

FCC ID:2BUXG-AL4MW301W

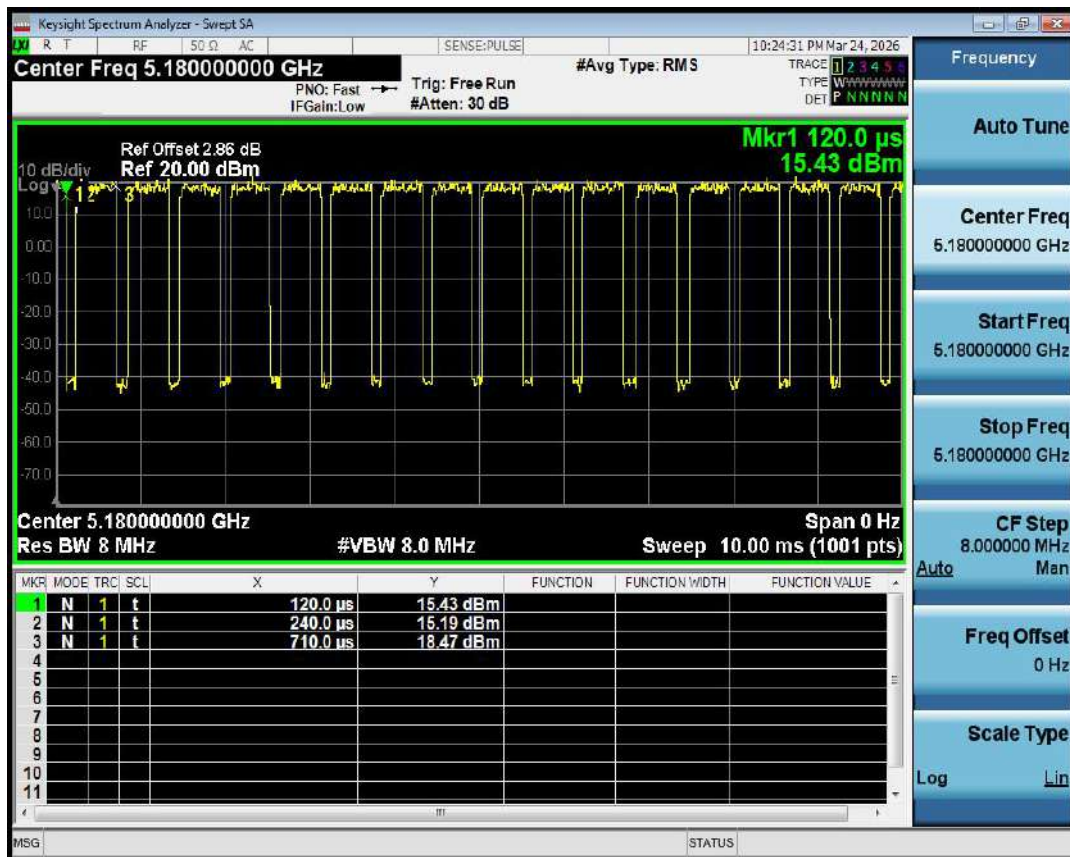
FCC_5.2G_WIFI (Part15.407) Test Data

Table of Contents

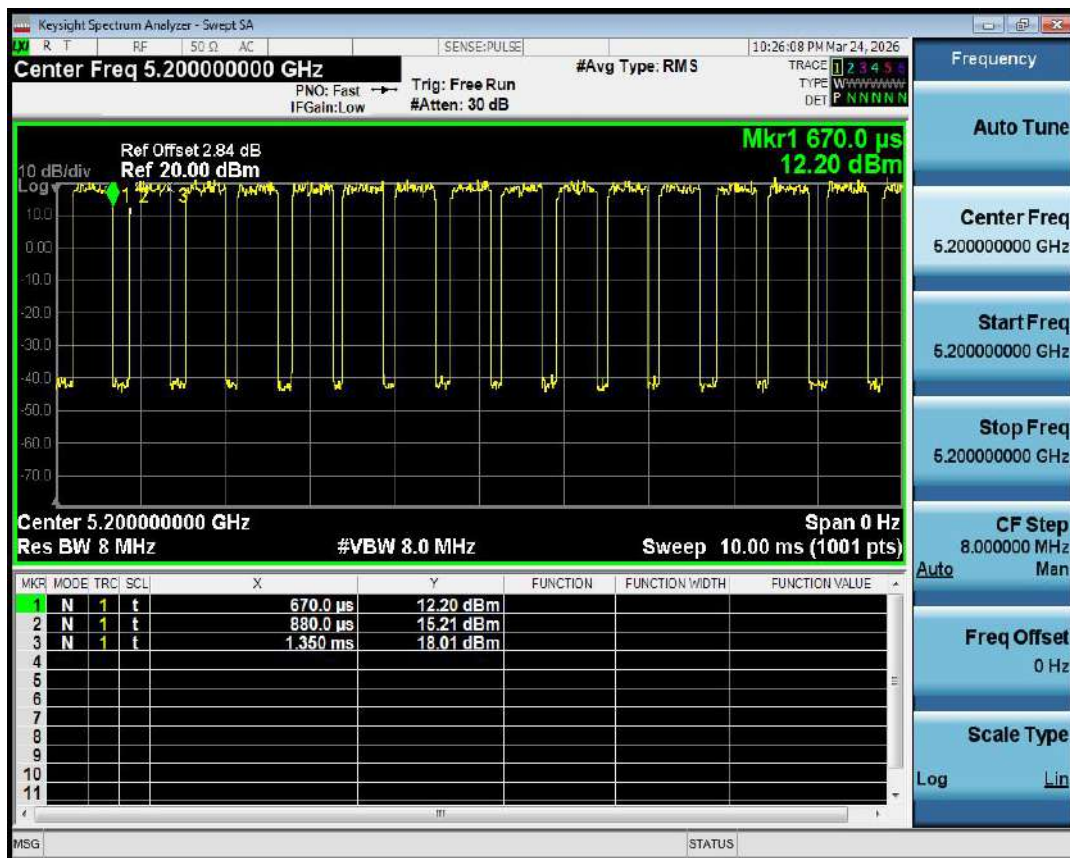
1. Duty Cycle	2
2. Maximum Conducted Output Power	12
3. -26dB Bandwidth	22
4. Occupied Channel Bandwidth	32
5. Maximum Power Spectral Density Level	42
6. Bandedge	52
7. Spurious Emission	60
8. Frequency Stability	70

1. Duty Cycle

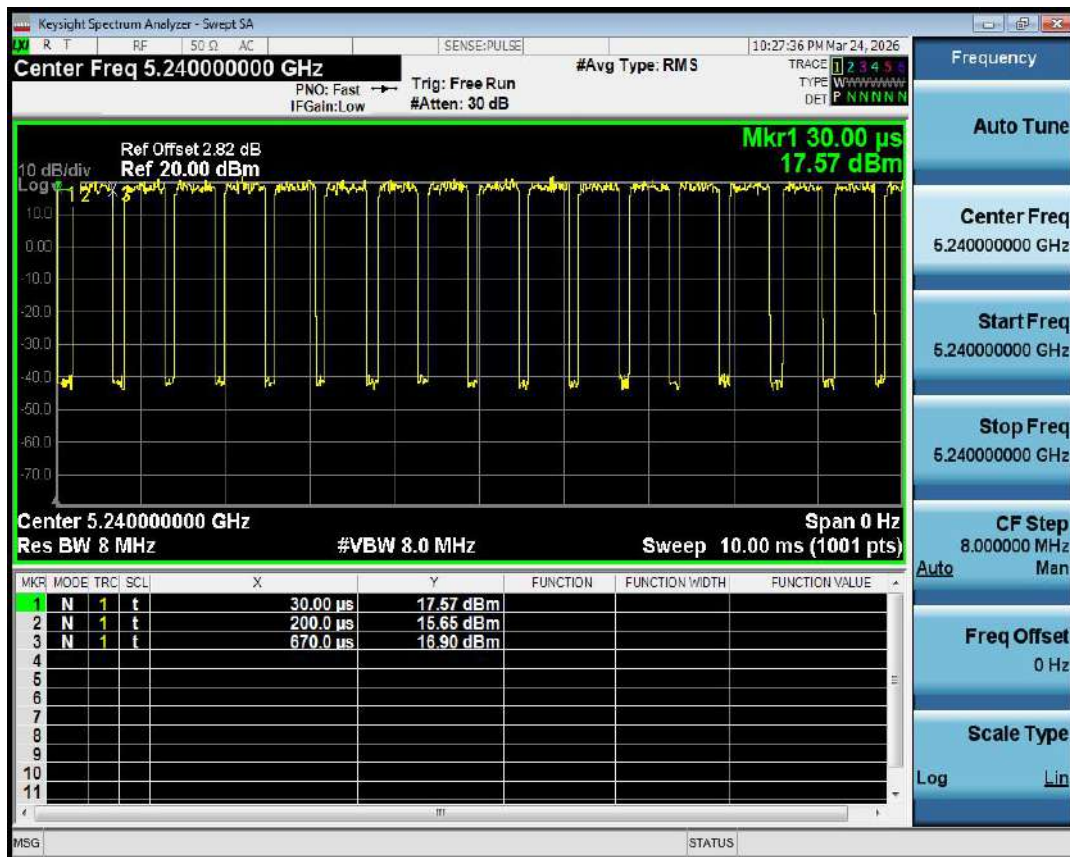
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	79.66	0.99	2.13
NVNT	a	5200	Ant1	69.12	1.6	2.13
NVNT	a	5240	Ant1	73.44	1.34	2.13
NVNT	n20	5180	Ant1	94.68	0.24	0.27
NVNT	n20	5200	Ant1	95.4	0.2	0.27
NVNT	n20	5240	Ant1	95.64	0.19	0.27
NVNT	n40	5190	Ant1	61.76	2.09	4.76
NVNT	n40	5230	Ant1	59.46	2.26	4.55
NVNT	ac20	5180	Ant1	95.9	0.18	0.27
NVNT	ac20	5200	Ant1	96.9	0.14	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	58.62	2.32	5.88
NVNT	ax20	5180	Ant1	81.77	0.87	0.35
NVNT	ax20	5200	Ant1	94.39	0.25	0.35
NVNT	ax20	5240	Ant1	94.7	0.24	0.35
NVNT	ax40	5190	Ant1	51.85	2.85	7.14
NVNT	ax40	5230	Ant1	51.85	2.85	7.14



