

FCC ID: 2BUXG-AL4ML411W

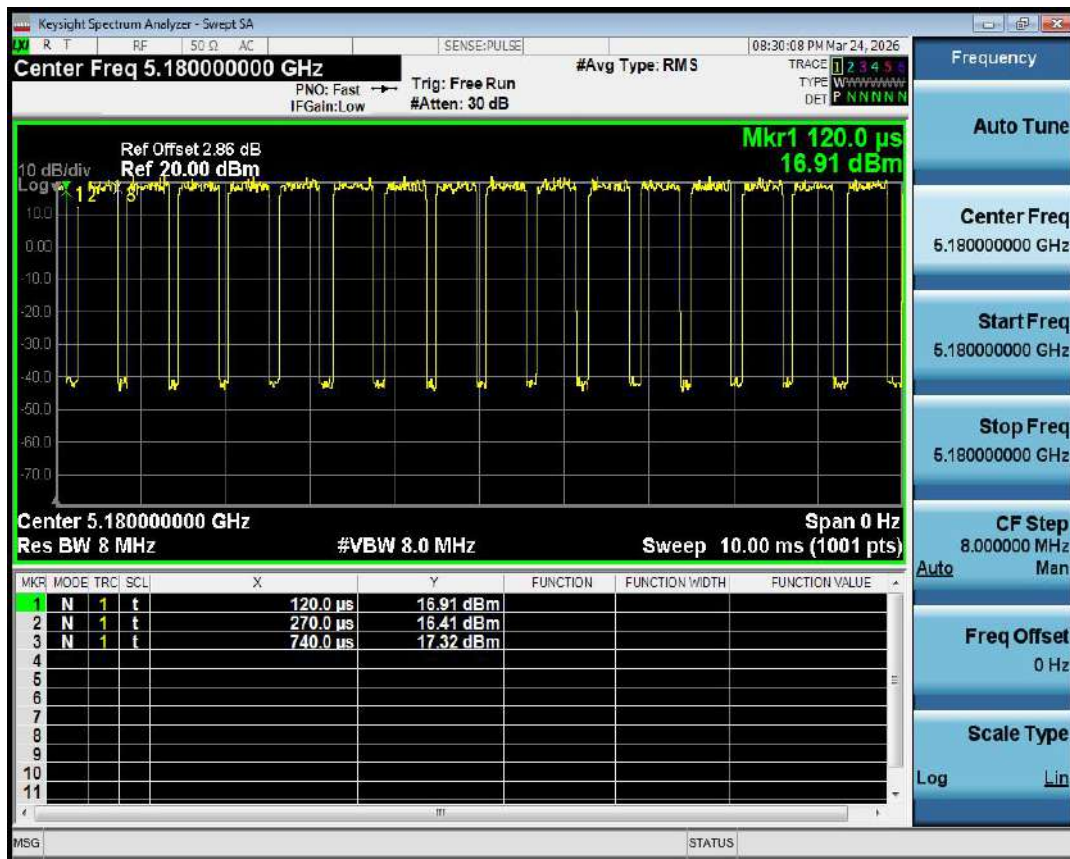
FCC_5.2G_WIFI (Part15.407) Test Data

Table of Contents

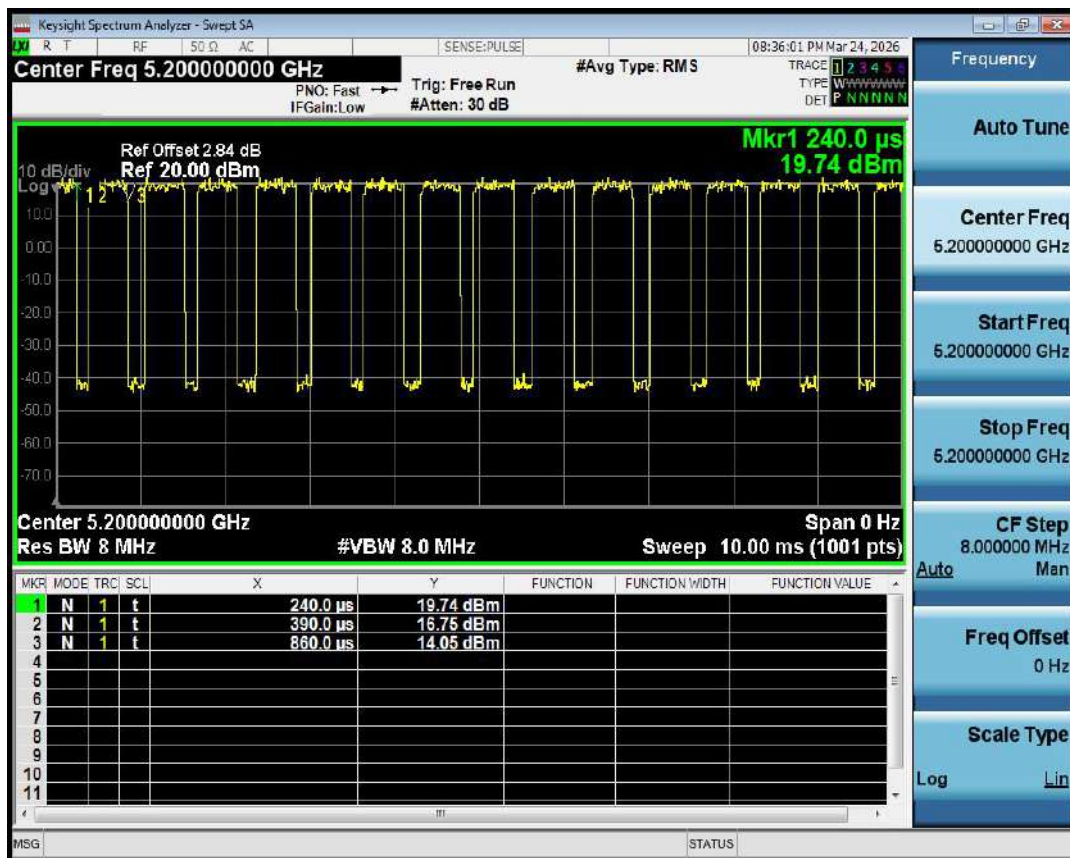
1. Duty Cycle	2
2. Maximum Conducted Output Power	12
3. -26dB Bandwidth	22
4. Occupied Channel Bandwidth	32
5. Maximum Power Spectral Density Level	42
6. Bandedge	52
7. Frequency Stability	60

1. Duty Cycle

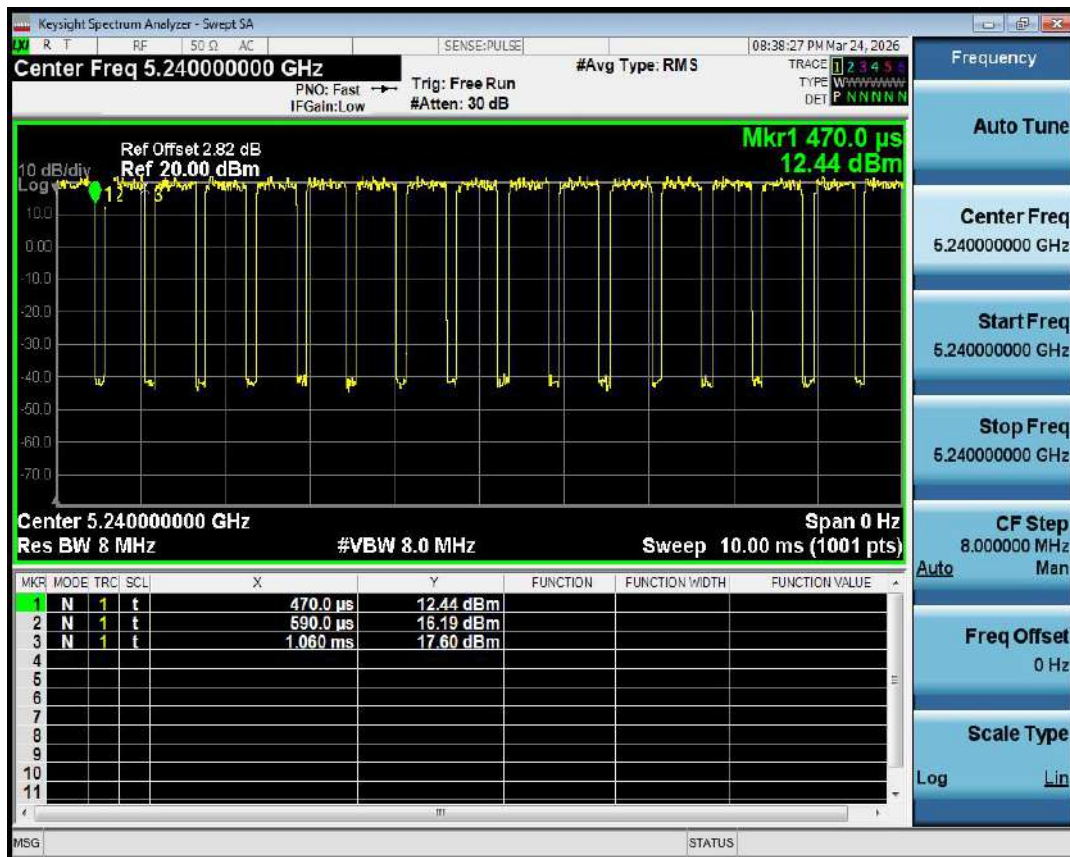
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	75.81	1.2	2.13
NVNT	a	5200	Ant1	75.81	1.2	2.13
NVNT	a	5240	Ant1	79.66	0.99	2.13
NVNT	n20	5180	Ant1	96.89	0.14	0.27
NVNT	n20	5200	Ant1	94.19	0.26	0.27
NVNT	n20	5240	Ant1	96.63	0.15	0.27
NVNT	n40	5190	Ant1	64.71	1.89	4.55
NVNT	n40	5230	Ant1	61.11	2.14	4.55
NVNT	ac20	5180	Ant1	95.66	0.19	0.27
NVNT	ac20	5200	Ant1	96.65	0.15	0.27
NVNT	ac20	5240	Ant1	96.9	0.14	0.27
NVNT	ac40	5190	Ant1	60	2.22	5.56
NVNT	ac40	5230	Ant1	56.25	2.5	5.56
NVNT	ax20	5180	Ant1	95.65	0.19	0.35
NVNT	ax20	5200	Ant1	92.26	0.35	0.35
NVNT	ax20	5240	Ant1	93.16	0.31	0.35
NVNT	ax40	5190	Ant1	51.85	2.85	7.14
NVNT	ax40	5230	Ant1	50	3.01	7.14



