

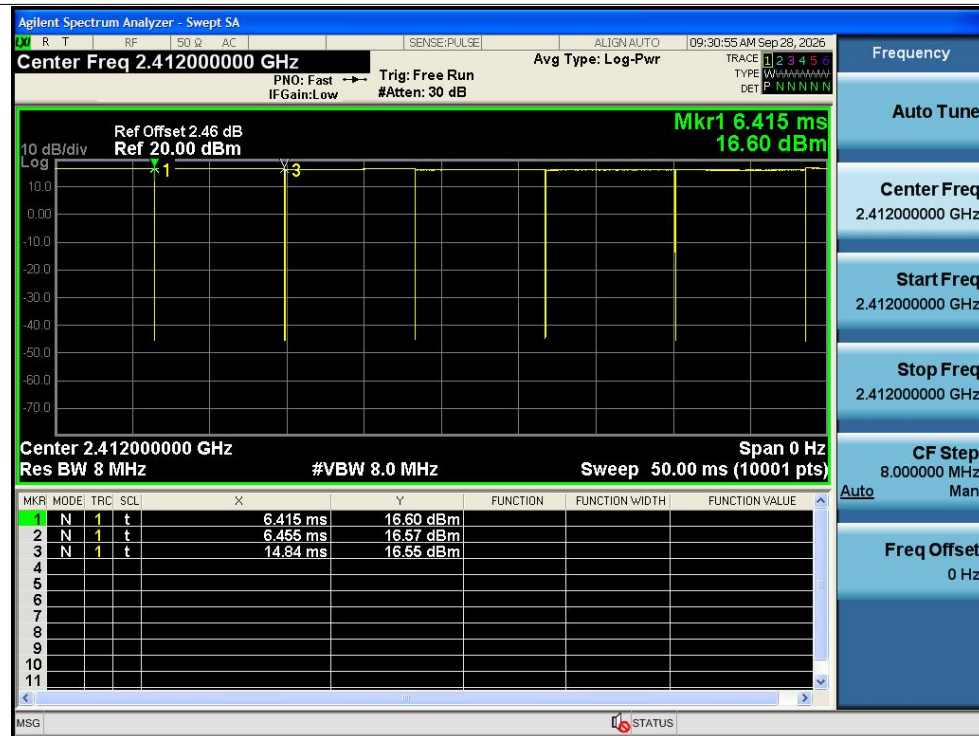
Appendix D_2.4G WIFI

Duty Cycle

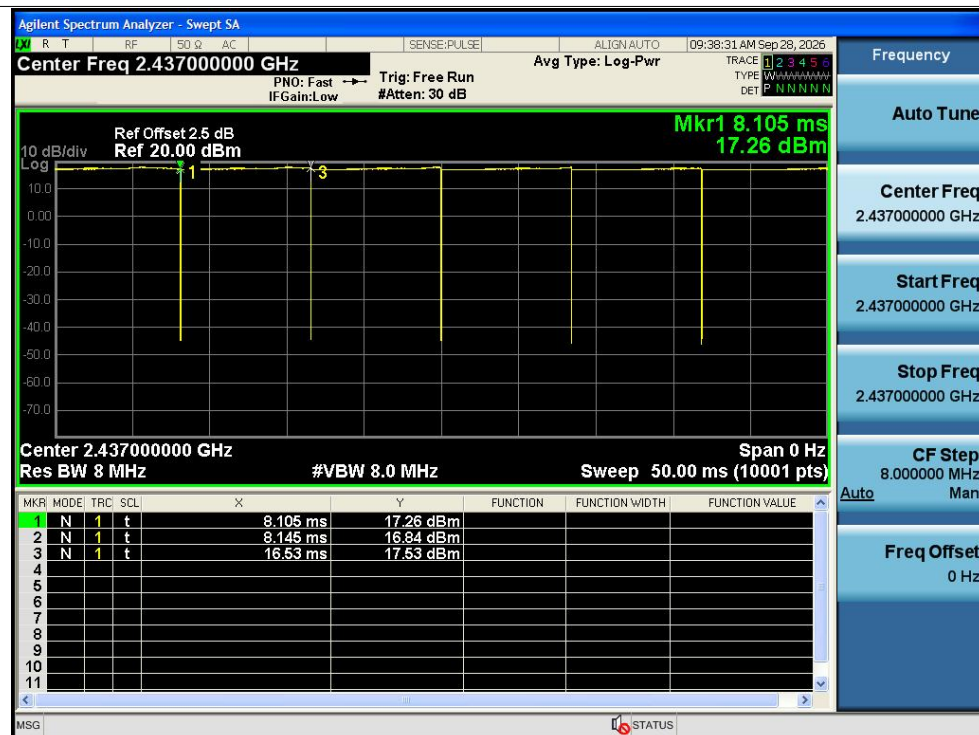
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.52	0.02	0.12
NVNT	b	2437	Ant1	99.53	0.02	0.12
NVNT	b	2462	Ant1	99.53	0.02	0.12
NVNT	g	2412	Ant1	97.08	0.13	0.72
NVNT	g	2437	Ant1	96.94	0.13	0.72
NVNT	g	2462	Ant1	96.94	0.13	0.72
NVNT	n20	2412	Ant1	96.88	0.14	0.77
NVNT	n20	2437	Ant1	96.88	0.14	0.77
NVNT	n20	2462	Ant1	96.73	0.14	0.77
NVNT	n40	2422	Ant1	93.64	0.29	1.54
NVNT	n40	2437	Ant1	93.93	0.27	1.54
NVNT	n40	2452	Ant1	93.93	0.27	1.54

