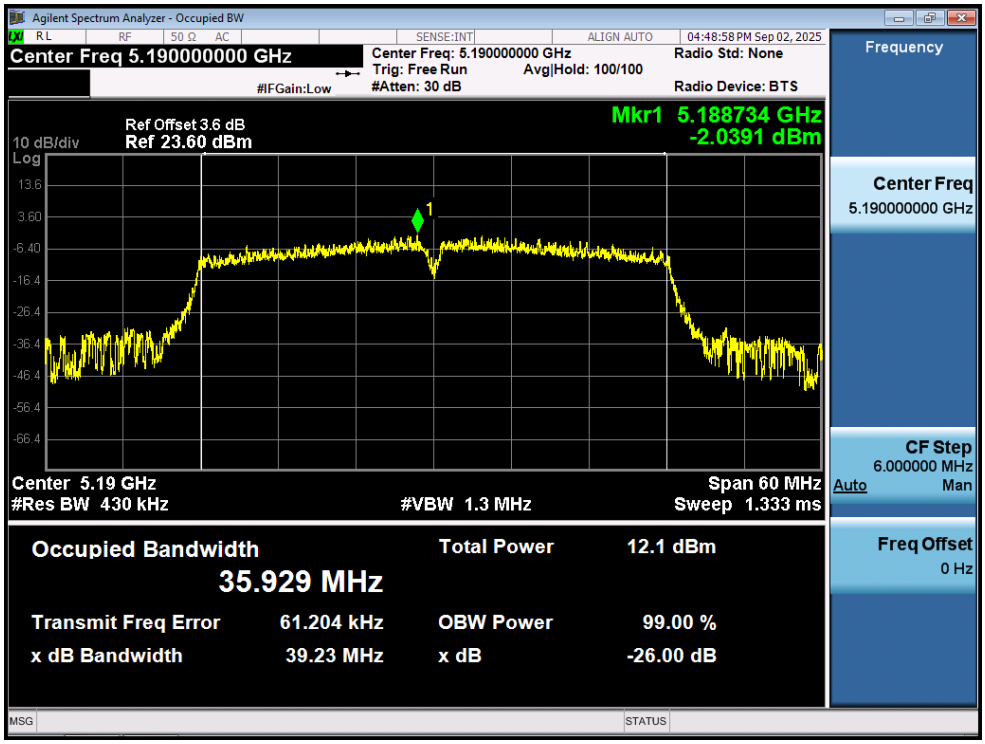
-26dB Bandwidth NVNT n20 5200MHz AntB



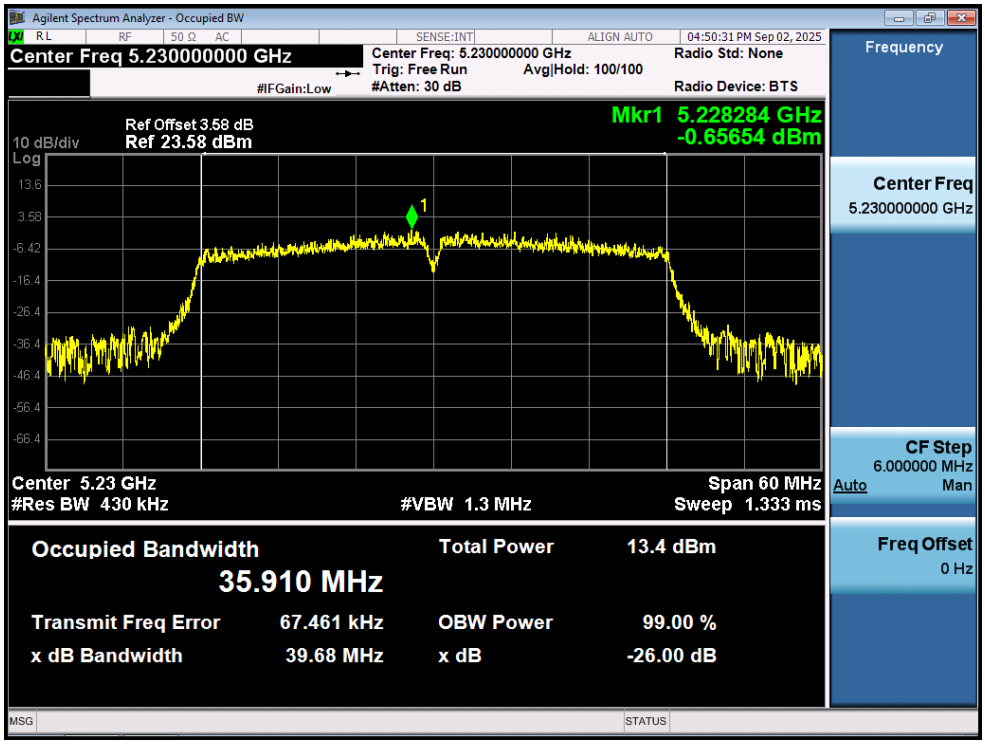
-26dB Bandwidth NVNT n20 5240MHz AntB



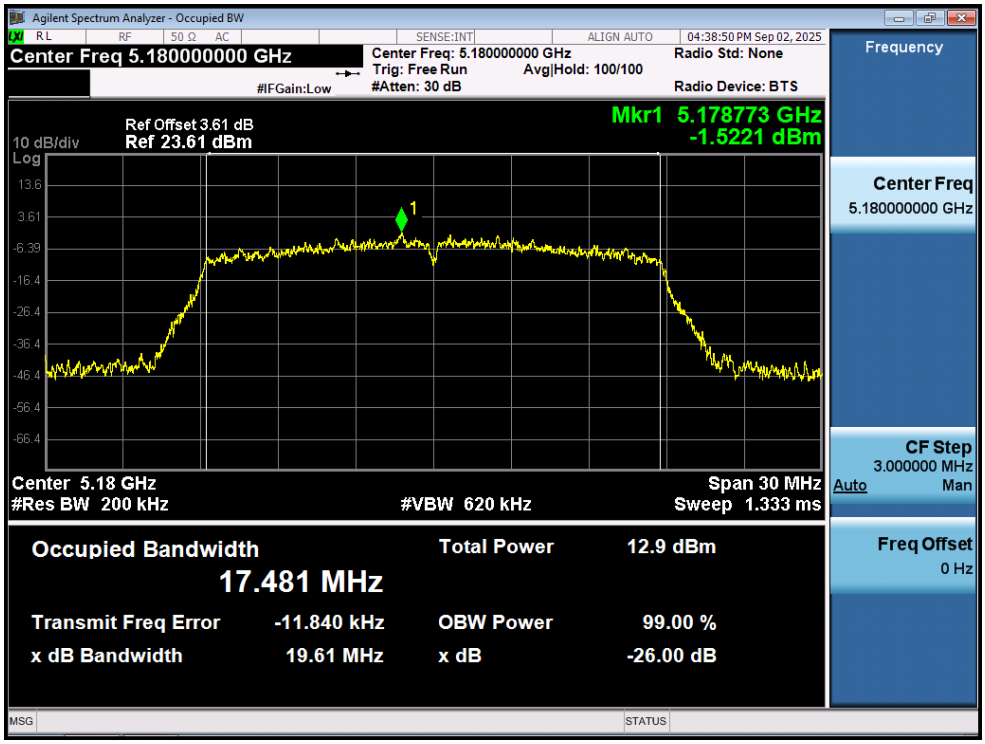
-26dB Bandwidth NVNT n40 5190MHz AntB



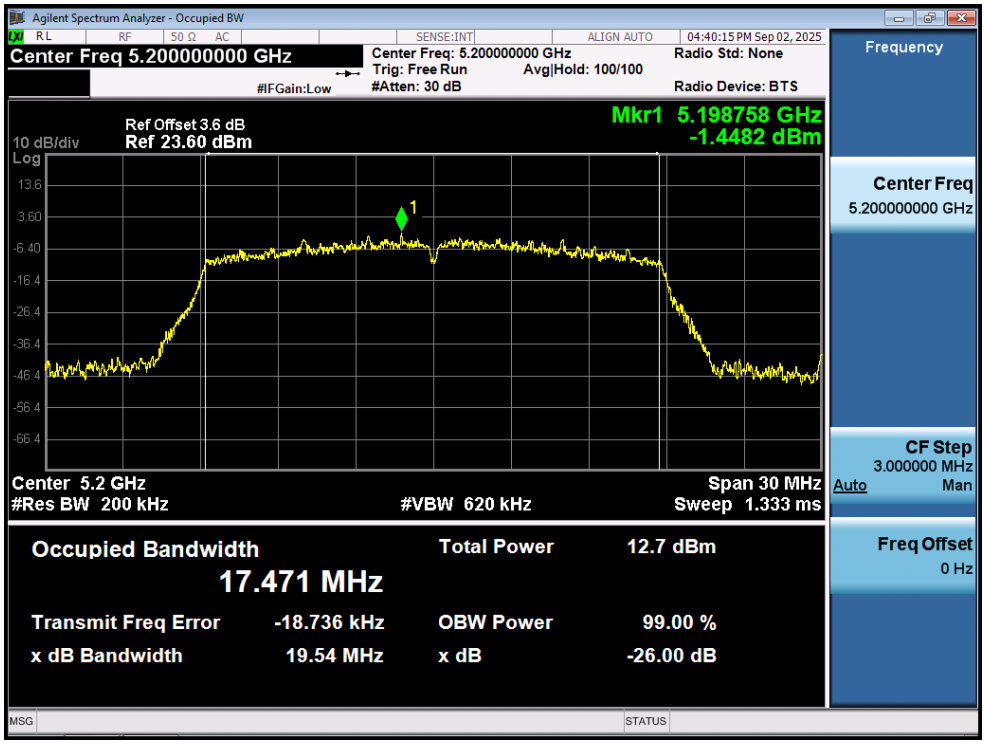
-26dB Bandwidth NVNT n40 5230MHz AntB



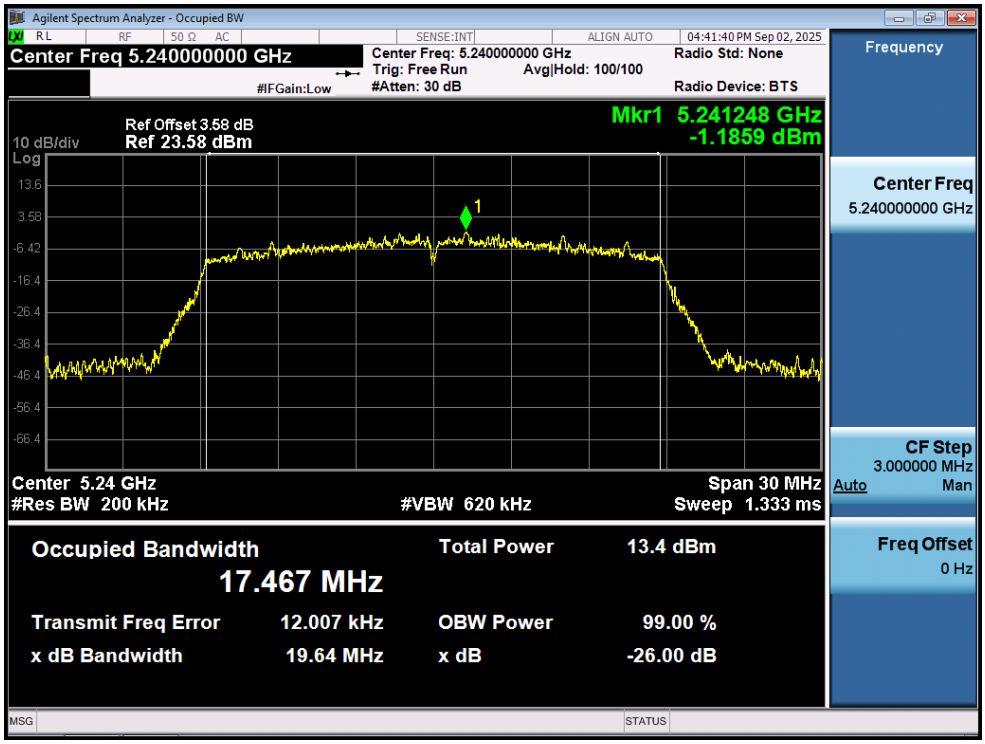
-26dB Bandwidth NVNT ac20 5180MHz AntB



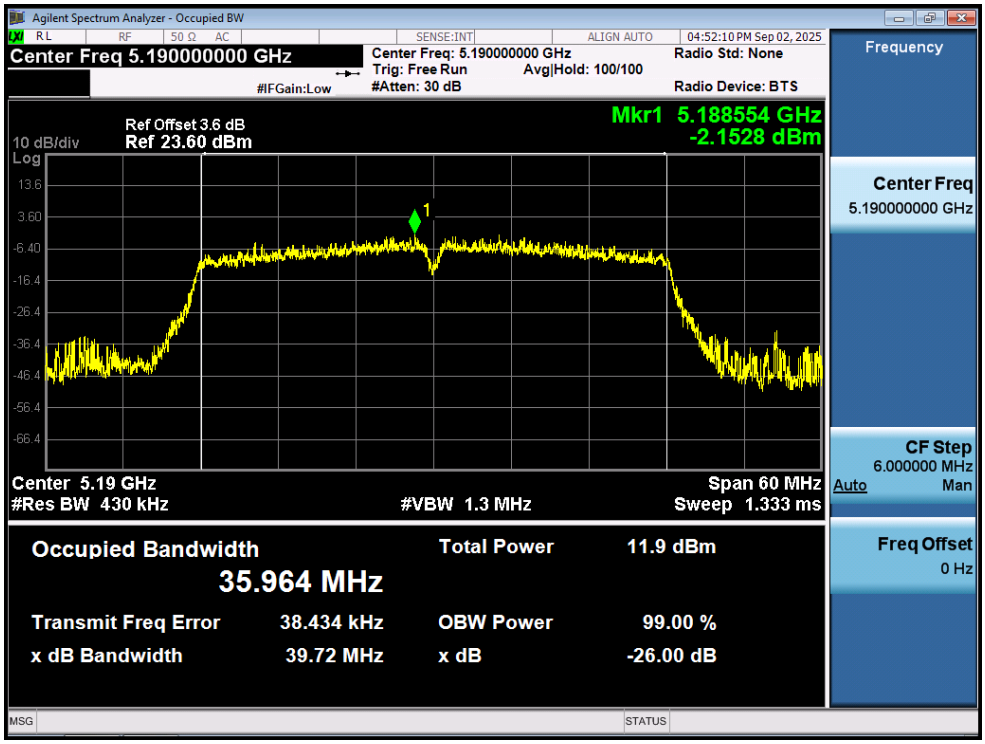
-26dB Bandwidth NVNT ac20 5200MHz AntB



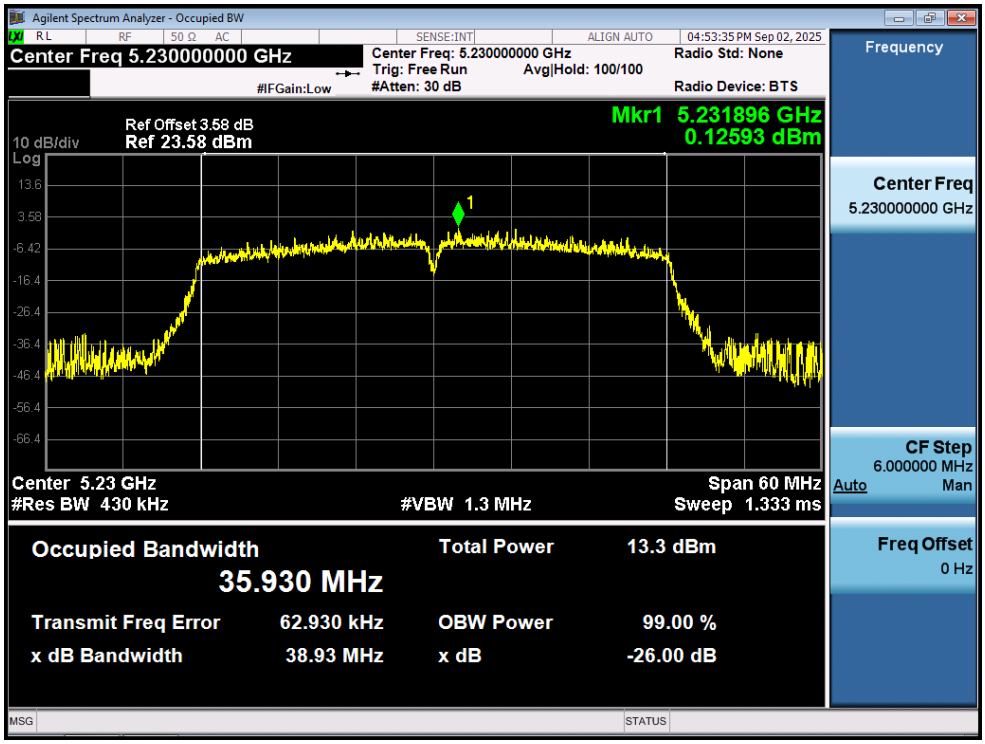
-26dB Bandwidth NVNT ac20 5240MHz AntB



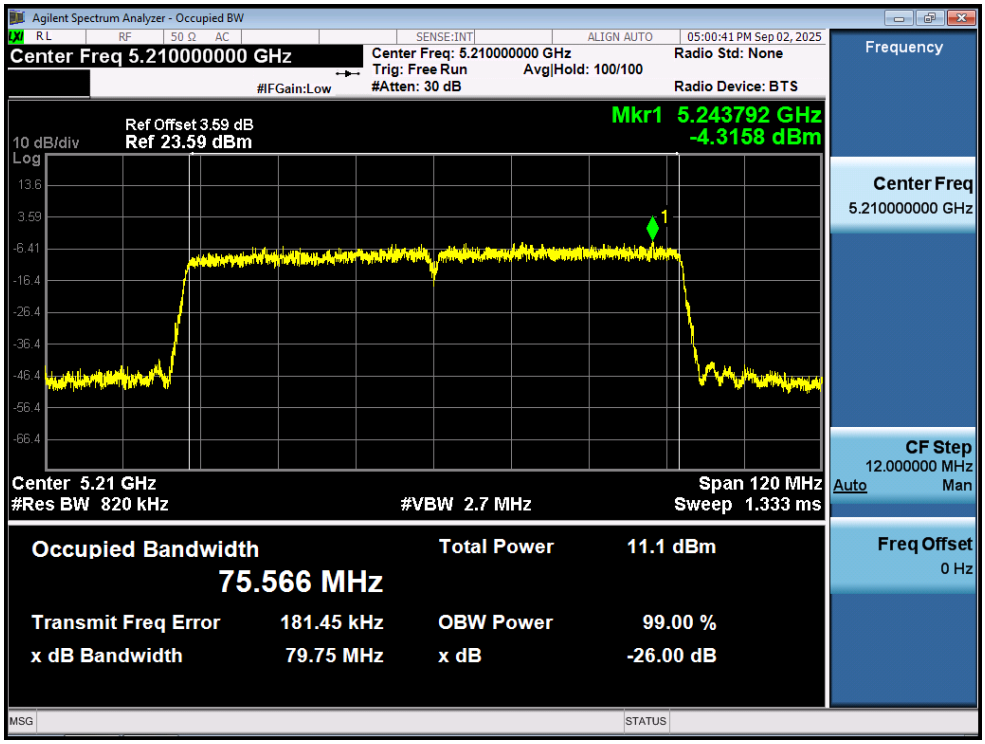
-26dB Bandwidth NVNT ac40 5190MHz AntB



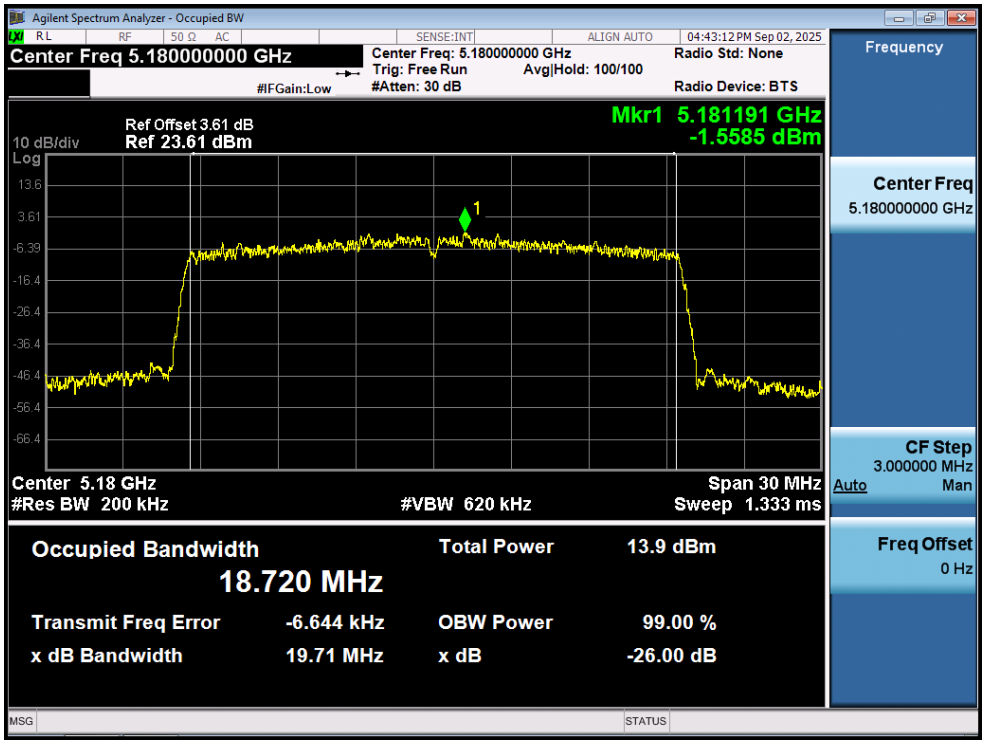
-26dB Bandwidth NVNT ac40 5230MHz AntB



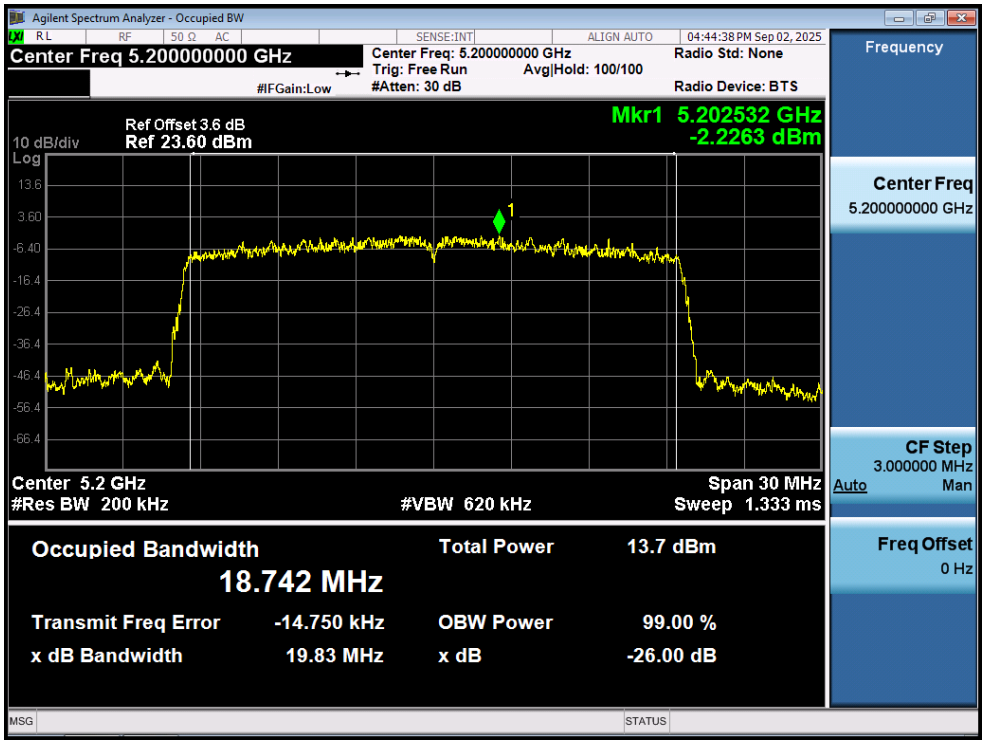
-26dB Bandwidth NVNT ac80 5210MHz AntB



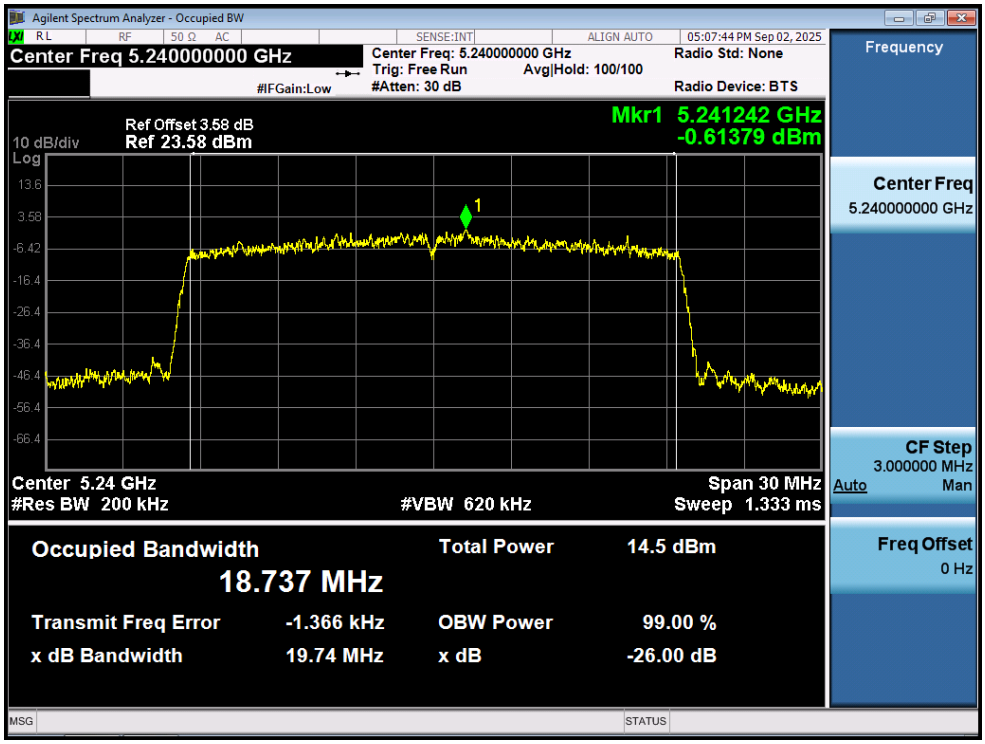
-26dB Bandwidth NVNT ax20 5180MHz AntB



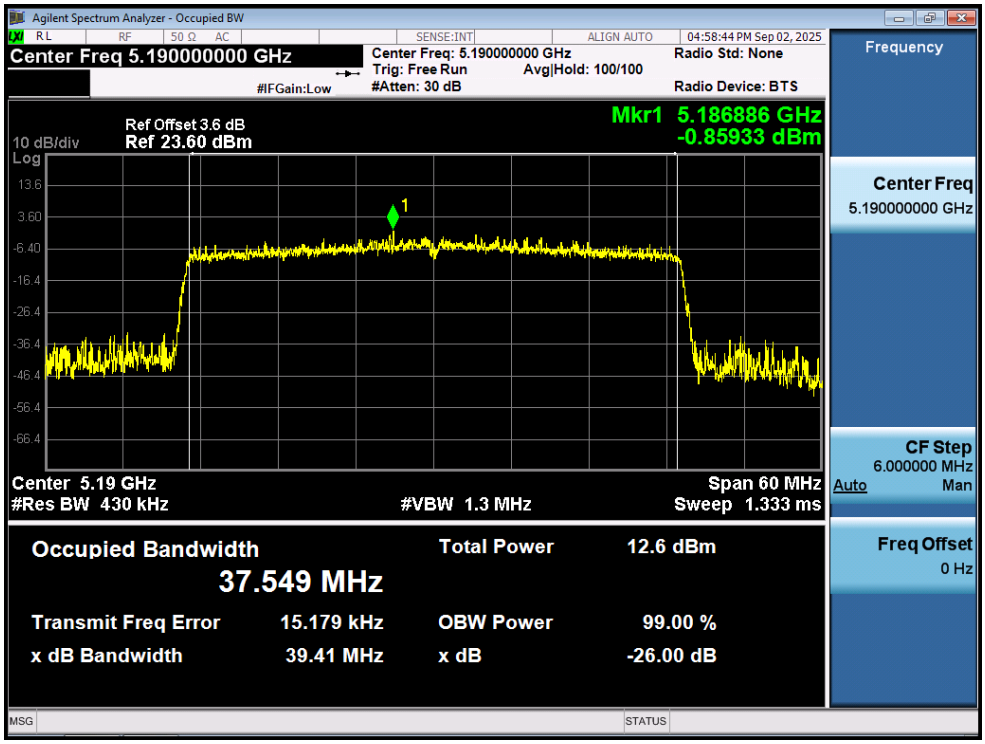
-26dB Bandwidth NVNT ax20 5200MHz AntB



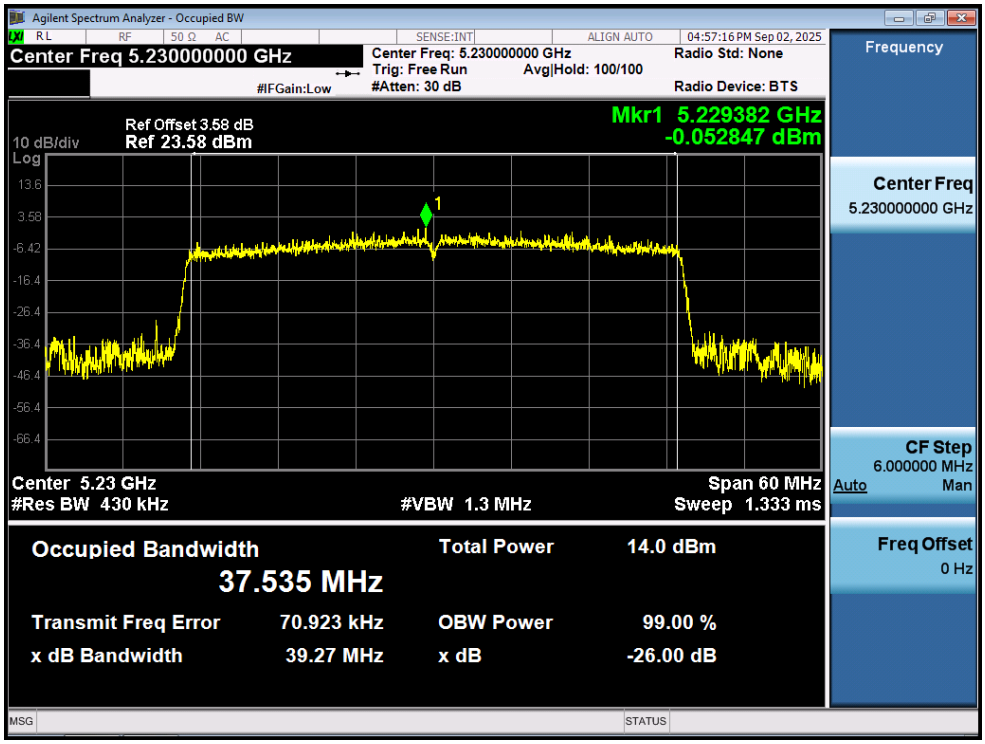
-26dB Bandwidth NVNT ax20 5240MHz AntB



