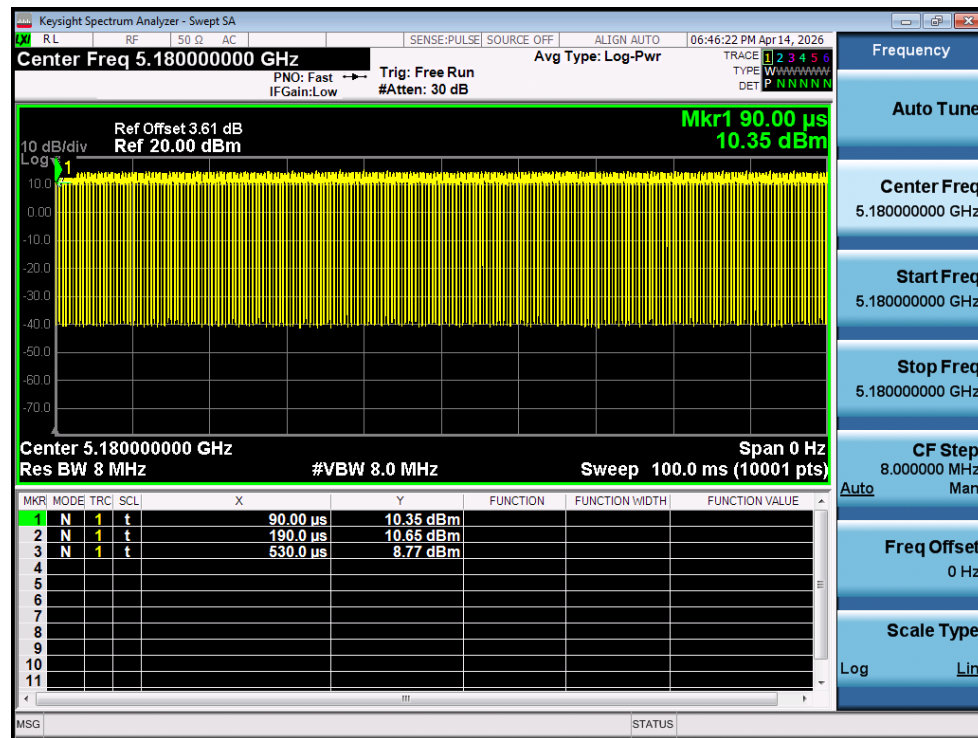


Duty Cycle

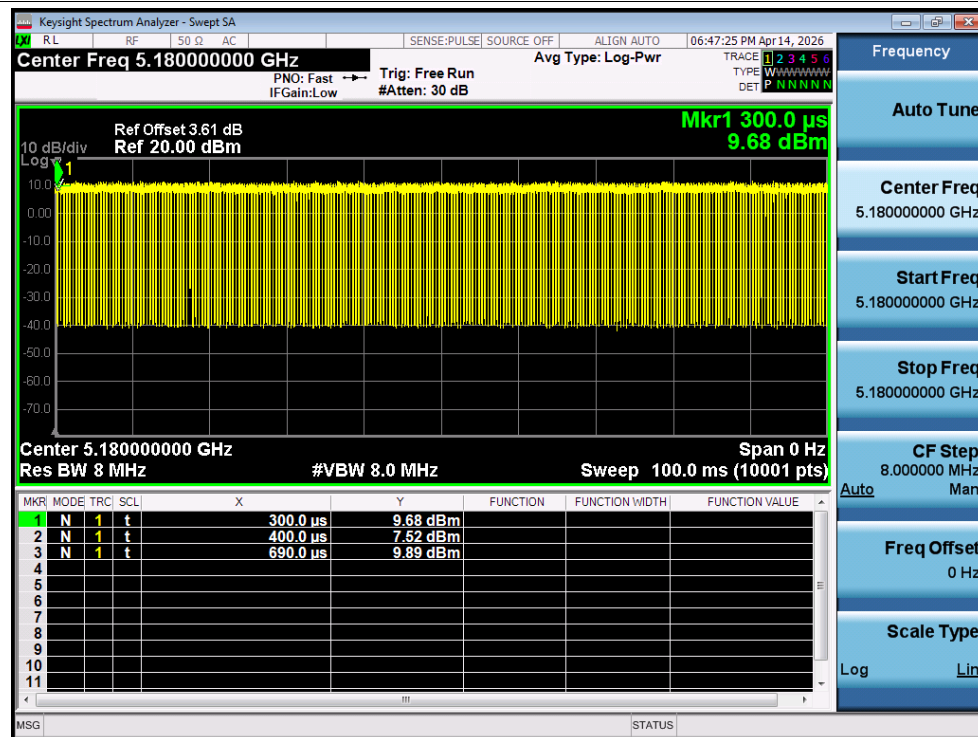
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	AntA	77.27	1.12	2.94
	n20			74.36	1.29	3.45
	n40	5190		61.54	2.11	6.25
	ac20	5180		75	1.25	3.33
	ac40	5190		62.96	2.01	5.88
	ac80	5210		45	3.47	11.11
	ax20	5180		72.97	1.37	3.7
	ax40	5190		59.26	2.27	6.25
	ax80	5210		50	3.01	9.09

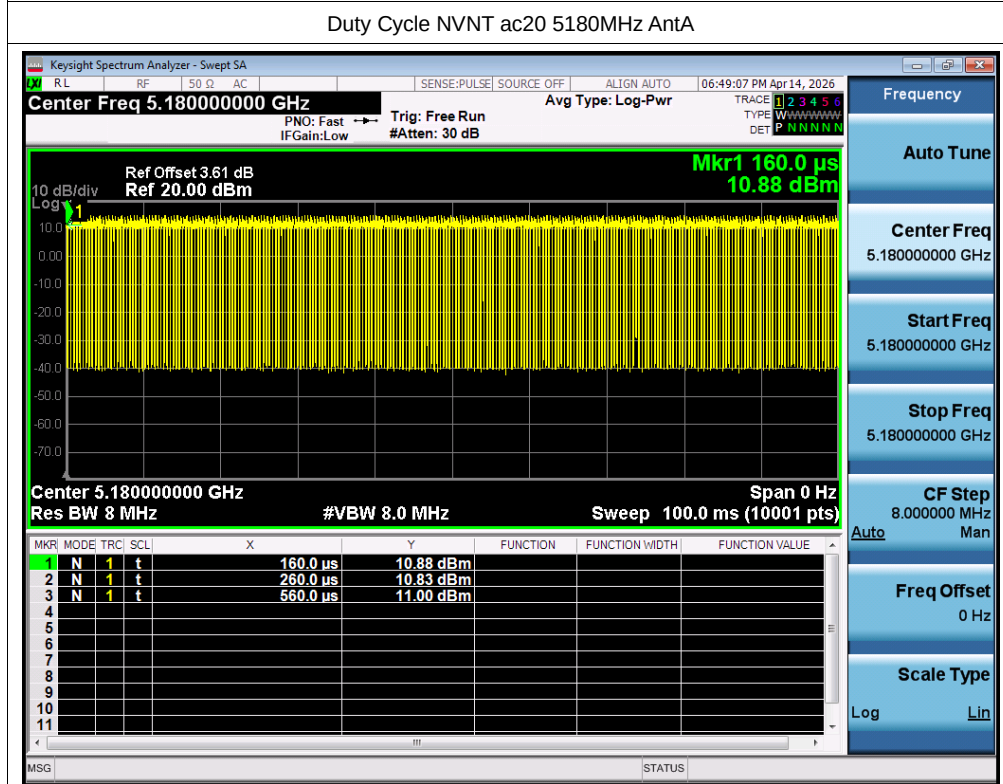
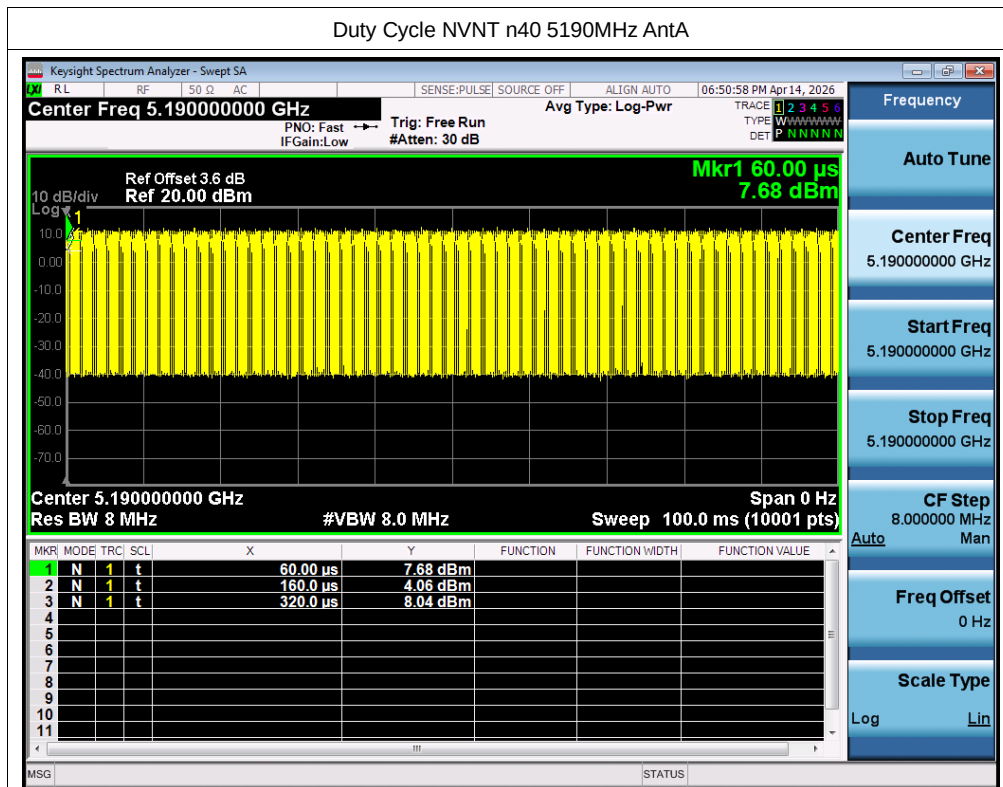
Test Graphs

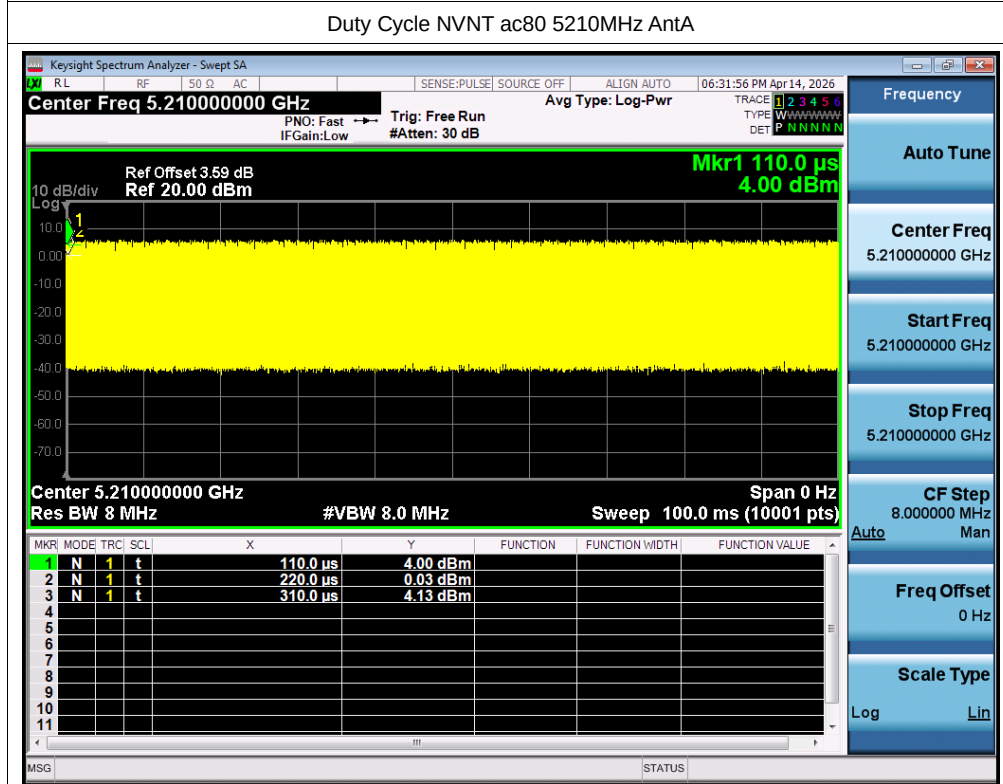
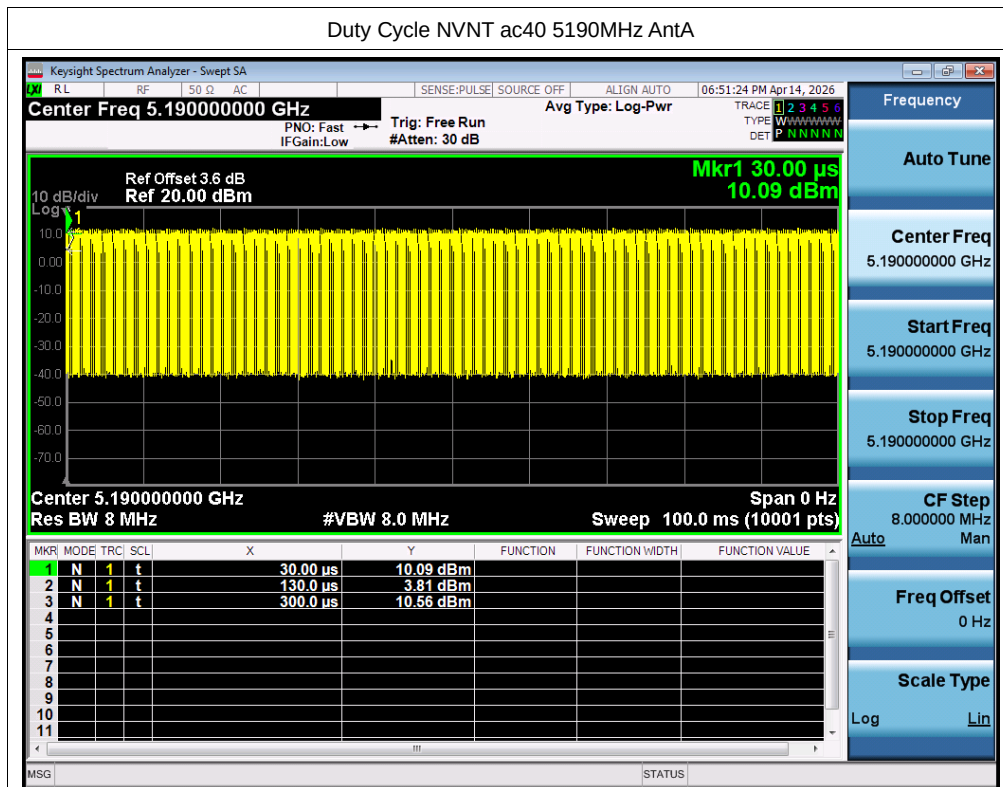
Duty Cycle NVNT a 5180MHz AntA



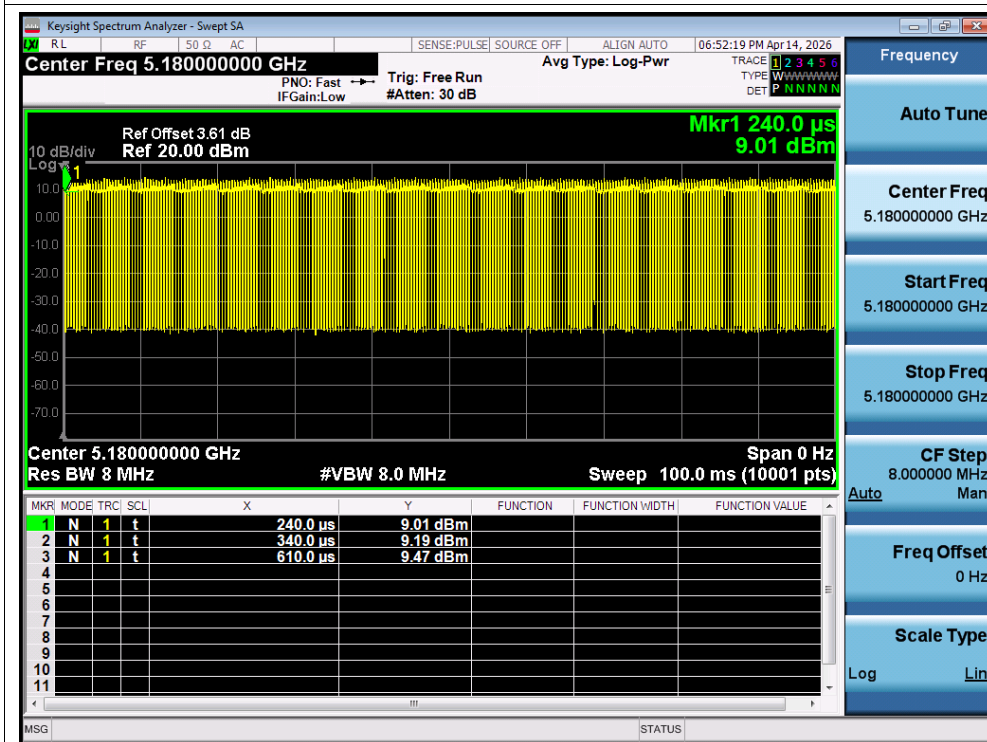
Duty Cycle NVNT n20 5180MHz AntA



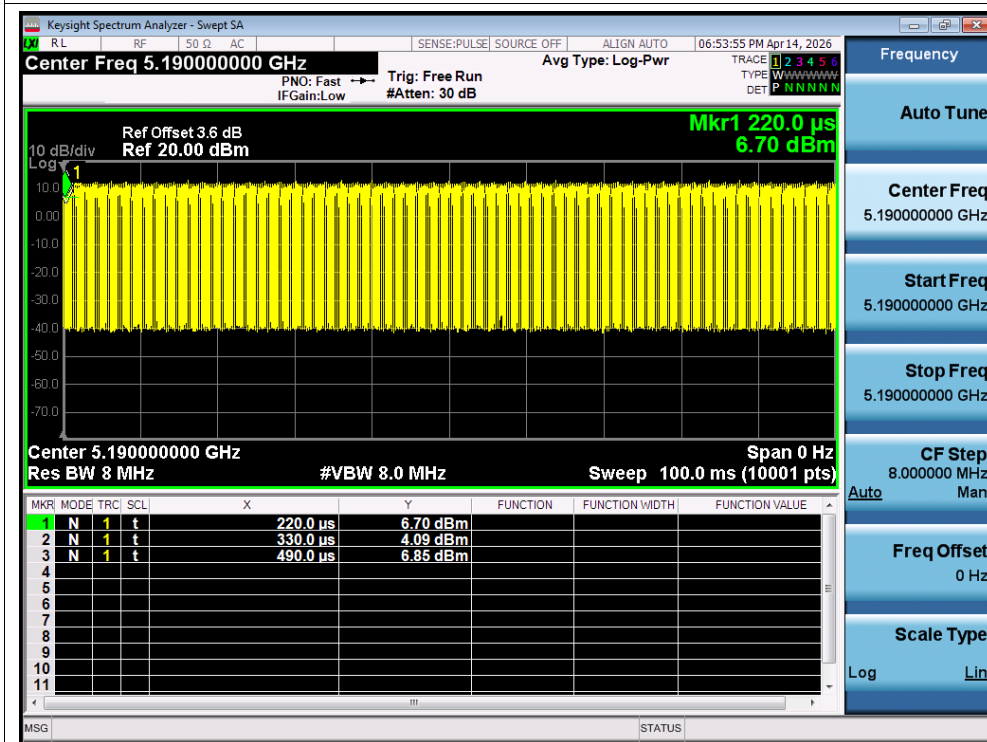




Duty Cycle NVNT ax20 5180MHz AntA



Duty Cycle NVNT ax40 5190MHz AntA



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	AntA	11.99	1.12	13.11	24	Pass
NVNT	a	5200	AntA	12.03	1.12	13.15	24	Pass
NVNT	a	5240	AntA	12.23	1.12	13.35	24	Pass
NVNT	n20	5180	AntA	10.89	1.29	12.18	24	Pass
NVNT	n20	5200	AntA	10.94	1.29	12.23	24	Pass
NVNT	n20	5240	AntA	11.08	1.29	12.37	24	Pass
NVNT	n40	5190	AntA	10.12	2.11	12.23	24	Pass
NVNT	n40	5230	AntA	9.97	2.11	12.08	24	Pass
NVNT	ac20	5180	AntA	10.96	1.25	12.21	24	Pass
NVNT	ac20	5200	AntA	10.98	1.25	12.23	24	Pass
NVNT	ac20	5240	AntA	11.09	1.25	12.34	24	Pass
NVNT	ac40	5190	AntA	10.09	2.01	12.10	24	Pass
NVNT	ac40	5230	AntA	10.08	2.01	12.09	24	Pass
NVNT	ac80	5210	AntA	9.05	3.47	12.52	24	Pass
NVNT	ax20	5180	AntA	10.81	1.37	12.18	24	Pass
NVNT	ax20	5200	AntA	10.79	1.37	12.16	24	Pass
NVNT	ax20	5240	AntA	10.92	1.37	12.29	24	Pass
NVNT	ax40	5190	AntA	10.1	2.27	12.37	24	Pass
NVNT	ax40	5230	AntA	10.11	2.27	12.38	24	Pass
NVNT	ax80	5210	AntA	9.41	3.01	12.42	24	Pass

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)			Limit (dBm)	Verdict
			Ant A	Ant B	Total		
NVNT	a	5180	13.11	14.13	/	30	Pass
NVNT	a	5200	13.15	14.15	/	30	Pass
NVNT	a	5240	13.35	14.24	/	30	Pass
NVNT	n20	5180	12.18	13.05	15.65	30	Pass
NVNT	n20	5200	12.23	13.09	15.69	30	Pass
NVNT	n20	5240	12.37	13.16	15.79	30	Pass
NVNT	n40	5190	12.23	12.19	15.22	30	Pass
NVNT	n40	5230	12.08	12.20	15.15	30	Pass
NVNT	ac20	5180	12.21	12.96	15.61	30	Pass
NVNT	ac20	5200	12.23	13.01	15.65	30	Pass
NVNT	ac20	5240	12.34	13.15	15.77	30	Pass
NVNT	ac40	5190	12.10	12.83	15.49	30	Pass
NVNT	ac40	5230	12.09	12.86	15.50	30	Pass
NVNT	ac80	5210	12.52	13.19	15.88	30	Pass
NVNT	ax20	5180	12.18	12.88	15.55	30	Pass
NVNT	ax20	5200	12.16	12.97	15.59	30	Pass
NVNT	ax20	5240	12.29	13.07	15.71	30	Pass
NVNT	ax40	5190	12.37	12.64	15.52	30	Pass
NVNT	ax40	5230	12.38	12.82	15.62	30	Pass
NVNT	ax80	5210	12.42	12.90	15.68	30	Pass

Note:

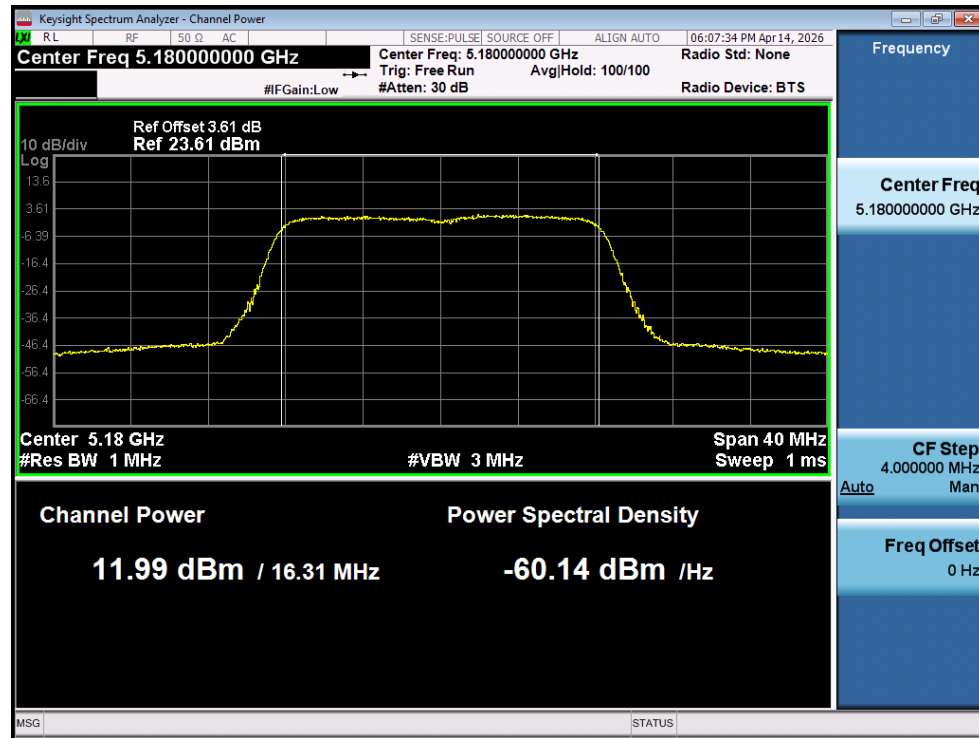
For power measurements.

