

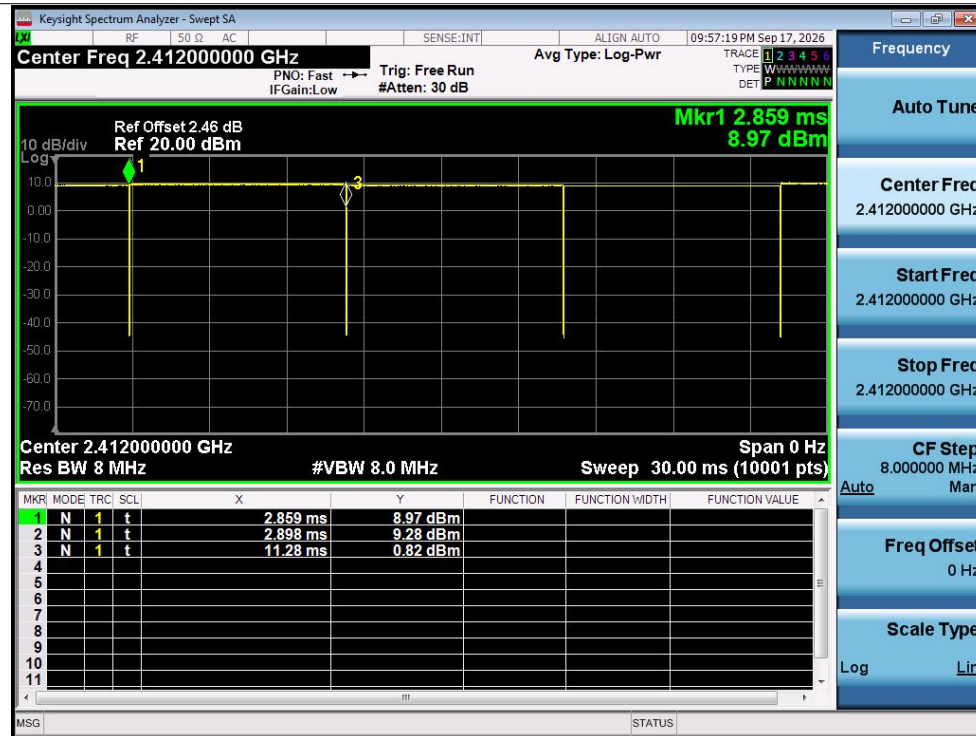
Appendix F_2.4G WIFI

Duty Cycle

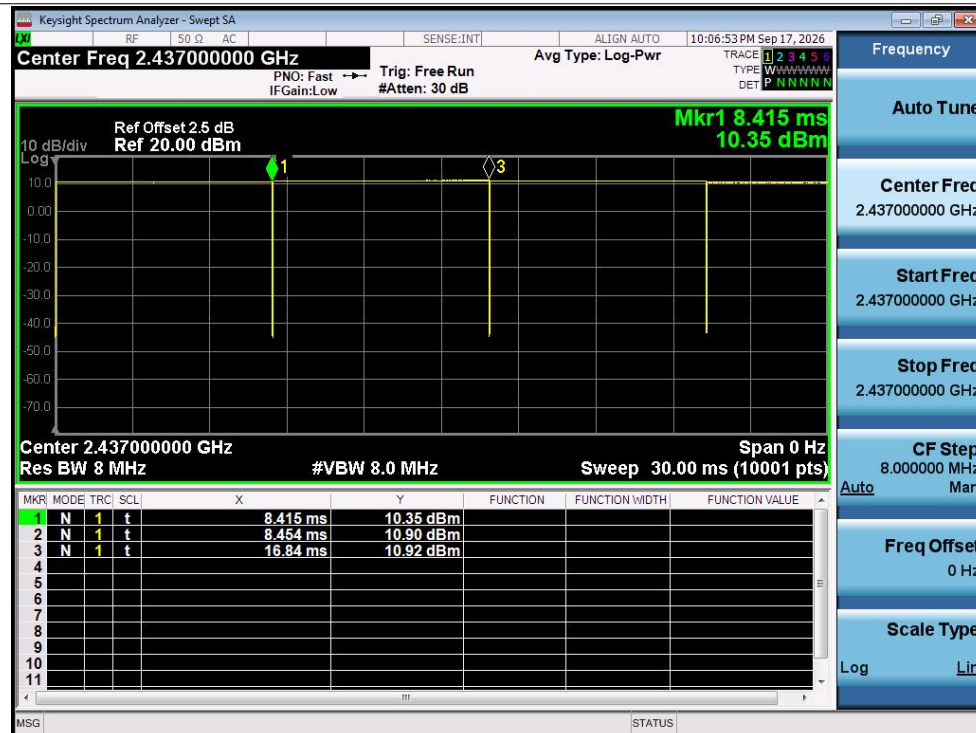
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.54	0.02	0.12
NVNT	b	2437	Ant1	99.54	0.02	0.12
NVNT	b	2462	Ant1	99.54	0.02	0.12
NVNT	g	2412	Ant1	96.94	0.13	0.72
NVNT	g	2437	Ant1	96.8	0.14	0.72
NVNT	g	2462	Ant1	96.94	0.13	0.72
NVNT	n20	2412	Ant1	96.73	0.14	0.77
NVNT	n20	2437	Ant1	96.73	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	93.64	0.29	1.54
NVNT	n40	2452	Ant1	93.64	0.29	1.54