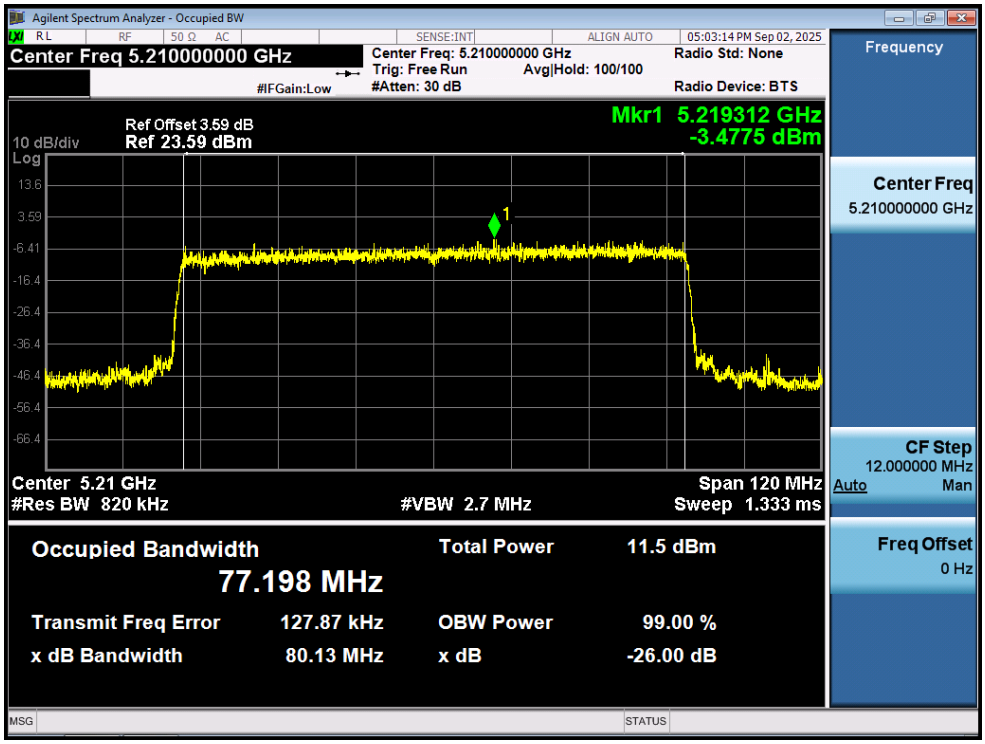
-26dB Bandwidth NVNT ax40 5190MHz AntB



-26dB Bandwidth NVNT ax40 5230MHz AntB



-26dB Bandwidth NVNT ax80 5210MHz AntB



Maximum Power Spectral Density Level

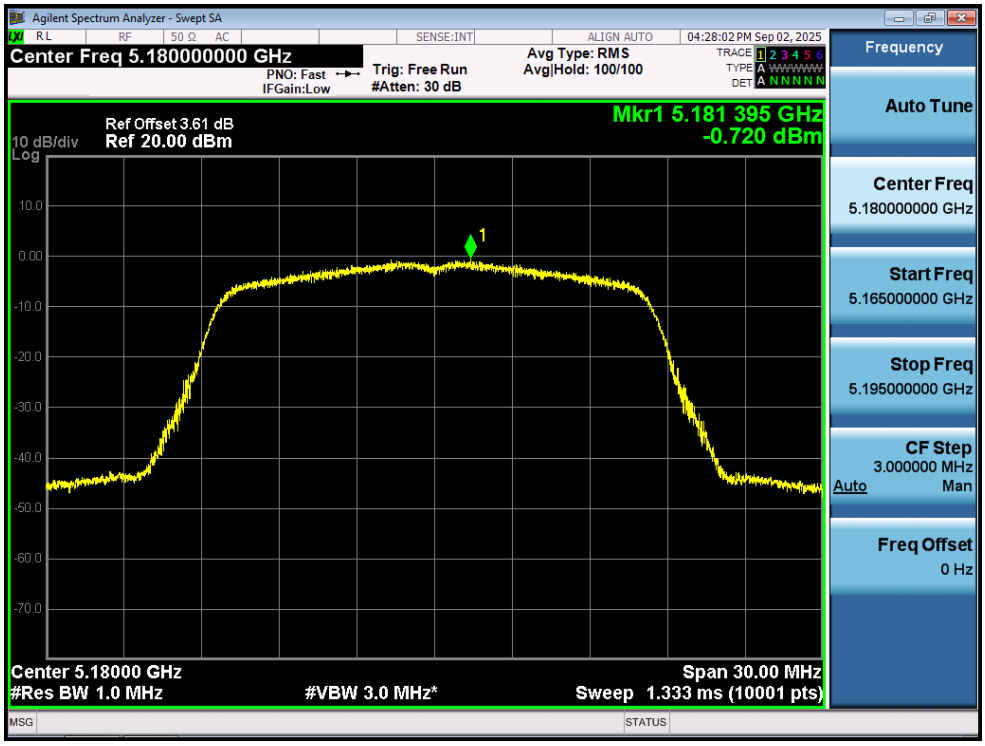
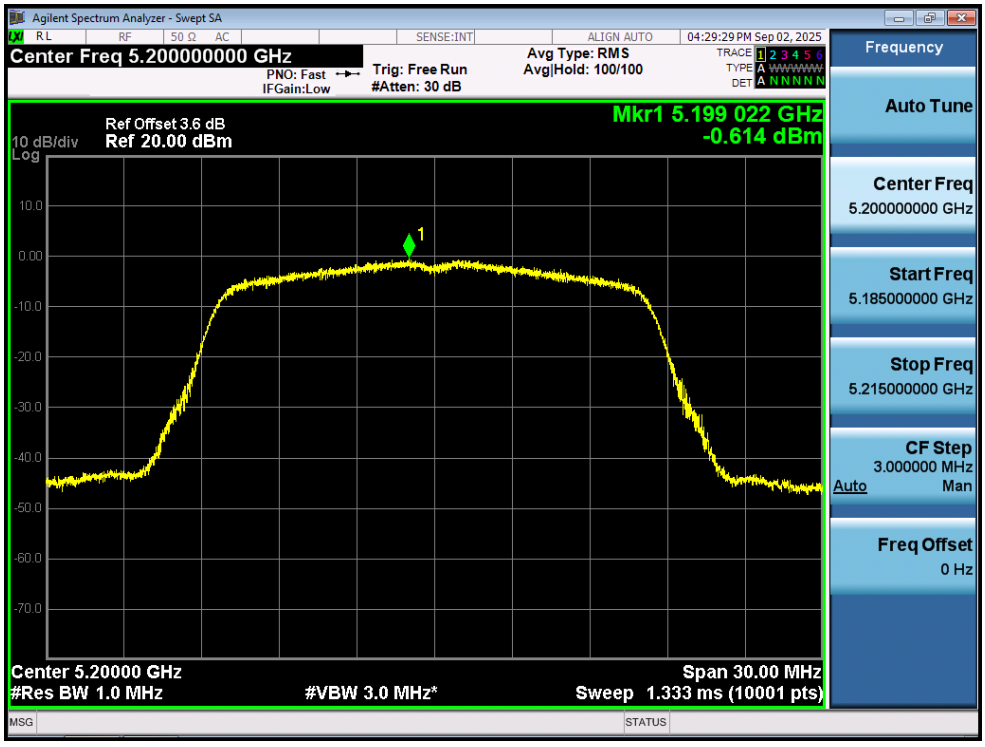
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	AntB	-0.72	11	Pass
NVNT	a	5200	AntB	-0.61	11	Pass
NVNT	a	5240	AntB	0.03	11	Pass
NVNT	n20	5180	AntB	-2.15	11	Pass
NVNT	n20	5200	AntB	-2.61	11	Pass
NVNT	n20	5240	AntB	-1.4	11	Pass
NVNT	n40	5190	AntB	-7.13	11	Pass
NVNT	n40	5230	AntB	-6.2	11	Pass
NVNT	ac20	5180	AntB	-2.43	11	Pass
NVNT	ac20	5200	AntB	-2.42	11	Pass
NVNT	ac20	5240	AntB	-1.81	11	Pass
NVNT	ac40	5190	AntB	-7.48	11	Pass
NVNT	ac40	5230	AntB	-6.32	11	Pass
NVNT	ac80	5210	AntB	-13.53	11	Pass
NVNT	ax20	5180	AntB	-2.63	11	Pass
NVNT	ax20	5200	AntB	-2.8	11	Pass
NVNT	ax20	5240	AntB	-1.67	11	Pass
NVNT	ax40	5190	AntB	-7.56	11	Pass
NVNT	ax40	5230	AntB	-6.48	11	Pass
NVNT	ax80	5210	AntB	-13.33	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

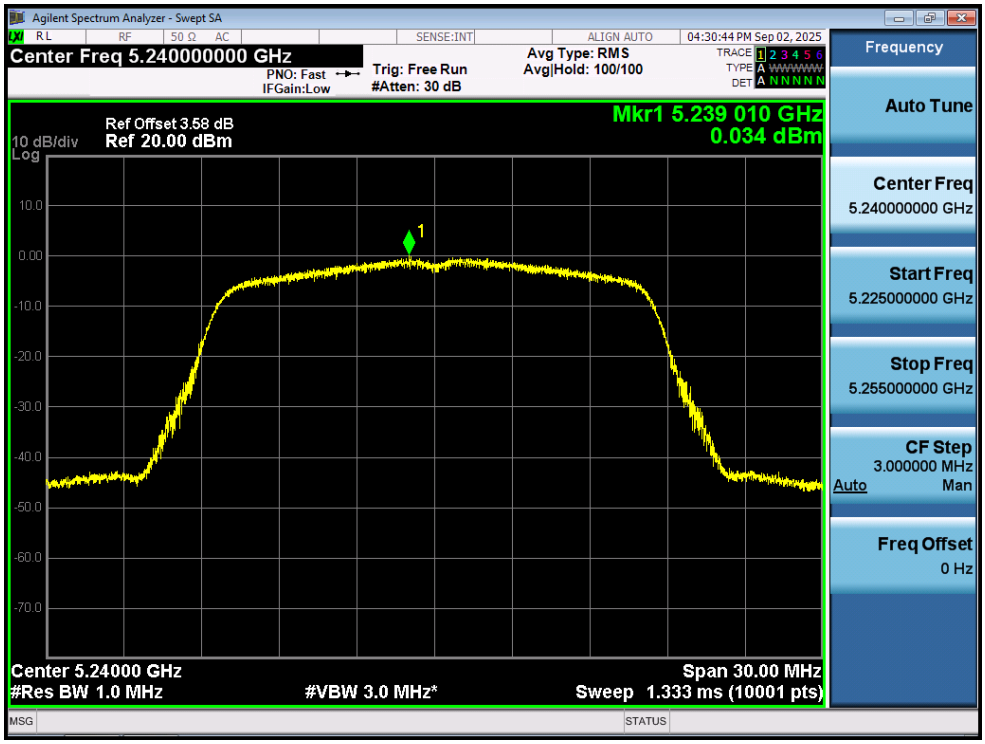
Note:

