

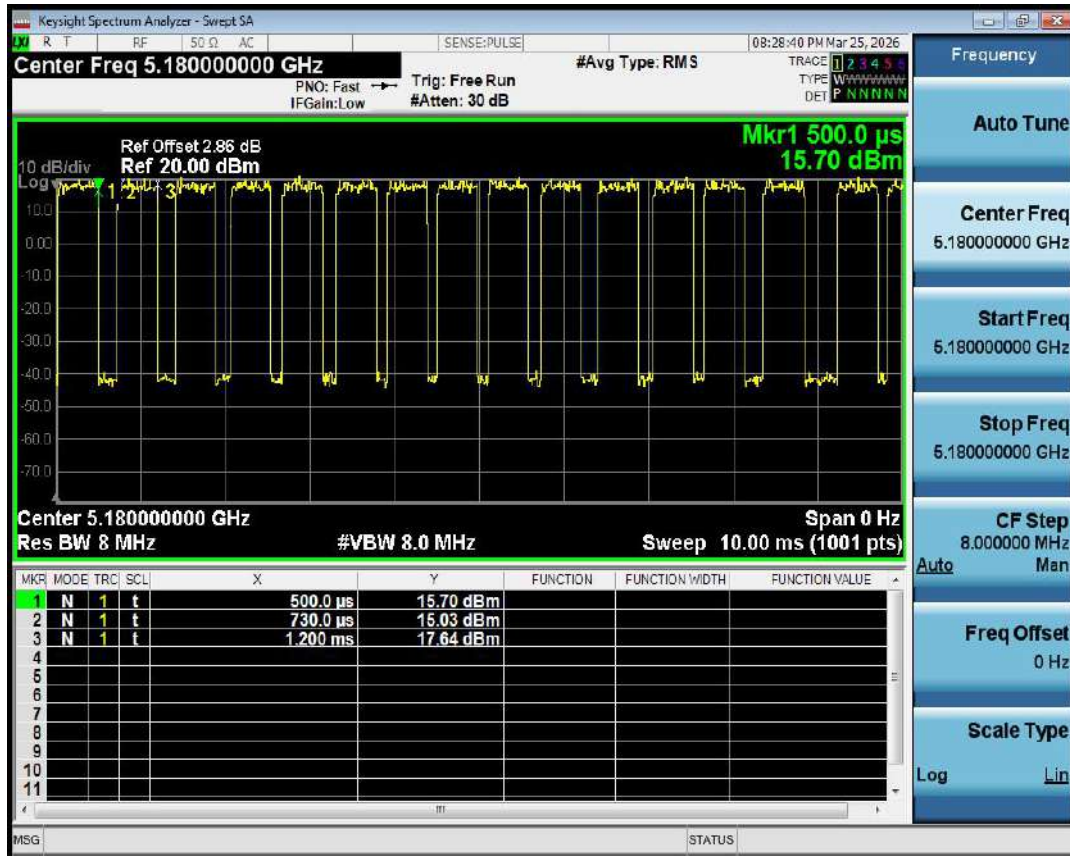
Report No.: NCT26011421XE1-3
FCC ID:2BUXG-AL4MP401W
FCC_5.2G_WIFI (Part15.407) Test Data

RF Test Data

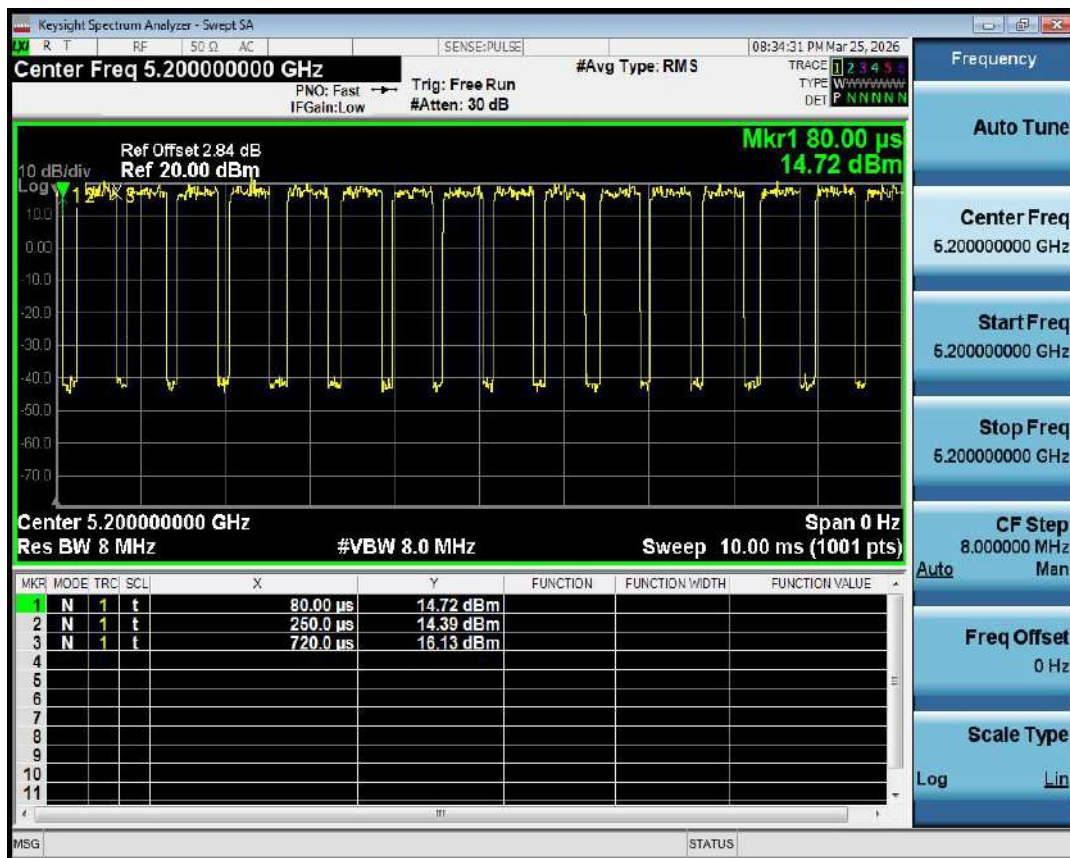
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Duty Cycle