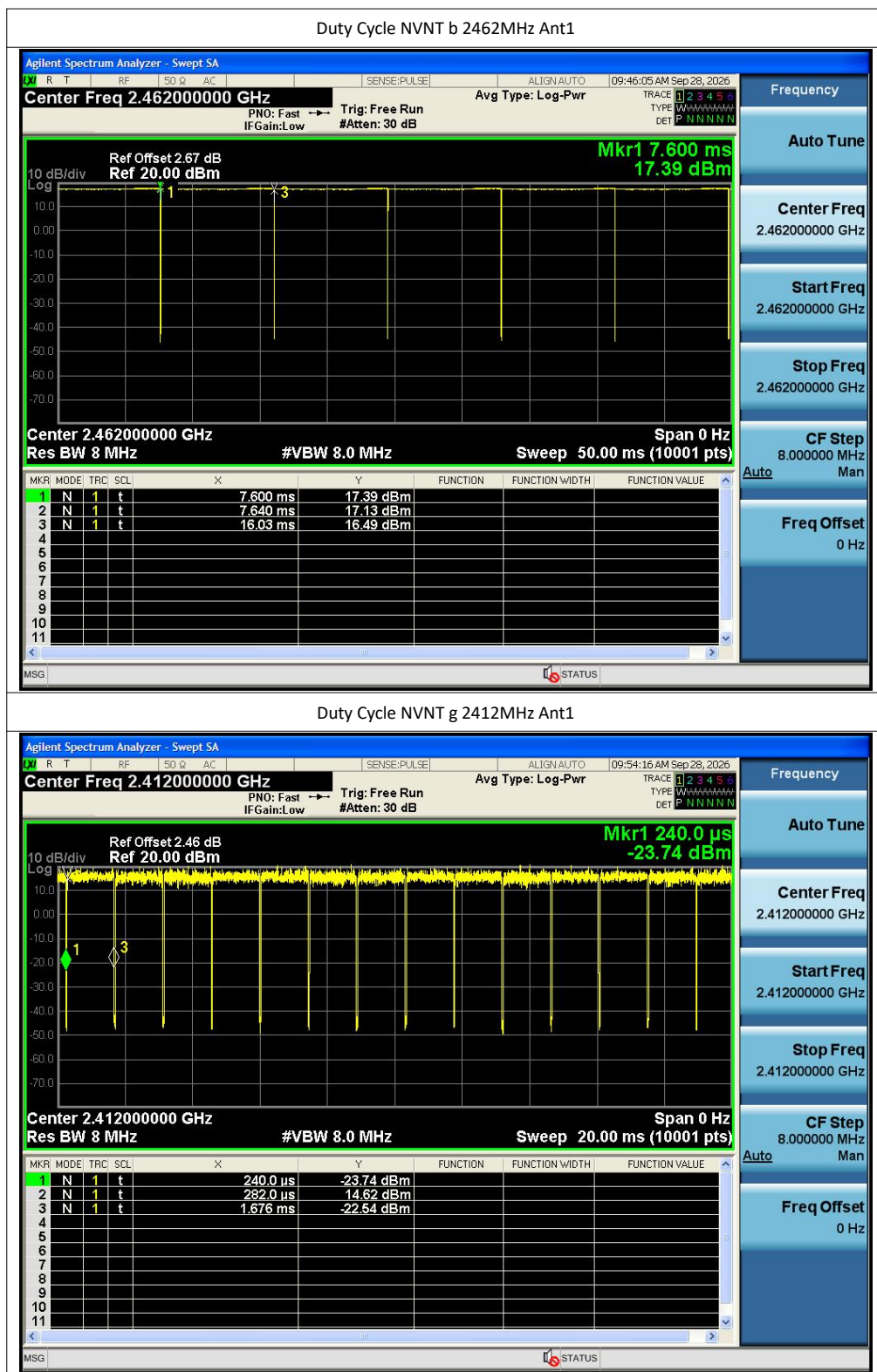
Test Graphs

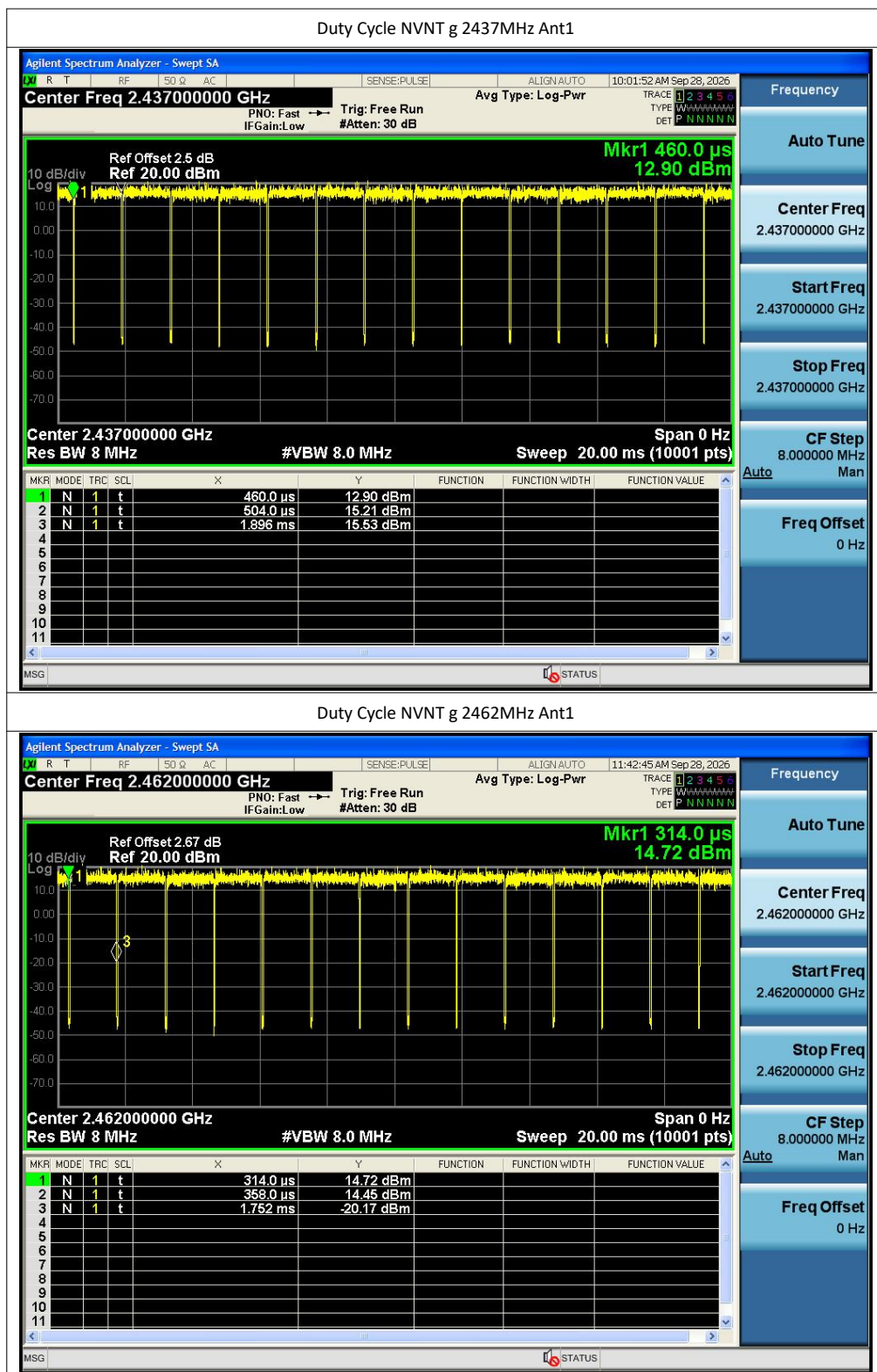
Duty Cycle NVNT b 2412MHz Ant1

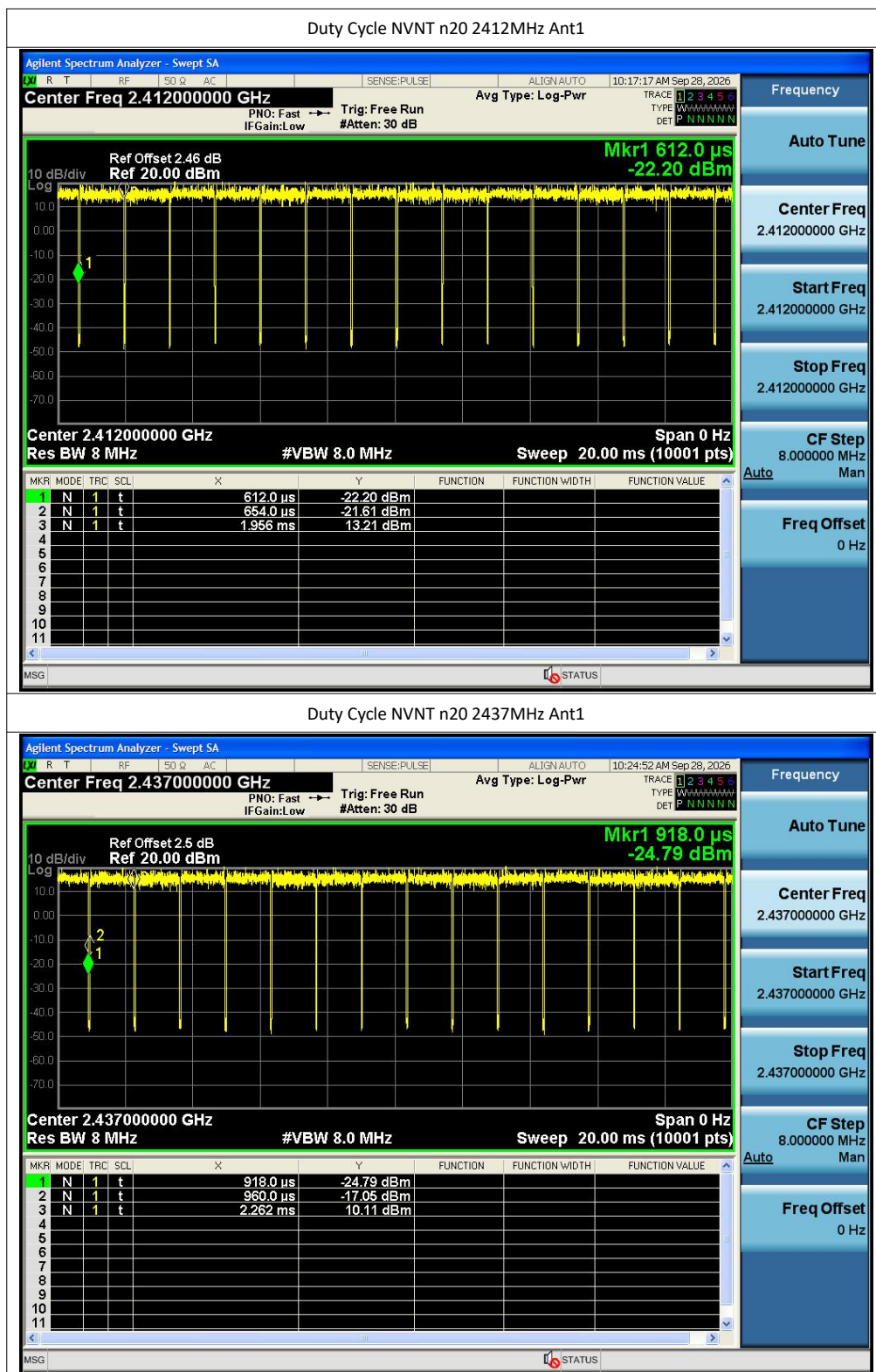