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

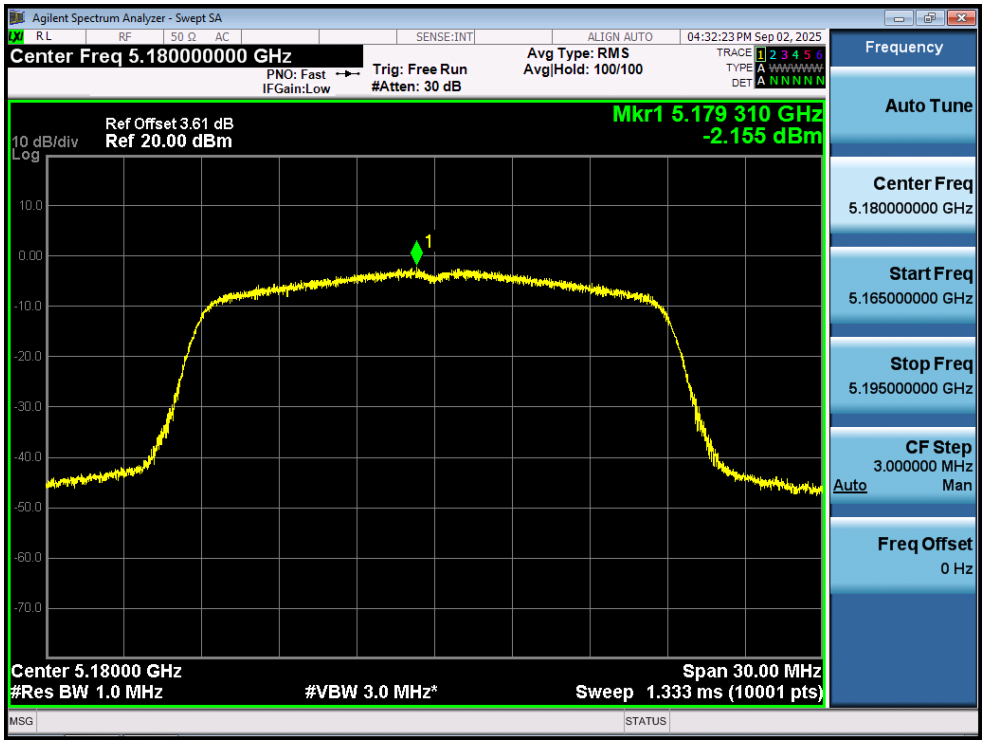
Limit=11 dBi

Test Graphs
PSD NVNT a 5180MHz AntB

PSD NVNT a 5200MHz AntB


PSD NVNT a 5240MHz AntB

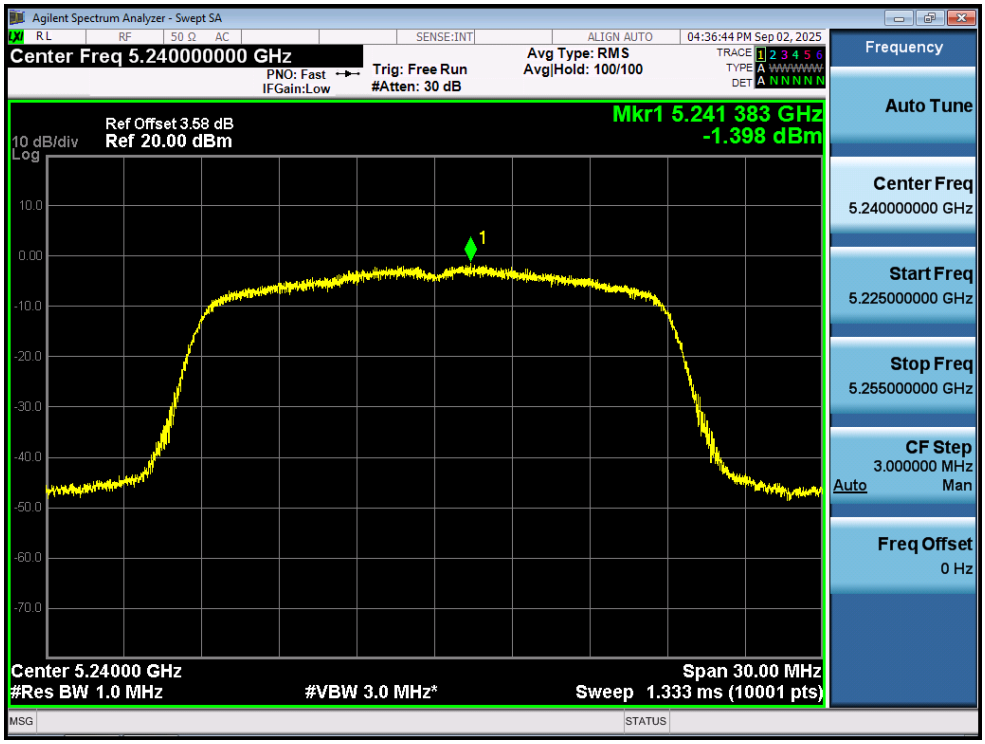


PSD NVNT n20 5180MHz AntB



PSD NVNT n20 5200MHz AntB

PSD NVNT n20 5240MHz AntB



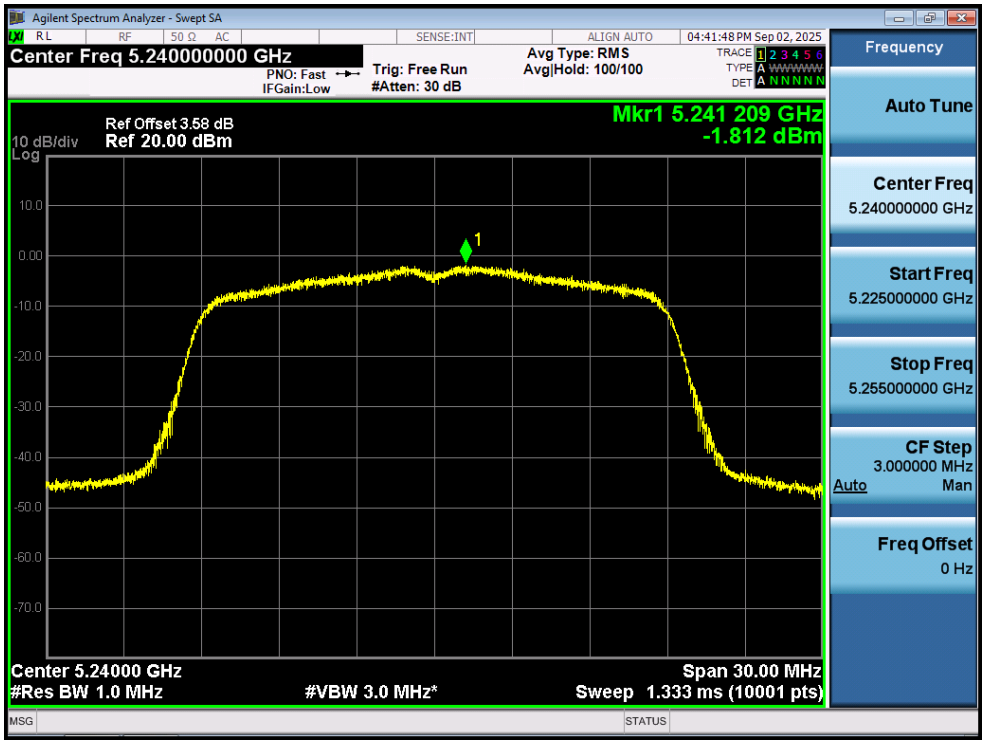
PSD NVNT n40 5190MHz AntB

PSD NVNT n40 5230MHz AntB

PSD NVNT ac20 5180MHz AntB

PSD NVNT ac20 5200MHz AntB

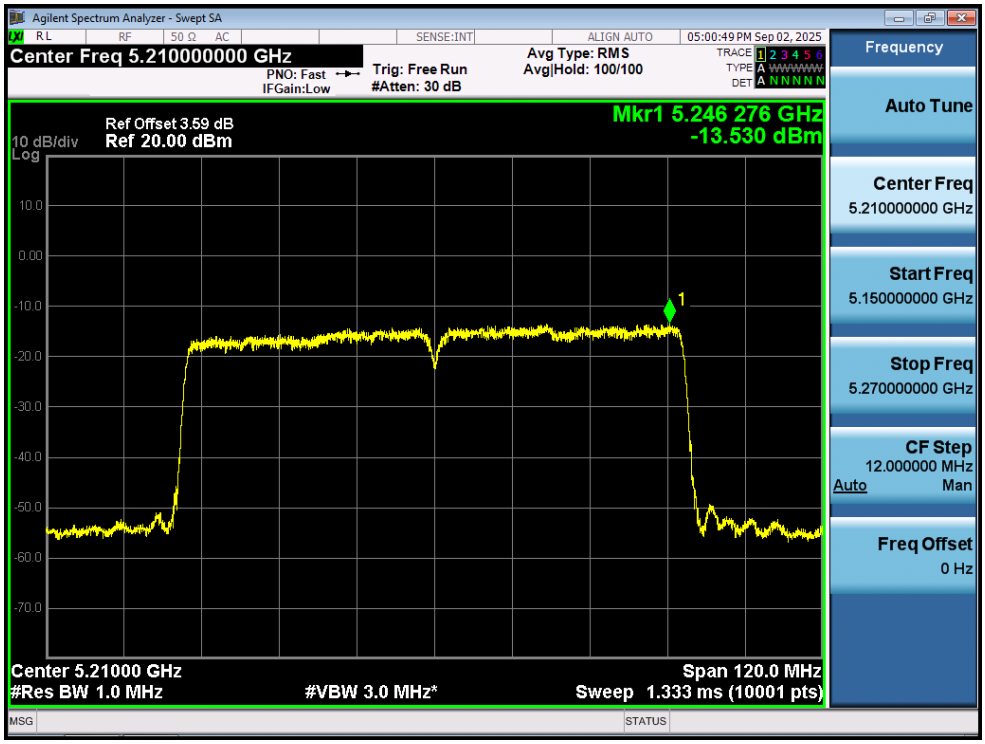
PSD NVNT ac20 5240MHz AntB



PSD NVNT ac40 5190MHz AntB

PSD NVNT ac40 5230MHz AntB

PSD NVNT ac80 5210MHz AntB



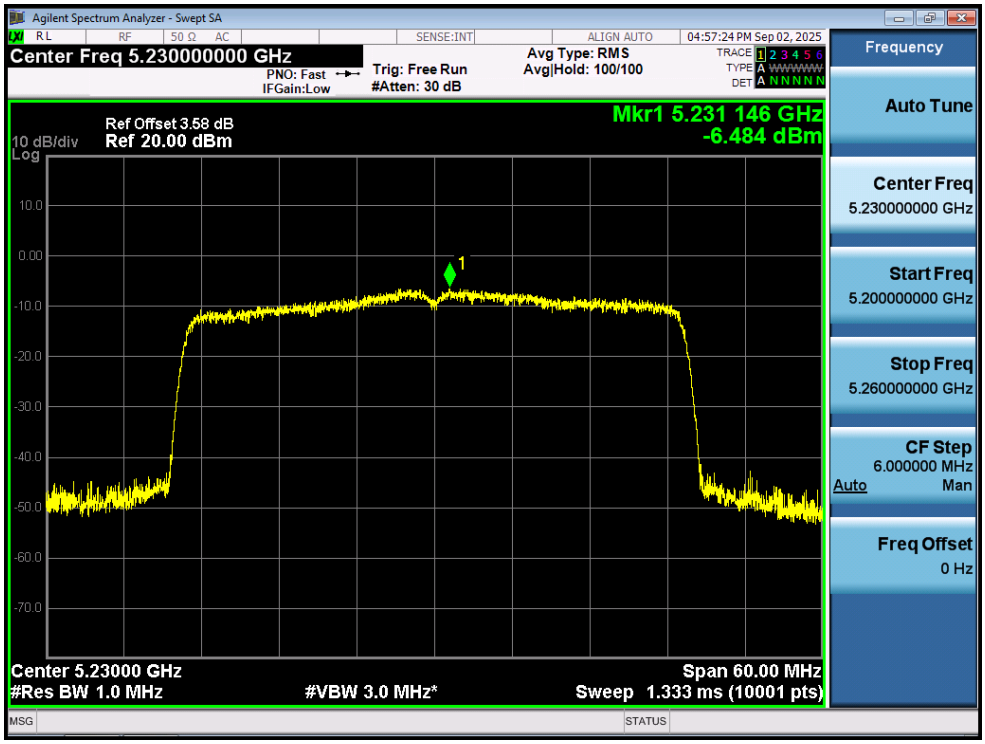
PSD NVNT ax20 5180MHz AntB

PSD NVNT ax20 5200MHz AntB

PSD NVNT ax20 5240MHz AntB

PSD NVNT ax40 5190MHz AntB

PSD NVNT ax40 5230MHz AntB



PSD NVNT ax80 5210MHz AntB

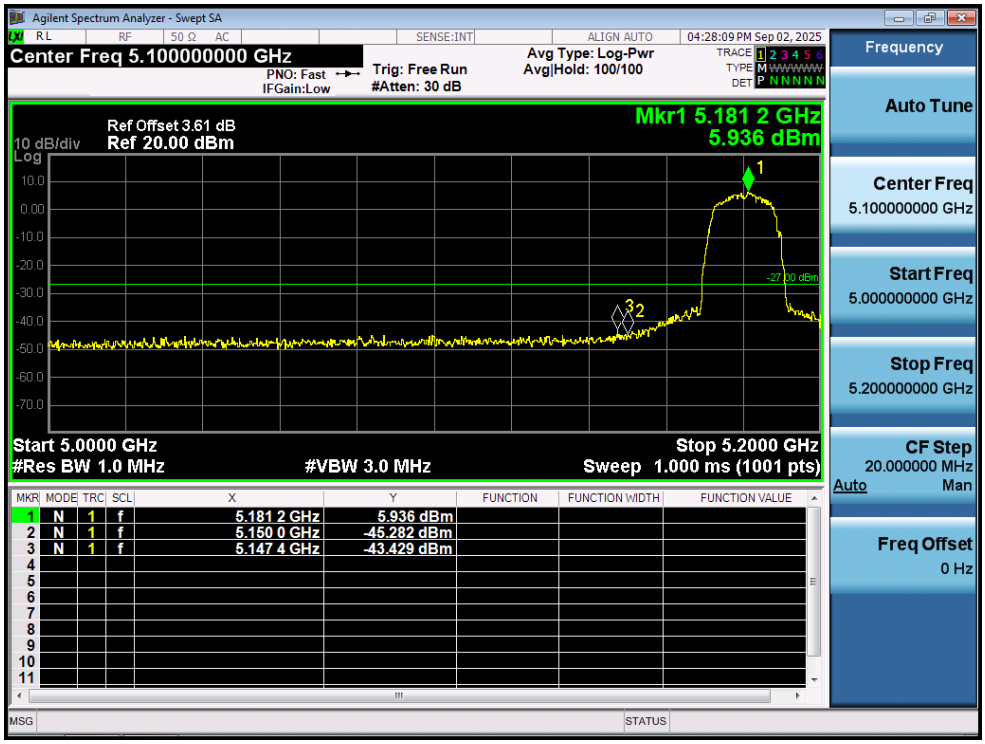
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Antenna gain(dBi)	Max eirp Value (dBm)	eirp Limit (dBm)	Verdict
NVNT	a	5180	AntB	-43.42	1.90	-41.52	-27	Pass
NVNT	a	5240	AntB	-44.41	1.90	-42.51	-27	Pass
NVNT	n20	5180	AntB	-43.47	1.90	-41.57	-27	Pass
NVNT	n20	5240	AntB	-45.36	1.90	-43.46	-27	Pass
NVNT	n40	5190	AntB	-34.3	1.90	-32.4	-27	Pass
NVNT	n40	5230	AntB	-45.04	1.90	-43.14	-27	Pass
NVNT	ac20	5180	AntB	-43.29	1.90	-41.39	-27	Pass
NVNT	ac20	5240	AntB	-45.37	1.90	-43.47	-27	Pass
NVNT	ac40	5190	AntB	-36.3	1.90	-34.4	-27	Pass
NVNT	ac40	5230	AntB	-44.88	1.90	-42.98	-27	Pass
NVNT	ac80	5210	AntB	-43.5	1.90	-41.6	-27	Pass
NVNT	ac80	5210	AntB	-43.74	1.90	-41.84	-27	Pass
NVNT	ax20	5180	AntB	-44.19	1.90	-42.29	-27	Pass
NVNT	ax20	5240	AntB	-45.51	1.90	-43.61	-27	Pass
NVNT	ax40	5190	AntB	-36.61	1.90	-34.71	-27	Pass
NVNT	ax40	5230	AntB	-45.89	1.90	-43.99	-27	Pass
NVNT	ax80	5210	AntB	-44.11	1.90	-42.21	-27	Pass
NVNT	ax80	5210	AntB	-44.52	1.90	-42.62	-27	Pass

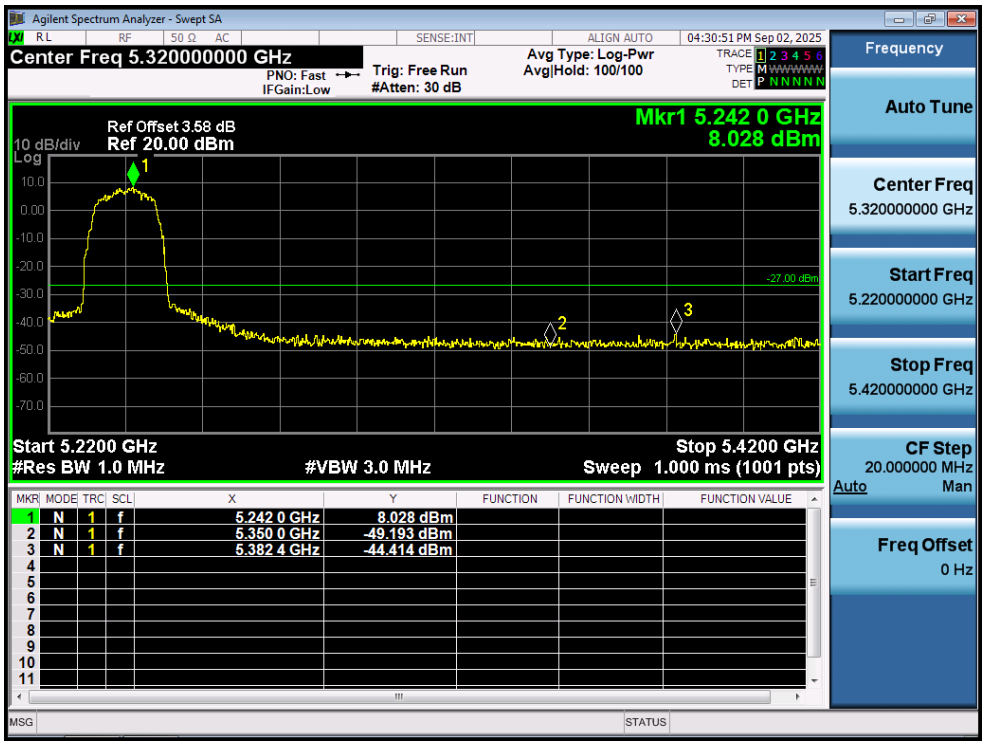
Note: Max eirp Value (dBm)= Max Value (dBm)+ Antenna gain(dBi), Antenna gain(dBi)=1.90dBi