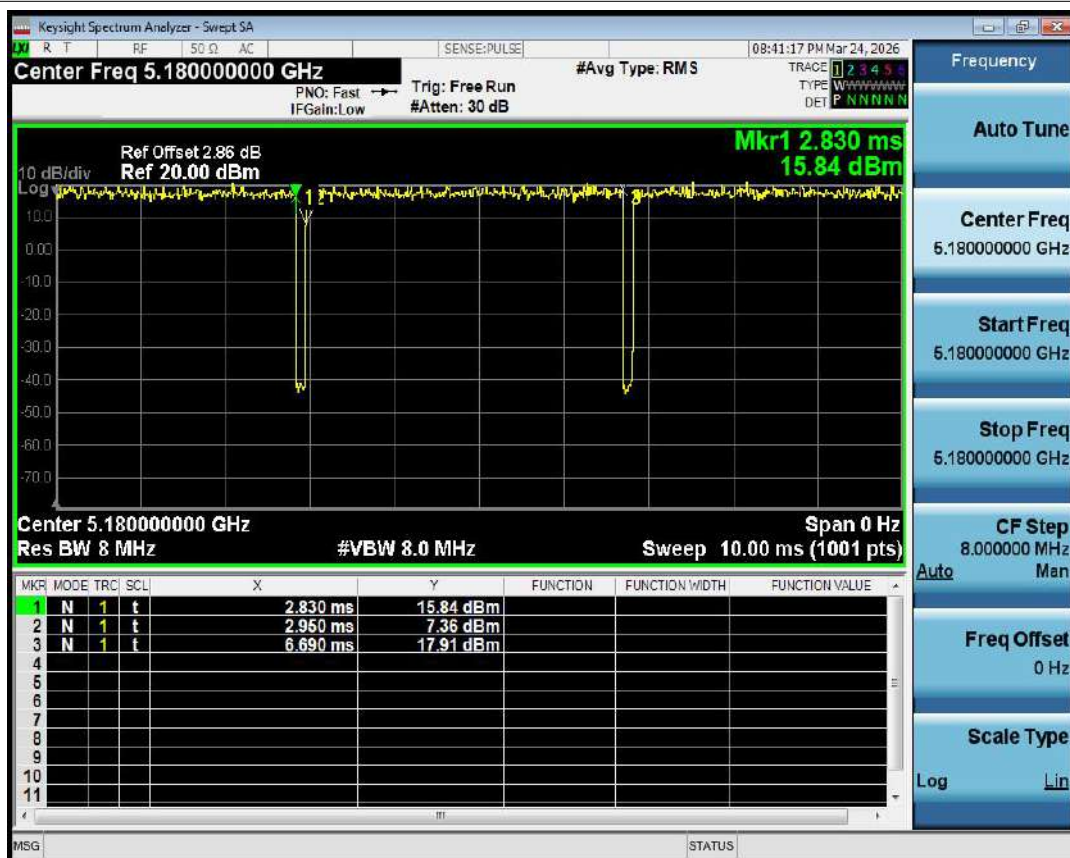
Duty Cycle NVNT a 5180MHz Ant1



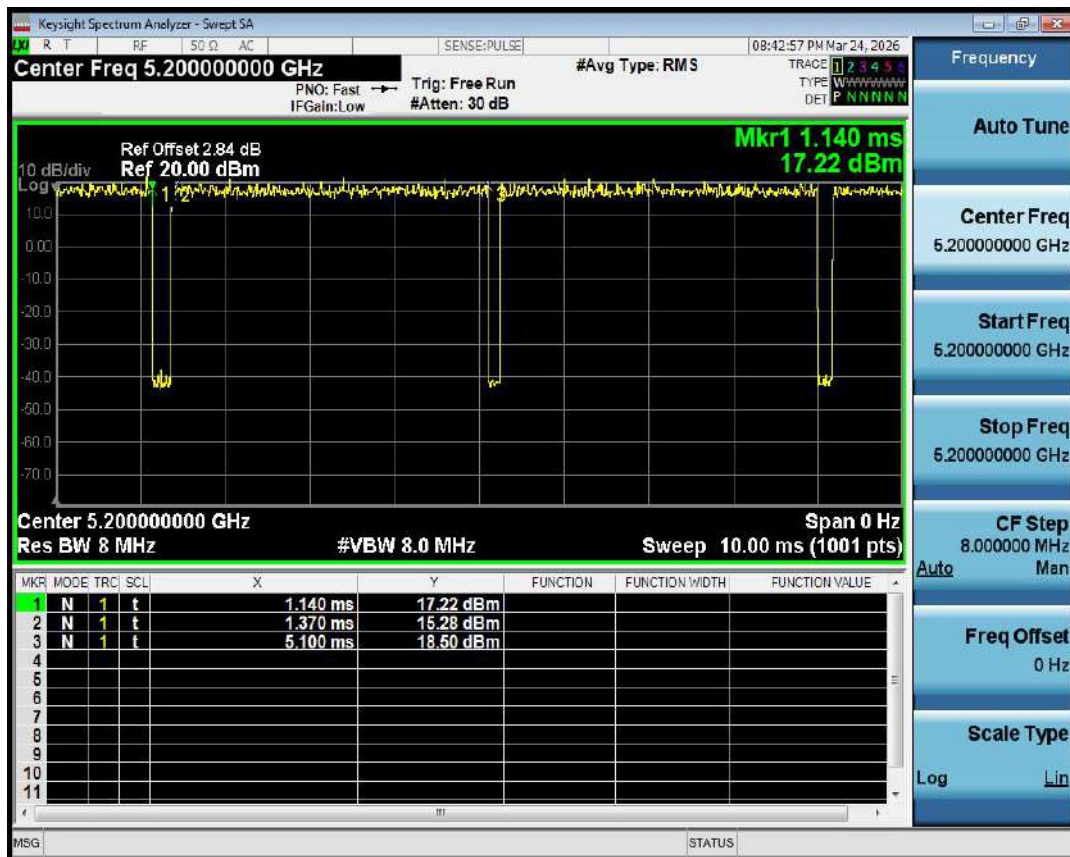
Duty Cycle NVNT a 5200MHz Ant1



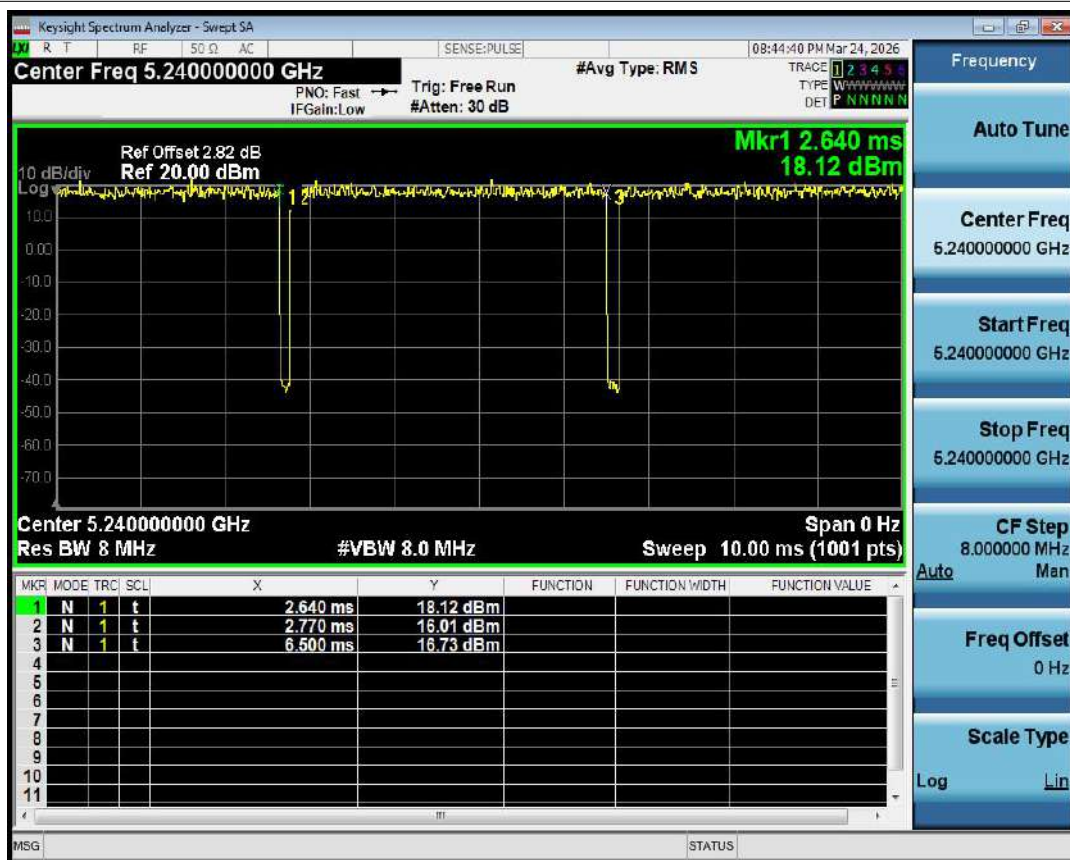
Duty Cycle NVNT a 5240MHz Ant1



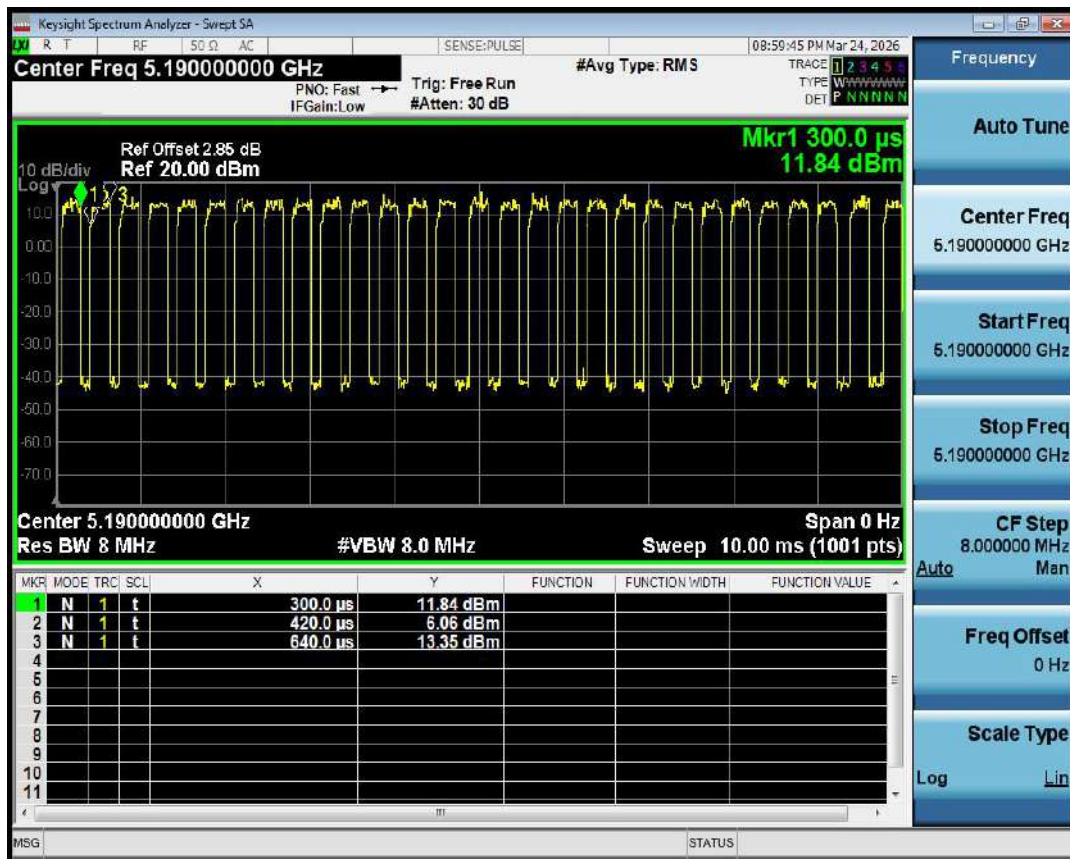
Duty Cycle NVNT n20 5180MHz Ant1



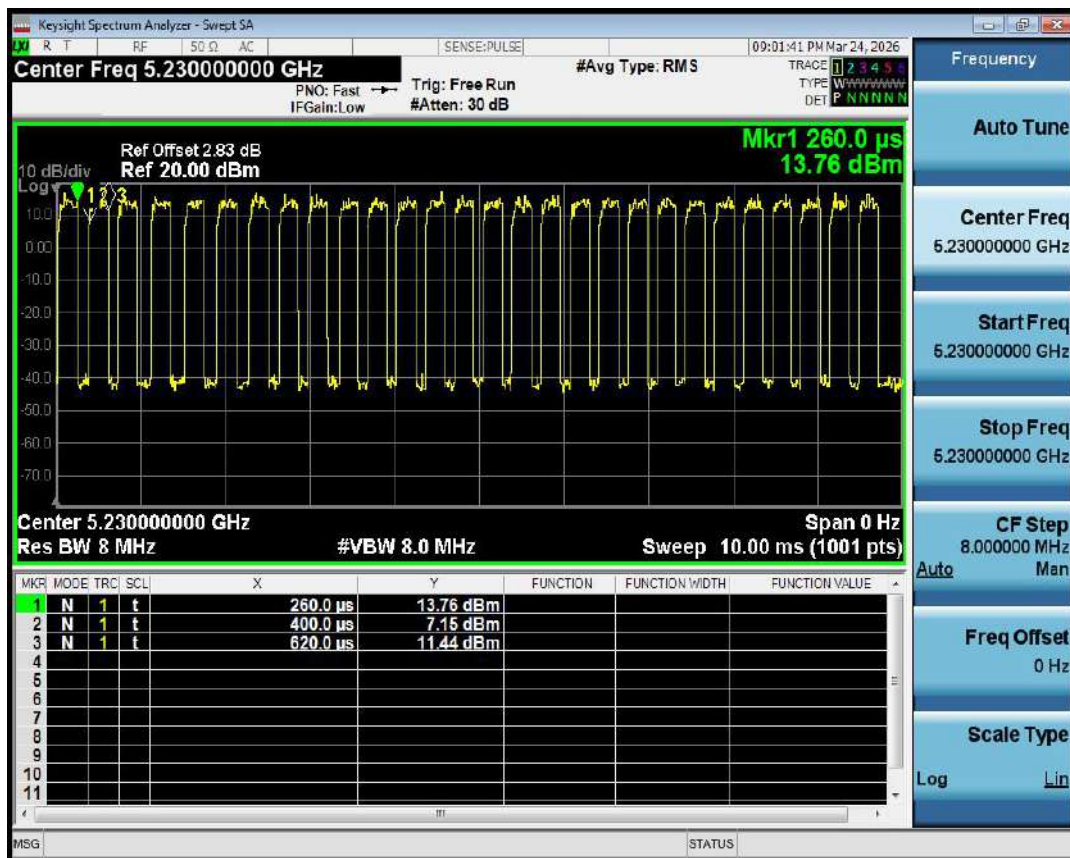
Duty Cycle NVNT n20 5200MHz Ant1



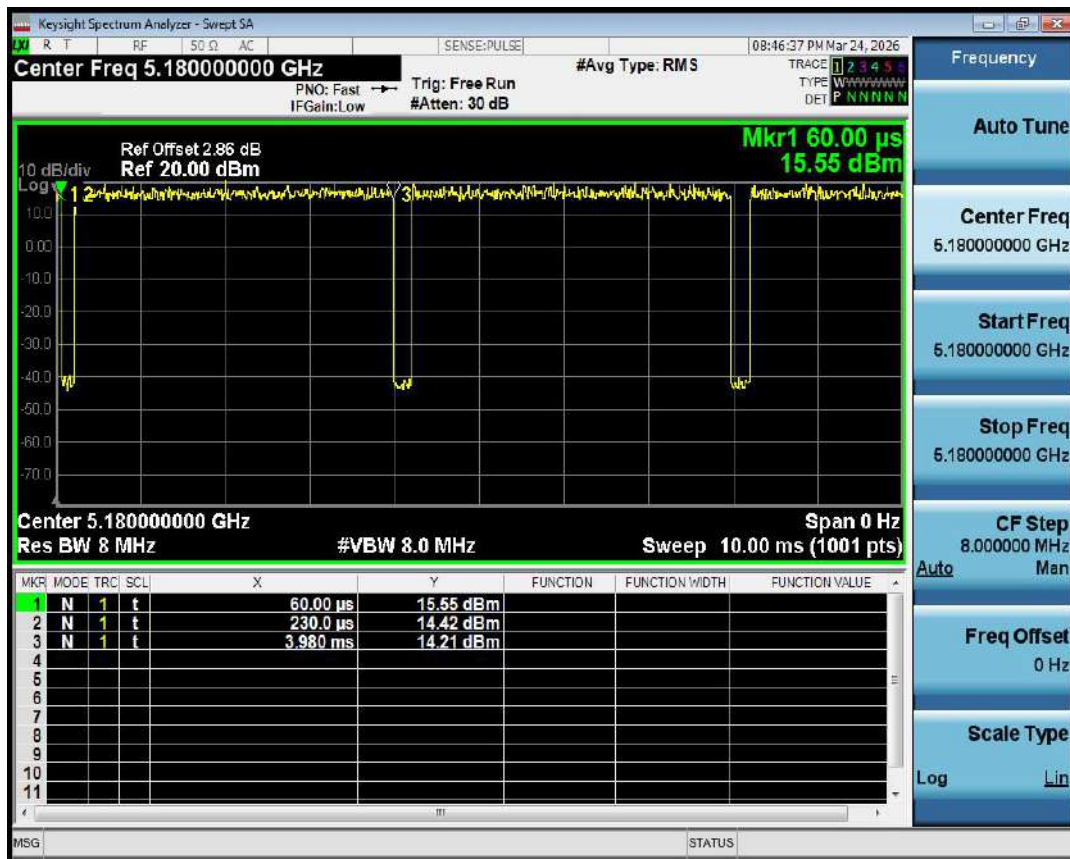
Duty Cycle NVNT n20 5240MHz Ant1



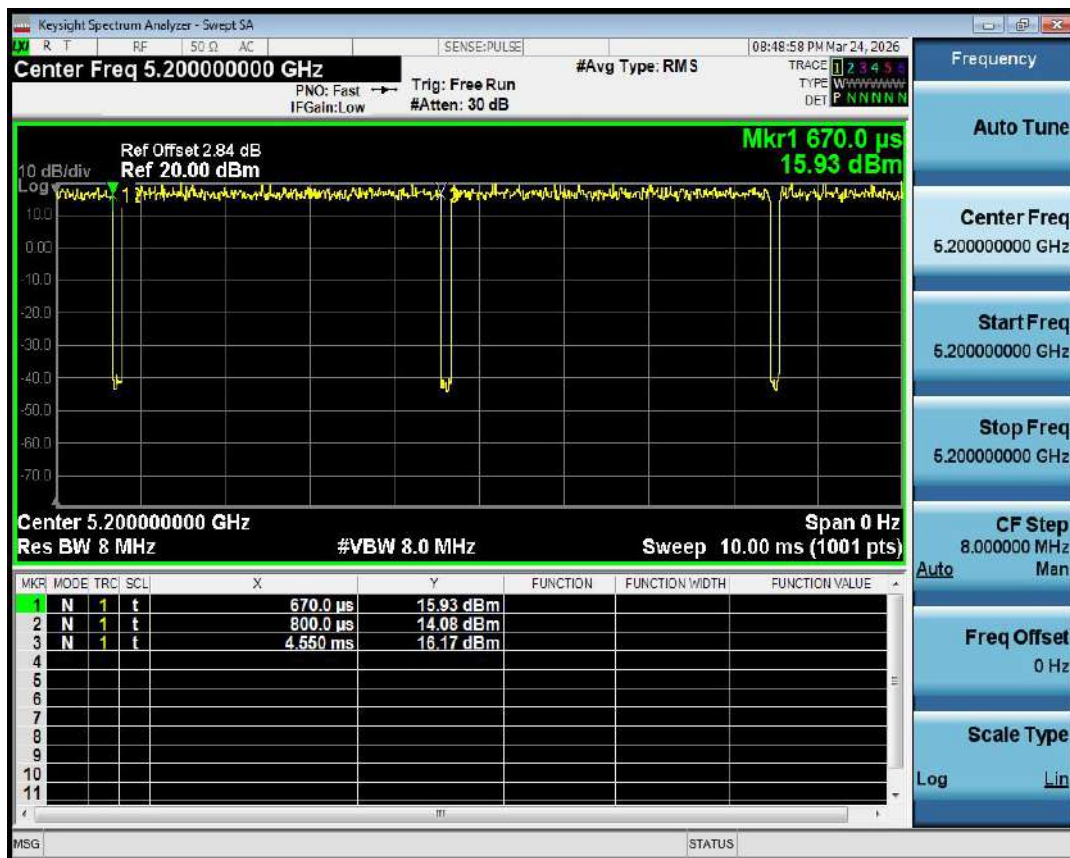
Duty Cycle NVNT n40 5190MHz Ant1



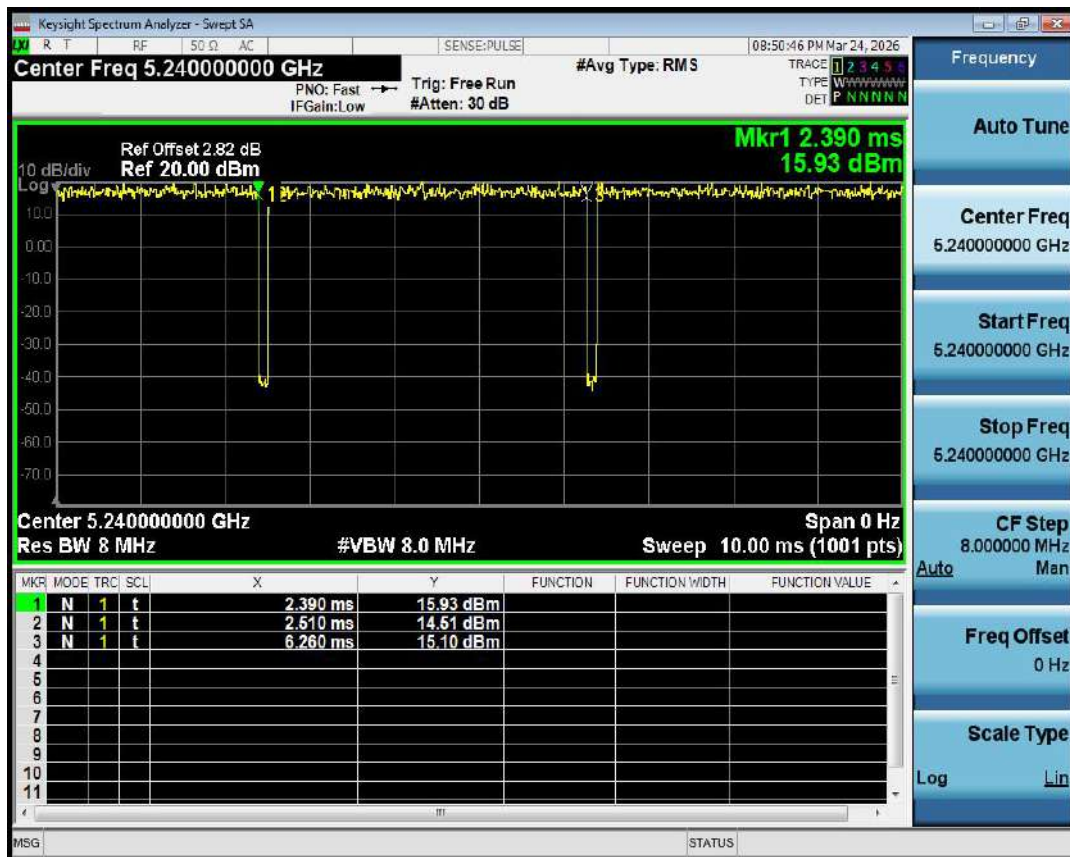
