

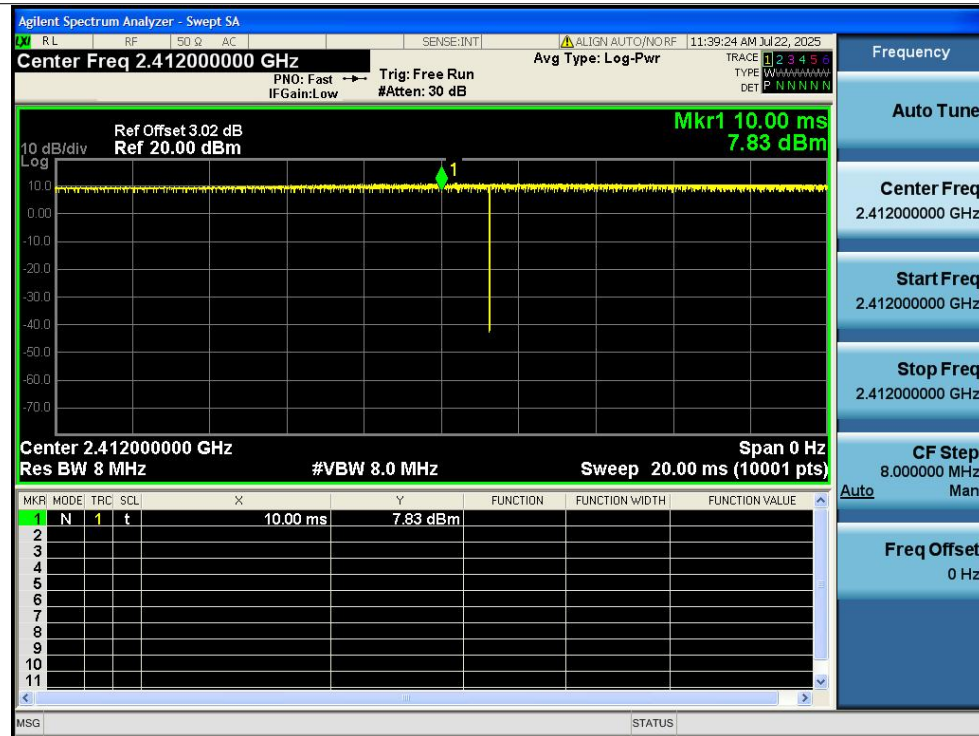
Appendix A 2.4GWiFi

Duty Cycle

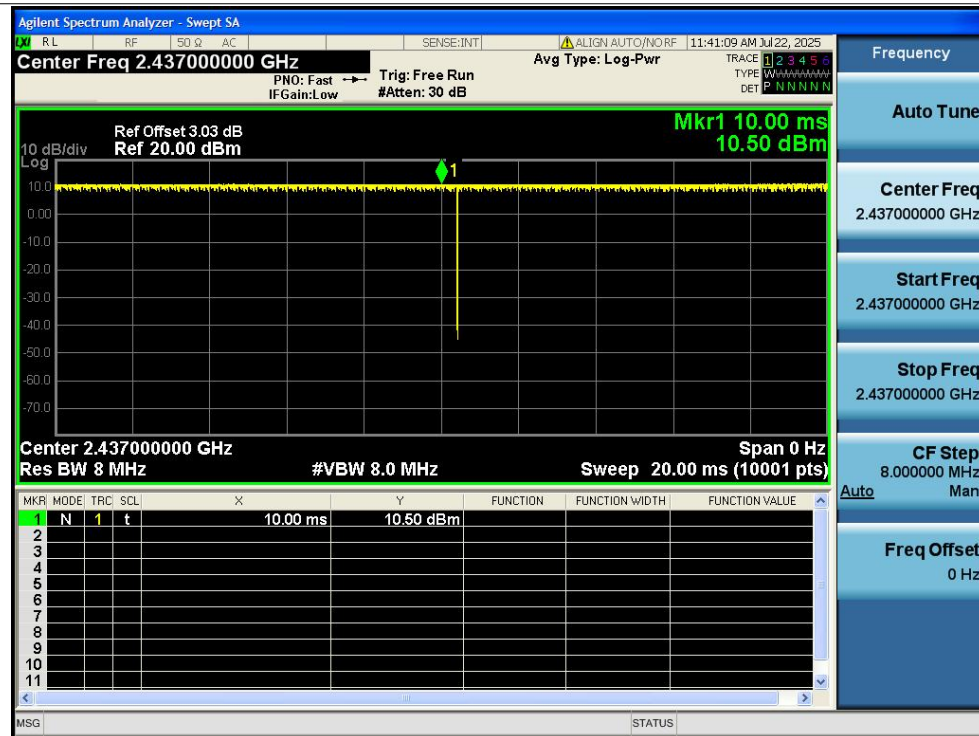
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.92	0	0
NVNT	b	2437	Ant1	99.91	0	0
NVNT	b	2462	Ant1	100	0	0
NVNT	g	2412	Ant1	99.53	0.02	0.18
NVNT	g	2437	Ant1	99.53	0.02	0.18
NVNT	g	2462	Ant1	99.53	0.02	0.18
NVNT	n20	2412	Ant1	99.49	0.02	0.2
NVNT	n20	2437	Ant1	99.49	0.02	0.2
NVNT	n20	2462	Ant1	99.49	0.02	0.2
NVNT	n40	2422	Ant1	95.01	0.22	1.54
NVNT	n40	2437	Ant1	95.01	0.22	1.54
NVNT	n40	2452	Ant1	94.74	0.23	1.54

