

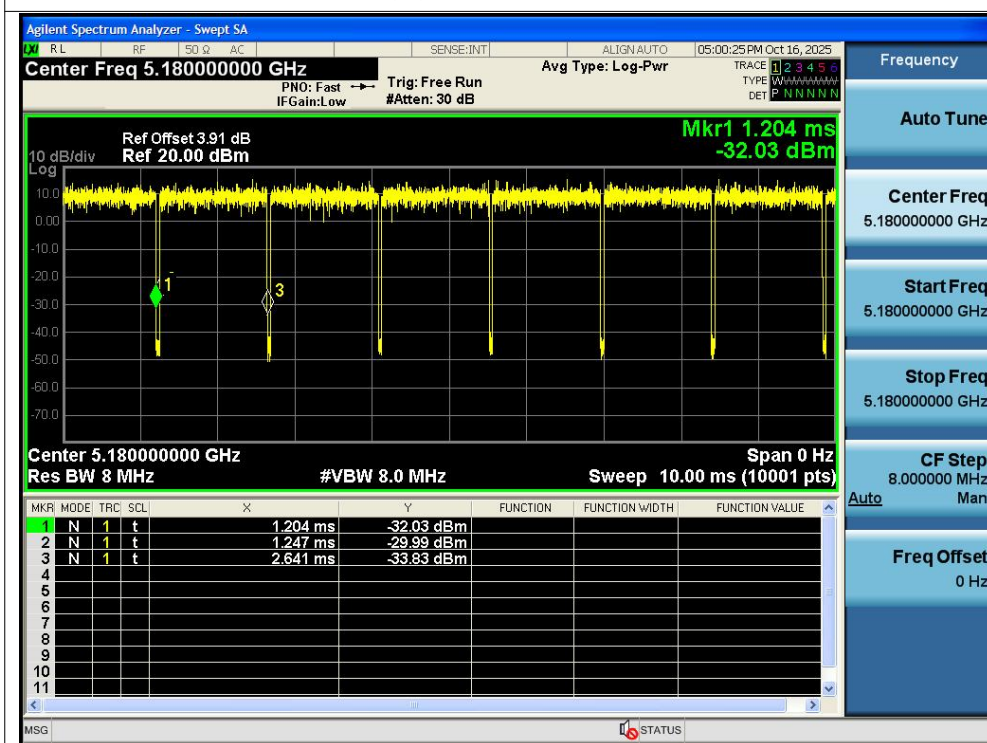
Appendix B 5.1G WIFI

Duty Cycle

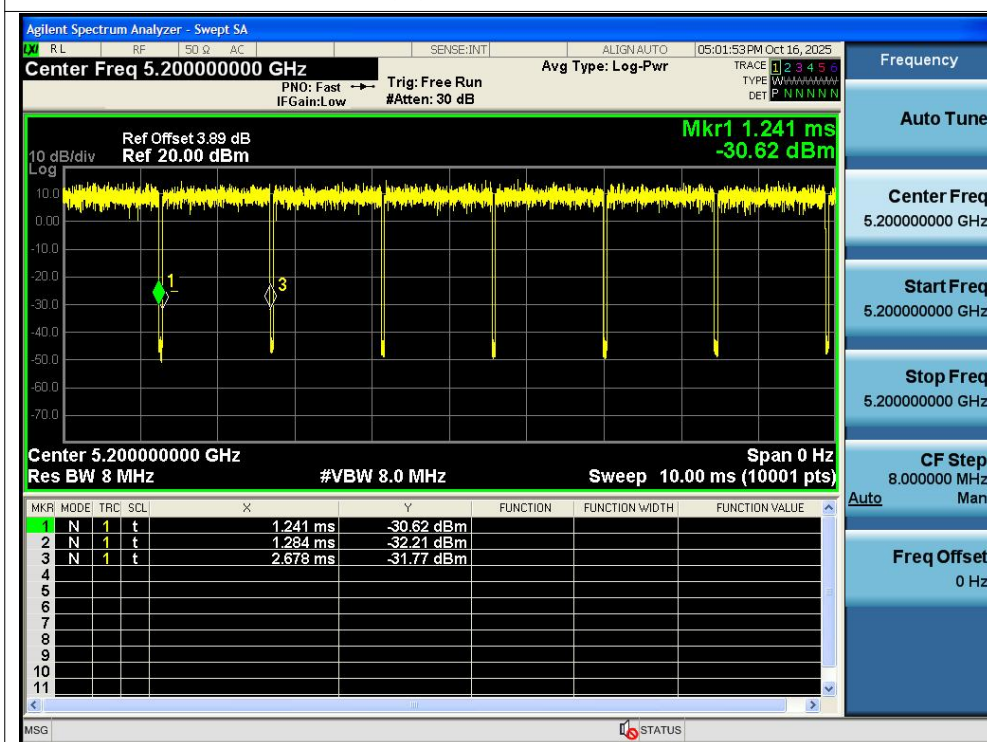
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	97.01	0.13	0.72
NVNT	a	5200	Ant1	97.01	0.13	0.72
NVNT	a	5240	Ant1	96.94	0.13	0.72
NVNT	n20	5180	Ant1	96.88	0.14	0.77
NVNT	n20	5200	Ant1	96.8	0.14	0.77
NVNT	n20	5240	Ant1	96.88	0.14	0.77
NVNT	n40	5190	Ant1	93.8	0.28	1.54
NVNT	n40	5230	Ant1	93.79	0.28	1.54
NVNT	ac20	5180	Ant1	96.83	0.14	0.76
NVNT	ac20	5200	Ant1	96.9	0.14	0.76
NVNT	ac20	5240	Ant1	96.76	0.14	0.76
NVNT	ac40	5190	Ant1	93.82	0.28	1.53
NVNT	ac40	5230	Ant1	93.82	0.28	1.53
NVNT	ac80	5210	Ant1	88.59	0.53	3.07