Test Graphs

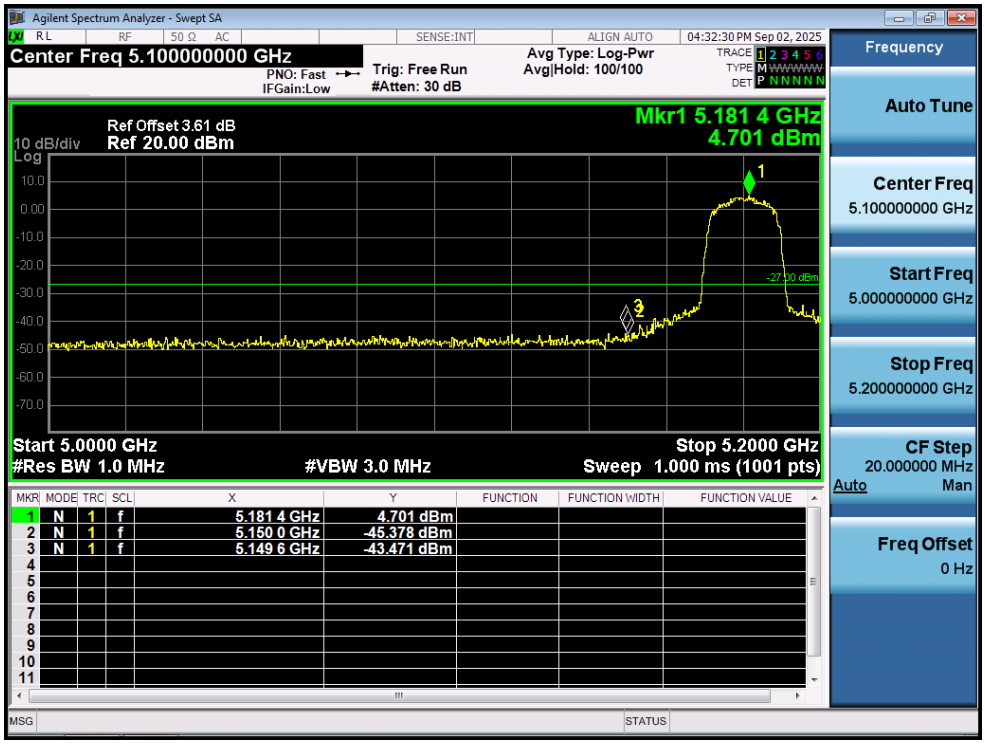
Band Edge NVNT a 5180MHz Low AntB



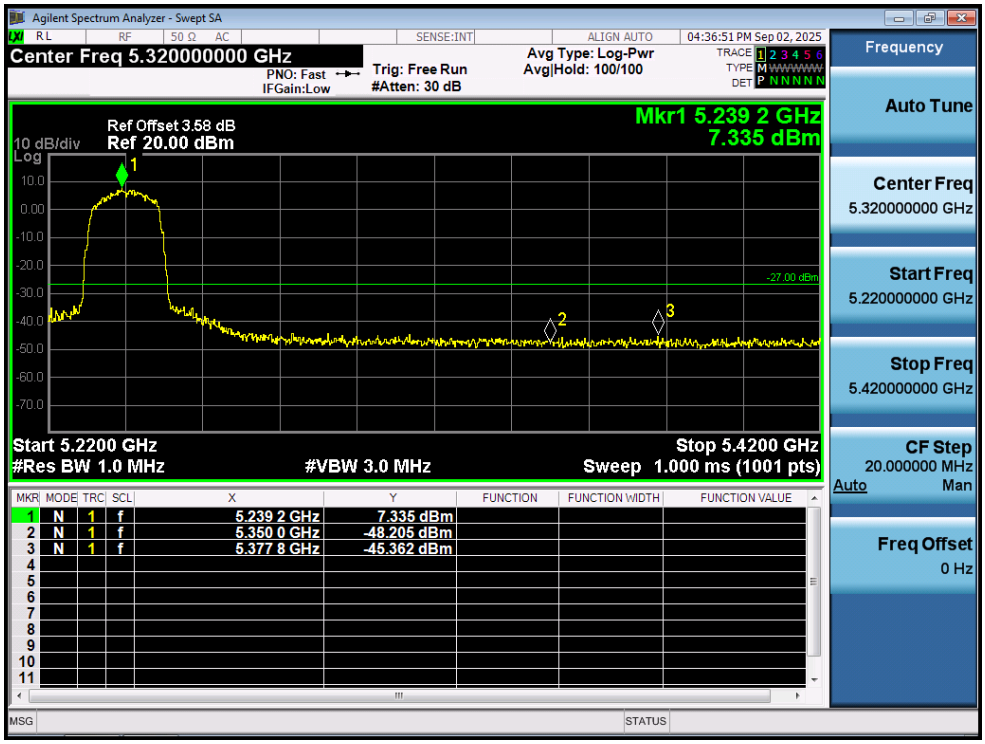
Band Edge NVNT a 5240MHz High AntB



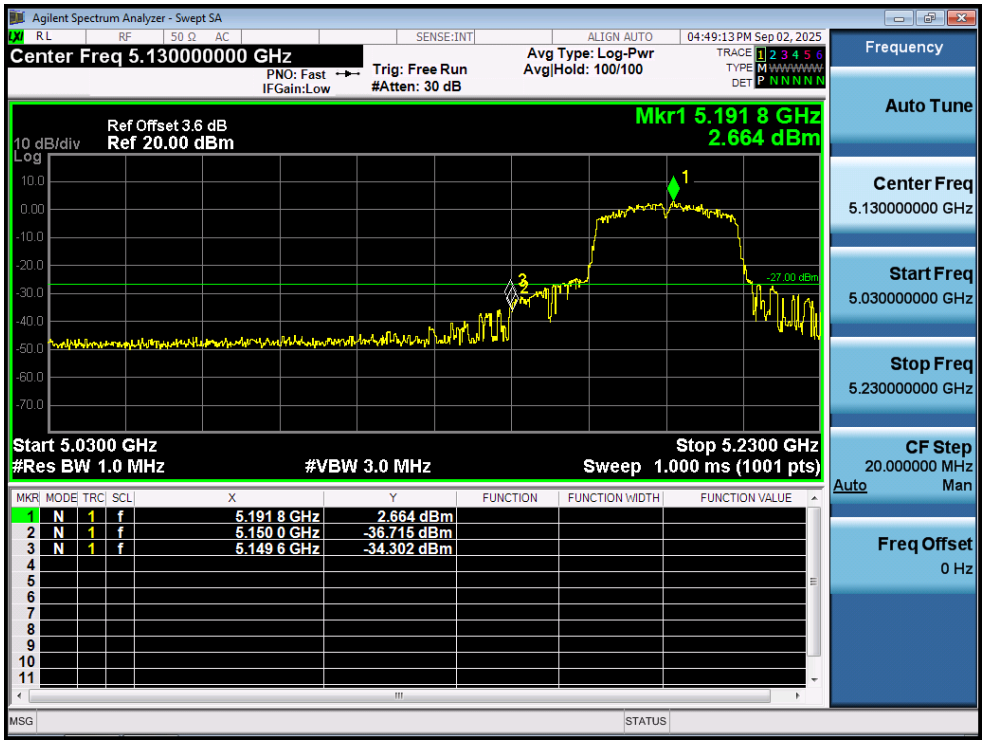
Band Edge NVNT n20 5180MHz Low AntB



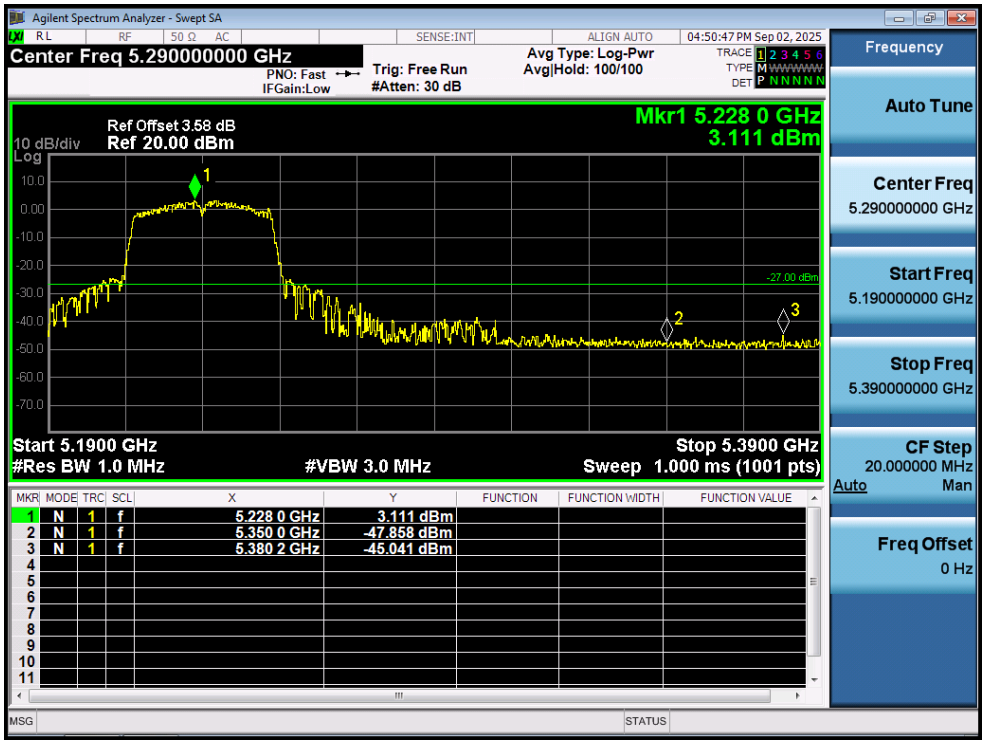
Band Edge NVNT n20 5240MHz High AntB



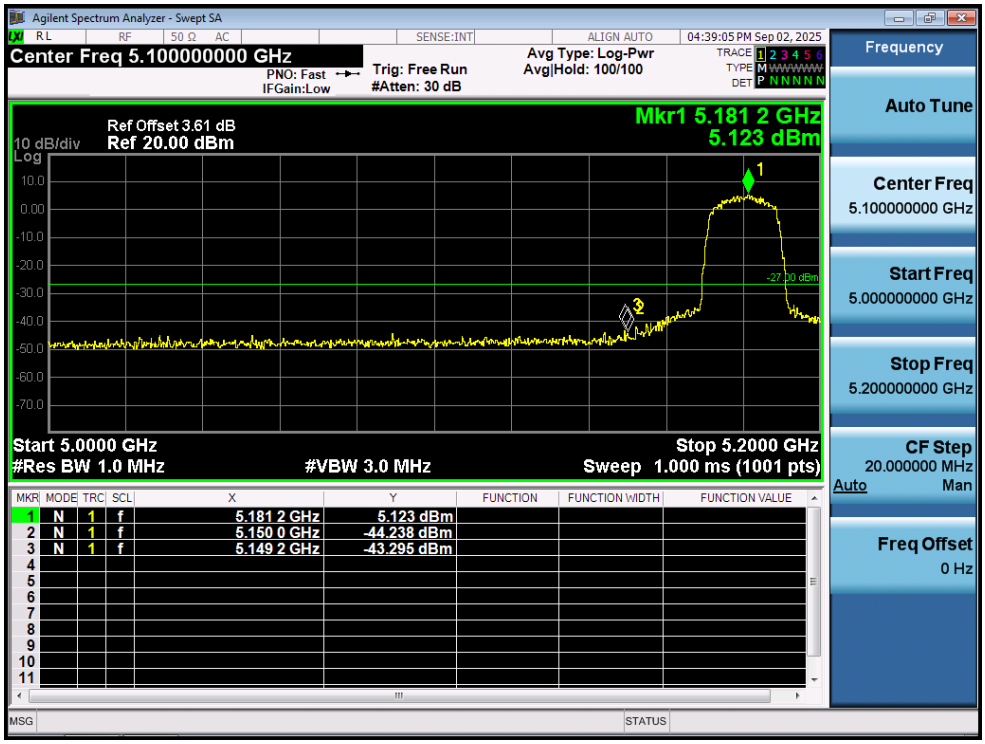
Band Edge NVNT n40 5190MHz Low AntB



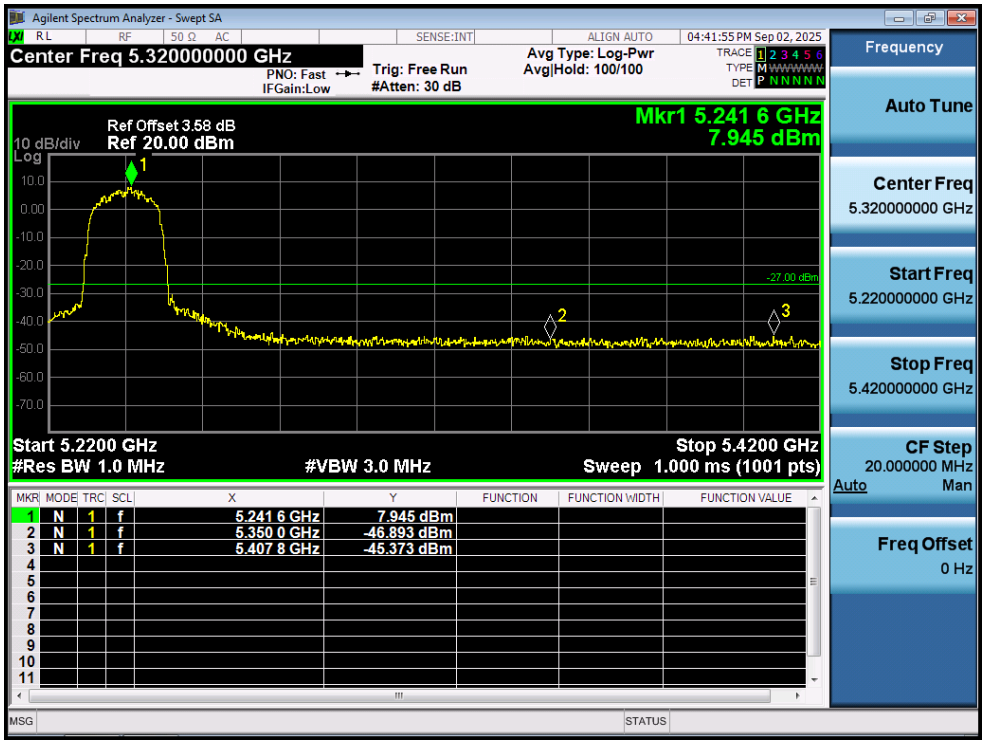
Band Edge NVNT n40 5230MHz High AntB



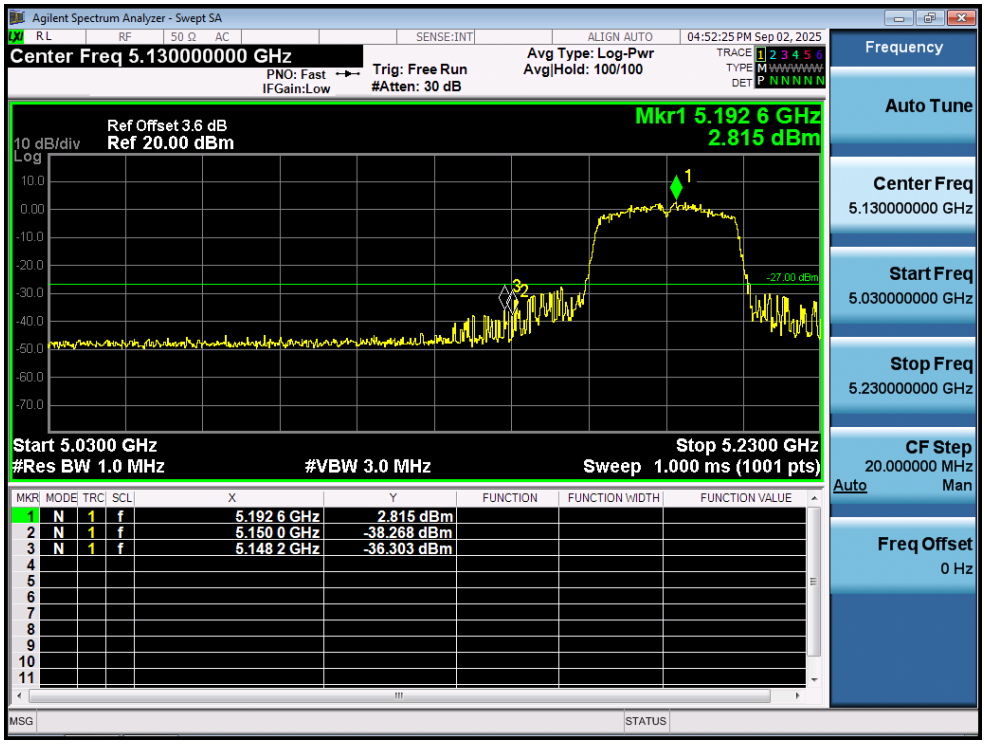
Band Edge NVNT ac20 5180MHz Low AntB



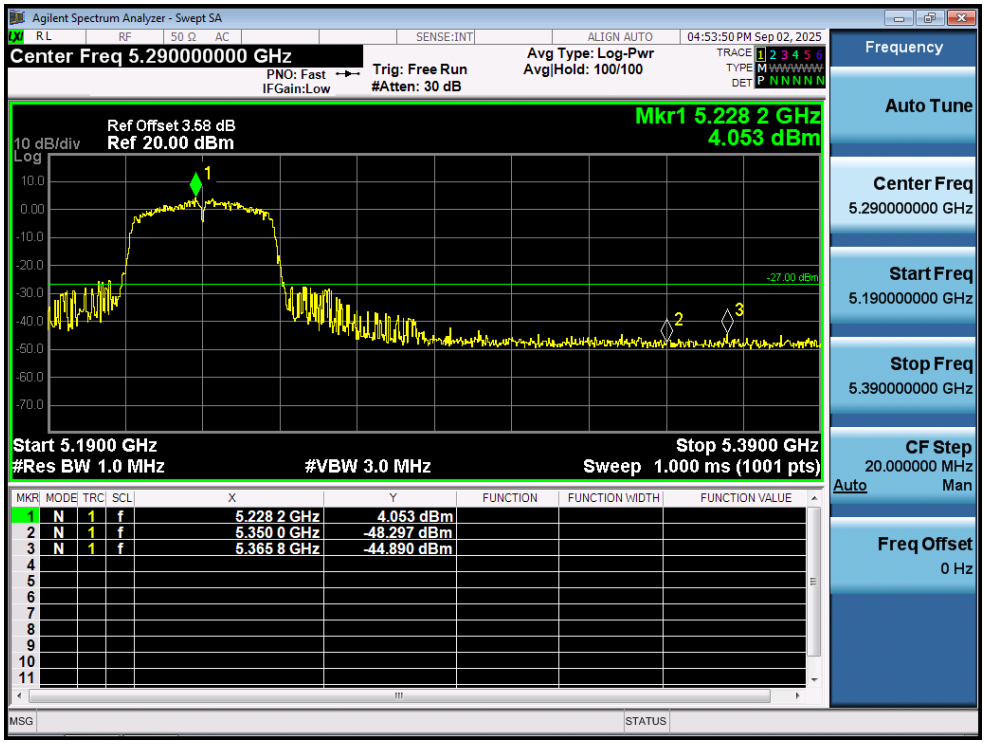
Band Edge NVNT ac20 5240MHz High AntB



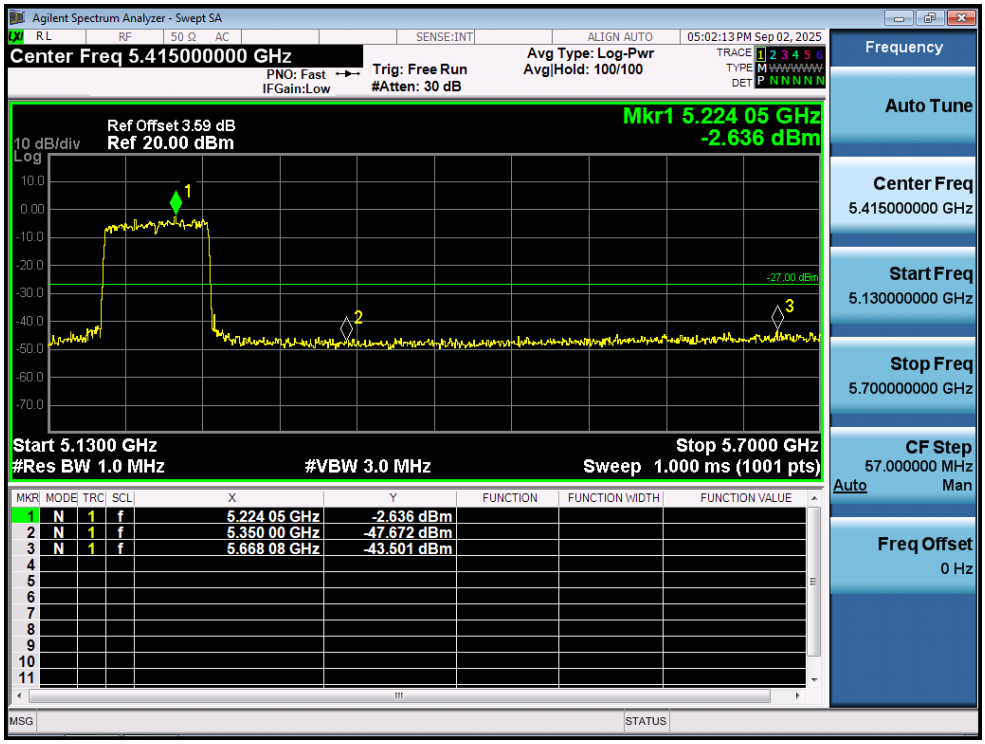
Band Edge NVNT ac40 5190MHz Low AntB



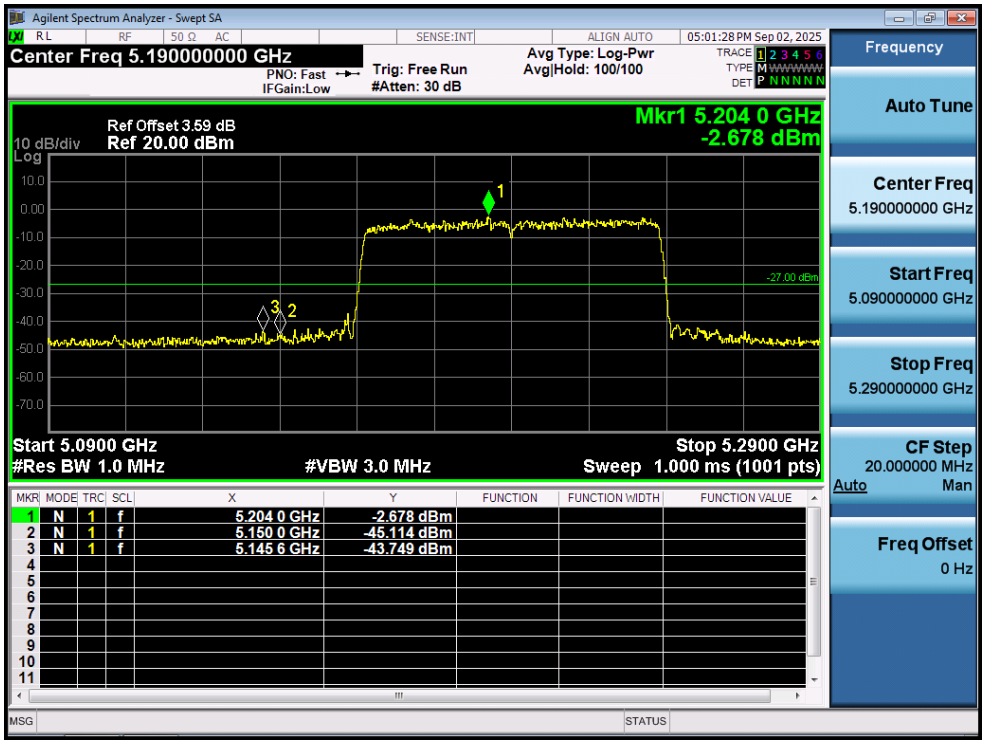
Band Edge NVNT ac40 5230MHz High AntB



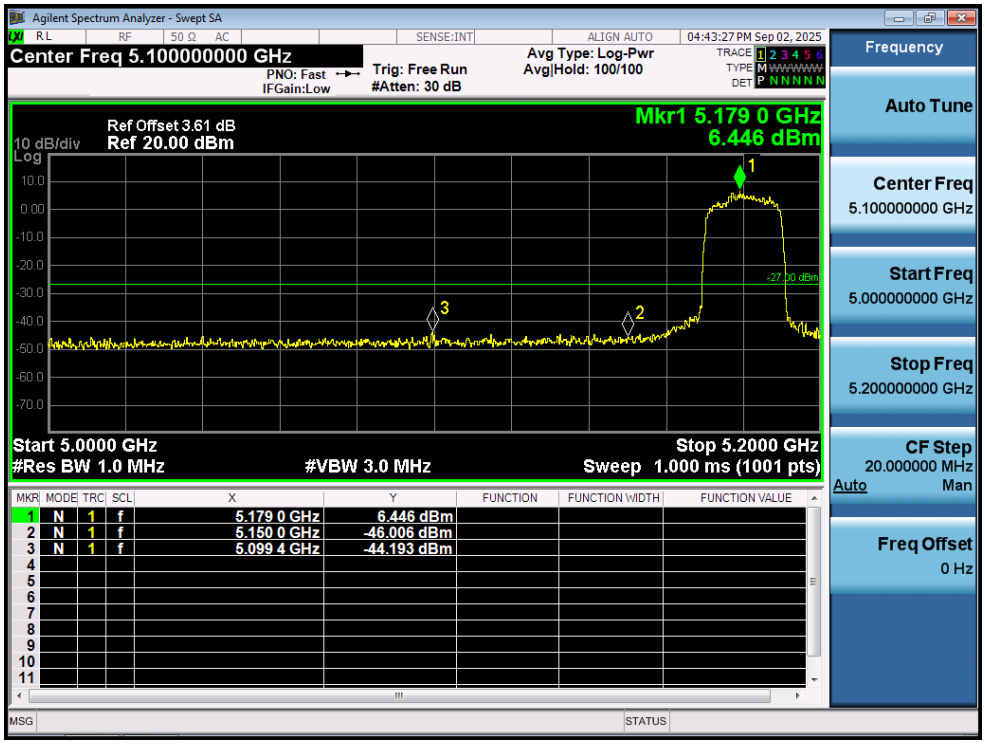
Band Edge NVNT ac80 5210MHz High AntB