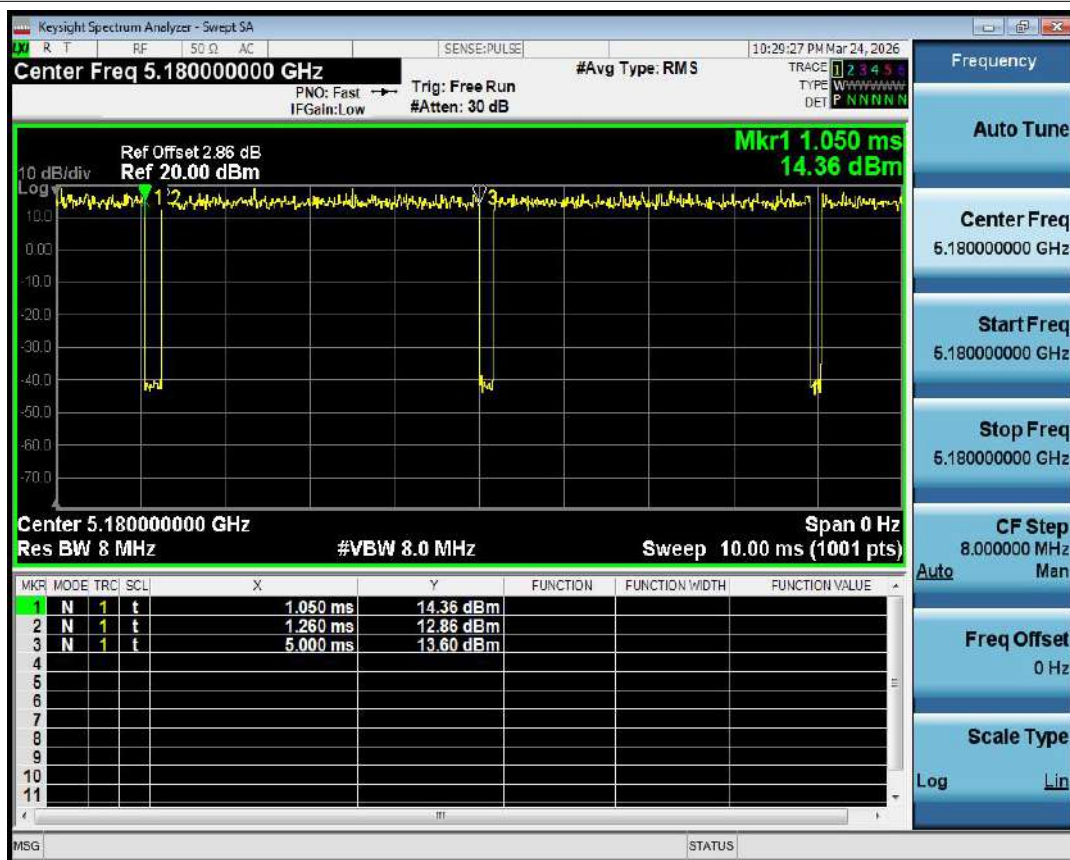
Duty Cycle NVNT a 5180MHz Ant1



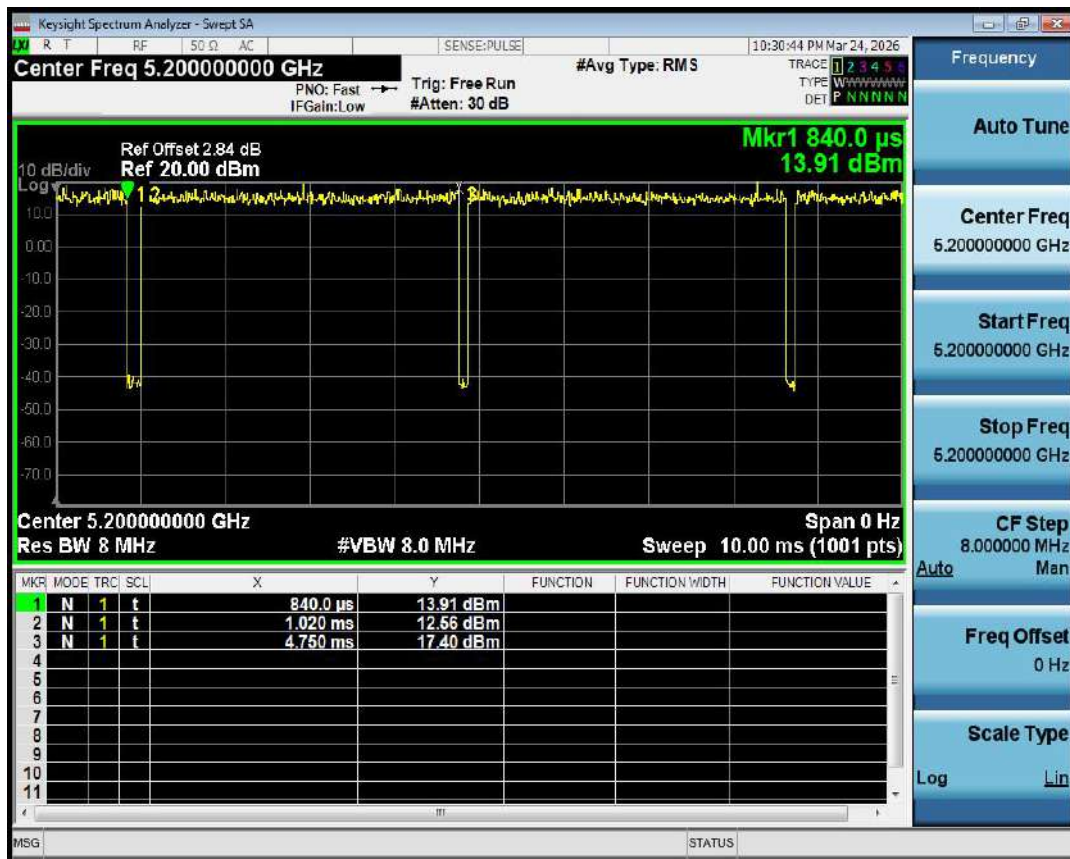
Duty Cycle NVNT a 5200MHz Ant1



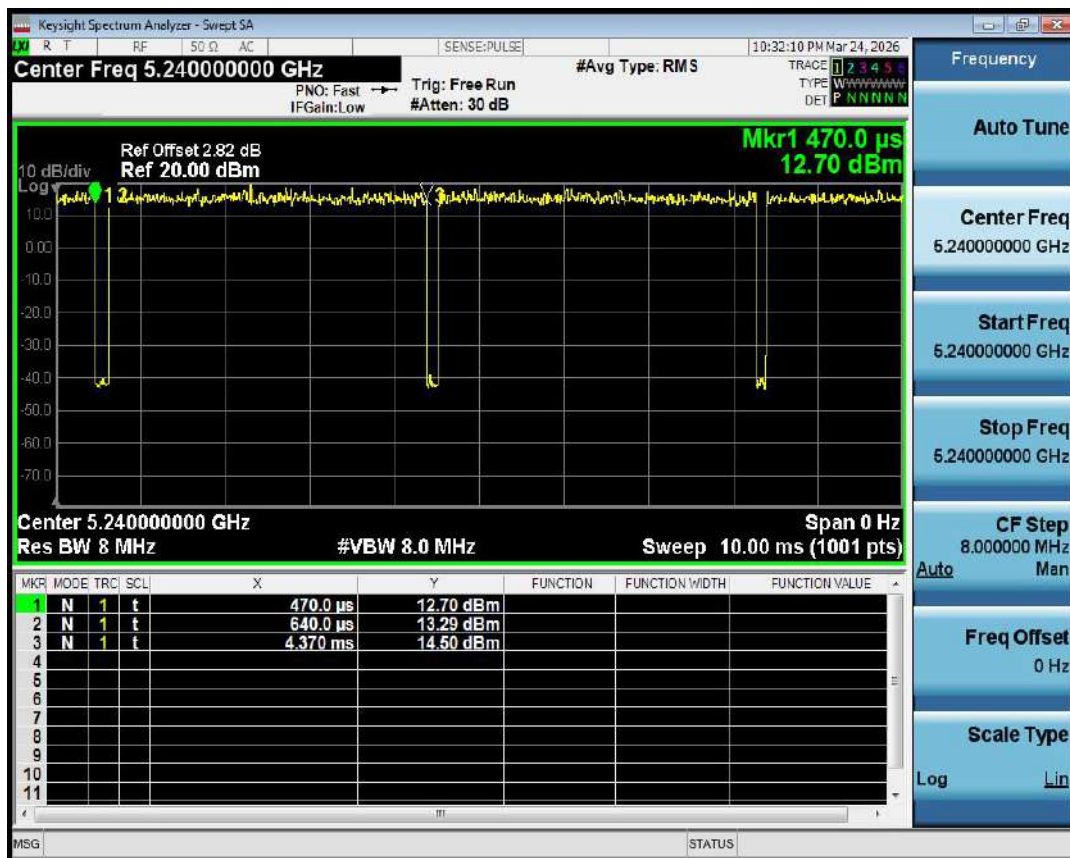
Duty Cycle NVNT a 5240MHz Ant1



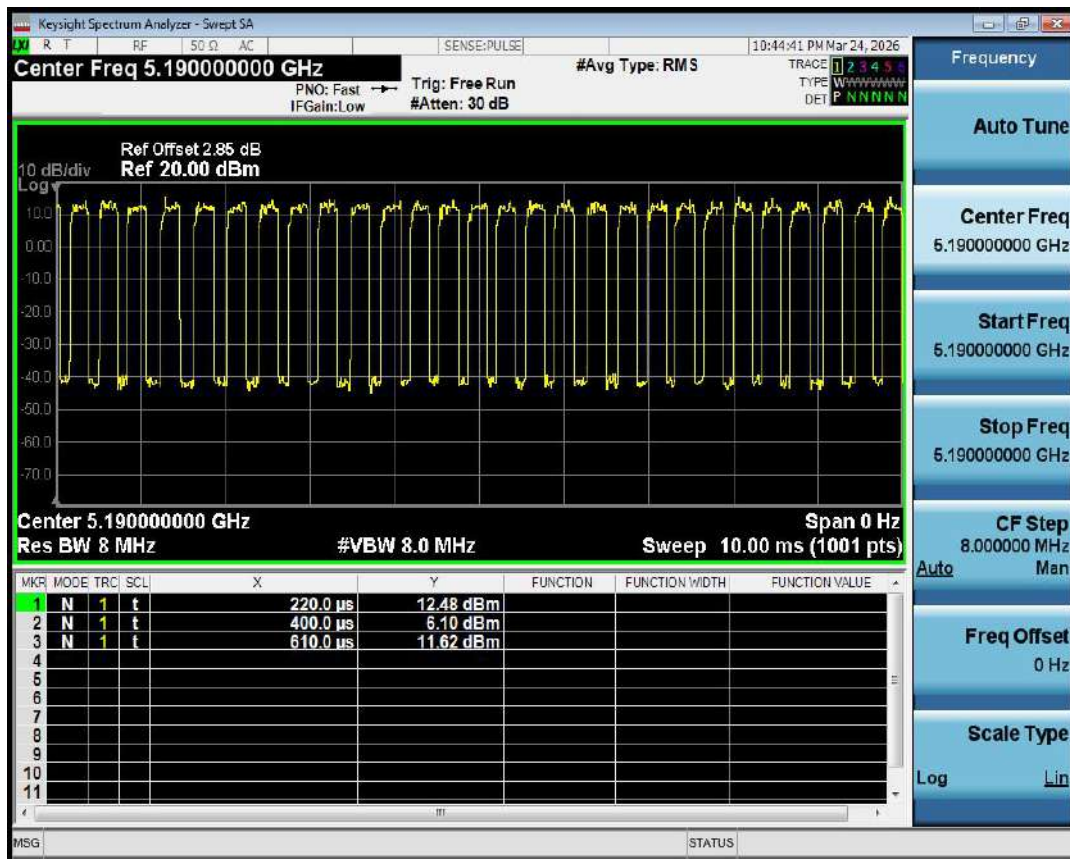
Duty Cycle NVNT n20 5180MHz Ant1



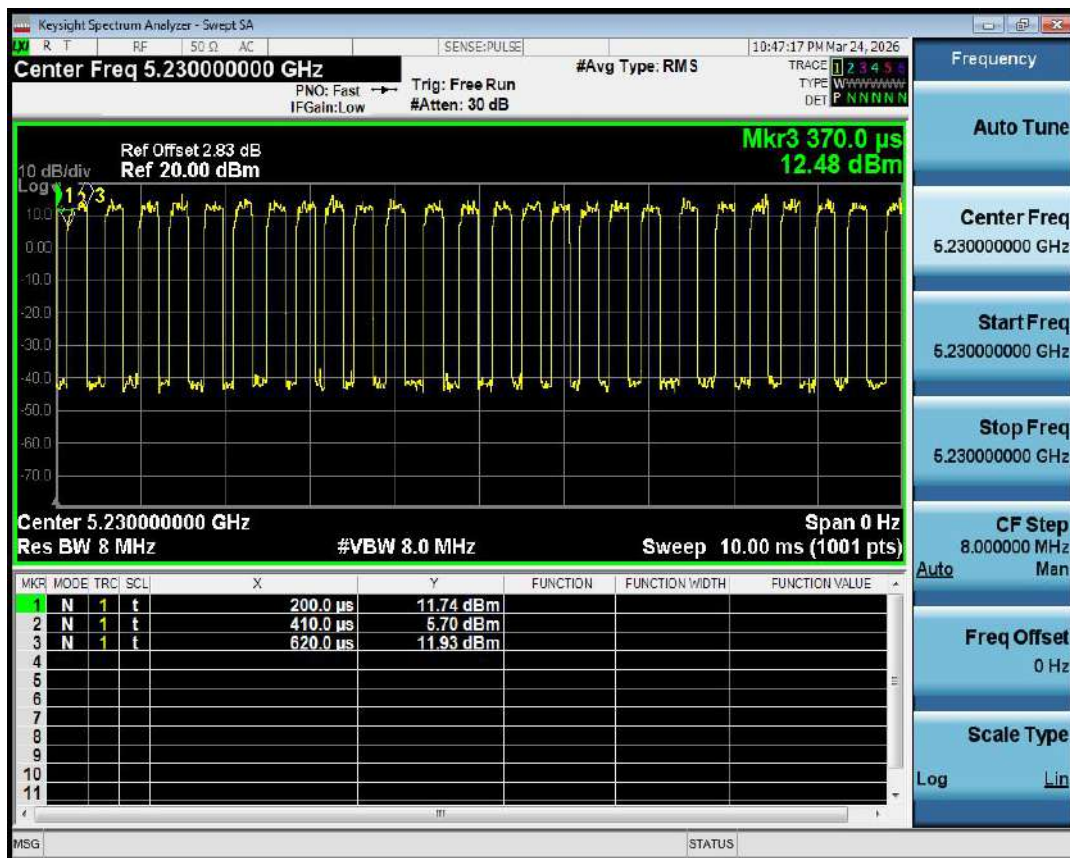
Duty Cycle NVNT n20 5200MHz Ant1



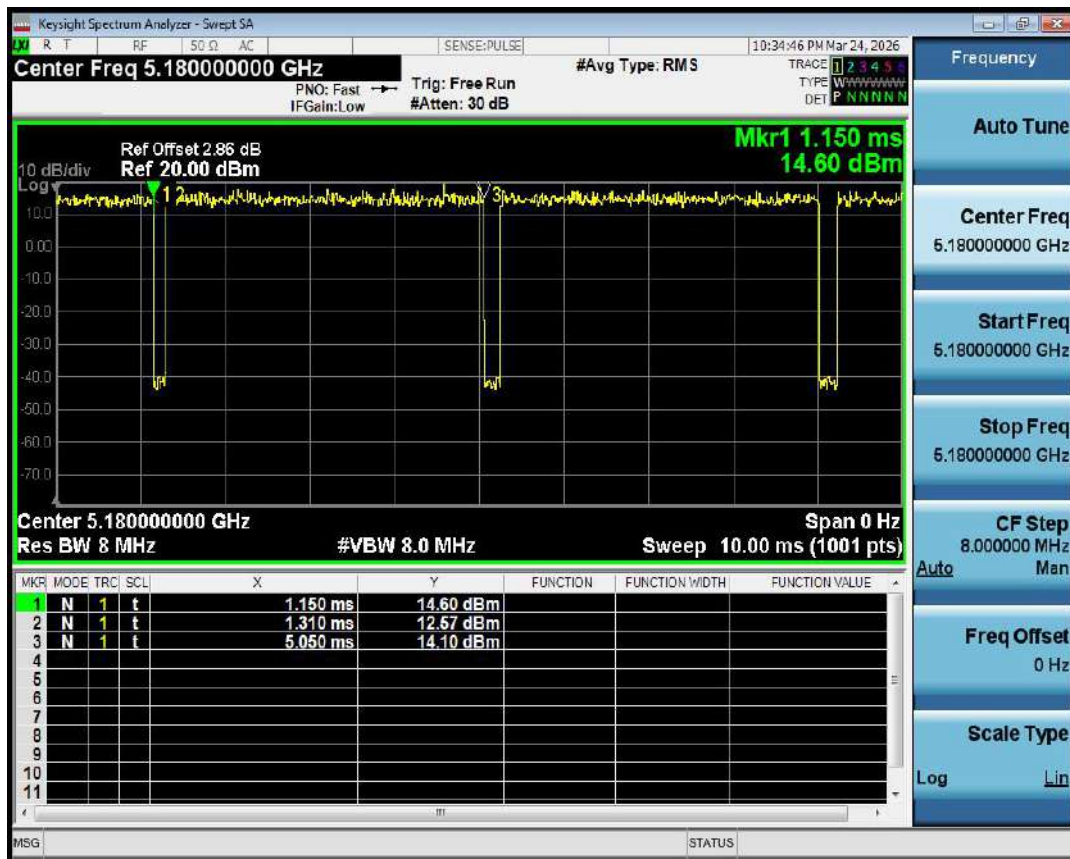
Duty Cycle NVNT n20 5240MHz Ant1



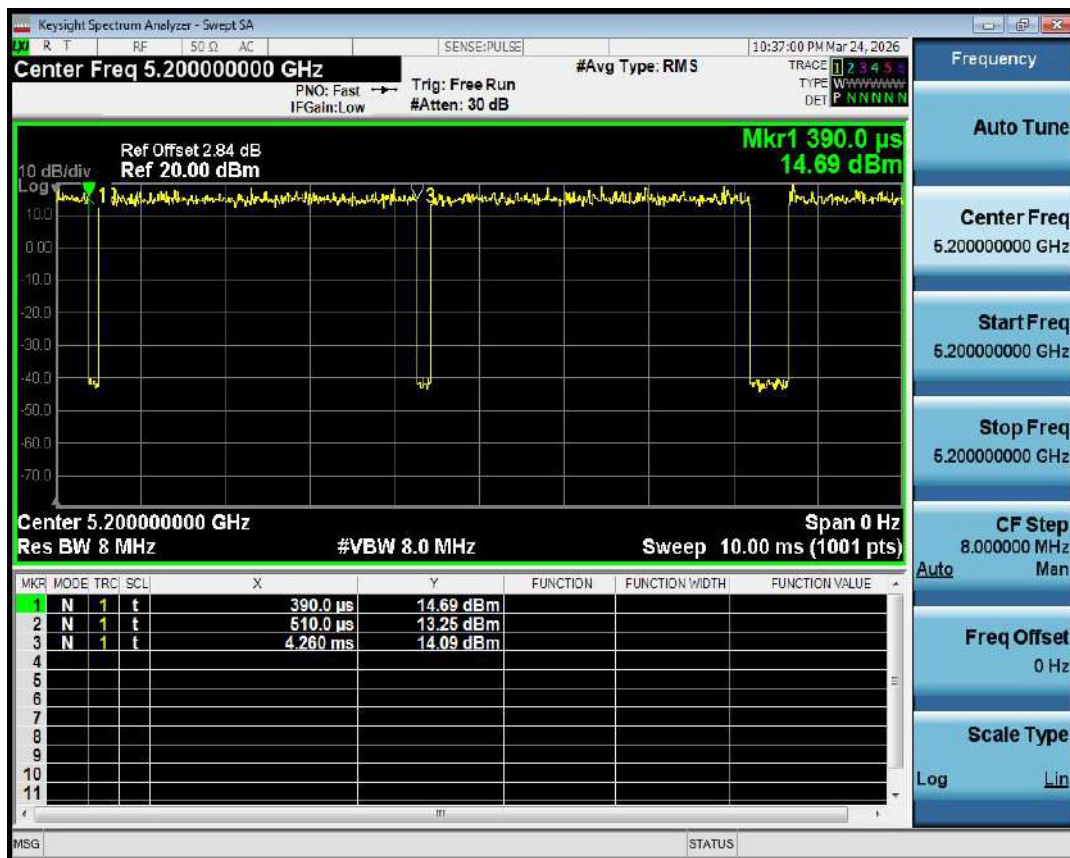
Duty Cycle NVNT n40 5190MHz Ant1