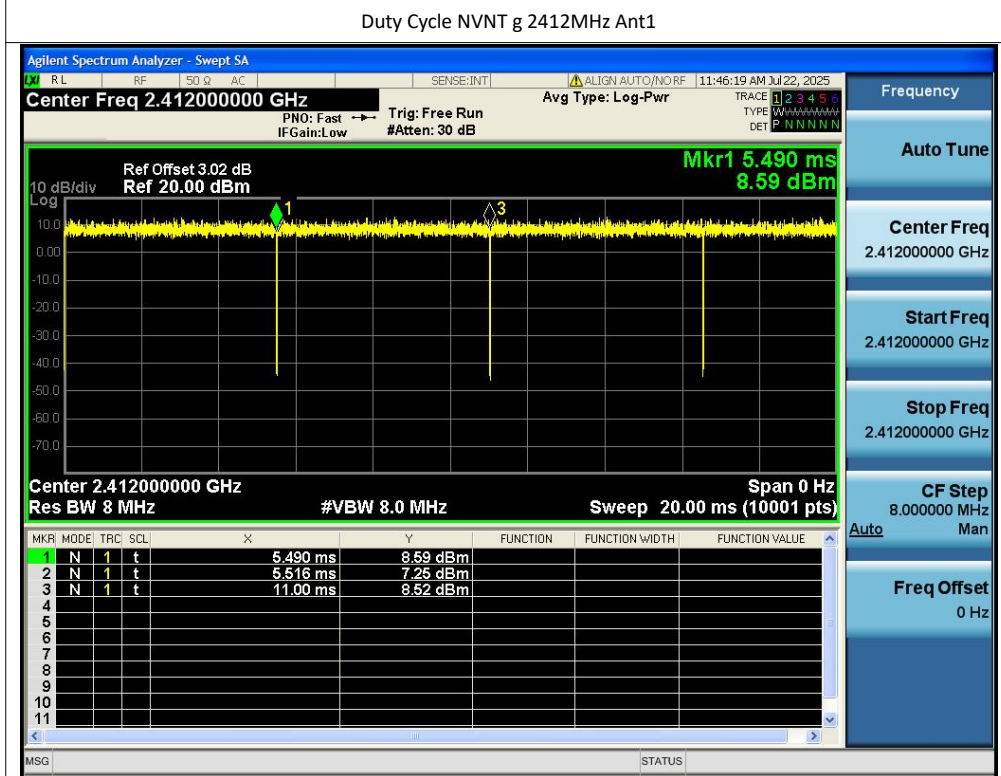
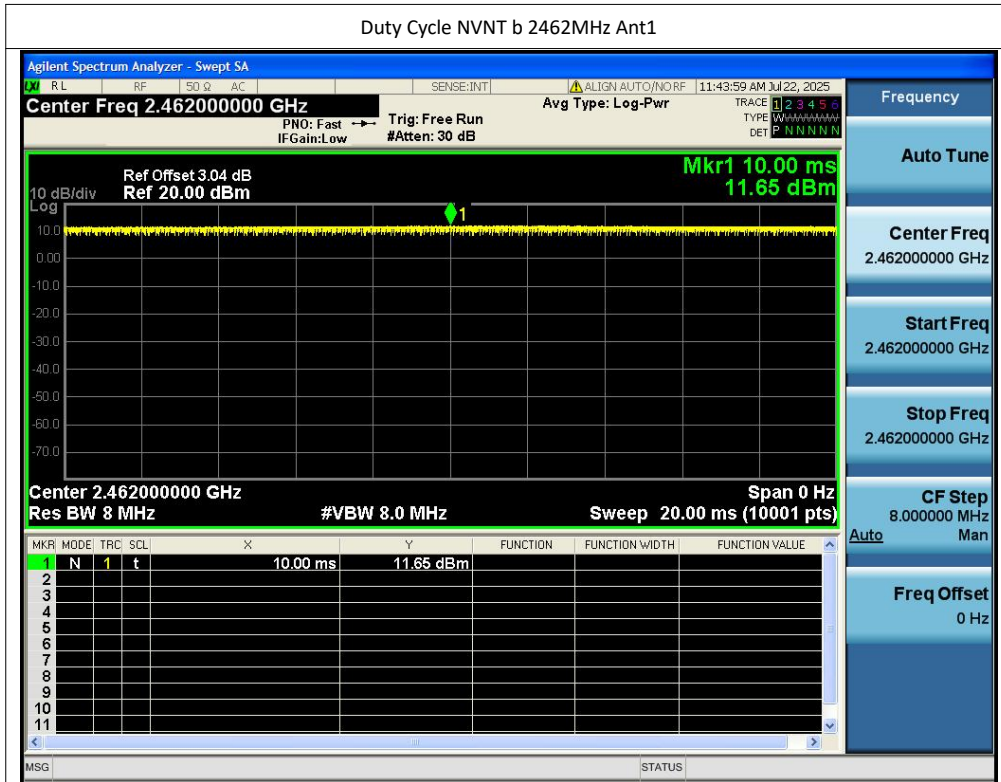
Test Graphs

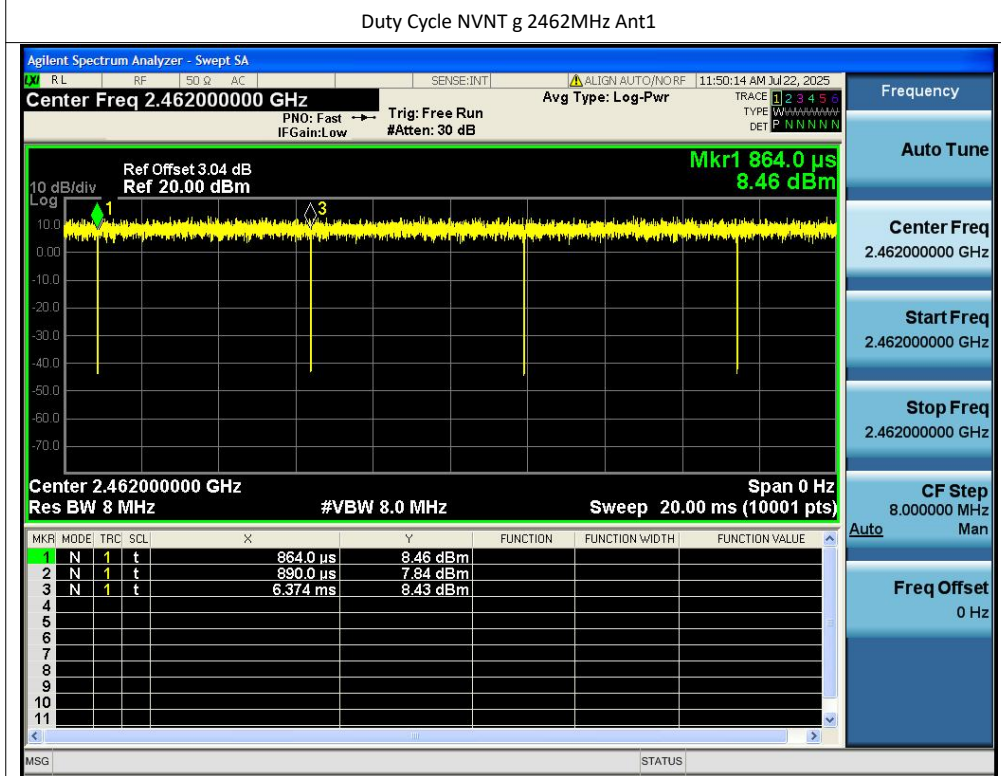
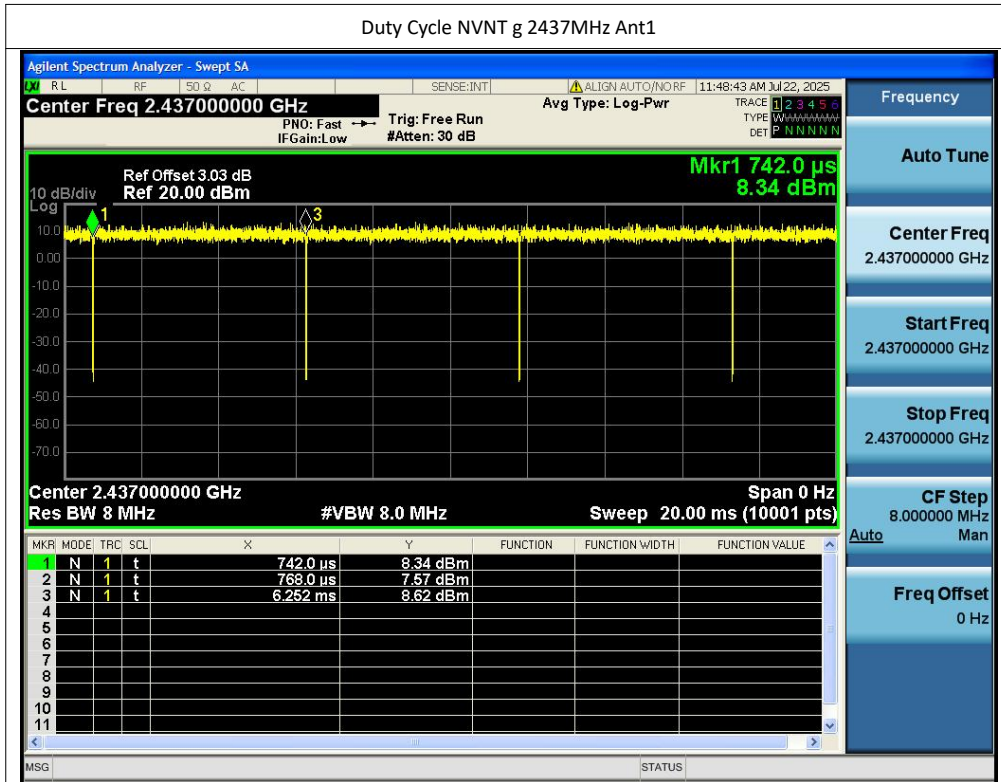
Duty Cycle NVNT b 2412MHz Ant1