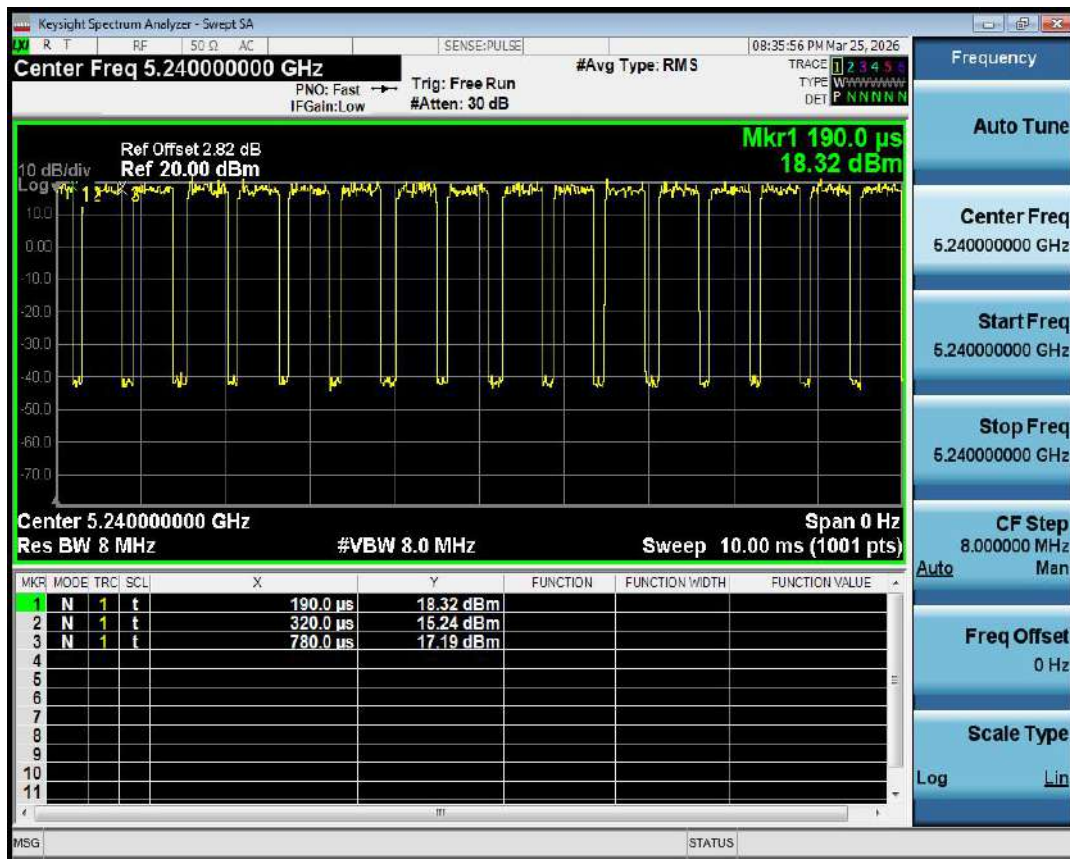
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	67.14	1.73	2.13
NVNT	a	5200	Ant1	73.44	1.34	2.13
NVNT	a	5240	Ant1	77.97	1.08	2.17
NVNT	n20	5180	Ant1	94.67	0.24	0.27
NVNT	n20	5200	Ant1	96.39	0.16	0.27
NVNT	n20	5240	Ant1	96.63	0.15	0.27
NVNT	n40	5190	Ant1	64.71	1.89	4.55
NVNT	n40	5230	Ant1	56.76	2.46	4.76
NVNT	ac20	5180	Ant1	96.9	0.14	0.27
NVNT	ac20	5200	Ant1	96.9	0.14	0.27
NVNT	ac20	5240	Ant1	96.65	0.15	0.27
NVNT	ac40	5190	Ant1	56.67	2.47	5.88
NVNT	ac40	5230	Ant1	60	2.22	5.56
NVNT	ax20	5180	Ant1	95.33	0.21	0.35
NVNT	ax20	5200	Ant1	94.39	0.25	0.35
NVNT	ax20	5240	Ant1	95.97	0.18	0.35
NVNT	ax40	5190	Ant1	55.56	2.55	6.67
NVNT	ax40	5230	Ant1	55.56	2.55	6.67