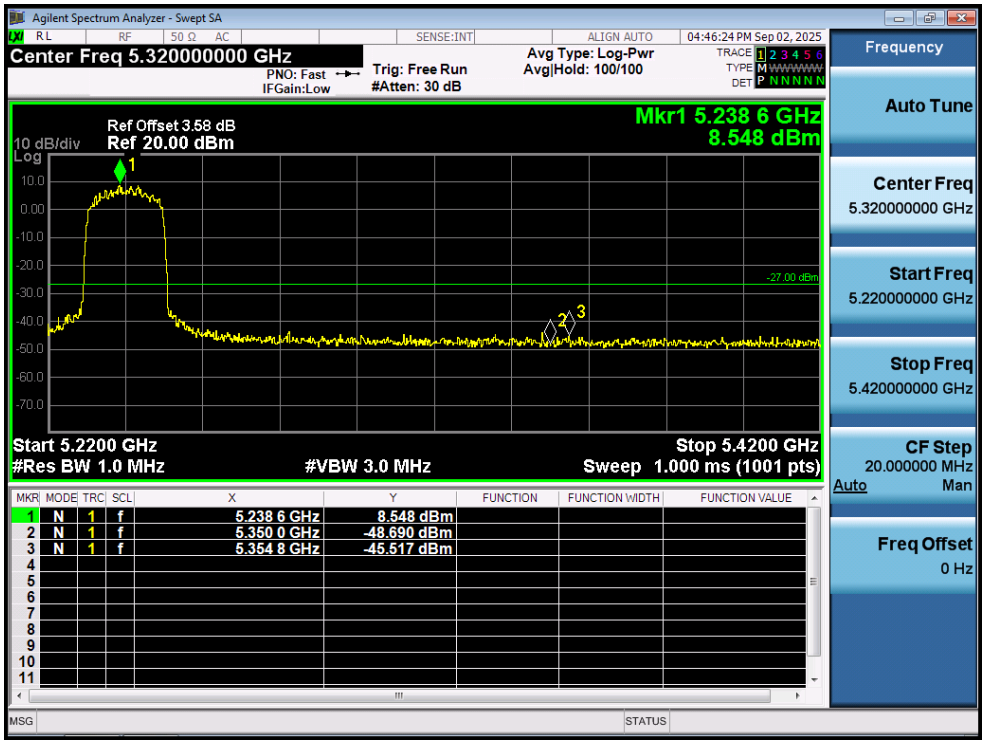
Band Edge NVNT ac80 5210MHz Low AntB



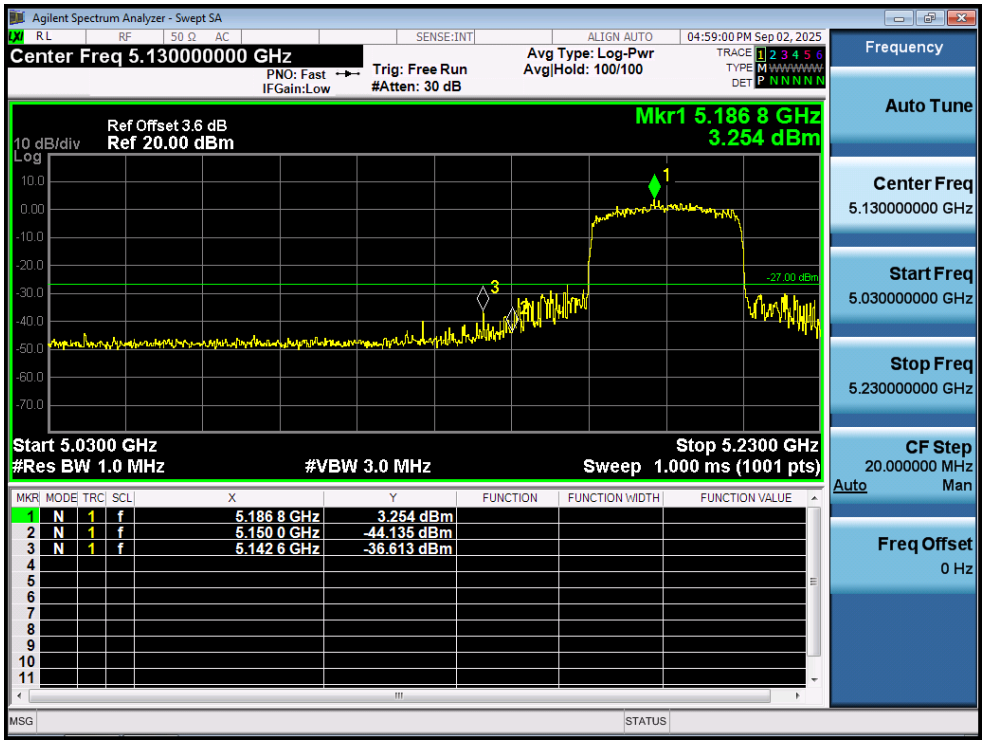
Band Edge NVNT ax20 5180MHz Low AntB



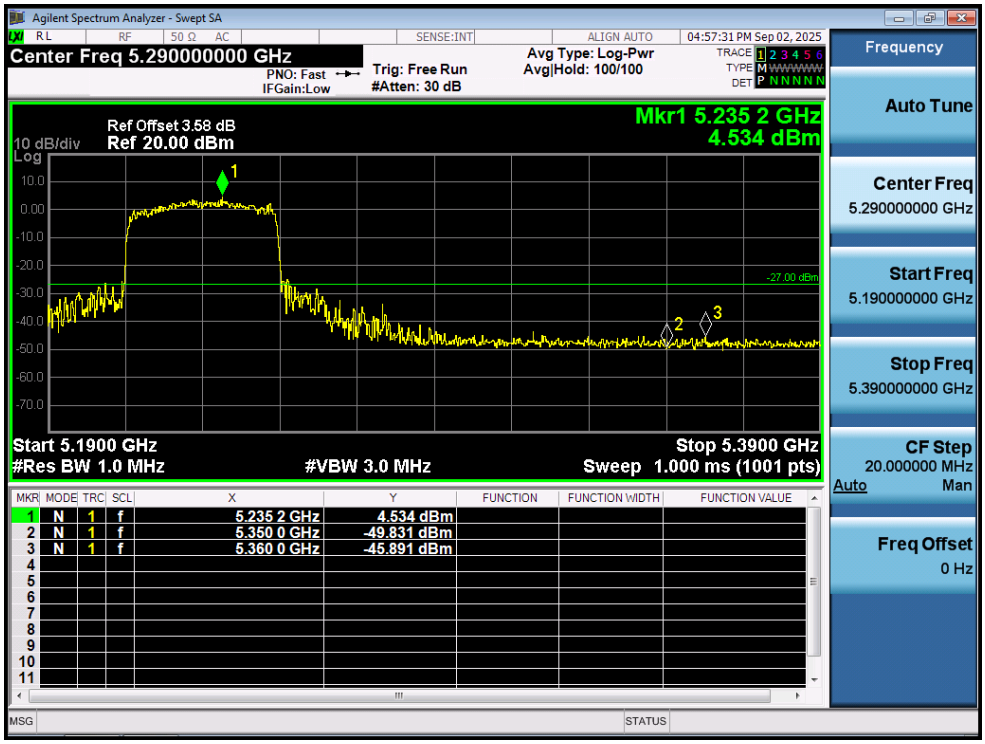
Band Edge NVNT ax20 5240MHz High AntB



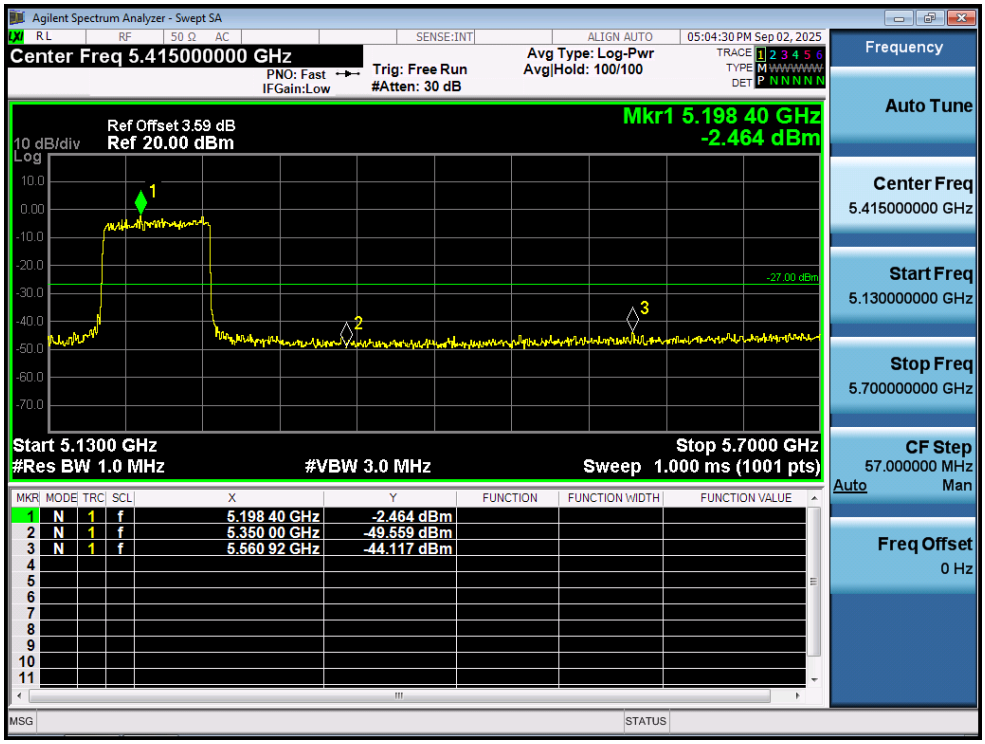
Band Edge NVNT ax40 5190MHz Low AntB



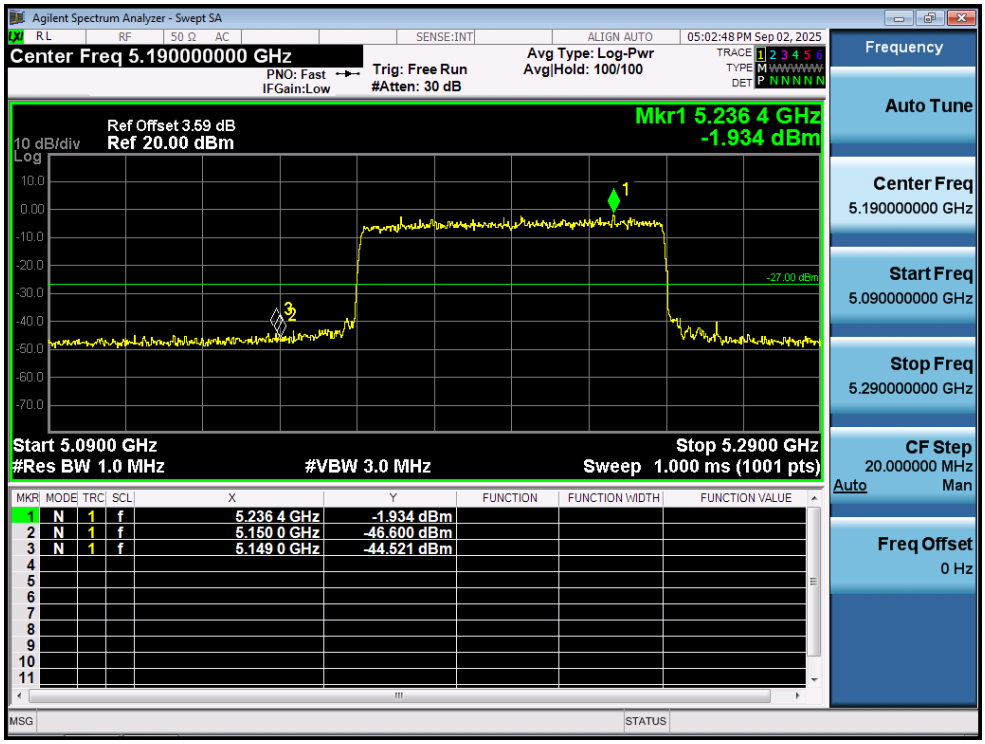
Band Edge NVNT ax40 5230MHz High AntB



Band Edge NVNT ax80 5210MHz High AntB



Band Edge NVNT ax80 5210MHz Low AntB



Conducted RF Spurious Emission

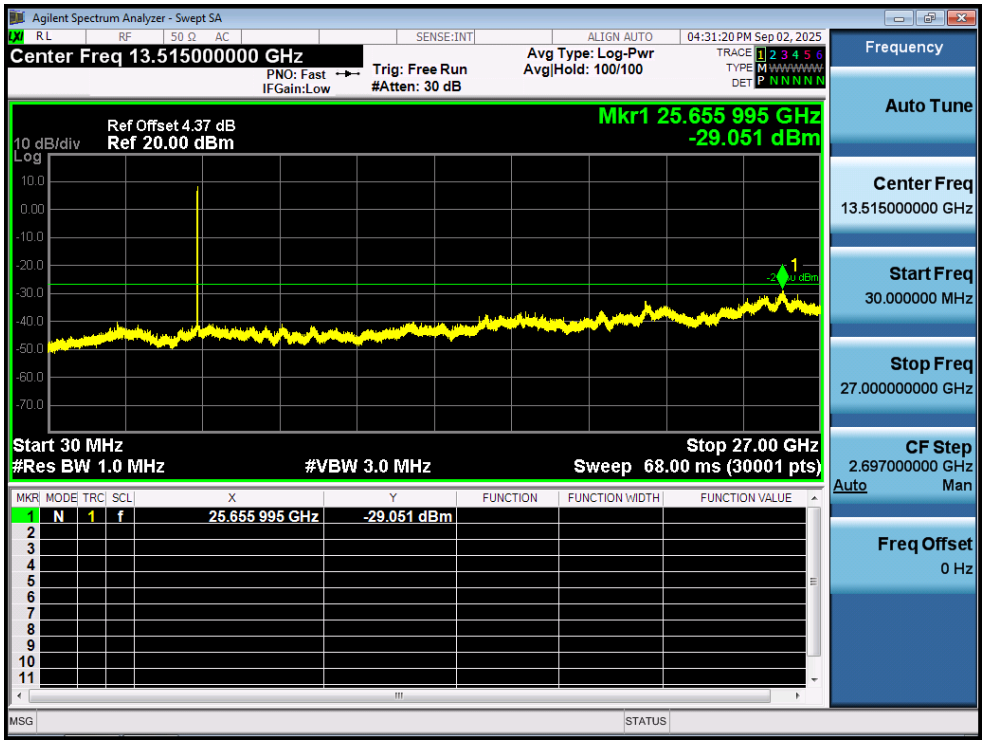
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Antenna gain(dBi)	Max eirp Value (dBm)	eirp Limit (dBm)	Verdict
NVNT	a	5180	AntB	-29.47	1.90	-27.57	-27	Pass
NVNT	a	5200	AntB	-29.19	1.90	-27.29	-27	Pass
NVNT	a	5240	AntB	-29.05	1.90	-27.15	-27	Pass
NVNT	n20	5180	AntB	-29.31	1.90	-27.41	-27	Pass
NVNT	n20	5200	AntB	-29.08	1.90	-27.18	-27	Pass