Duty Cycle NVNT n40 5230MHz Ant1



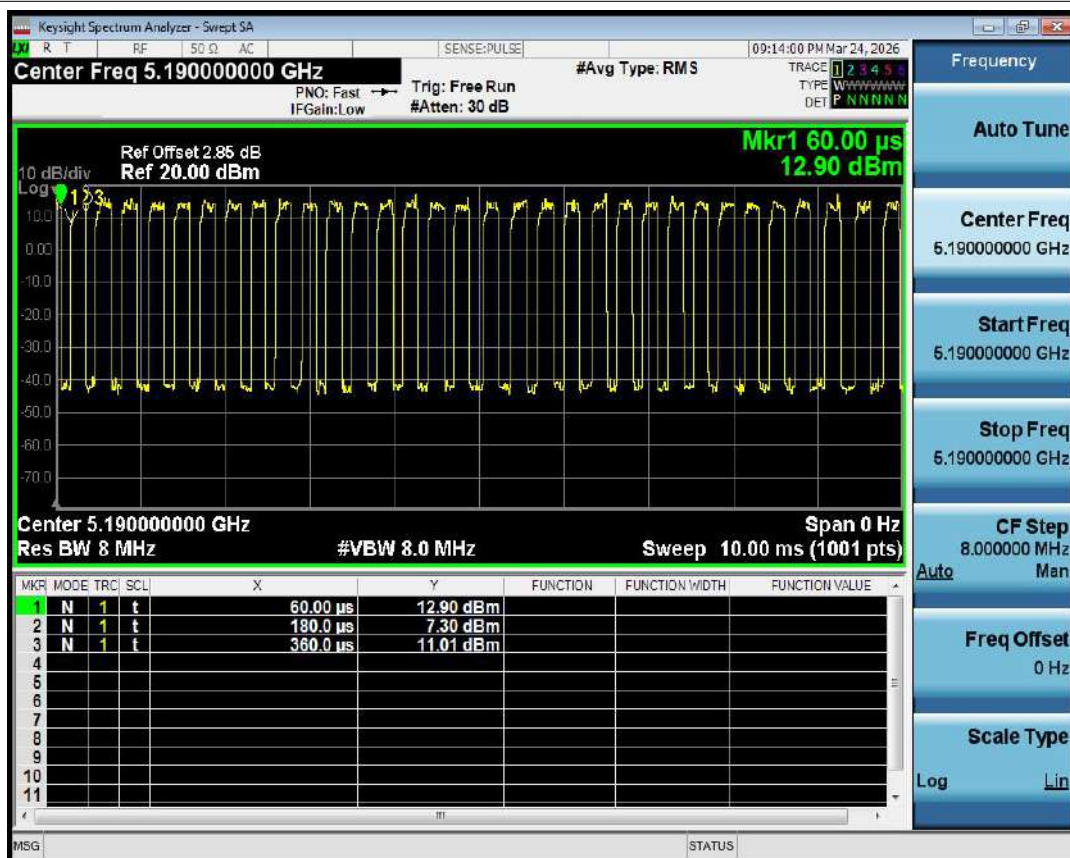
Duty Cycle NVNT ac20 5180MHz Ant1



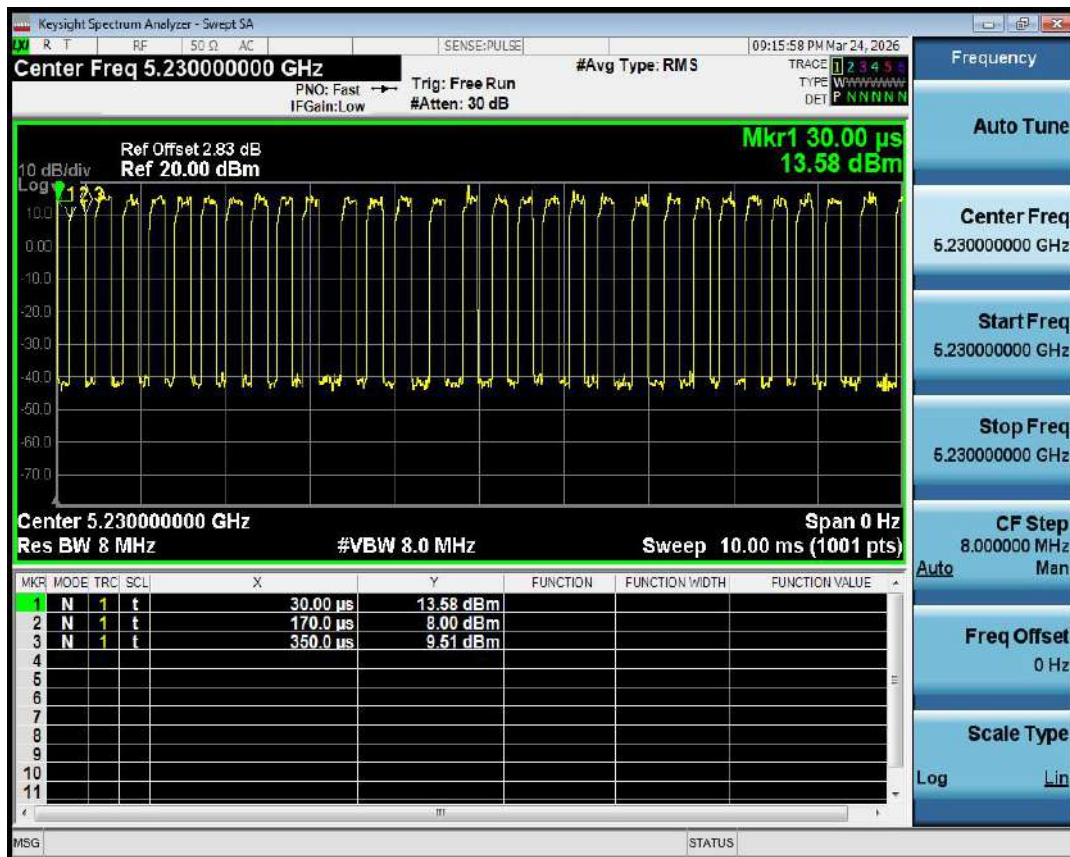
Duty Cycle NVNT ac20 5200MHz Ant1



Duty Cycle NVNT ac20 5240MHz Ant1



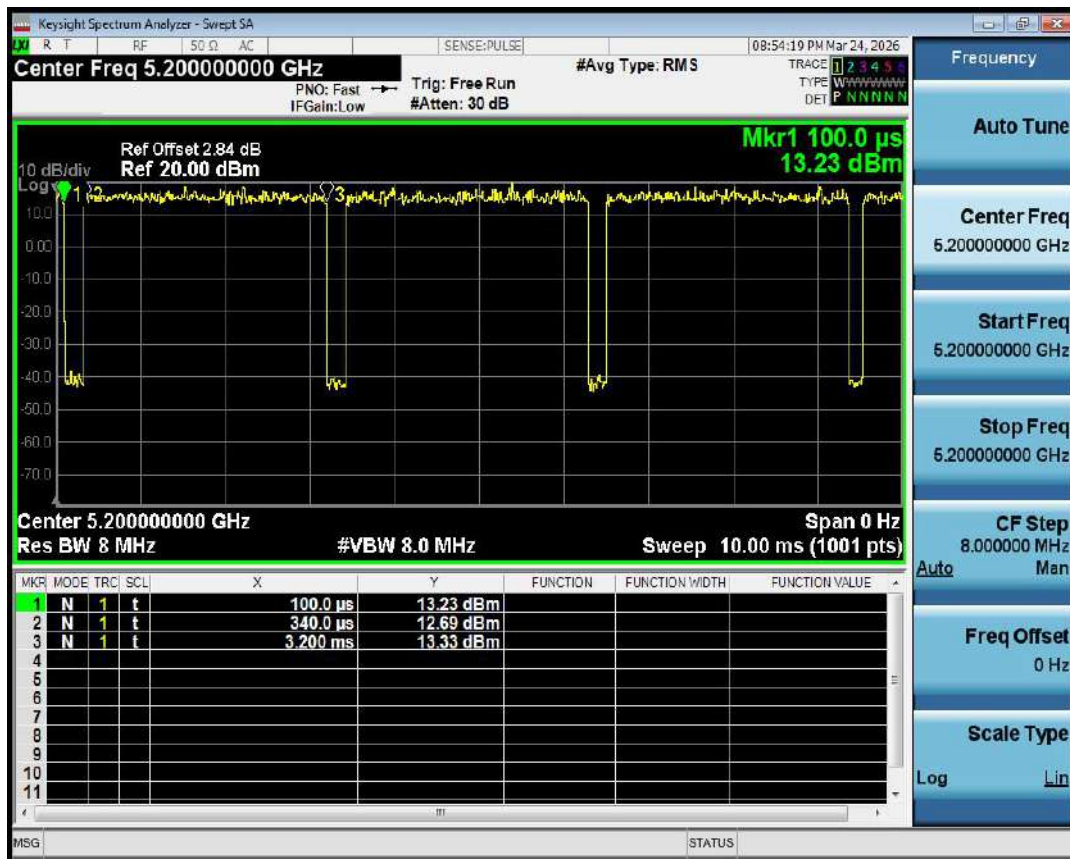
Duty Cycle NVNT ac40 5190MHz Ant1



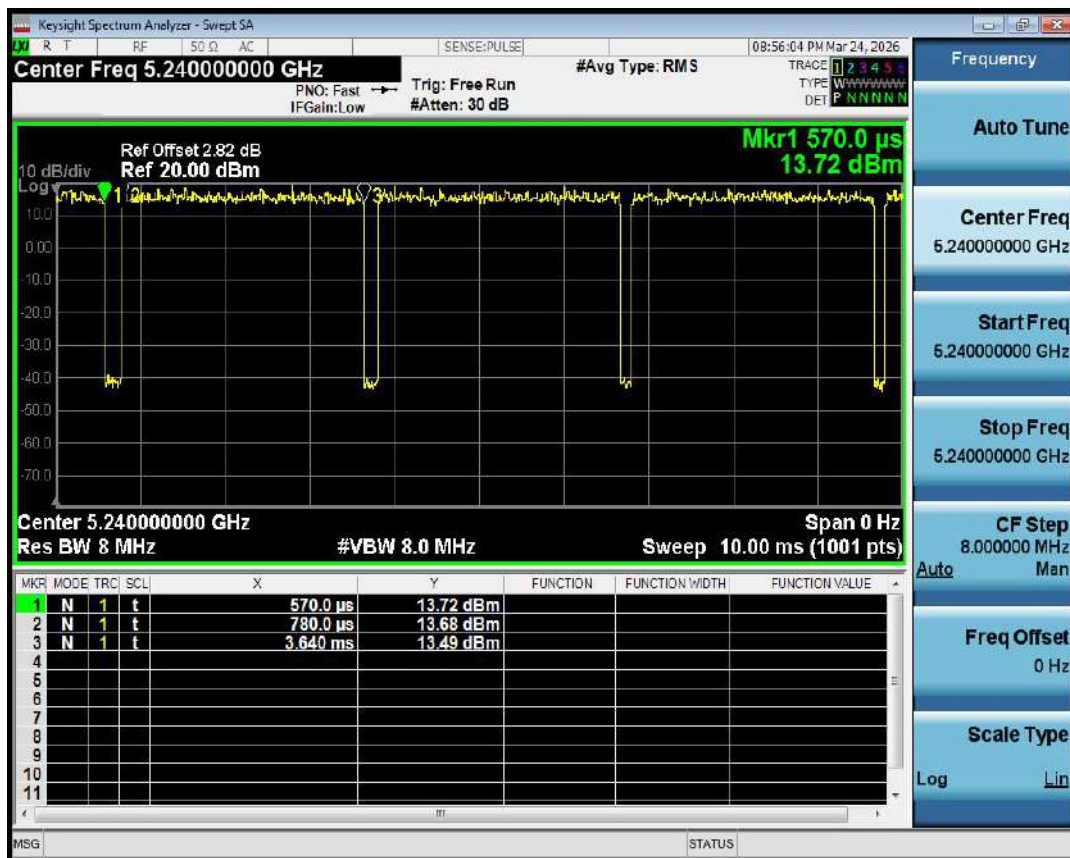
Duty Cycle NVNT ac40 5230MHz Ant1



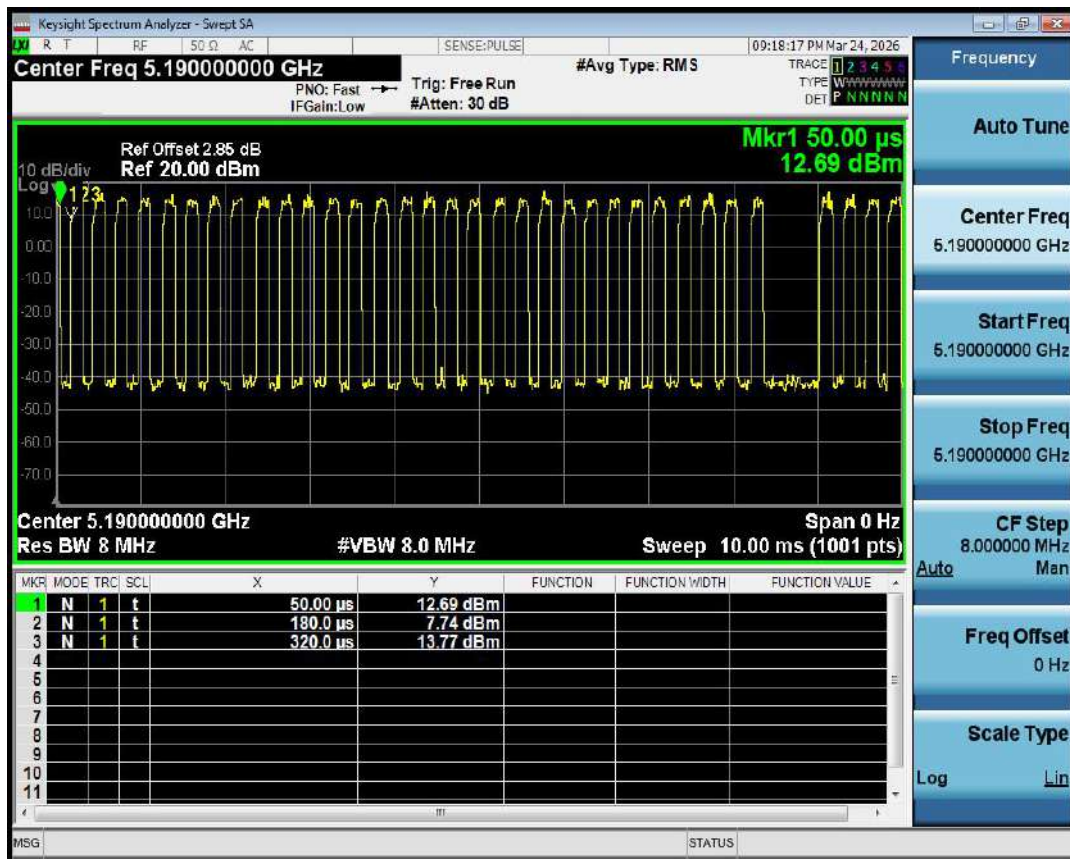
Duty Cycle NVNT ax20 5180MHz Ant1



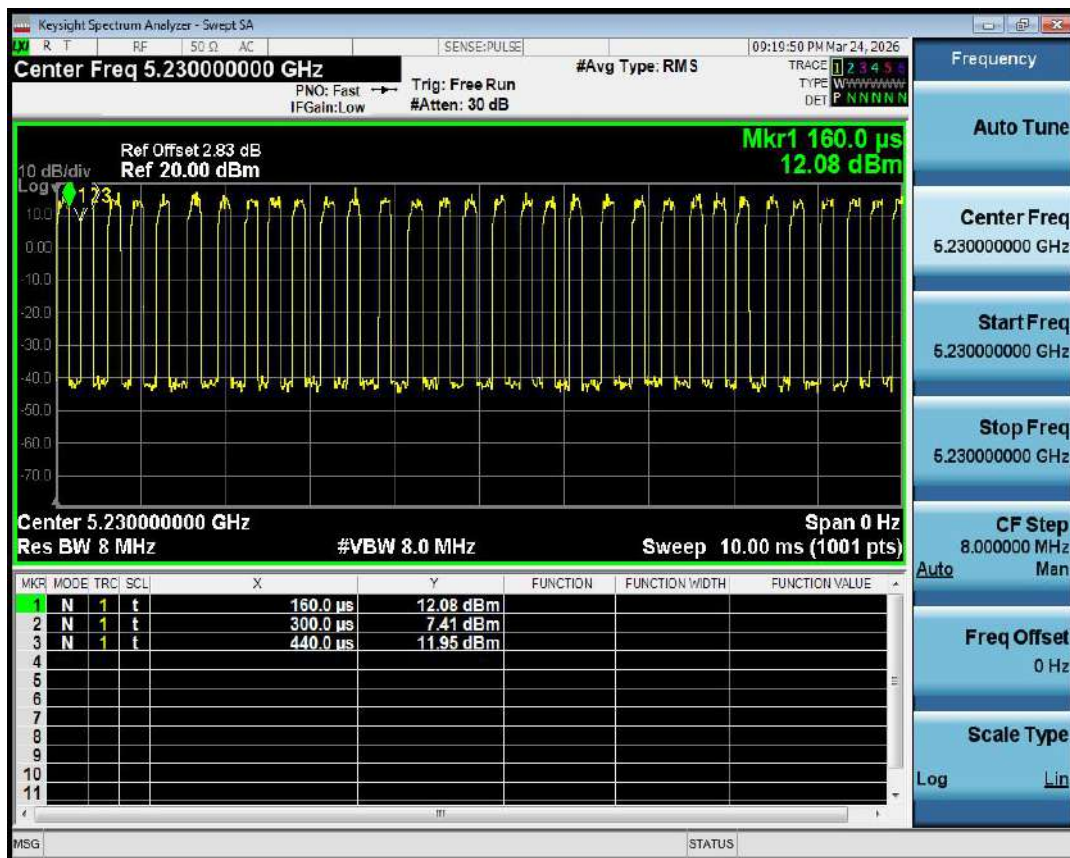
Duty Cycle NVNT ax20 5200MHz Ant1



Duty Cycle NVNT ax20 5240MHz Ant1