The Array gain=0 for NANT≤4

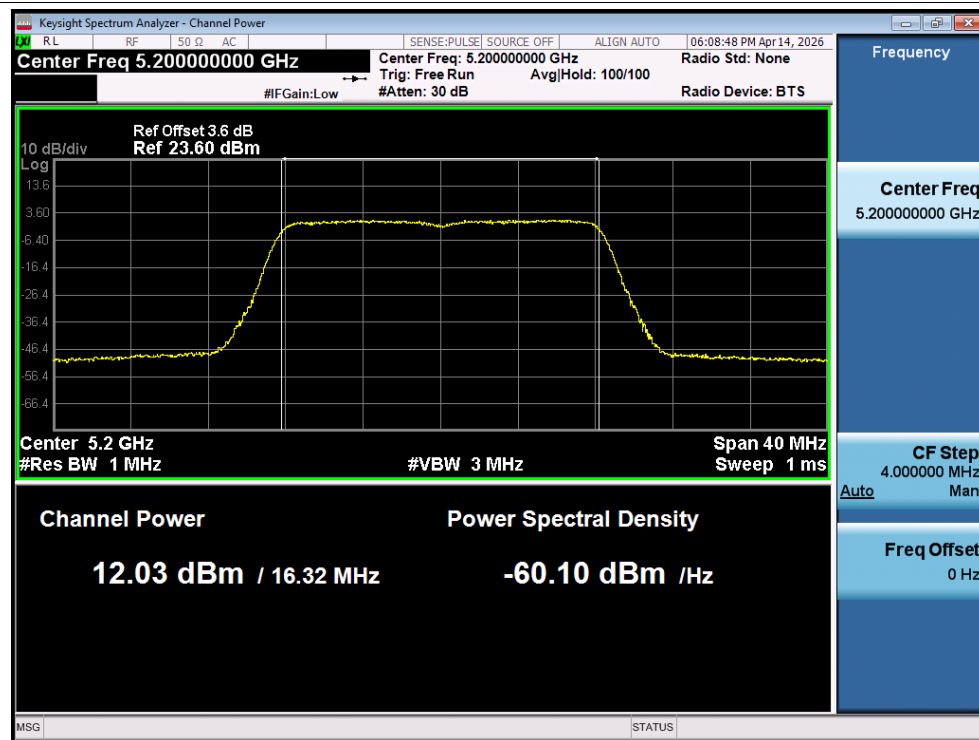
So the directional gain for Power measurements is 1.93 dBi

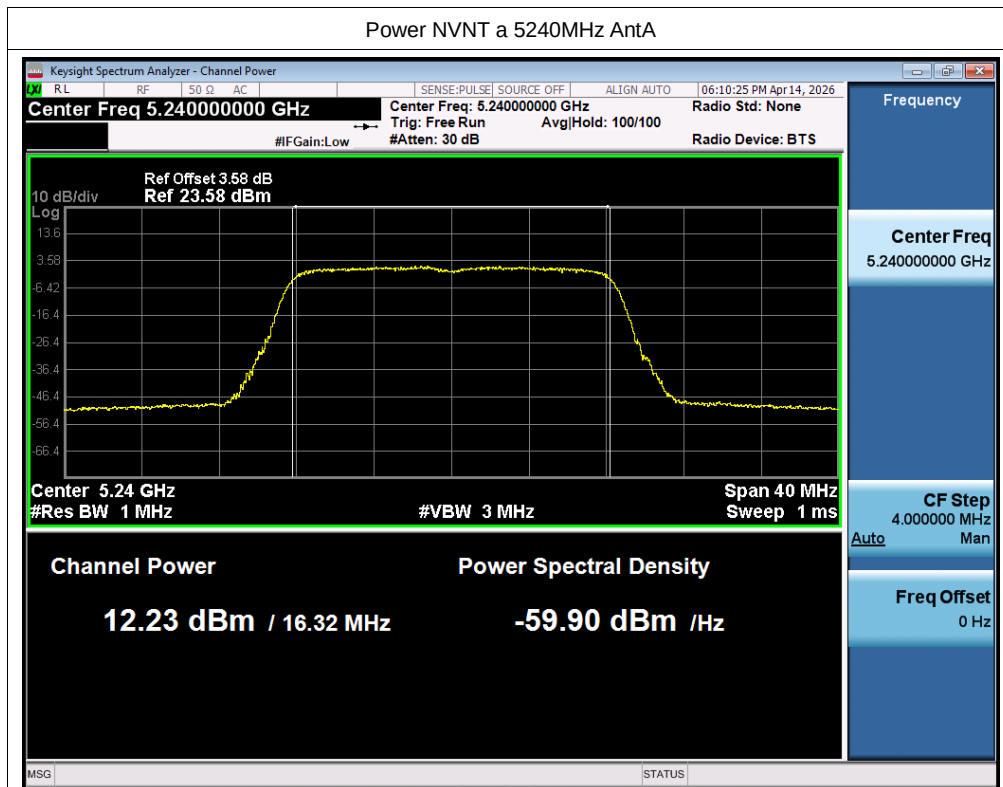
Test Graphs

Power NVNT a 5180MHz AntA

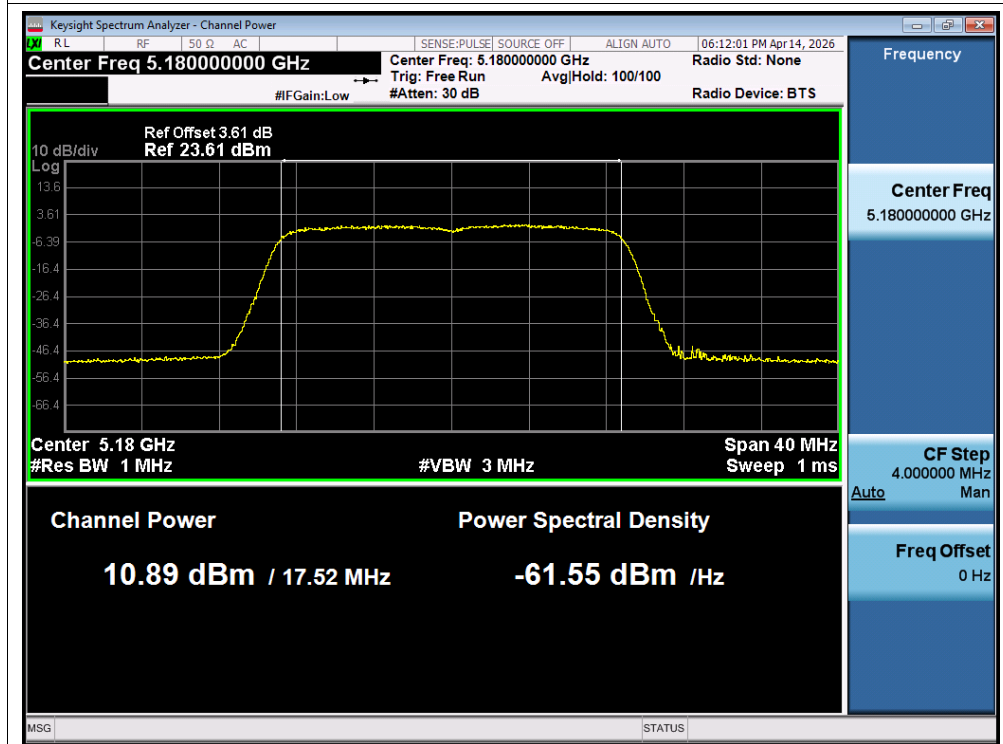


Power NVNT a 5200MHz AntA

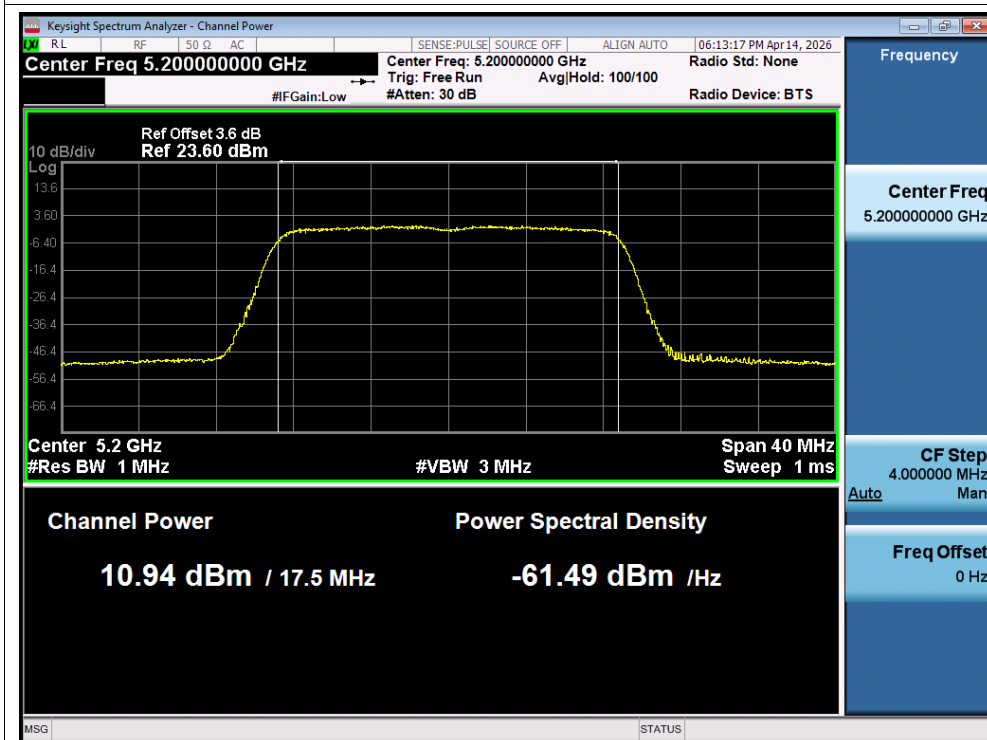




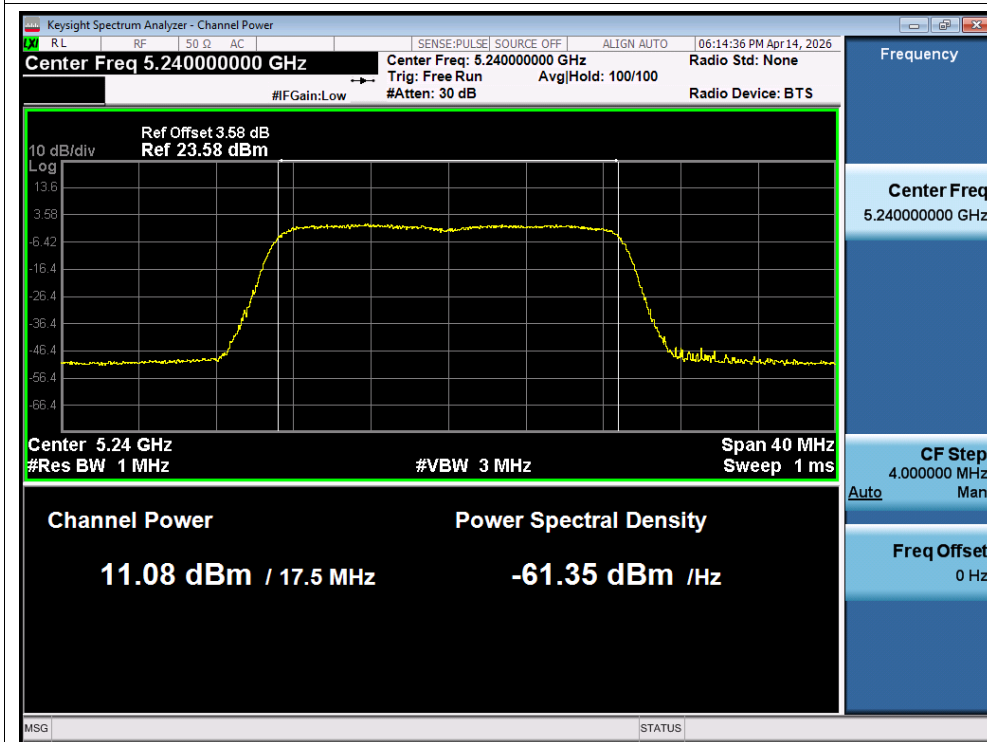
Power NVNT n20 5180MHz AntA



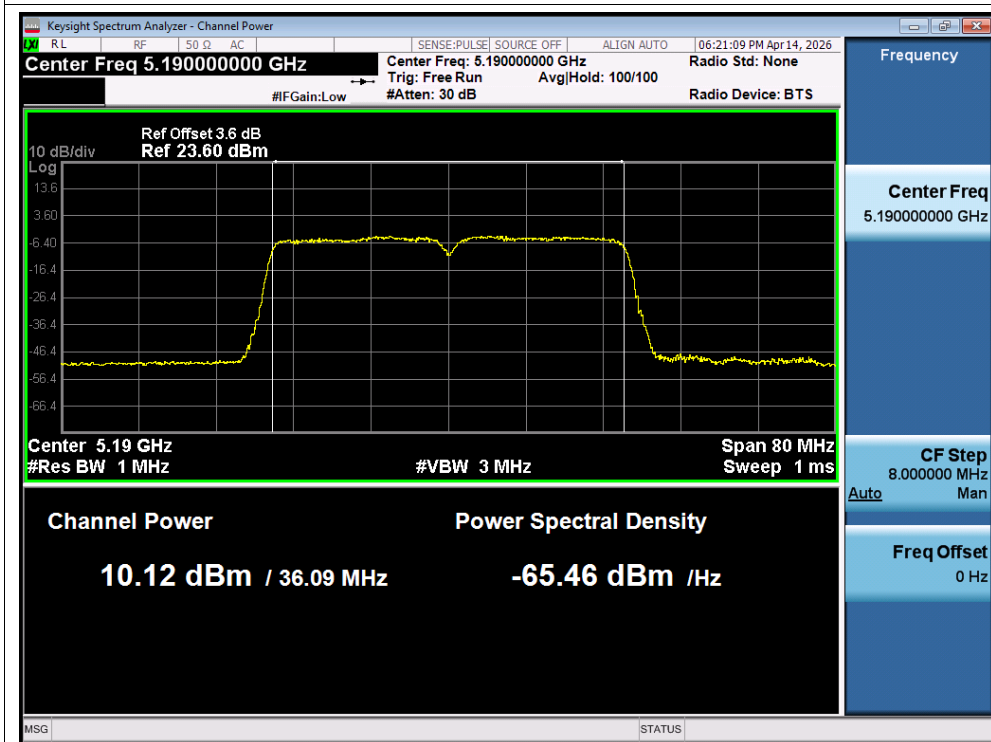
Power NVNT n20 5200MHz AntA



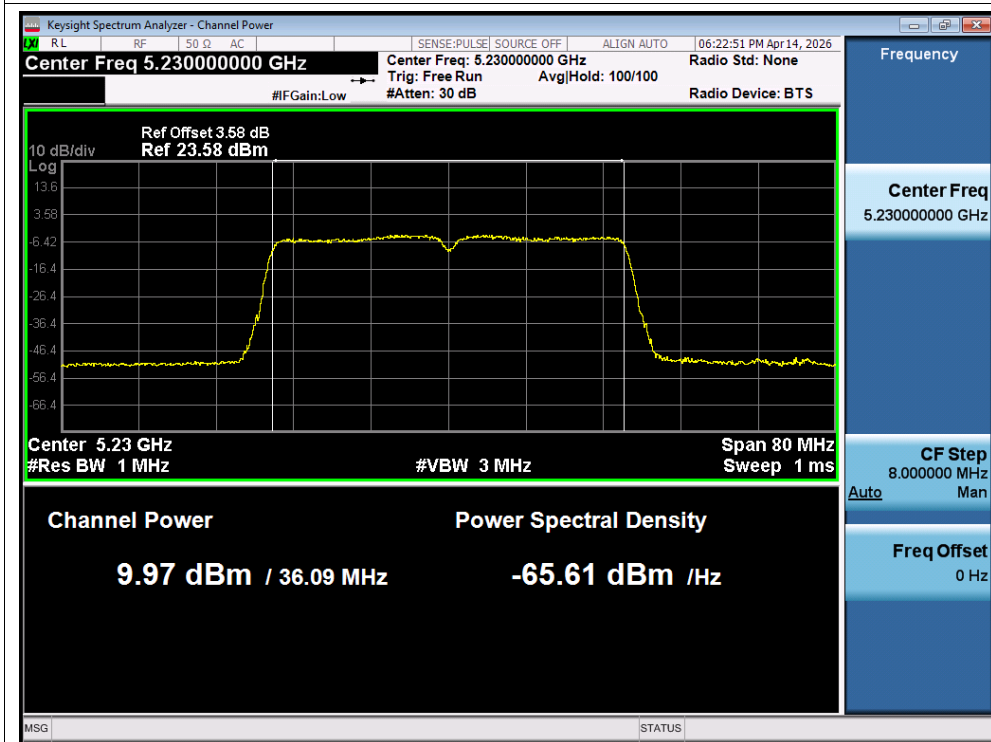
Power NVNT n20 5240MHz AntA

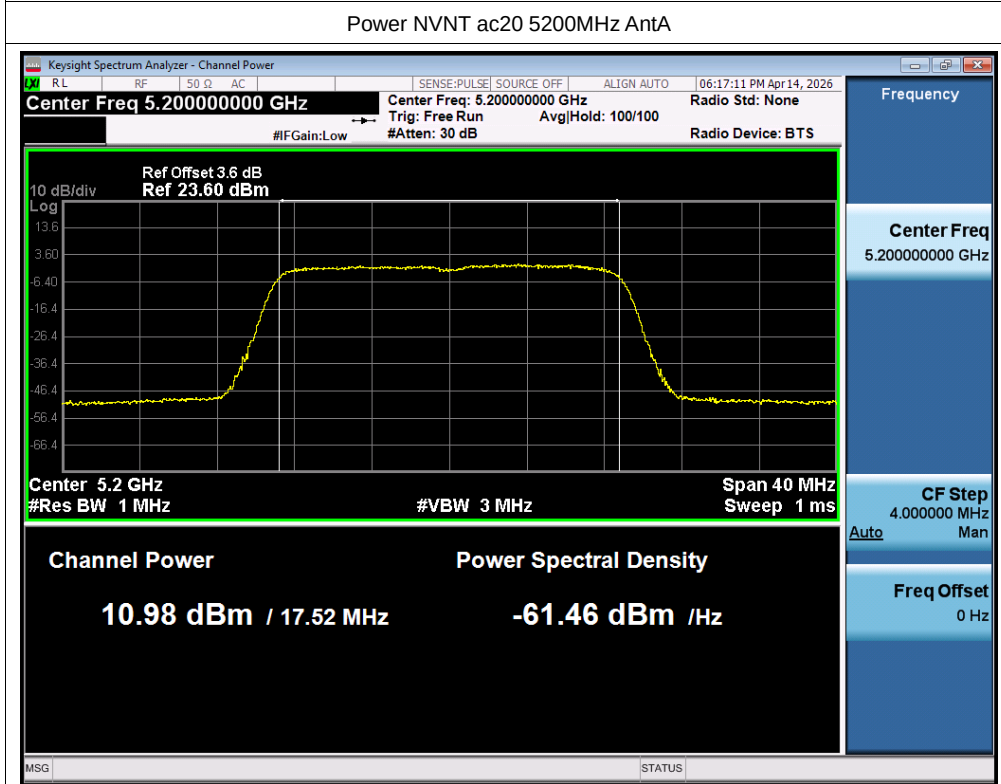
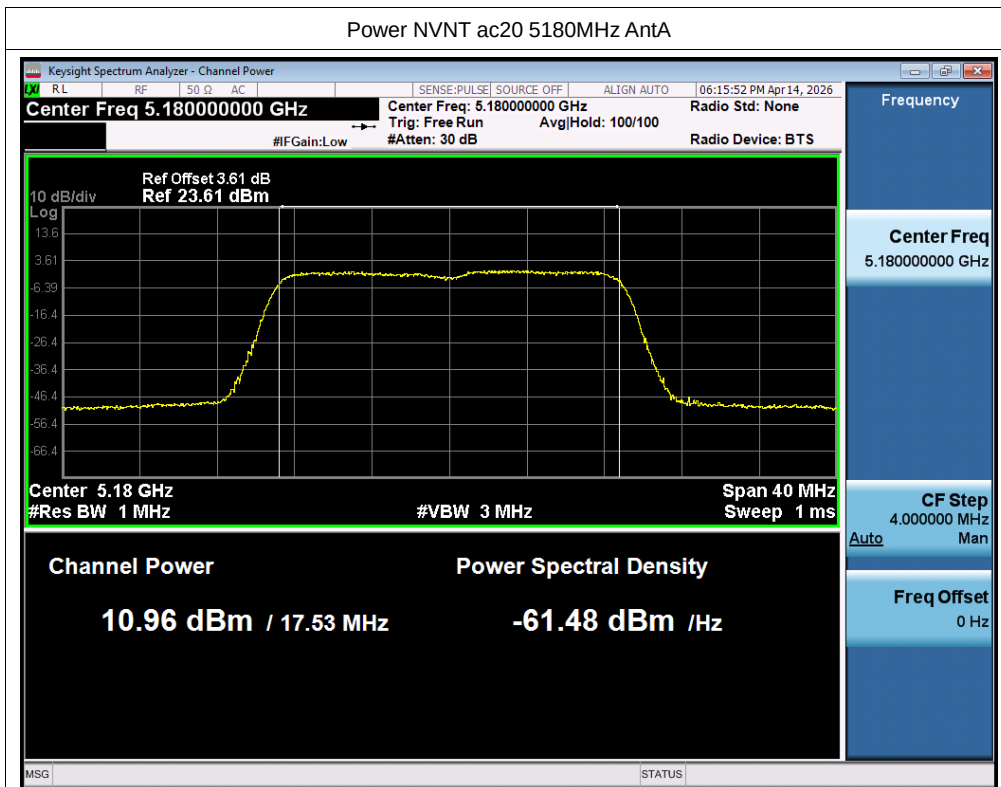


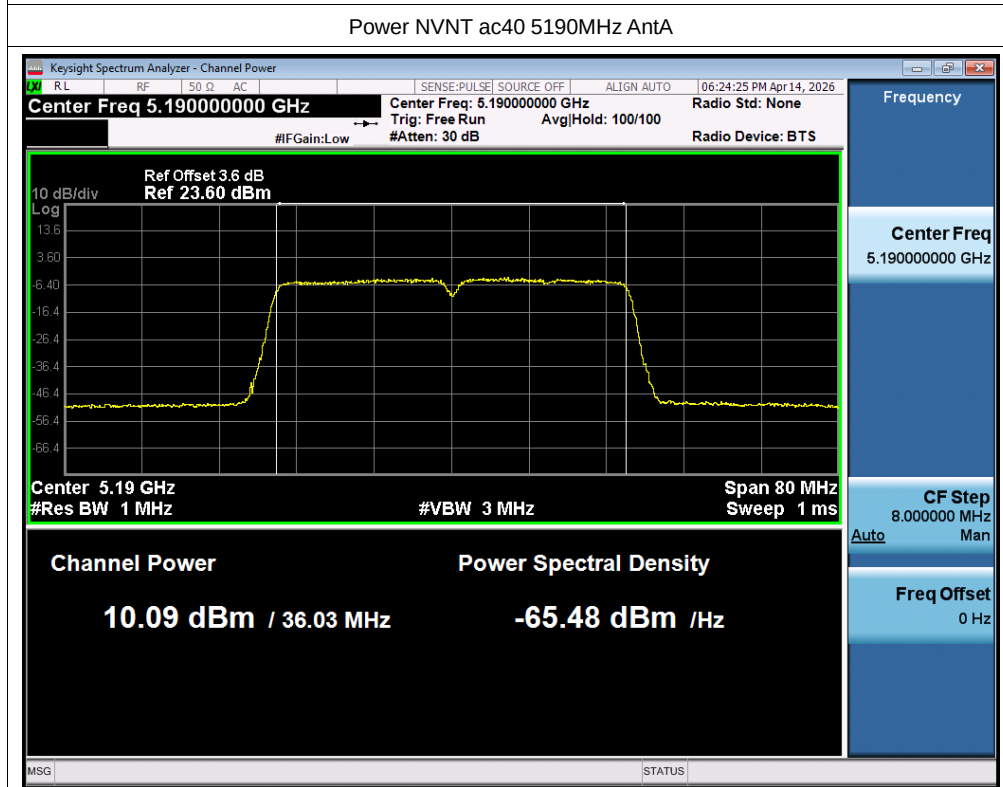
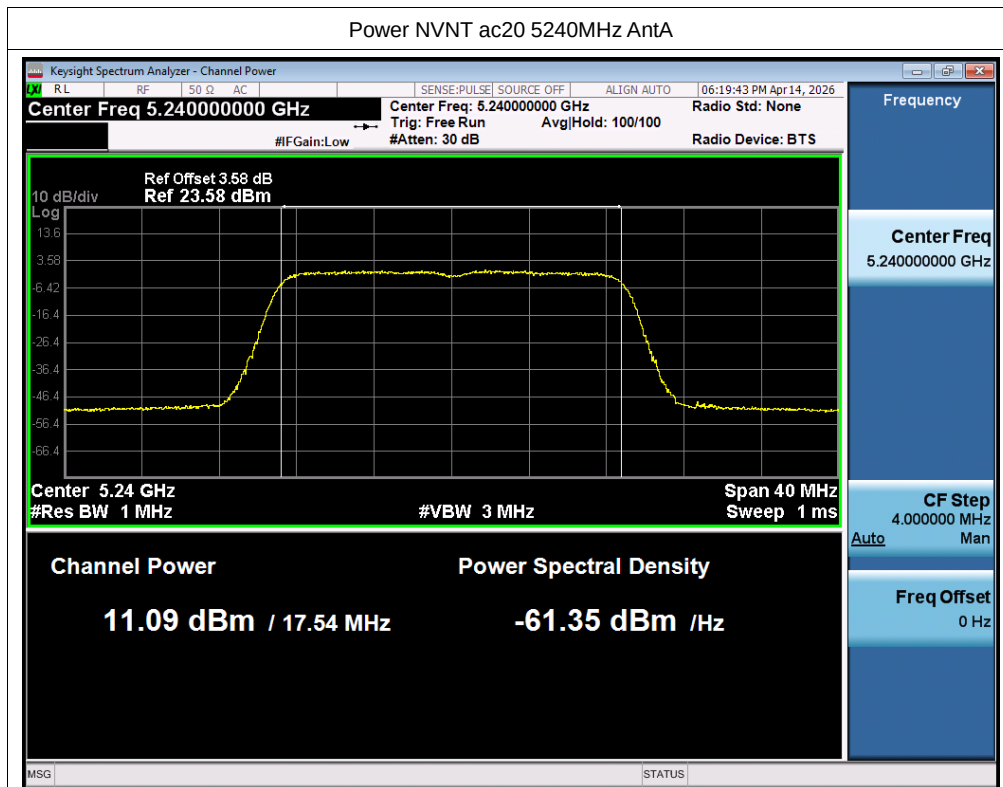
Power NVNT n40 5190MHz AntA



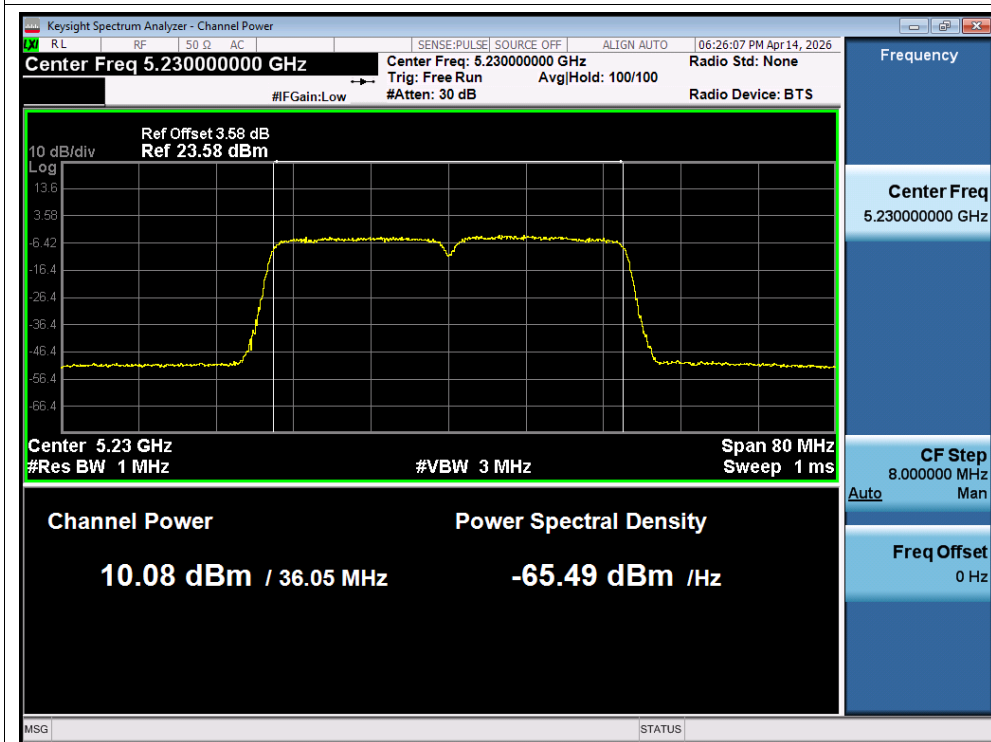
Power NVNT n40 5230MHz AntA



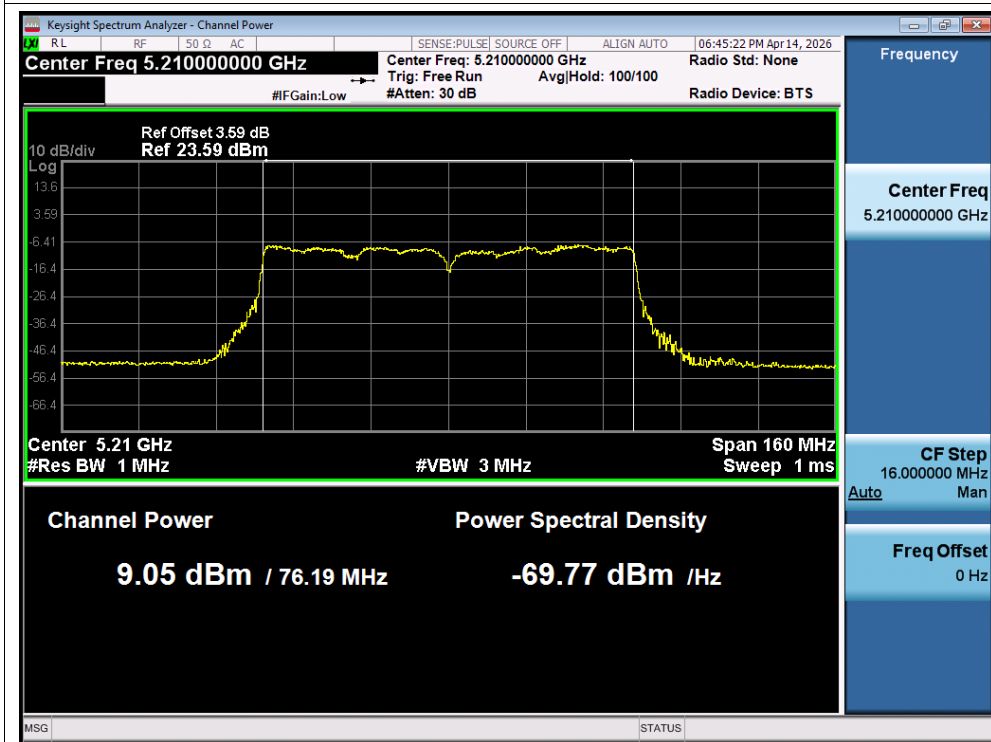


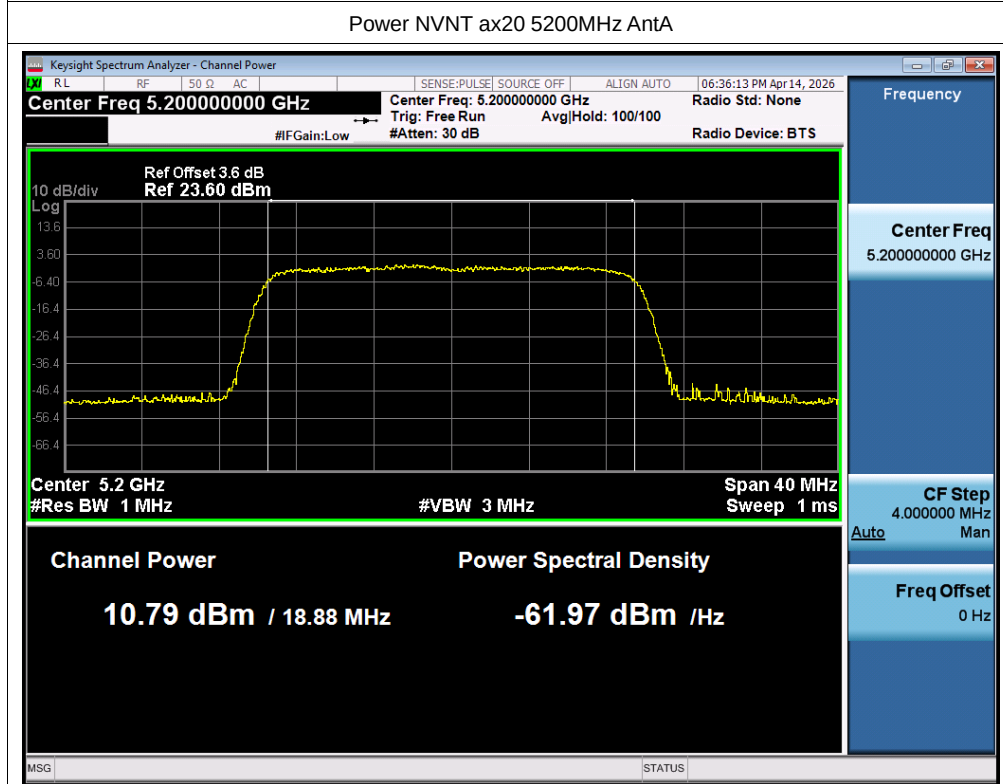
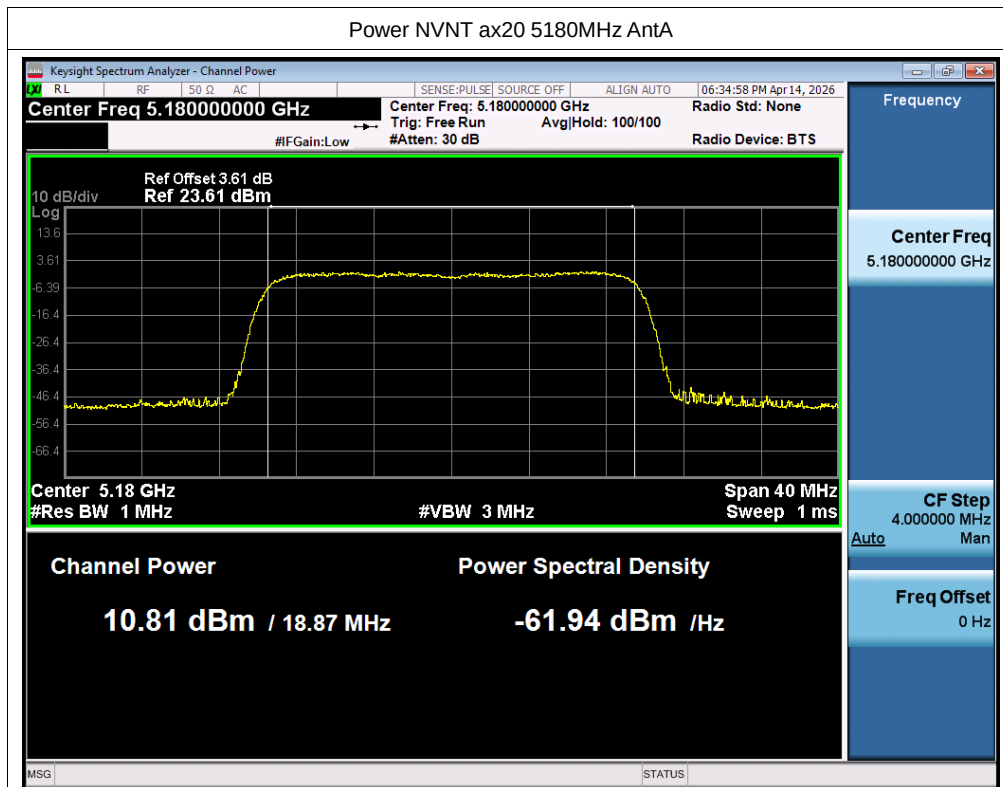