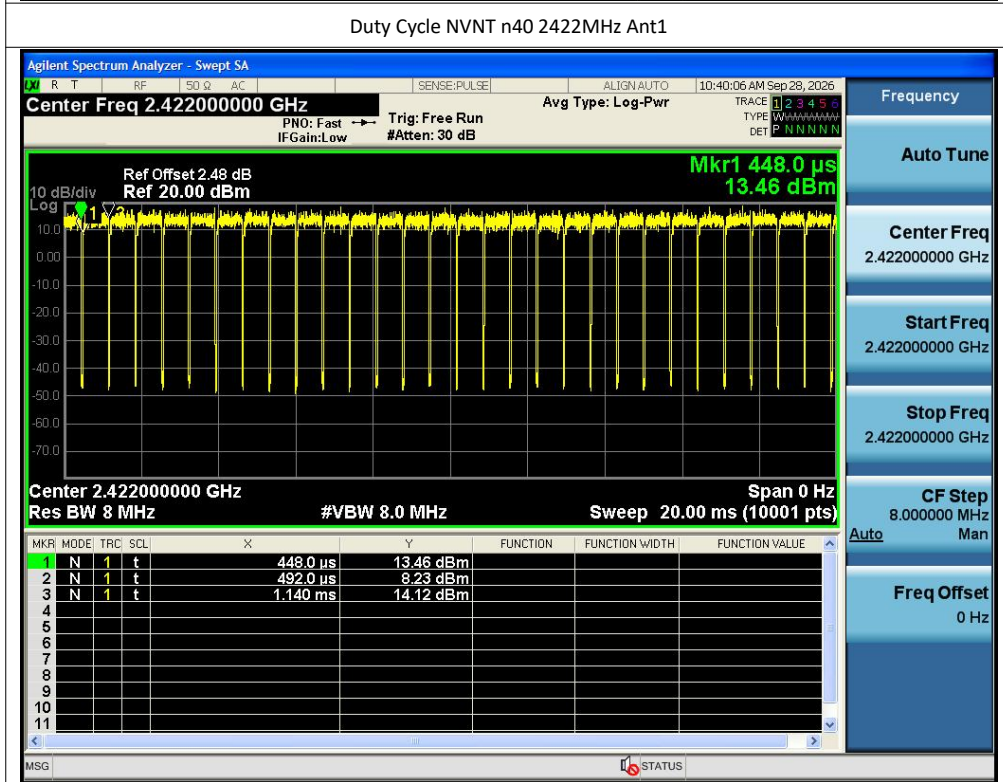
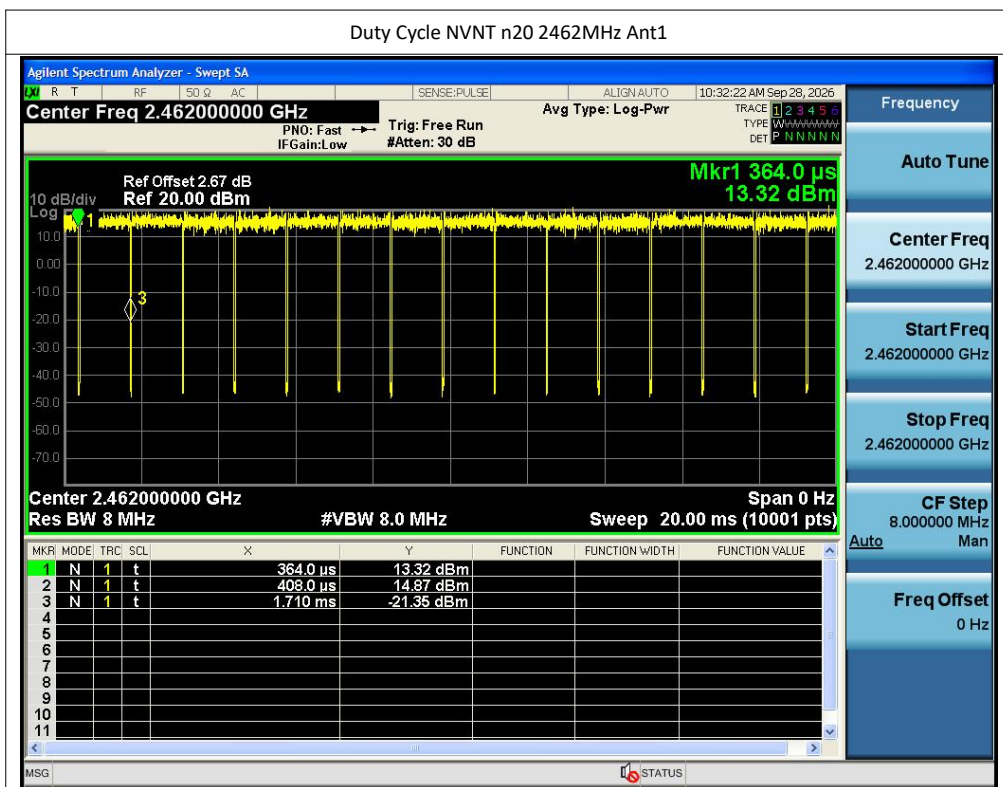
Duty Cycle NVNT b 2437MHz Ant1

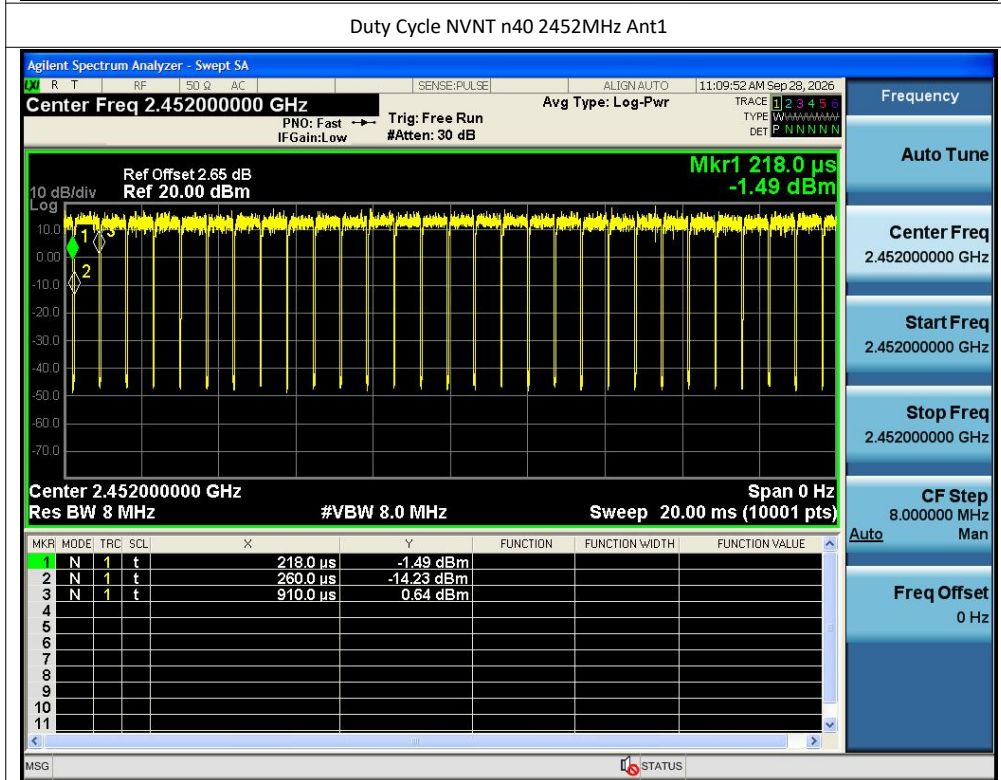
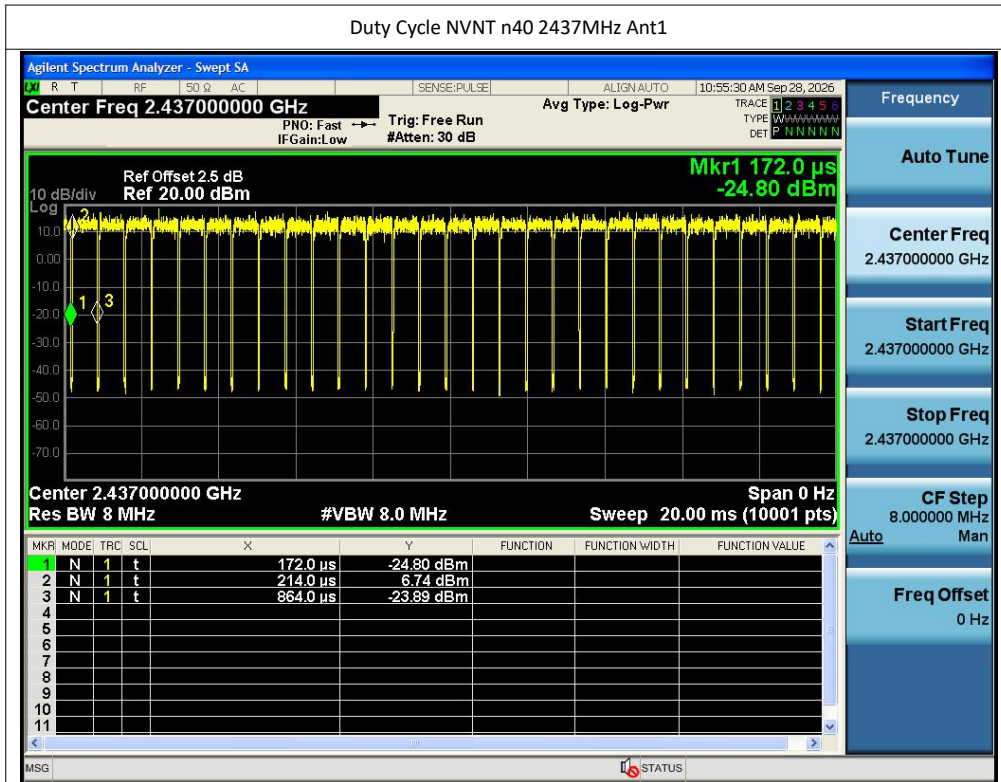