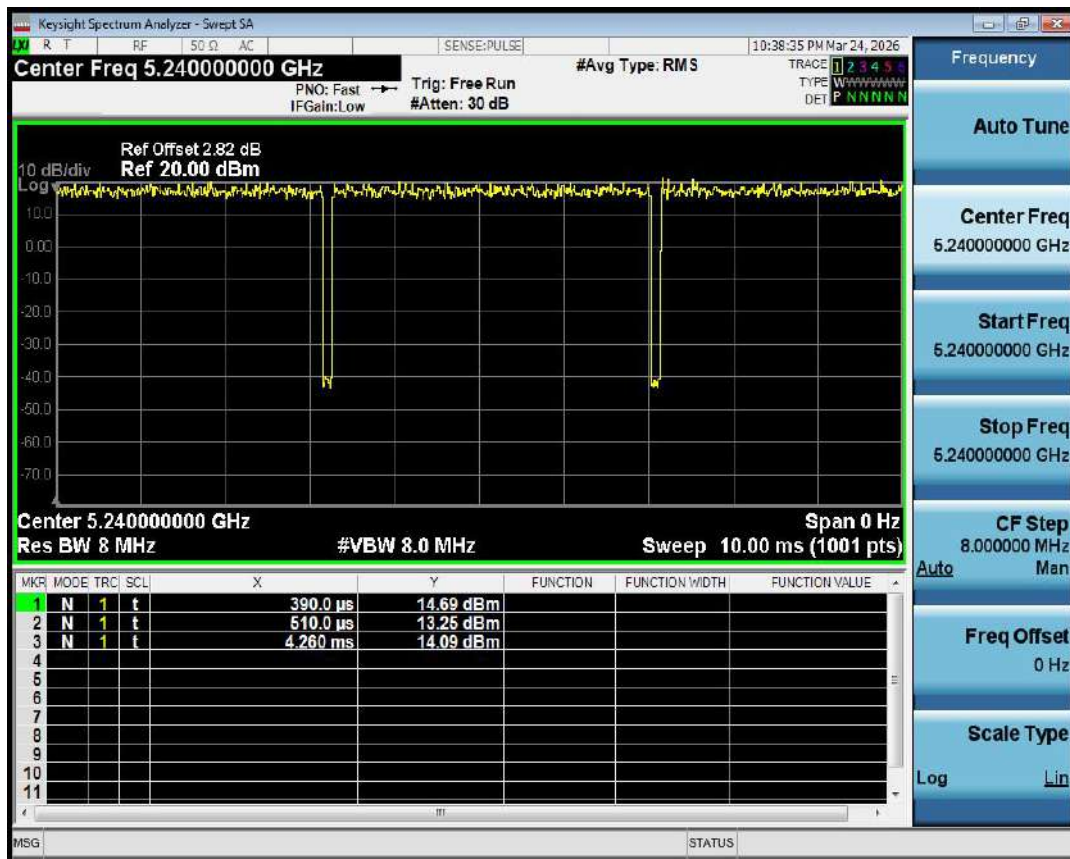
Duty Cycle NVNT n40 5230MHz Ant1



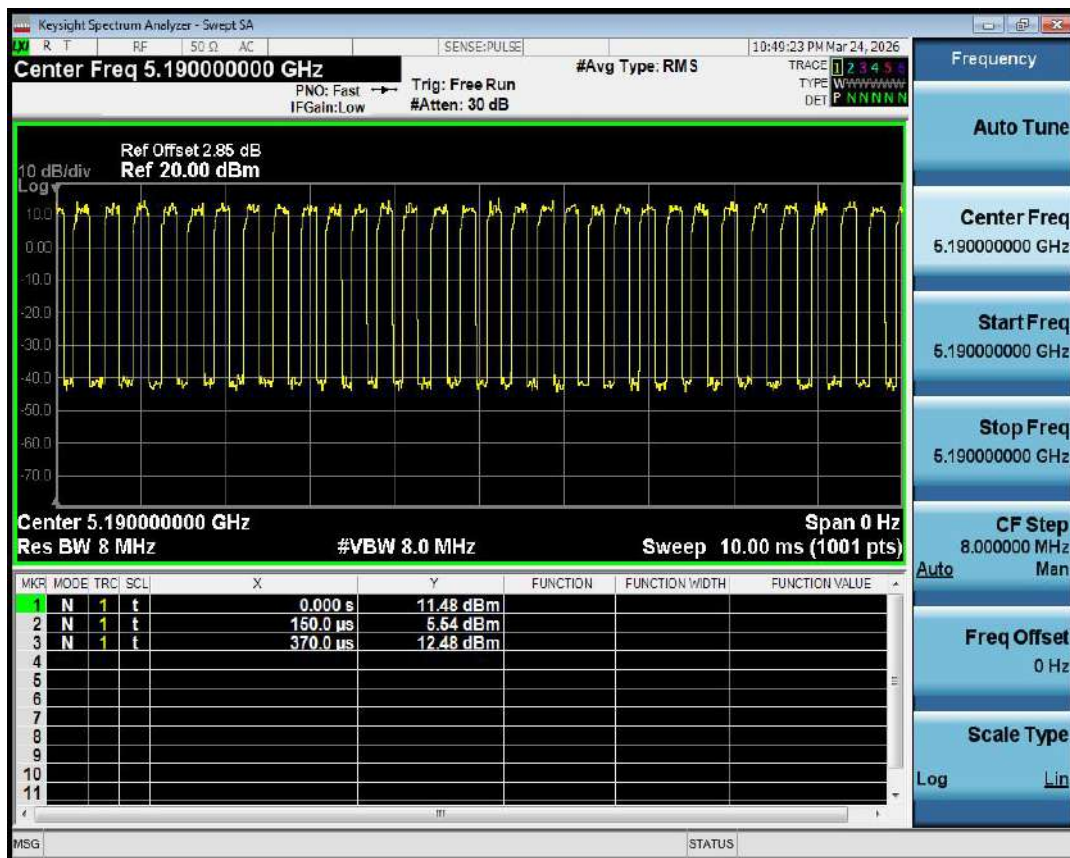
Duty Cycle NVNT ac20 5180MHz Ant1



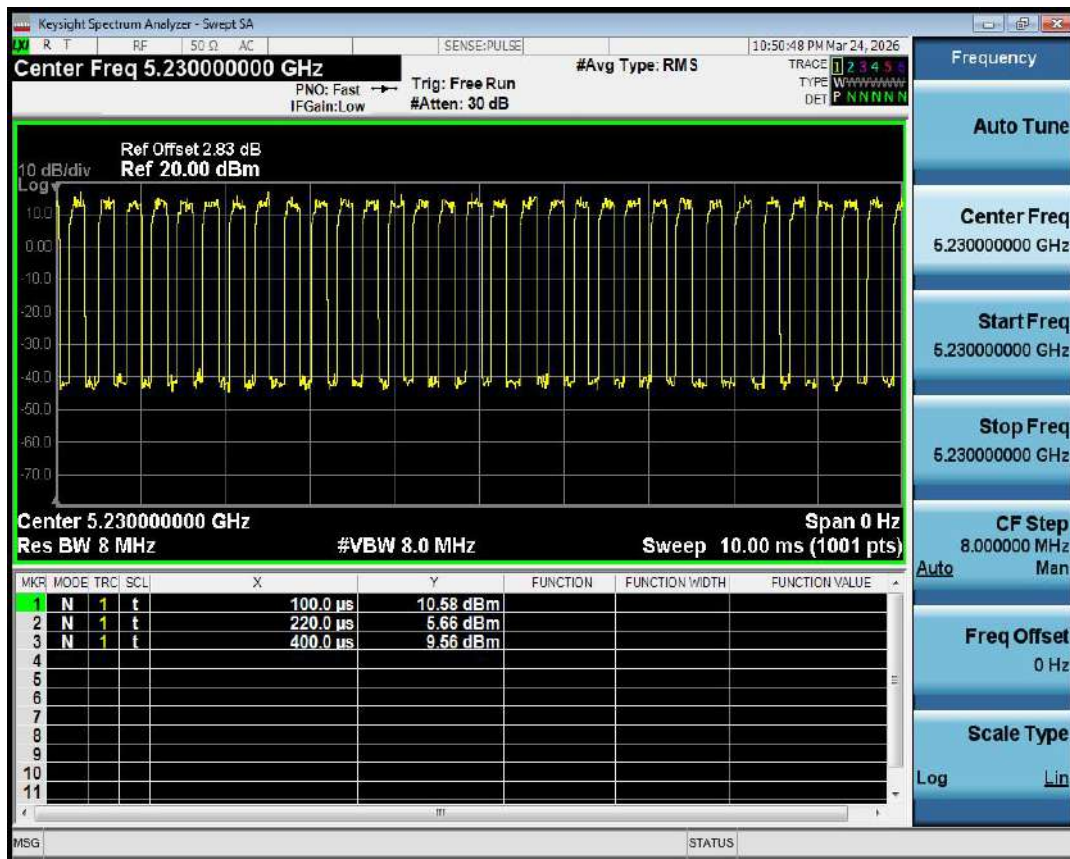
Duty Cycle NVNT ac20 5200MHz Ant1



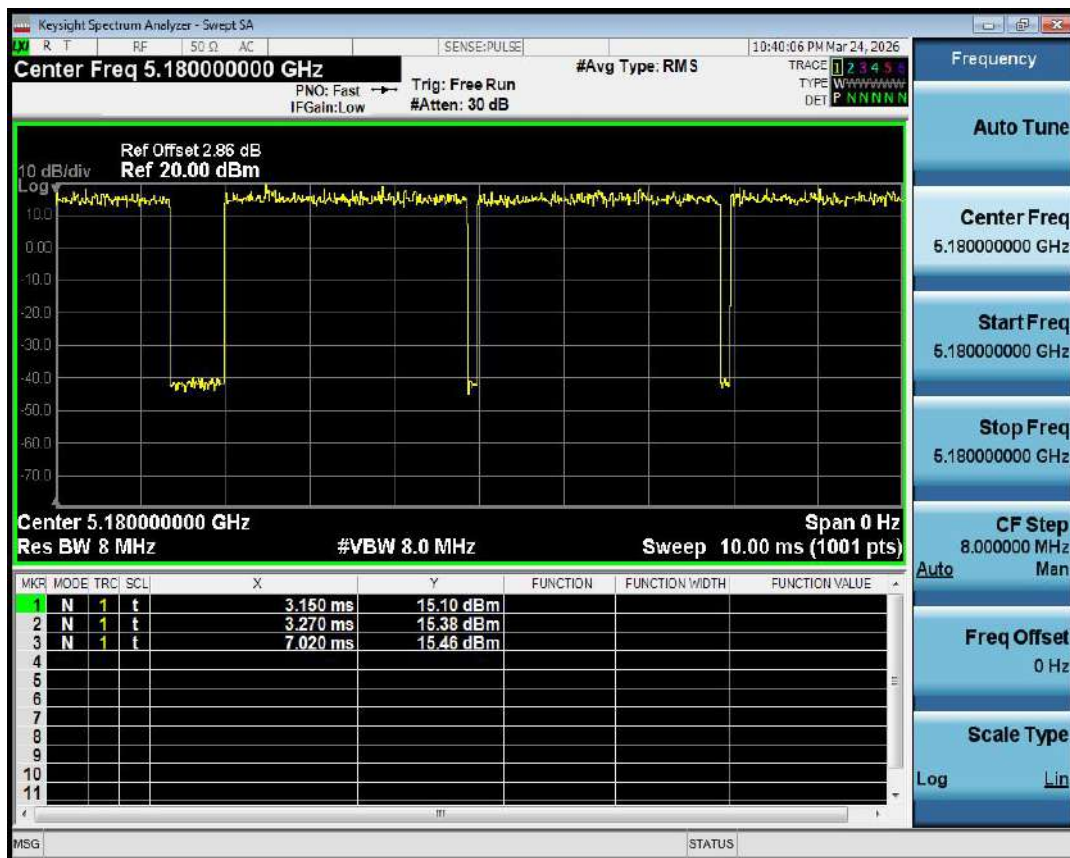
Duty Cycle NVNT ac20 5240MHz Ant1



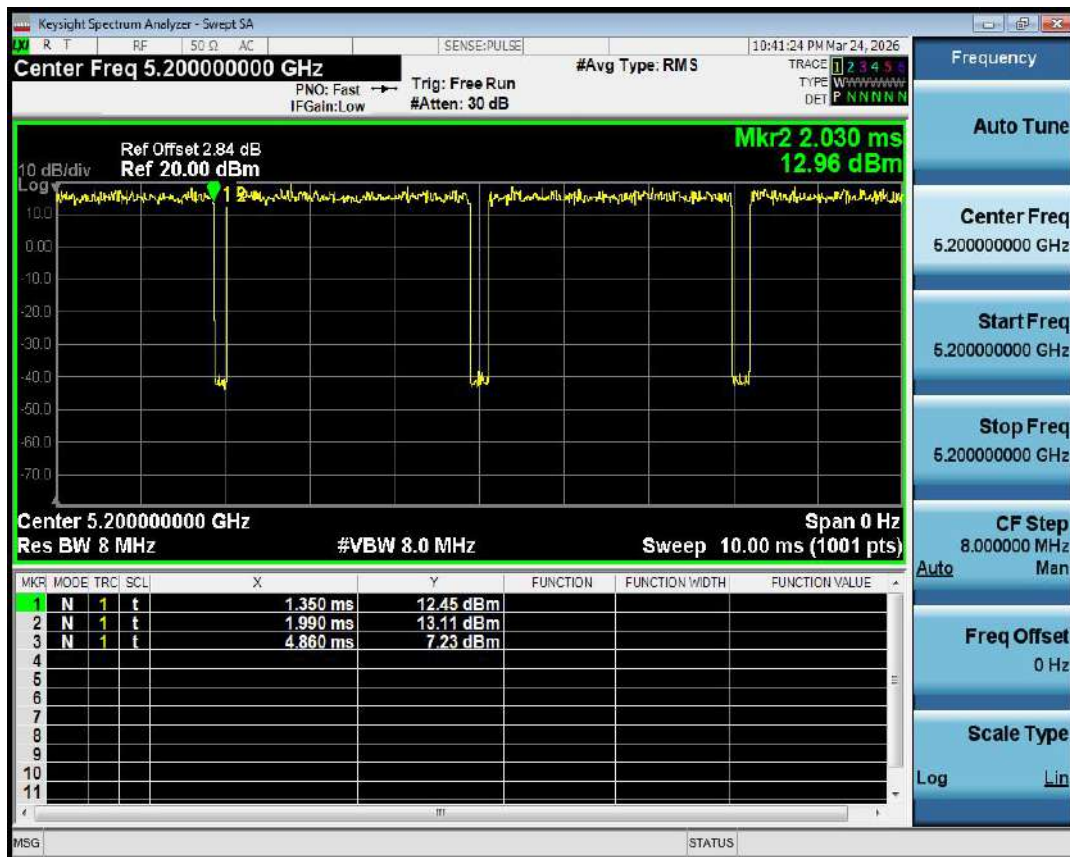
Duty Cycle NVNT ac40 5190MHz Ant1



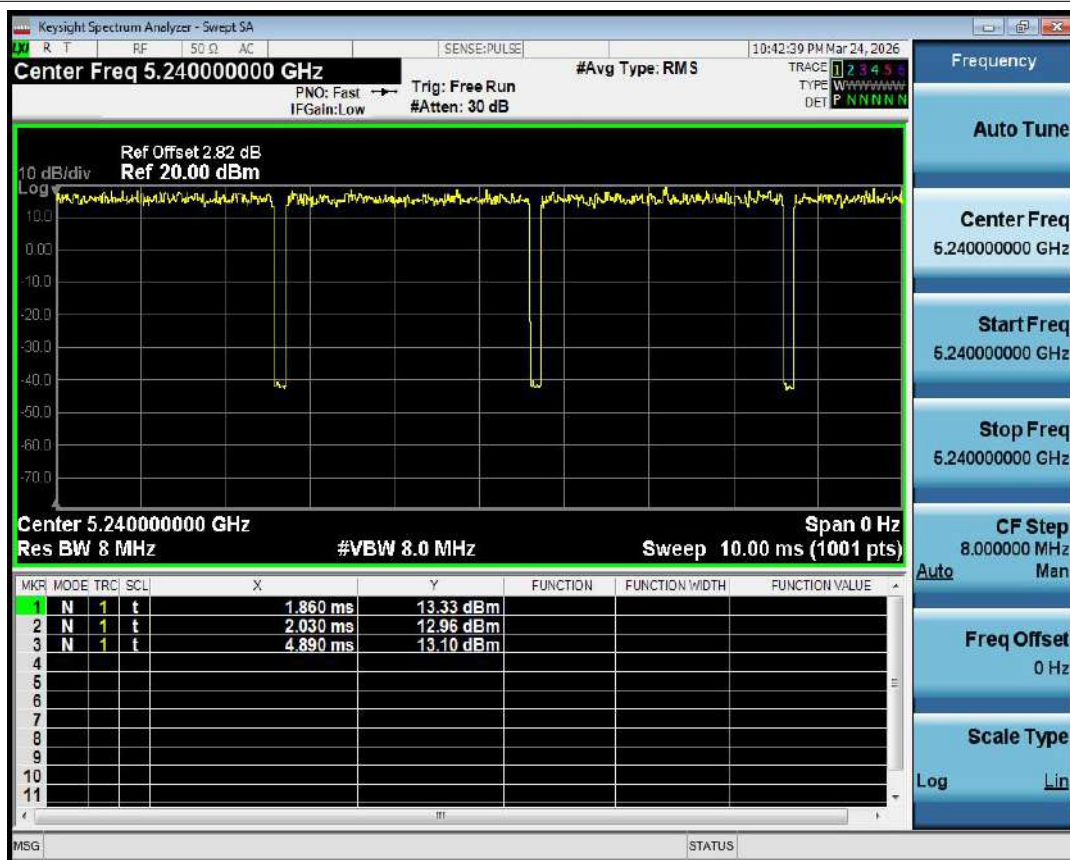
Duty Cycle NVNT ac40 5230MHz Ant1



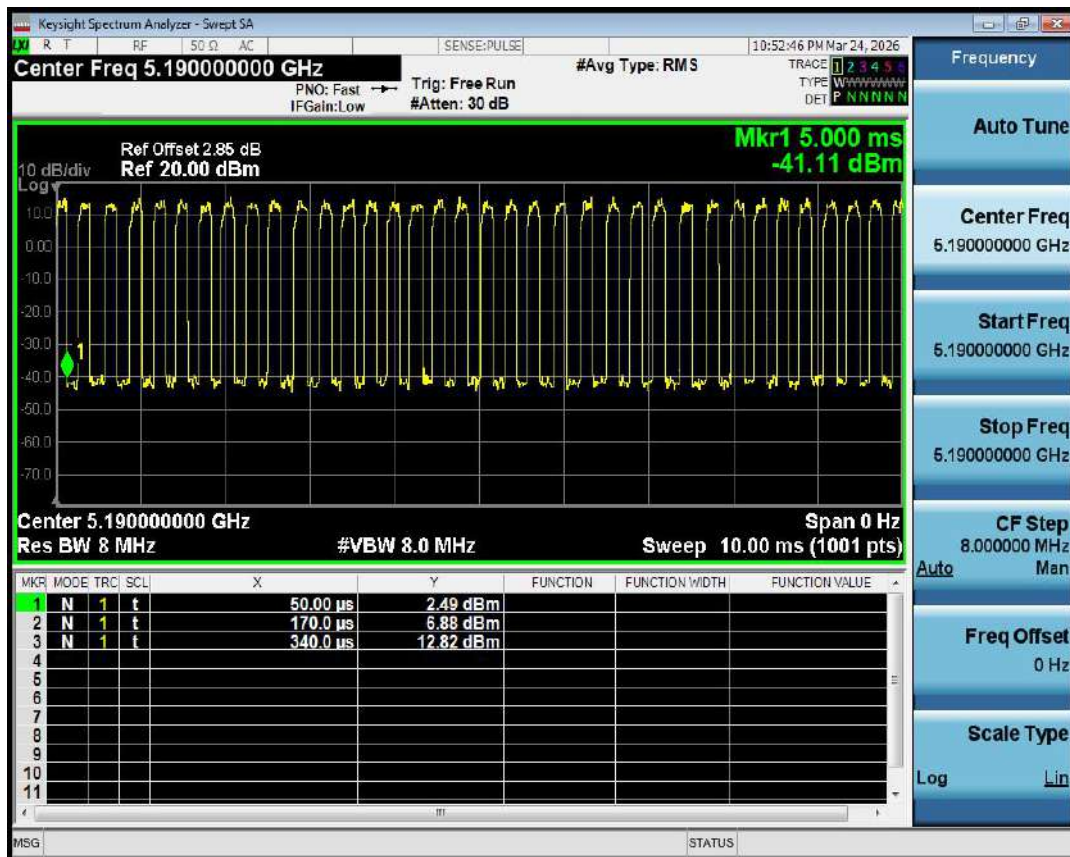