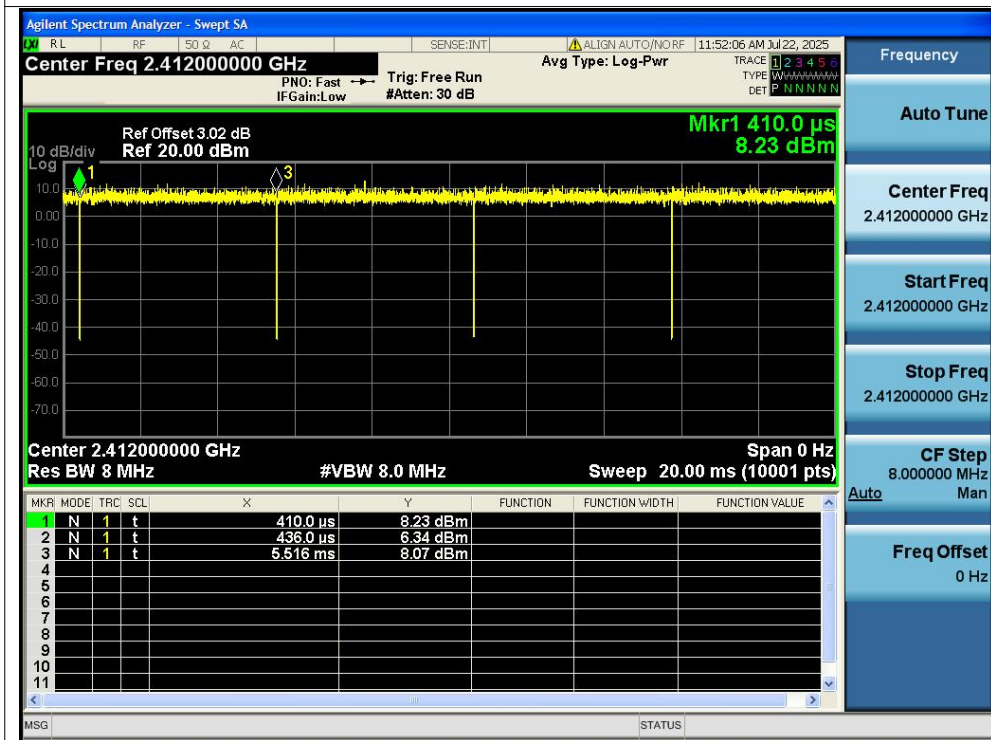
Duty Cycle NVNT b 2437MHz Ant1



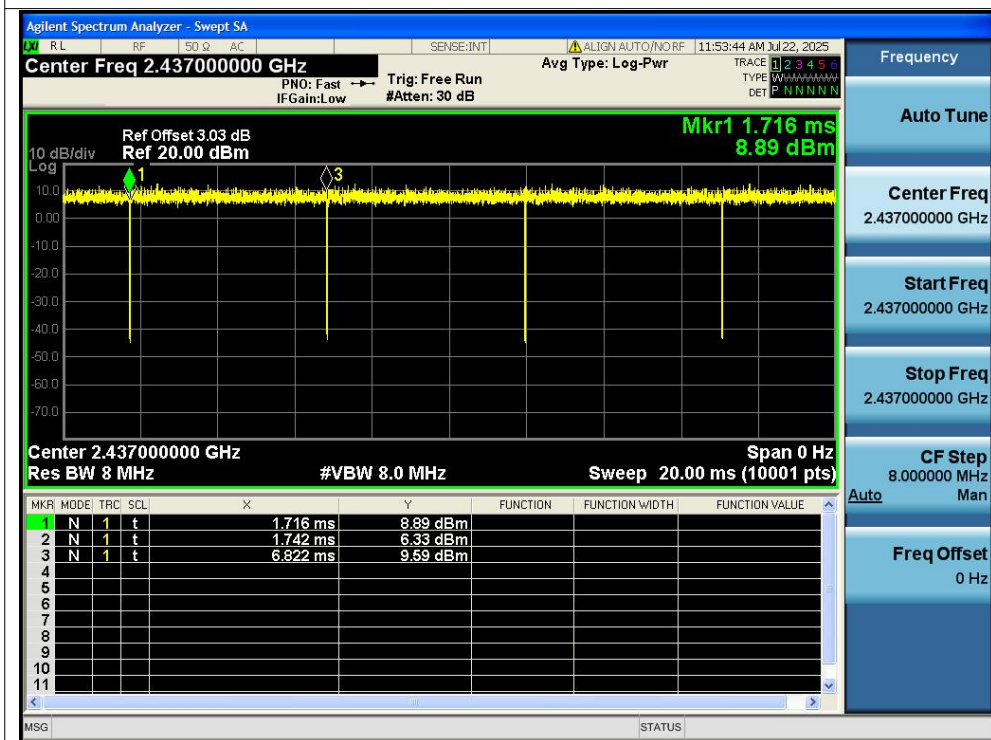




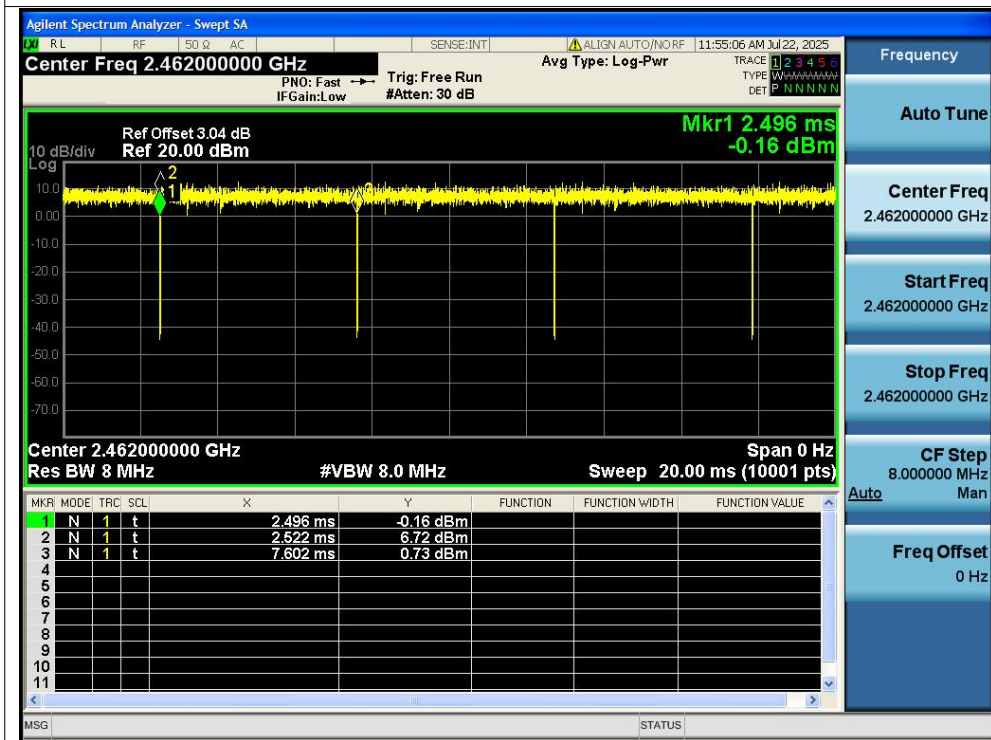
Duty Cycle NVNT n20 2412MHz Ant1



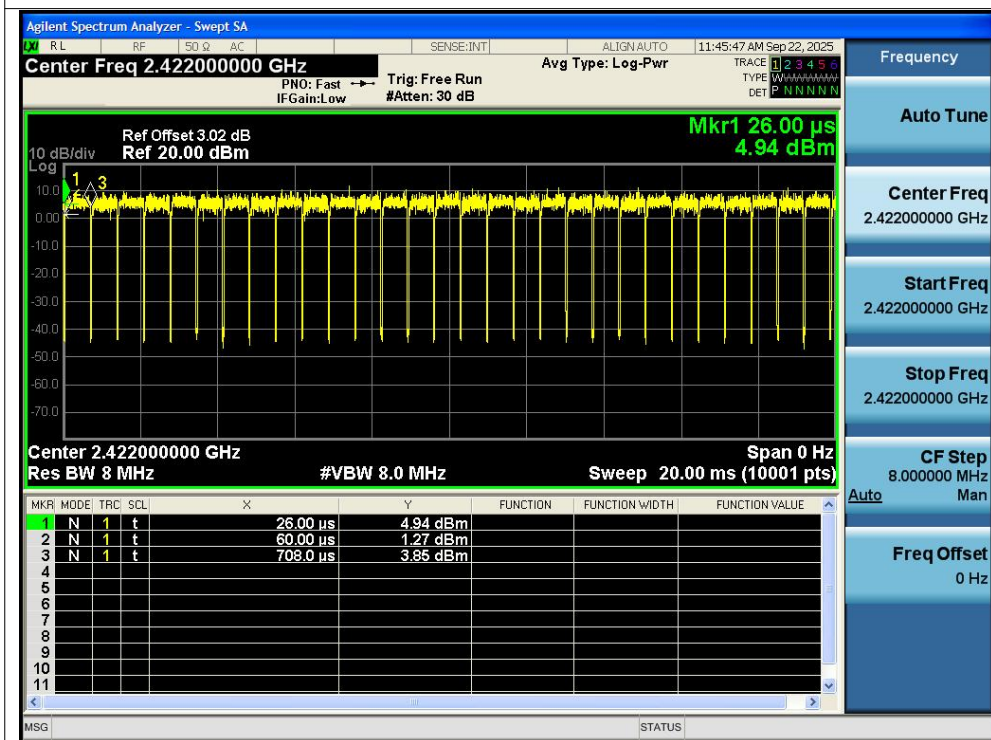