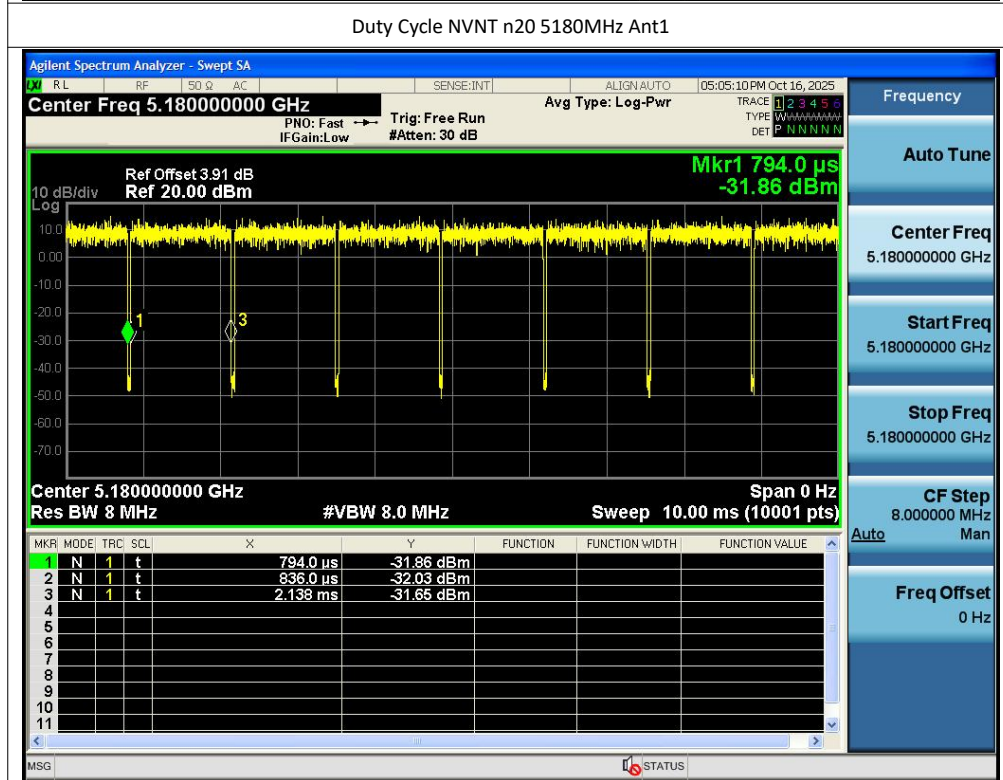
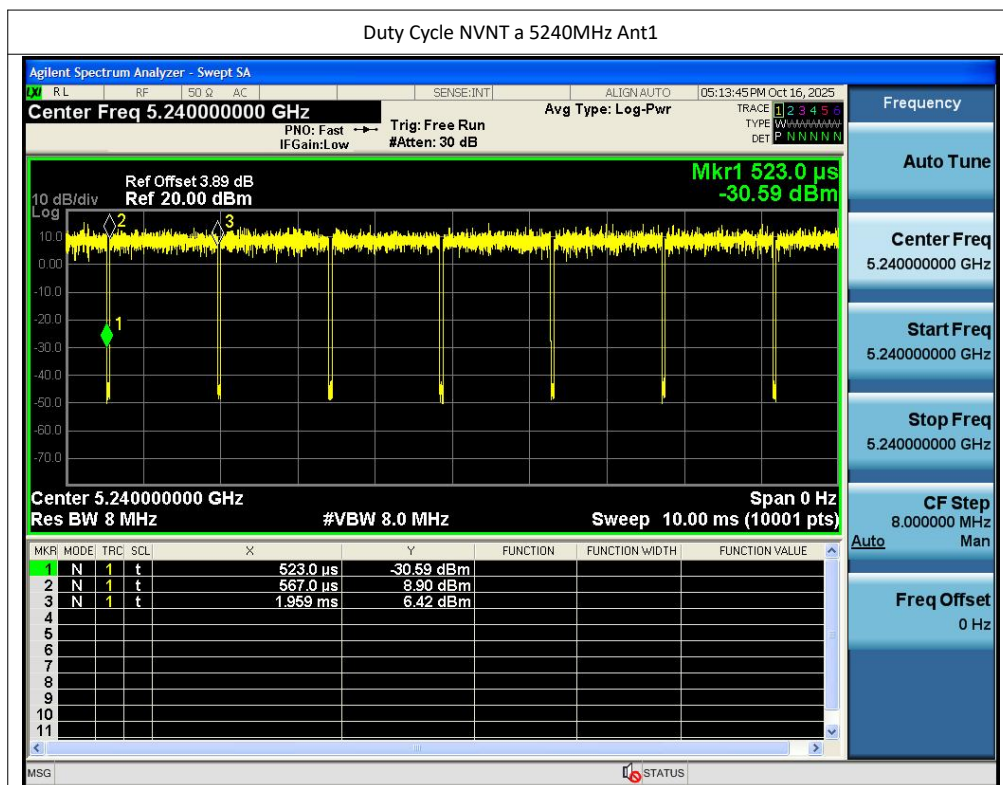
Test Graphs