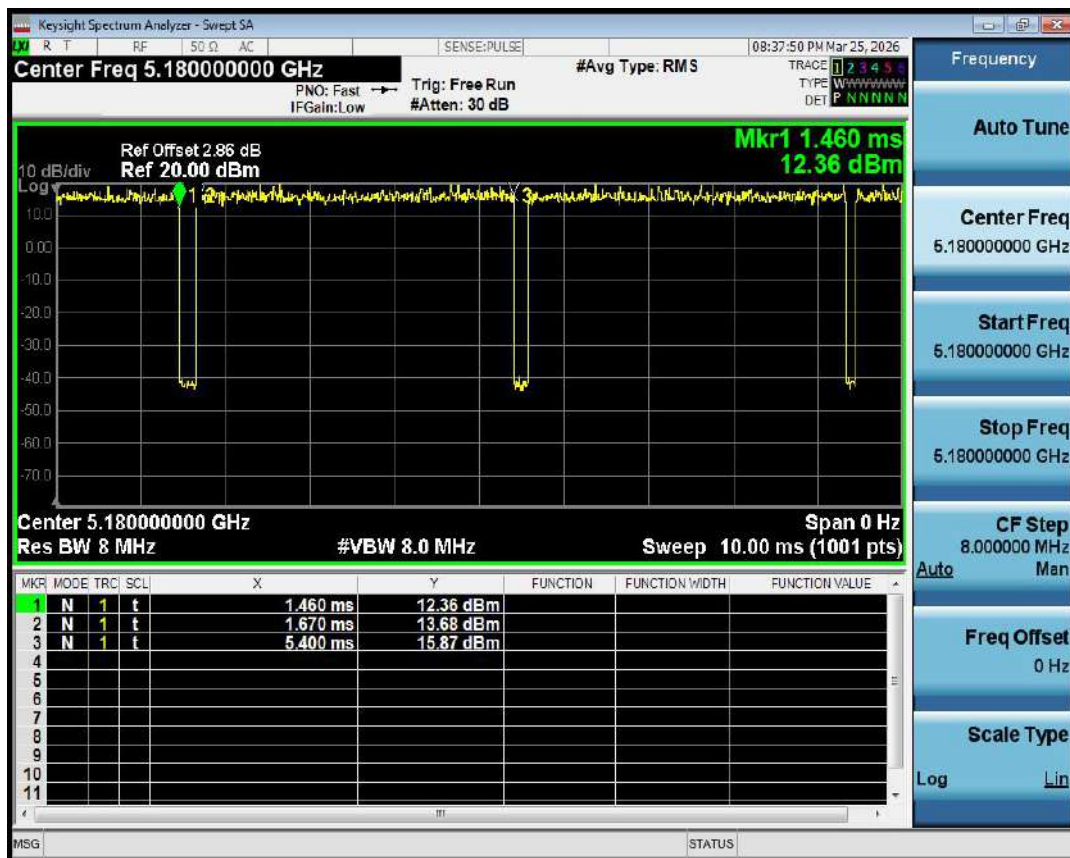
Duty Cycle NVNT a 5180MHz Ant1



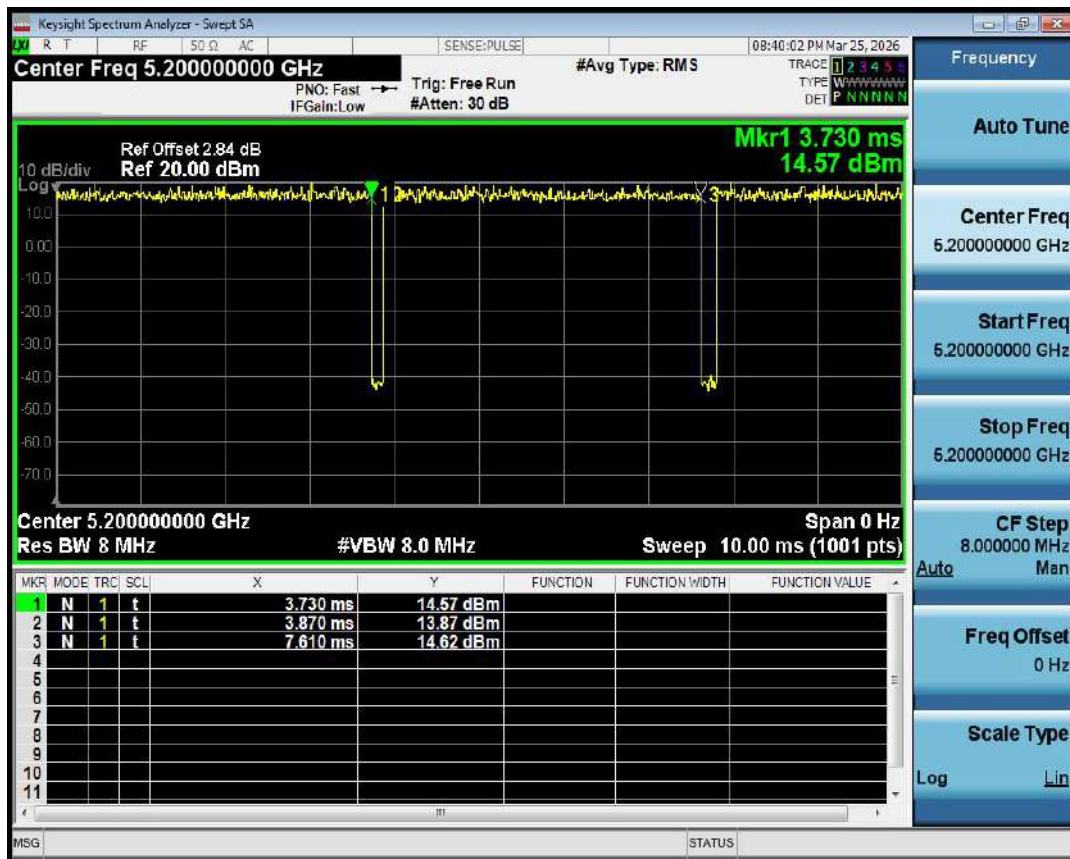
Duty Cycle NVNT a 5200MHz Ant1



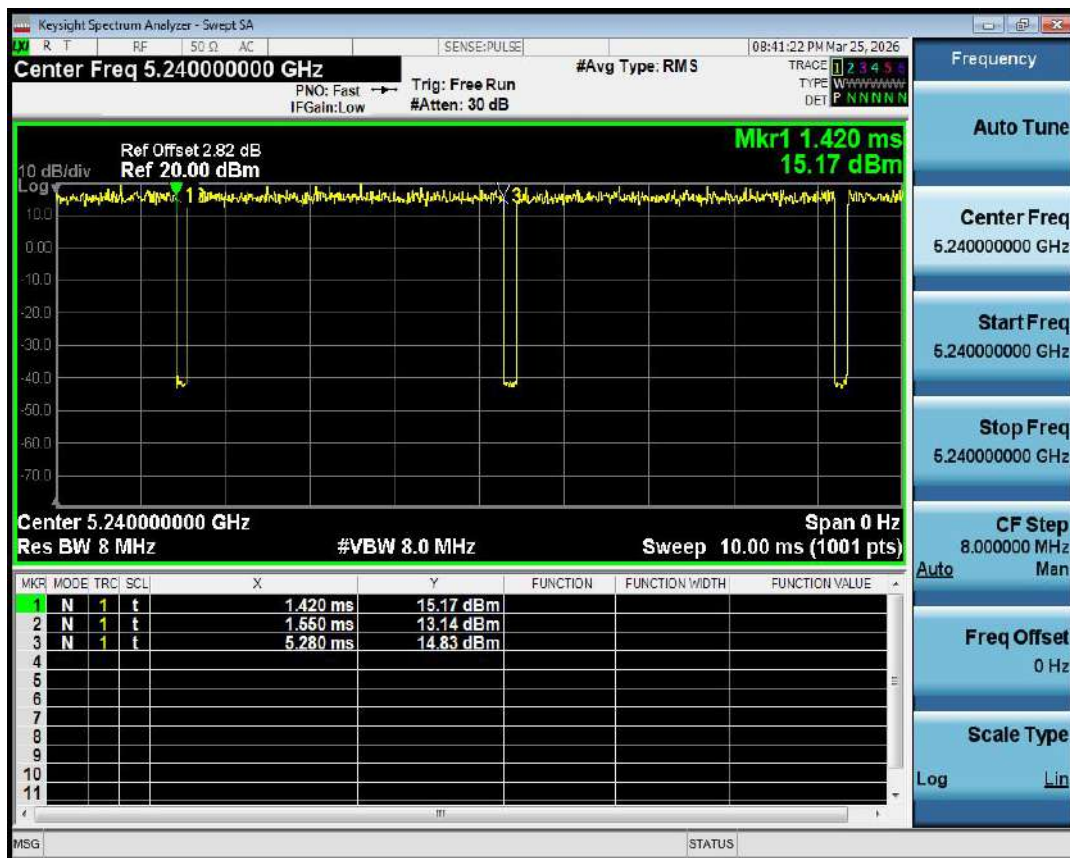
Duty Cycle NVNT a 5240MHz Ant1



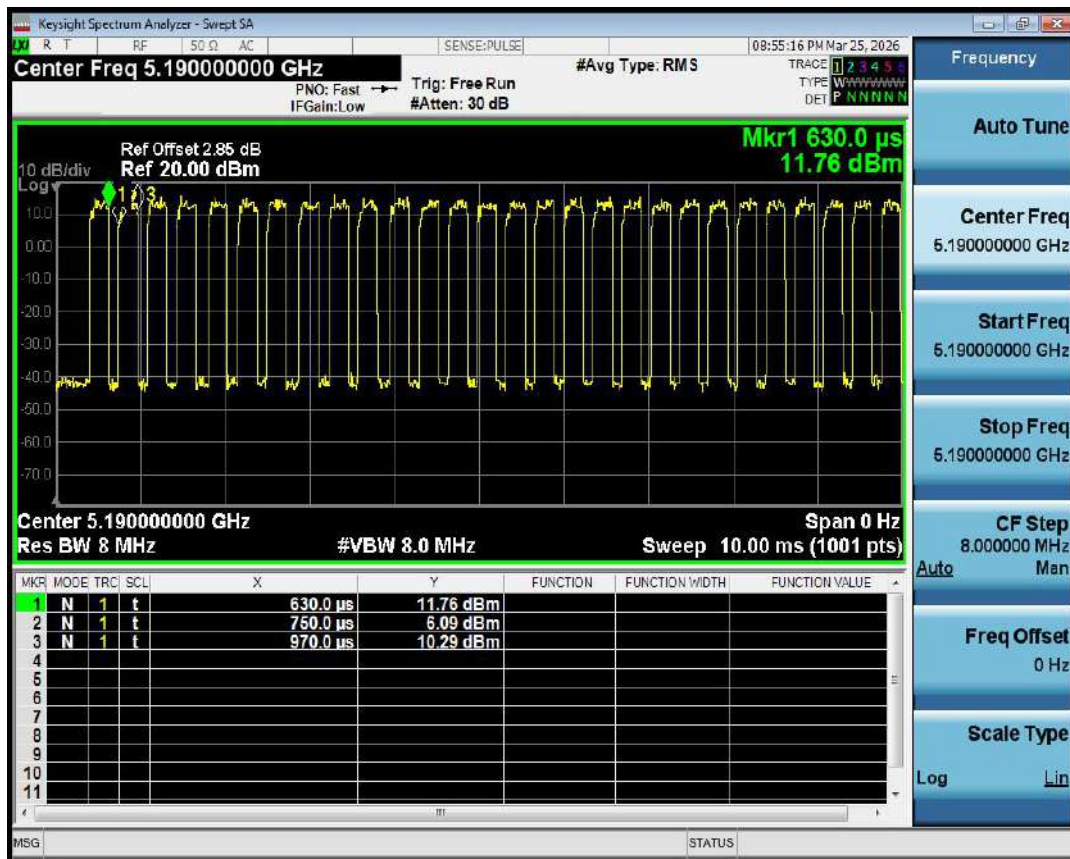
Duty Cycle NVNT n20 5180MHz Ant1



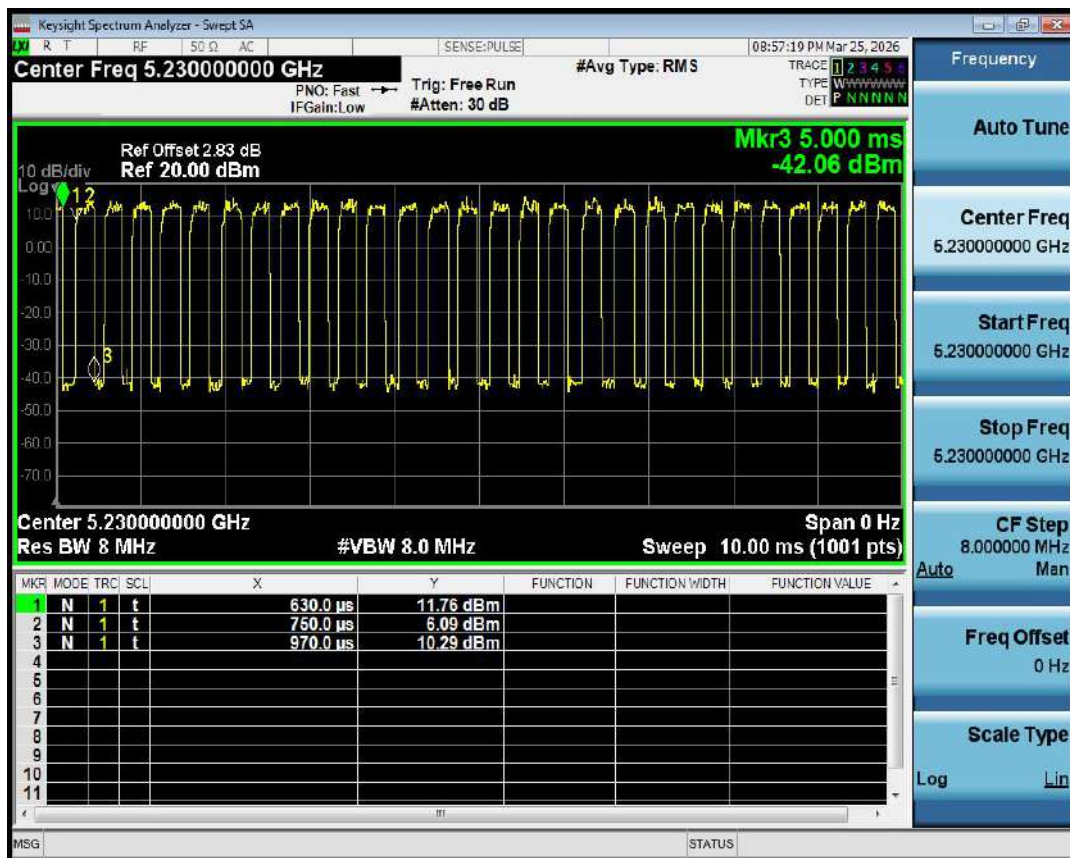
Duty Cycle NVNT n20 5200MHz Ant1



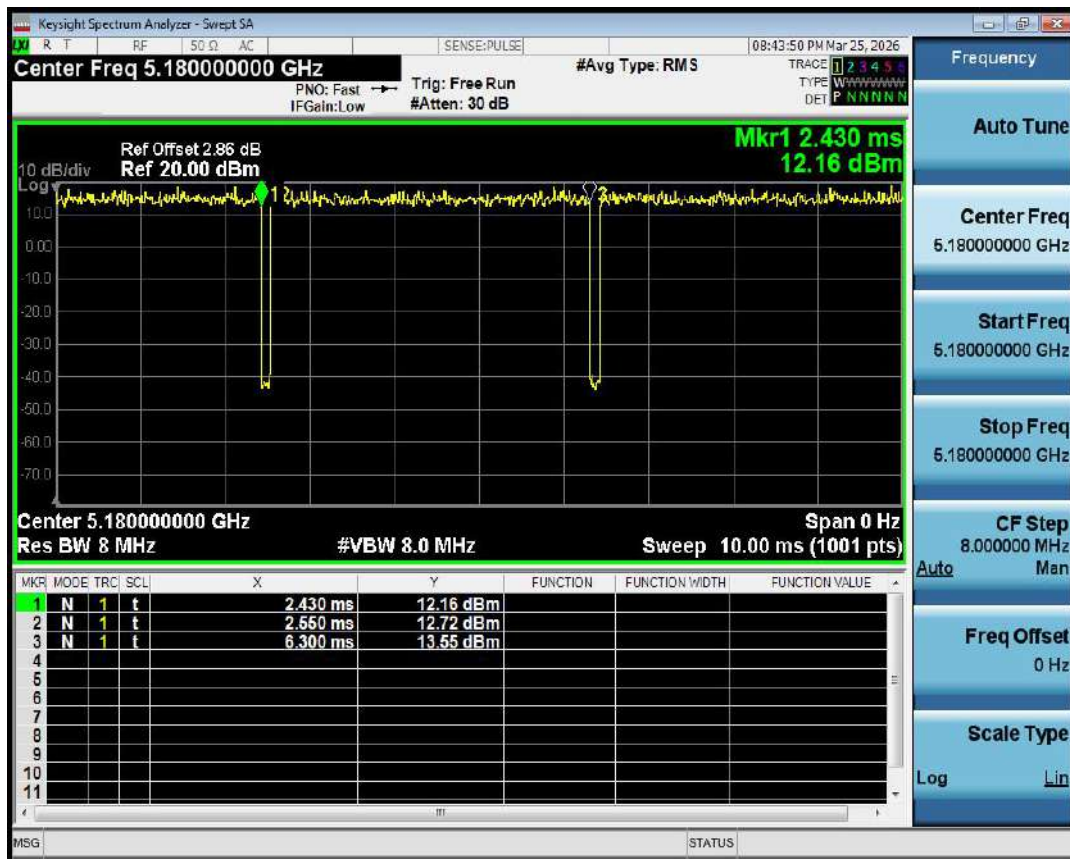
Duty Cycle NVNT n20 5240MHz Ant1



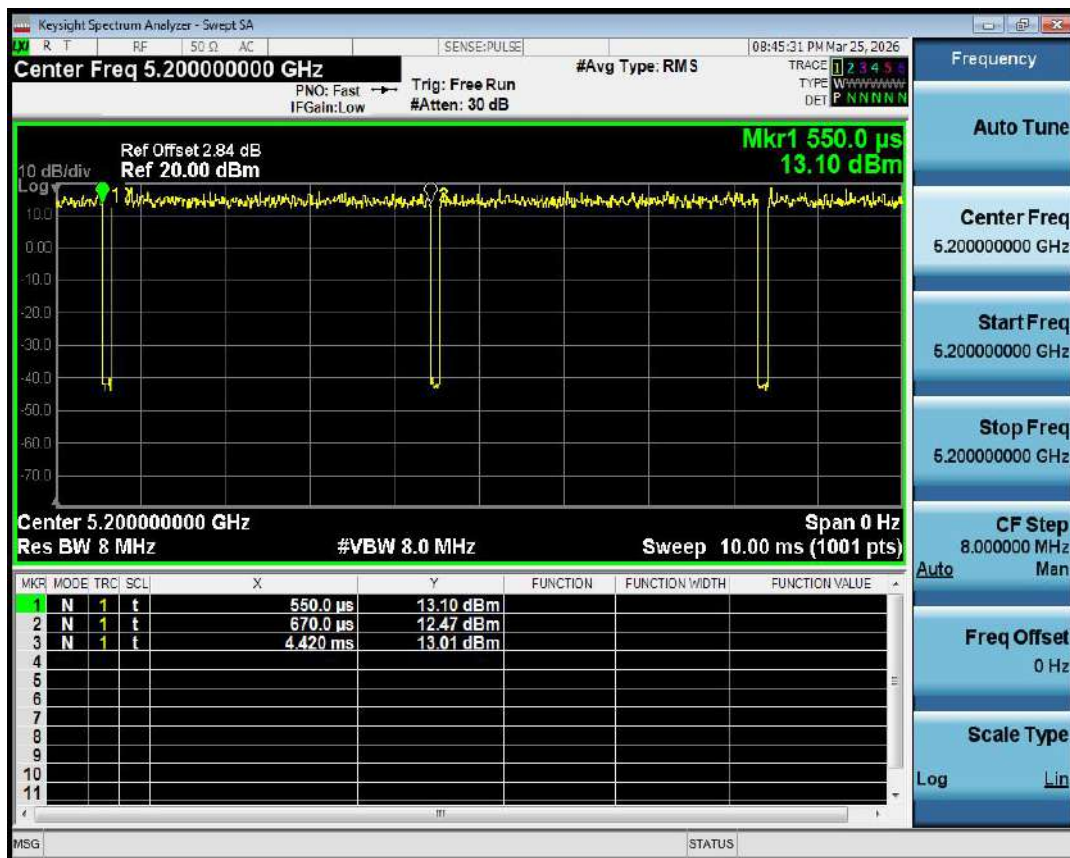
Duty Cycle NVNT n40 5190MHz Ant1



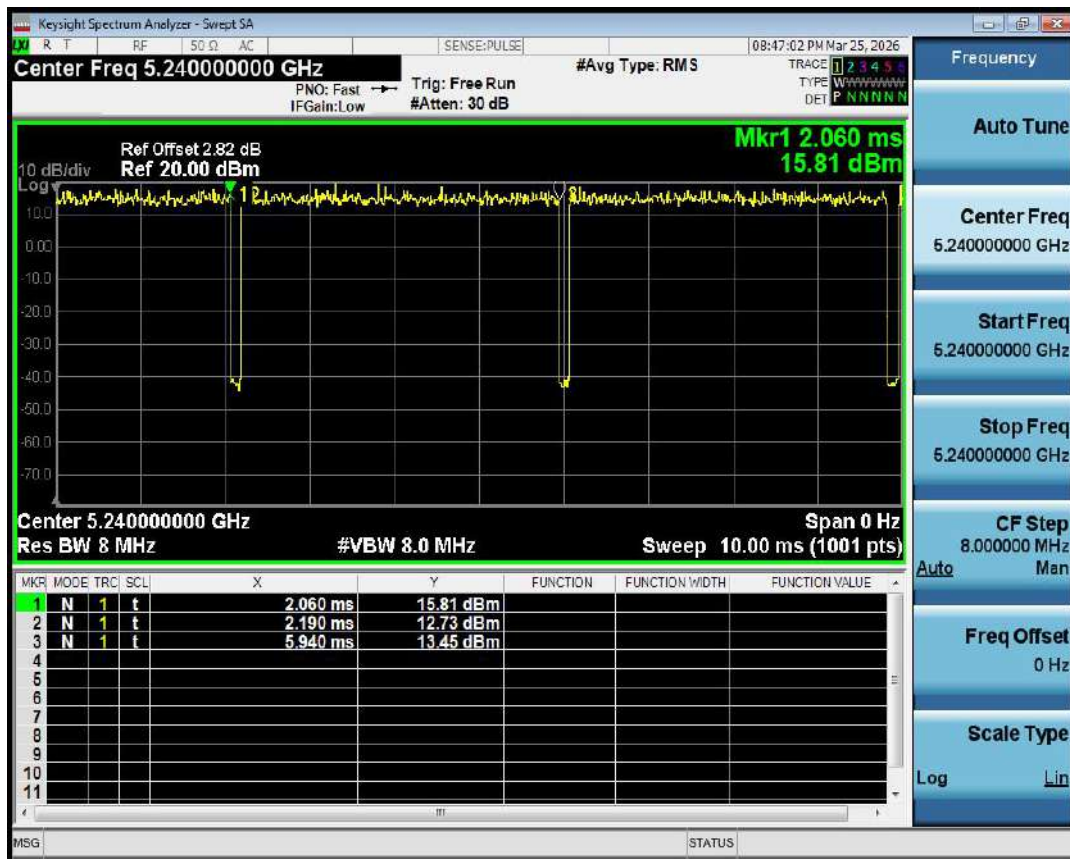
Duty Cycle NVNT n40 5230MHz Ant1



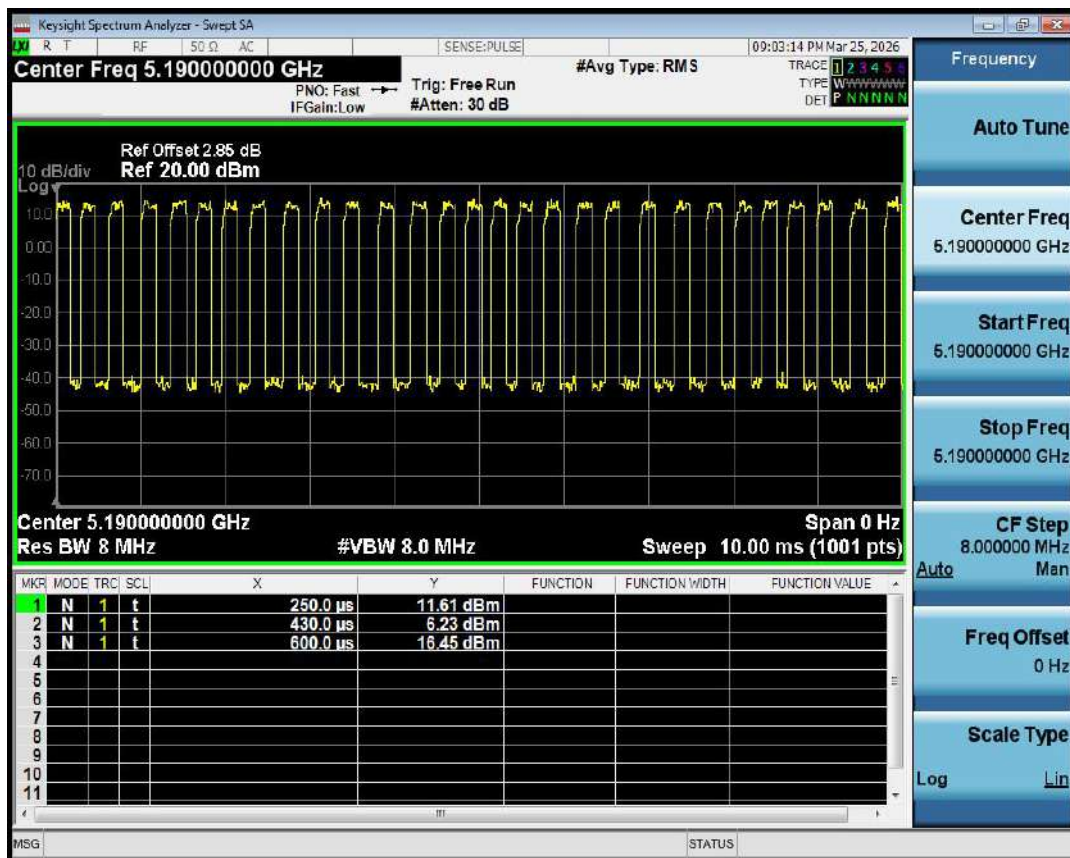
Duty Cycle NVNT ac20 5180MHz Ant1



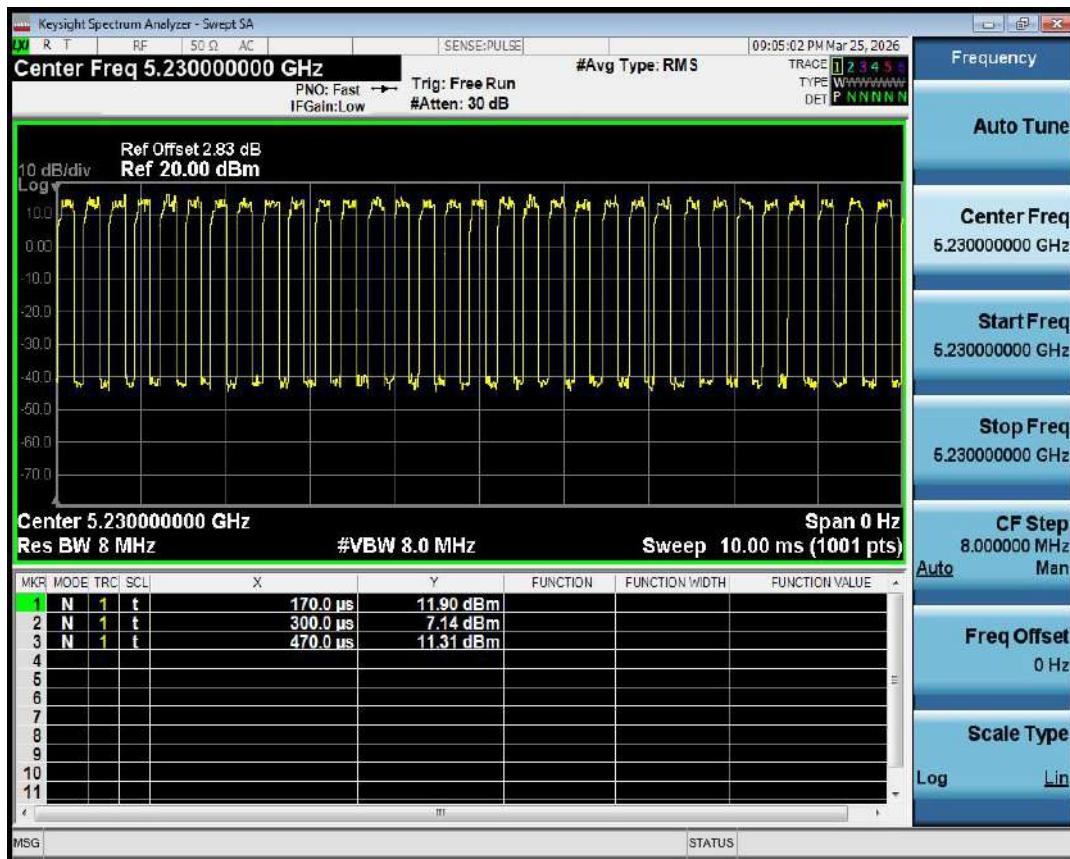
Duty Cycle NVNT ac20 5200MHz Ant1



Duty Cycle NVNT ac20 5240MHz Ant1



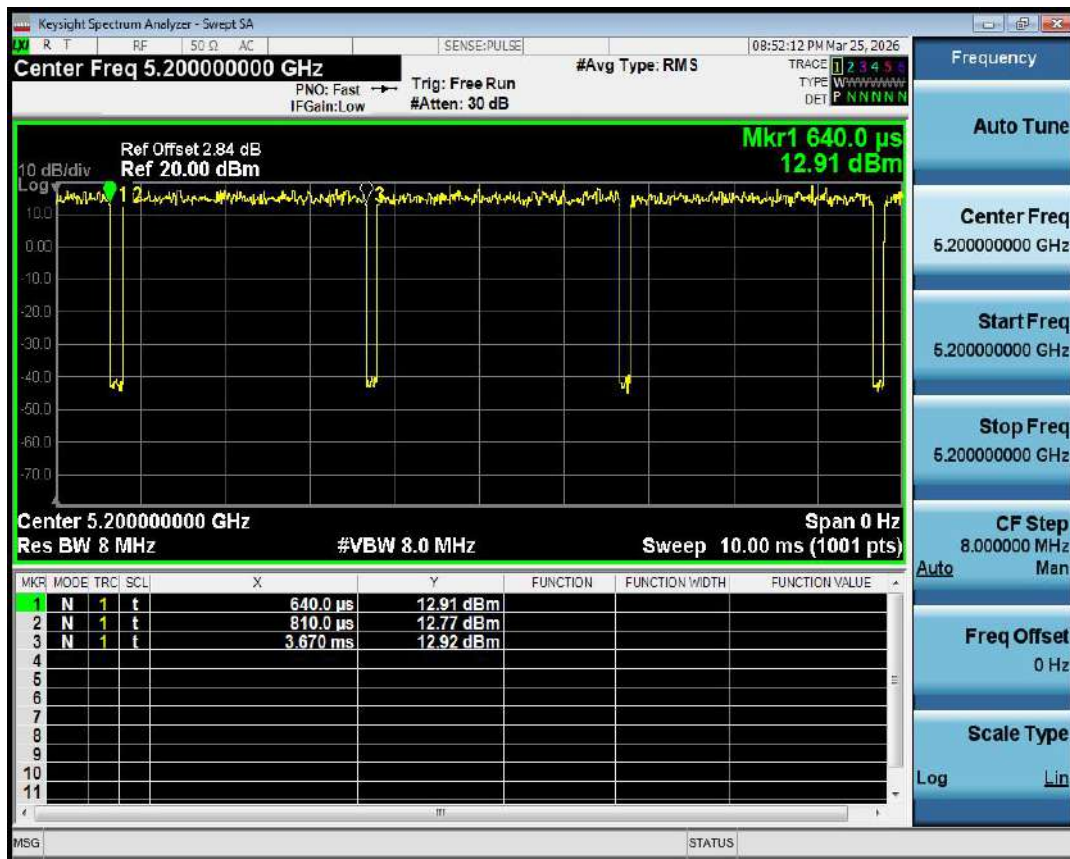
Duty Cycle NVNT ac40 5190MHz Ant1