Duty Cycle NVNT n20 2437MHz Ant1



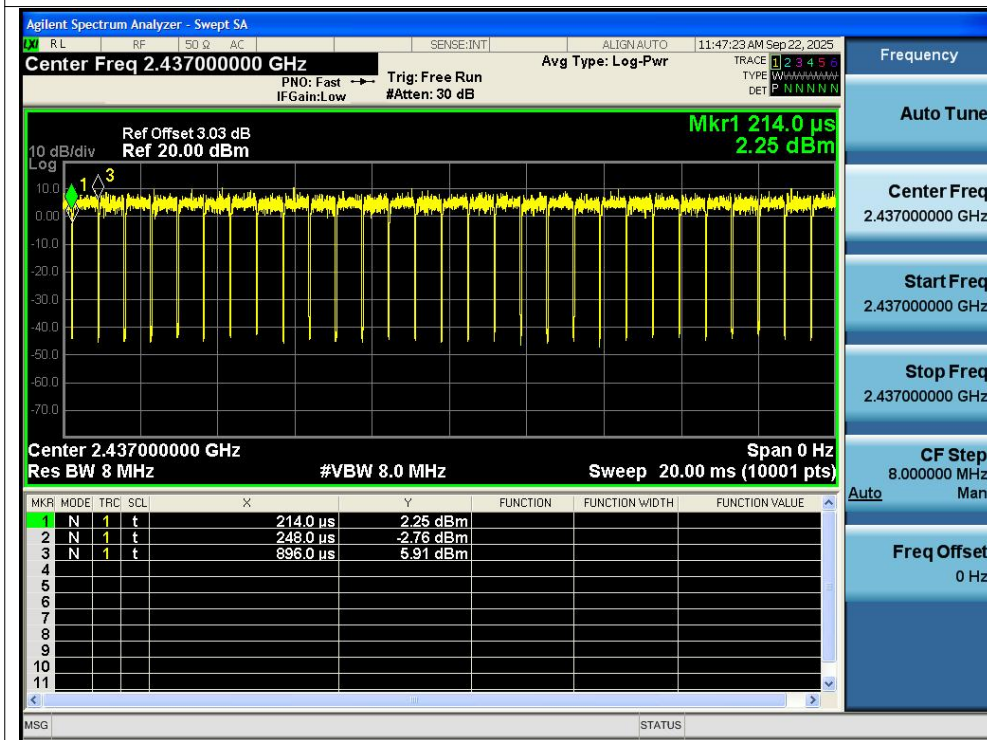
Duty Cycle NVNT n20 2462MHz Ant1



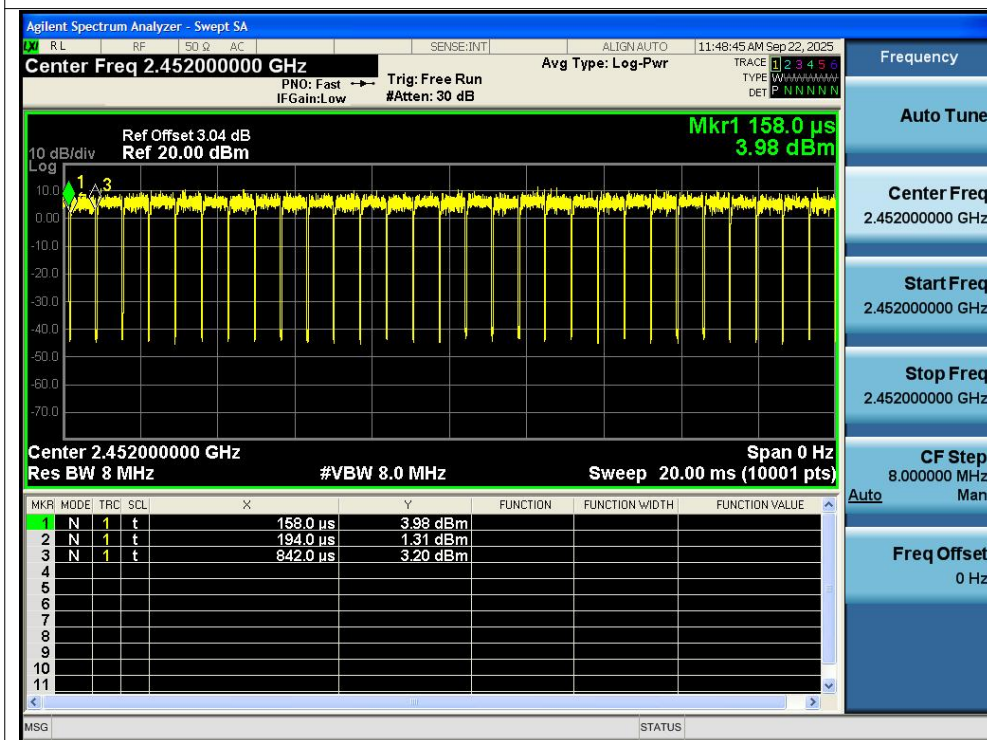
Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