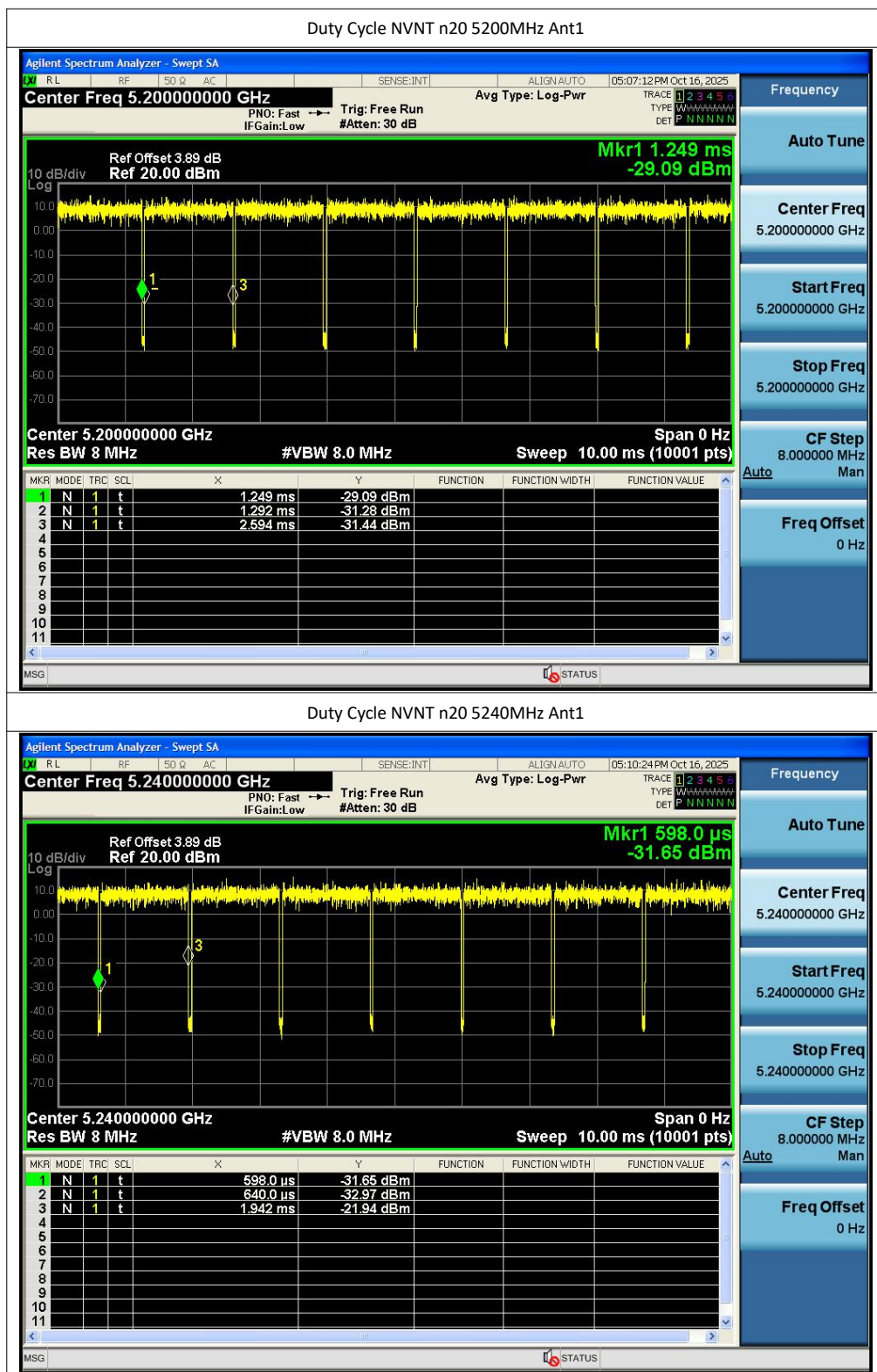
Duty Cycle NVNT a 5180MHz Ant1



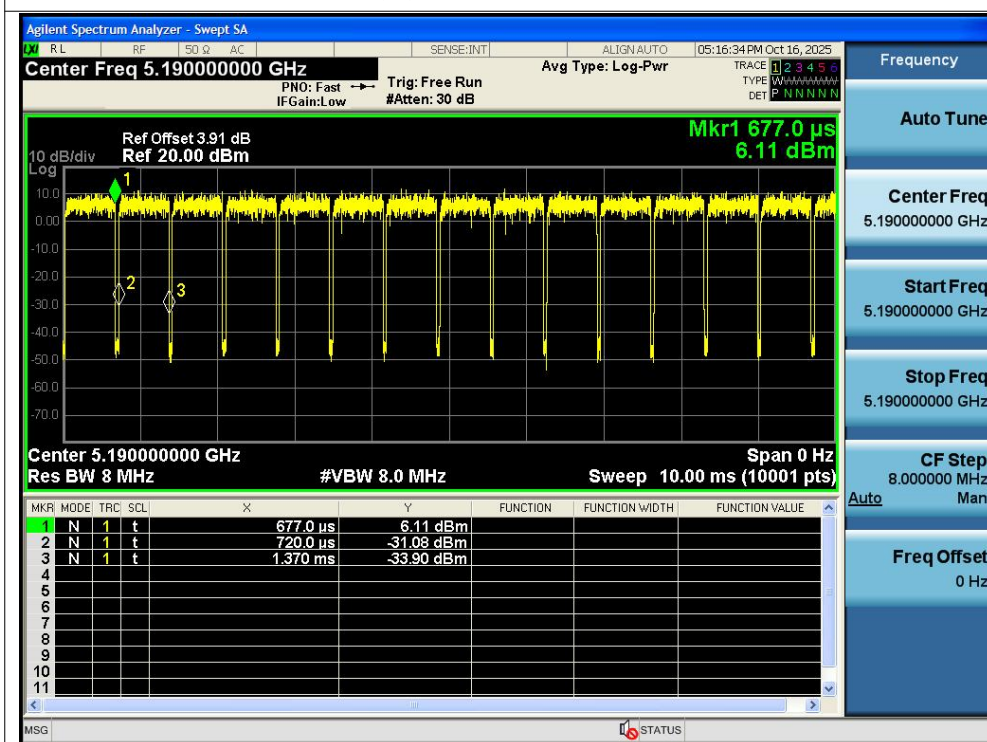
Duty Cycle NVNT a 5200MHz Ant1



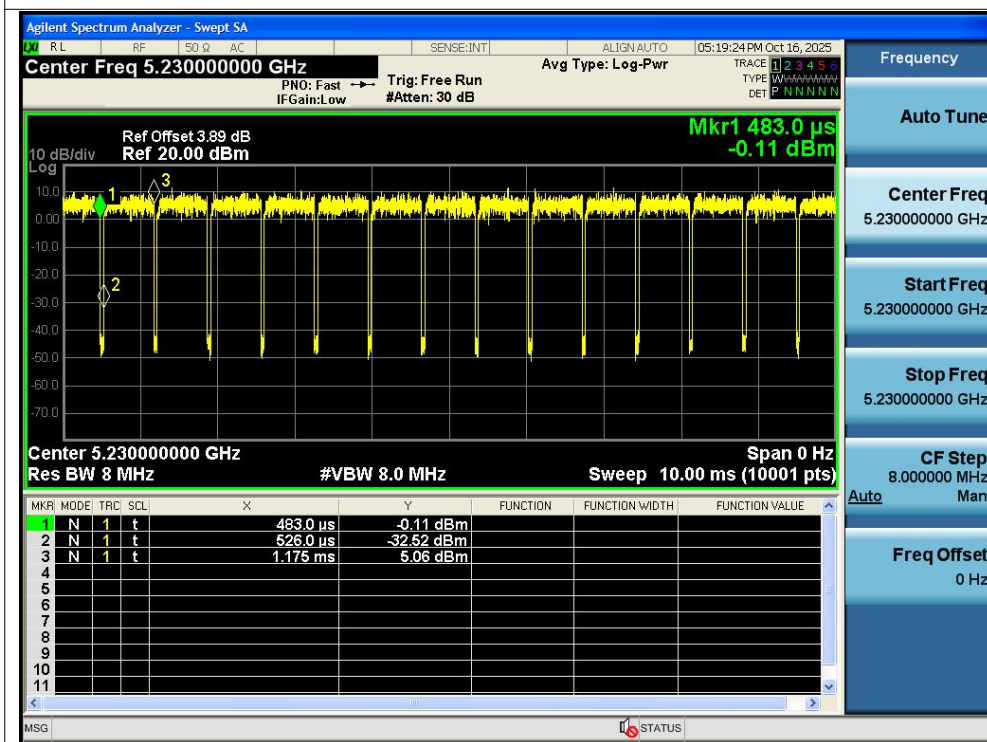


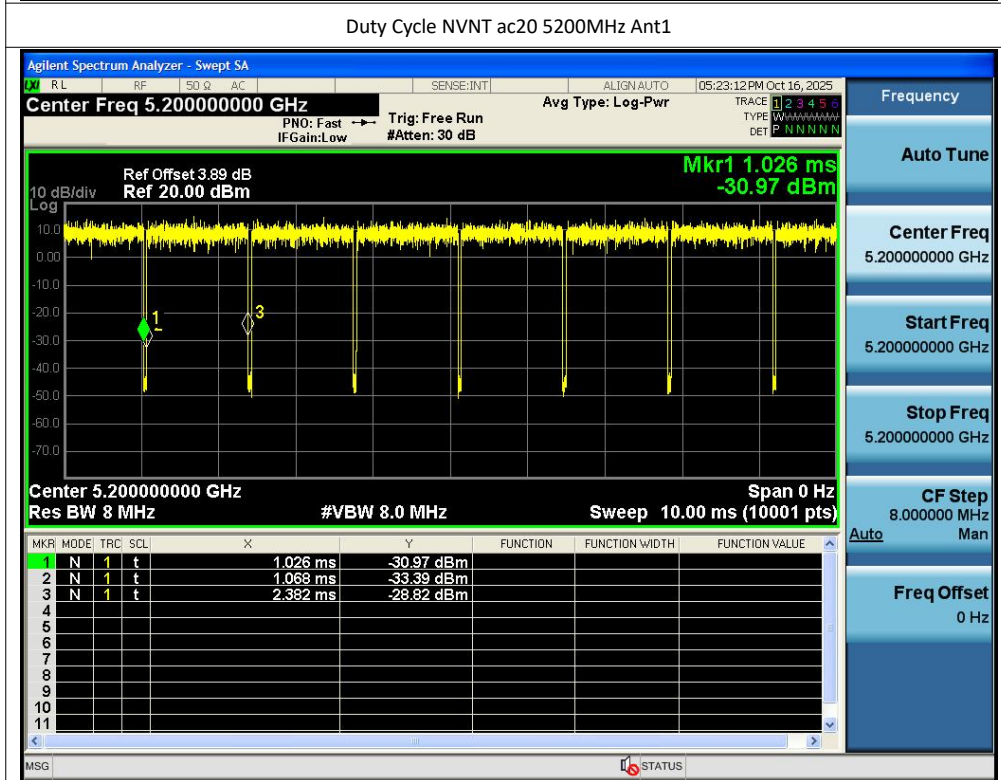
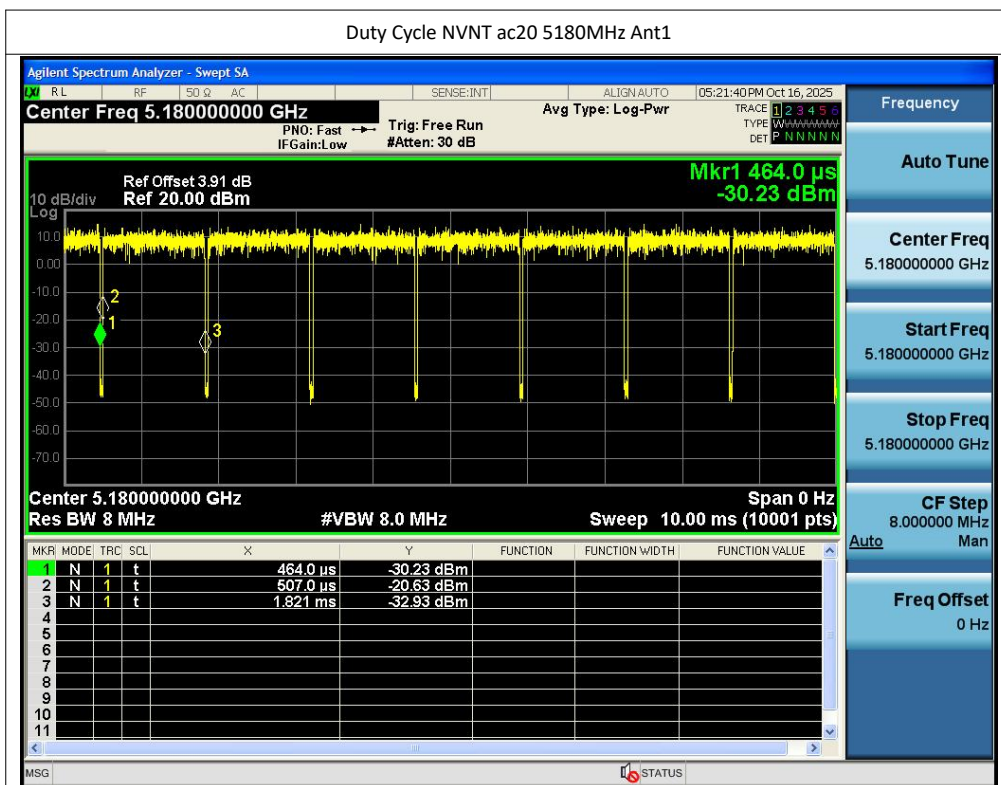