NVNT	n20	5240	AntB	-28.93	1.90	-27.03	-27	Pass
NVNT	n40	5190	AntB	-28.96	1.90	-27.06	-27	Pass
NVNT	n40	5230	AntB	-29.24	1.90	-27.34	-27	Pass
NVNT	ac20	5180	AntB	-29.17	1.90	-27.27	-27	Pass
NVNT	ac20	5200	AntB	-29.35	1.90	-27.45	-27	Pass
NVNT	ac20	5240	AntB	-29.49	1.90	-27.59	-27	Pass
NVNT	ac40	5190	AntB	-29.34	1.90	-27.44	-27	Pass
NVNT	ac40	5230	AntB	-29.03	1.90	-27.13	-27	Pass
NVNT	ac80	5210	AntB	-29.04	1.90	-27.14	-27	Pass
NVNT	ax20	5180	AntB	-29.24	1.90	-27.34	-27	Pass
NVNT	ax20	5200	AntB	-29.34	1.90	-27.44	-27	Pass
NVNT	ax20	5240	AntB	-29.55	1.90	-27.65	-27	Pass
NVNT	ax40	5190	AntB	-29.64	1.90	-27.74	-27	Pass
NVNT	ax40	5230	AntB	-29.02	1.90	-27.12	-27	Pass
NVNT	ax80	5210	AntB	-29.63	1.90	-27.73	-27	Pass

Note: Max eirp Value (dBm)= Max Value (dBm)+ Antenna gain(dBi), Antenna gain(dBi)=1.90dBi

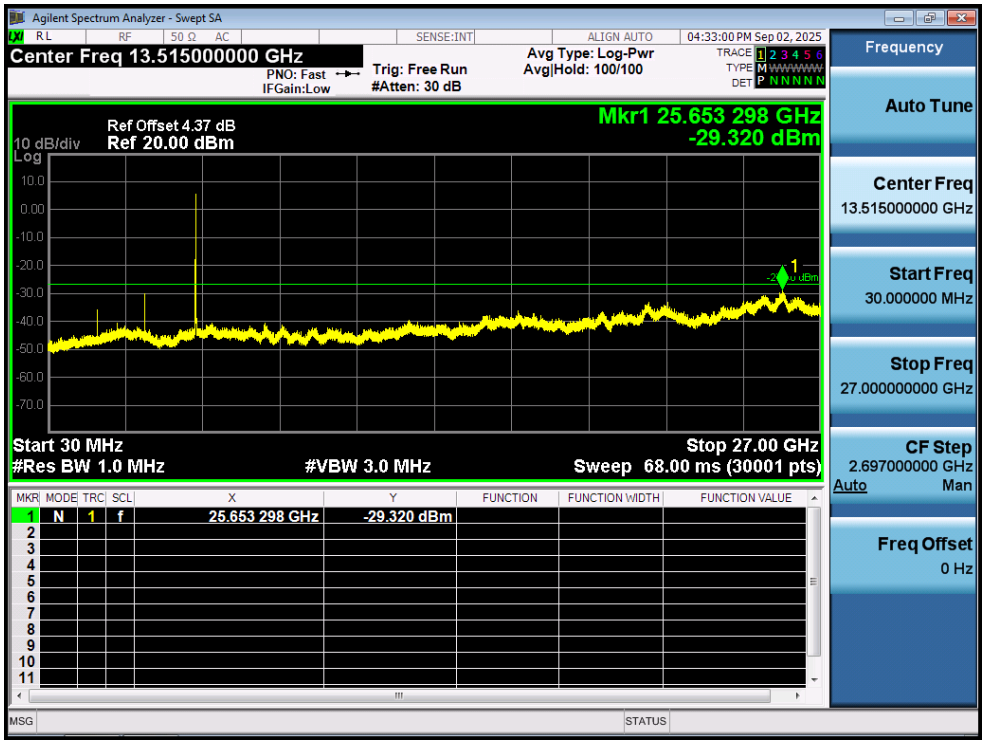
Test Graphs
Tx. Spurious NVNT a 5180MHz AntB Emission