Duty Cycle NVNT n40 2452MHz Ant1

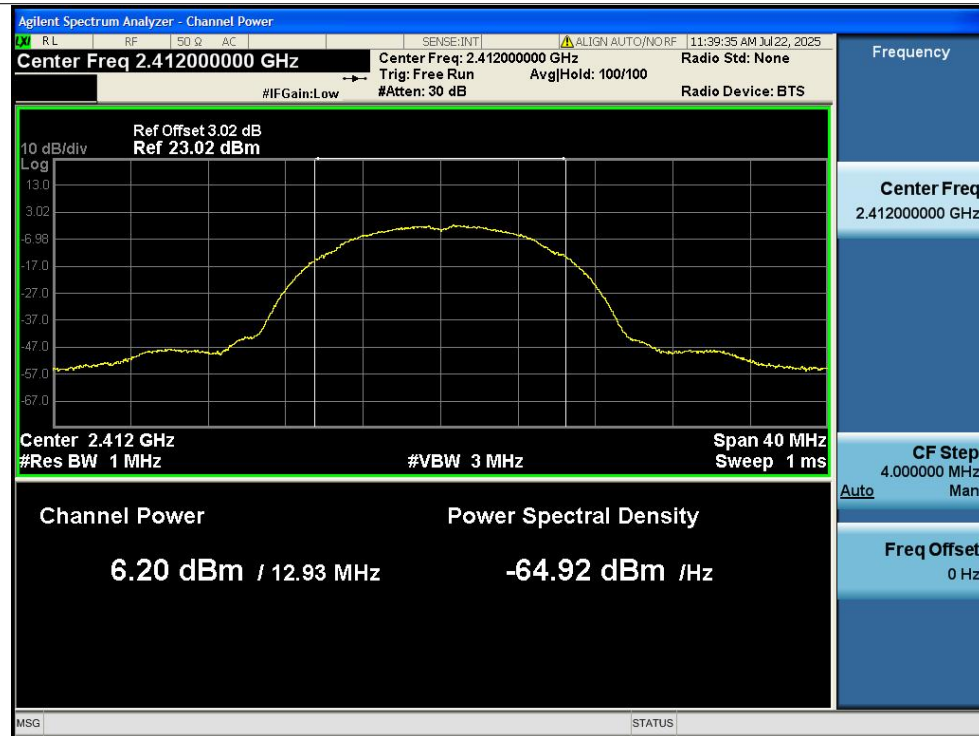


Maximum Conducted Output Power

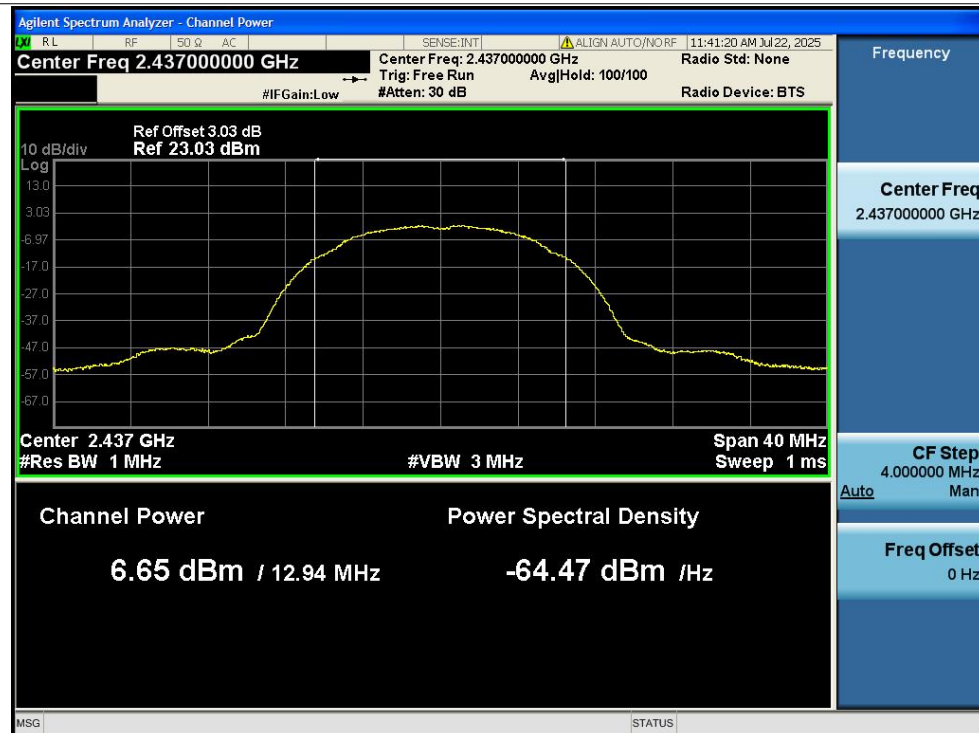
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	6.2	0	6.2	30	Pass
NVNT	b	2437	Ant1	6.65	0	6.65	30	Pass
NVNT	b	2462	Ant1	6.82	0	6.82	30	Pass
NVNT	g	2412	Ant1	5.59	0.02	5.61	30	Pass
NVNT	g	2437	Ant1	6.08	0.02	6.1	30	Pass
NVNT	g	2462	Ant1	6.08	0.02	6.1	30	Pass
NVNT	n20	2412	Ant1	4.76	0.02	4.78	30	Pass
NVNT	n20	2437	Ant1	5.13	0.02	5.15	30	Pass
NVNT	n20	2462	Ant1	5.05	0.02	5.07	30	Pass
NVNT	n40	2422	Ant1	5.21	0.22	5.43	30	Pass
NVNT	n40	2437	Ant1	5.23	0.22	5.45	30	Pass
NVNT	n40	2452	Ant1	5.32	0.23	5.55	30	Pass

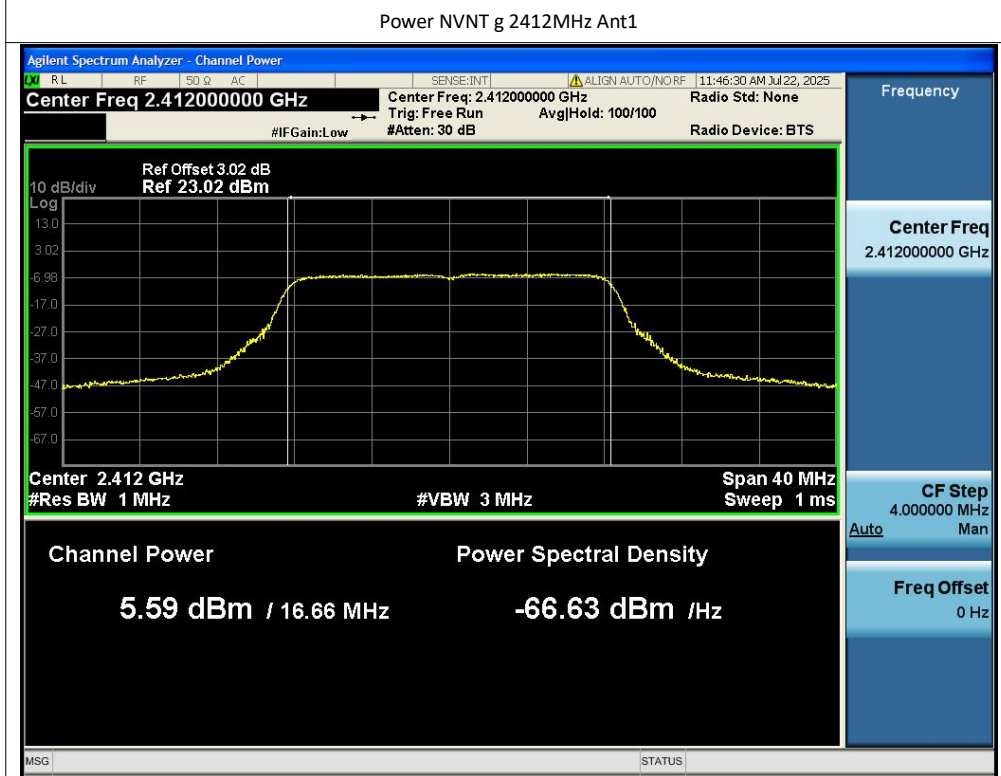
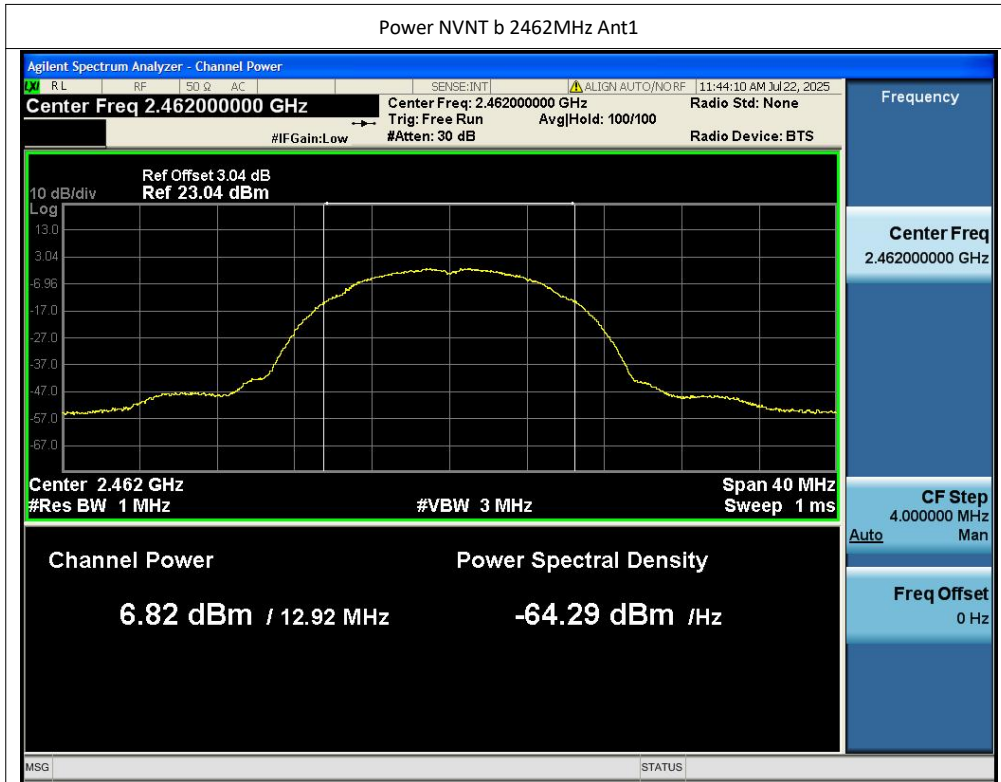
Test Graphs