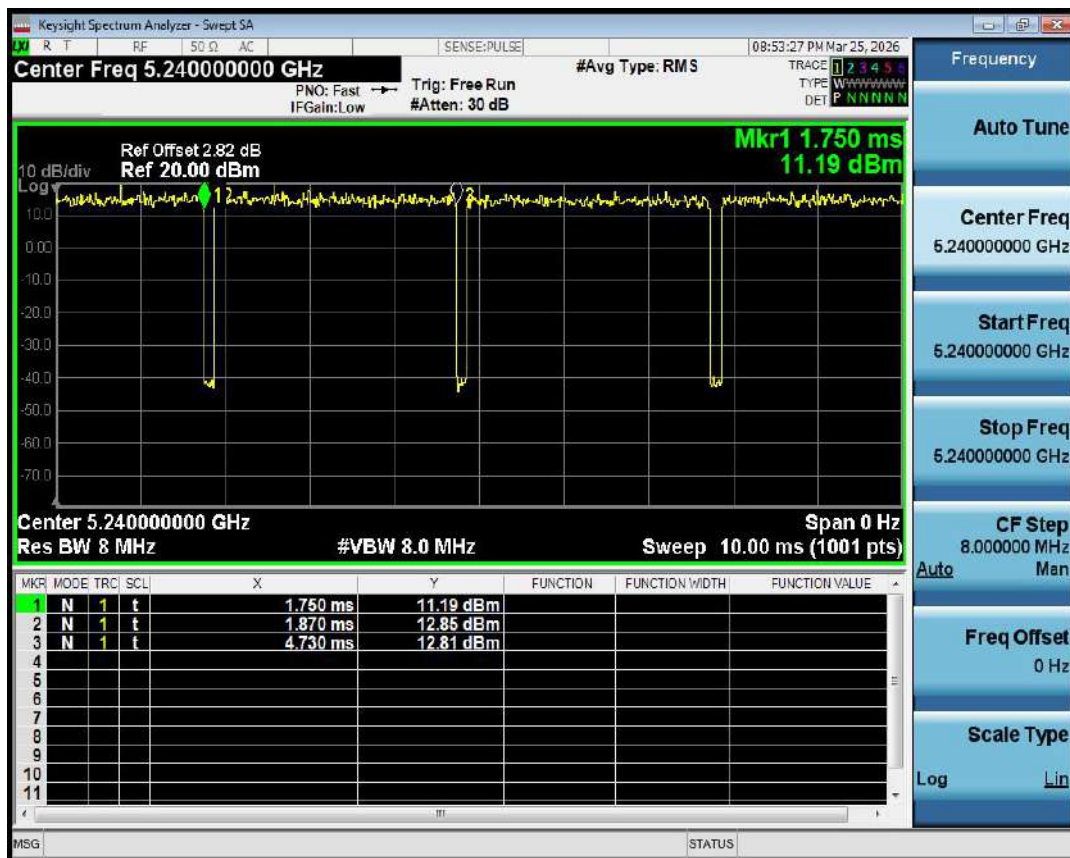
Duty Cycle NVNT ac40 5230MHz Ant1



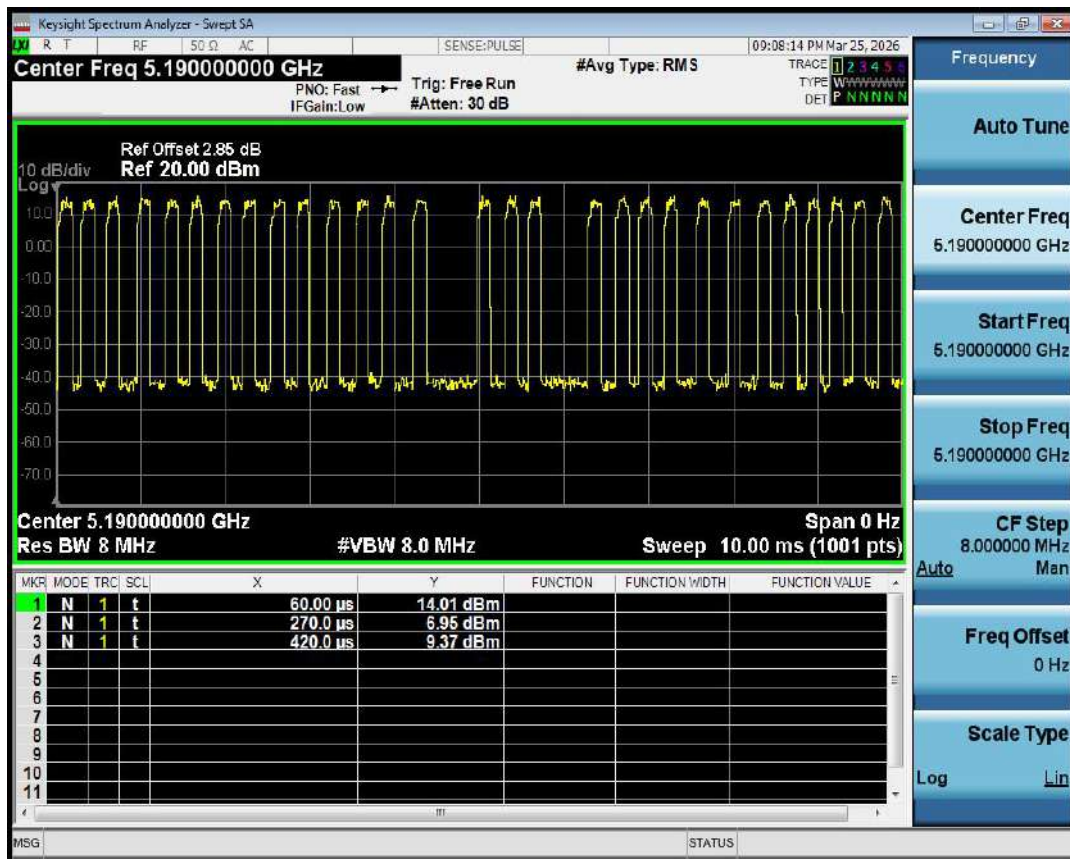
Duty Cycle NVNT ax20 5180MHz Ant1



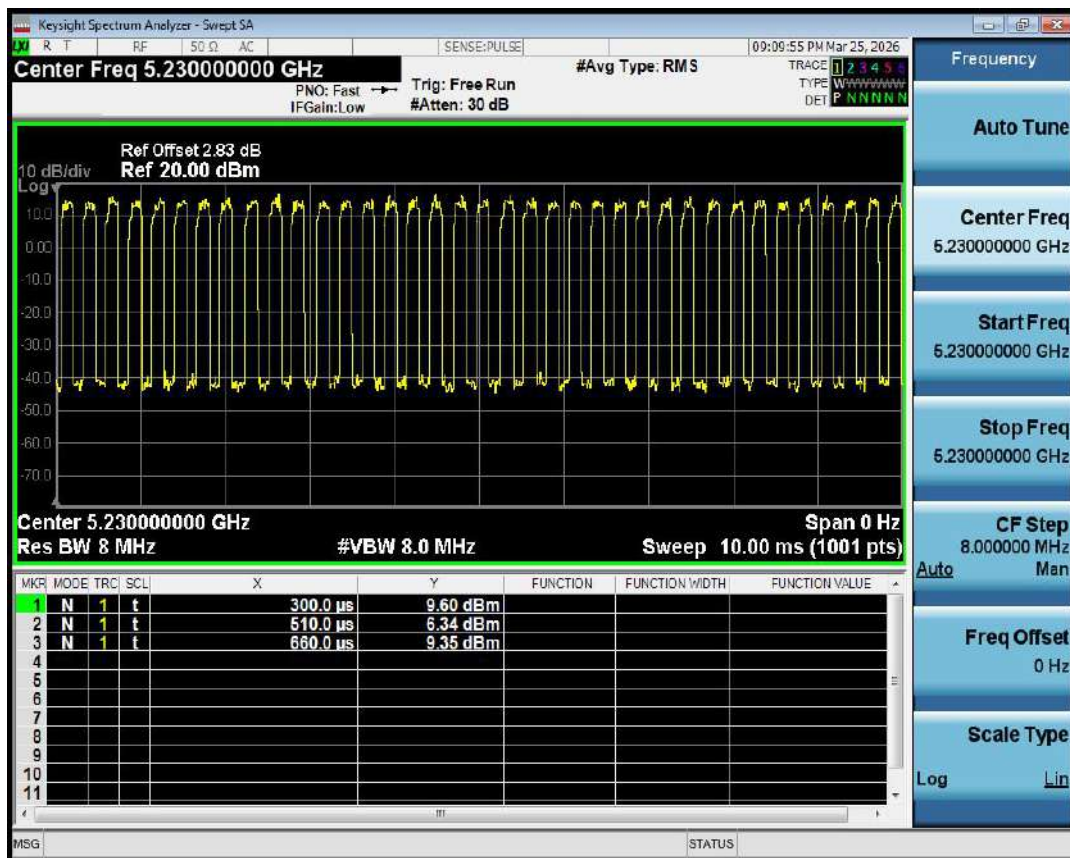
Duty Cycle NVNT ax20 5200MHz Ant1



Duty Cycle NVNT ax20 5240MHz Ant1



Duty Cycle NVNT ax40 5190MHz Ant1



Duty Cycle NVNT ax40 5230MHz Ant1

Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted(dBm)	Verdict
NVNT	a	5180	Ant1	11.35	1.73	13.08	0.02032	24	Pass
NVNT	a	5200	Ant1	11.65	1.34	12.99	0.01991	24	Pass
NVNT	a	5240	Ant1	11.41	1.08	12.49	0.01774	24	Pass
NVNT	n20	5180	Ant1	12.46	0.24	12.7	0.01862	24	Pass
NVNT	n20	5200	Ant1	13.03	0.16	13.19	0.02084	24	Pass
NVNT	n20	5240	Ant1	12.67	0.15	12.82	0.01914	24	Pass
NVNT	n40	5190	Ant1	9.74	1.89	11.63	0.01455	24	Pass
NVNT	n40	5230	Ant1	9.37	2.46	11.83	0.01524	24	Pass