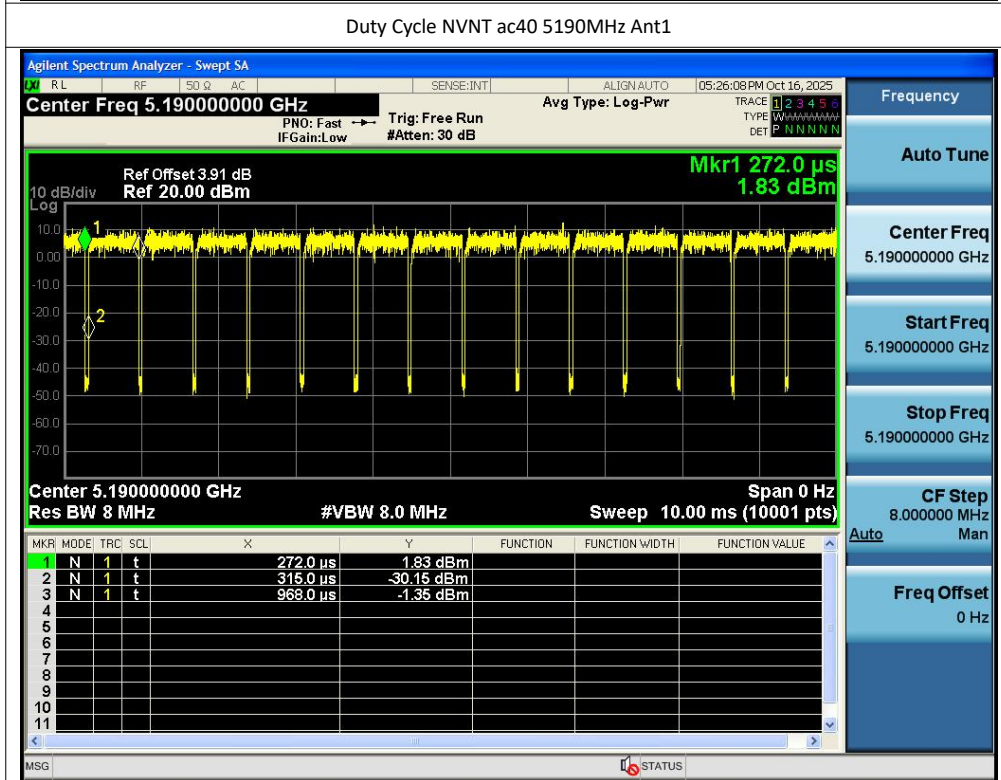
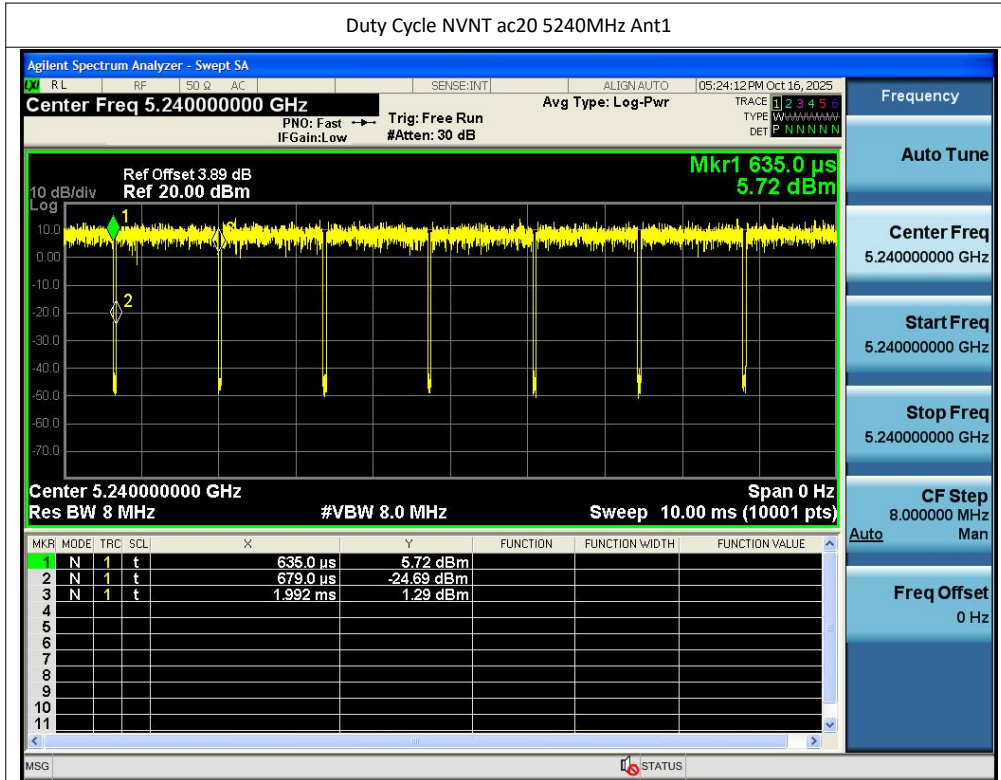
Duty Cycle NVNT n40 5190MHz Ant1