Duty Cycle NVNT ax40 5190MHz Ant1



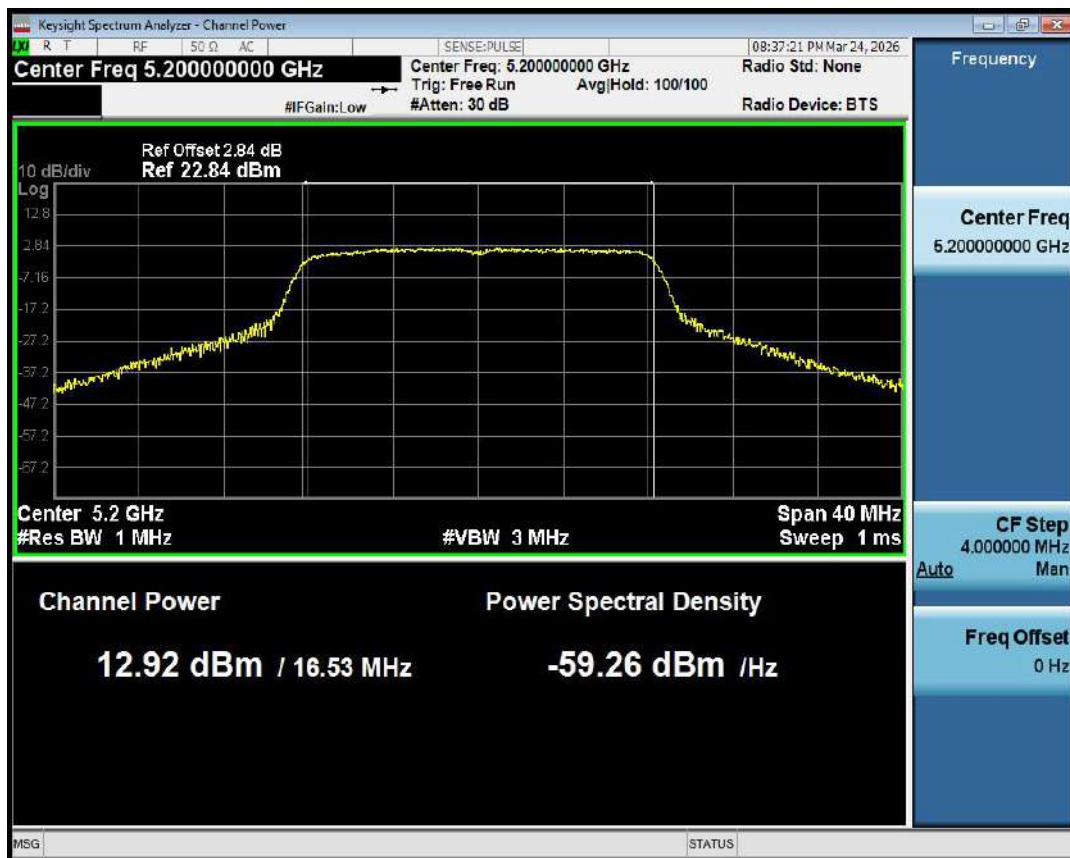
Duty Cycle NVNT ax40 5230MHz Ant1

2. Maximum Conducted Output Power

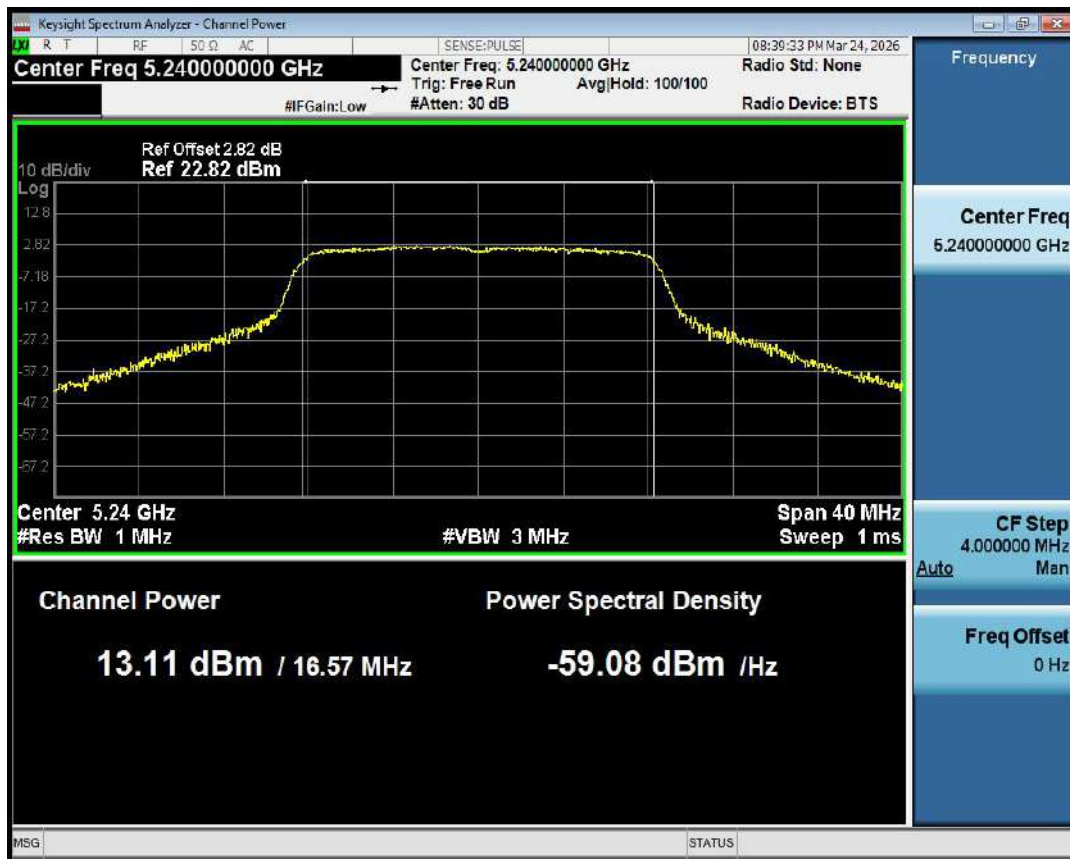
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted(dBm)	Verdict
NVNT	a	5180	Ant1	12.43	1.2	13.63	0.02307	24	Pass
NVNT	a	5200	Ant1	12.92	1.2	14.12	0.02582	24	Pass
NVNT	a	5240	Ant1	13.11	0.99	14.1	0.0257	24	Pass
NVNT	n20	5180	Ant1	13.16	0.14	13.3	0.02138	24	Pass
NVNT	n20	5200	Ant1	13.26	0.26	13.52	0.02249	24	Pass
NVNT	n20	5240	Ant1	13.33	0.15	13.48	0.02228	24	Pass
NVNT	n40	5190	Ant1	9.97	1.89	11.86	0.01535	24	Pass
NVNT	n40	5230	Ant1	10.5	2.14	12.64	0.01837	24	Pass
NVNT	ac20	5180	Ant1	12.09	0.19	12.28	0.0169	24	Pass
NVNT	ac20	5200	Ant1	12.17	0.15	12.32	0.01706	24	Pass
NVNT	ac20	5240	Ant1	12.46	0.14	12.6	0.0182	24	Pass
NVNT	ac40	5190	Ant1	10.24	2.22	12.46	0.01762	24	Pass
NVNT	ac40	5230	Ant1	10.64	2.5	13.14	0.02061	24	Pass
NVNT	ax20	5180	Ant1	10.97	0.19	11.16	0.01306	24	Pass
NVNT	ax20	5200	Ant1	11.07	0.35	11.42	0.01387	24	Pass
NVNT	ax20	5240	Ant1	11.25	0.31	11.56	0.01432	24	Pass
NVNT	ax40	5190	Ant1	8.97	2.85	11.82	0.01521	24	Pass
NVNT	ax40	5230	Ant1	9.98	3.01	12.99	0.01991	24	Pass