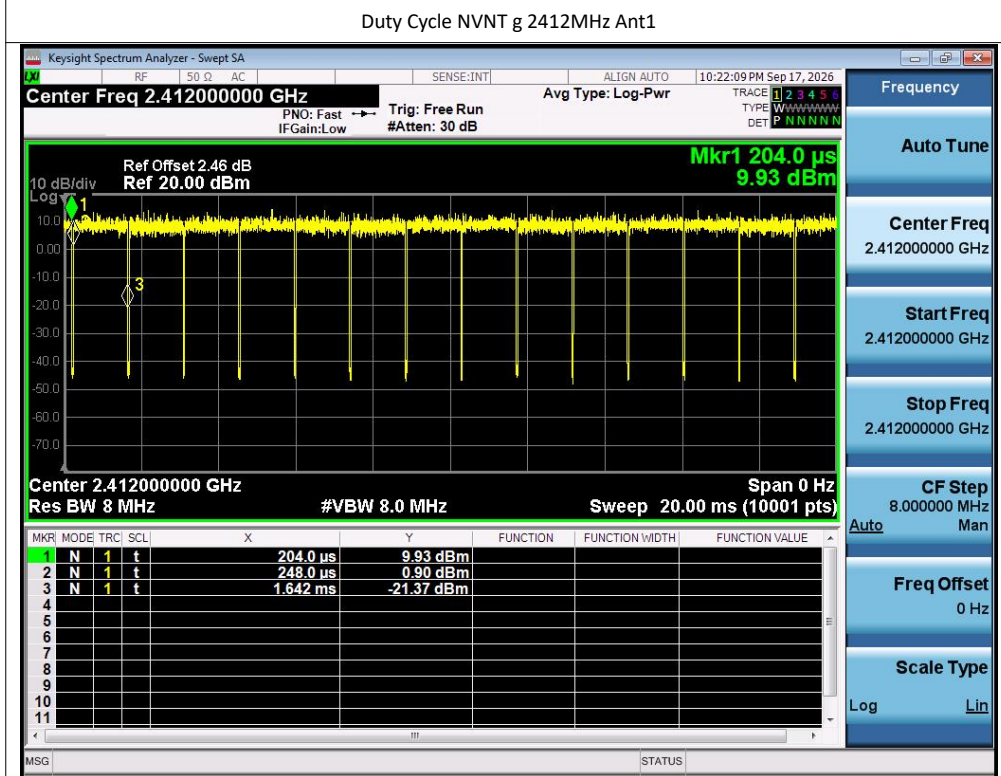
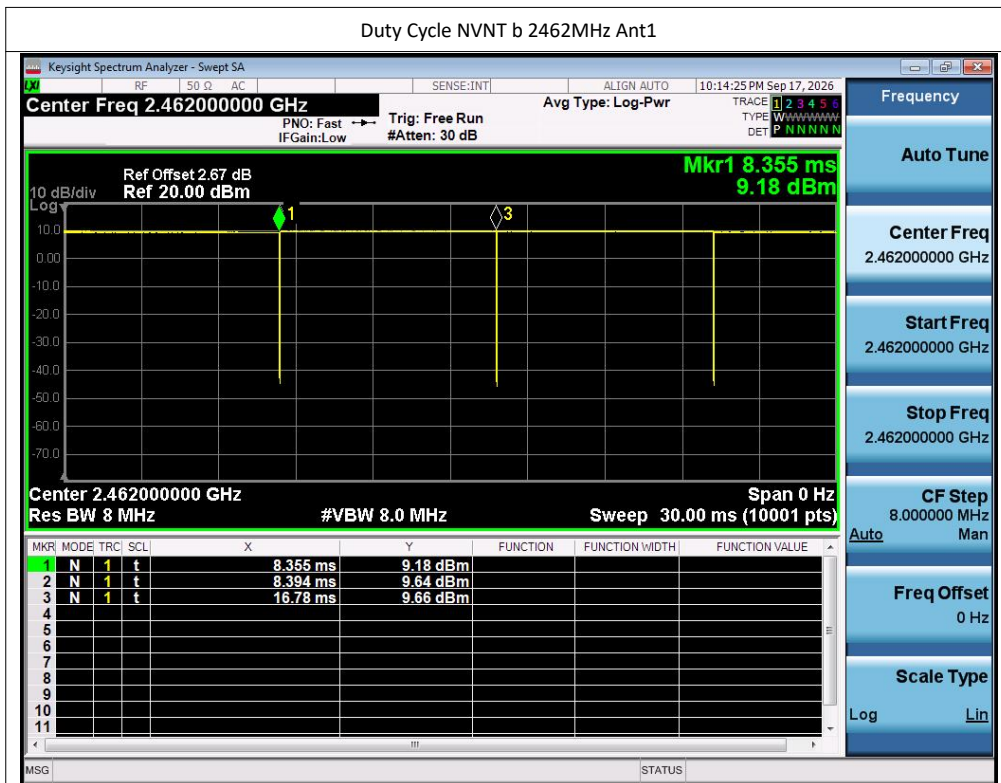
Test Graphs