Tx. Spurious NVNT a 5200MHz AntB Emission

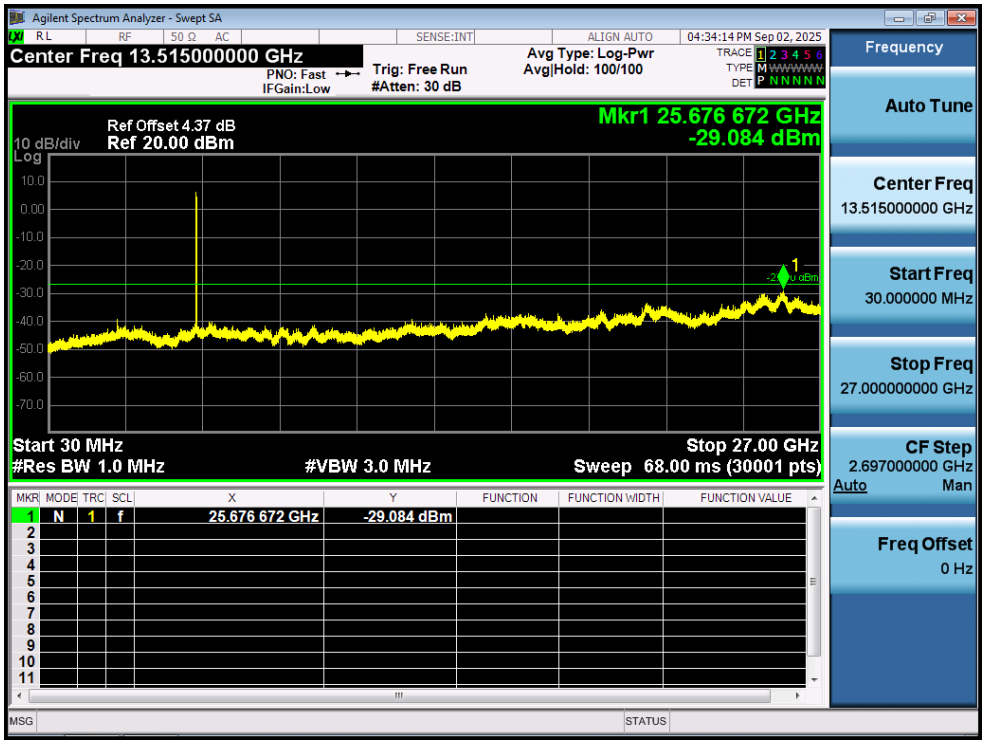
Tx. Spurious NVNT a 5240MHz AntB Emission



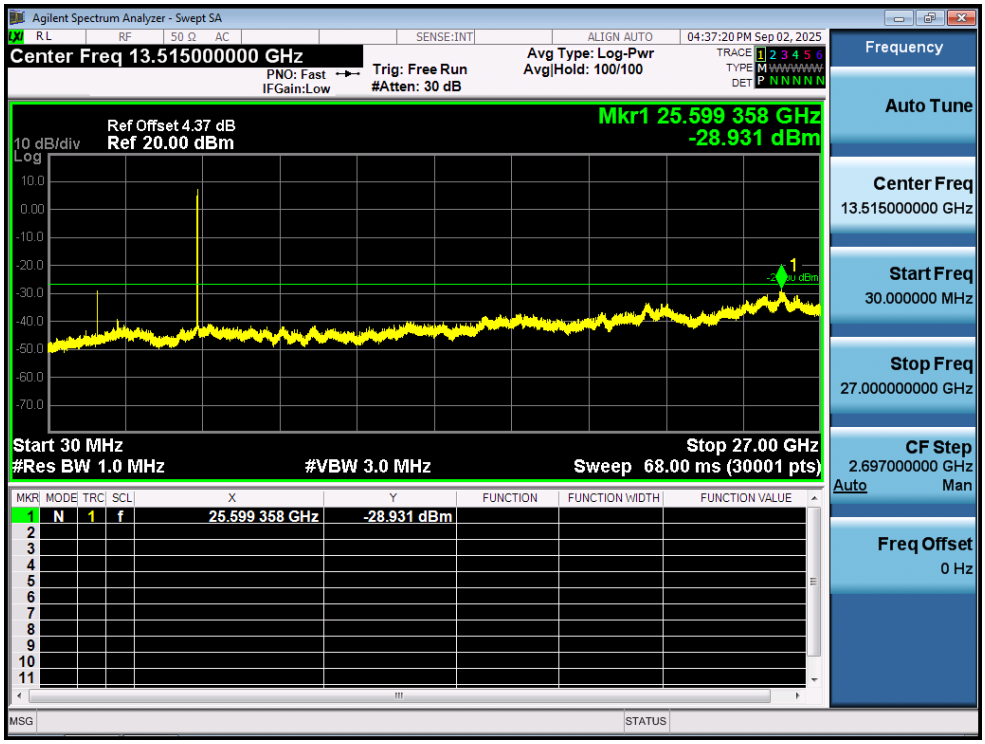
Tx. Spurious NVNT n20 5180MHz AntB Emission



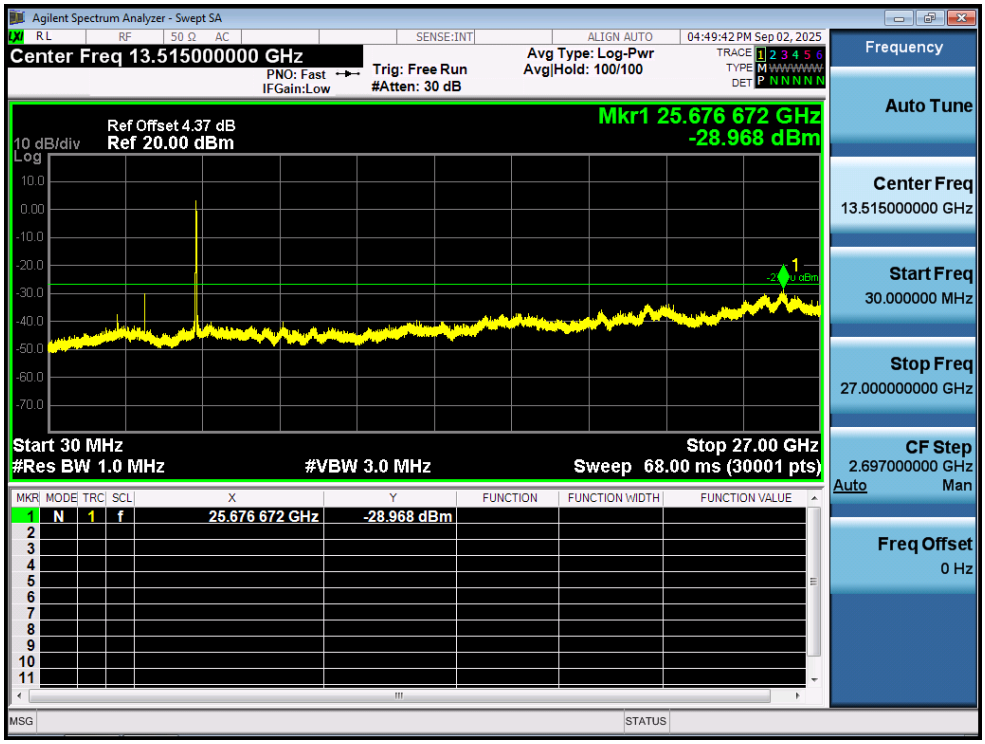
Tx. Spurious NVNT n20 5200MHz AntB Emission



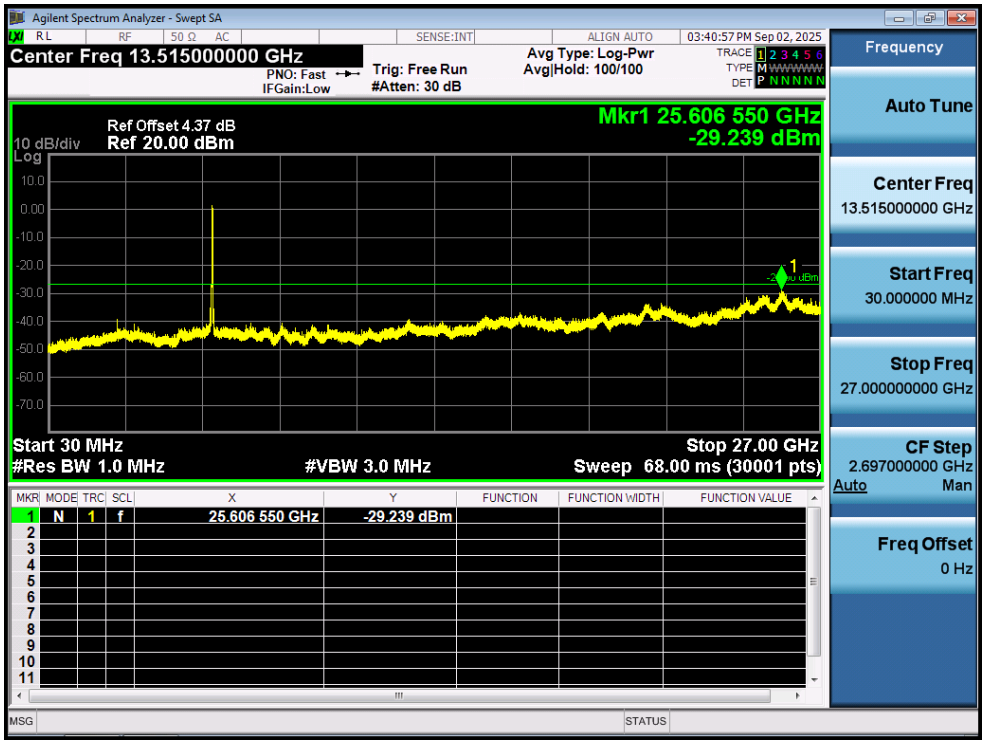
Tx. Spurious NVNT n20 5240MHz AntB Emission



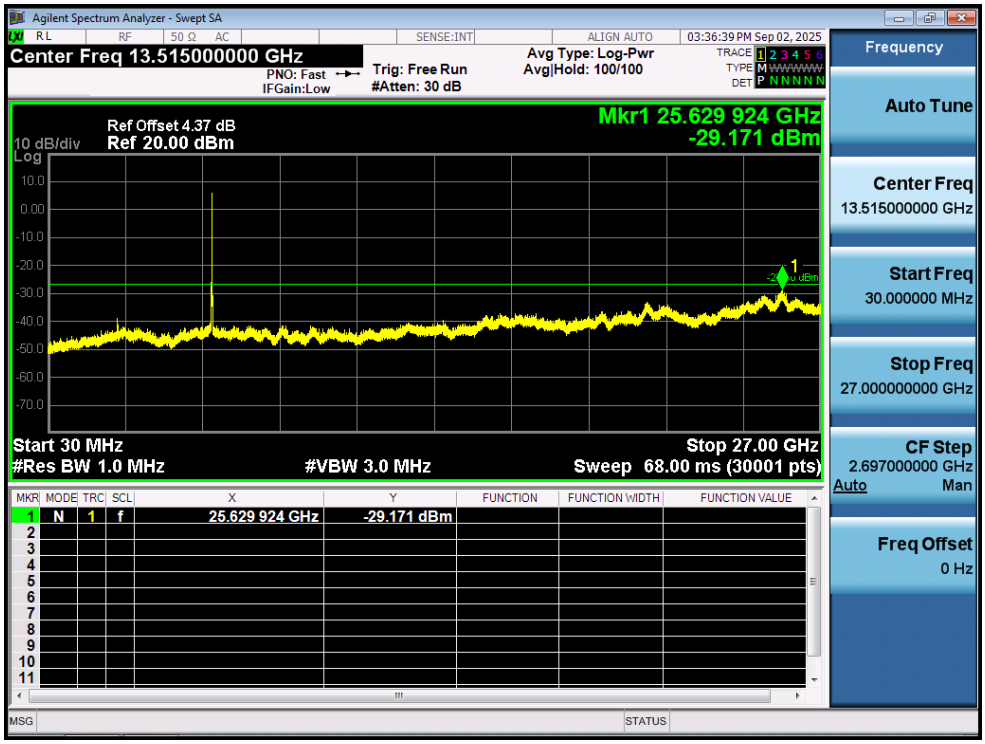
Tx. Spurious NVNT n40 5190MHz AntB Emission



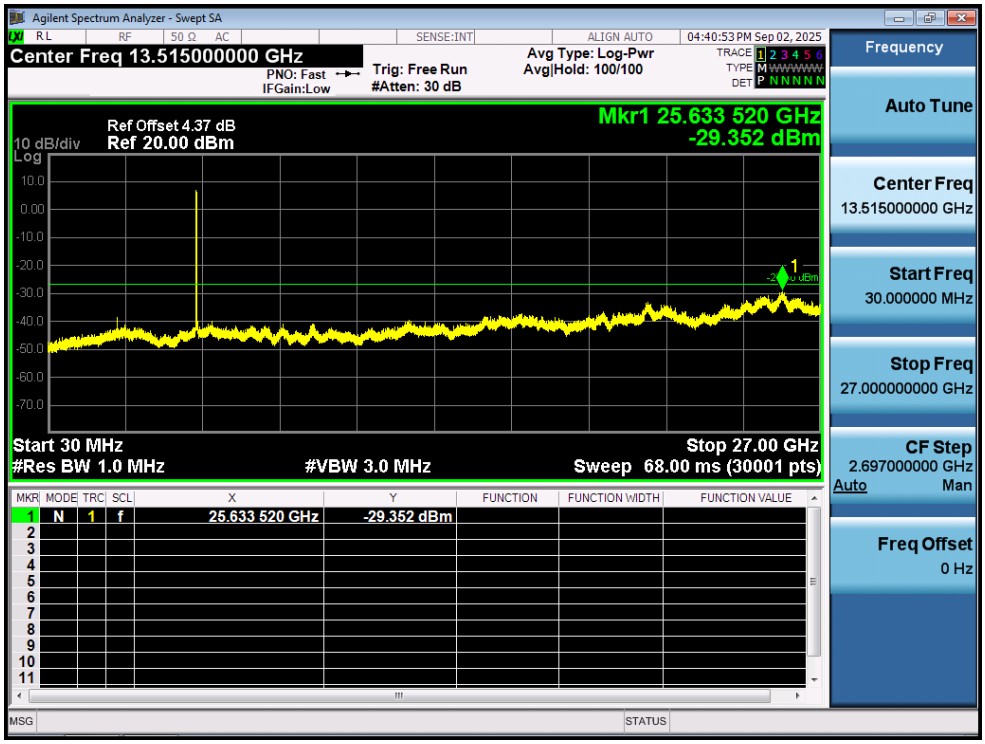
Tx. Spurious NVNT n40 5230MHz AntB Emission



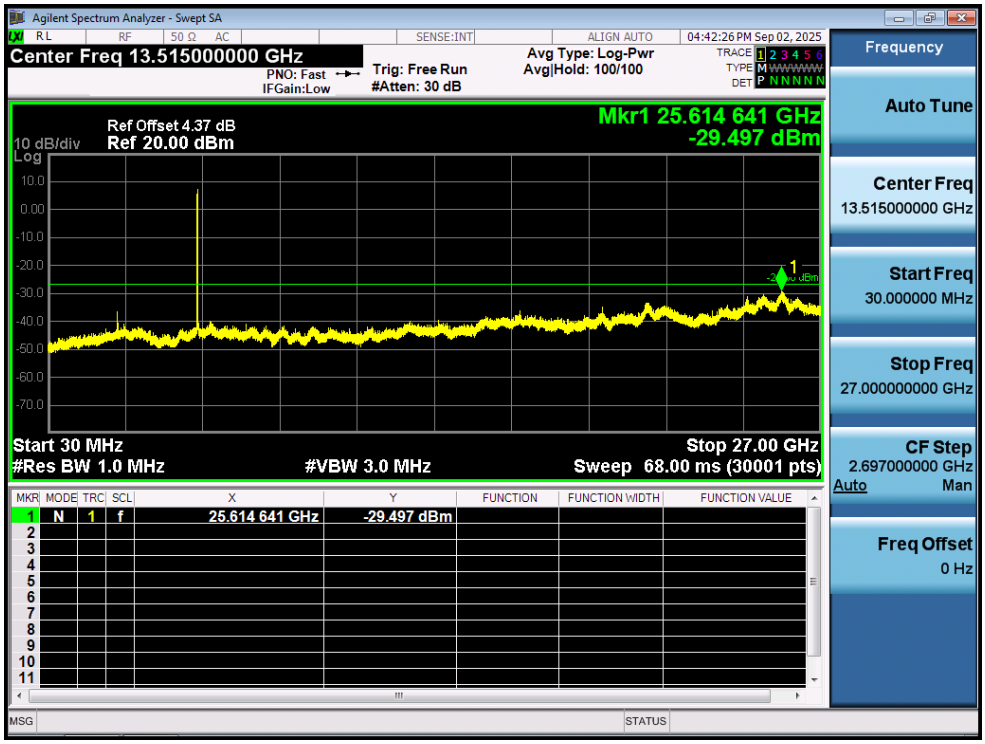
Tx. Spurious NVNT ac20 5180MHz AntB Emission



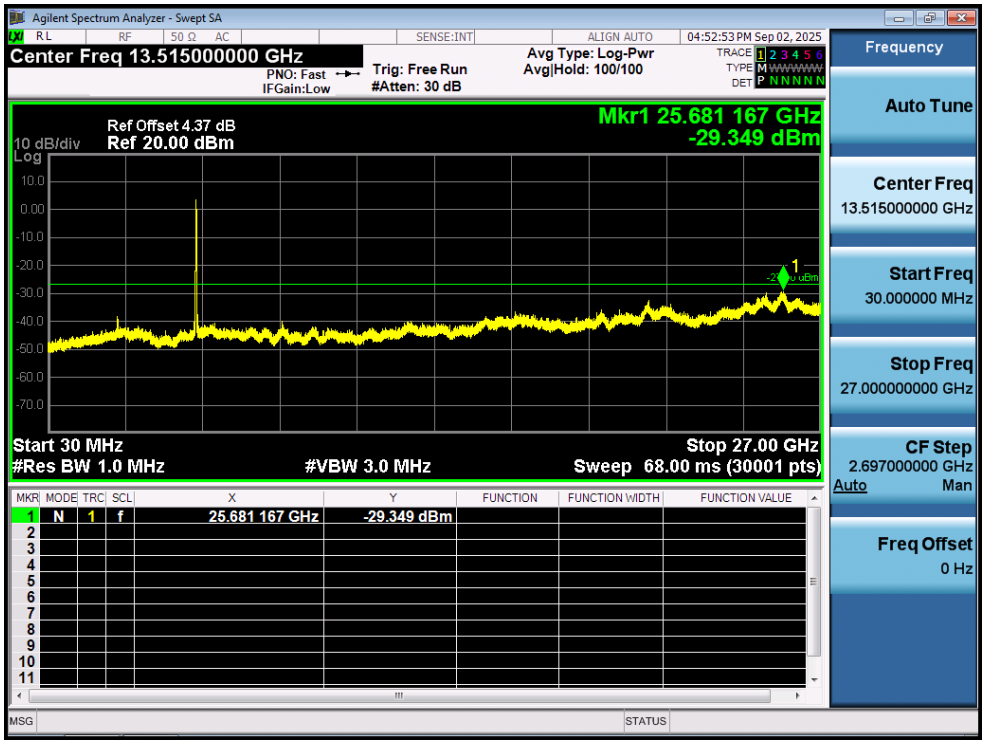
Tx. Spurious NVNT ac20 5200MHz AntB Emission