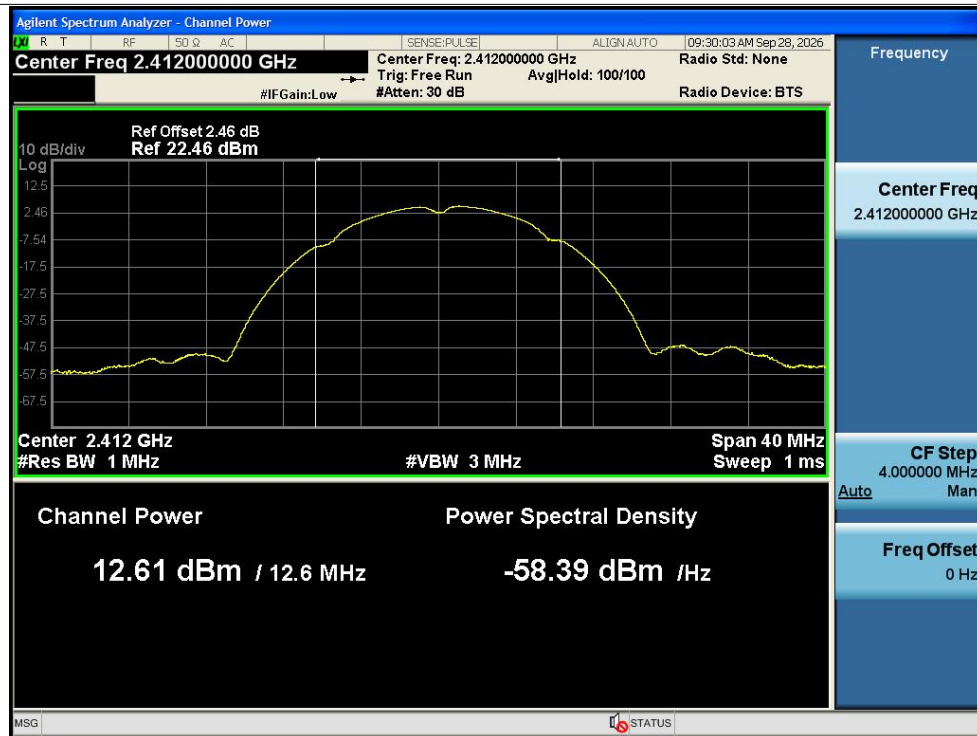


Maximum Conducted Output Power

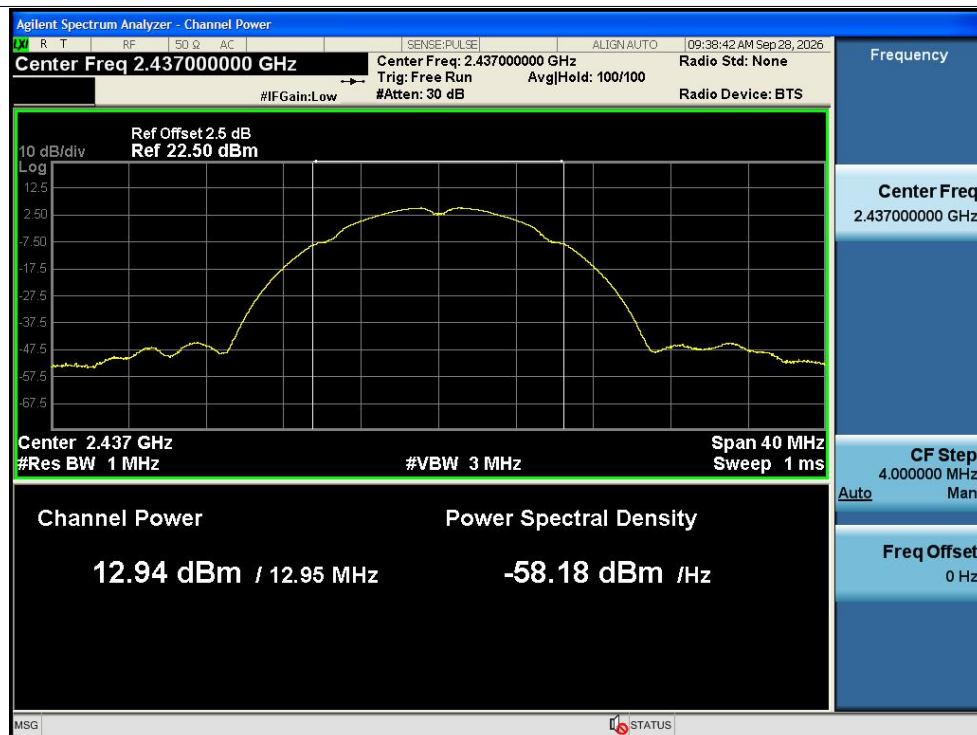
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	12.61	0.02	12.63	30	Pass
NVNT	b	2437	Ant1	12.94	0.02	12.96	30	Pass
NVNT	b	2462	Ant1	12.34	0.02	12.36	30	Pass
NVNT	g	2412	Ant1	12.43	0.13	12.56	30	Pass
NVNT	g	2437	Ant1	12.79	0.13	12.92	30	Pass
NVNT	g	2462	Ant1	12	0.13	12.13	30	Pass
NVNT	n20	2412	Ant1	12.33	0.14	12.47	30	Pass
NVNT	n20	2437	Ant1	12.71	0.14	12.85	30	Pass
NVNT	n20	2462	Ant1	12.65	0.14	12.79	30	Pass
NVNT	n40	2422	Ant1	11.9	0.29	12.19	30	Pass
NVNT	n40	2437	Ant1	12.01	0.27	12.28	30	Pass
NVNT	n40	2452	Ant1	11.9	0.27	12.17	30	Pass