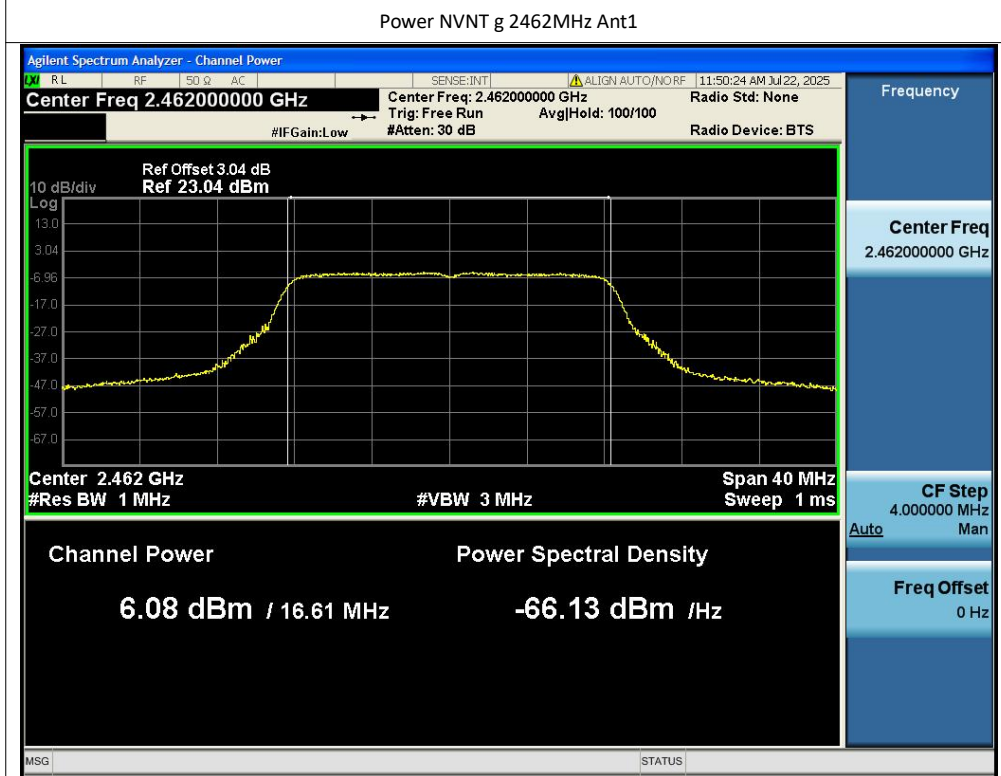
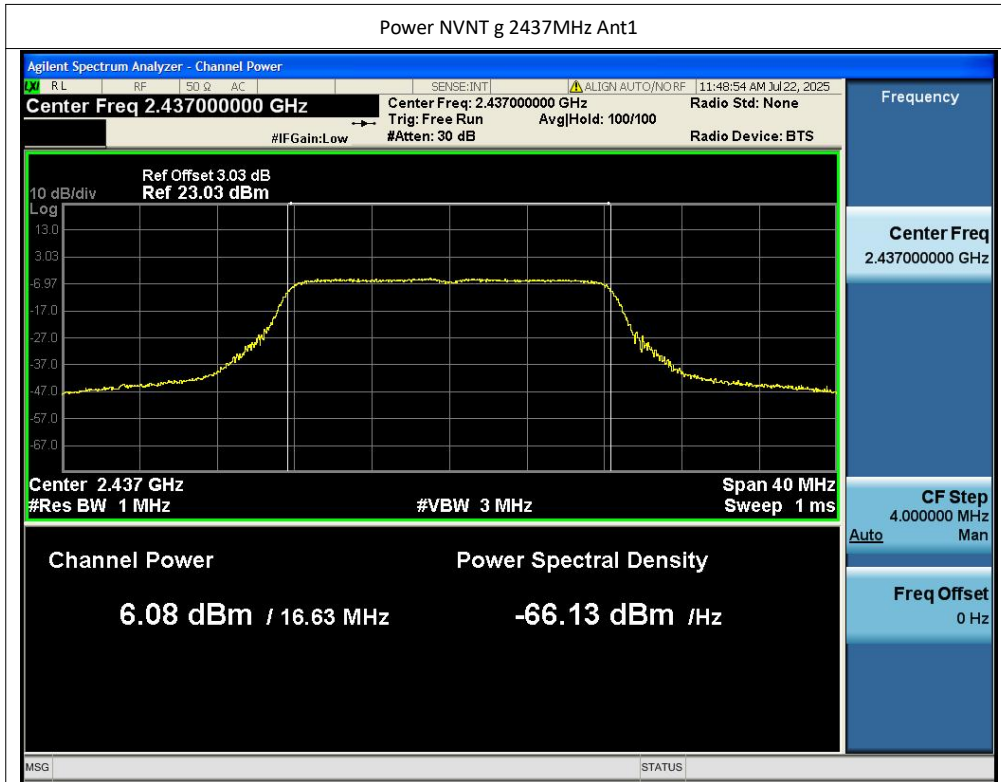
Power NVNT b 2412MHz Ant1