Power NVNT ac40 5230MHz AntA

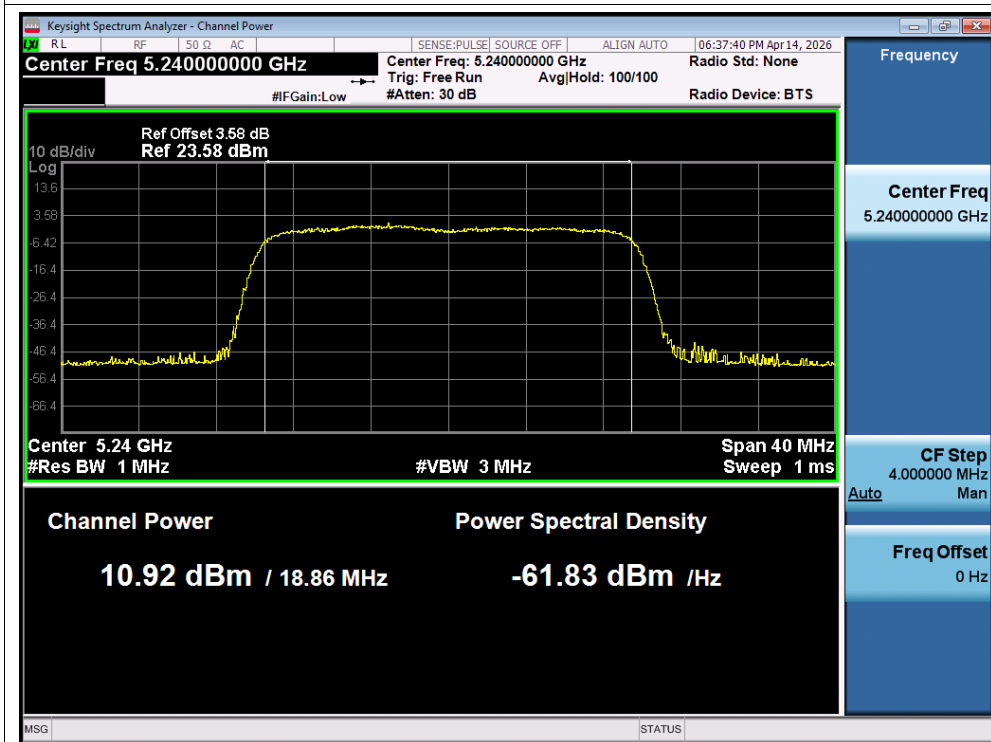


Power NVNT ac80 5210MHz AntA

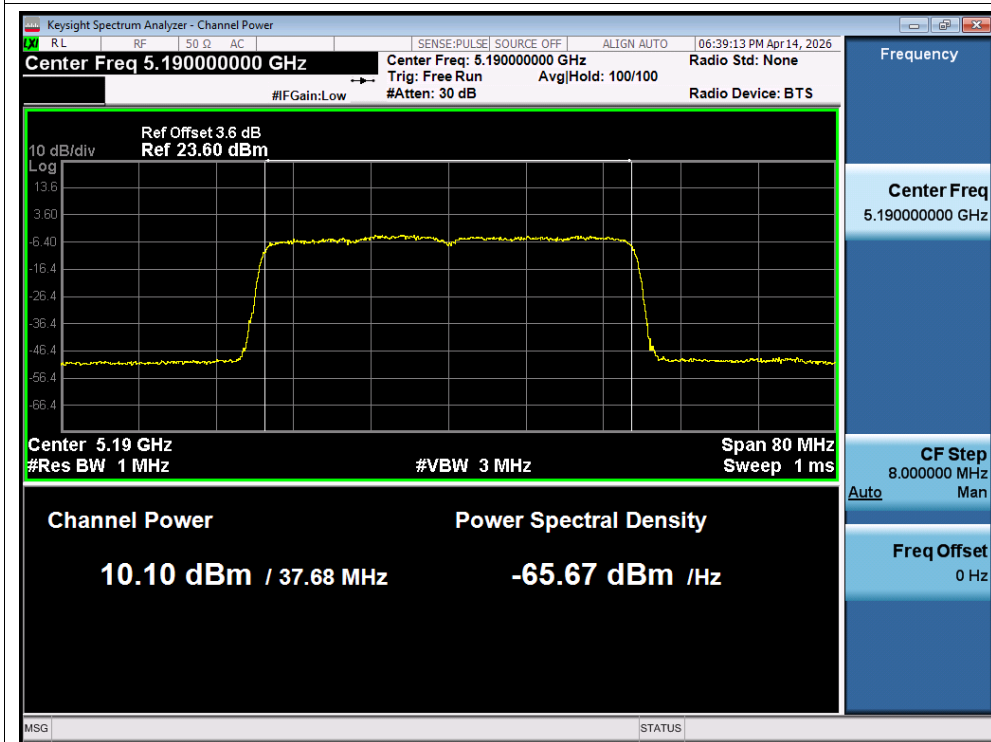




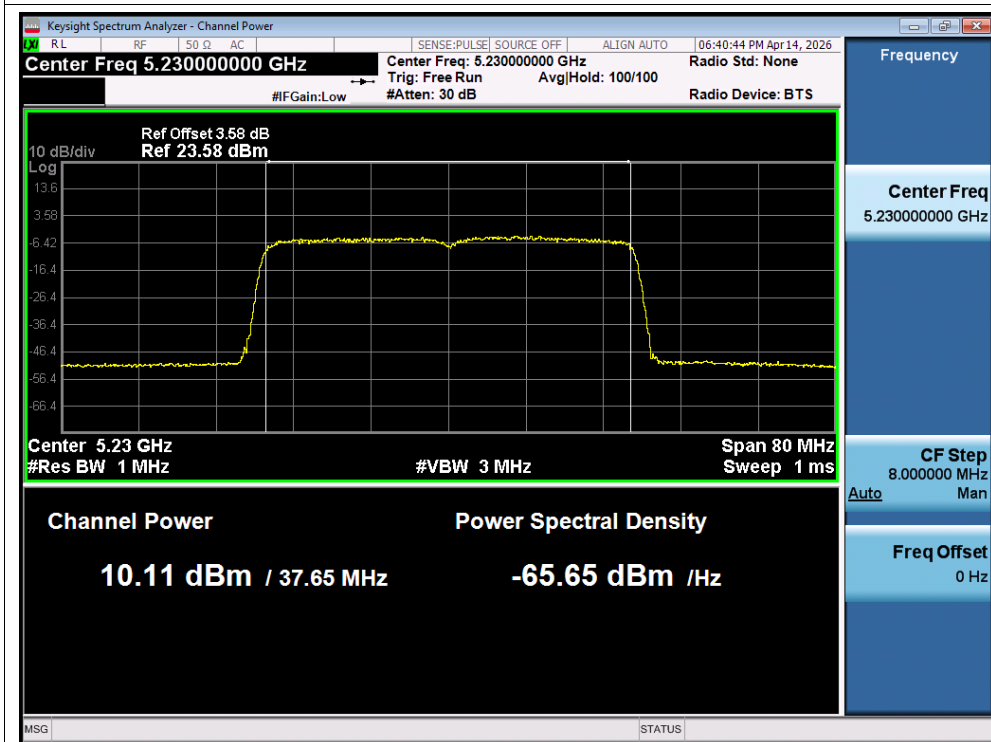
Power NVNT ax20 5240MHz AntA



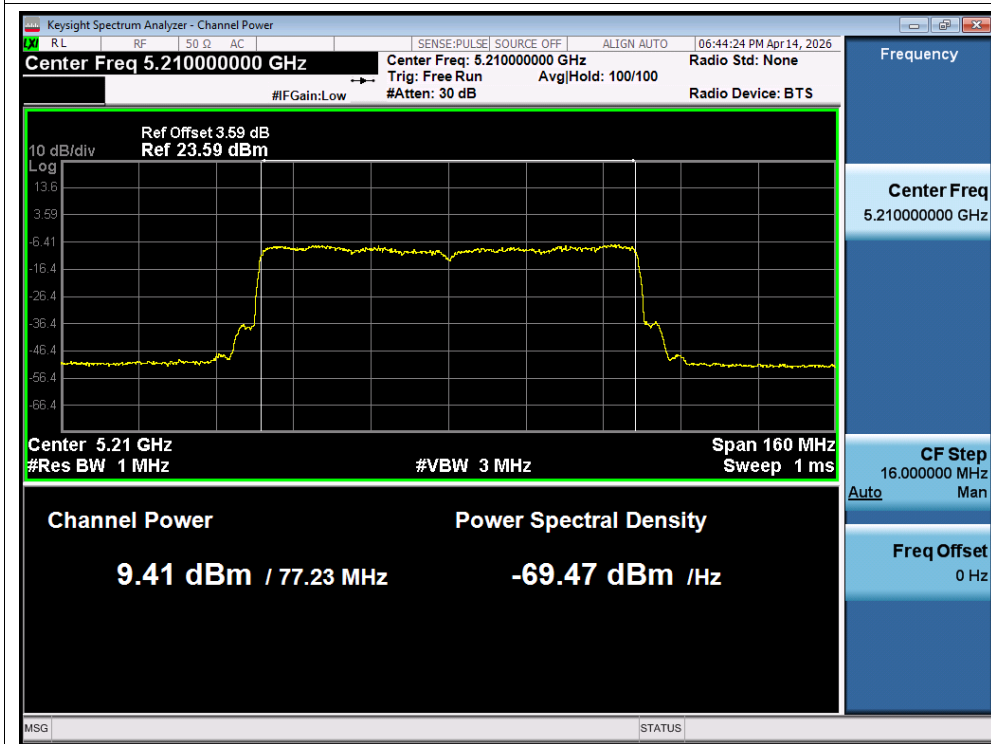
Power NVNT ax40 5190MHz AntA



Power NVNT ax40 5230MHz AntA



Power NVNT ax80 5210MHz AntA

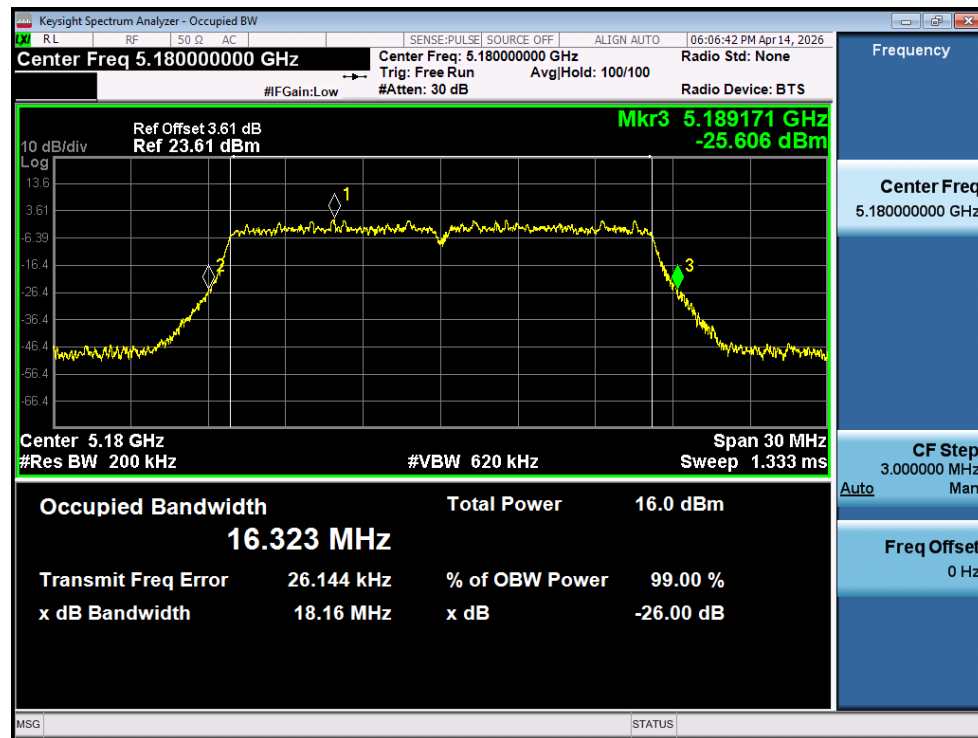


-26dB Bandwidth

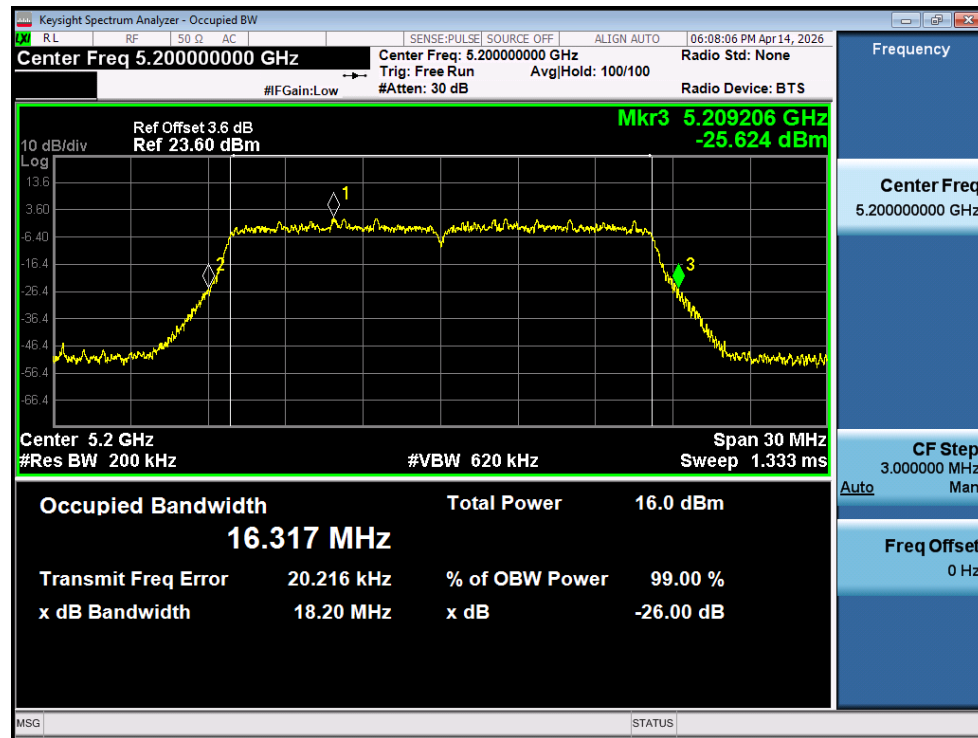
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	AntA	18.16	0.5	Pass
		5200		18.2	0.5	Pass
		5240		18.1	0.5	Pass
	n20	5180		19.19	0.5	Pass
		5200		19.12	0.5	Pass
		5240		19.07	0.5	Pass
	n40	5190		38.84	0.5	Pass
		5230		38.96	0.5	Pass
	ac20	5180		19.29	0.5	Pass
		5200		19.14	0.5	Pass
		5240		19.14	0.5	Pass
	ac40	5190		38.78	0.5	Pass
		5230		38.95	0.5	Pass
	ac80	5210		85.4	0.5	Pass
	ax20	5180		20.21	0.5	Pass
		5200		20.22	0.5	Pass
		5240		20.17	0.5	Pass
	ax40	5190		39.74	0.5	Pass
		5230		39.69	0.5	Pass
	ax80	5210		80.32	0.5	Pass