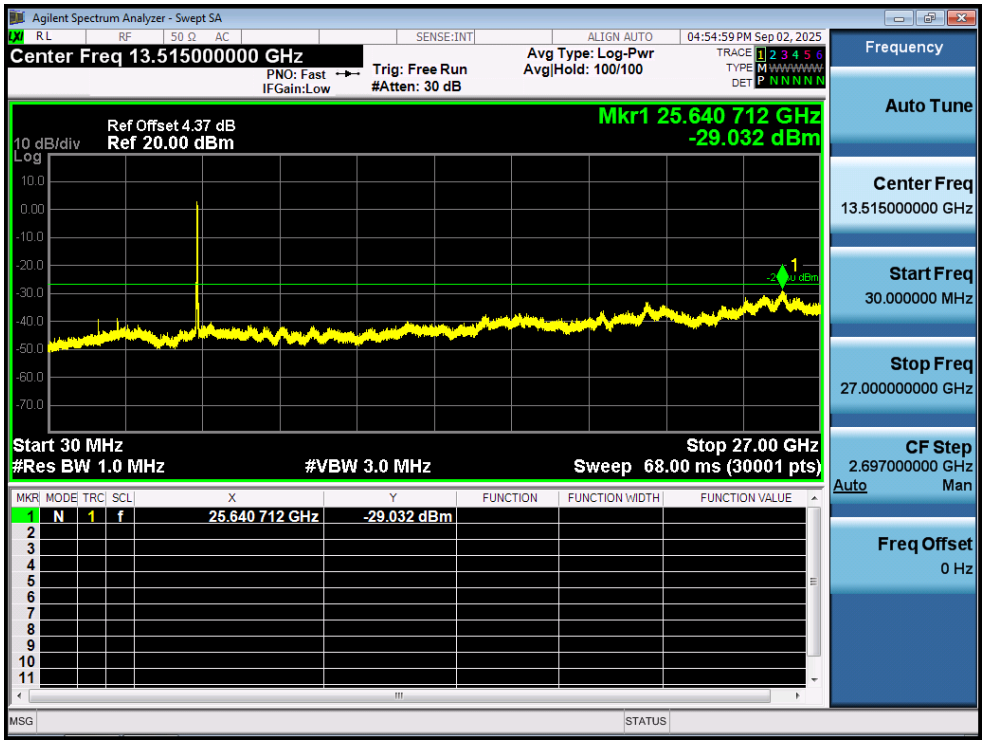
Tx. Spurious NVNT ac20 5240MHz AntB Emission



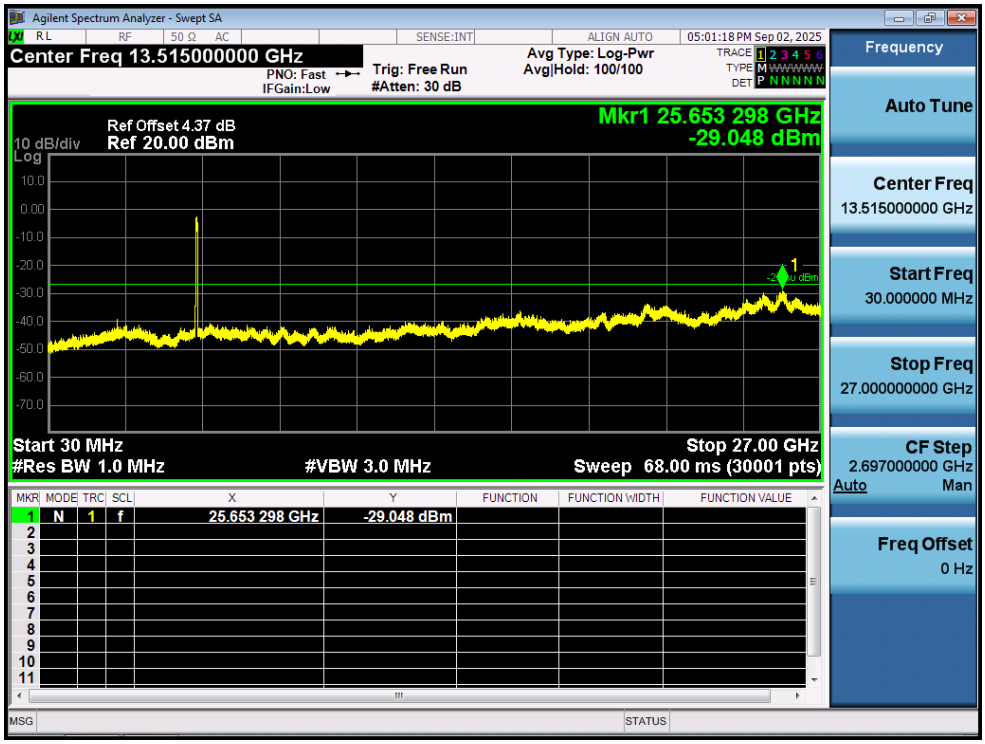
Tx. Spurious NVNT ac40 5190MHz AntB Emission



Tx. Spurious NVNT ac40 5230MHz AntB Emission



Tx. Spurious NVNT ac80 5210MHz AntB Emission



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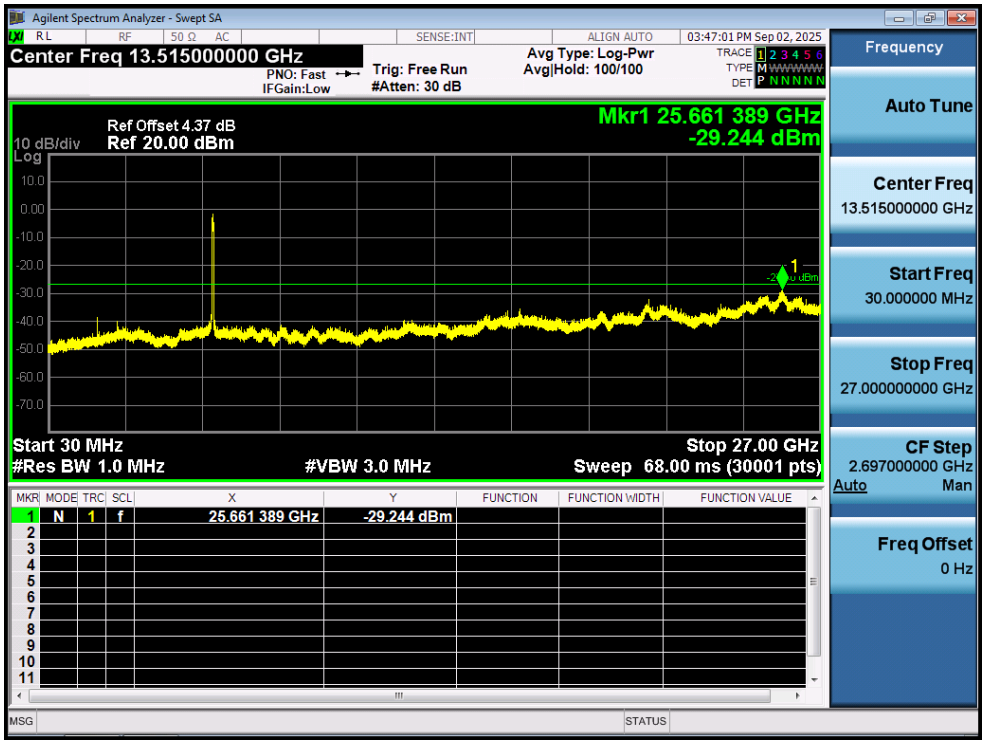
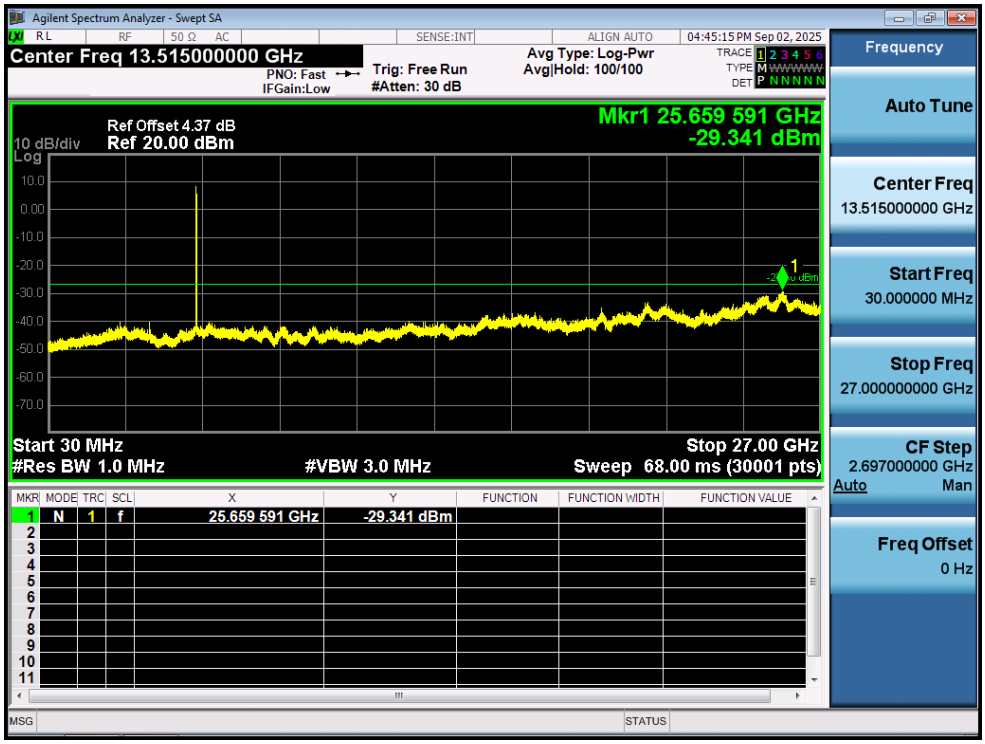


Tx. Spurious NVNT ax20 5200MHz AntB Emission



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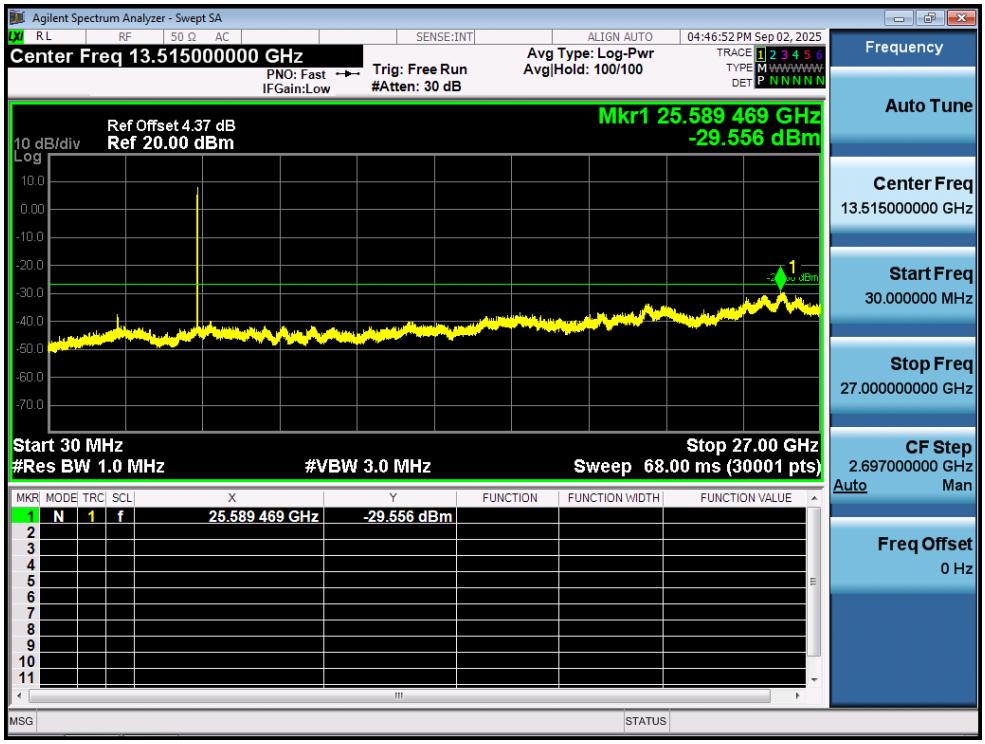
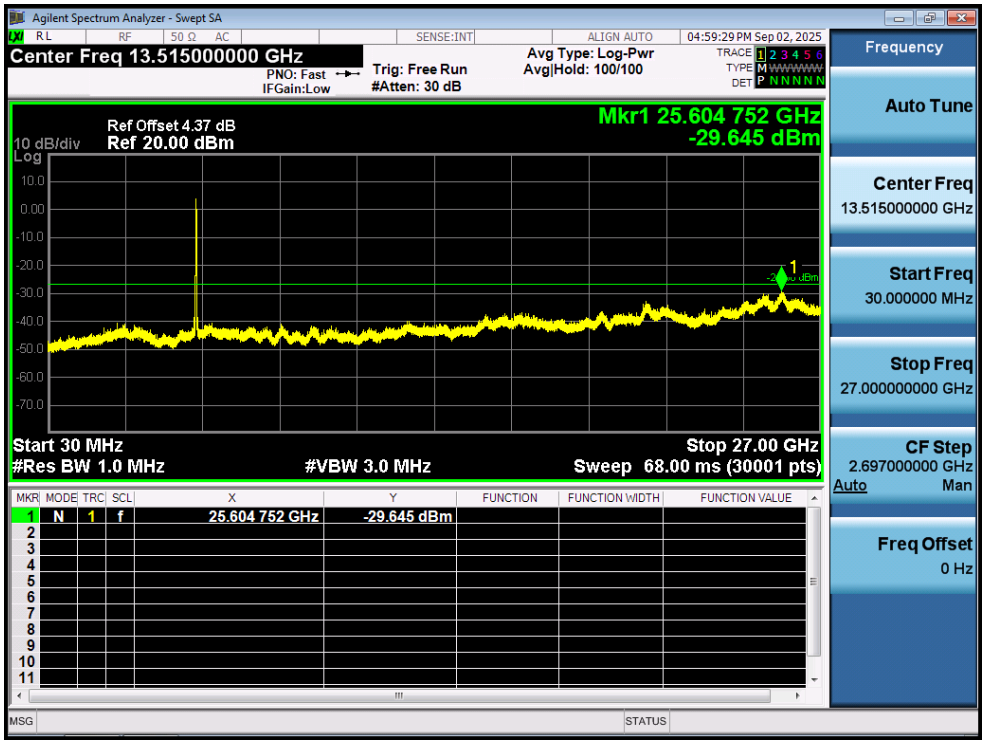
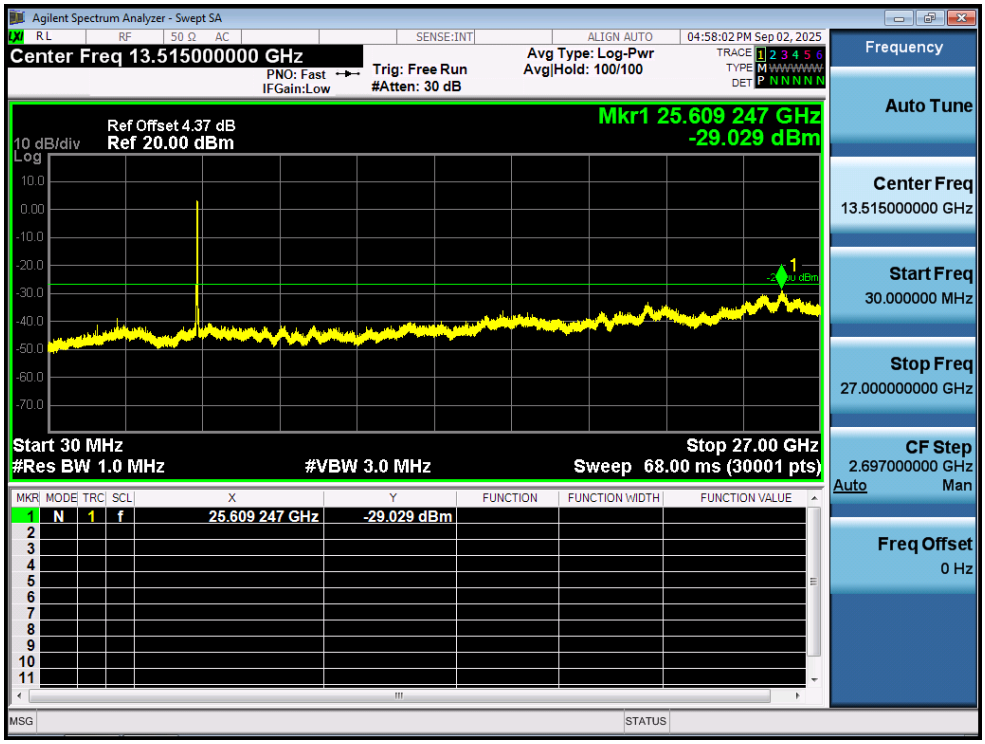


Tx. Spurious NVNT ax40 5190MHz AntB Emission



Tx. Spurious NVNT ax40 5230MHz AntB Emission



Tx. Spurious NVNT ax80 5210MHz AntB Emission