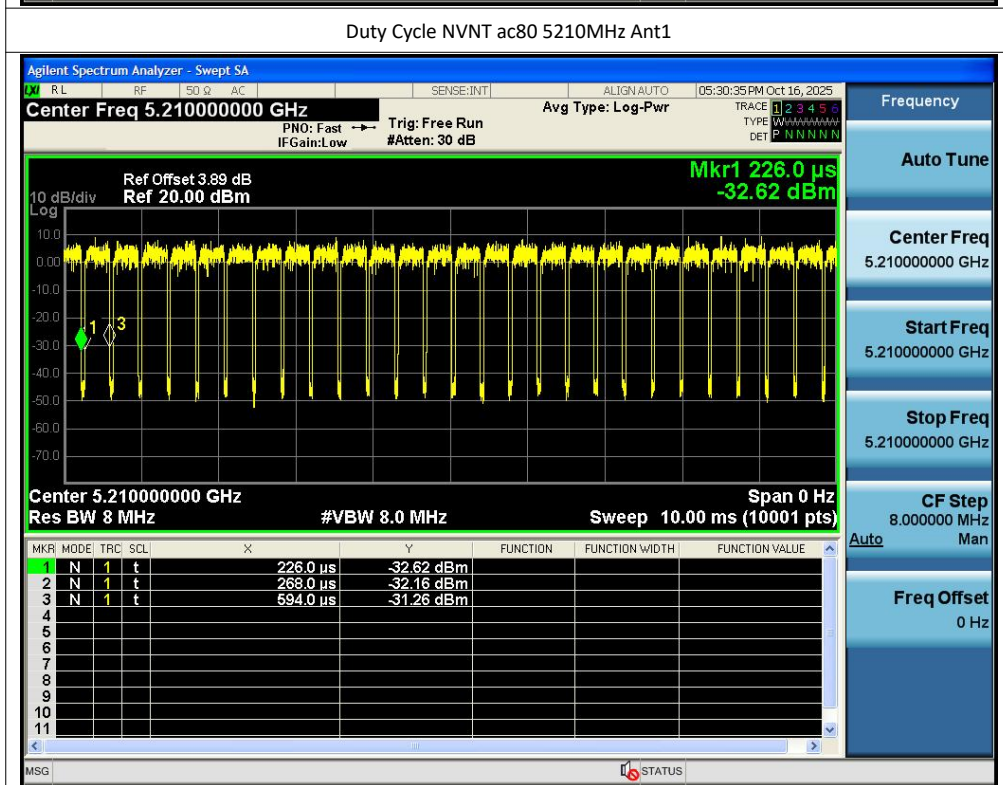
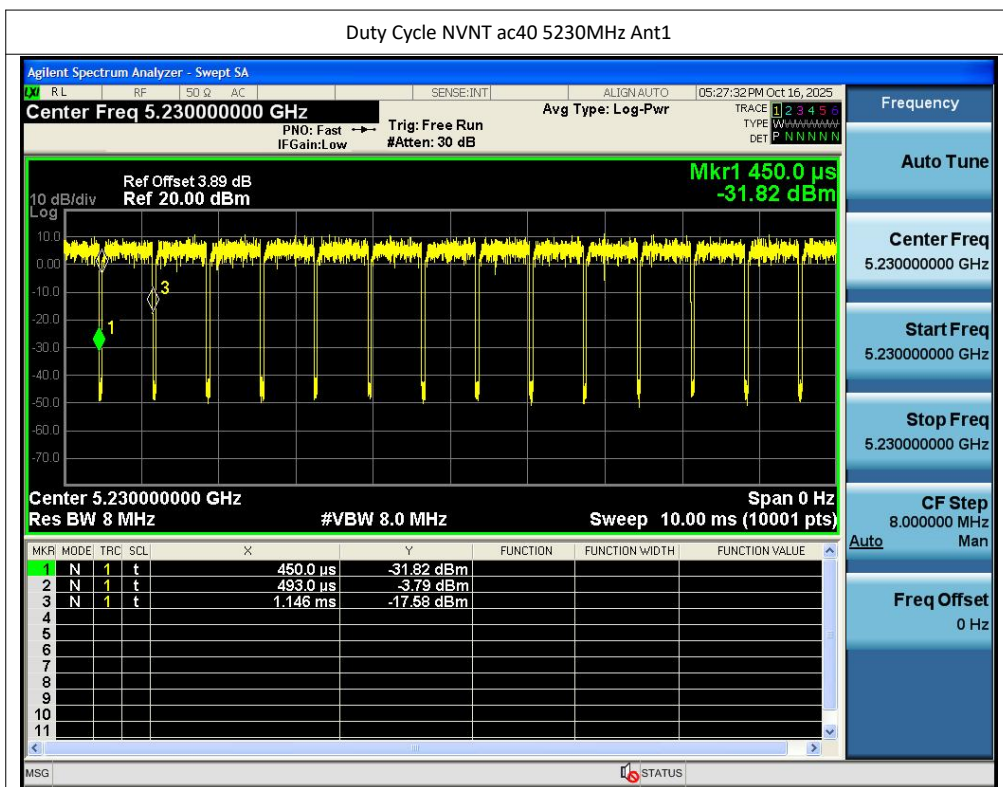


Duty Cycle NVNT n40 5230MHz Ant1







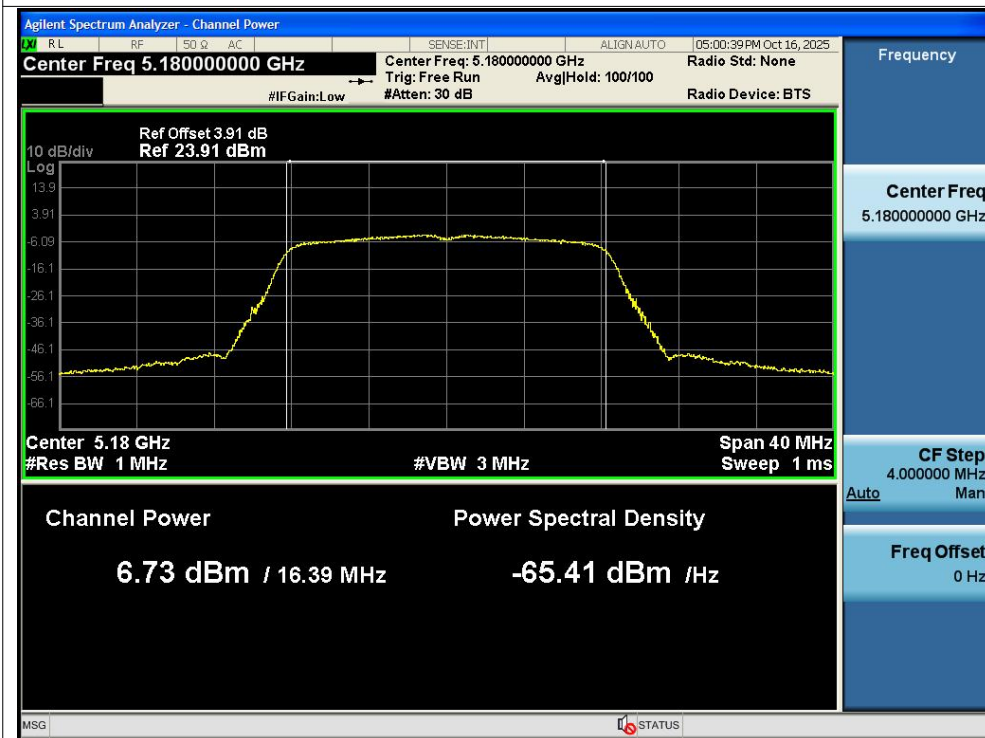


Maximum Conducted Output Power

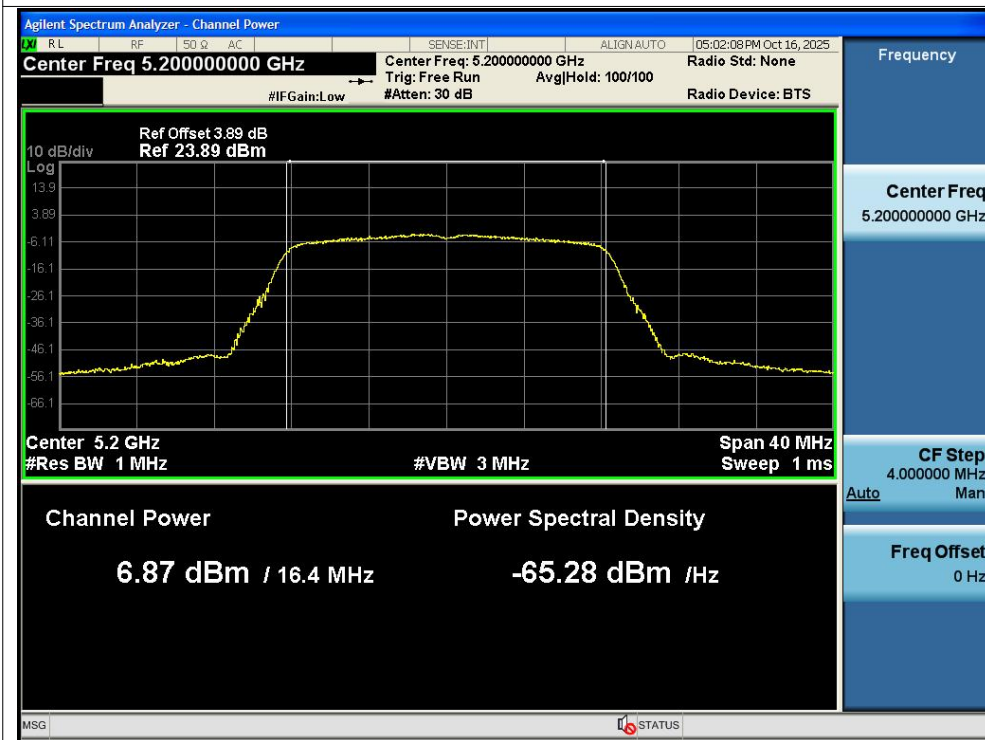
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	6.73	0.13	6.86	24	Pass
NVNT	a	5200	Ant1	6.87	0.13	7	24	Pass
NVNT	a	5240	Ant1	6.39	0.13	6.52	24	Pass
NVNT	n20	5180	Ant1	6.51	0.14	6.65	24	Pass
NVNT	n20	5200	Ant1	6.71	0.14	6.85	24	Pass
NVNT	n20	5240	Ant1	6.24	0.14	6.38	24	Pass
NVNT	n40	5190	Ant1	6.67	0.28	6.95	24	Pass
NVNT	n40	5230	Ant1	6.01	0.28	6.29	24	Pass
NVNT	ac20	5180	Ant1	6.6	0.14	6.74	24	Pass
NVNT	ac20	5200	Ant1	6.76	0.14	6.9	24	Pass
NVNT	ac20	5240	Ant1	6.32	0.14	6.46	24	Pass
NVNT	ac40	5190	Ant1	6.7	0.28	6.98	24	Pass
NVNT	ac40	5230	Ant1	6.17	0.28	6.45	24	Pass
NVNT	ac80	5210	Ant1	6.59	0.53	7.12	24	Pass