Test Graphs

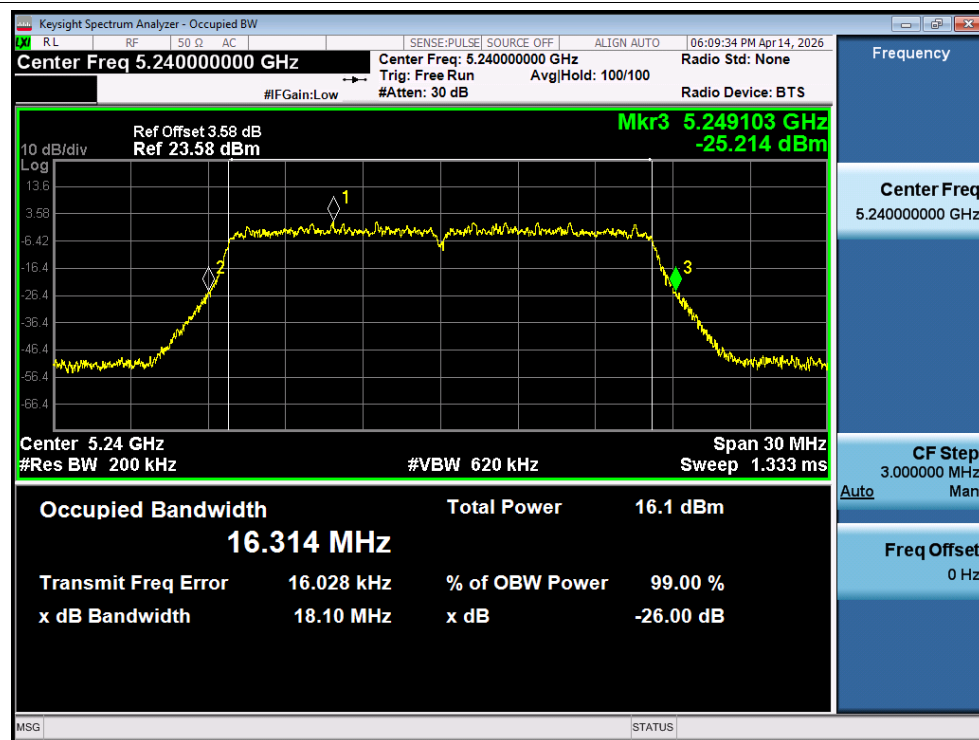
-26dB Bandwidth NVNT a 5180MHz AntA



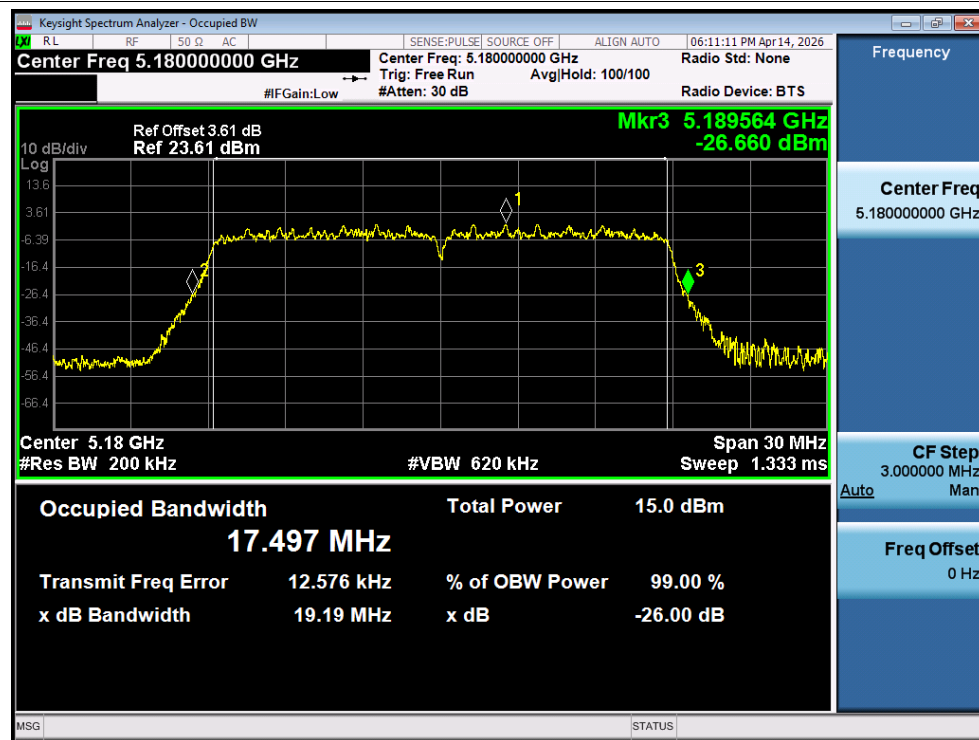
-26dB Bandwidth NVNT a 5200MHz AntA



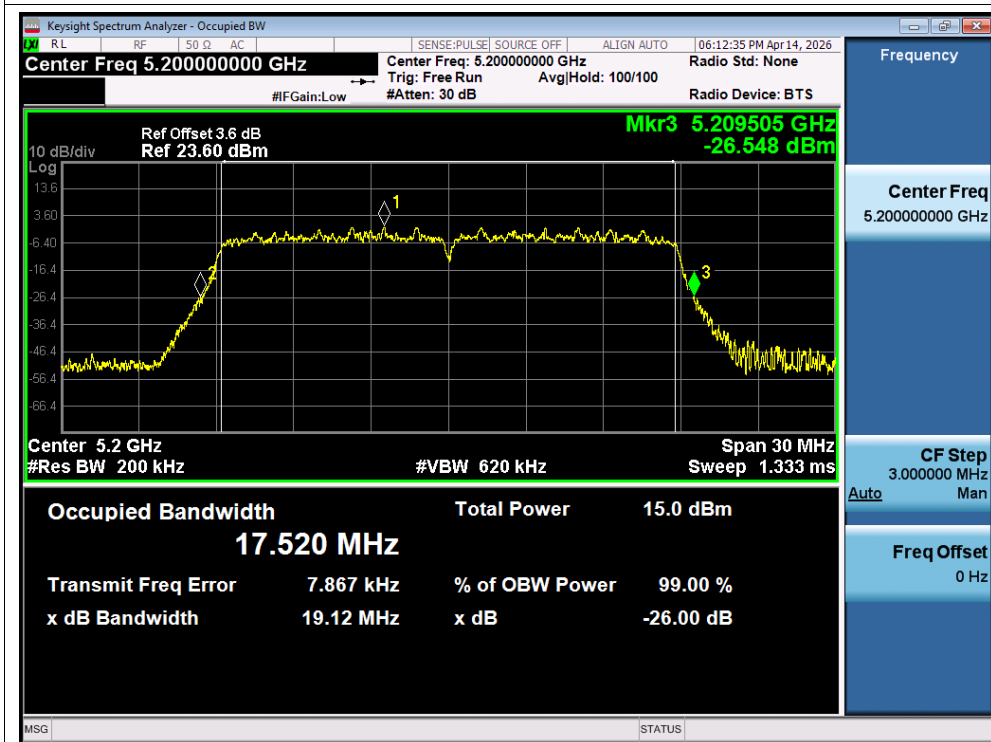
-26dB Bandwidth NVNT a 5240MHz AntA



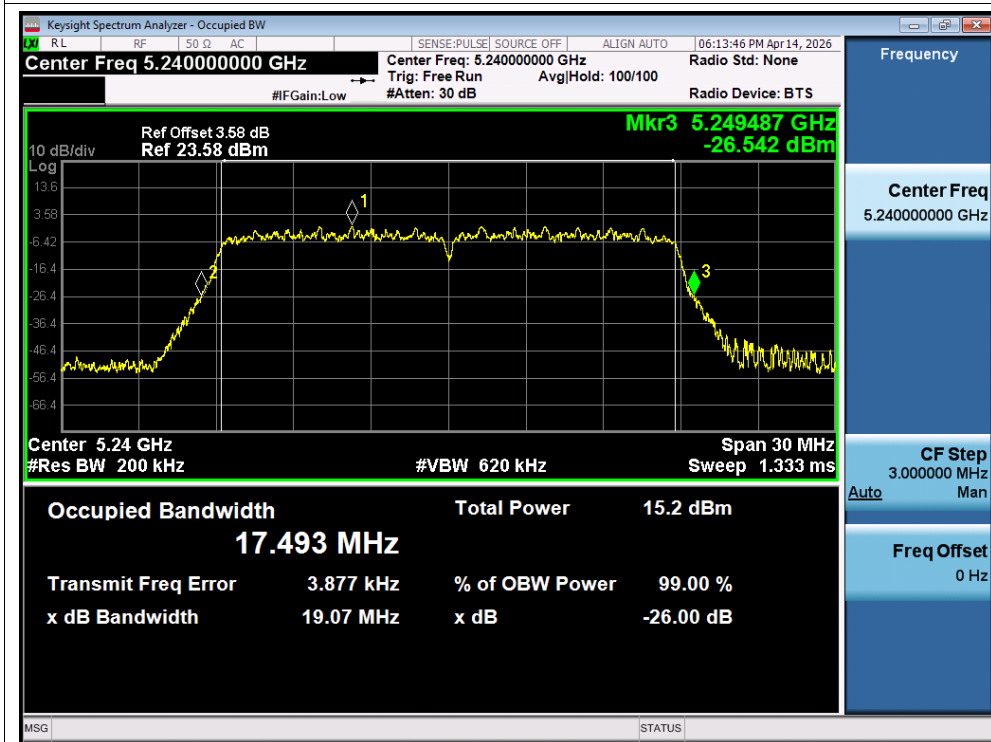
-26dB Bandwidth NVNT n20 5180MHz AntA



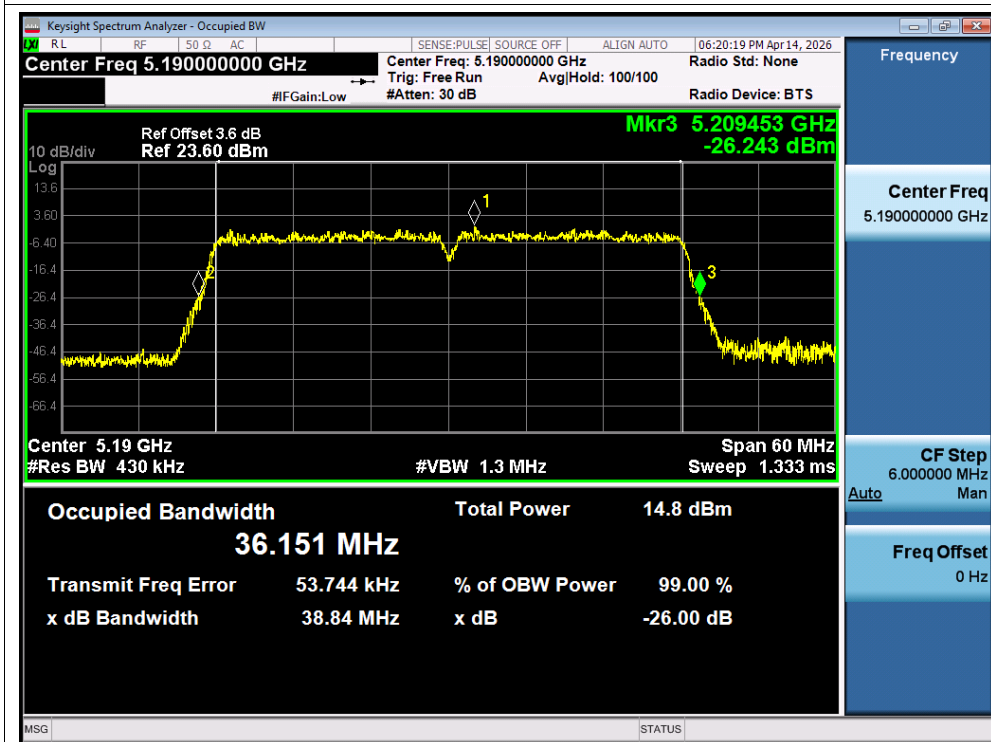
-26dB Bandwidth NVNT n20 5200MHz AntA



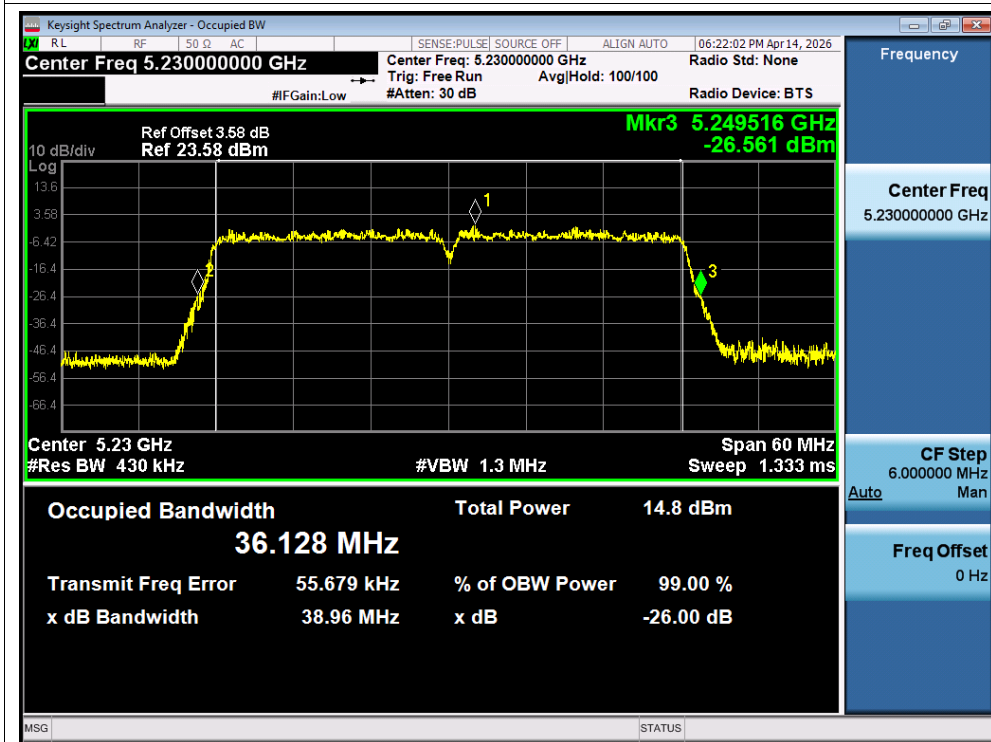
-26dB Bandwidth NVNT n20 5240MHz AntA



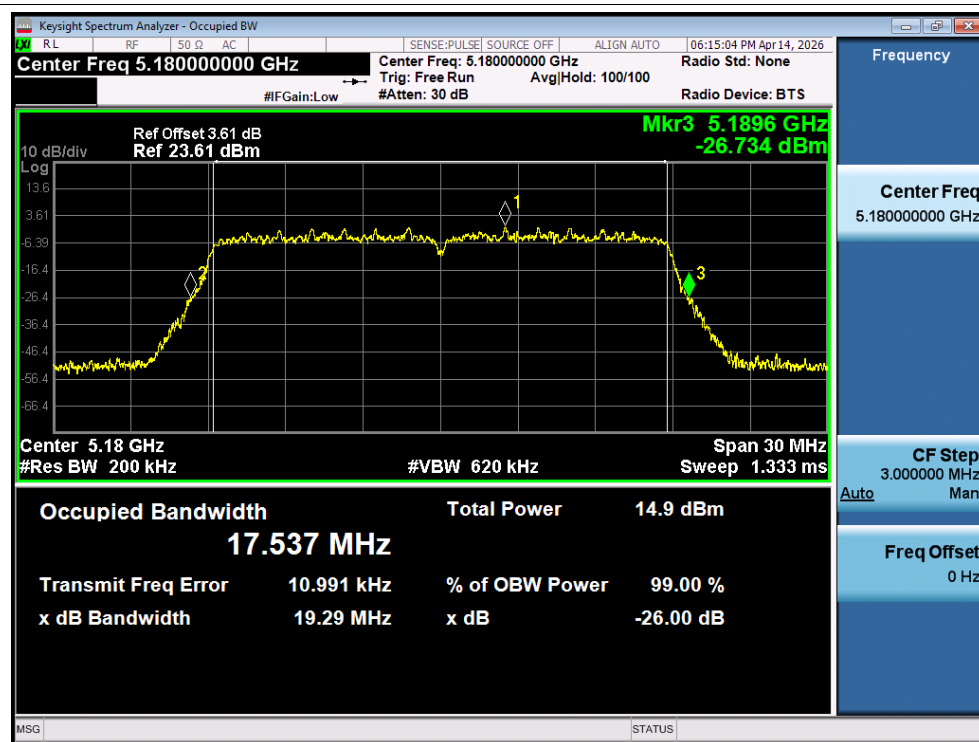
-26dB Bandwidth NVNT n40 5190MHz AntA



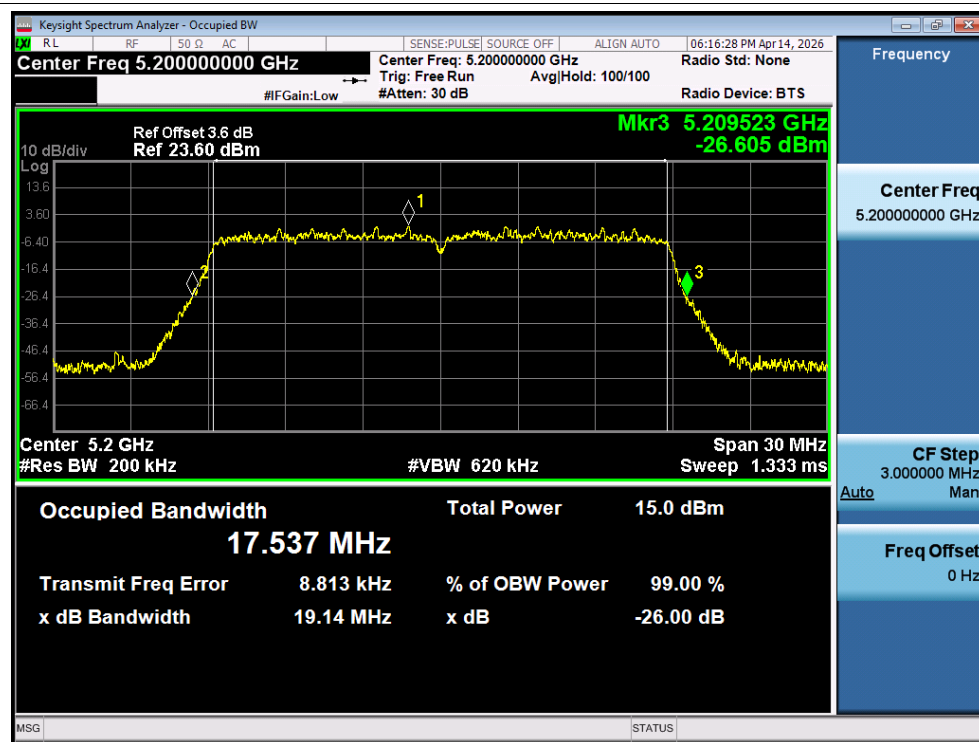
-26dB Bandwidth NVNT n40 5230MHz AntA



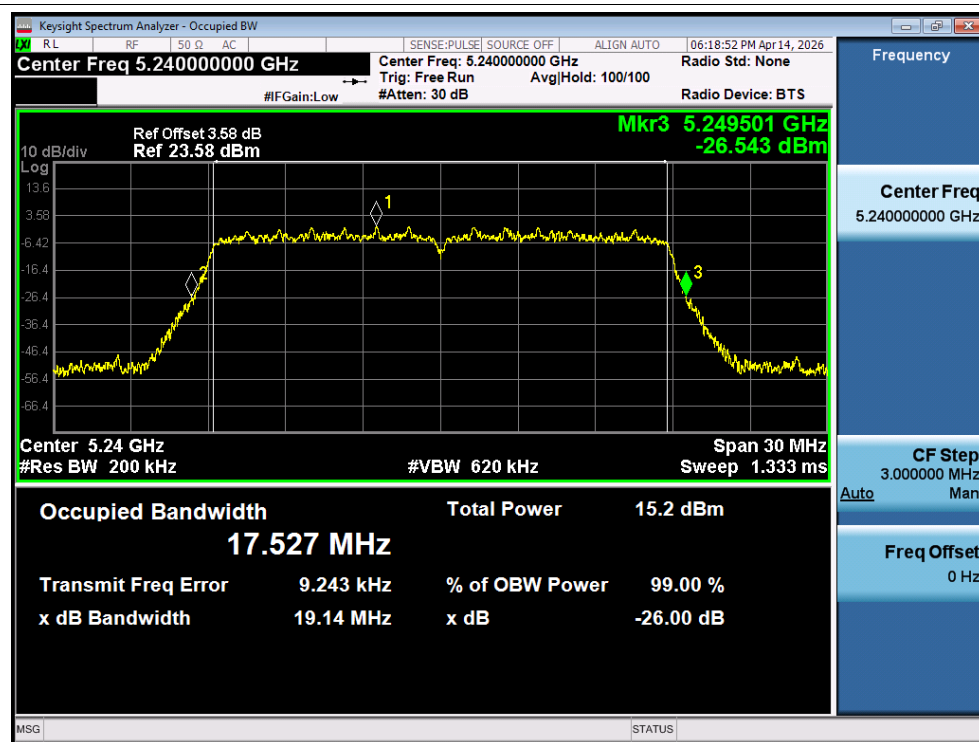
-26dB Bandwidth NVNT ac20 5180MHz AntA



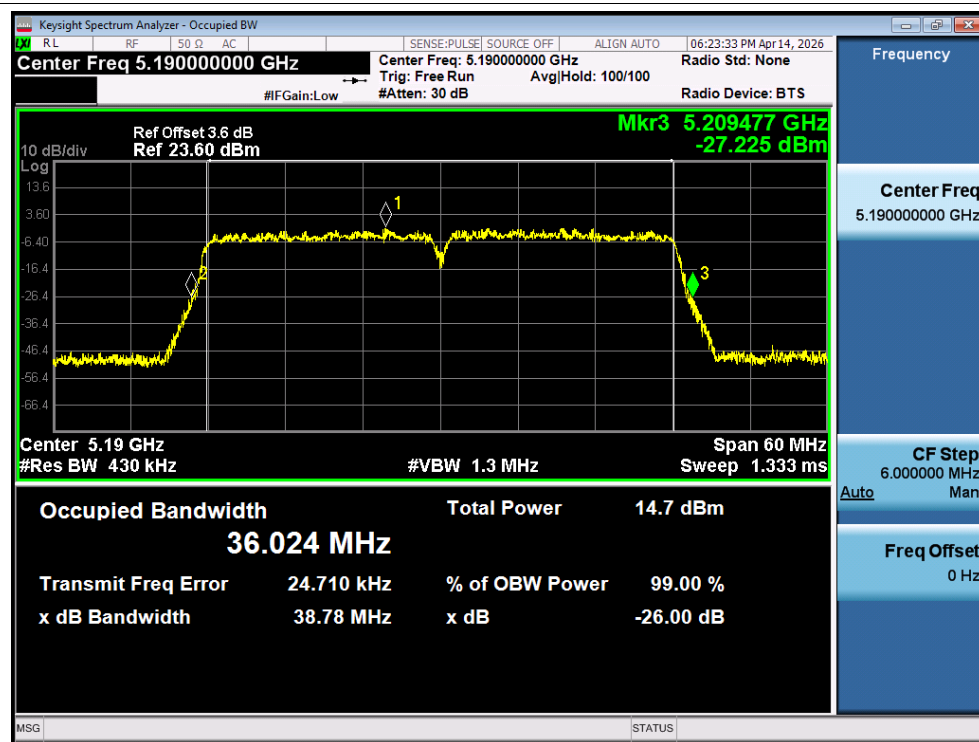
-26dB Bandwidth NVNT ac20 5200MHz AntA



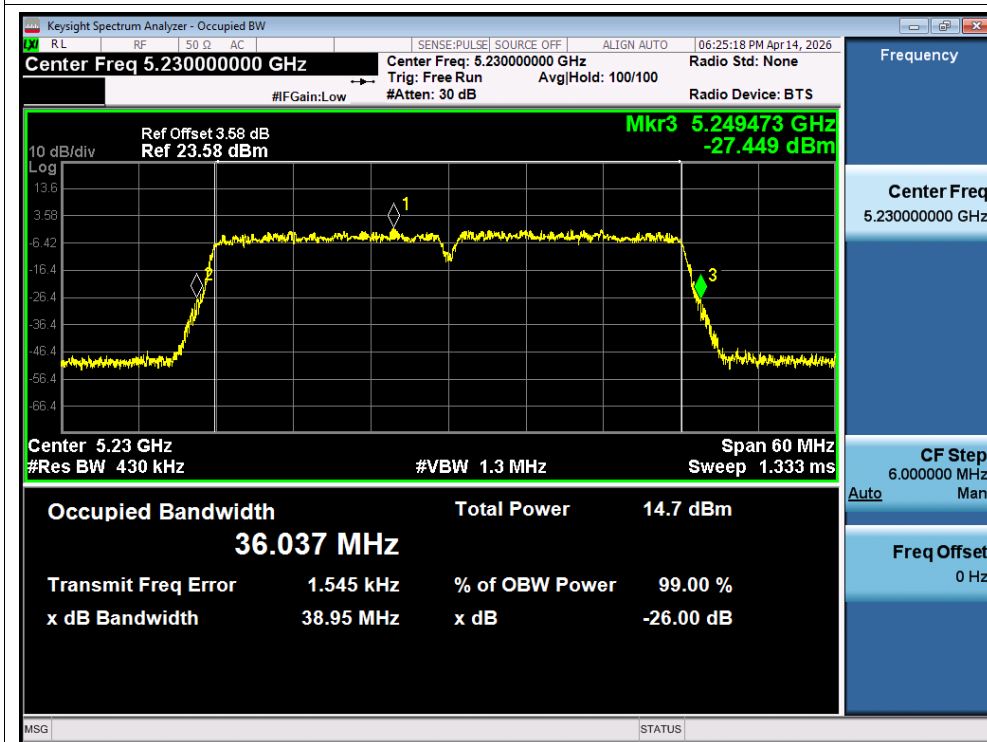
-26dB Bandwidth NVNT ac20 5240MHz AntA



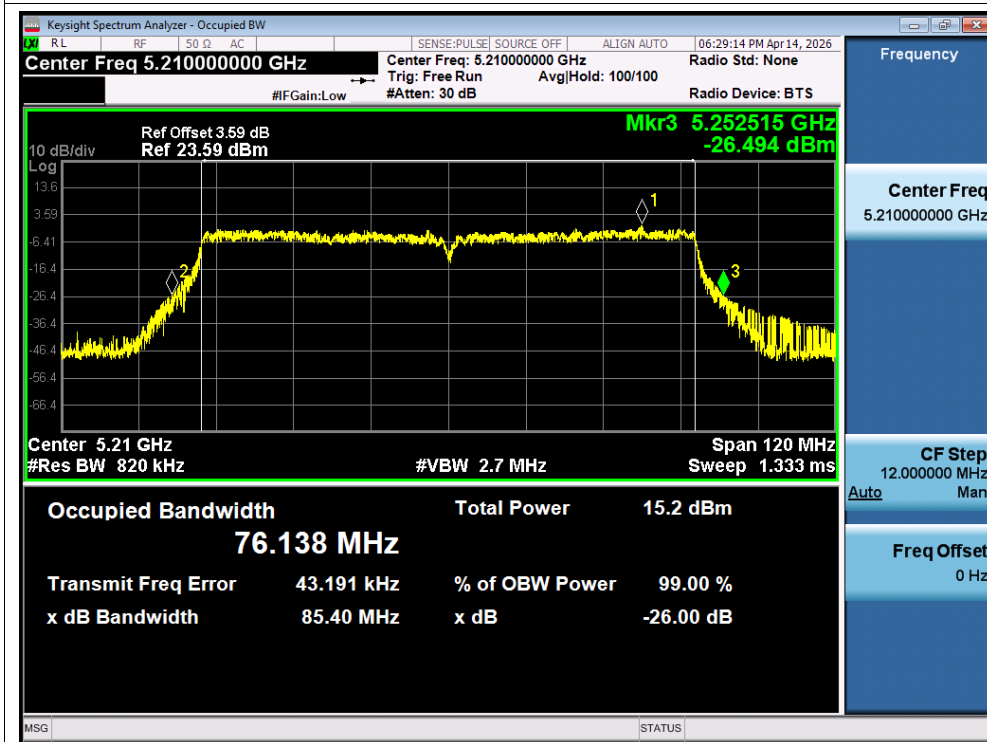
-26dB Bandwidth NVNT ac40 5190MHz AntA



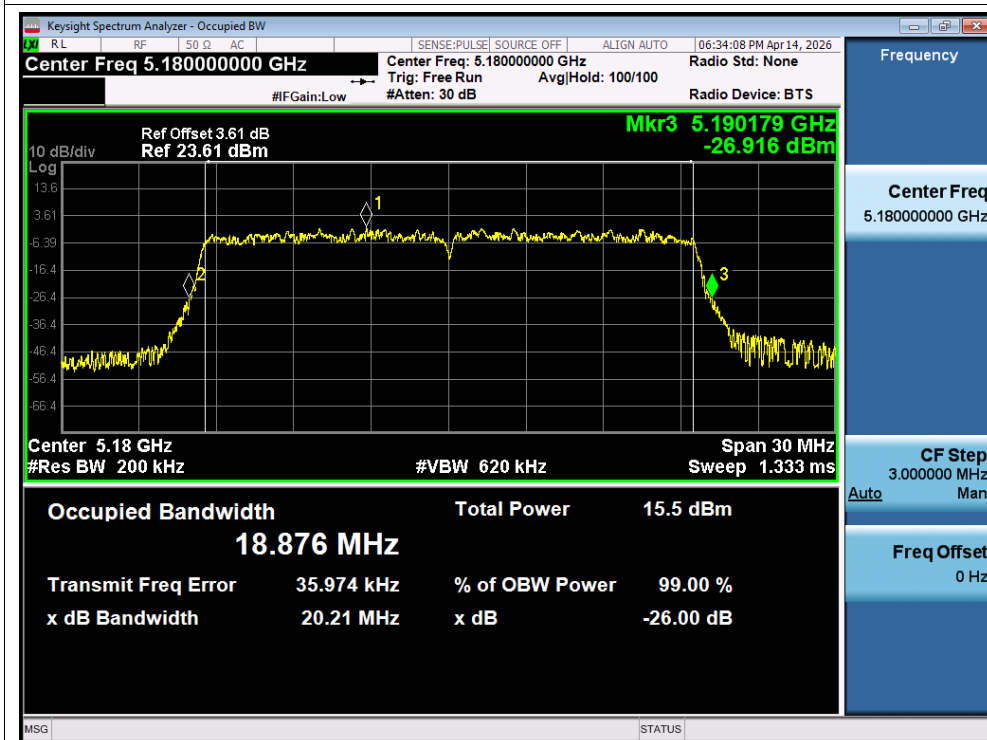
-26dB Bandwidth NVNT ac40 5230MHz AntA



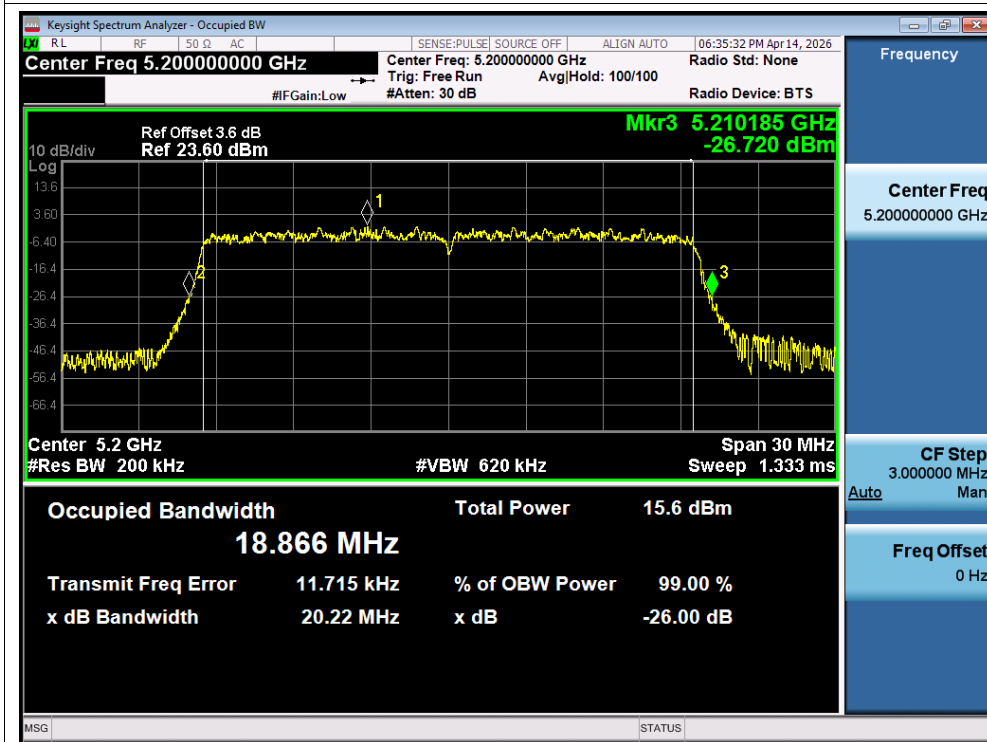
-26dB Bandwidth NVNT ac80 5210MHz AntA



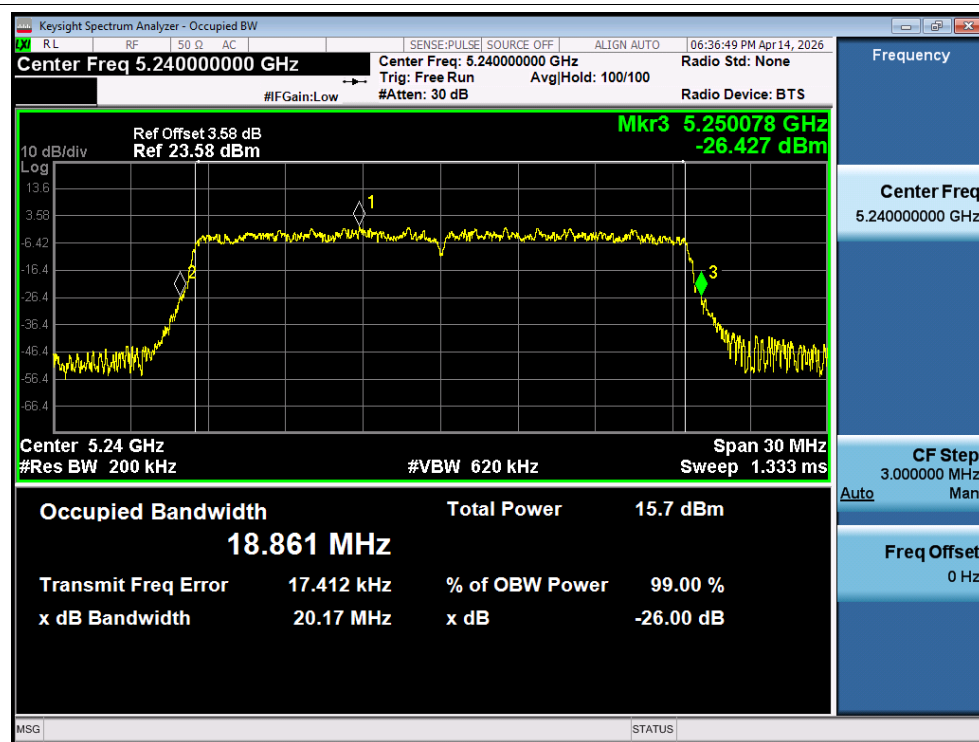
-26dB Bandwidth NVNT ax20 5180MHz AntA



-26dB Bandwidth NVNT ax20 5200MHz AntA



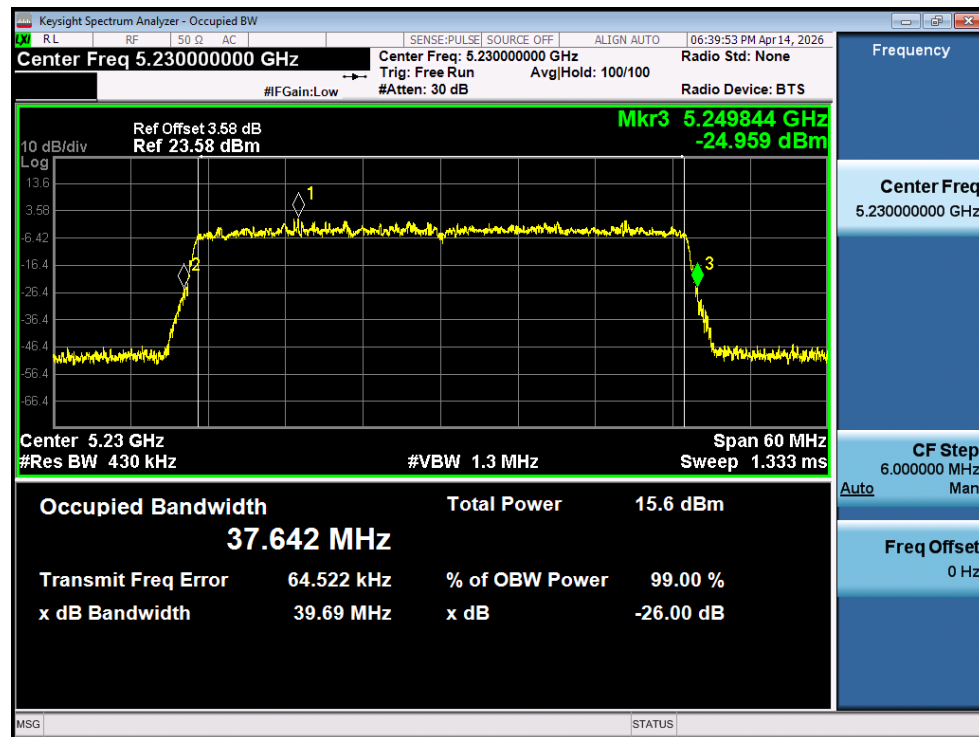
-26dB Bandwidth NVNT ax20 5240MHz AntA



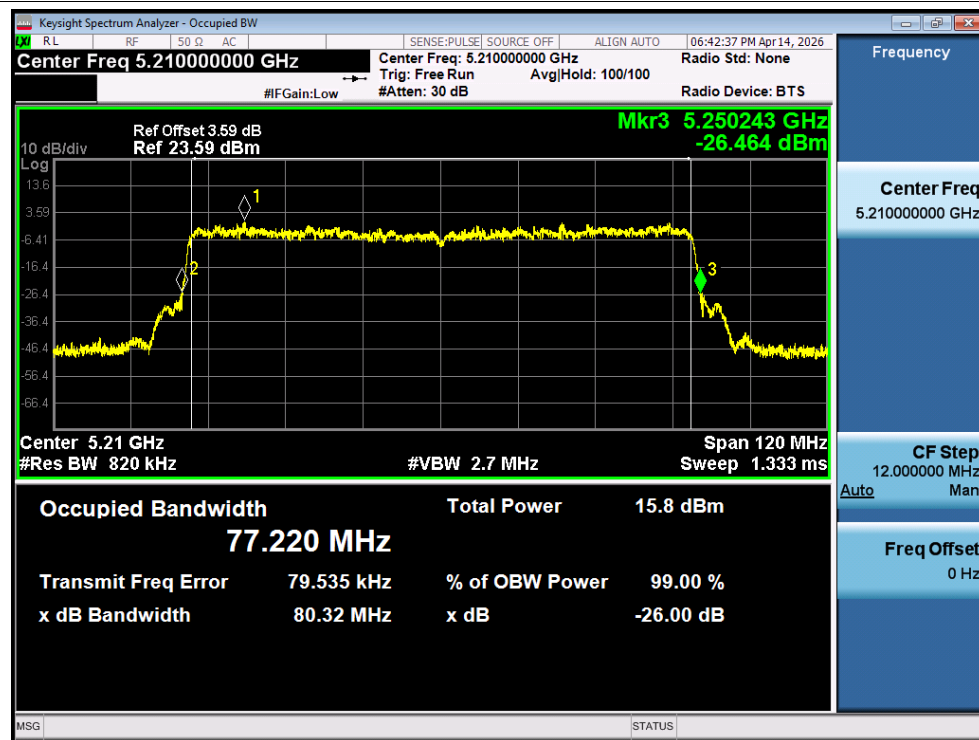
-26dB Bandwidth NVNT ax40 5190MHz AntA



-26dB Bandwidth NVNT ax40 5230MHz AntA



-26dB Bandwidth NVNT ax80 5210MHz AntA

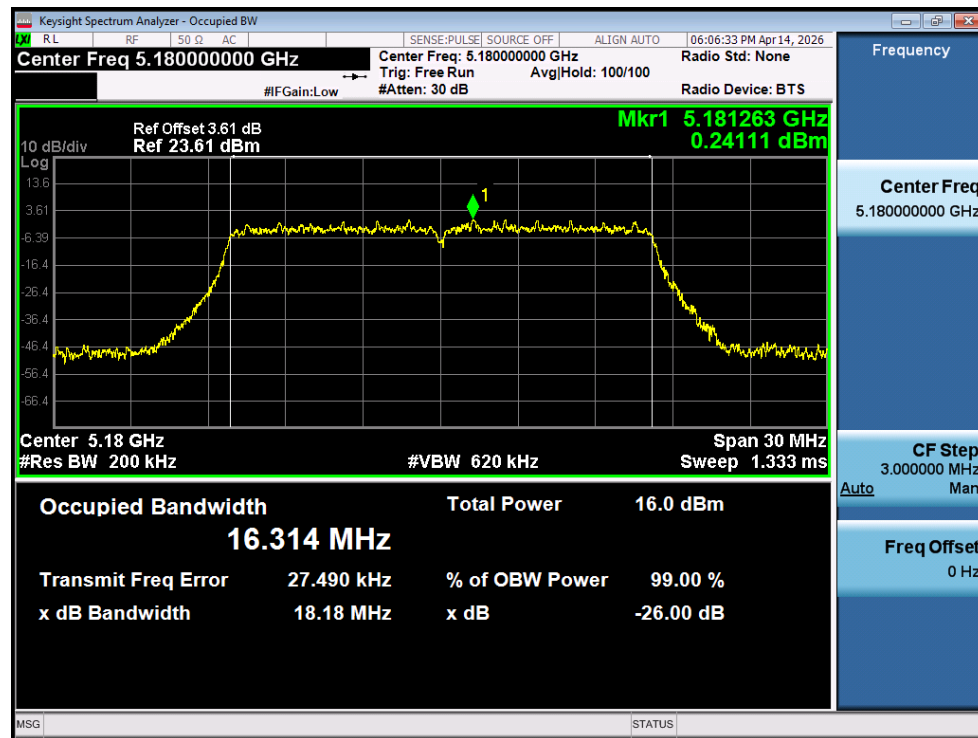


Occupied Channel Bandwidth

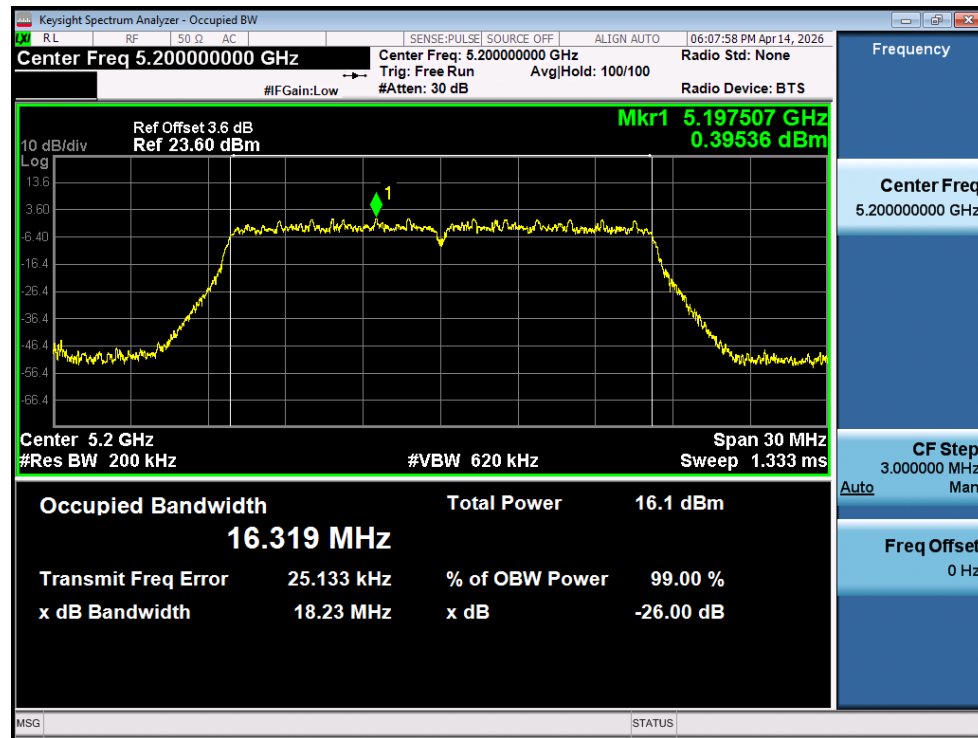
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	AntA	16.314
		5200		16.319
		5240		16.32
	n20	5180		17.516
		5200		17.504
		5240		17.502
	n40	5190		36.091
		5230		36.093
	ac20	5180		17.529
		5200		17.52
		5240		17.538
	ac40	5190		36.03
		5230		36.048
	ac80	5210		76.185
	ax20	5180		18.866
		5200		18.877
		5240		18.859
	ax40	5190		37.683
		5230		37.648
	ax80	5210		77.232