NVNT	ac20	5180	Ant1	10.31	0.14	10.45	0.01109	24	Pass
NVNT	ac20	5200	Ant1	10.46	0.14	10.6	0.01148	24	Pass
NVNT	ac20	5240	Ant1	10.08	0.15	10.23	0.01054	24	Pass
NVNT	ac40	5190	Ant1	9.32	2.47	11.79	0.0151	24	Pass
NVNT	ac40	5230	Ant1	9.5	2.22	11.72	0.01486	24	Pass
NVNT	ax20	5180	Ant1	10.77	0.21	10.98	0.01253	24	Pass
NVNT	ax20	5200	Ant1	10.27	0.25	10.52	0.01127	24	Pass
NVNT	ax20	5240	Ant1	9.92	0.18	10.1	0.01023	24	Pass
NVNT	ax40	5190	Ant1	8.49	2.55	11.04	0.01271	24	Pass
NVNT	ax40	5230	Ant1	8.8	2.55	11.35	0.01365	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	23.21
NVNT	a	5200	Ant1	24.5
NVNT	a	5240	Ant1	25.9
NVNT	n20	5180	Ant1	27.41
NVNT	n20	5200	Ant1	29.27
NVNT	n20	5240	Ant1	27.94
NVNT	n40	5190	Ant1	45.71
NVNT	n40	5230	Ant1	46.2
NVNT	ac20	5180	Ant1	28.3
NVNT	ac20	5200	Ant1	27.68
NVNT	ac20	5240	Ant1	28.51
NVNT	ac40	5190	Ant1	46.07
NVNT	ac40	5230	Ant1	46.05
NVNT	ax20	5180	Ant1	26.94