Duty Cycle NVNT ax20 5180MHz Ant1



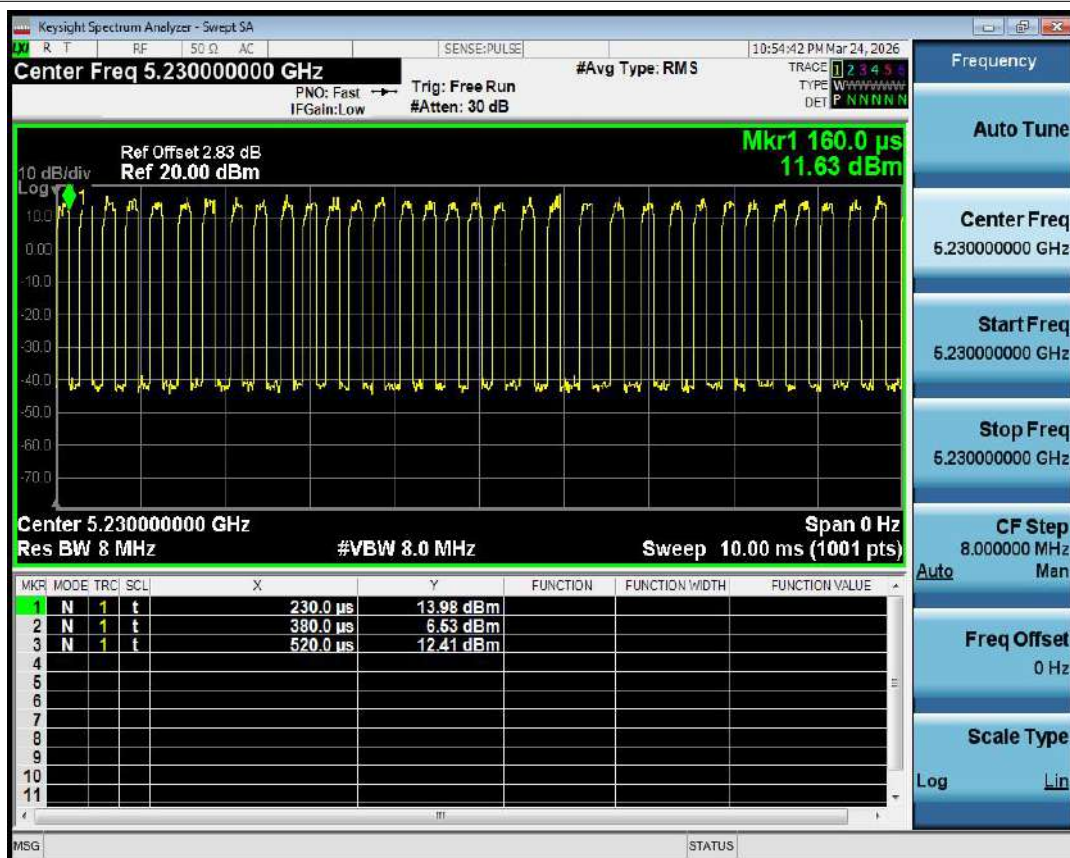
Duty Cycle NVNT ax20 5200MHz Ant1



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	11.81	0.99	12.8	0.01905	24	Pass
NVNT	a	5200	Ant1	11.97	1.6	13.57	0.02275	24	Pass
NVNT	a	5240	Ant1	12.26	1.34	13.6	0.02291	24	Pass
NVNT	n20	5180	Ant1	10.32	0.24	10.56	0.01138	24	Pass
NVNT	n20	5200	Ant1	10.38	0.2	10.58	0.01143	24	Pass
NVNT	n20	5240	Ant1	10.6	0.19	10.79	0.01199	24	Pass
NVNT	n40	5190	Ant1	9.17	2.09	11.26	0.01337	24	Pass
NVNT	n40	5230	Ant1	9.12	2.26	11.38	0.01374	24	Pass
NVNT	ac20	5180	Ant1	10.22	0.18	10.4	0.01096	24	Pass
NVNT	ac20	5200	Ant1	10.4	0.14	10.54	0.01132	24	Pass
NVNT	ac20	5240	Ant1	12.53	0.14	12.67	0.01849	24	Pass
NVNT	ac40	5190	Ant1	9.03	2.22	11.25	0.01334	24	Pass
NVNT	ac40	5230	Ant1	9.57	2.32	11.89	0.01545	24	Pass
NVNT	ax20	5180	Ant1	10.59	0.87	11.46	0.014	24	Pass
NVNT	ax20	5200	Ant1	10.65	0.25	10.9	0.0123	24	Pass
NVNT	ax20	5240	Ant1	10.88	0.24	11.12	0.01294	24	Pass
NVNT	ax40	5190	Ant1	8.6	2.85	11.45	0.01396	24	Pass
NVNT	ax40	5230	Ant1	8.87	2.85	11.72	0.01486	24	Pass