Test Graphs

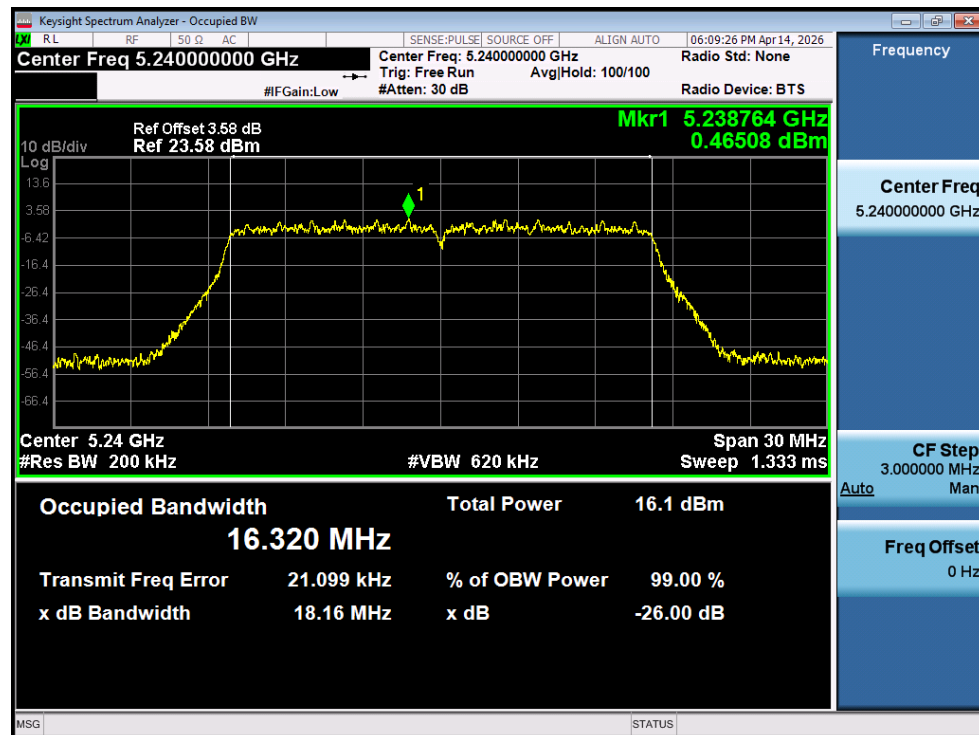
OBW NVNT a 5180MHz AntA



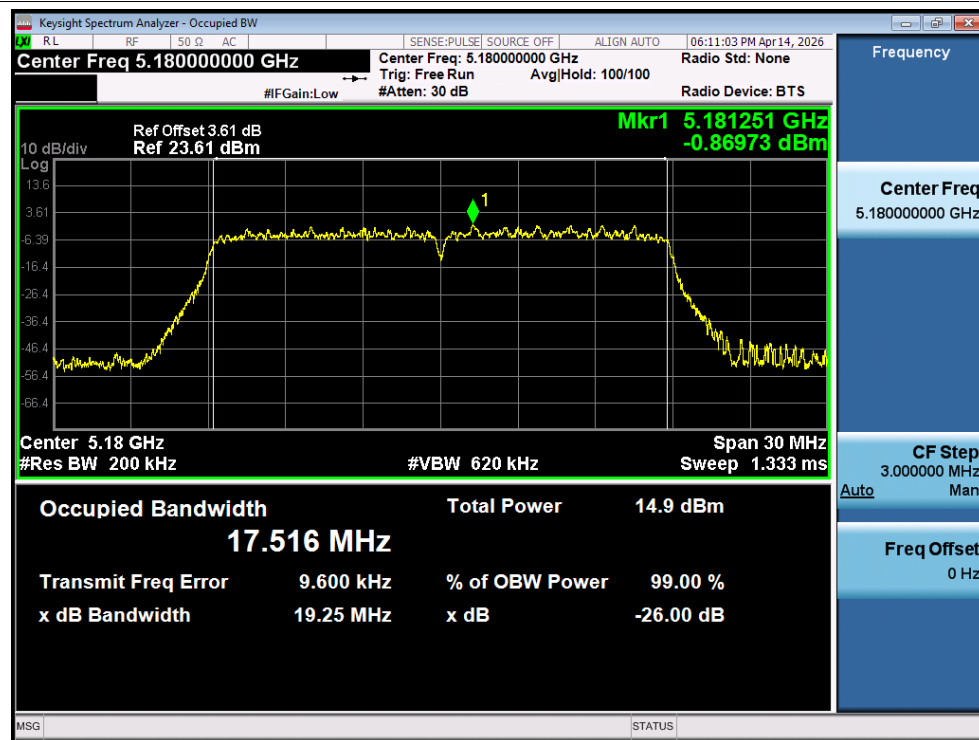
OBW NVNT a 5200MHz AntA



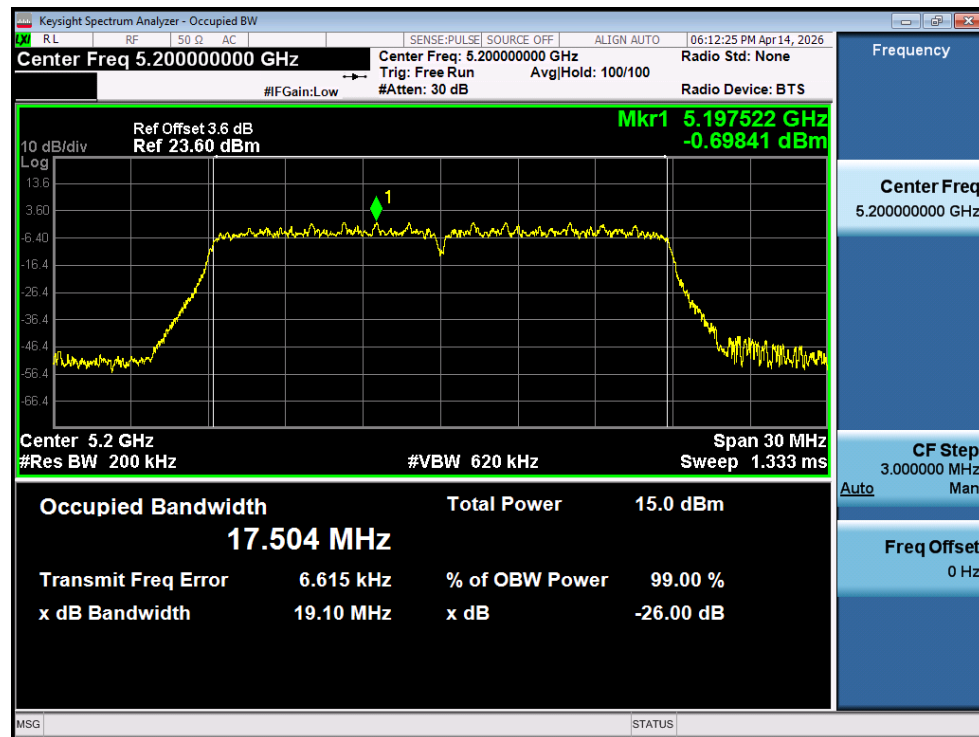
OBW NVNT a 5240MHz AntA



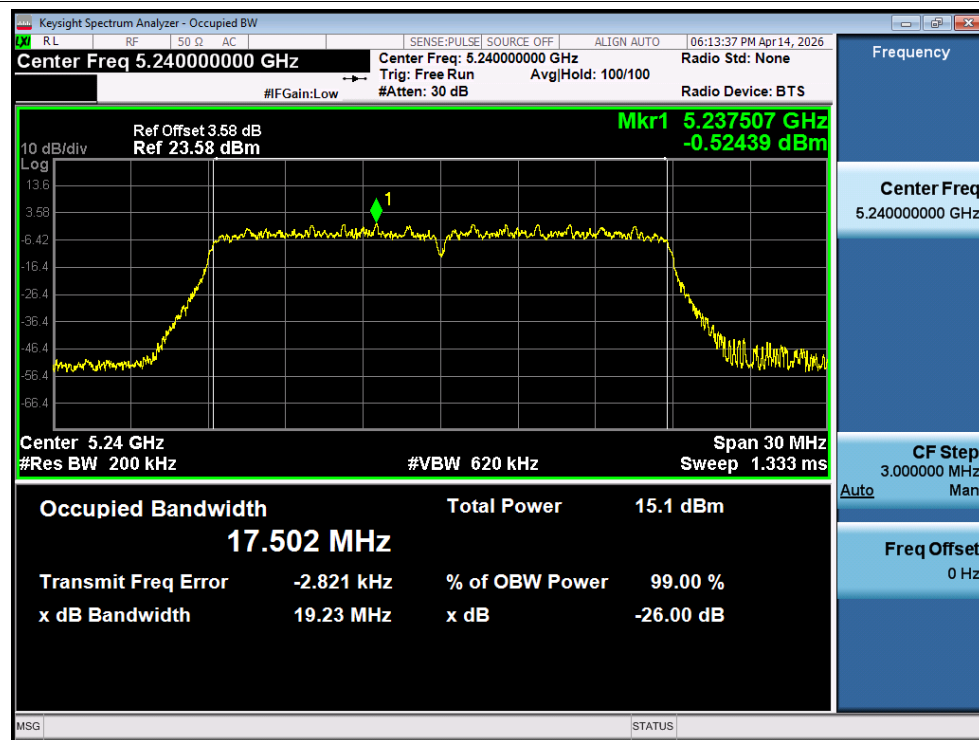
OBW NVNT n20 5180MHz AntA



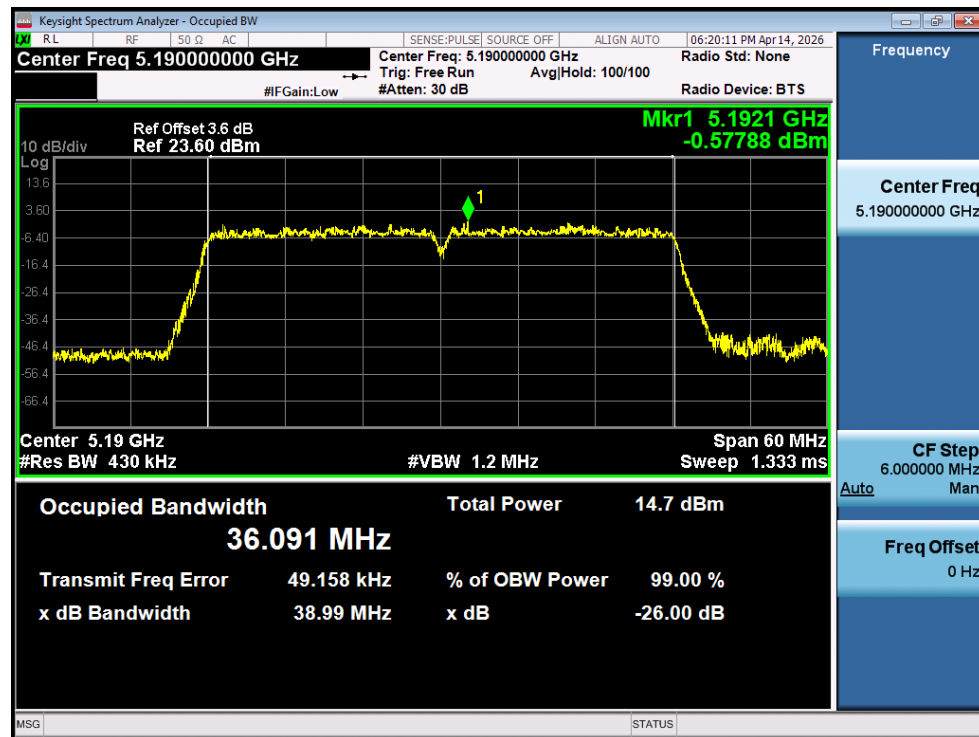
OBW NVNT n20 5200MHz AntA



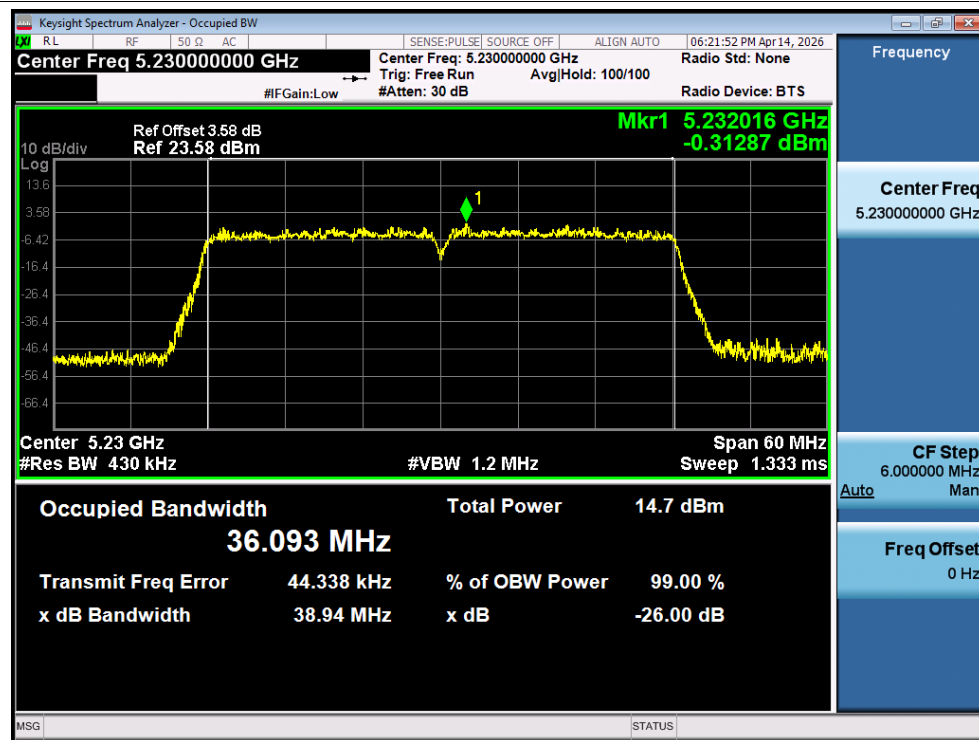
OBW NVNT n20 5240MHz AntA



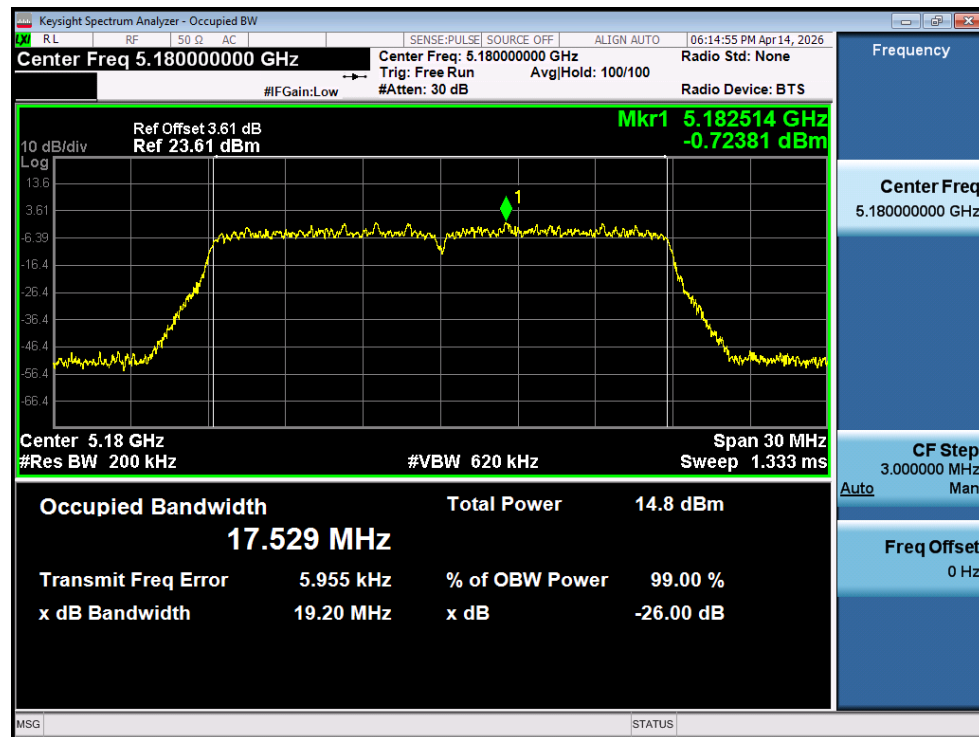
OBW NVNT n40 5190MHz AntA



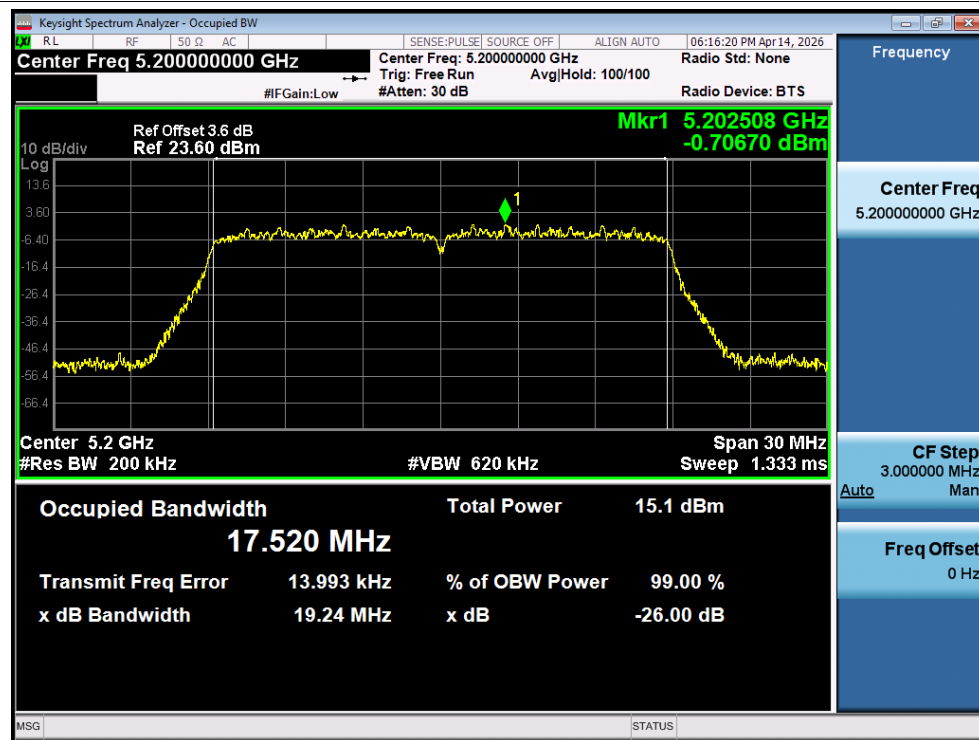
OBW NVNT n40 5230MHz AntA



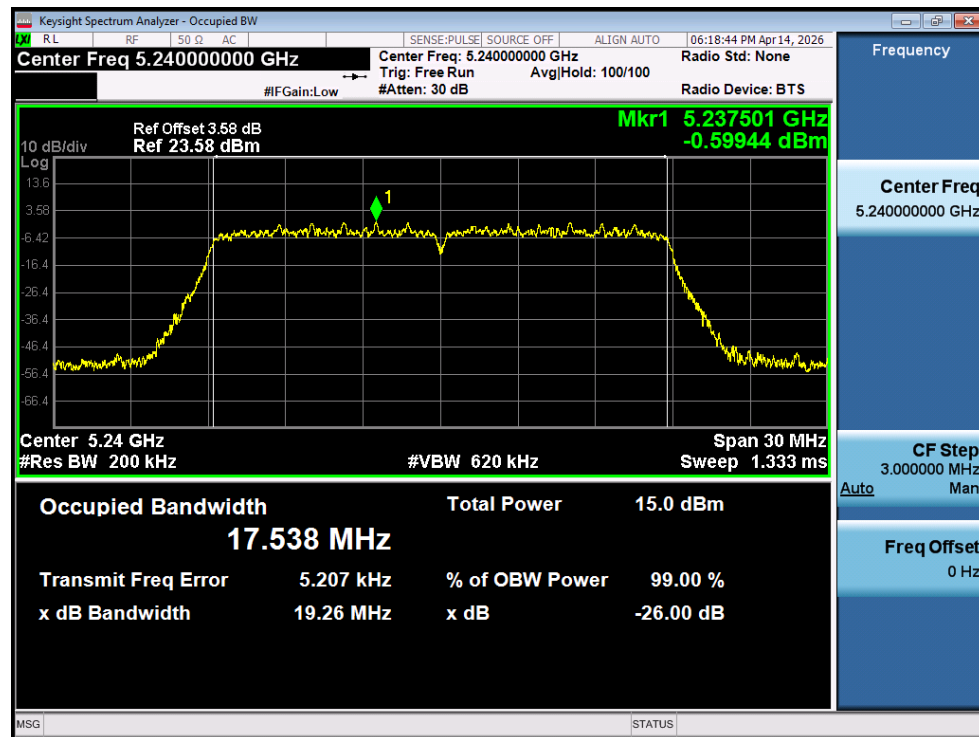
OBW NVNT ac20 5180MHz AntA



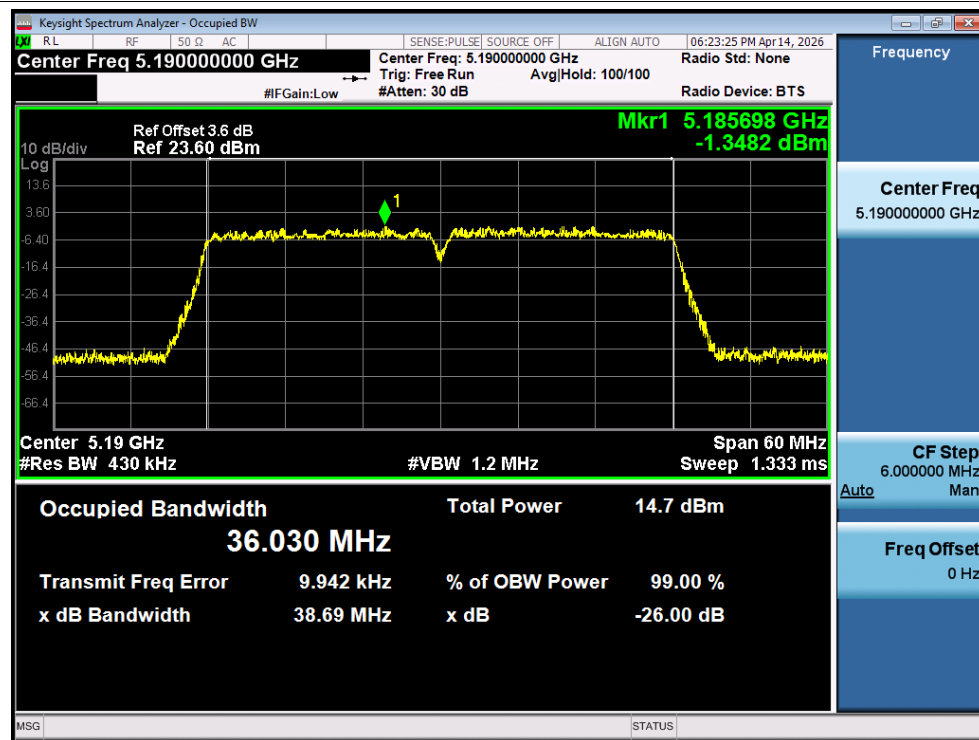
OBW NVNT ac20 5200MHz AntA



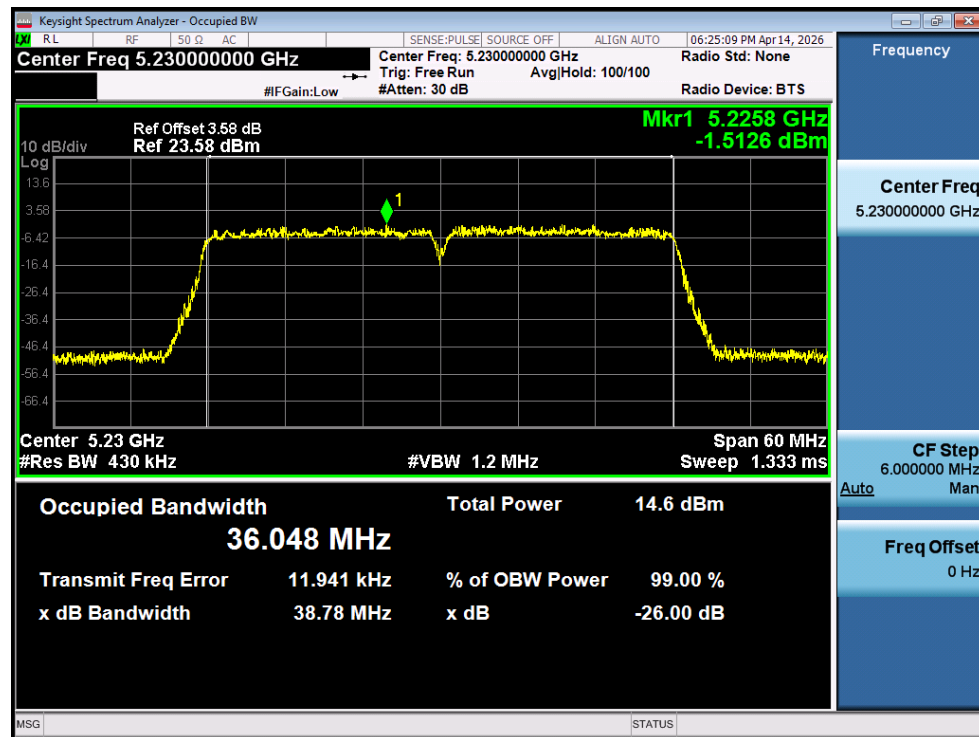
OBW NVNT ac20 5240MHz AntA



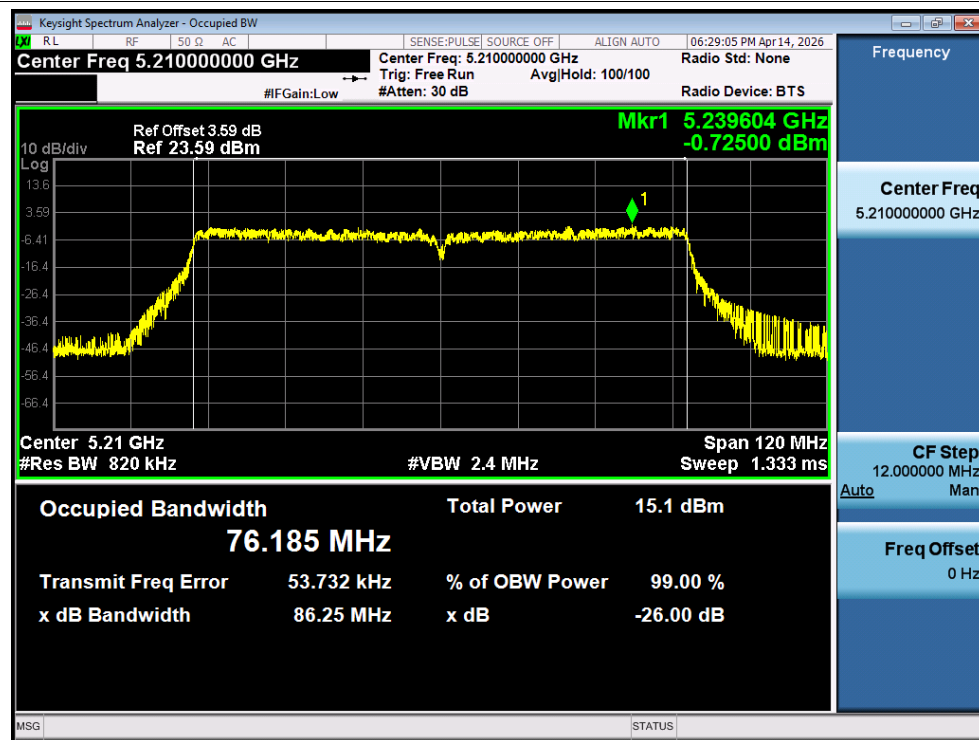
OBW NVNT ac40 5190MHz AntA



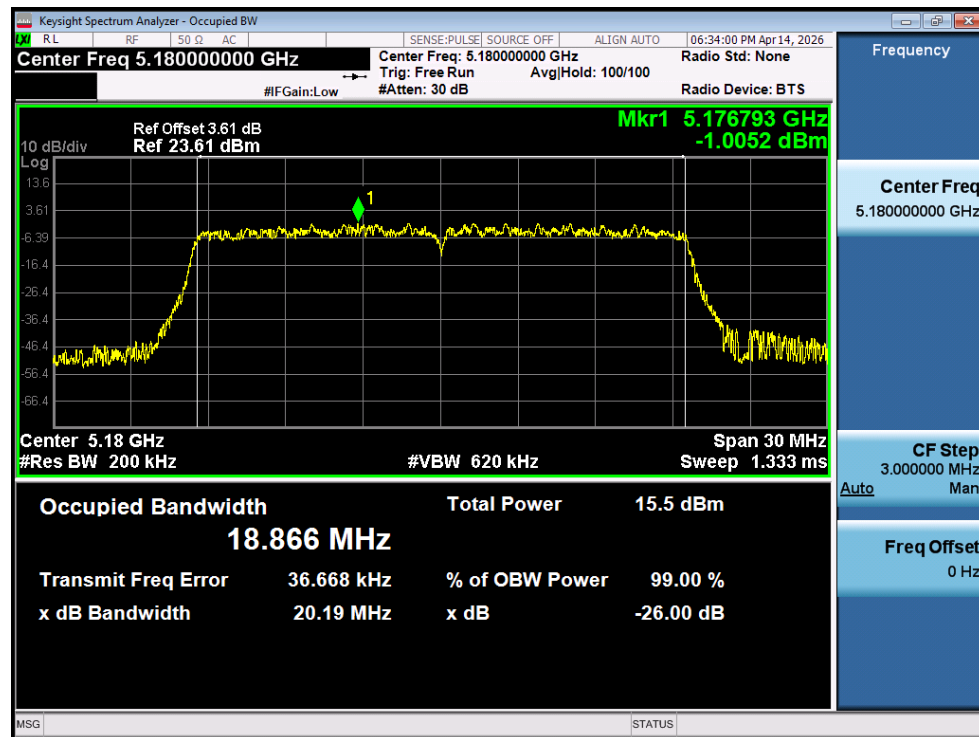
OBW NVNT ac40 5230MHz AntA



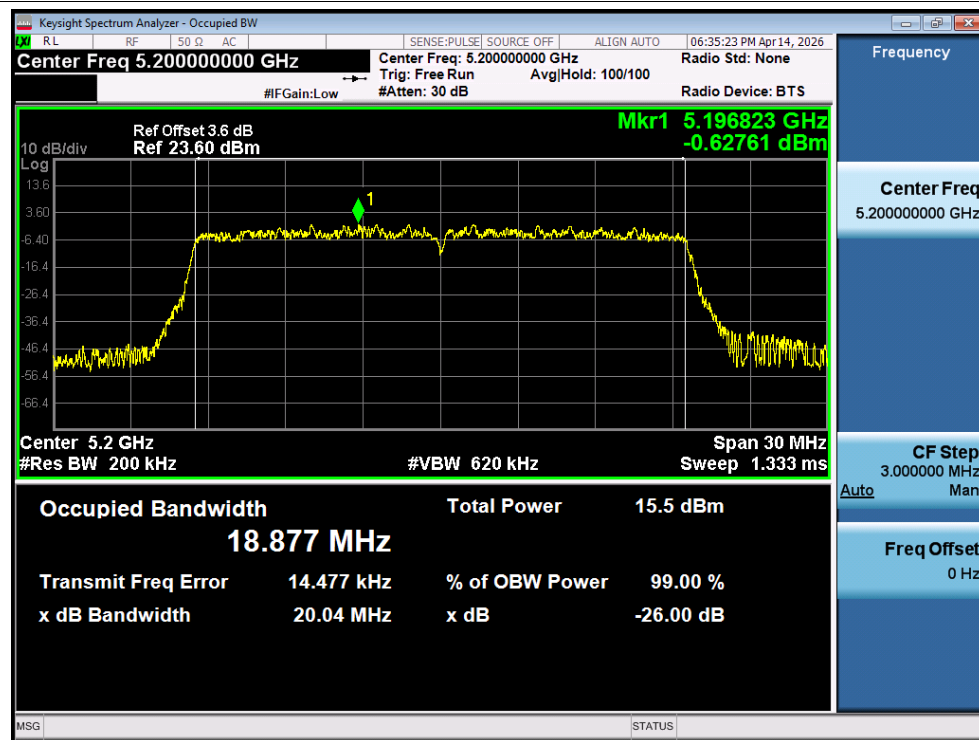
OBW NVNT ac80 5210MHz AntA



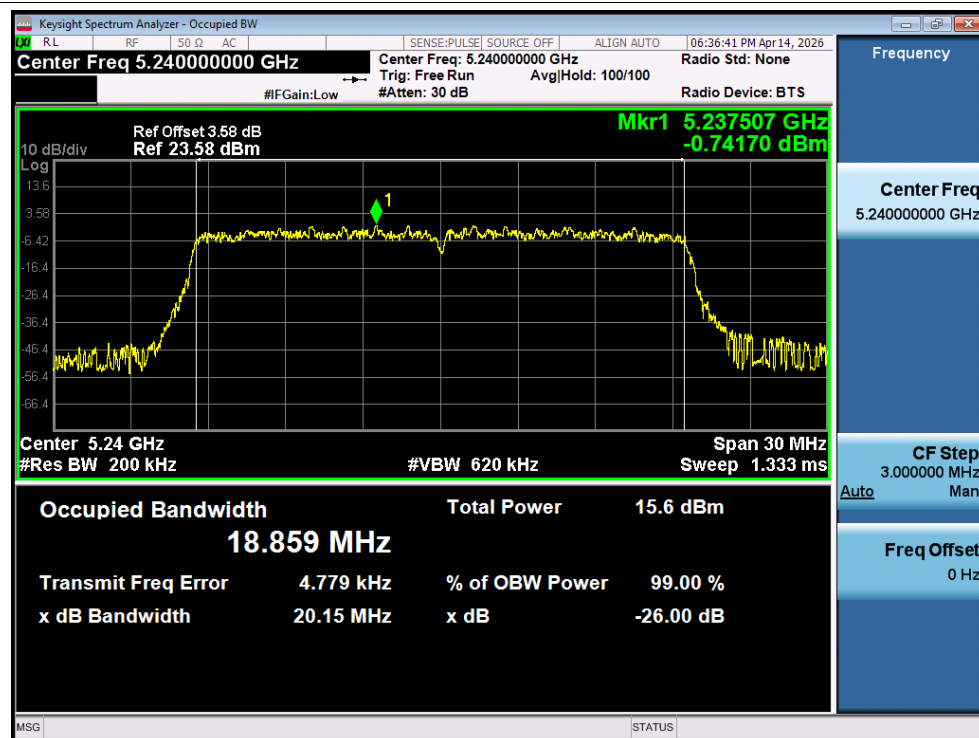
OBW NVNT ax20 5180MHz AntA



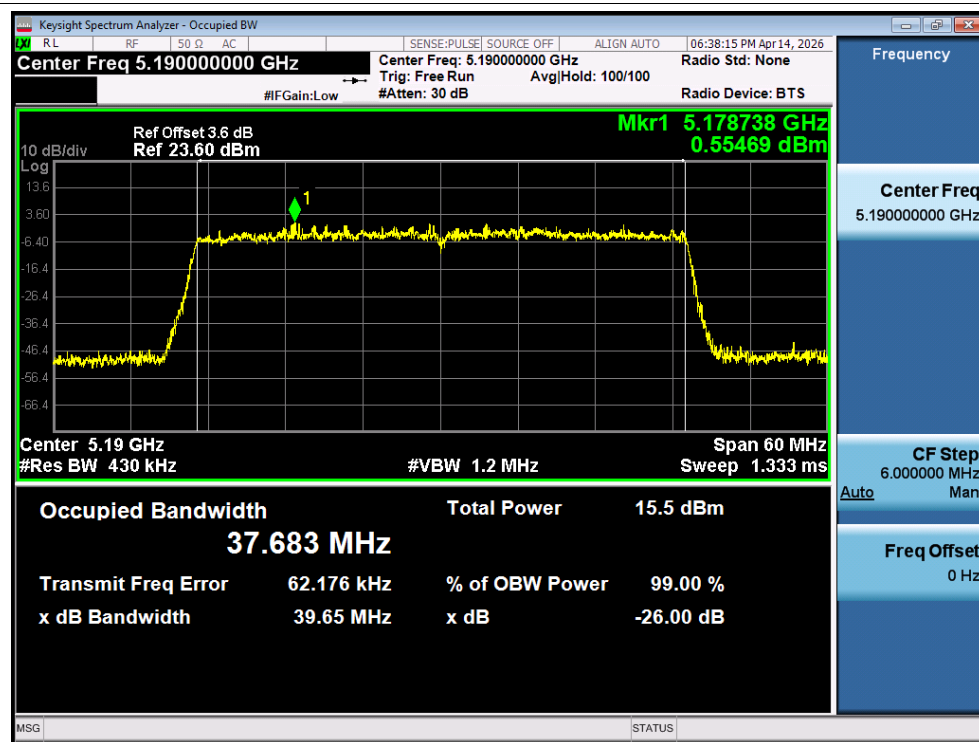
OBW NVNT ax20 5200MHz AntA



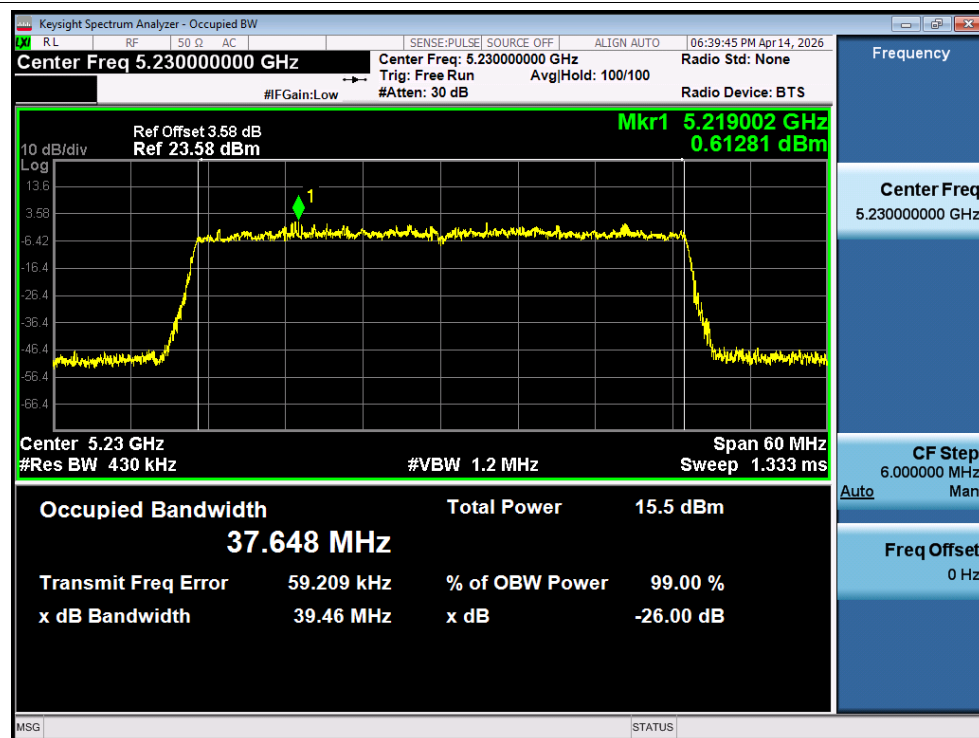
OBW NVNT ax20 5240MHz AntA



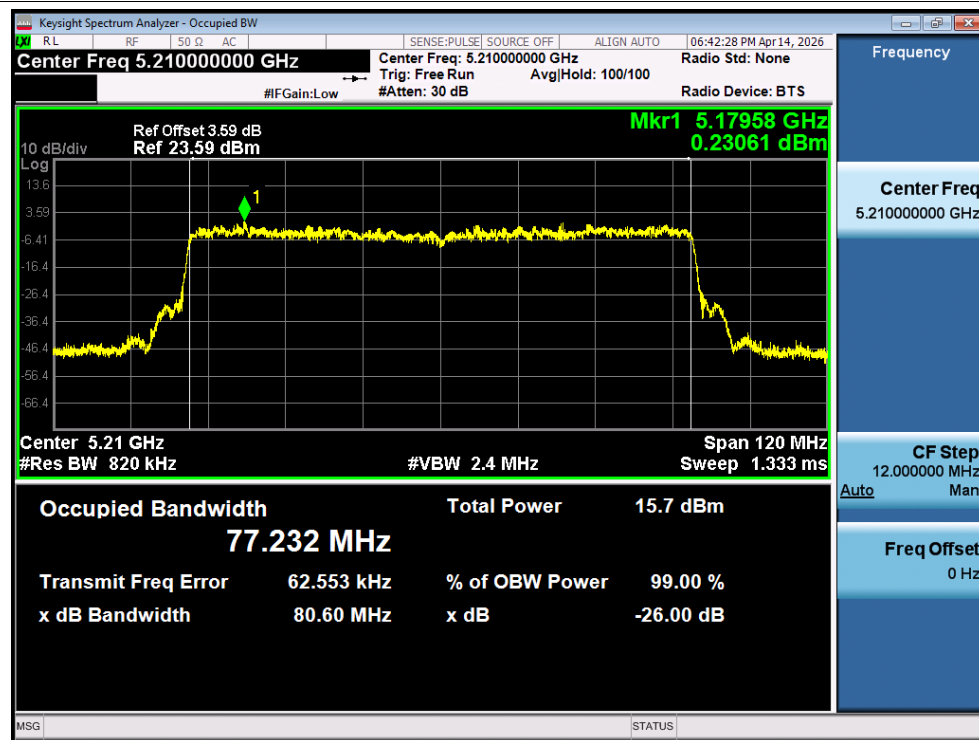
OBW NVNT ax40 5190MHz AntA



OBW NVNT ax40 5230MHz AntA



OBW NVNT ax80 5210MHz AntA



Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	AntA	-0.9	1.12	0.22	11	Pass
NVNT	a	5200	AntA	-0.5	1.12	0.62	11	Pass
NVNT	a	5240	AntA	-0.54	1.12	0.58	11	Pass
NVNT	n20	5180	AntA	-2.19	1.29	-0.90	11	Pass
NVNT	n20	5200	AntA	-2.03	1.29	-0.74	11	Pass
NVNT	n20	5240	AntA	-2.13	1.29	-0.84	11	Pass
NVNT	n40	5190	AntA	-5.71	2.11	-3.60	11	Pass
NVNT	n40	5230	AntA	-5.76	2.11	-3.65	11	Pass