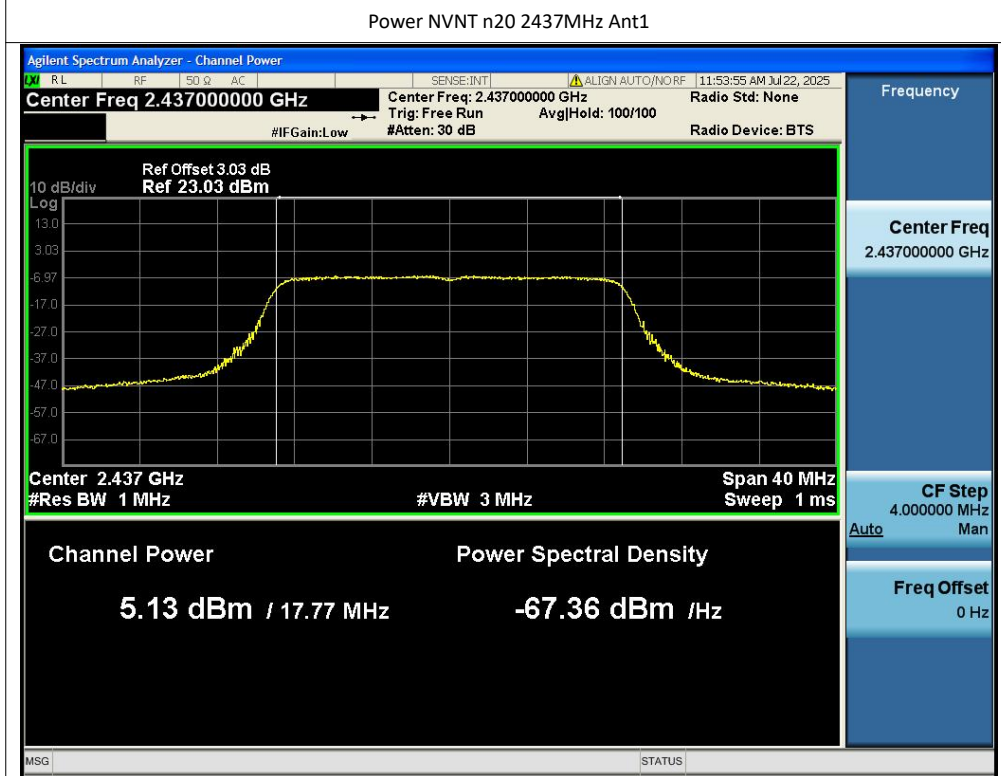
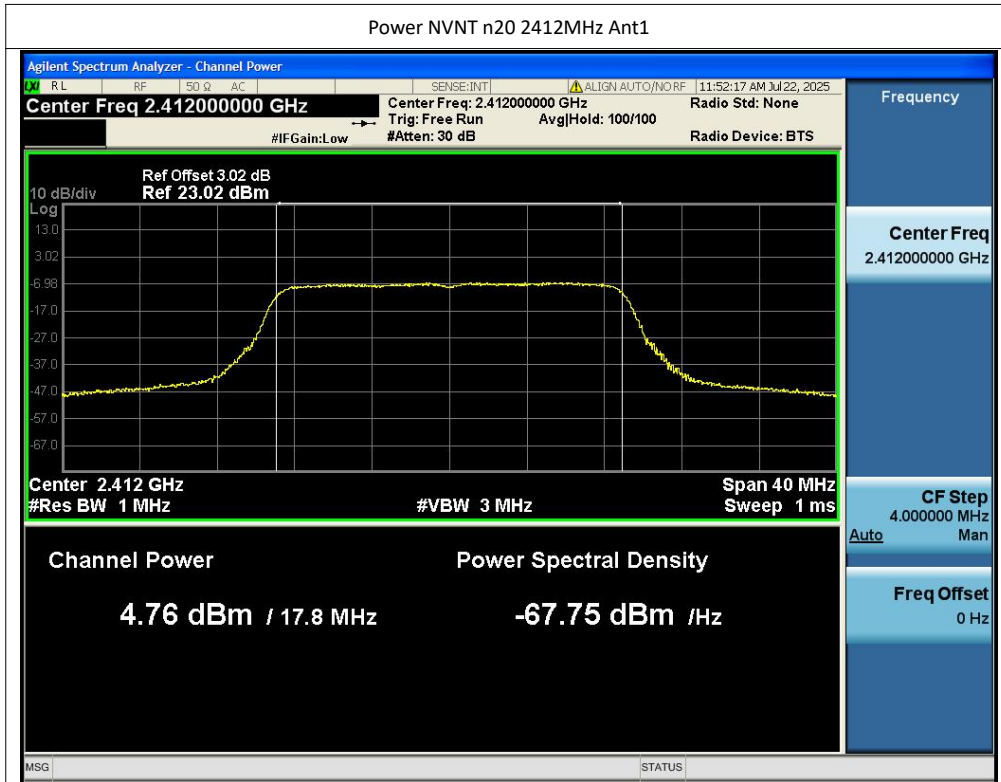


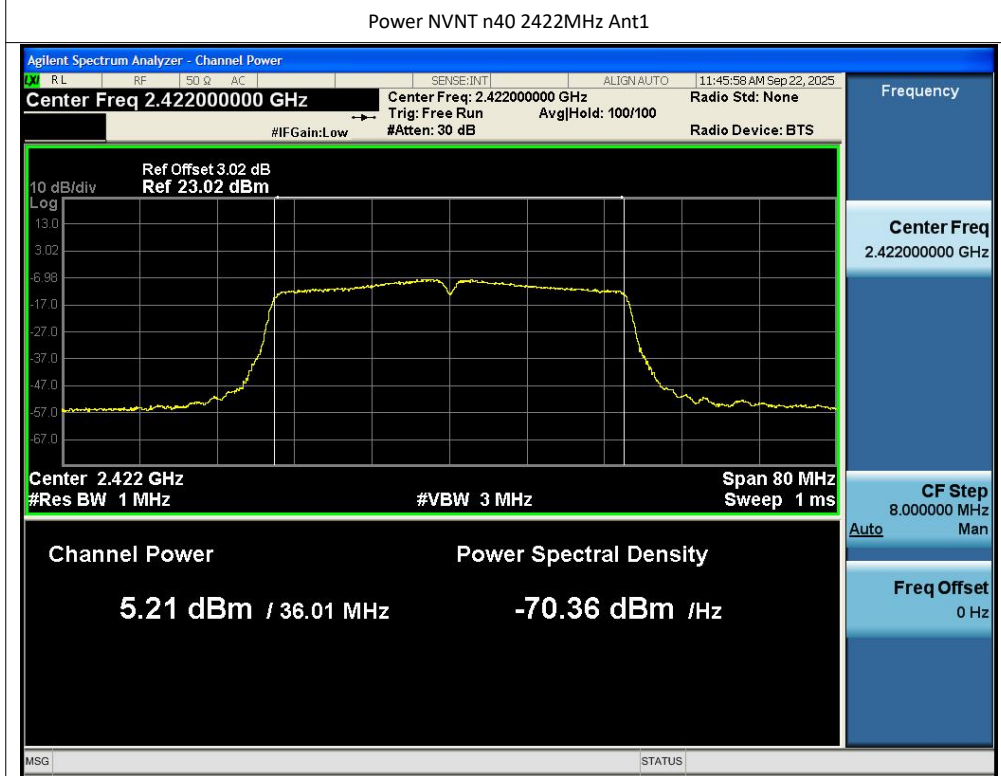
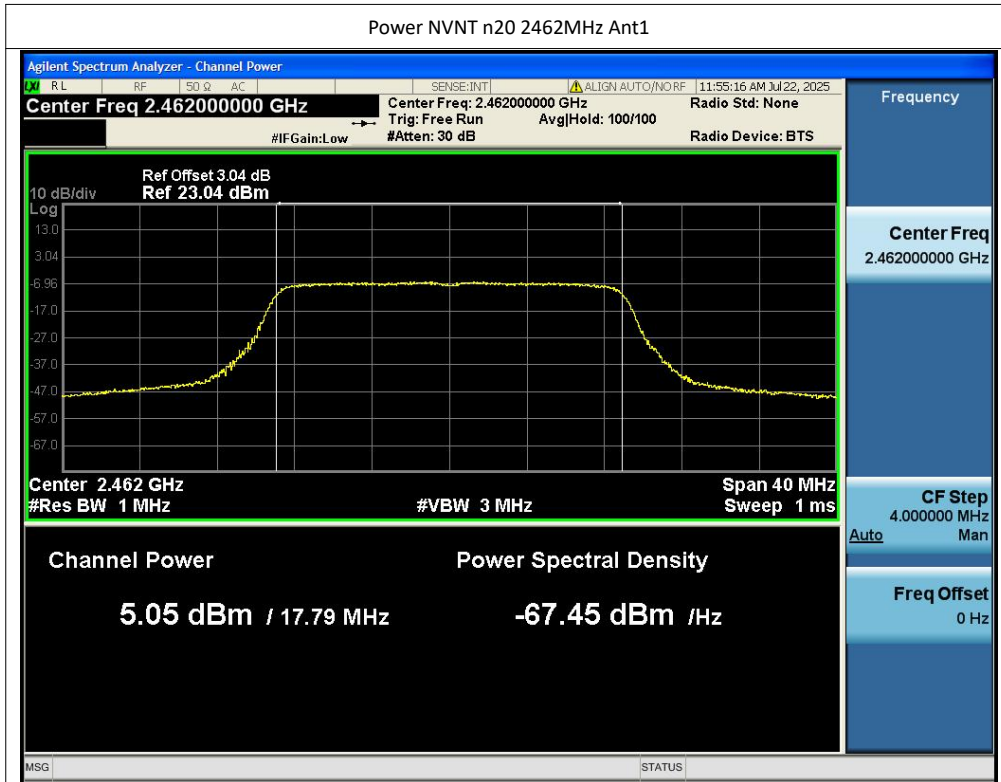
Power NVNT b 2437MHz Ant1