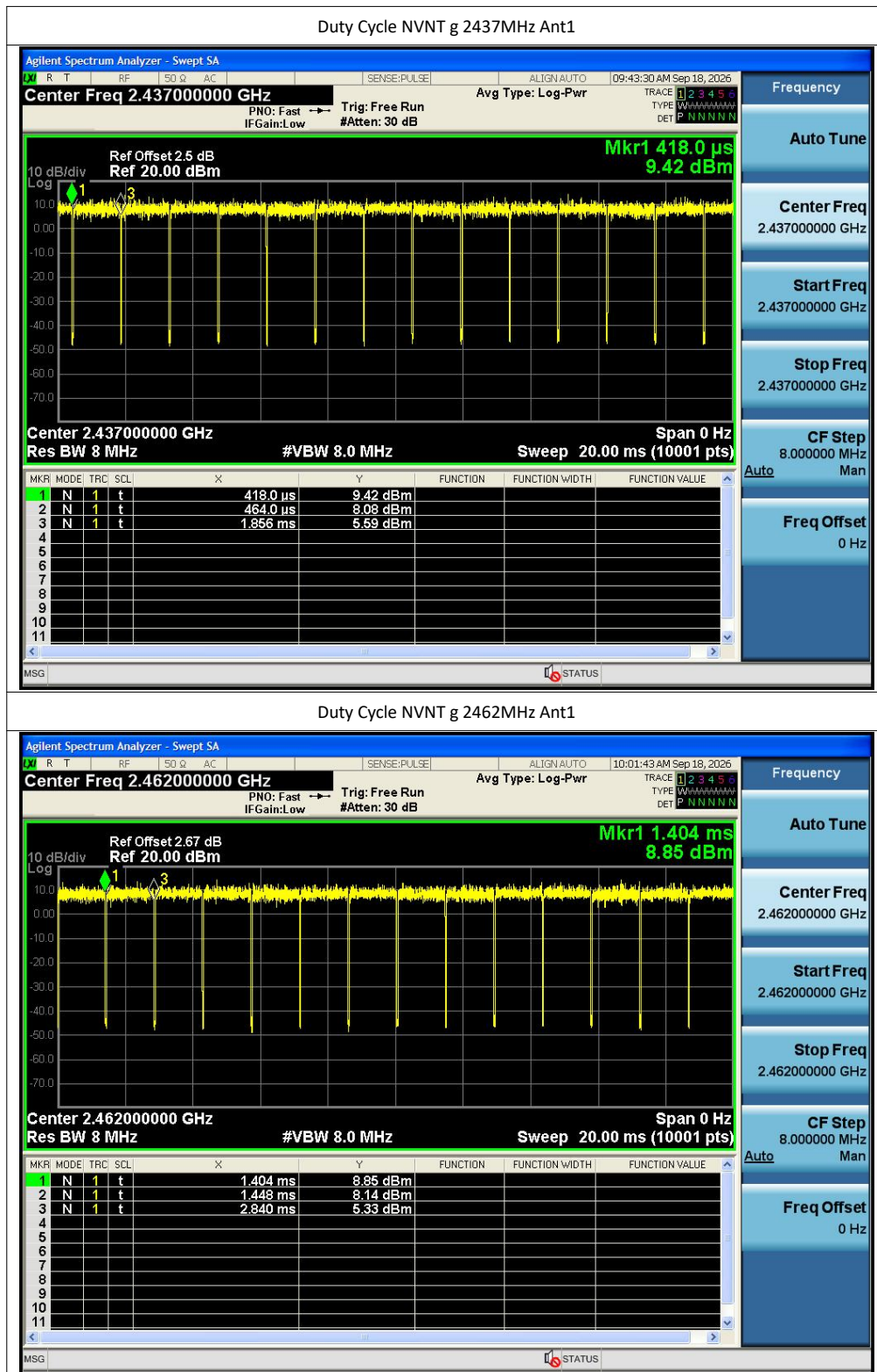
Duty Cycle NVNT b 2412MHz Ant1



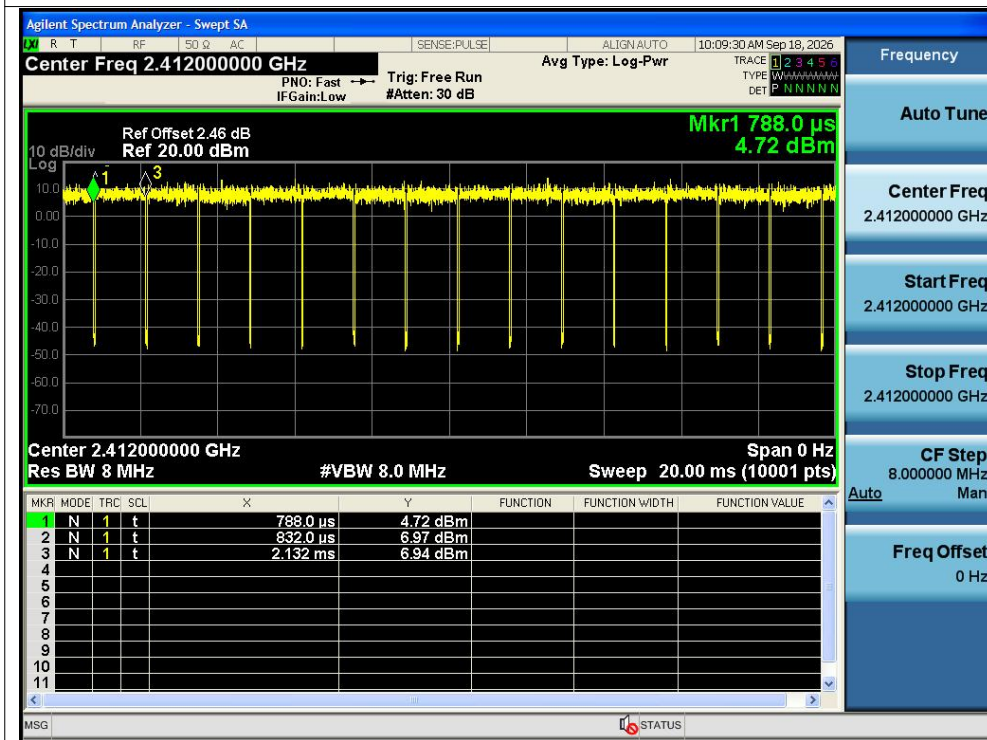
Duty Cycle NVNT b 2437MHz Ant1



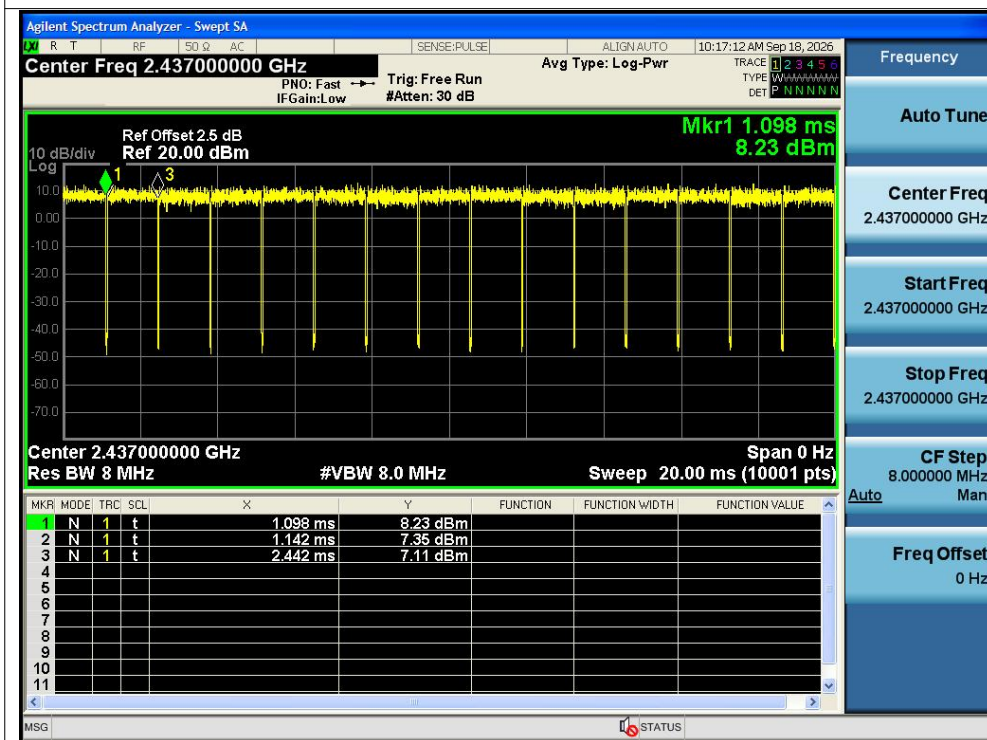




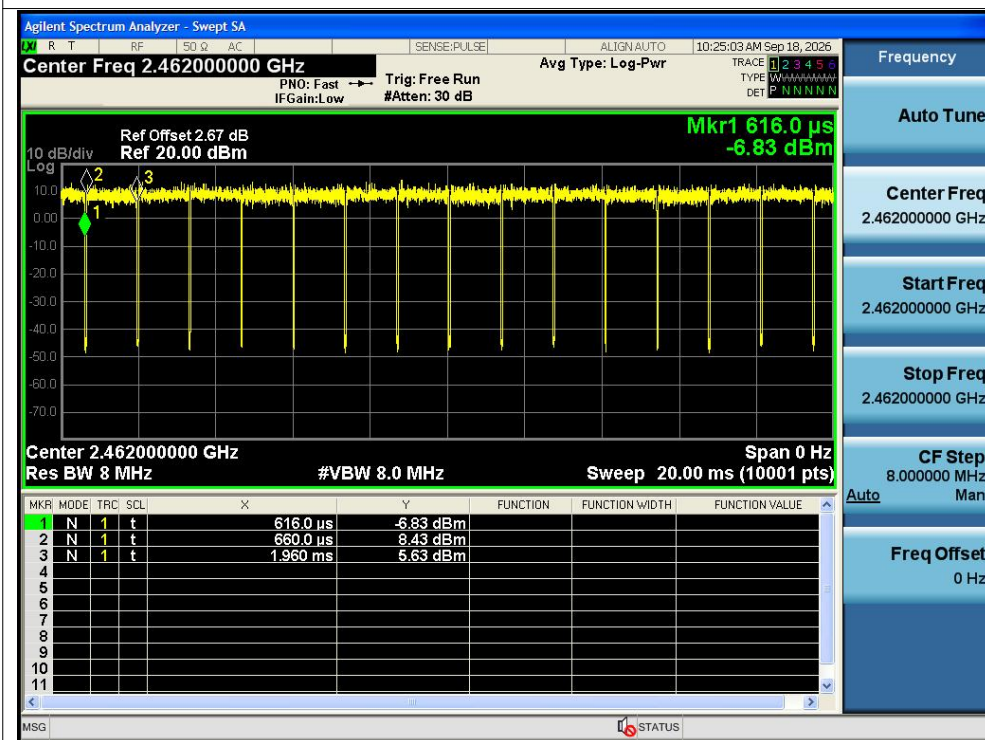
Duty Cycle NVNT n20 2412MHz Ant1



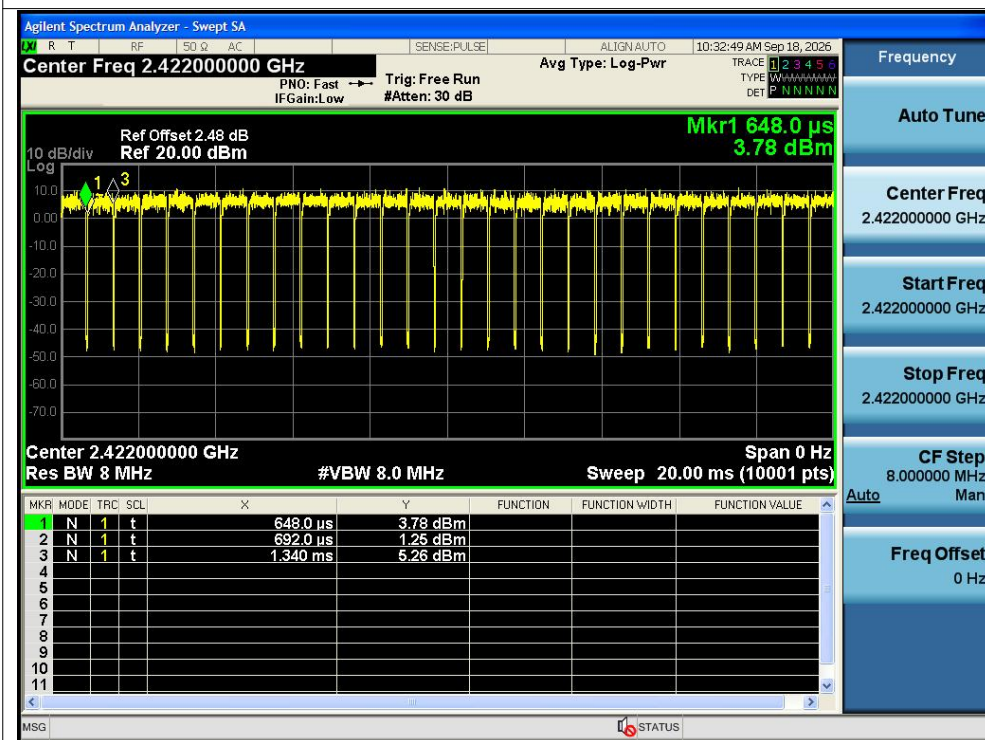
Duty Cycle NVNT n20 2437MHz Ant1



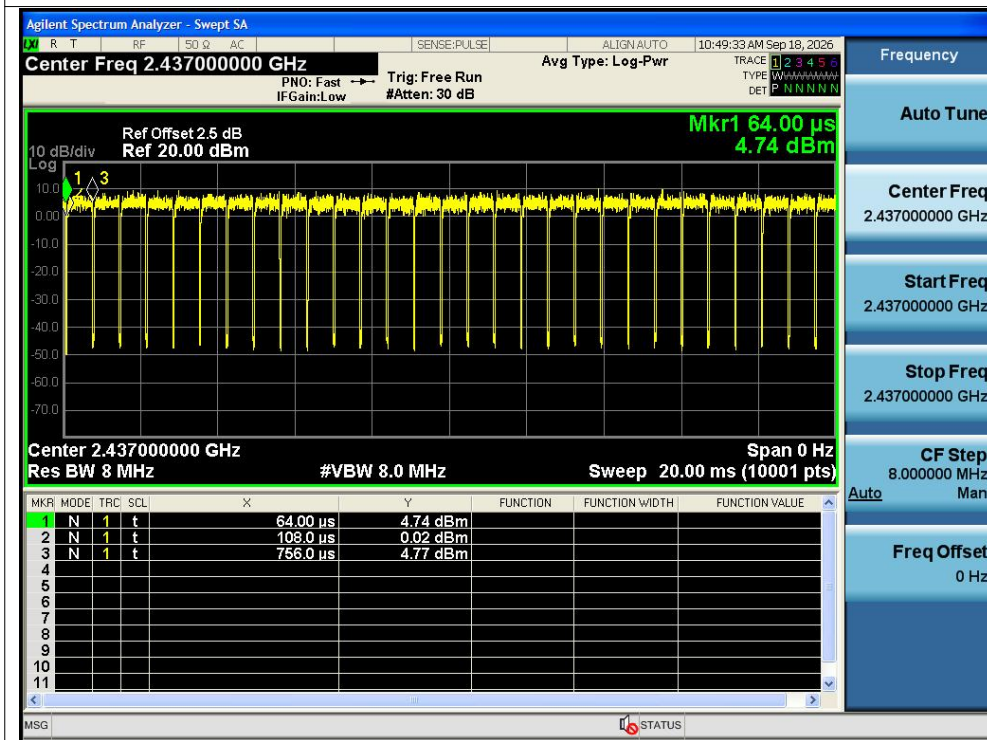