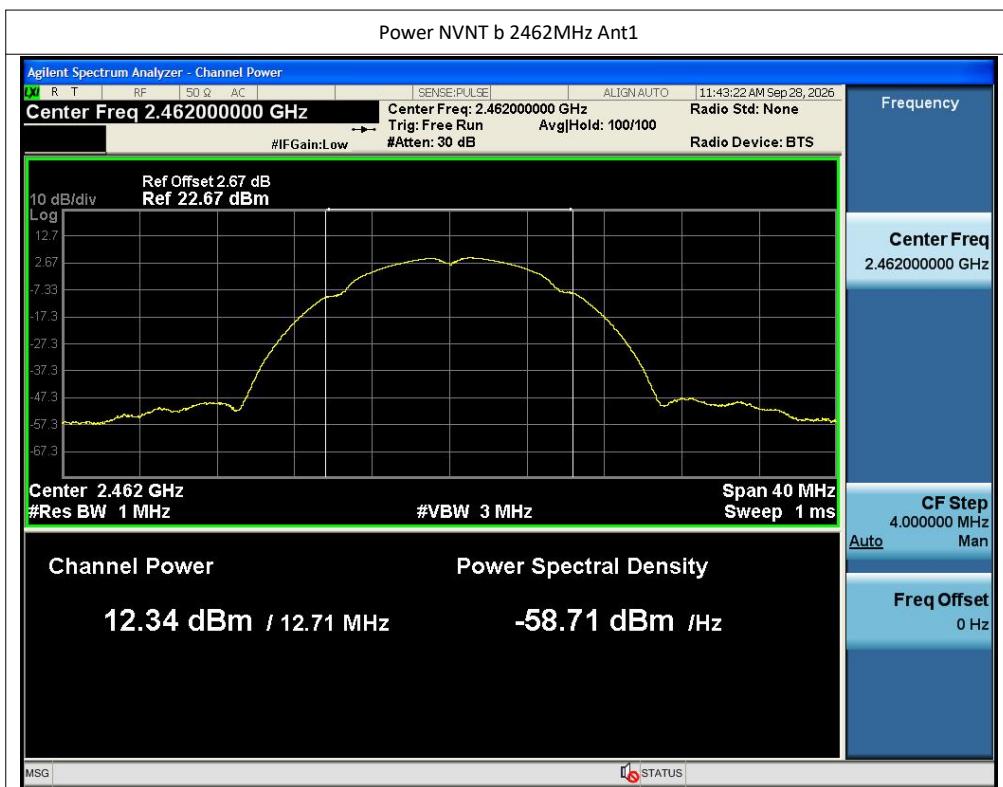
Test Graphs

Power NVNT b 2412MHz Ant1

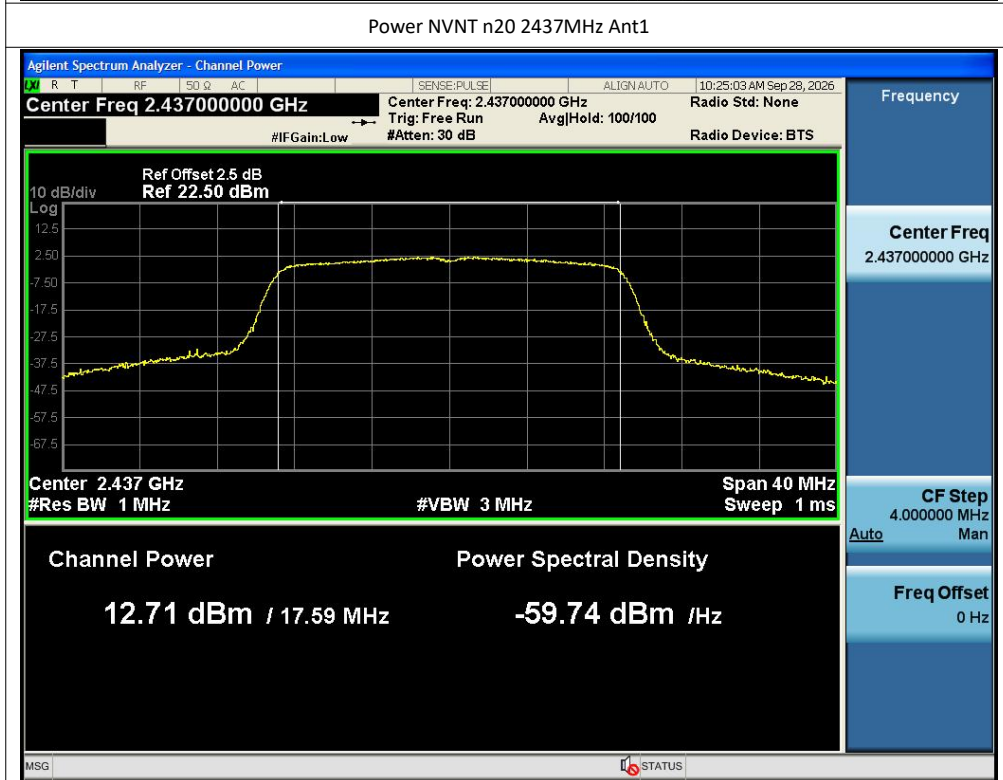
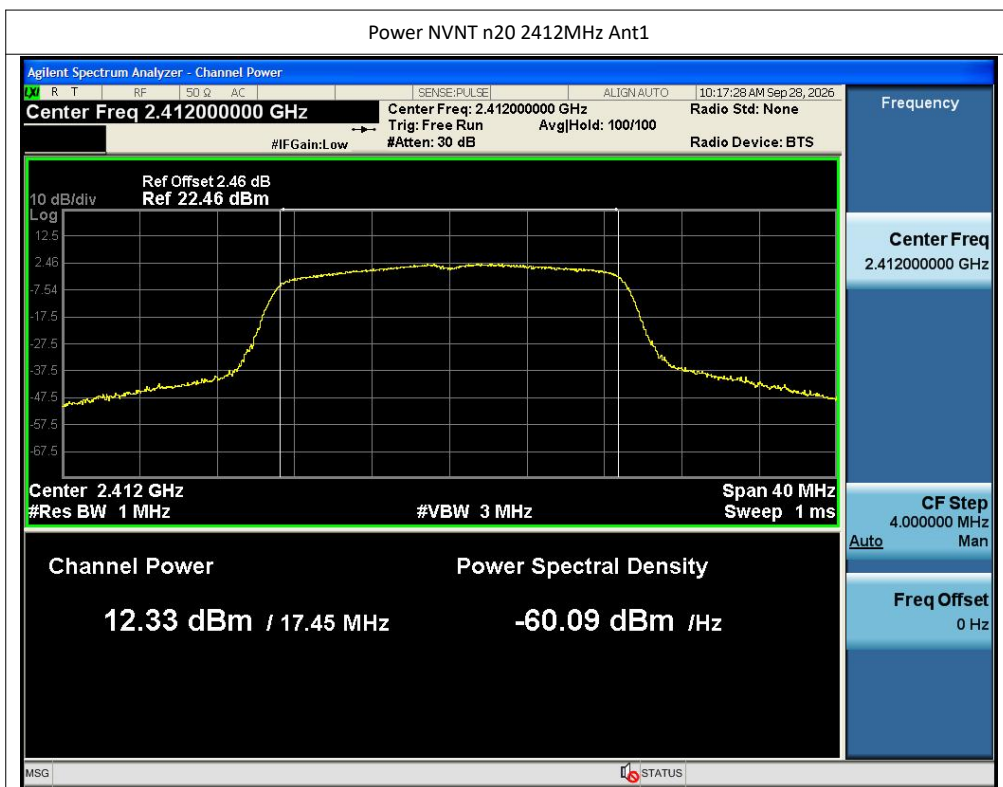