NVNT	ax20	5200	Ant1	27.03
NVNT	ax20	5240	Ant1	26.13
NVNT	ax40	5190	Ant1	46
NVNT	ax40	5230	Ant1	46.96



-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1



-26dB Bandwidth NVNT a 5240MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1



-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1



-26dB Bandwidth NVNT ac20 5180MHz Ant1



-26dB Bandwidth NVNT ac20 5200MHz Ant1



-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ax20 5180MHz Ant1



-26dB Bandwidth NVNT ax20 5200MHz Ant1



-26dB Bandwidth NVNT ax20 5240MHz Ant1



-26dB Bandwidth NVNT ax40 5190MHz Ant1



-26dB Bandwidth NVNT ax40 5230MHz Ant1

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.548
NVNT	a	5200	Ant1	16.526
NVNT	a	5240	Ant1	16.514
NVNT	n20	5180	Ant1	17.835
NVNT	n20	5200	Ant1	17.839
NVNT	n20	5240	Ant1	17.825
NVNT	n40	5190	Ant1	36.349
NVNT	n40	5230	Ant1	36.401
NVNT	ac20	5180	Ant1	17.833
NVNT	ac20	5200	Ant1	17.853
NVNT	ac20	5240	Ant1	17.831
NVNT	ac40	5190	Ant1	36.304
NVNT	ac40	5230	Ant1	36.375
NVNT	ax20	5180	Ant1	19.019
NVNT	ax20	5200	Ant1	19.043
NVNT	ax20	5240	Ant1	19.043
NVNT	ax40	5190	Ant1	37.892
NVNT	ax40	5230	Ant1	37.835



OBW NVNT a 5180MHz Ant1



OBW NVNT a 5200MHz Ant1



OBW NVNT a 5240MHz Ant1



OBW NVNT n20 5180MHz Ant1



OBW NVNT n20 5200MHz Ant1



OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1



OBW NVNT ac20 5180MHz Ant1



OBW NVNT ac20 5200MHz Ant1



OBW NVNT ac20 5240MHz Ant1



OBW NVNT ac40 5190MHz Ant1



OBW NVNT ac40 5230MHz Ant1



OBW NVNT ax20 5180MHz Ant1



OBW NVNT ax20 5200MHz Ant1



OBW NVNT ax20 5240MHz Ant1



OBW NVNT ax40 5190MHz Ant1



OBW NVNT ax40 5230MHz Ant1

Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total Conducted PSD (dBm)	Limit Conducted(dBm)	Verdict