Duty Cycle NVNT n20 2462MHz Ant1



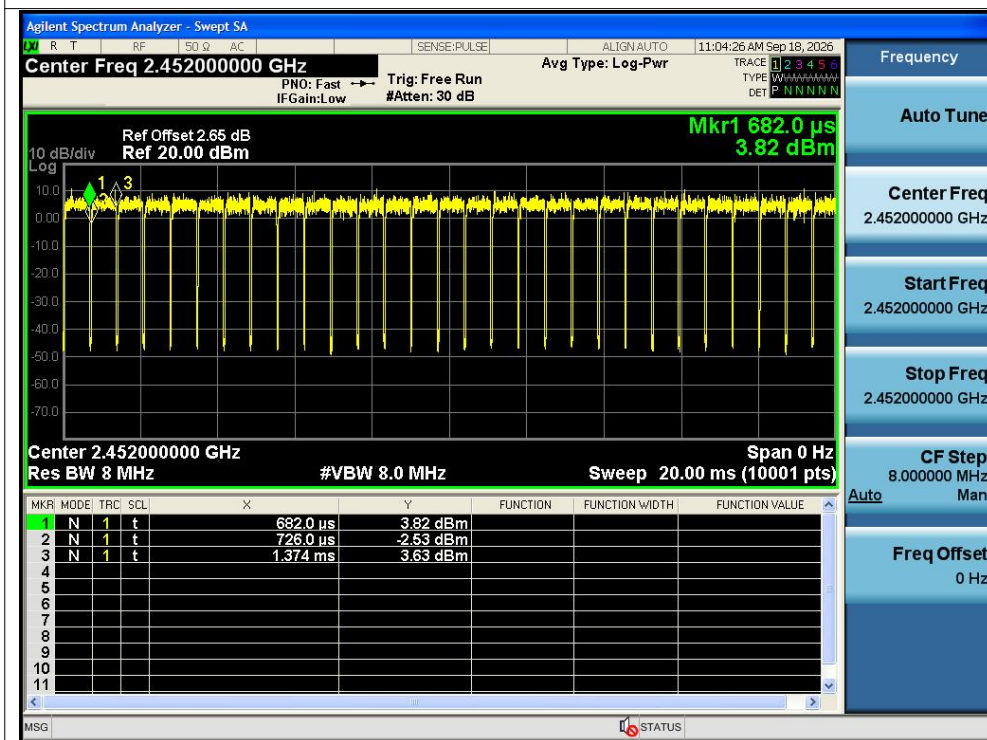
Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



Duty Cycle NVNT n40 2452MHz Ant1

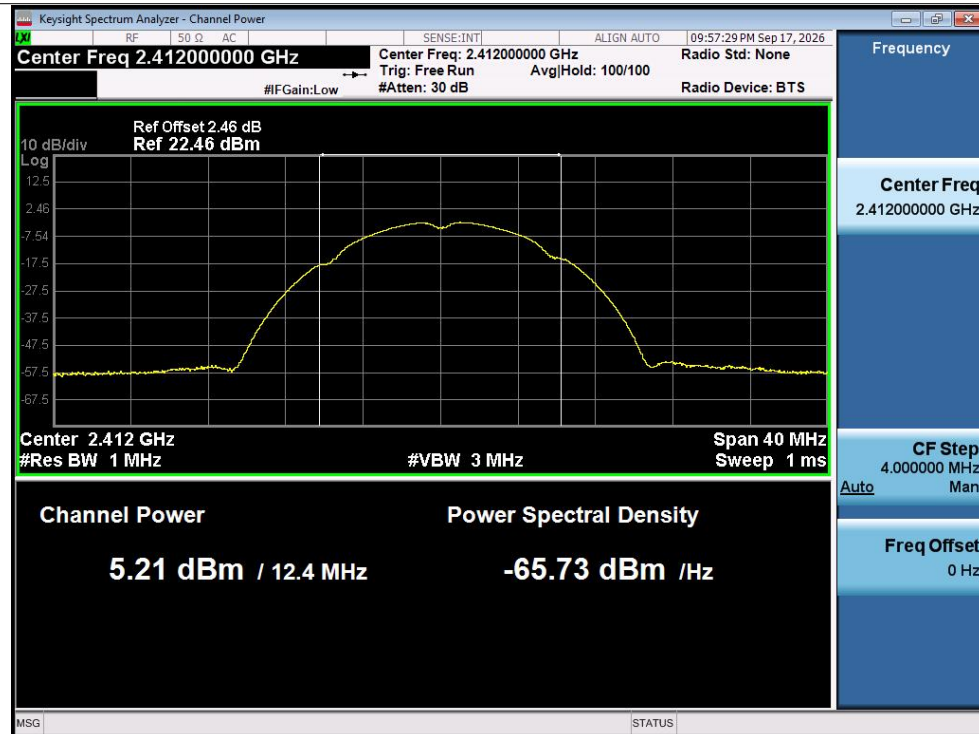


Maximum Conducted Output Power

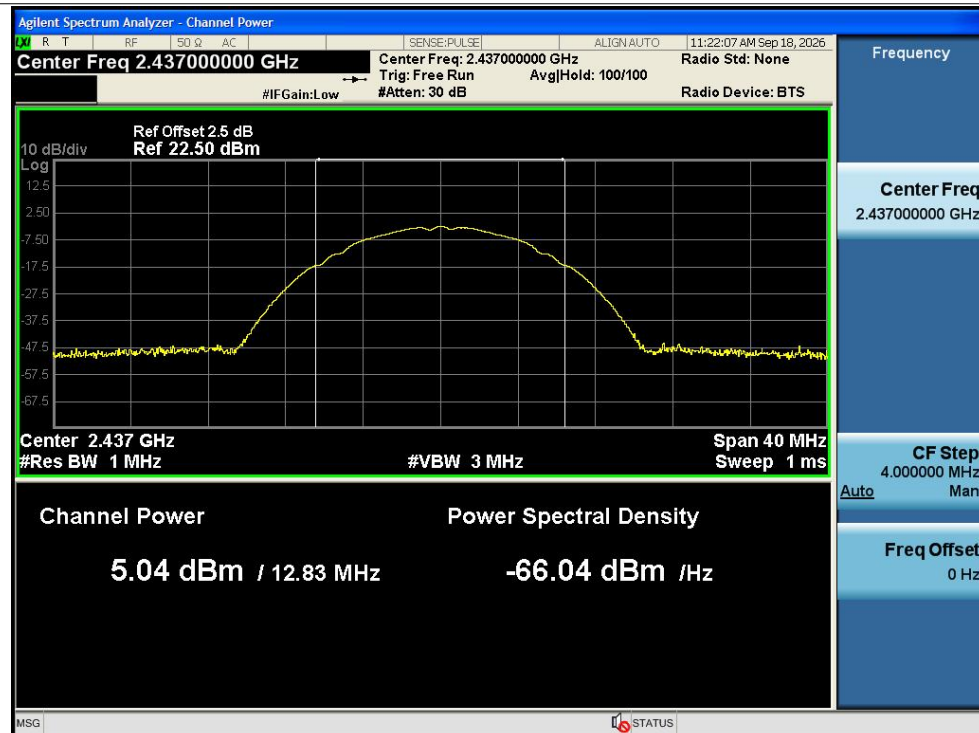
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	5.21	0.02	5.23	30	Pass
NVNT	b	2437	Ant1	5.02	0.02	5.04	30	Pass
NVNT	b	2462	Ant1	5.48	0.02	5.5	30	Pass
NVNT	g	2412	Ant1	5.16	0.13	5.29	30	Pass
NVNT	g	2437	Ant1	5.24	0.14	5.38	30	Pass
NVNT	g	2462	Ant1	5.63	0.13	5.76	30	Pass
NVNT	n20	2412	Ant1	4.95	0.14	5.09	30	Pass
NVNT	n20	2437	Ant1	5.28	0.14	5.42	30	Pass
NVNT	n20	2462	Ant1	5.38	0.14	5.52	30	Pass
NVNT	n40	2422	Ant1	5.55	0.29	5.84	30	Pass
NVNT	n40	2437	Ant1	5.33	0.29	5.62	30	Pass
NVNT	n40	2452	Ant1	5.23	0.29	5.52	30	Pass