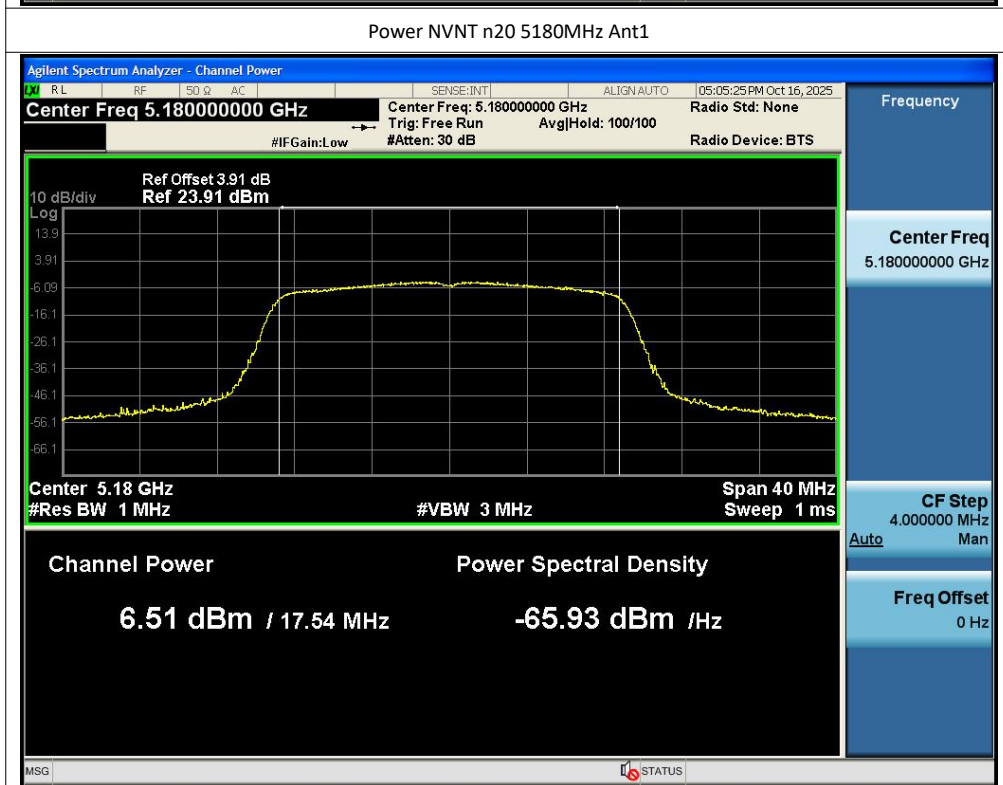
Test Graphs

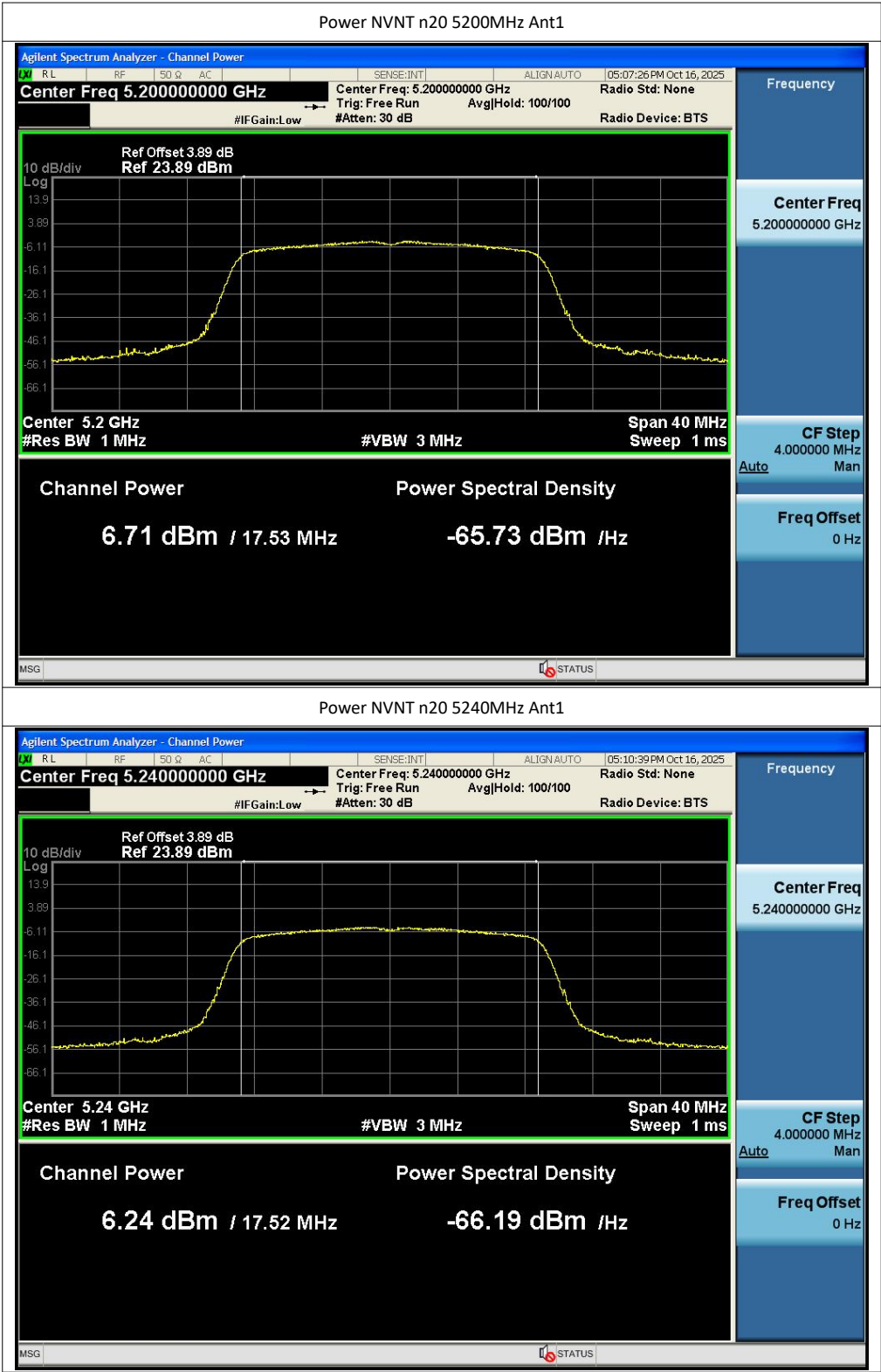
Power NVNT a 5180MHz Ant1



Power NVNT a 5200MHz Ant1






Power NVNT n20 5240MHz Ant1

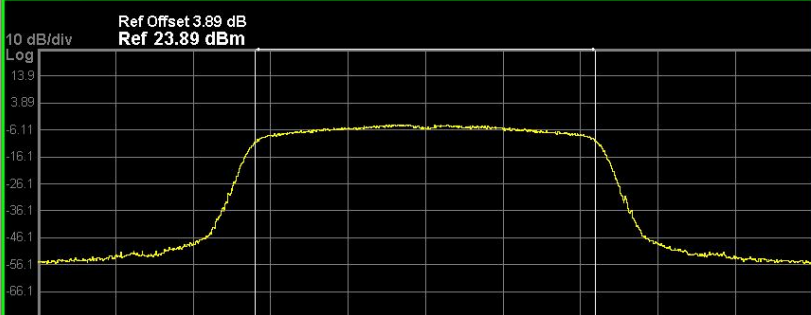
Agilent Spectrum Analyzer - Channel Power
05:10:39 PM Oct 16, 2025