NVNT	ac20	5180	AntA	-1.74	1.25	-0.49	11	Pass
NVNT	ac20	5200	AntA	-2.04	1.25	-0.79	11	Pass
NVNT	ac20	5240	AntA	-1.85	1.25	-0.60	11	Pass
NVNT	ac40	5190	AntA	-5.6	2.01	-3.59	11	Pass
NVNT	ac40	5230	AntA	-5.85	2.01	-3.84	11	Pass
NVNT	ac80	5210	AntA	-9	3.47	-5.53	11	Pass
NVNT	ax20	5180	AntA	-1.81	1.37	-0.44	11	Pass
NVNT	ax20	5200	AntA	-2.45	1.37	-1.08	11	Pass
NVNT	ax20	5240	AntA	-2.08	1.37	-0.71	11	Pass
NVNT	ax40	5190	AntA	-5.96	2.27	-3.69	11	Pass
NVNT	ax40	5230	AntA	-6.06	2.27	-3.79	11	Pass
NVNT	ax80	5210	AntA	-9.12	3.01	-6.11	11	Pass

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
			Ant A	Ant B	Total		
NVNT	a	5180	0.22	1.37	/	17	Pass
NVNT	a	5200	0.62	1.51	/	17	Pass
NVNT	a	5240	0.58	1.54	/	17	Pass
NVNT	n20	5180	-0.90	-0.10	2.53	17	Pass
NVNT	n20	5200	-0.74	0.15	2.74	17	Pass
NVNT	n20	5240	-0.84	0.48	2.88	17	Pass
NVNT	n40	5190	-3.60	-3.95	-0.76	17	Pass
NVNT	n40	5230	-3.65	-3.82	-0.72	17	Pass
NVNT	ac20	5180	-0.49	0.57	3.08	17	Pass
NVNT	ac20	5200	-0.79	0.17	2.73	17	Pass
NVNT	ac20	5240	-0.60	0.12	2.79	17	Pass
NVNT	ac40	5190	-3.59	-3.05	-0.30	17	Pass
NVNT	ac40	5230	-3.84	-3.02	-0.40	17	Pass
NVNT	ac80	5210	-5.53	-5.02	-2.26	17	Pass
NVNT	ax20	5180	-0.44	-0.35	2.62	17	Pass
NVNT	ax20	5200	-1.08	-0.16	2.41	17	Pass
NVNT	ax20	5240	-0.71	0.01	2.68	17	Pass
NVNT	ax40	5190	-3.69	-3.24	-0.45	17	Pass
NVNT	ax40	5230	-3.79	-3.22	-0.49	17	Pass
NVNT	ax80	5210	-6.11	-5.26	-2.65	17	Pass

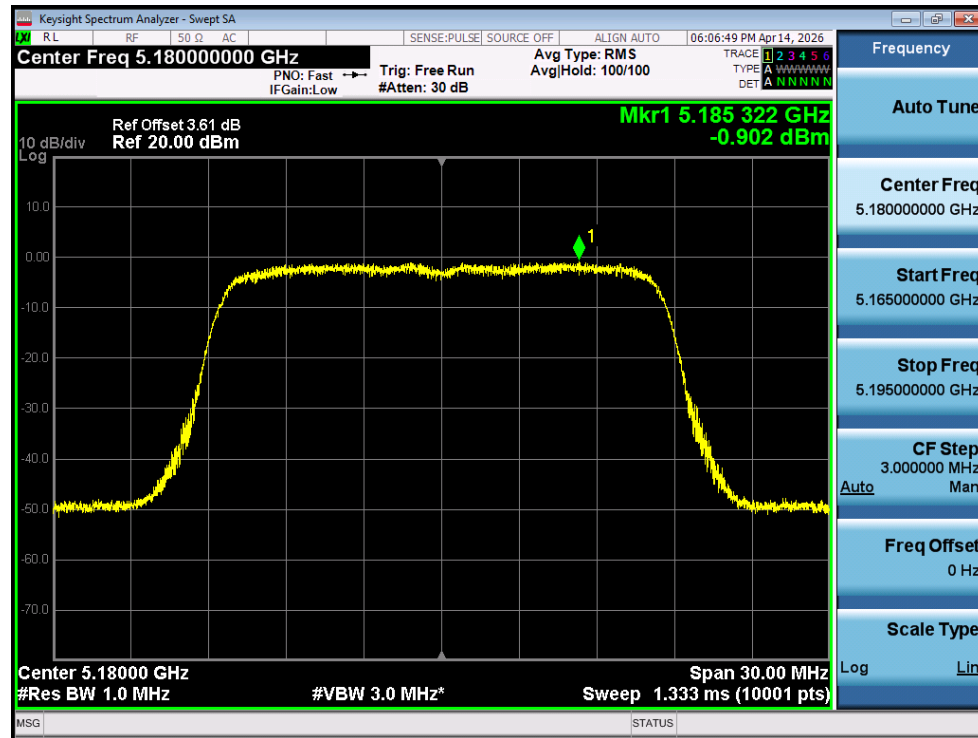
Note:

Antenna A gain: 1.93 dBi, Antenna B gain: 1.93 dBi, Directional gain=[GainANT + 10 log(NANT/NSS) dBi] =3.94 dBi>6dbi

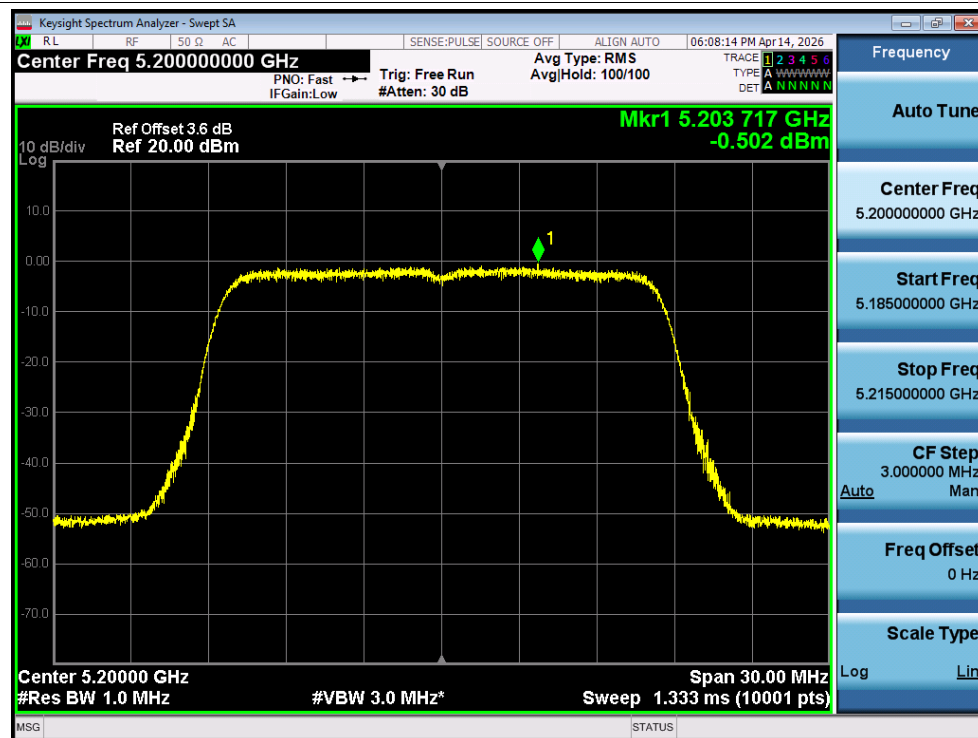
Limit=17 dbi

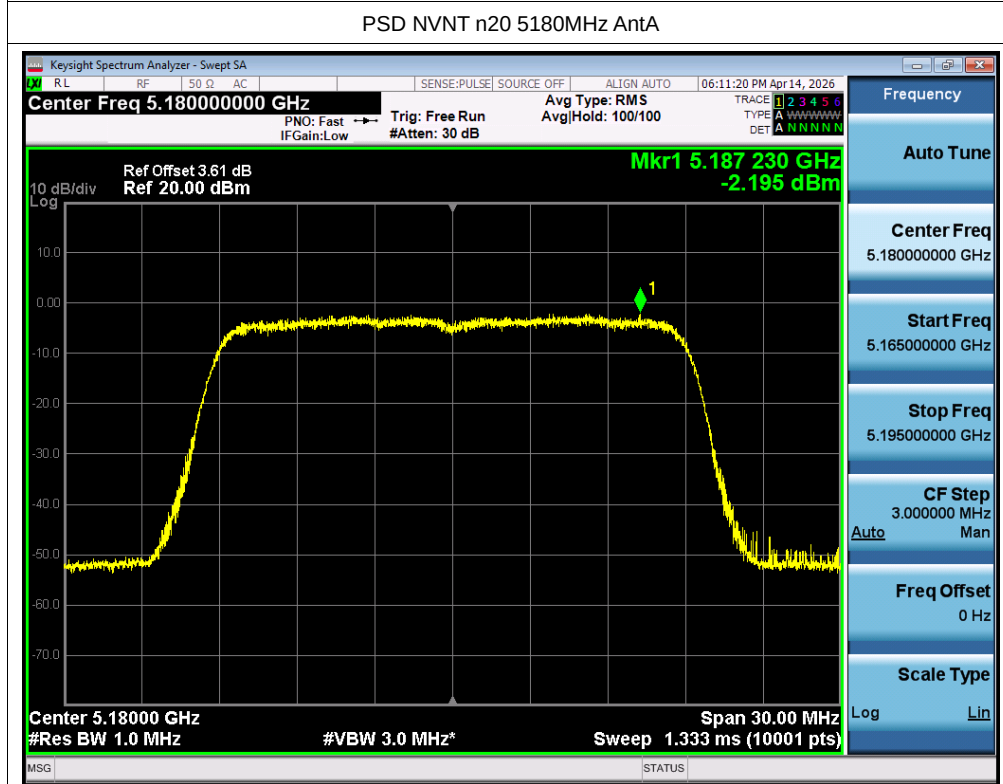
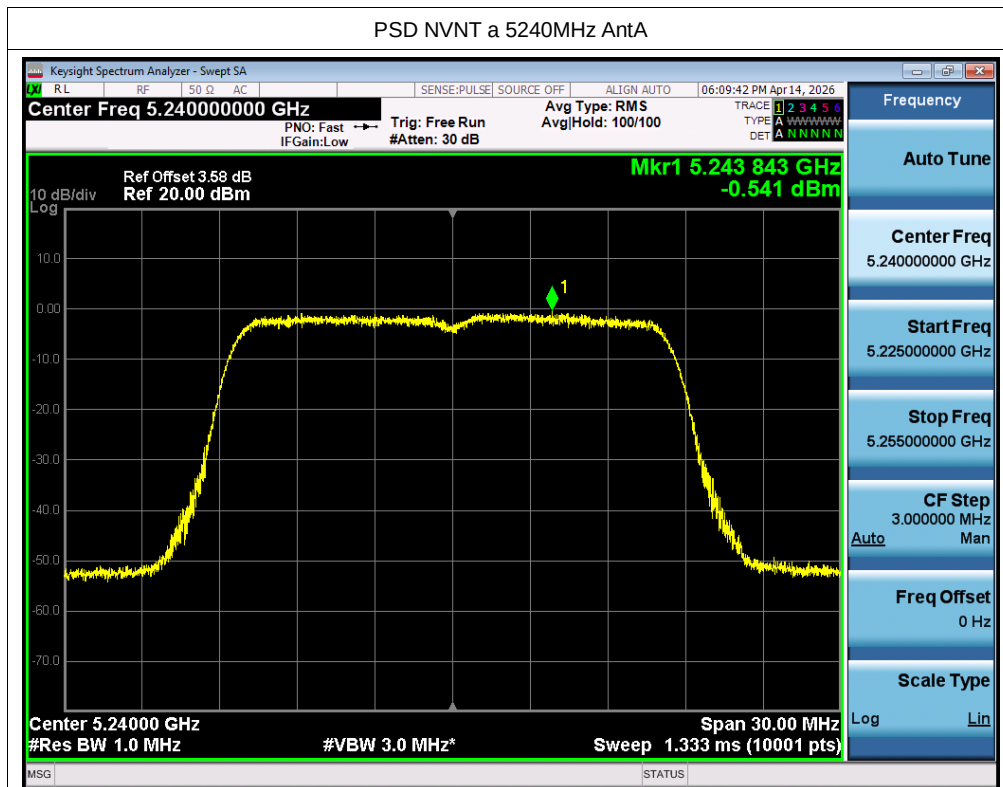
Test Graphs