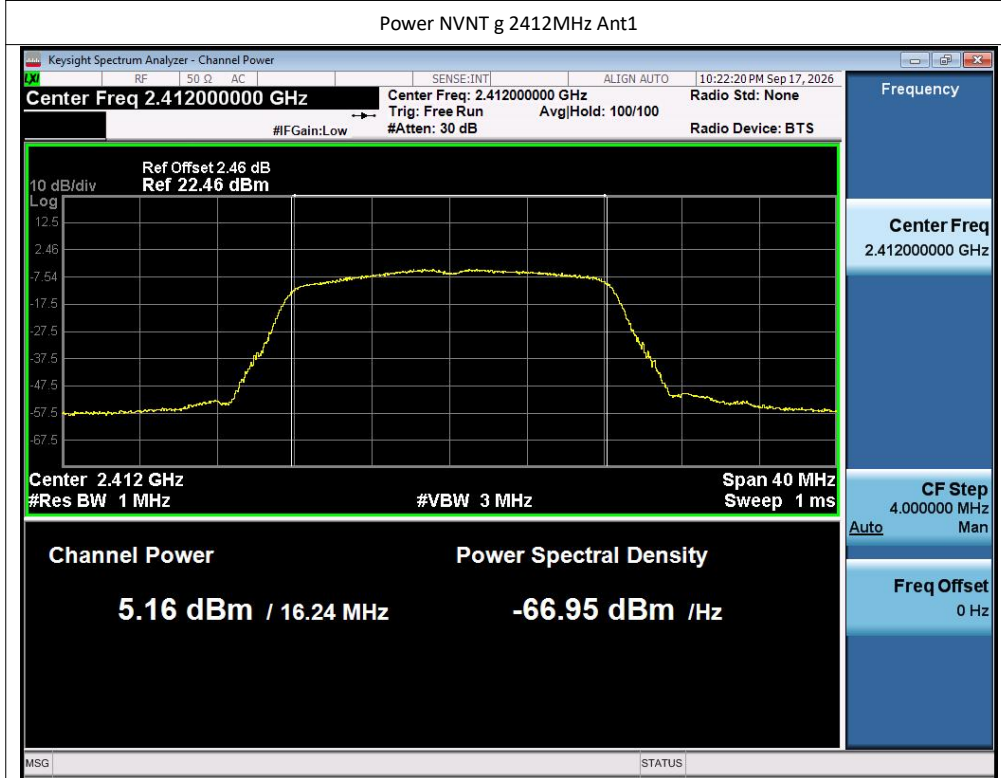
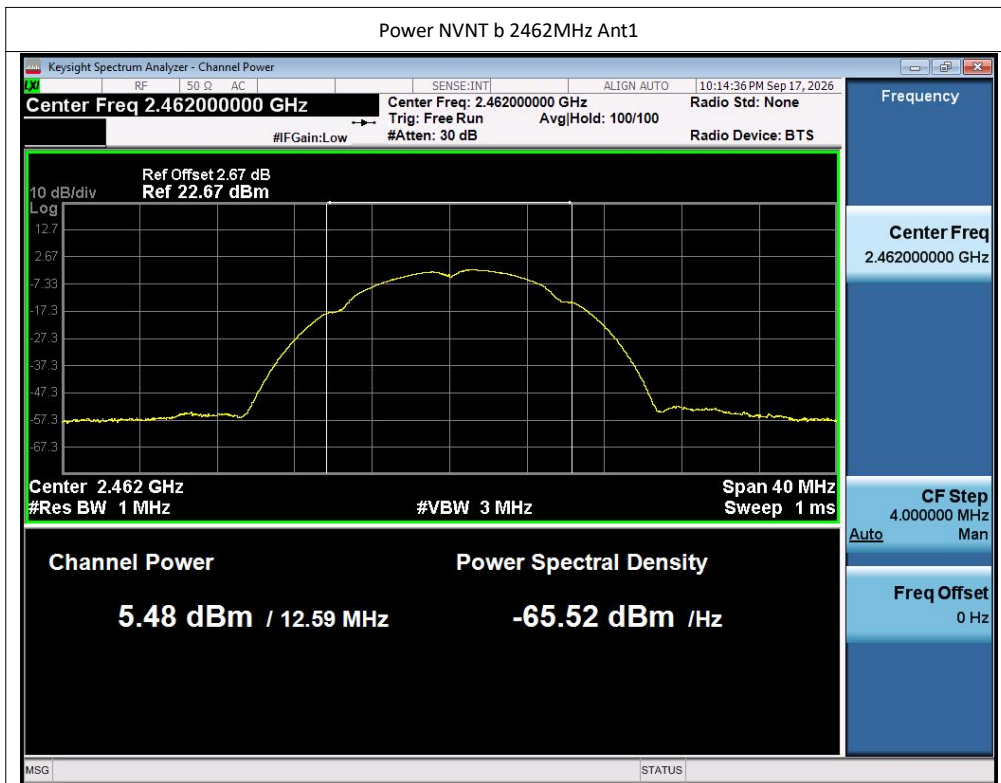
Test Graphs