NVNT	a	5180	Ant1	0.66	1.73	2.39	11	Pass
NVNT	a	5200	Ant1	0.71	1.34	2.05	11	Pass
NVNT	a	5240	Ant1	0.62	1.08	1.7	11	Pass
NVNT	n20	5180	Ant1	0.62	0.24	0.86	11	Pass
NVNT	n20	5200	Ant1	0.65	0.16	0.81	11	Pass
NVNT	n20	5240	Ant1	0.33	0.15	0.48	11	Pass
NVNT	n40	5190	Ant1	-4.01	1.89	-2.12	11	Pass
NVNT	n40	5230	Ant1	-4.62	2.46	-2.16	11	Pass
NVNT	ac20	5180	Ant1	-0.8	0.14	-0.66	11	Pass
NVNT	ac20	5200	Ant1	-0.88	0.14	-0.74	11	Pass
NVNT	ac20	5240	Ant1	-1.03	0.15	-0.88	11	Pass
NVNT	ac40	5190	Ant1	-4.57	2.47	-2.1	11	Pass
NVNT	ac40	5230	Ant1	-4.65	2.22	-2.43	11	Pass
NVNT	ax20	5180	Ant1	-0.64	0.21	-0.43	11	Pass
NVNT	ax20	5200	Ant1	-1.11	0.25	-0.86	11	Pass
NVNT	ax20	5240	Ant1	-1.35	0.18	-1.17	11	Pass
NVNT	ax40	5190	Ant1	-5.22	2.55	-2.67	11	Pass
NVNT	ax40	5230	Ant1	-5.23	2.55	-2.68	11	Pass



PSD NVNT a 5180MHz Ant1



PSD NVNT a 5200MHz Ant1