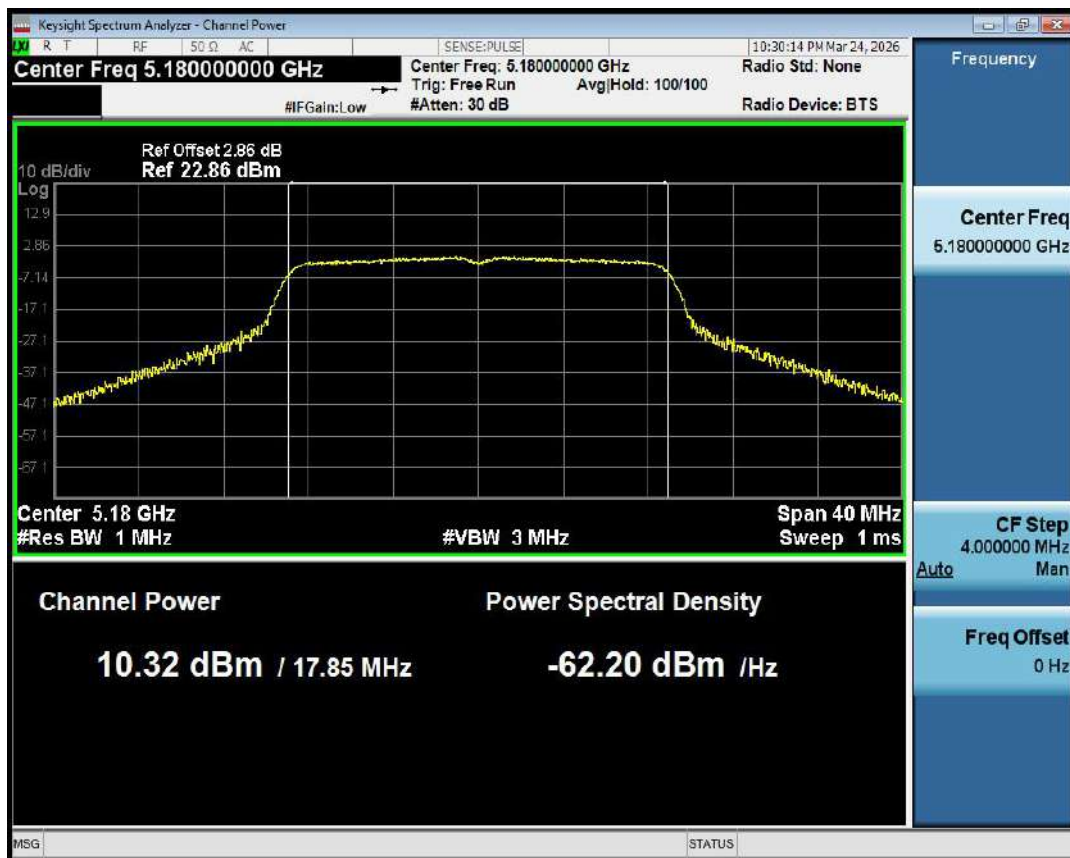
Power NVNT a 5180MHz Ant1



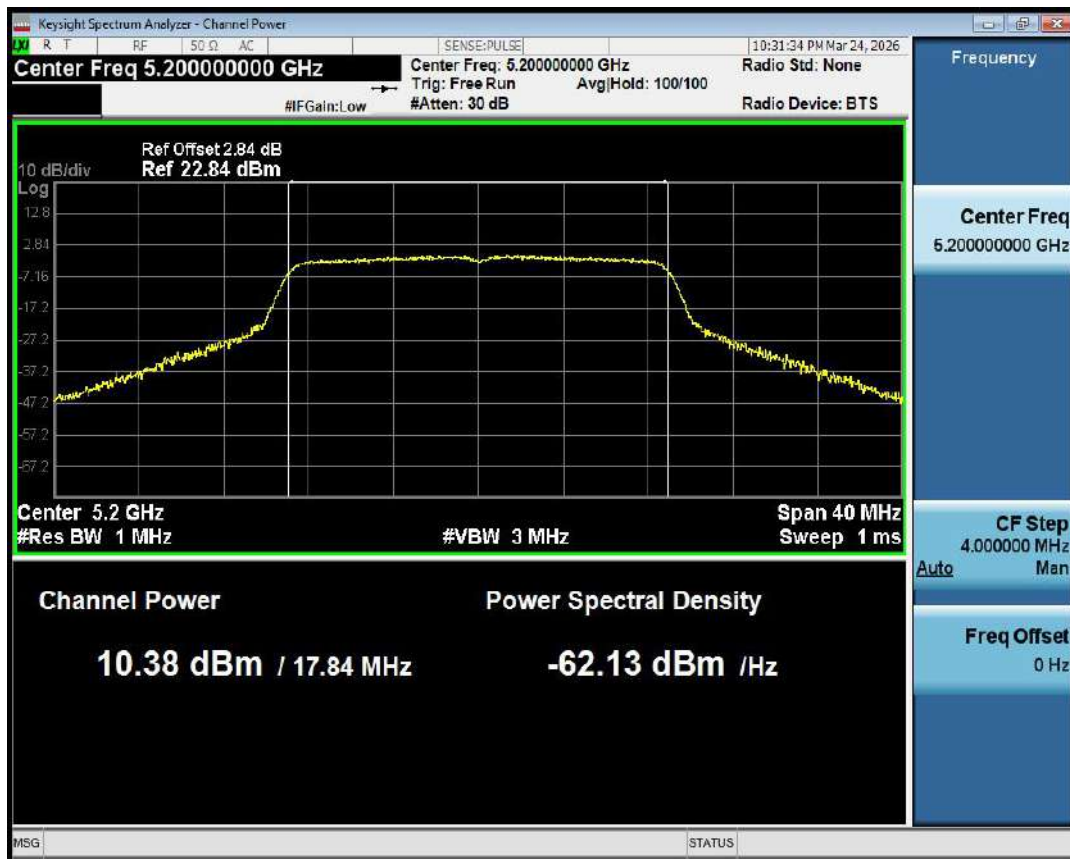
Power NVNT a 5200MHz Ant1



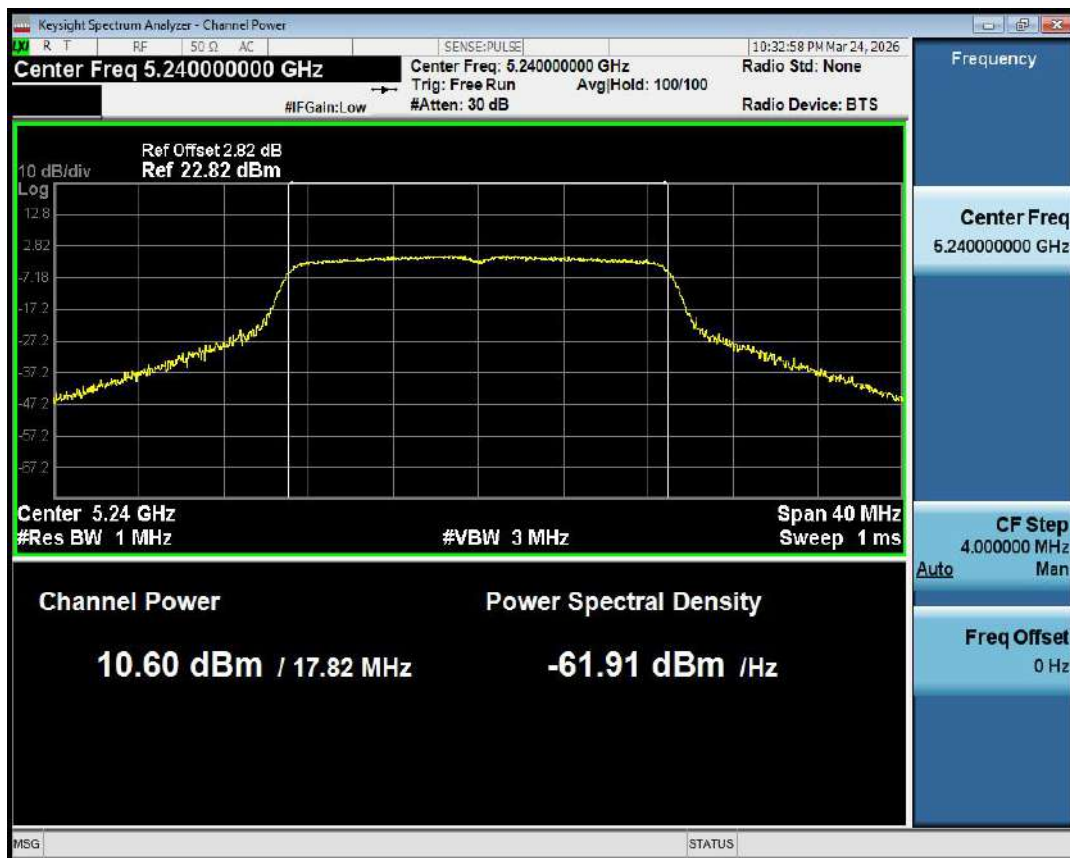
Power NVNT a 5240MHz Ant1



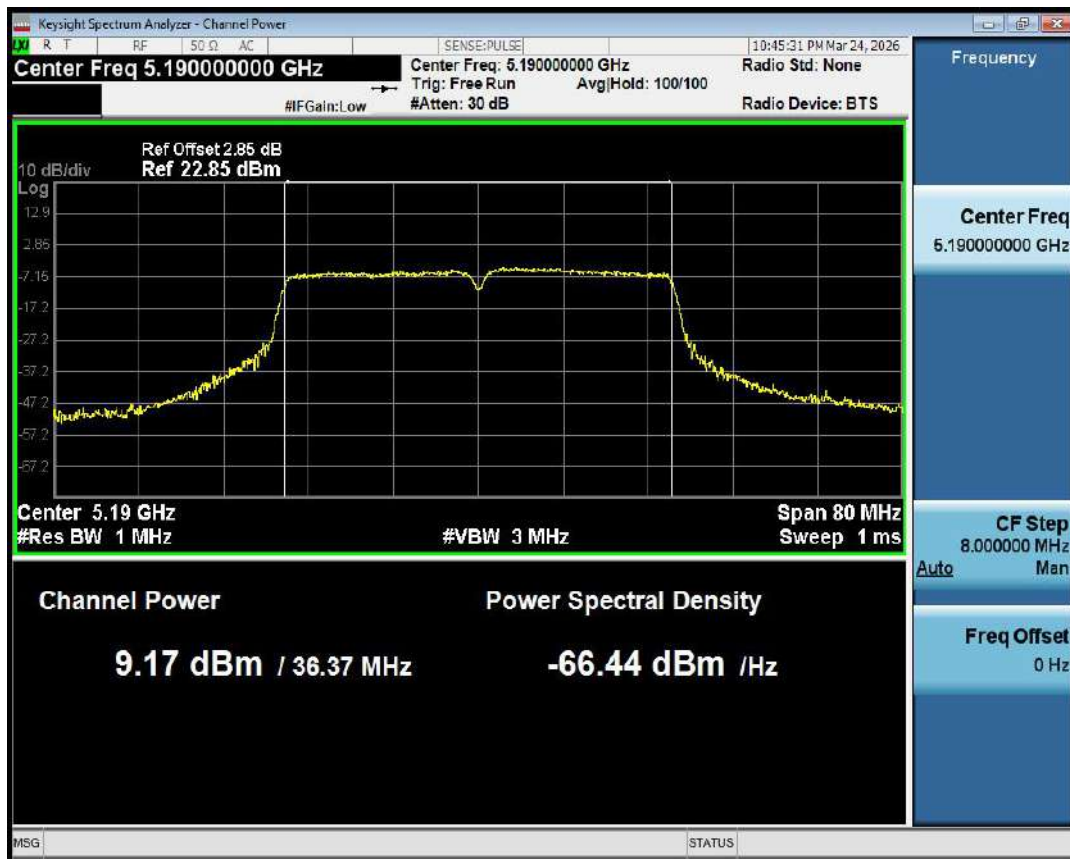
Power NVNT n20 5180MHz Ant1



Power NVNT n20 5200MHz Ant1



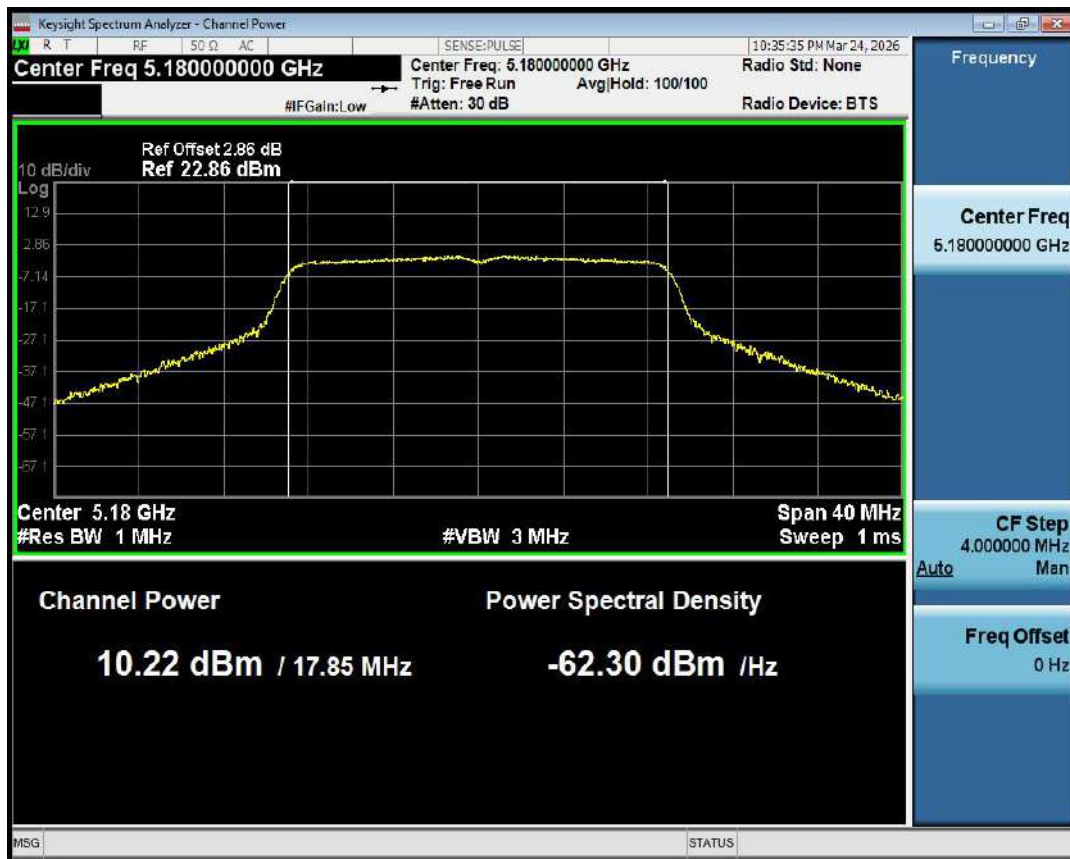
Power NVNT n20 5240MHz Ant1



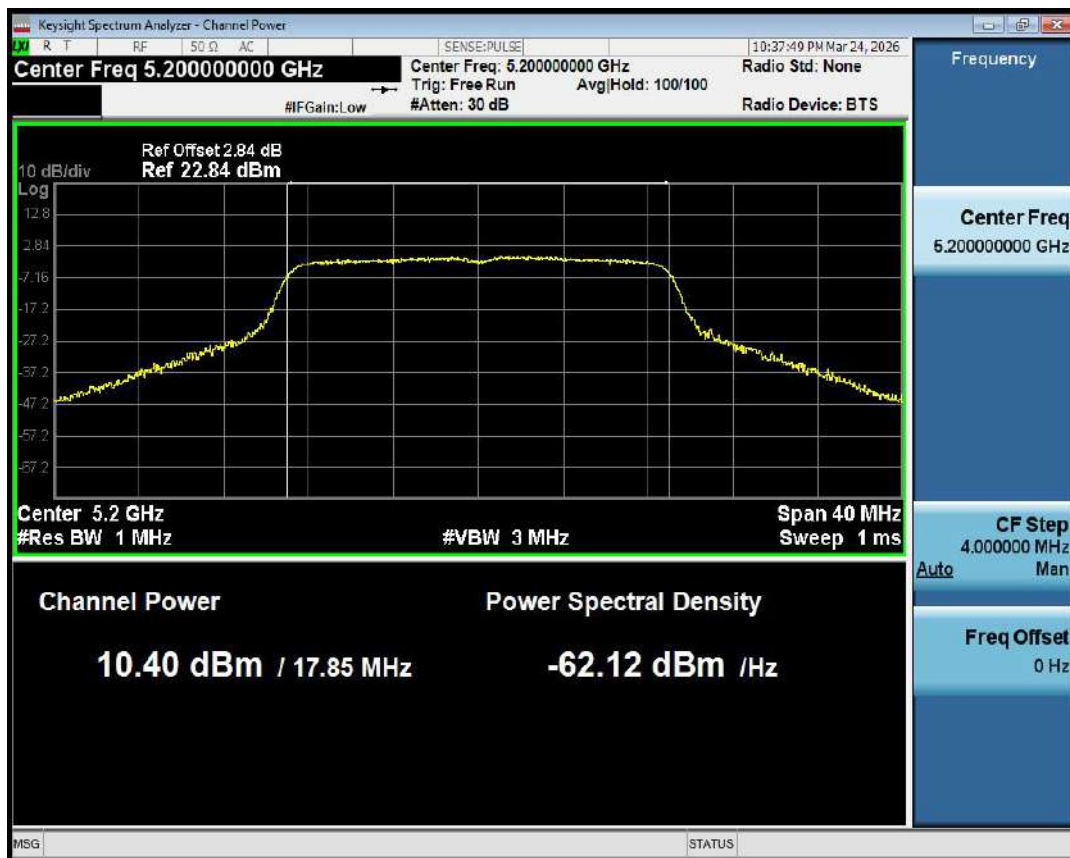
Power NVNT n40 5190MHz Ant1



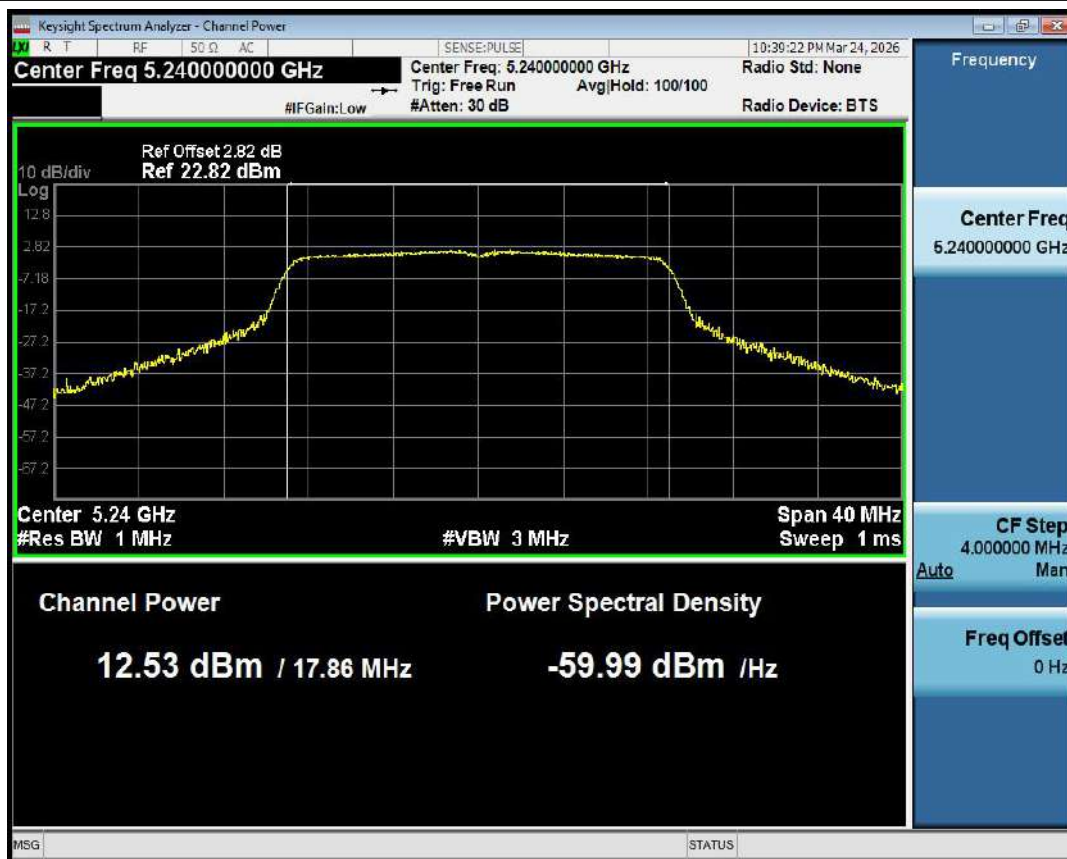
Power NVNT n40 5230MHz Ant1



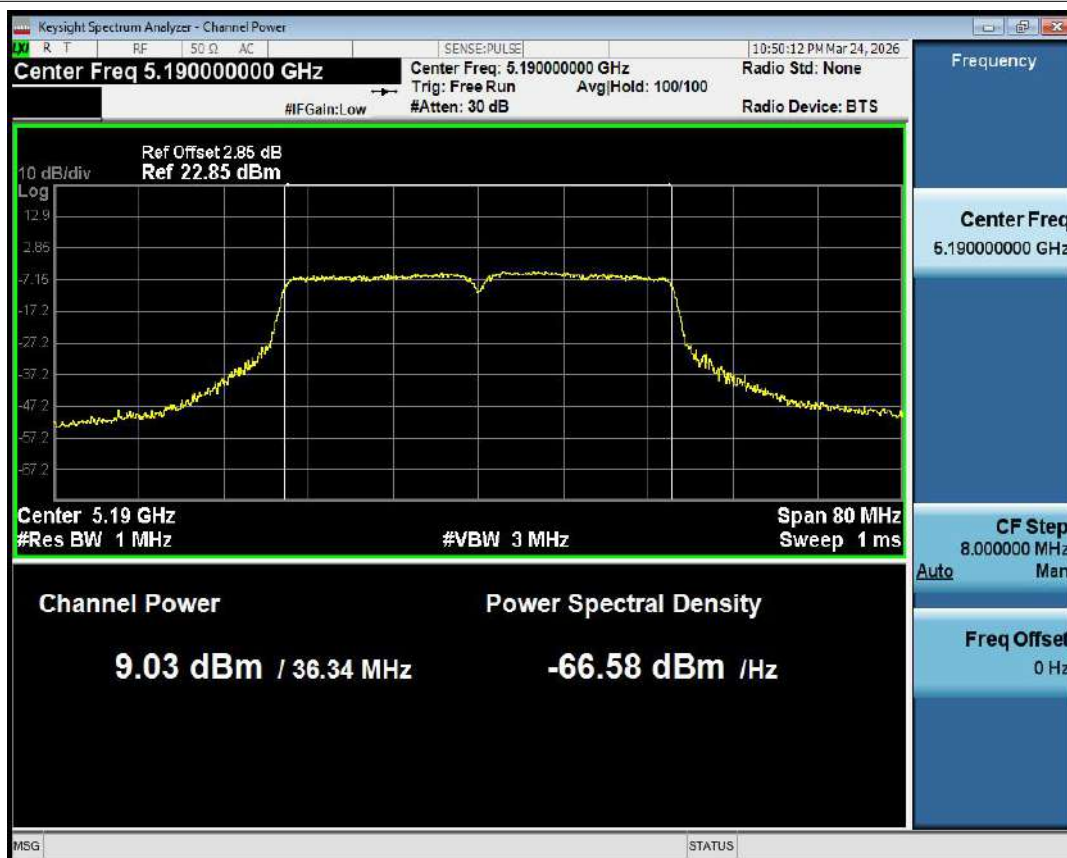
Power NVNT ac20 5180MHz Ant1



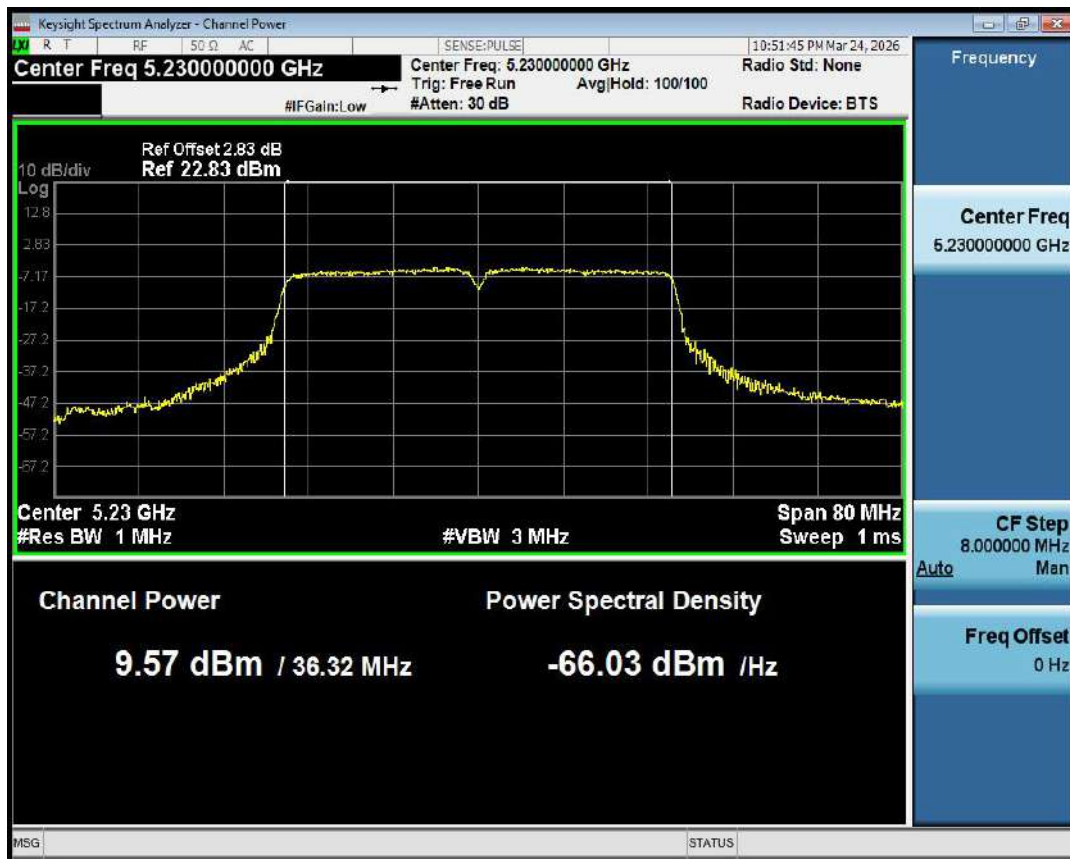