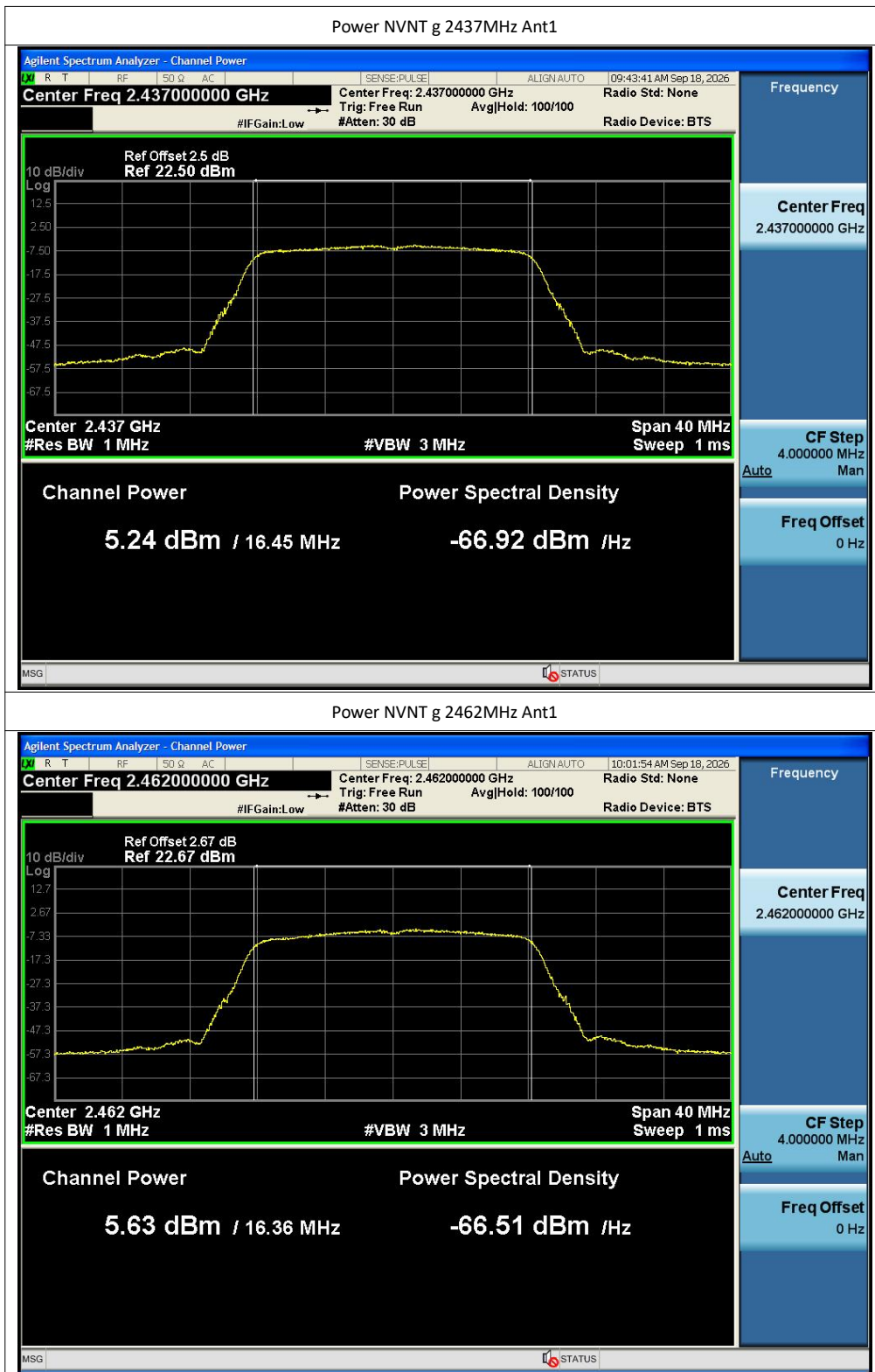
Power NVNT b 2412MHz Ant1

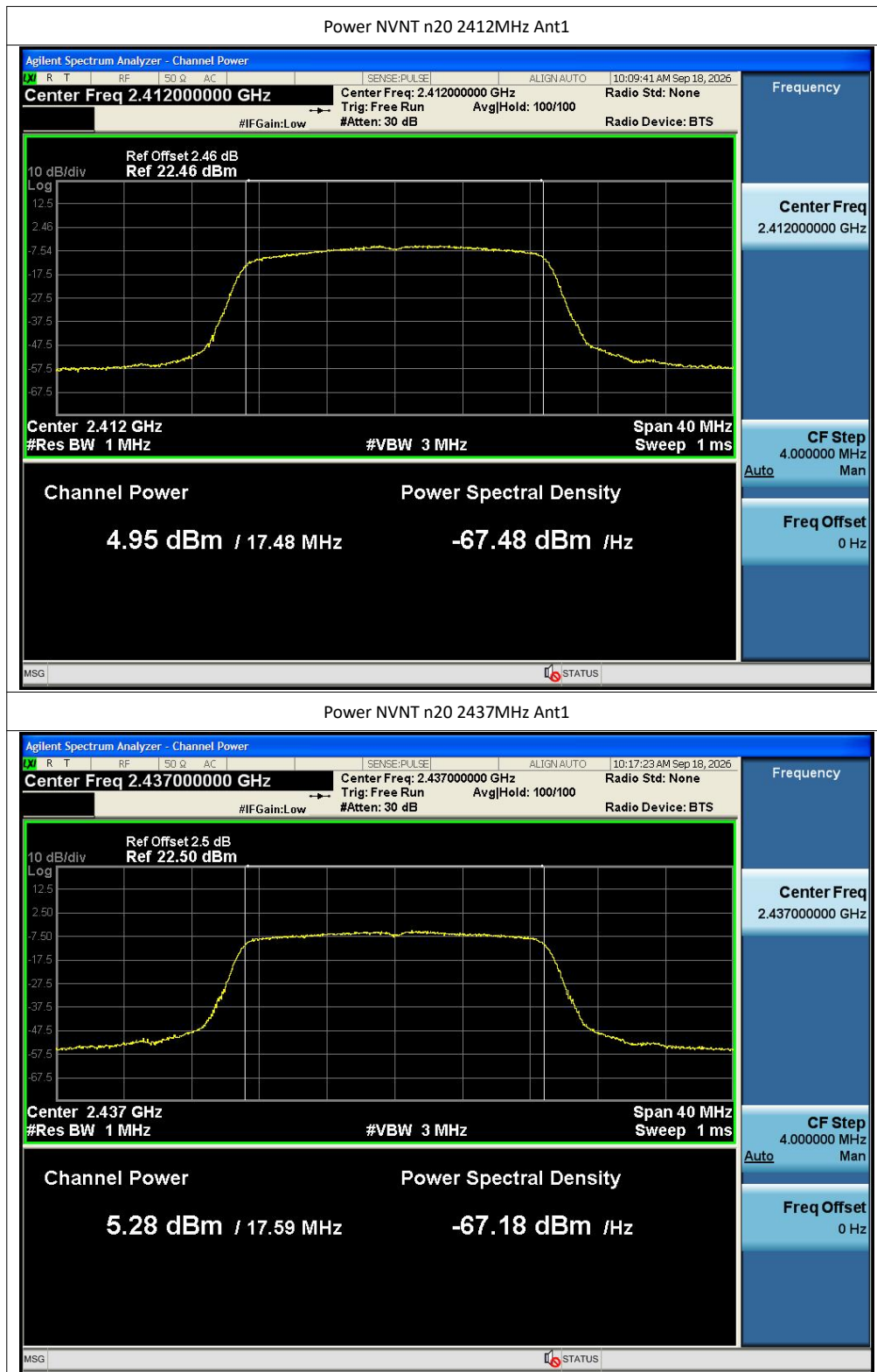


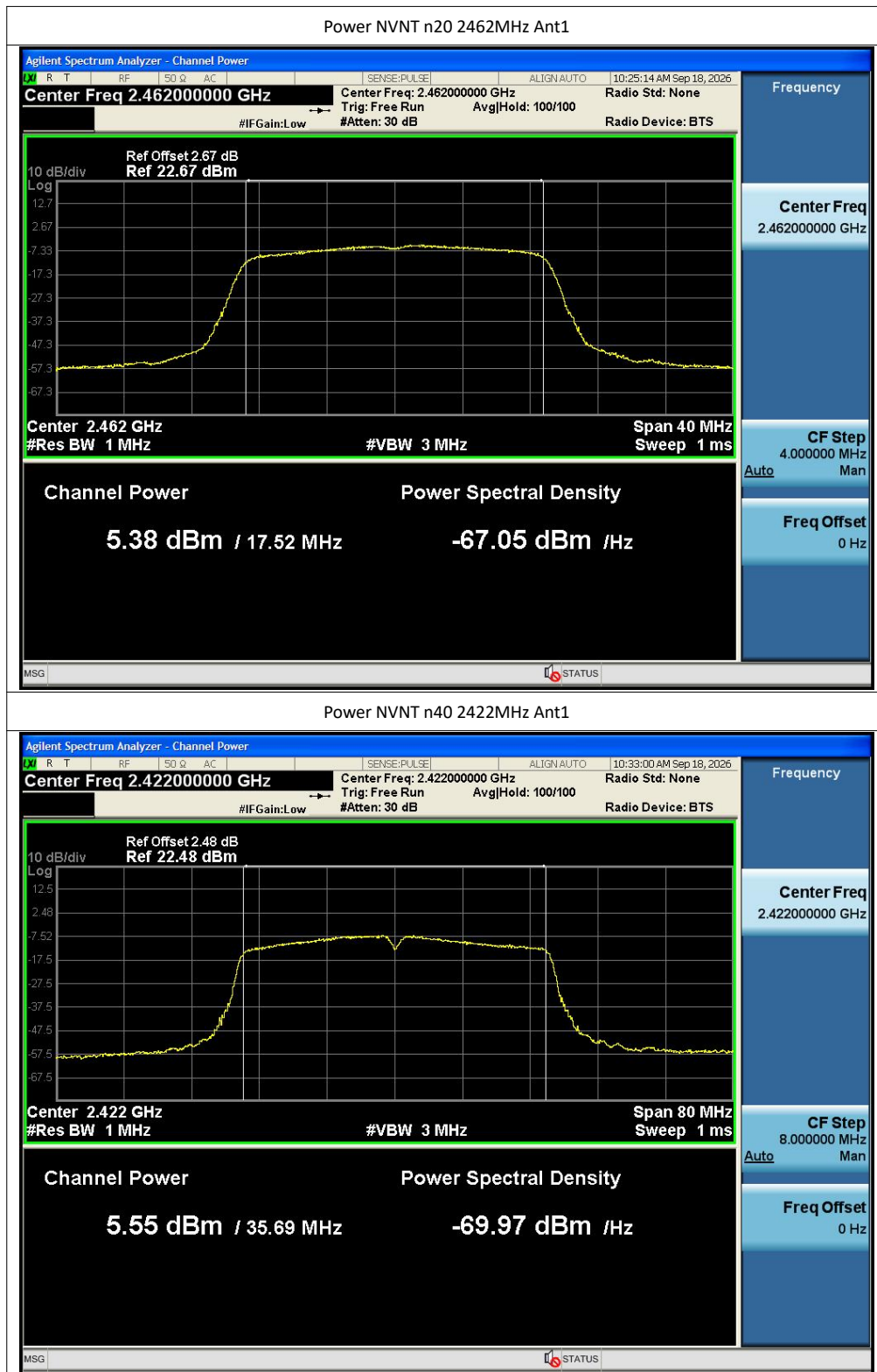
Power NVNT b 2437MHz Ant1













-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	7.688	0.5	Pass
NVNT	b	2437	Ant1	8.177	0.5	Pass
NVNT	b	2462	Ant1	8.158	0.5	Pass
NVNT	g	2412	Ant1	13.96	0.5	Pass
NVNT	g	2437	Ant1	16.16	0.5	Pass
NVNT	g	2462	Ant1	15.61	0.5	Pass
NVNT	n20	2412	Ant1	16.15	0.5	Pass
NVNT	n20	2437	Ant1	17.41	0.5	Pass
NVNT	n20	2462	Ant1	15.79	0.5	Pass
NVNT	n40	2422	Ant1	29.86	0.5	Pass
NVNT	n40	2437	Ant1	36.13	0.5	Pass