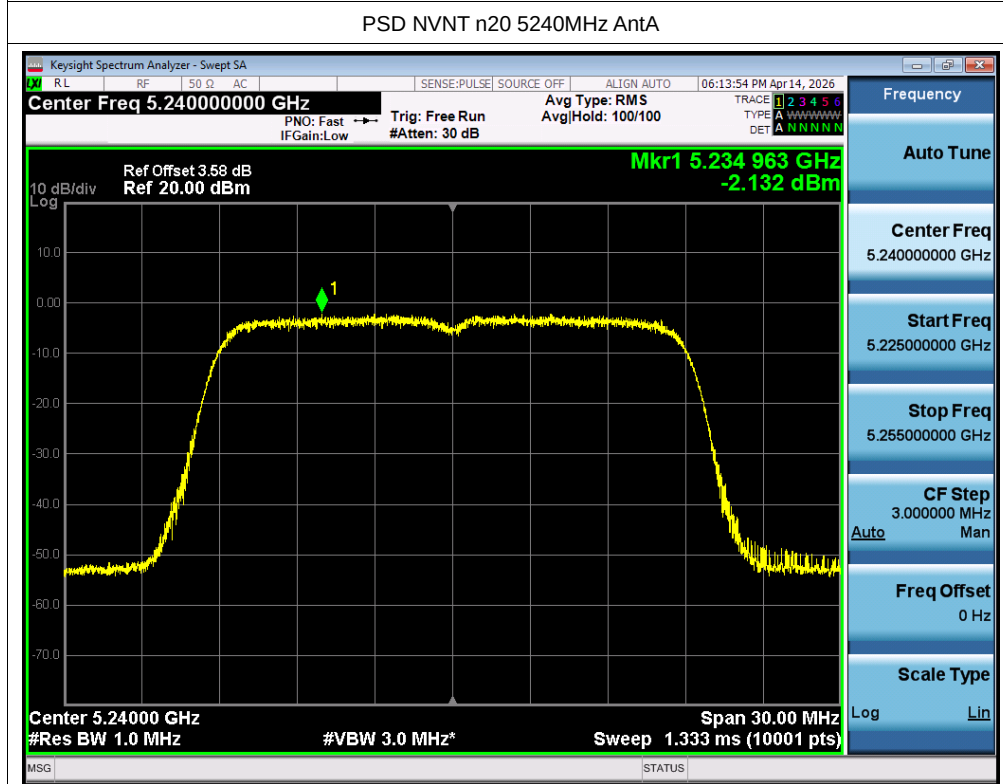
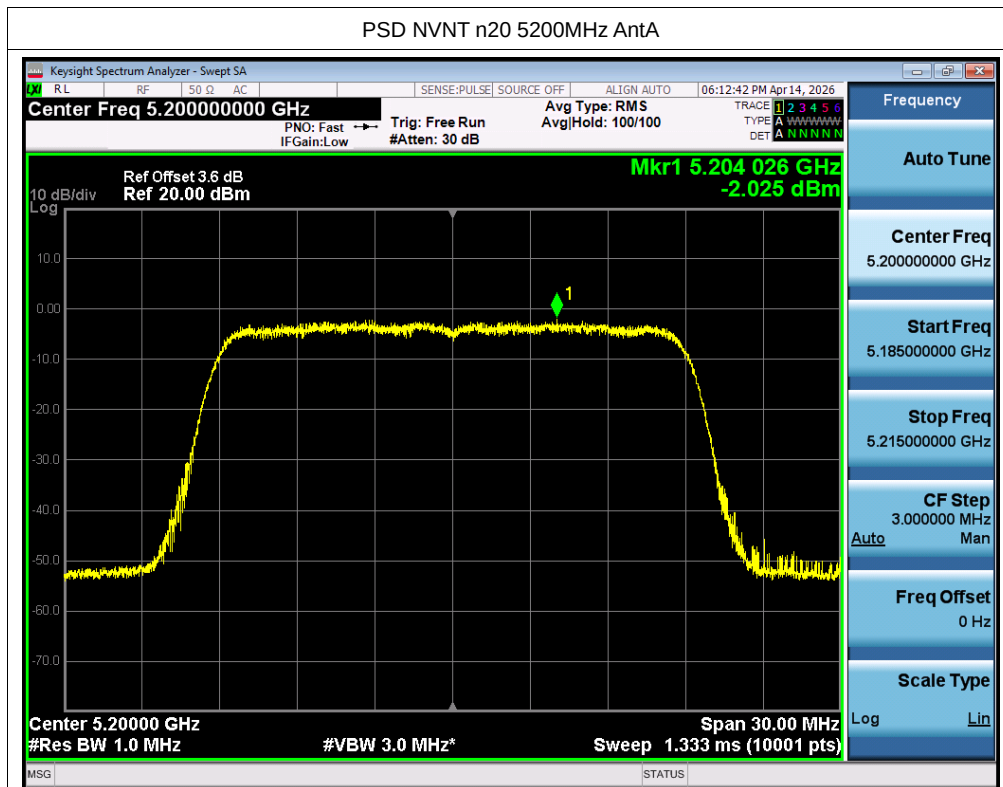
PSD NVNT a 5180MHz AntA

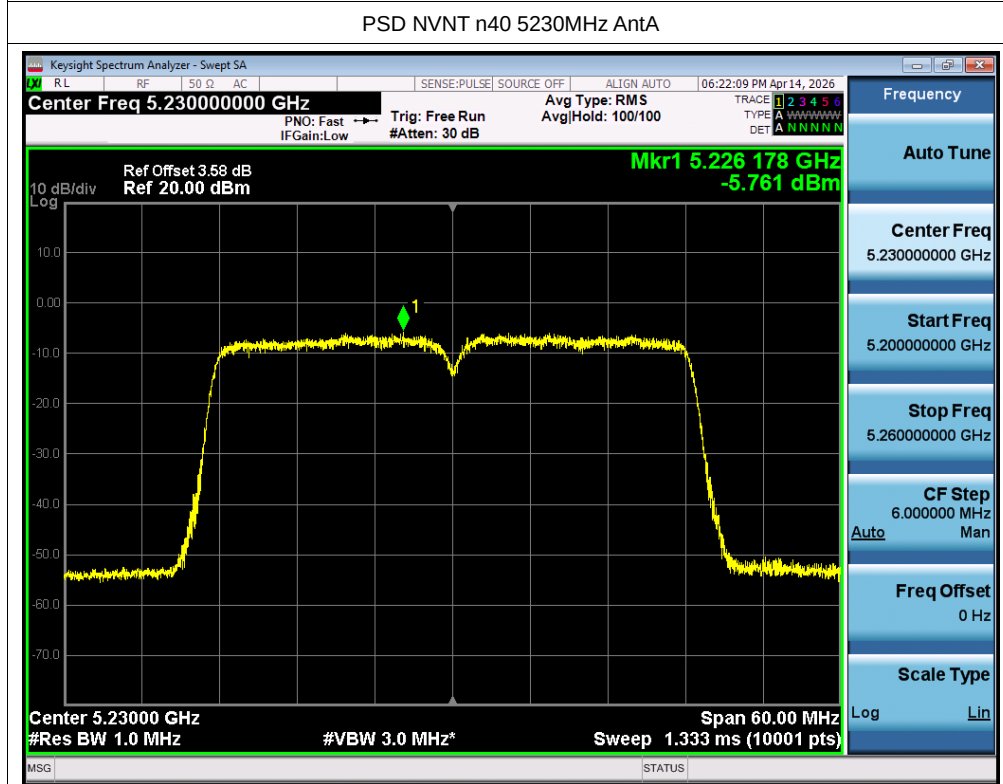
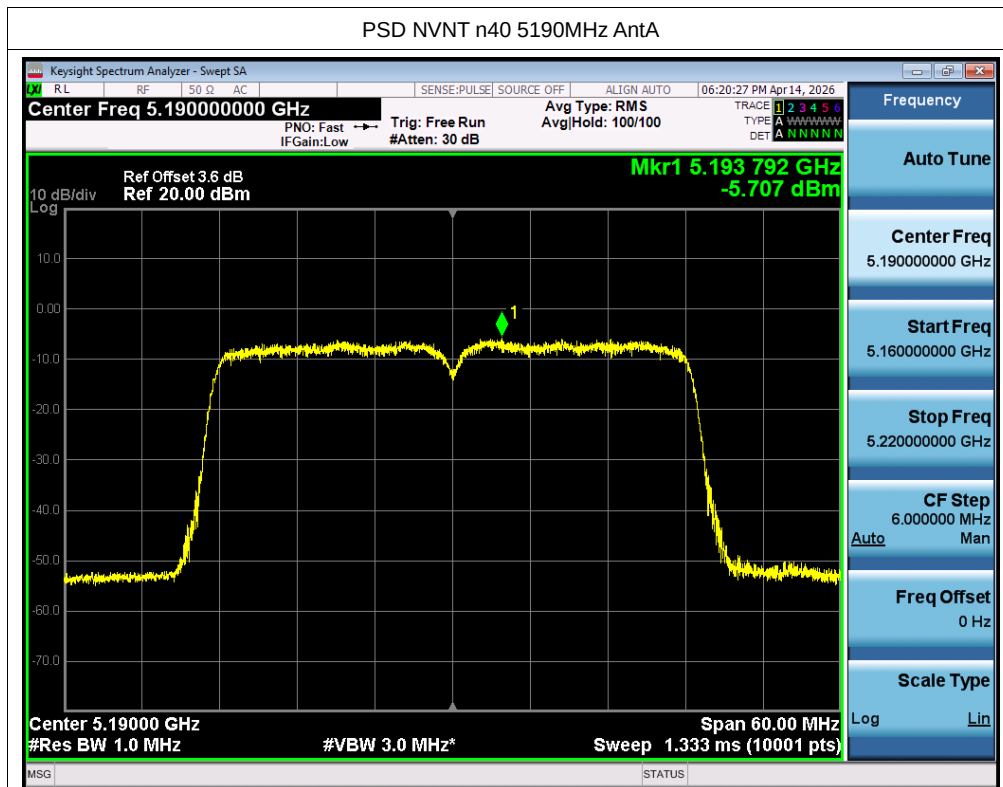