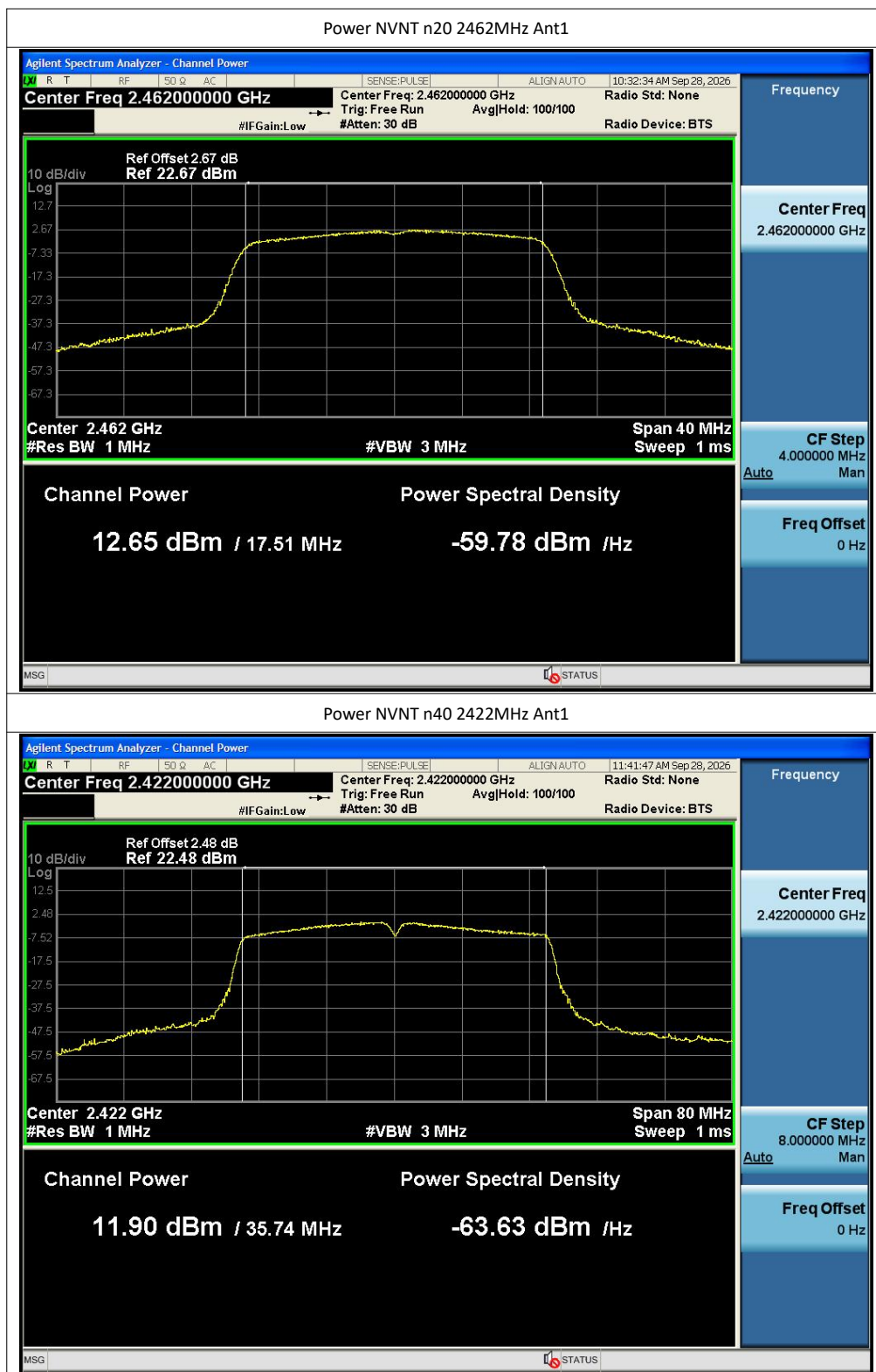
Power NVNT b 2437MHz Ant1

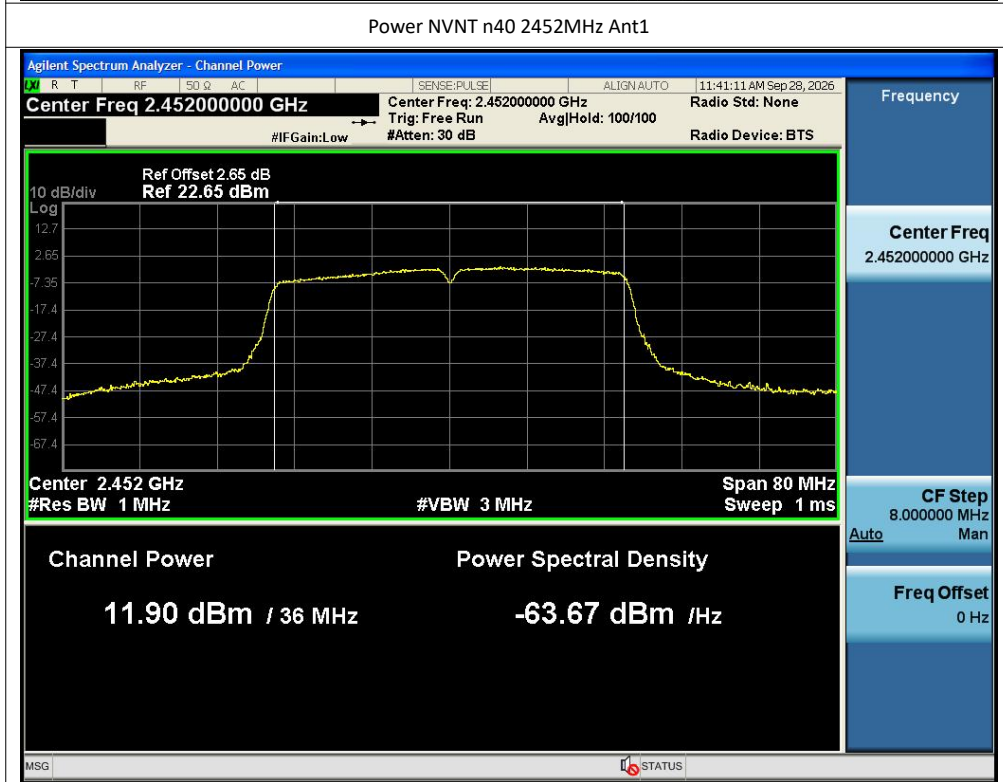
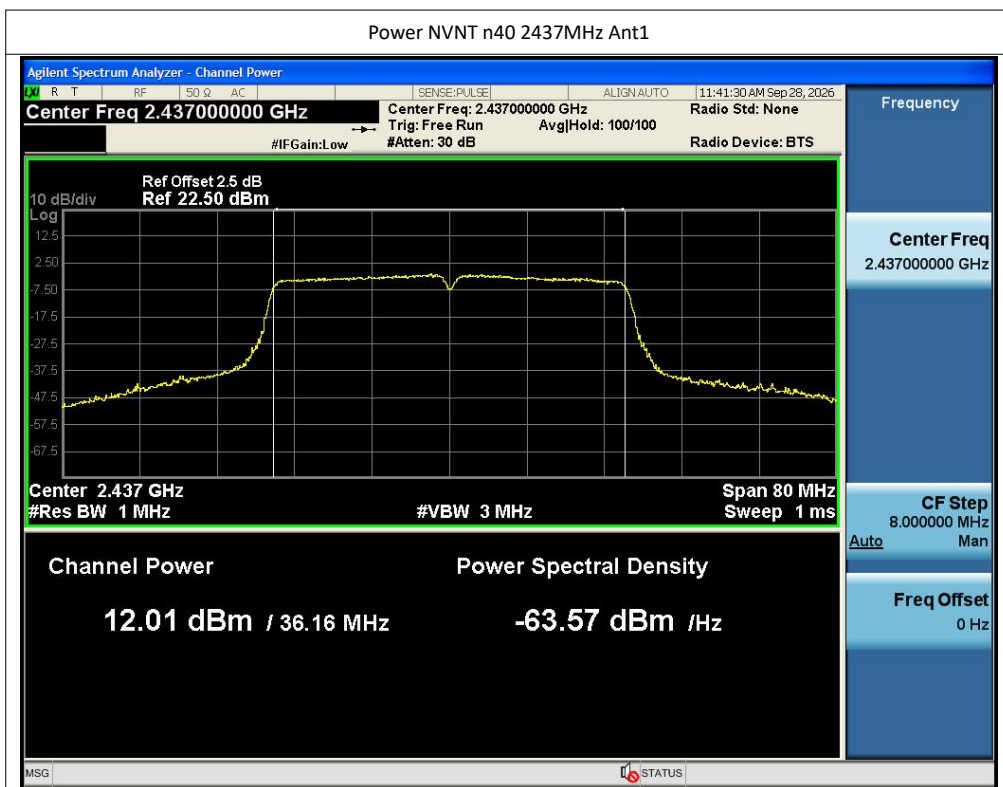












-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.123	0.5	Pass
NVNT	b	2437	Ant1	8.173	0.5	Pass
NVNT	b	2462	Ant1	8.146	0.5	Pass
NVNT	g	2412	Ant1	15.06	0.5	Pass
NVNT	g	2437	Ant1	16.25	0.5	Pass
NVNT	g	2462	Ant1	15.64	0.5	Pass
NVNT	n20	2412	Ant1	16.38	0.5	Pass
NVNT	n20	2437	Ant1	17.47	0.5	Pass
NVNT	n20	2462	Ant1	15.88	0.5	Pass
NVNT	n40	2422	Ant1	33.58	0.5	Pass
NVNT	n40	2437	Ant1	36.34	0.5	Pass
NVNT	n40	2452	Ant1	34.94	0.5	Pass