NVNT	n40	2452	Ant1	35.31	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

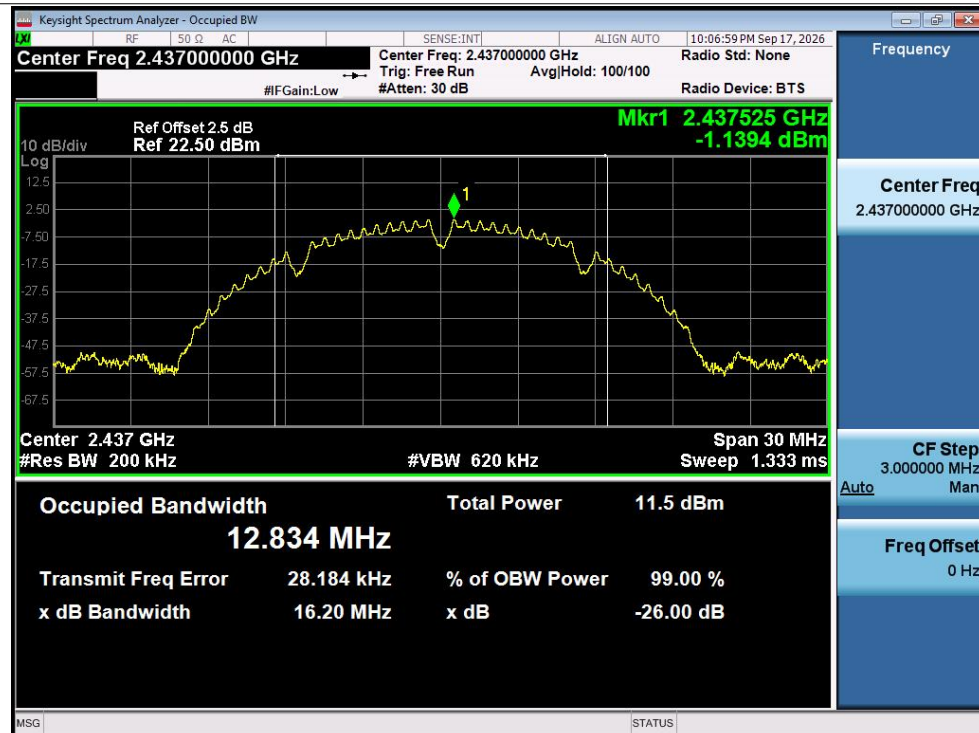
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.395
NVNT	b	2437	Ant1	12.834
NVNT	b	2462	Ant1	12.587
NVNT	g	2412	Ant1	16.244
NVNT	g	2437	Ant1	16.454
NVNT	g	2462	Ant1	16.362
NVNT	n20	2412	Ant1	17.484
NVNT	n20	2437	Ant1	17.591
NVNT	n20	2462	Ant1	17.518
NVNT	n40	2422	Ant1	35.688
NVNT	n40	2437	Ant1	36.204
NVNT	n40	2452	Ant1	35.996

Test Graphs

OBW NVNT b 2412MHz Ant1



OBW NVNT b 2437MHz Ant1



OBW NVNT b 2462MHz Ant1



OBW NVNT g 2412MHz Ant1