Power NVNT ac20 5200MHz Ant1



Power NVNT ac20 5240MHz Ant1



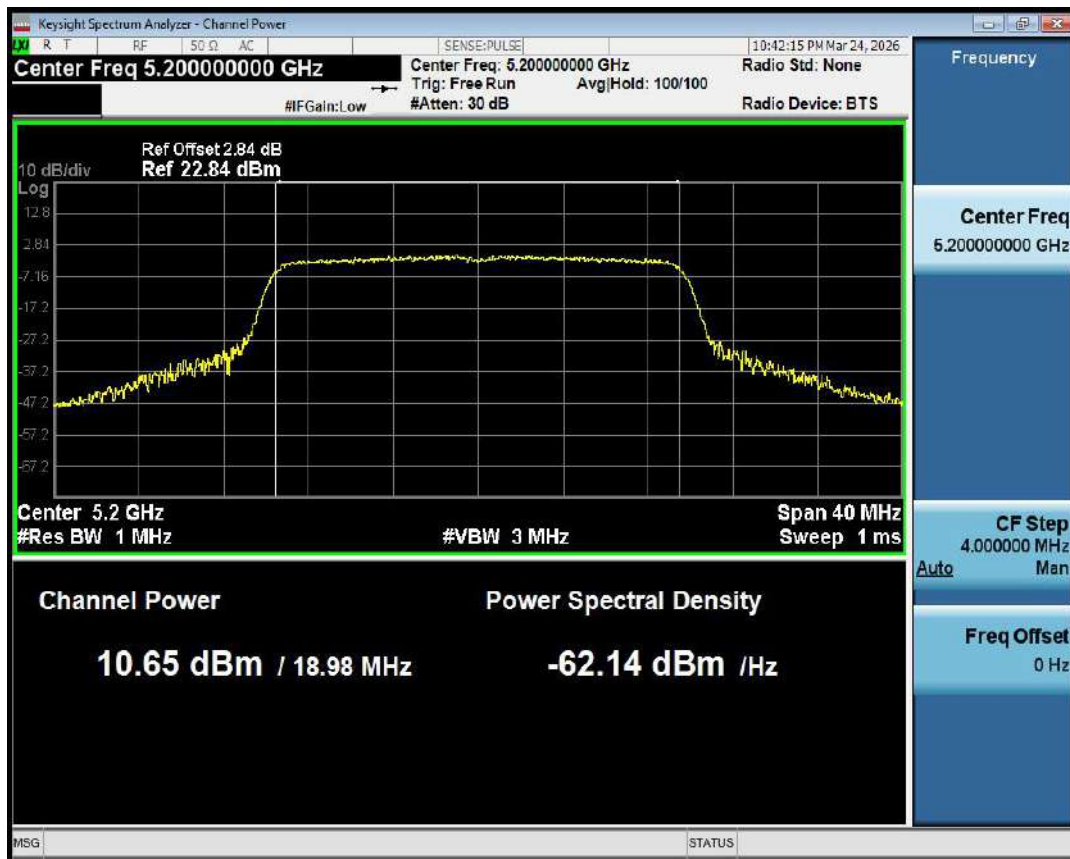
Power NVNT ac40 5190MHz Ant1



Power NVNT ac40 5230MHz Ant1



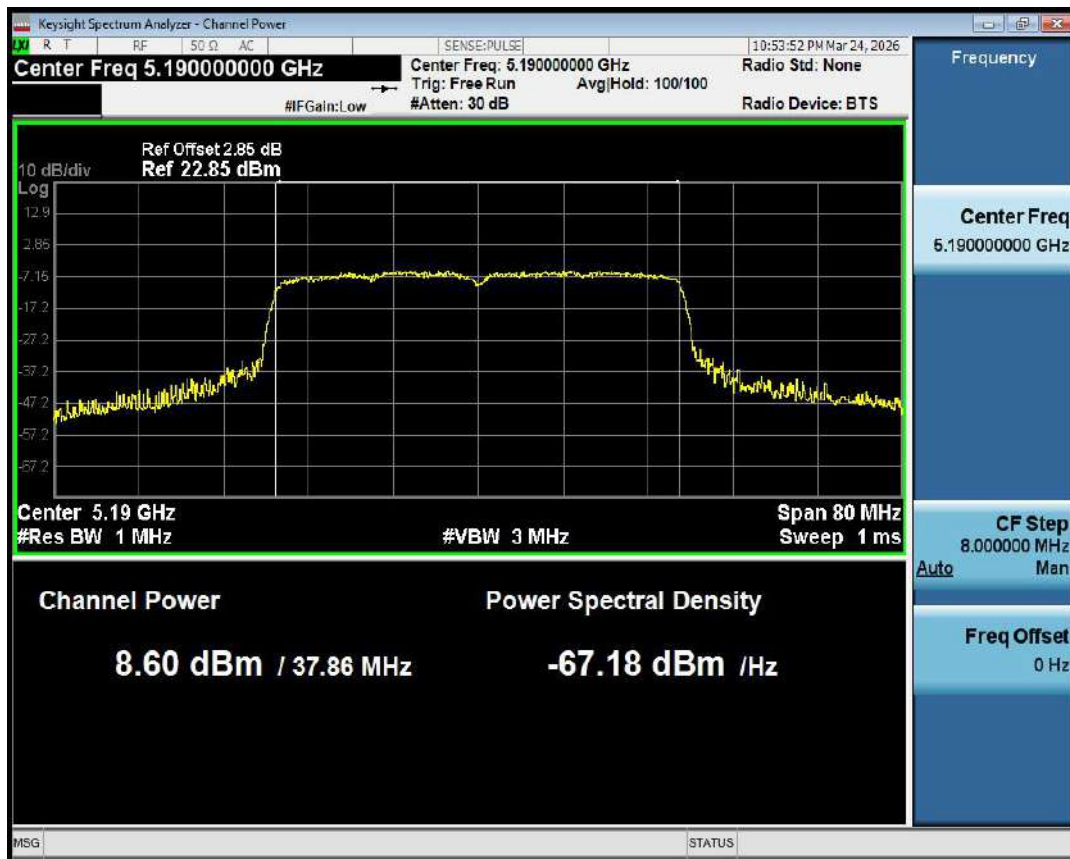
Power NVNT ax20 5180MHz Ant1



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	25.11
NVNT	a	5240	Ant1	24.19
NVNT	n20	5180	Ant1	27.59
NVNT	n20	5200	Ant1	28.91
NVNT	n20	5240	Ant1	27.93
NVNT	n40	5190	Ant1	45.8
NVNT	n40	5230	Ant1	47.06
NVNT	ac20	5180	Ant1	27.75
NVNT	ac20	5200	Ant1	27.17
NVNT	ac20	5240	Ant1	27.34
NVNT	ac40	5190	Ant1	45.76
NVNT	ac40	5230	Ant1	45.5
NVNT	ax20	5180	Ant1	27.42
NVNT	ax20	5200	Ant1	26.31
NVNT	ax20	5240	Ant1	26.08
NVNT	ax40	5190	Ant1	47.71
NVNT	ax40	5230	Ant1	45.84



-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

4. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.537
NVNT	a	5200	Ant1	16.553
NVNT	a	5240	Ant1	16.54
NVNT	n20	5180	Ant1	17.847
NVNT	n20	5200	Ant1	17.835
NVNT	n20	5240	Ant1	17.821
NVNT	n40	5190	Ant1	36.37
NVNT	n40	5230	Ant1	36.334
NVNT	ac20	5180	Ant1	17.845
NVNT	ac20	5200	Ant1	17.852
NVNT	ac20	5240	Ant1	17.855
NVNT	ac40	5190	Ant1	36.344
NVNT	ac40	5230	Ant1	36.32
NVNT	ax20	5180	Ant1	19.022
NVNT	ax20	5200	Ant1	18.984
NVNT	ax20	5240	Ant1	18.99
NVNT	ax40	5190	Ant1	37.855
NVNT	ax40	5230	Ant1	37.812



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