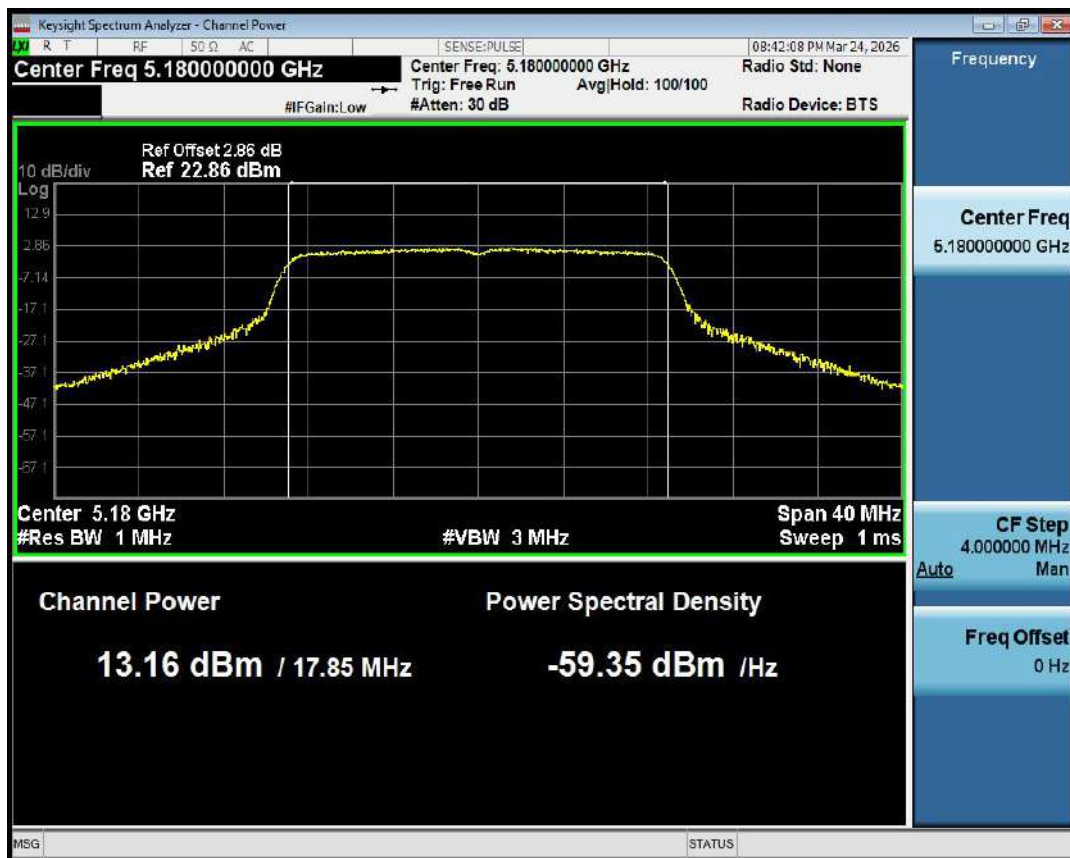
Power NVNT a 5180MHz Ant1



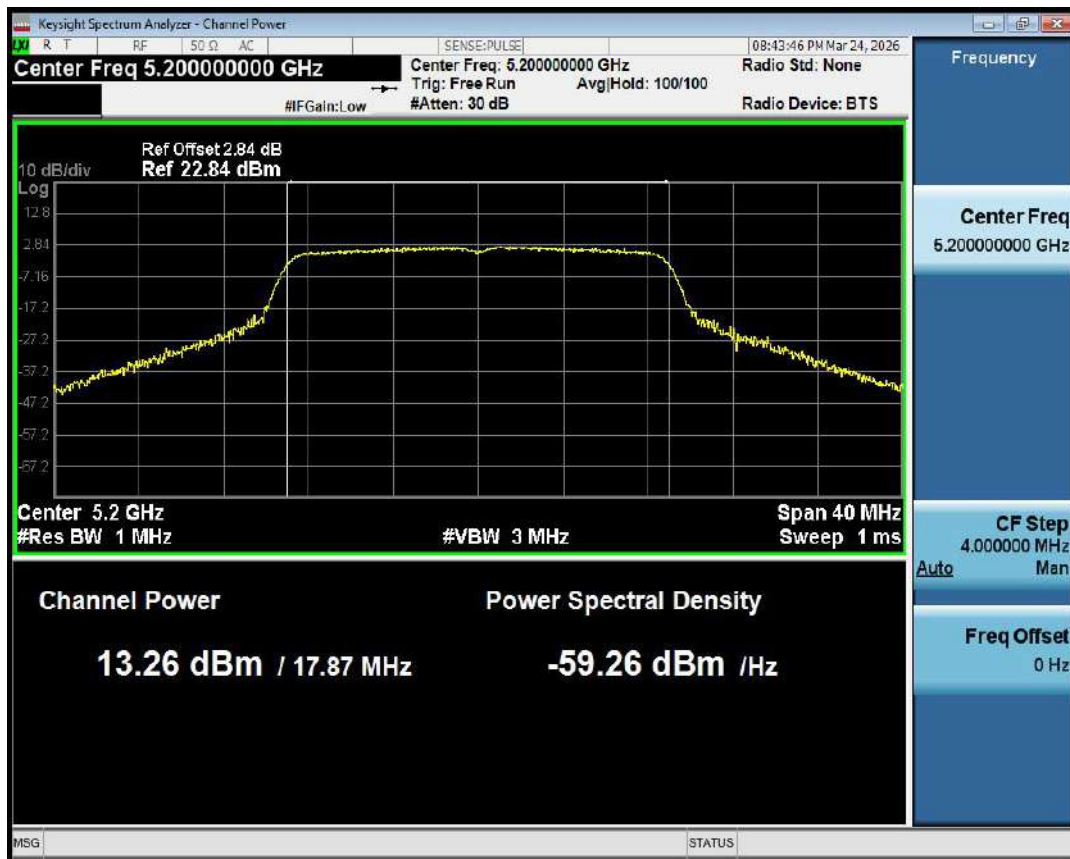
Power NVNT a 5200MHz Ant1



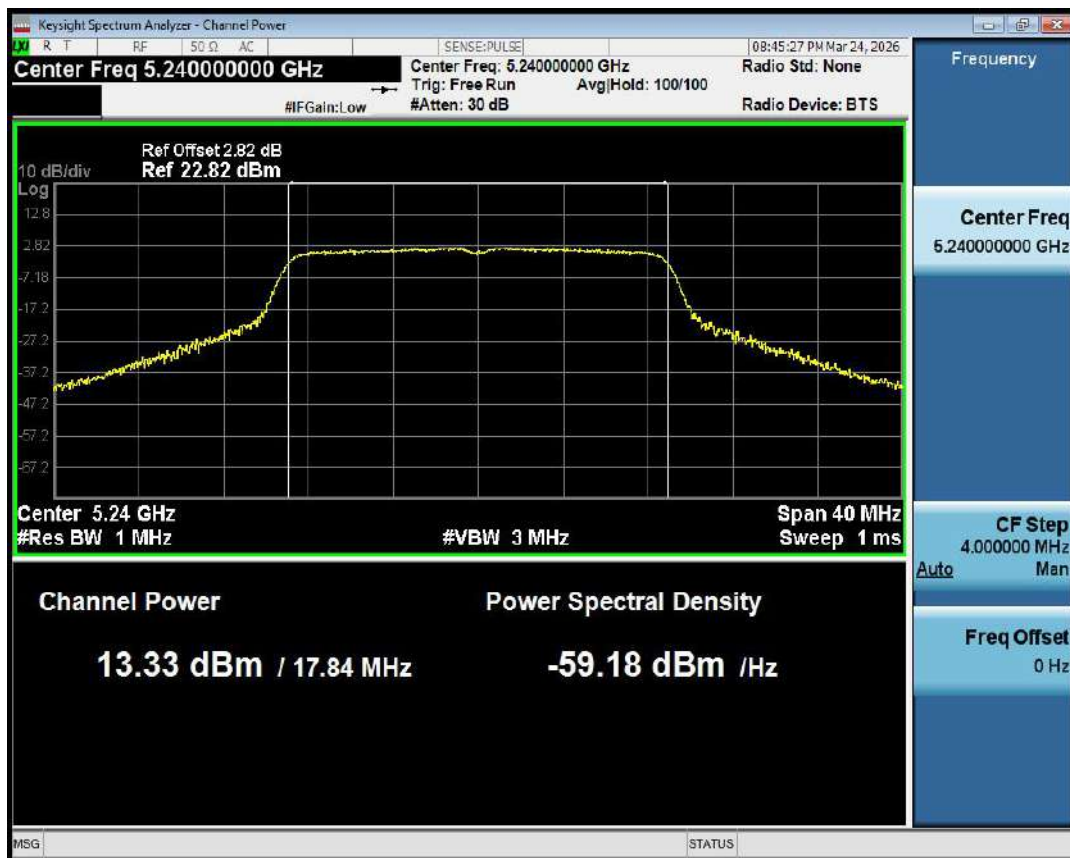
Power NVNT a 5240MHz Ant1



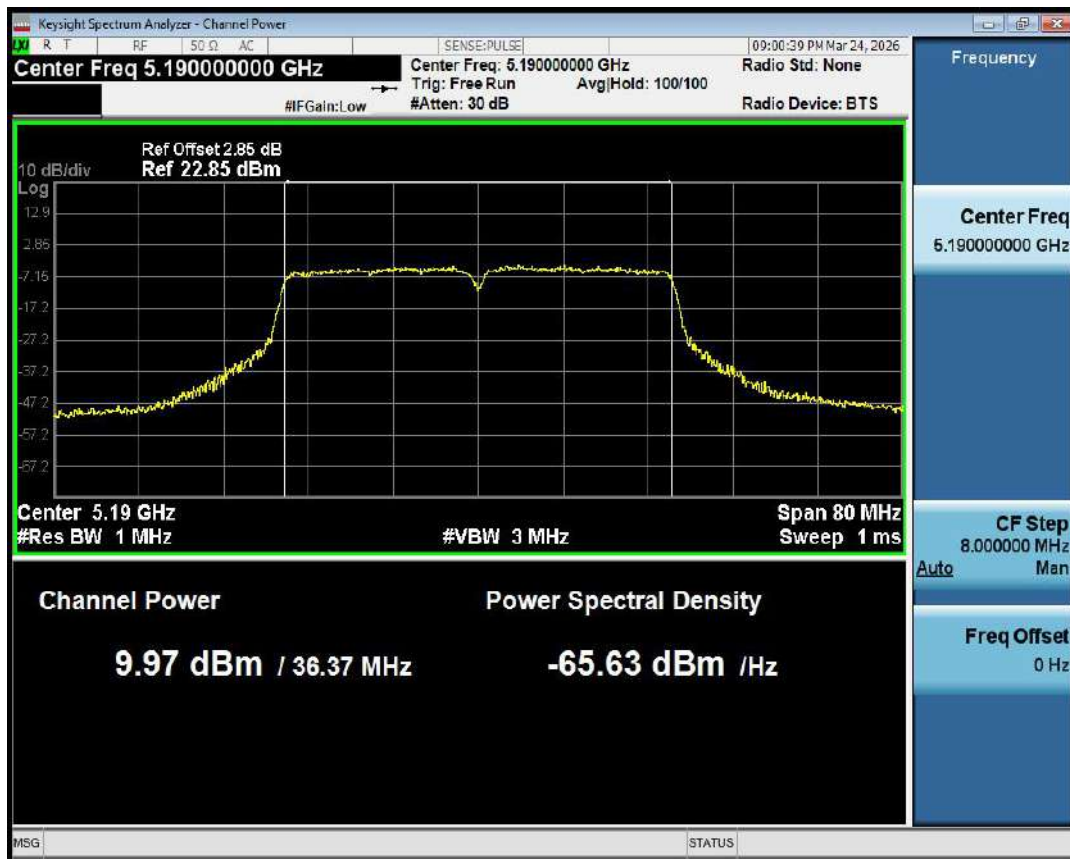
Power NVNT n20 5180MHz Ant1



Power NVNT n20 5200MHz Ant1



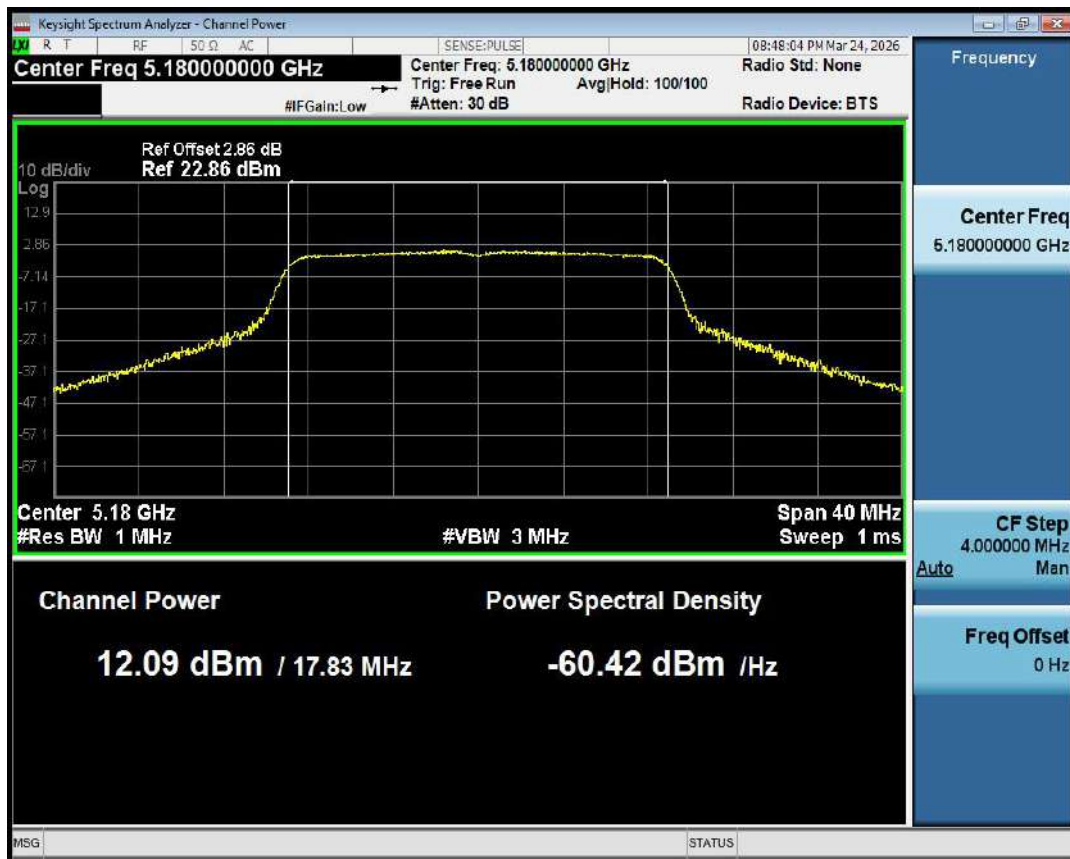
Power NVNT n20 5240MHz Ant1



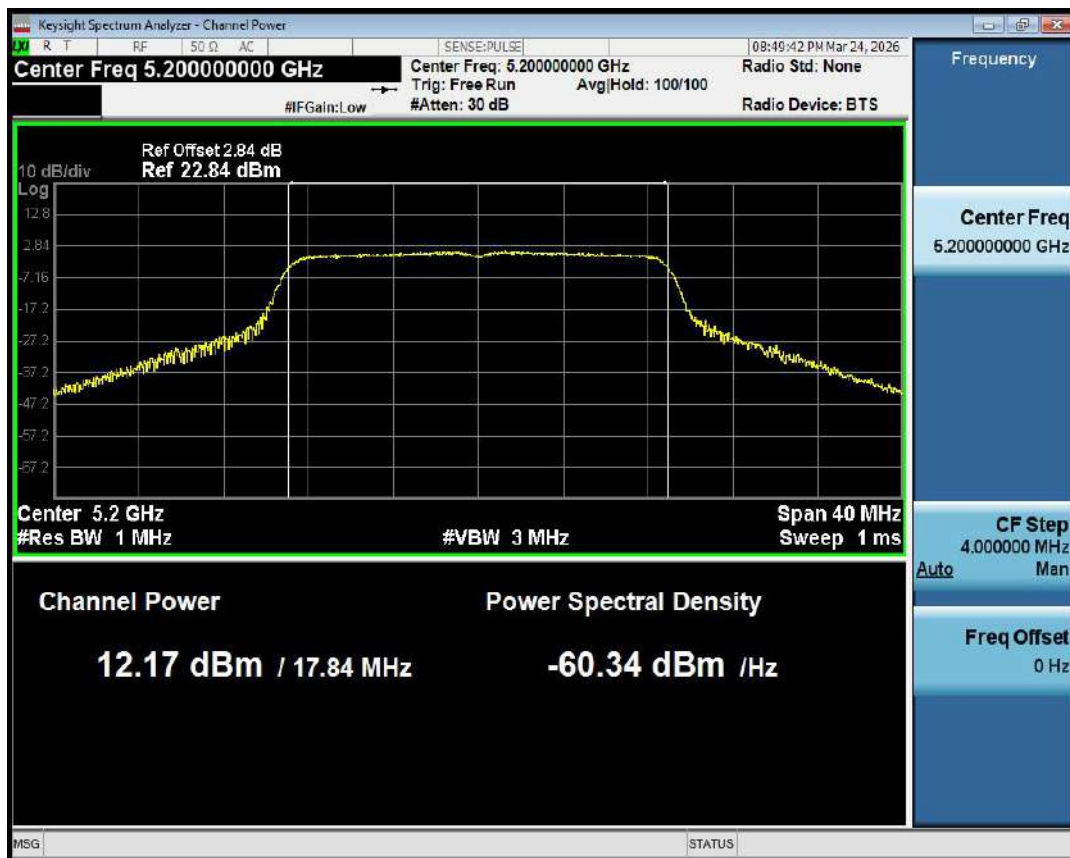
Power NVNT n40 5190MHz Ant1



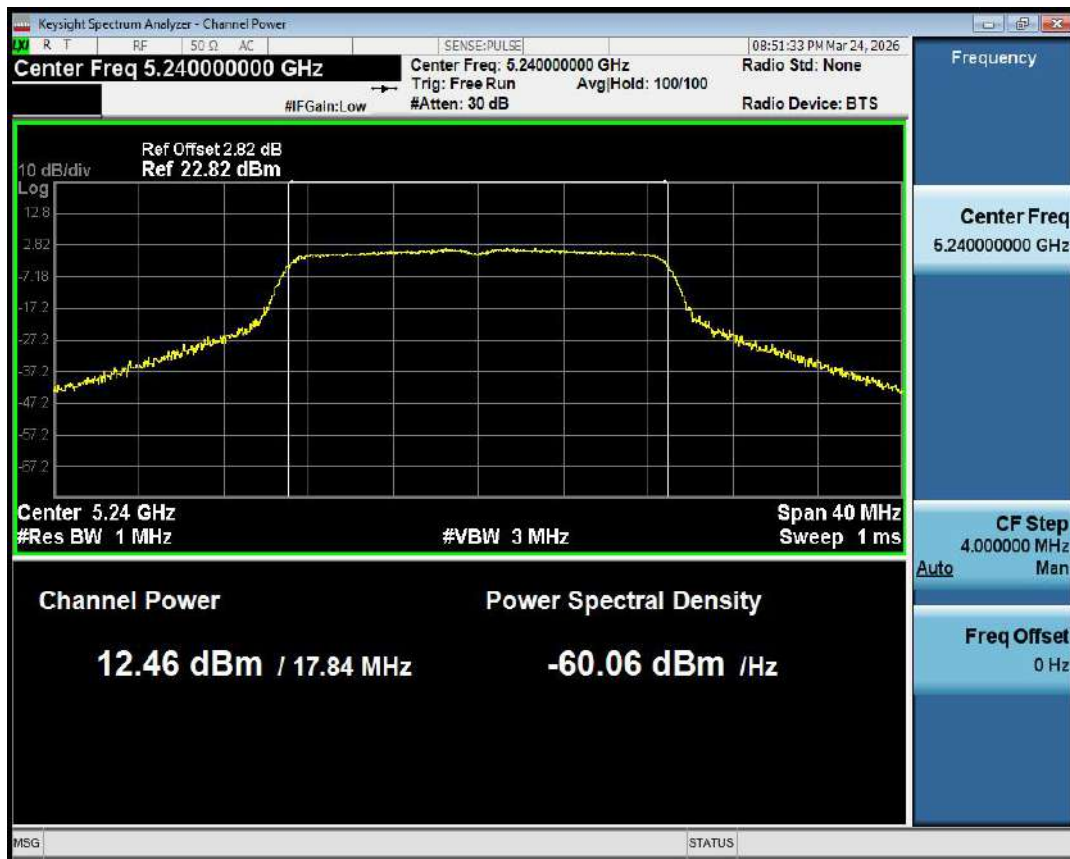