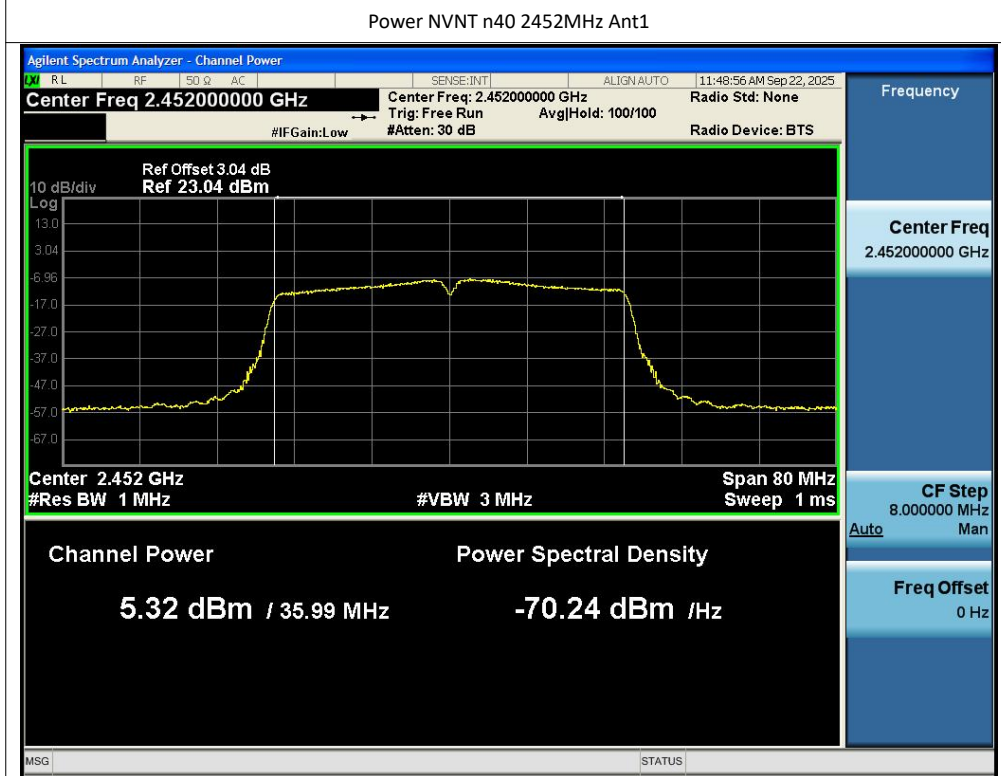
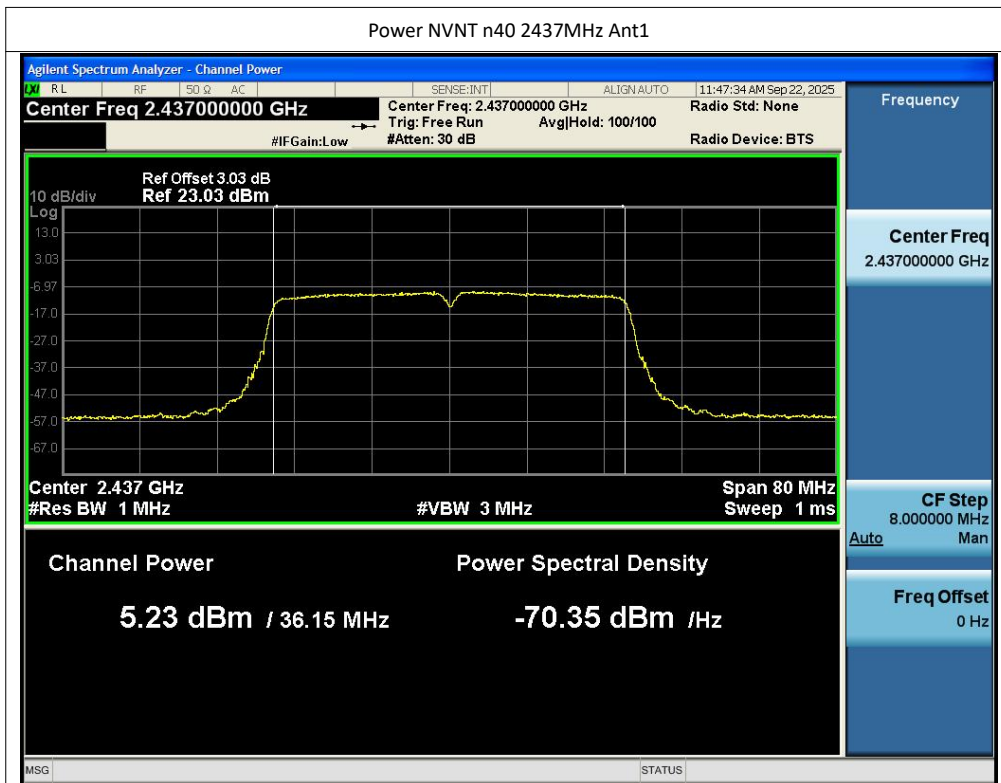












-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	7.126	0.5	Pass
NVNT	b	2437	Ant1	8.123	0.5	Pass
NVNT	b	2462	Ant1	7.589	0.5	Pass
NVNT	g	2412	Ant1	11.85	0.5	Pass
NVNT	g	2437	Ant1	16.14	0.5	Pass
NVNT	g	2462	Ant1	13.23	0.5	Pass
NVNT	n20	2412	Ant1	12.53	0.5	Pass
NVNT	n20	2437	Ant1	17.38	0.5	Pass
NVNT	n20	2462	Ant1	12.22	0.5	Pass
NVNT	n40	2422	Ant1	26.55	0.5	Pass
NVNT	n40	2437	Ant1	36.46	0.5	Pass
NVNT	n40	2452	Ant1	24.77	0.5	Pass

Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1



-6dB Bandwidth NVNT b 2437MHz Ant1



-6dB Bandwidth NVNT b 2462MHz Ant1



-6dB Bandwidth NVNT g 2412MHz Ant1



-6dB Bandwidth NVNT g 2437MHz Ant1



-6dB Bandwidth NVNT g 2462MHz Ant1



-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1



-6dB Bandwidth NVNT n20 2462MHz Ant1



-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant1



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.927
NVNT	b	2437	Ant1	12.94
NVNT	b	2462	Ant1	12.918
NVNT	g	2412	Ant1	16.664
NVNT	g	2437	Ant1	16.626
NVNT	g	2462	Ant1	16.611
NVNT	n20	2412	Ant1	17.803
NVNT	n20	2437	Ant1	17.77
NVNT	n20	2462	Ant1	17.785
NVNT	n40	2422	Ant1	36.012
NVNT	n40	2437	Ant1	36.145
NVNT	n40	2452	Ant1	35.993