PSD NVNT a 5200MHz AntA

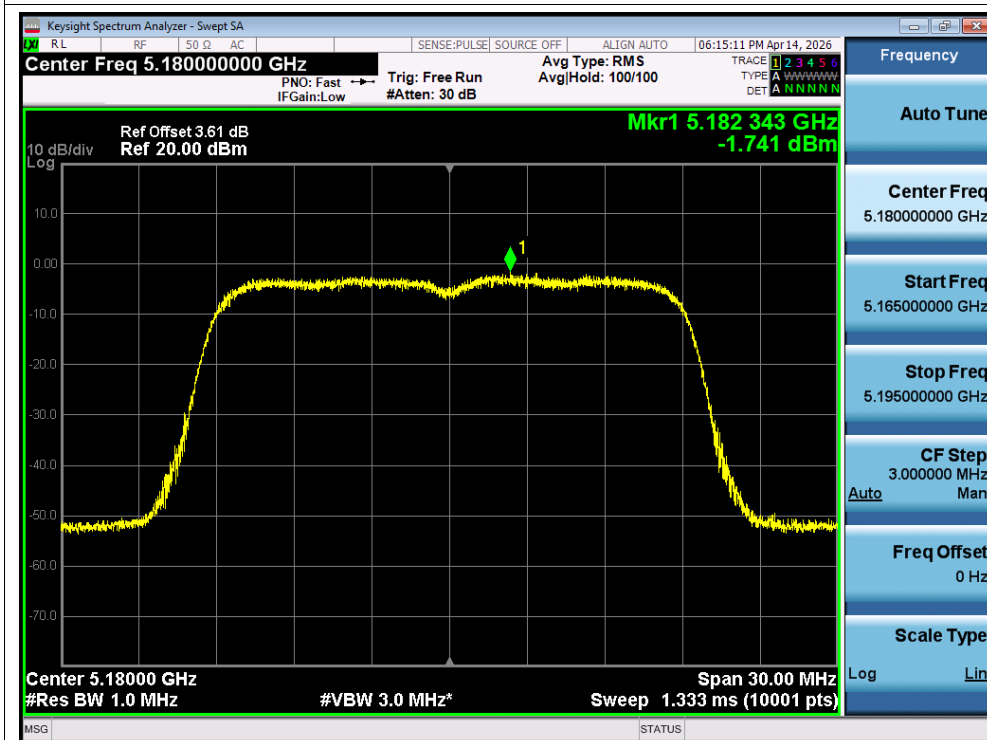




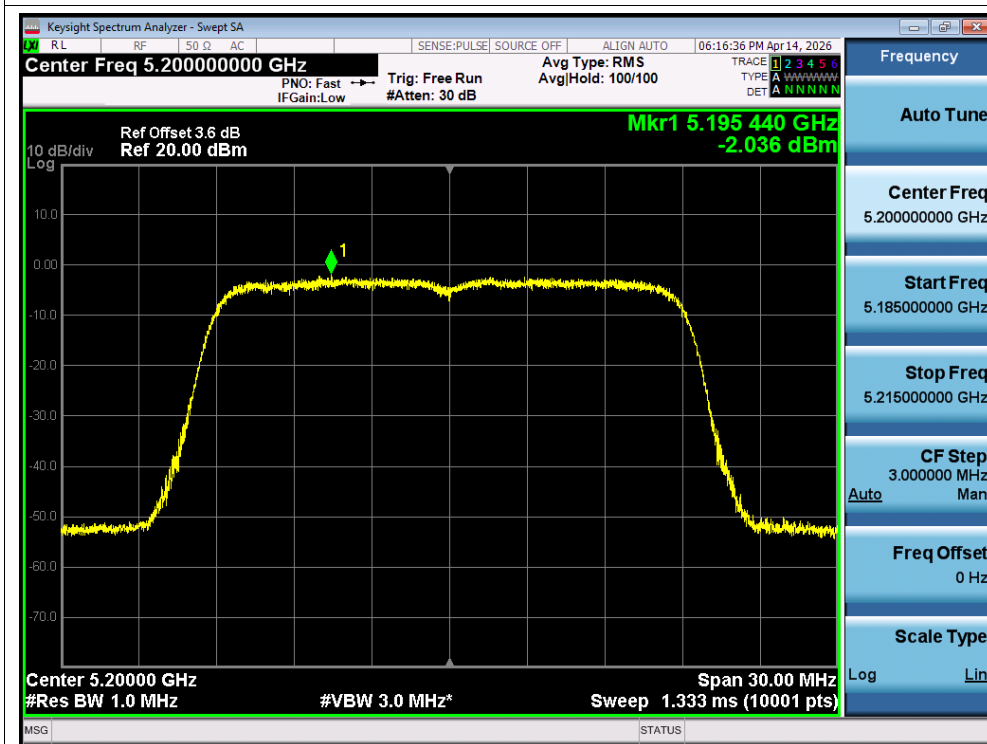




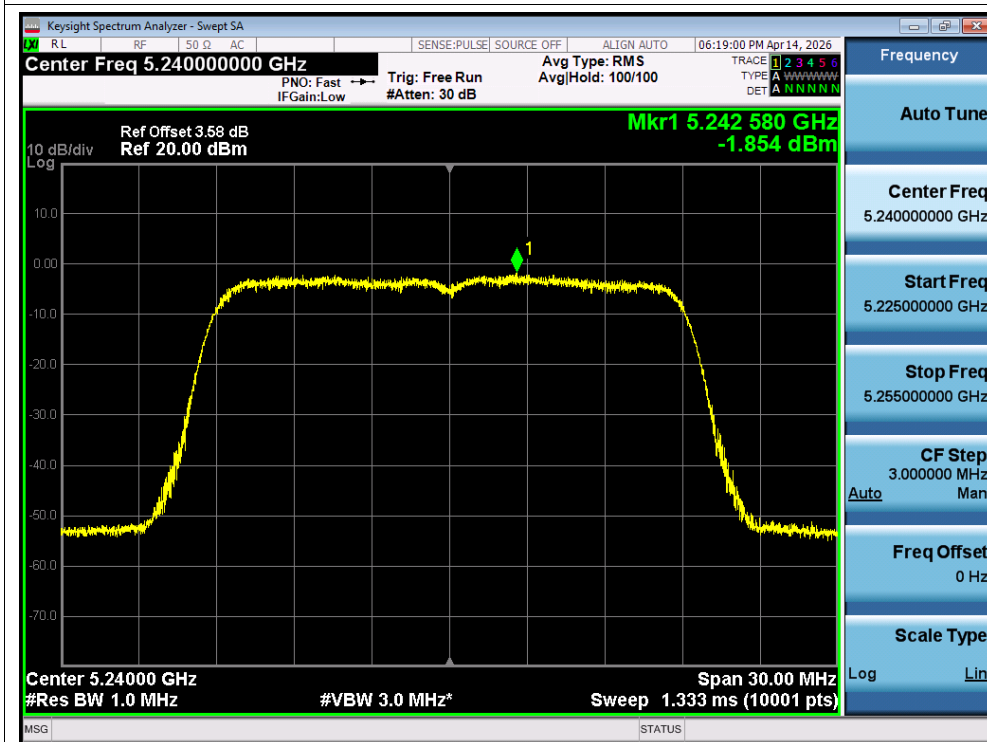
PSD NVNT ac20 5180MHz AntA



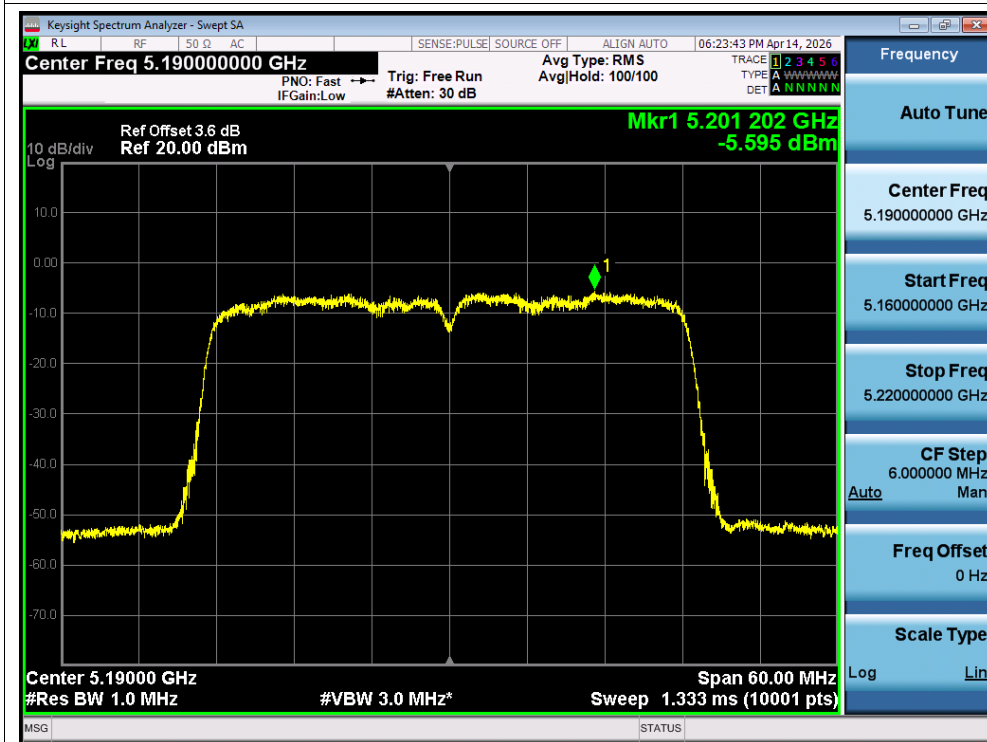
PSD NVNT ac20 5200MHz AntA



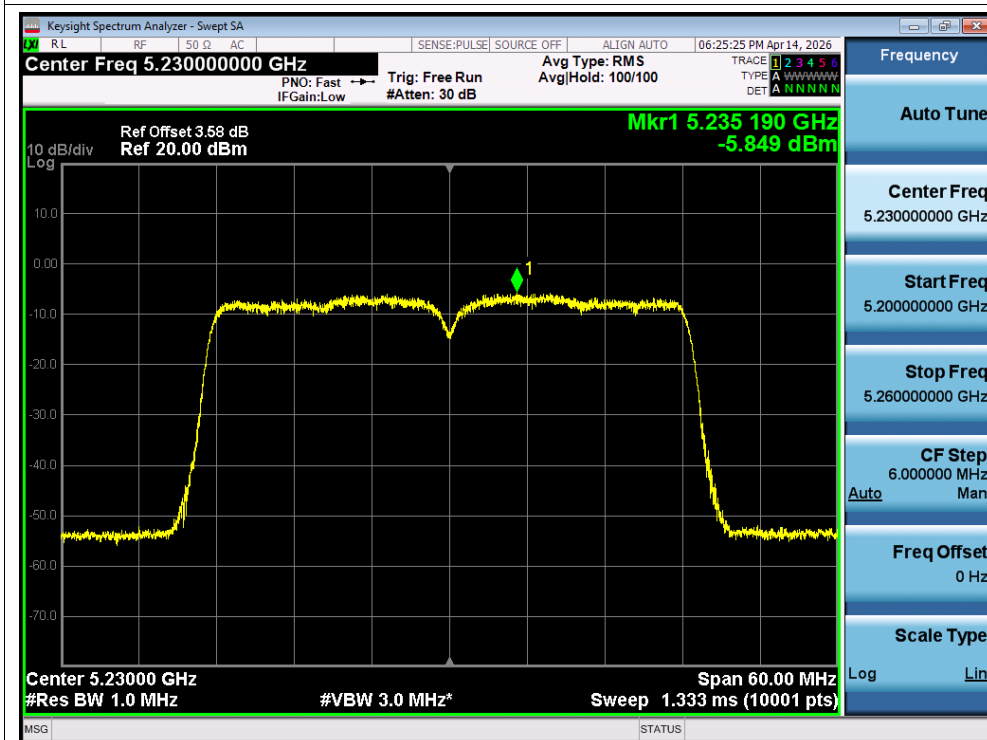
PSD NVNT ac20 5240MHz AntA



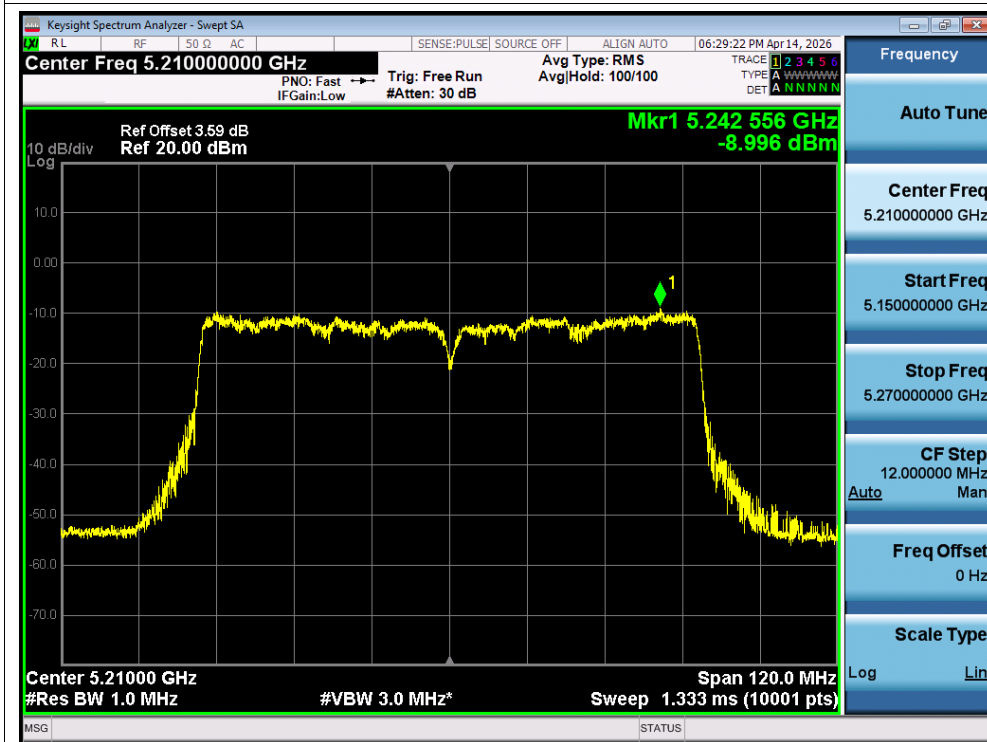
PSD NVNT ac40 5190MHz AntA



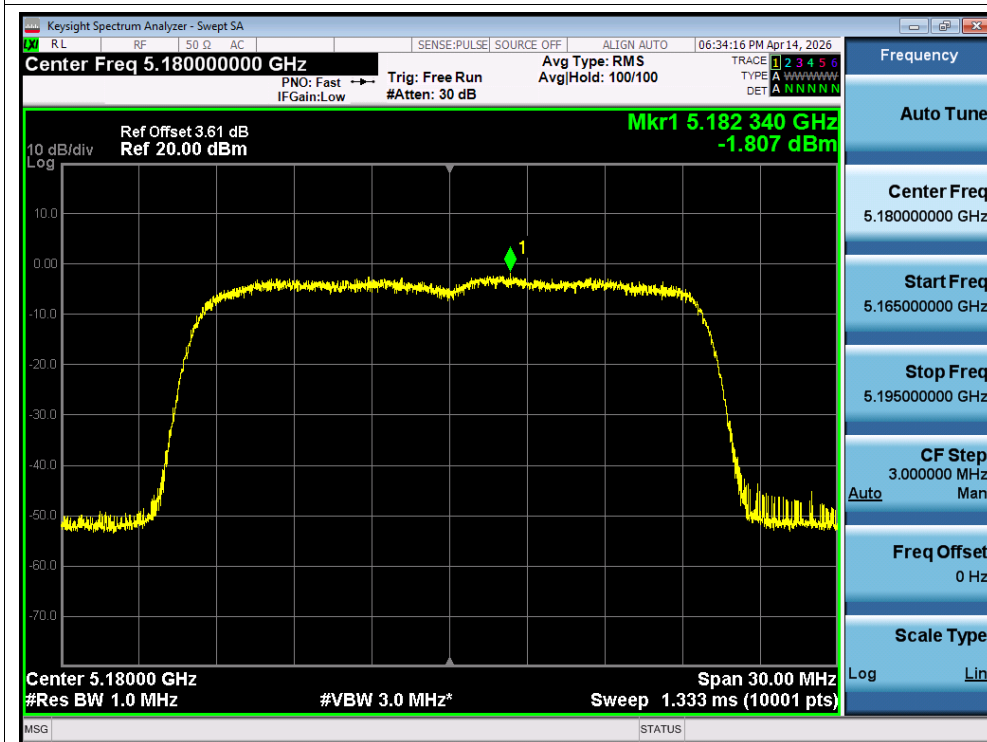
PSD NVNT ac40 5230MHz AntA



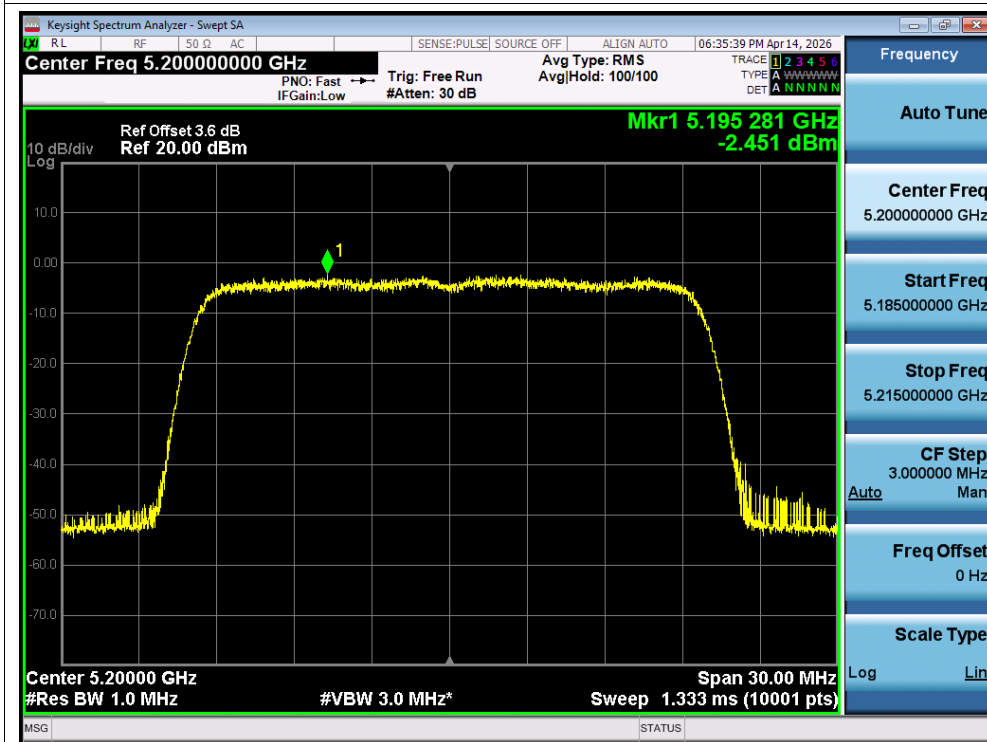
PSD NVNT ac80 5210MHz AntA



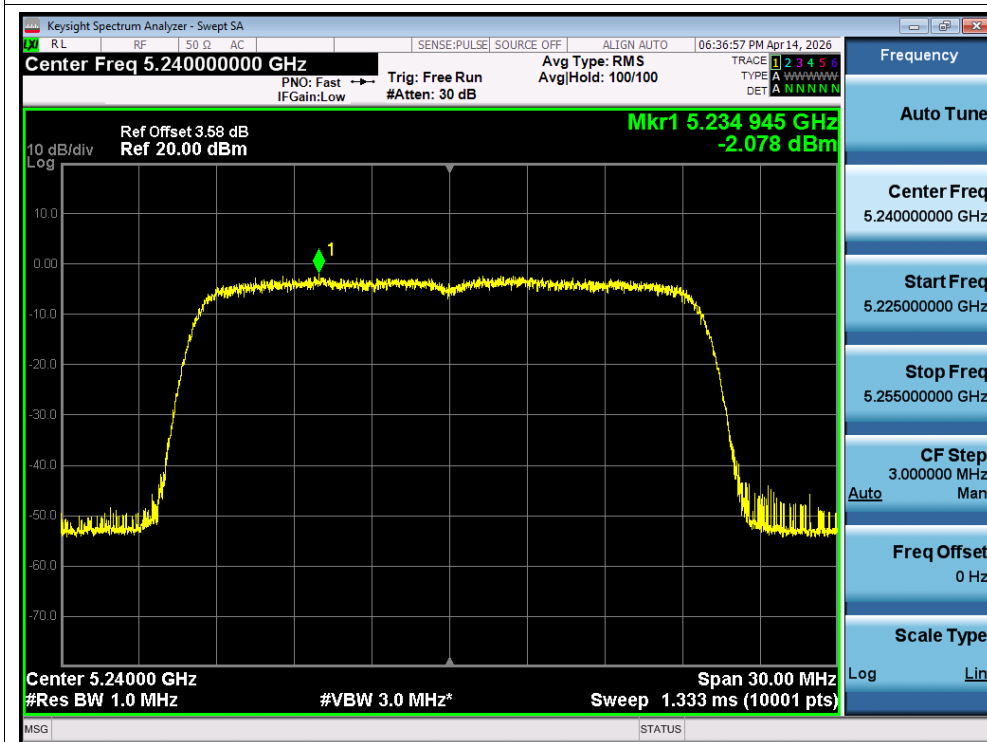
PSD NVNT ax20 5180MHz AntA



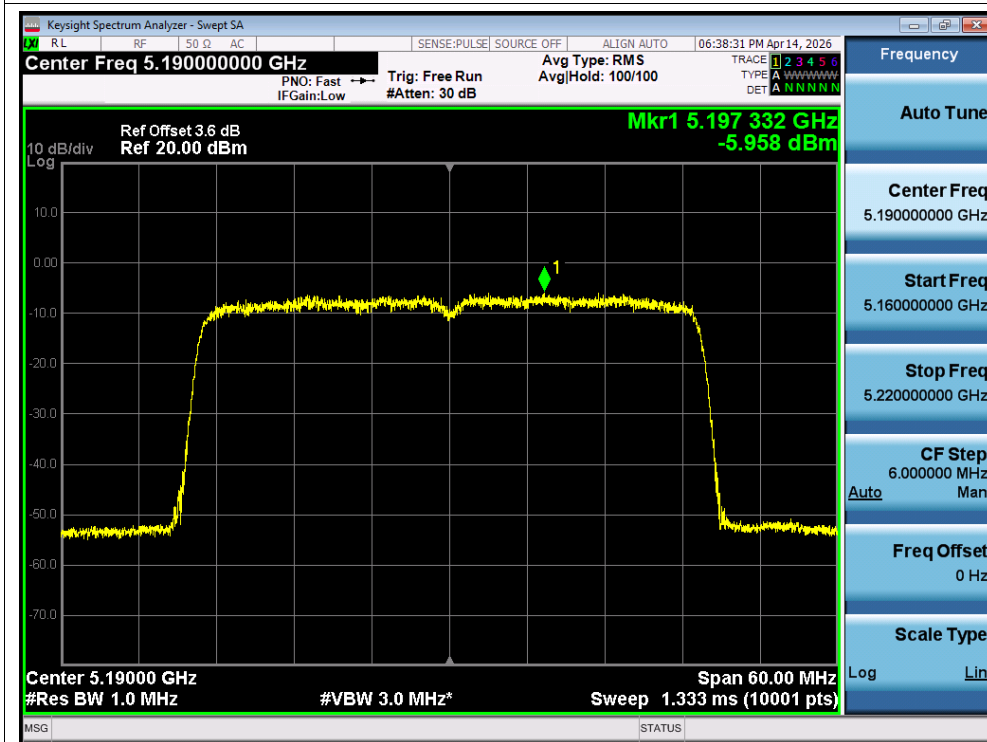
PSD NVNT ax20 5200MHz AntA



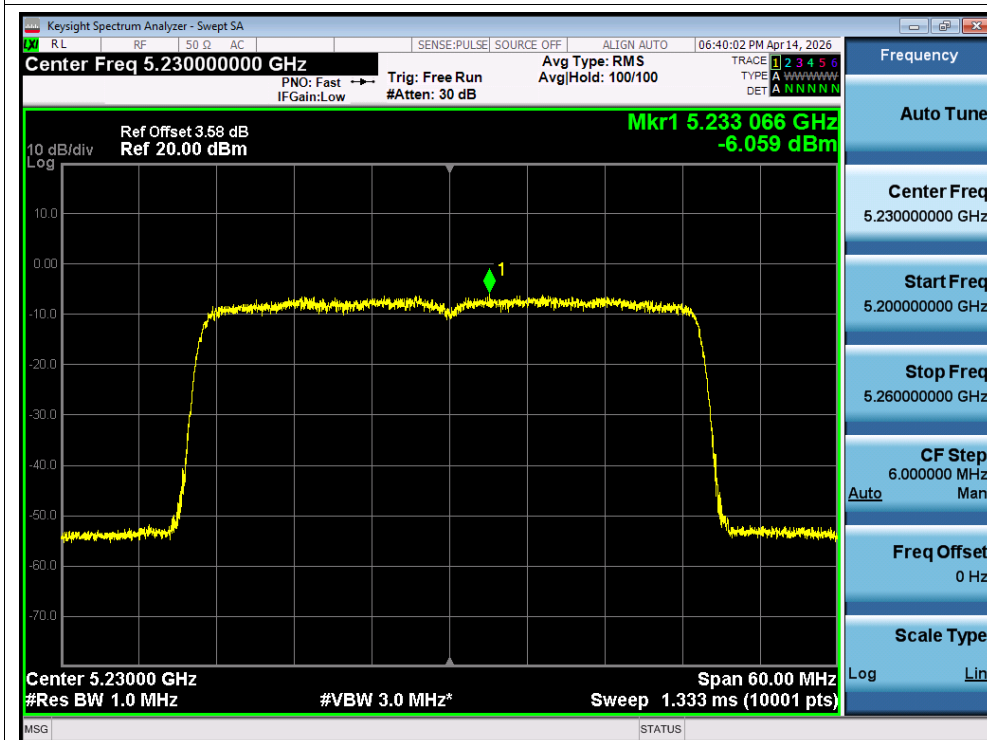
PSD NVNT ax20 5240MHz AntA



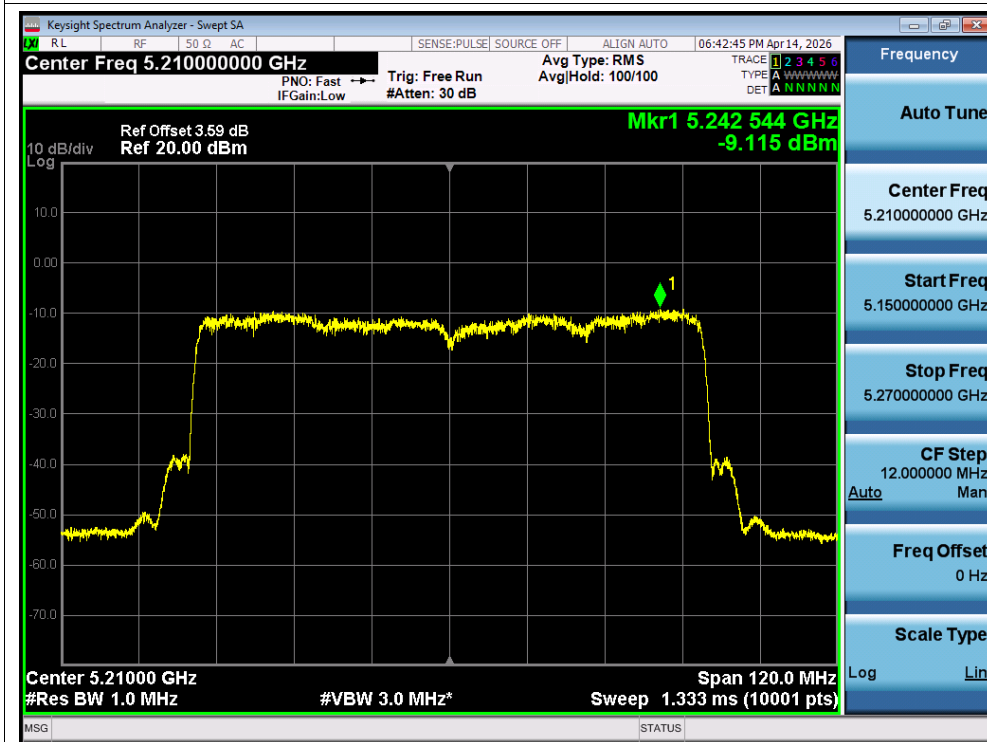
PSD NVNT ax40 5190MHz AntA



PSD NVNT ax40 5230MHz AntA



PSD NVNT ax80 5210MHz AntA

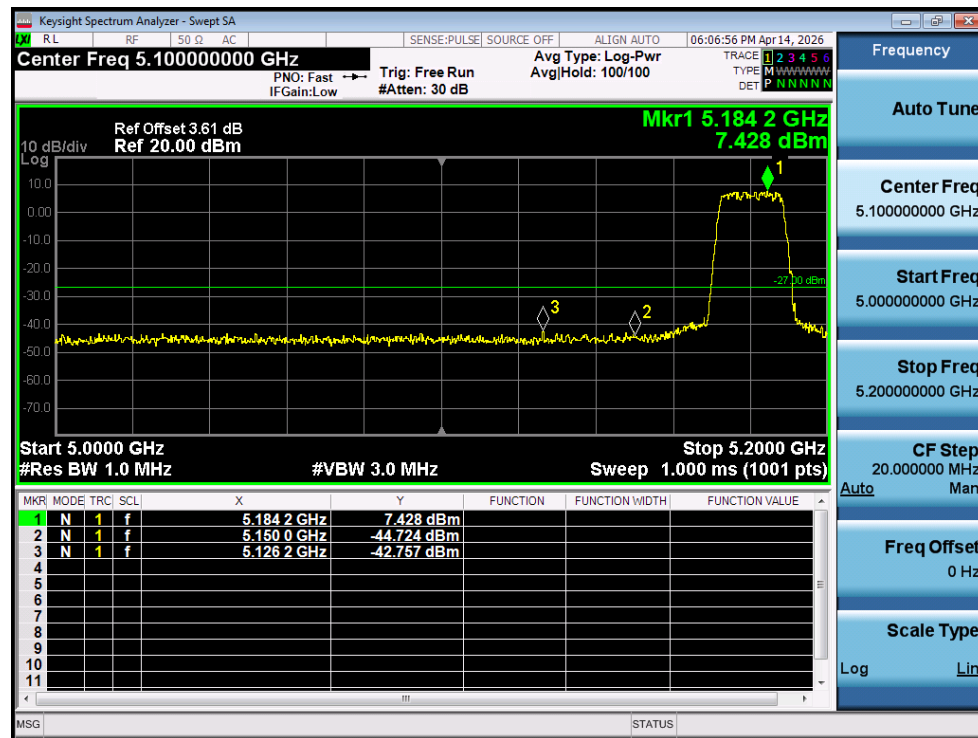


Band Edge

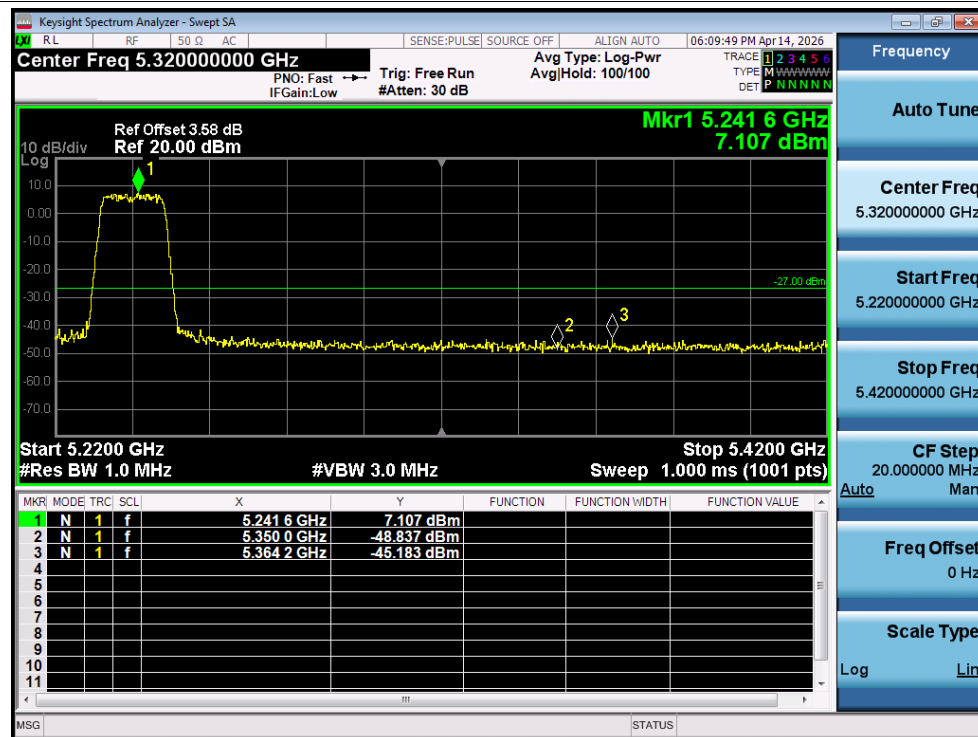
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	AntA	-42.75	-27	Pass
		5240		-45.18	-27	Pass
	n20	5180		-42.67	-27	Pass
		5240		-45.07	-27	Pass
	n40	5190		-41.96	-27	Pass
		5230		-45.19	-27	Pass
	ac20	5180		-42.35	-27	Pass
		5240		-45.18	-27	Pass
	ac40	5190		-42.86	-27	Pass
		5230		-45.72	-27	Pass
	ac80	5210		-42.89	-27	Pass
				-40.4	-27	Pass
	ax20	5180		-43.23	-27	Pass
		5240		-44.72	-27	Pass
	ax40	5190		-42.94	-27	Pass
		5230		-45.14	-27	Pass
	ax80	5210		-43.19	-27	Pass
				-43.27	-27	Pass

Test Graphs

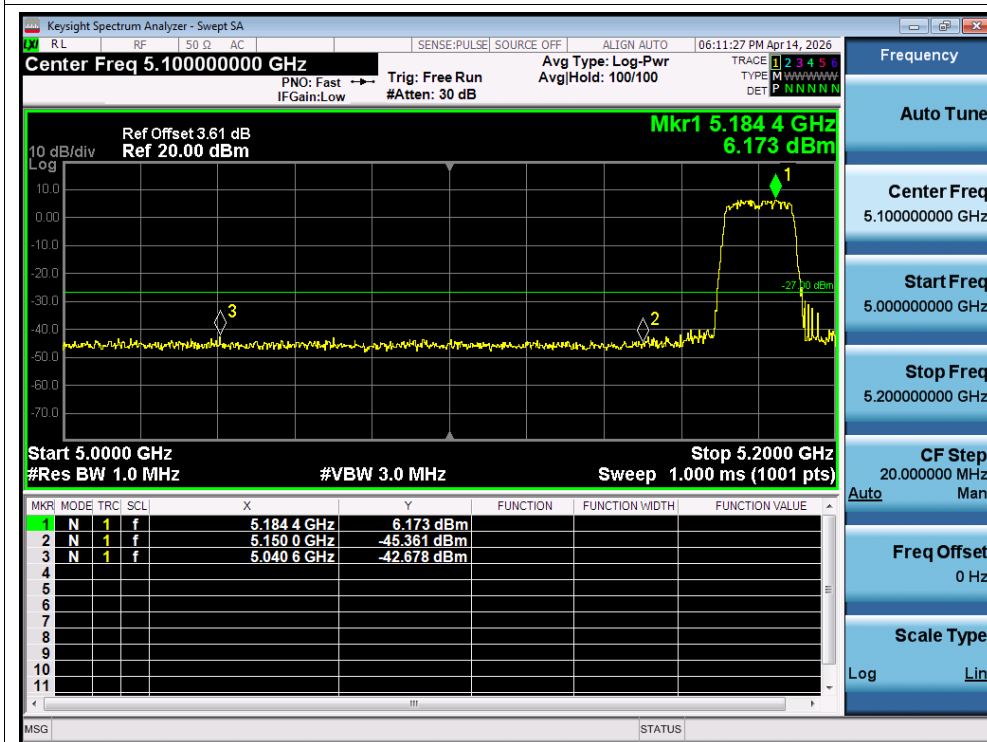
Band Edge NVNT a 5180MHz Low AntA



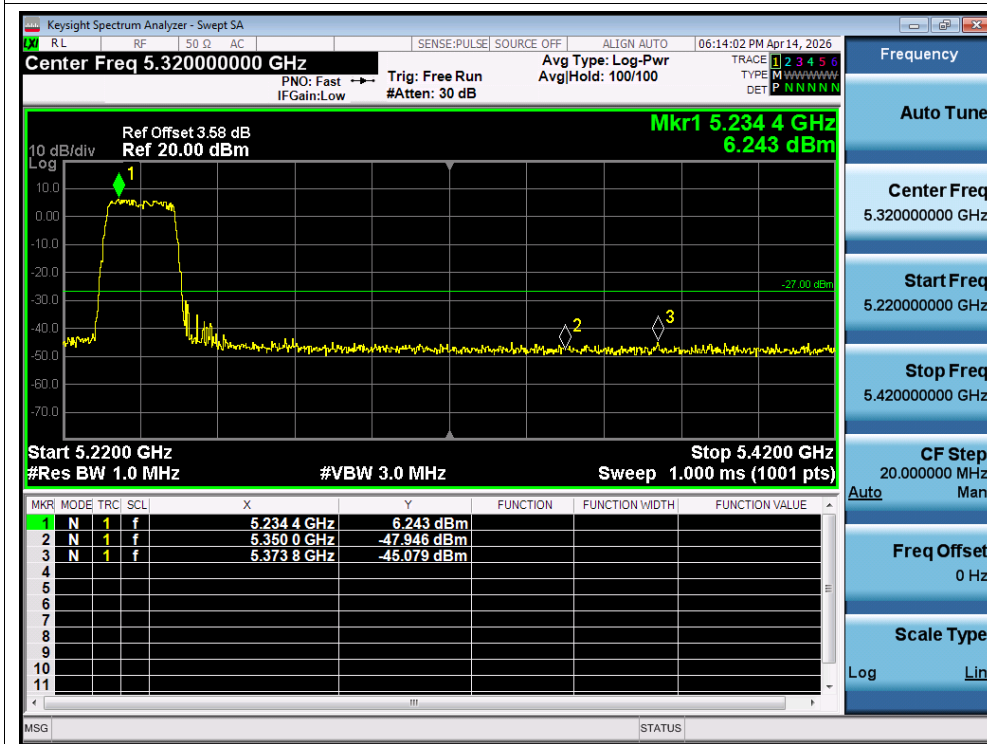
Band Edge NVNT a 5240MHz High AntA



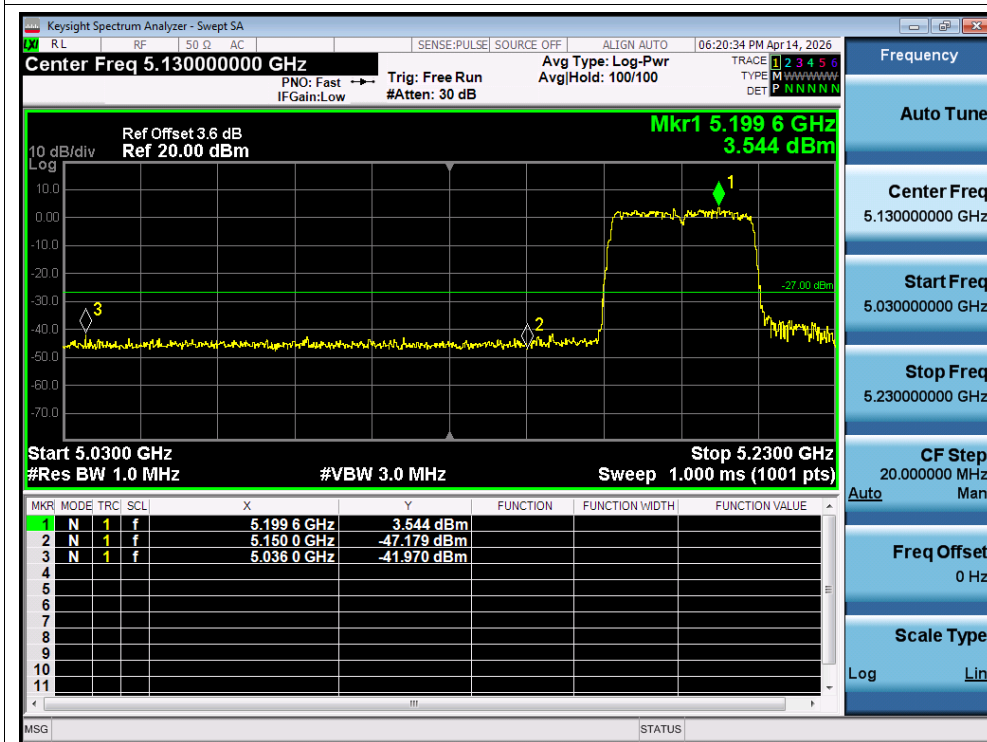
Band Edge NVNT n20 5180MHz Low AntA



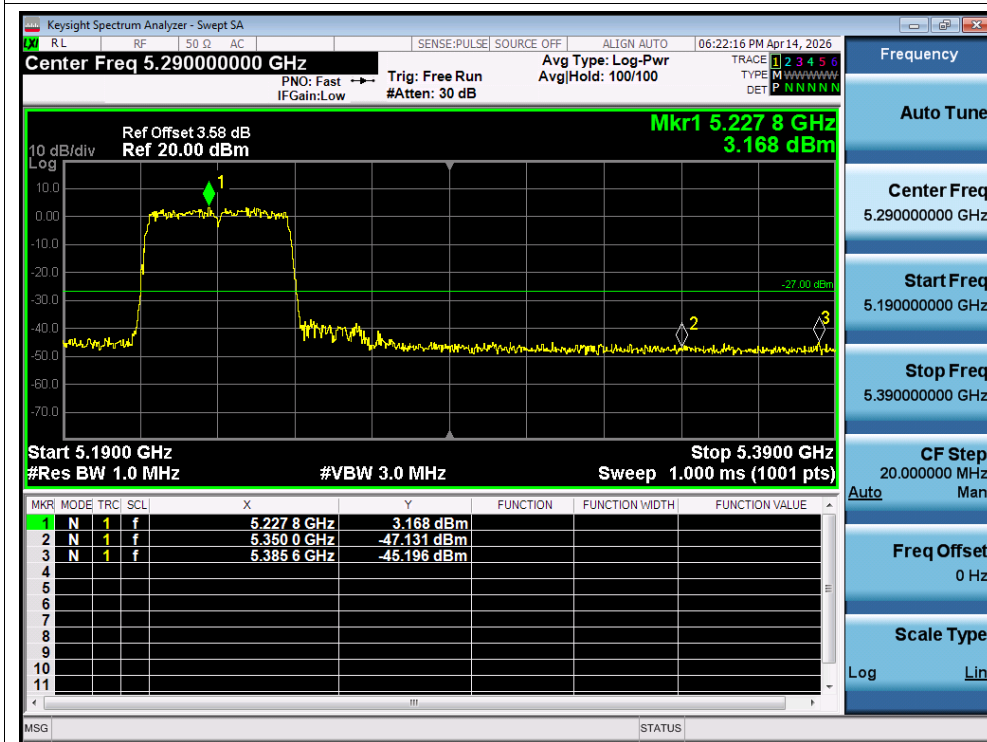
Band Edge NVNT n20 5240MHz High AntA



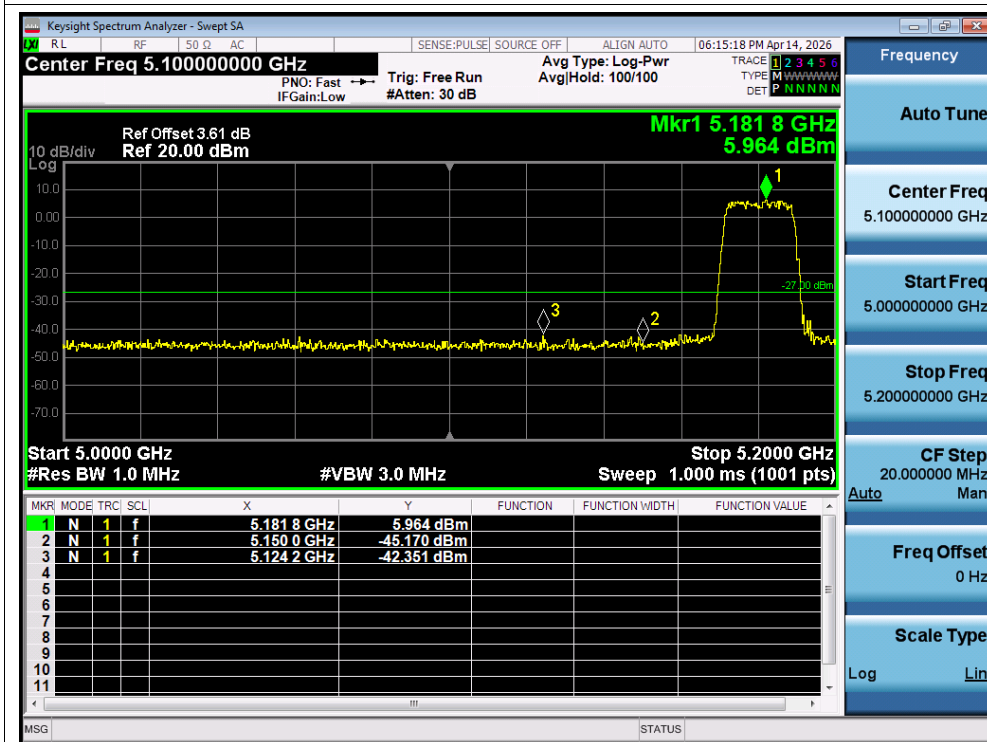
Band Edge NVNT n40 5190MHz Low AntA



Band Edge NVNT n40 5230MHz High AntA



Band Edge NVNT ac20 5180MHz Low AntA



Band Edge NVNT ac20 5240MHz High AntA