Power NVNT n40 5230MHz Ant1



Power NVNT ac20 5180MHz Ant1



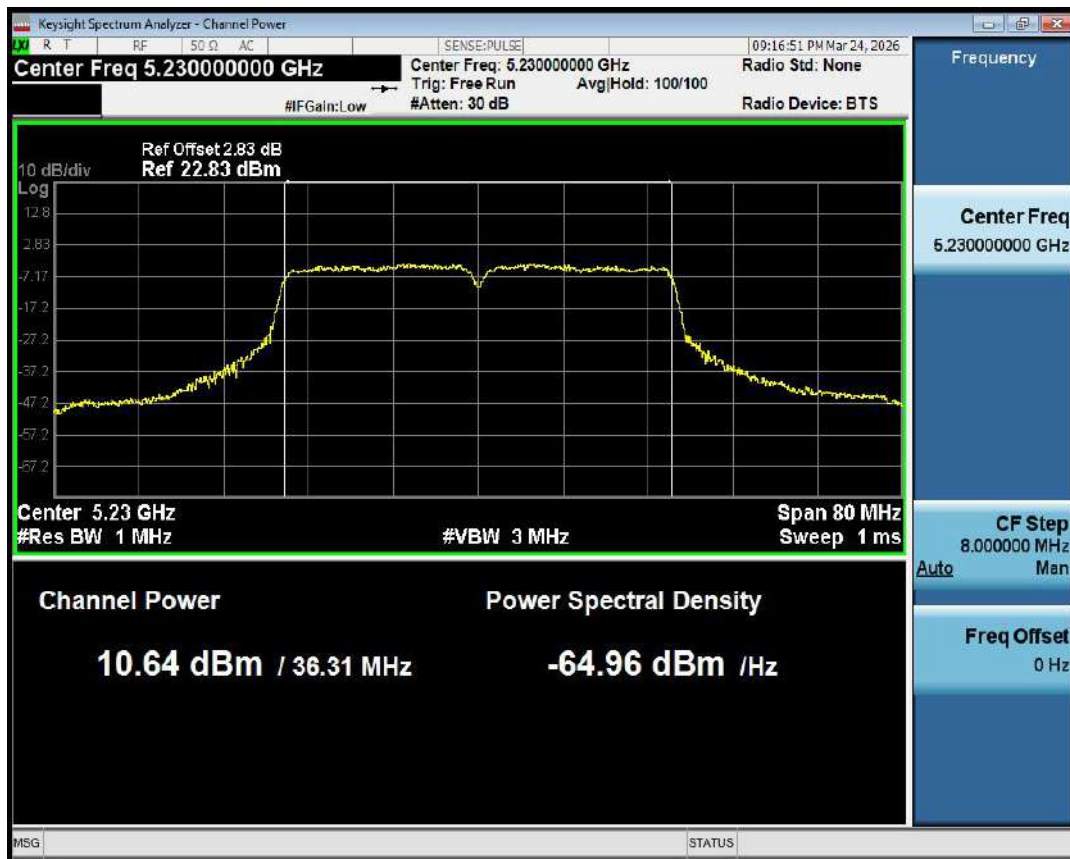
Power NVNT ac20 5200MHz Ant1



Power NVNT ac20 5240MHz Ant1



Power NVNT ac40 5190MHz Ant1



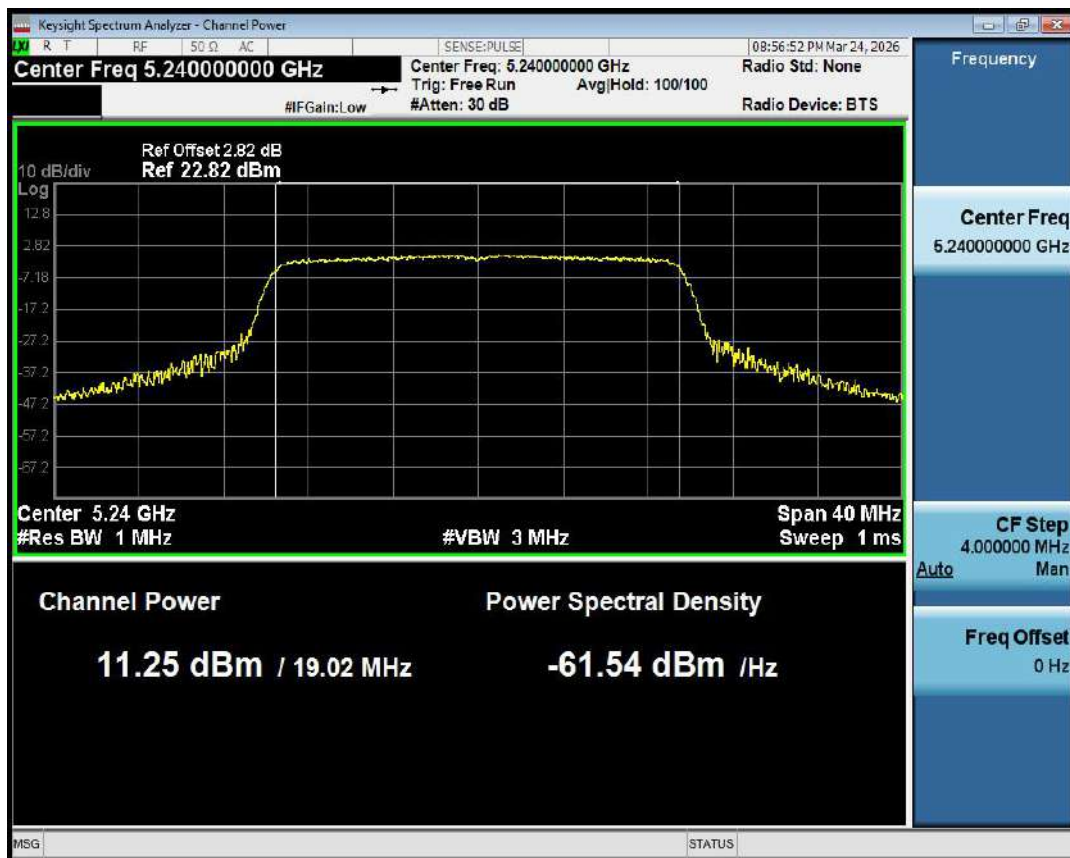
Power NVNT ac40 5230MHz Ant1



Power NVNT ax20 5180MHz Ant1



Power NVNT ax20 5200MHz Ant1



Power NVNT ax20 5240MHz Ant1



Power NVNT ax40 5190MHz Ant1



Power NVNT ax40 5230MHz Ant1

3. -26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	24.61
NVNT	a	5200	Ant1	24.86
NVNT	a	5240	Ant1	24.46
NVNT	n20	5180	Ant1	29.04
NVNT	n20	5200	Ant1	27.73
NVNT	n20	5240	Ant1	27.51
NVNT	n40	5190	Ant1	45.54
NVNT	n40	5230	Ant1	46.17
NVNT	ac20	5180	Ant1	27.35
NVNT	ac20	5200	Ant1	27.56
NVNT	ac20	5240	Ant1	27.65
NVNT	ac40	5190	Ant1	45.71
NVNT	ac40	5230	Ant1	46.74
NVNT	ax20	5180	Ant1	26.52
NVNT	ax20	5200	Ant1	27.04
NVNT	ax20	5240	Ant1	27.33
NVNT	ax40	5190	Ant1	45.63
NVNT	ax40	5230	Ant1	48.15



-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