Center Freq 5.240000000 GHz
#IF Gain: Low

Center Freq: 5.240000000 GHz
Trig: Free Run Avg/Hold: 100/100

Radio Std: None
Radio Device: BTS

10 dB/div
Log



Center 5.24 GHz
#Res BW 1 MHz #VBW 3 MHz Span 40 MHz Sweep 1 ms

Channel Power
6.24 dBm / 17.52 MHz

Power Spectral Density
-66.19 dBm /Hz

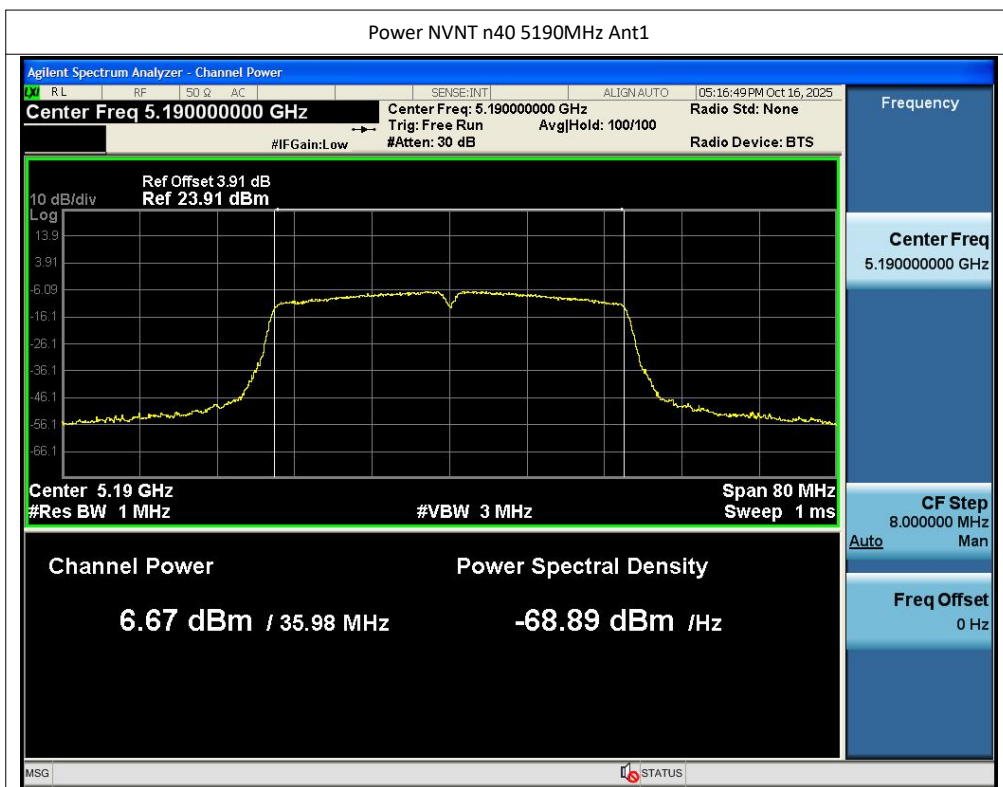
Frequency

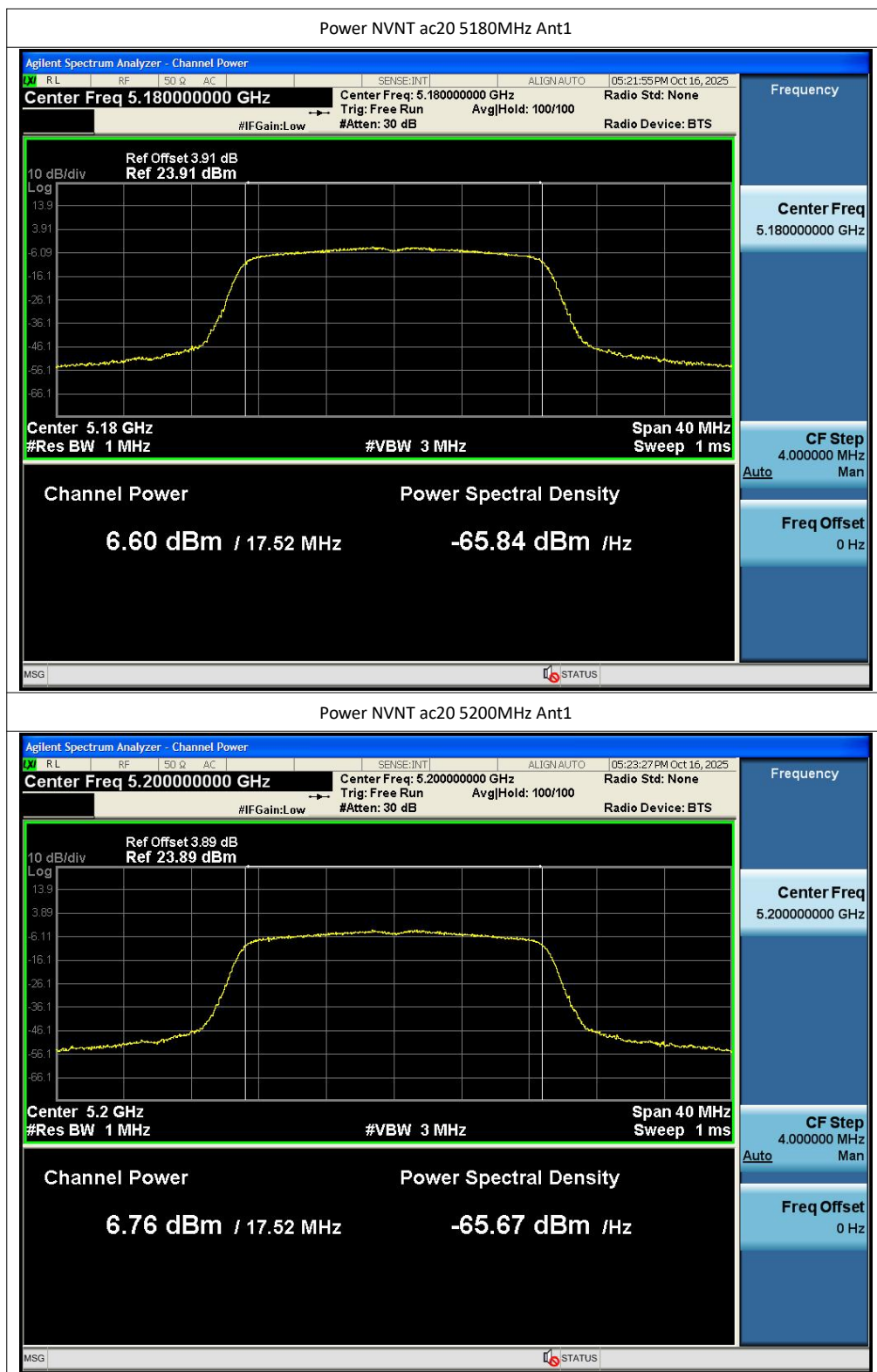
Center Freq
5.240000000 GHz

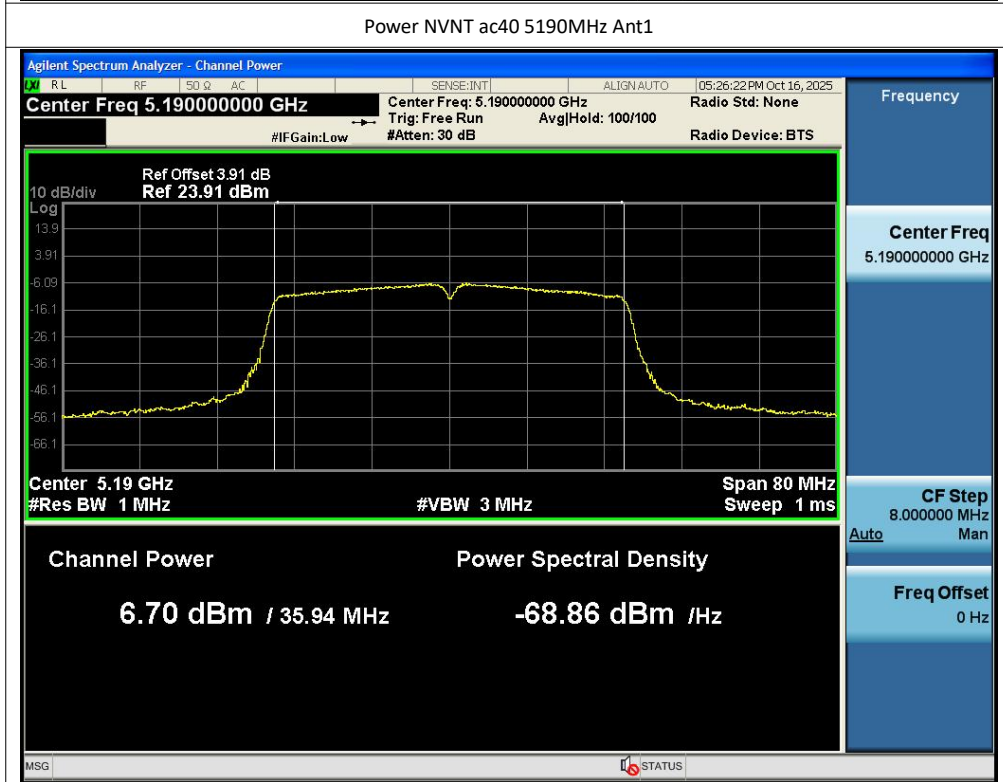
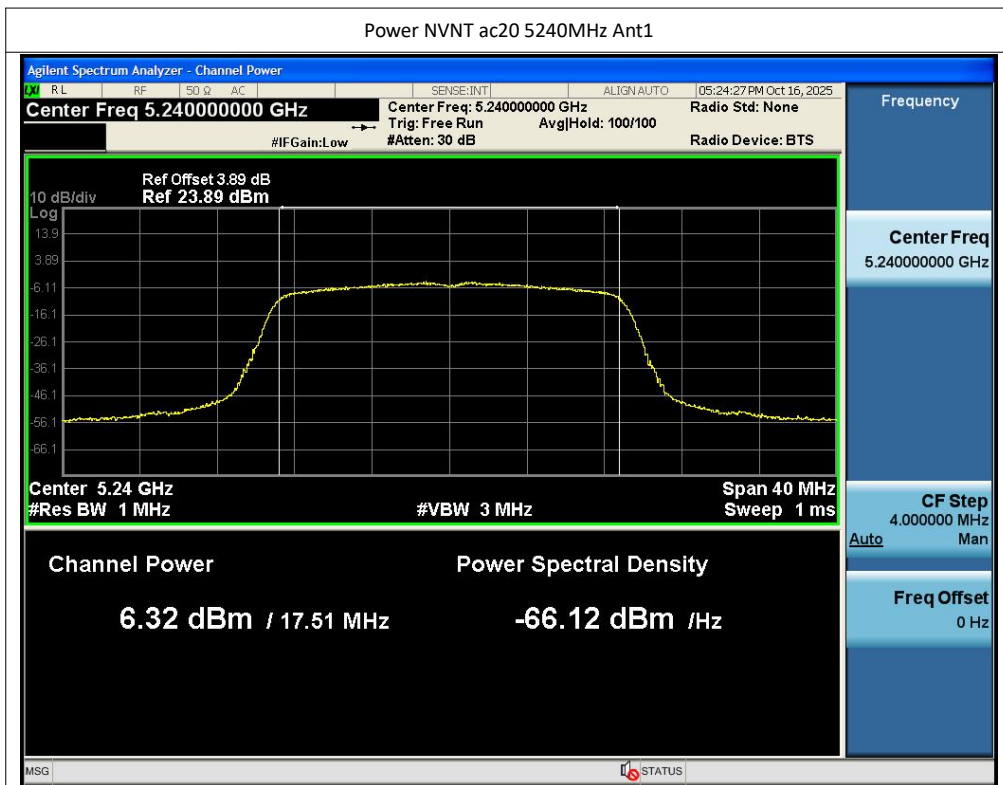
CF Step
4.000000 MHz
Auto Man

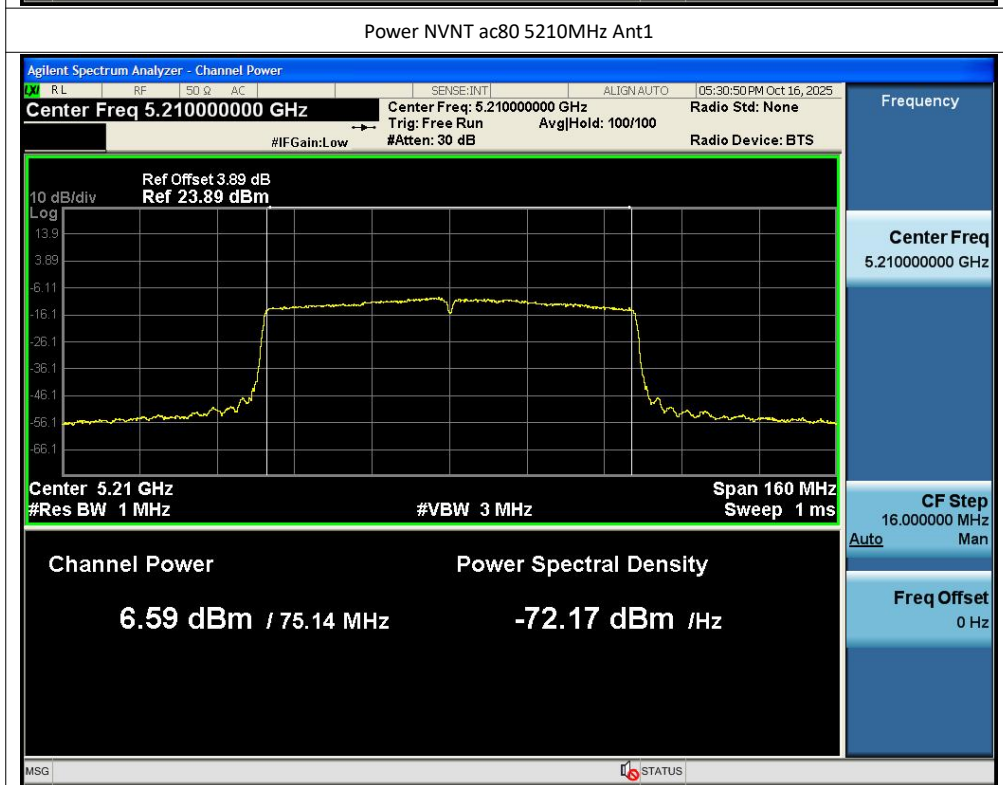
Freq Offset
0 Hz

MSG
STATUS









-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.93	0.5	Pass
NVNT	a	5200	Ant1	19.9	0.5	Pass
NVNT	a	5240	Ant1	19.82	0.5	Pass
NVNT	n20	5180	Ant1	20.29	0.5	Pass
NVNT	n20	5200	Ant1	20.24	0.5	Pass
NVNT	n20	5240	Ant1	20.14	0.5	Pass
NVNT	n40	5190	Ant1	40.14	0.5	Pass
NVNT	n40	5230	Ant1	39.87	0.5	Pass
NVNT	ac20	5180	Ant1	20.17	0.5	Pass
NVNT	ac20	5200	Ant1	20.26	0.5	Pass
NVNT	ac20	5240	Ant1	20.34	0.5	Pass
NVNT	ac40	5190	Ant1	39.53	0.5	Pass
NVNT	ac40	5230	Ant1	39.7	0.5	Pass
NVNT	ac80	5210	Ant1	79.24	0.5	Pass

Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1