Test Graphs

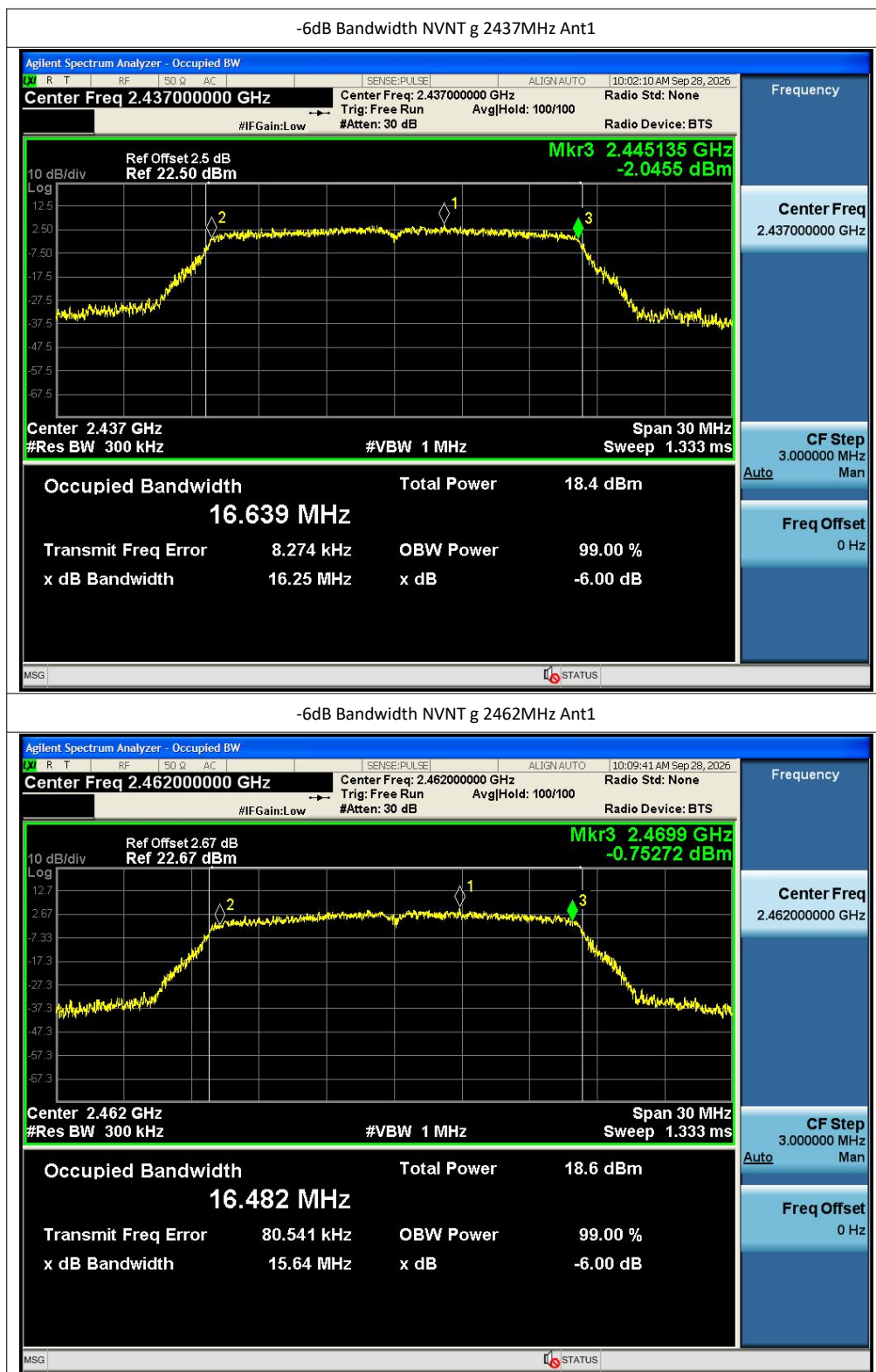
-6dB Bandwidth NVNT b 2412MHz Ant1



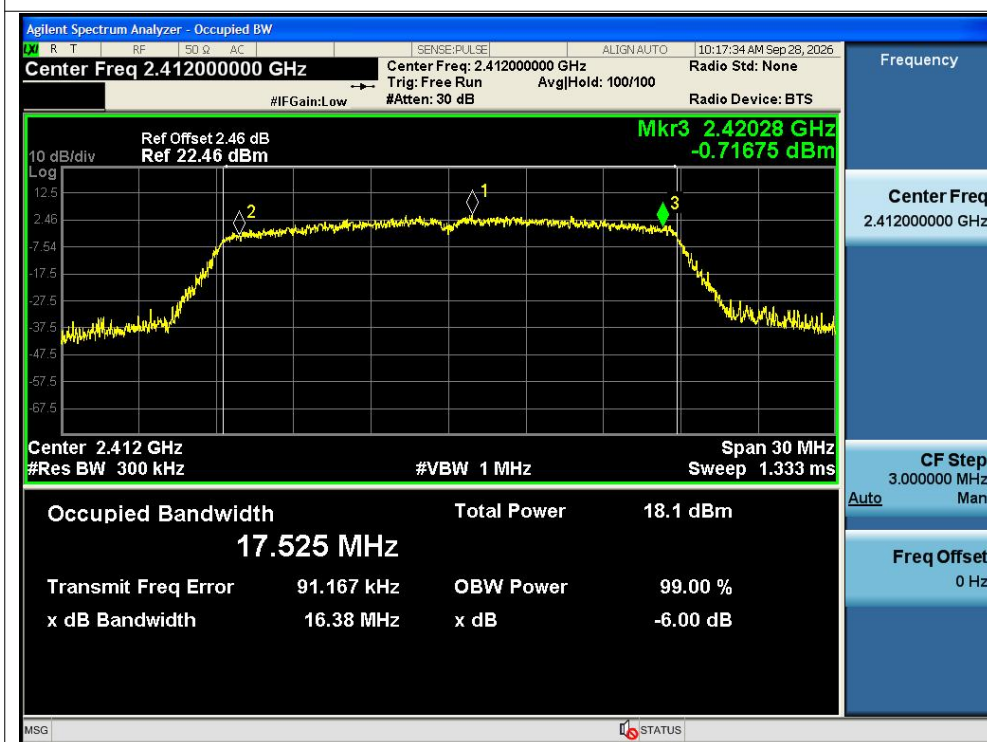
-6dB Bandwidth NVNT b 2437MHz Ant1



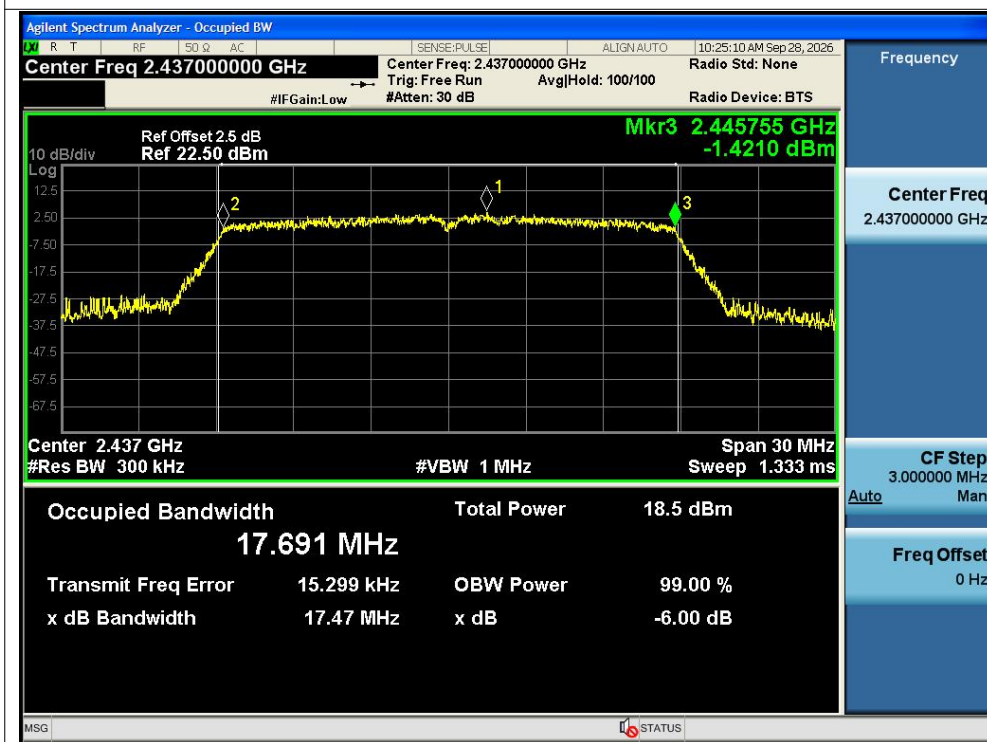


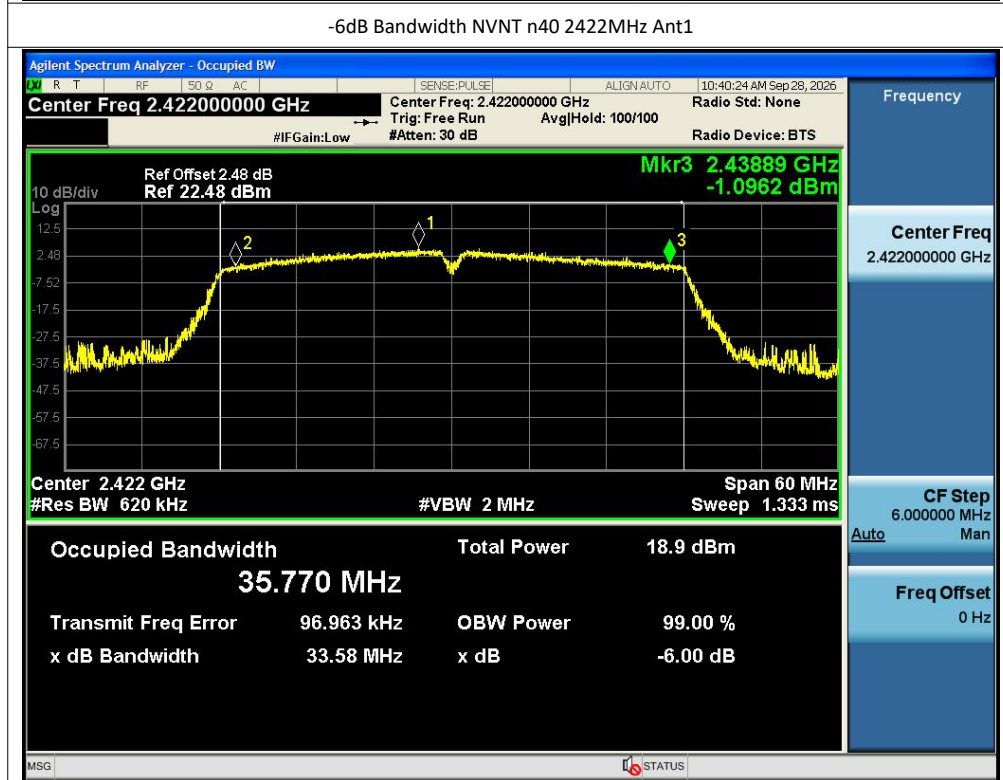
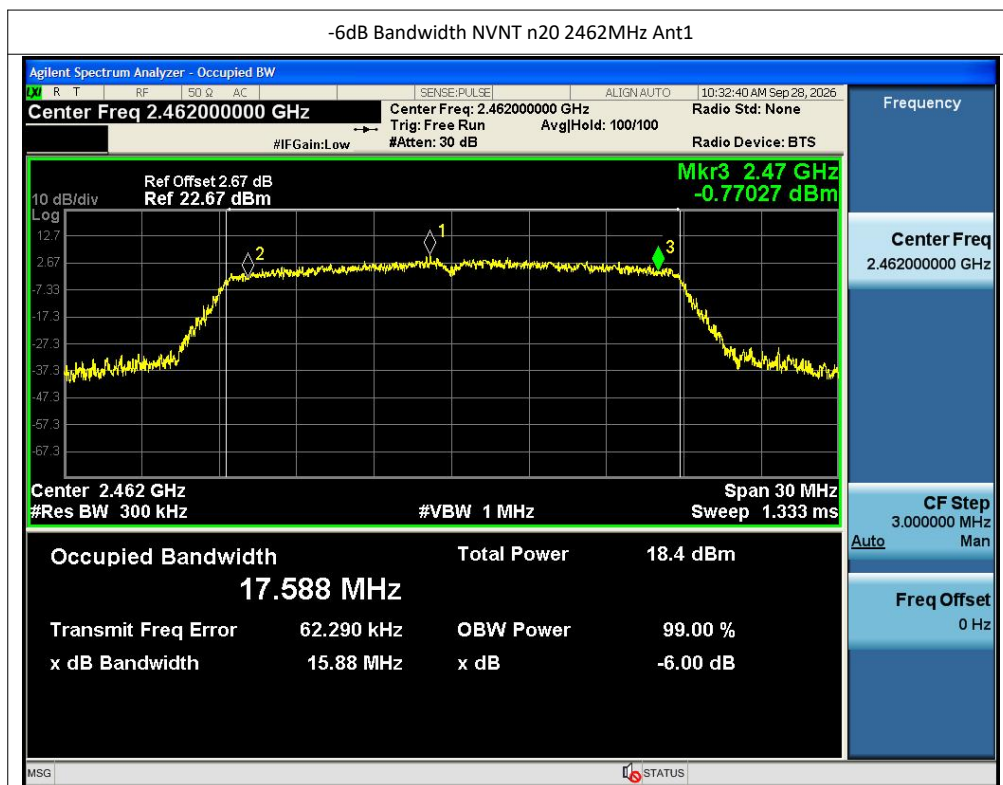


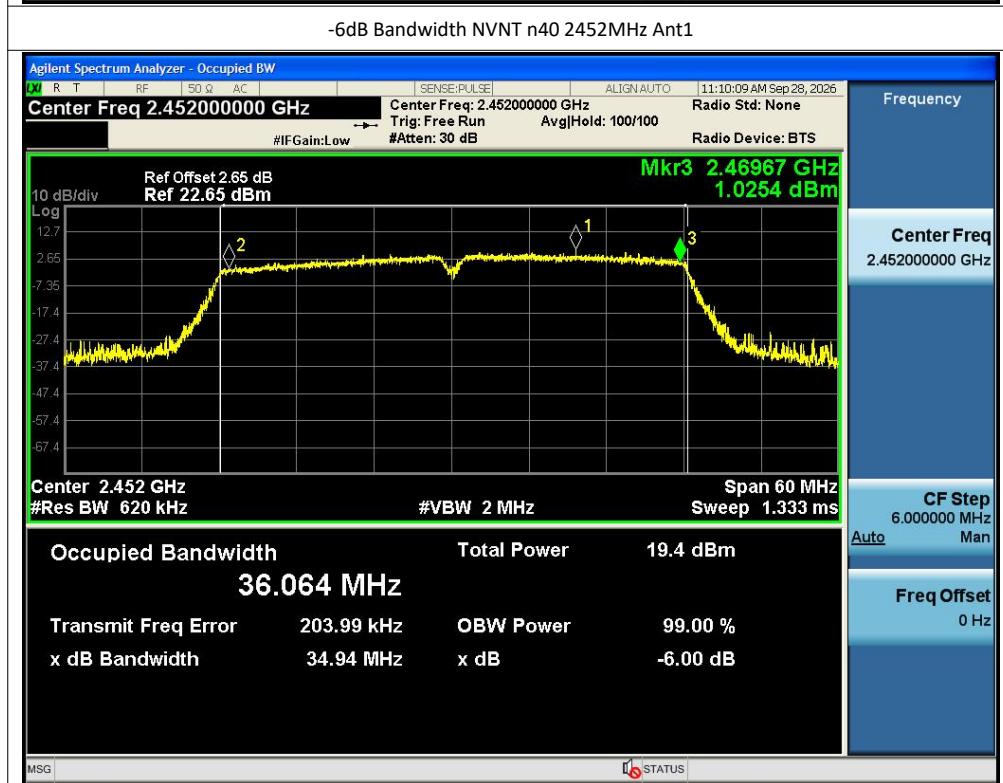
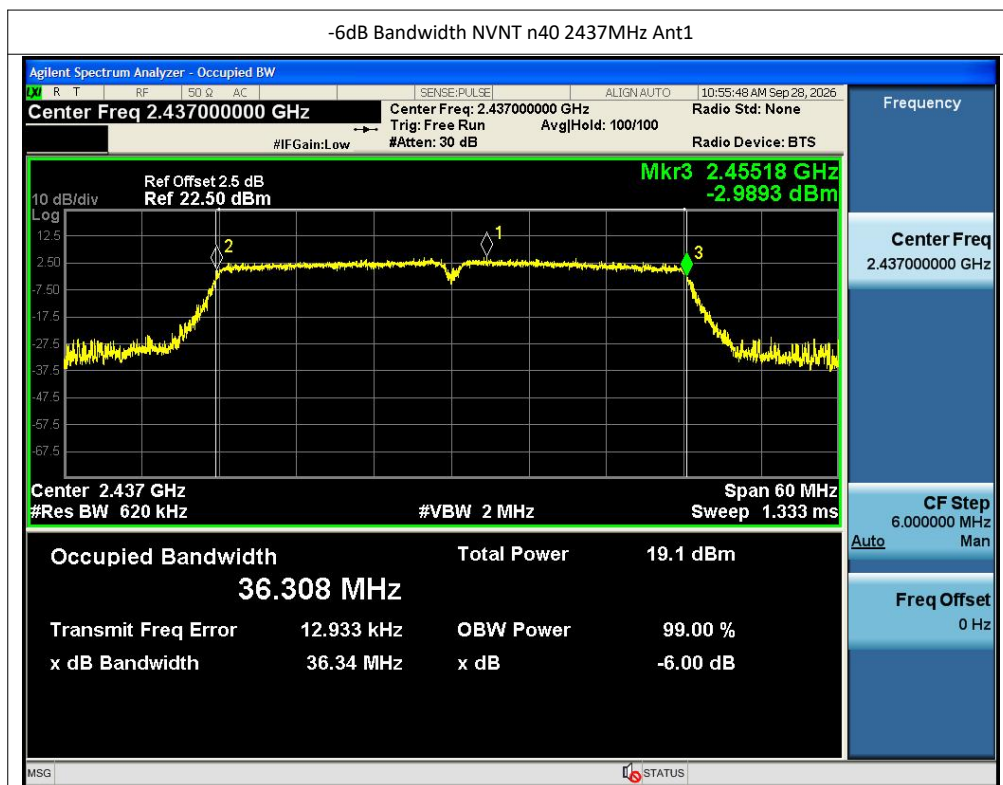
-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1







Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.597
NVNT	b	2437	Ant1	12.945
NVNT	b	2462	Ant1	12.71
NVNT	g	2412	Ant1	16.322
NVNT	g	2437	Ant1	16.464
NVNT	g	2462	Ant1	16.362
NVNT	n20	2412	Ant1	17.454
NVNT	n20	2437	Ant1	17.589
NVNT	n20	2462	Ant1	17.514
NVNT	n40	2422	Ant1	35.742
NVNT	n40	2437	Ant1	36.158
NVNT	n40	2452	Ant1	36.002