

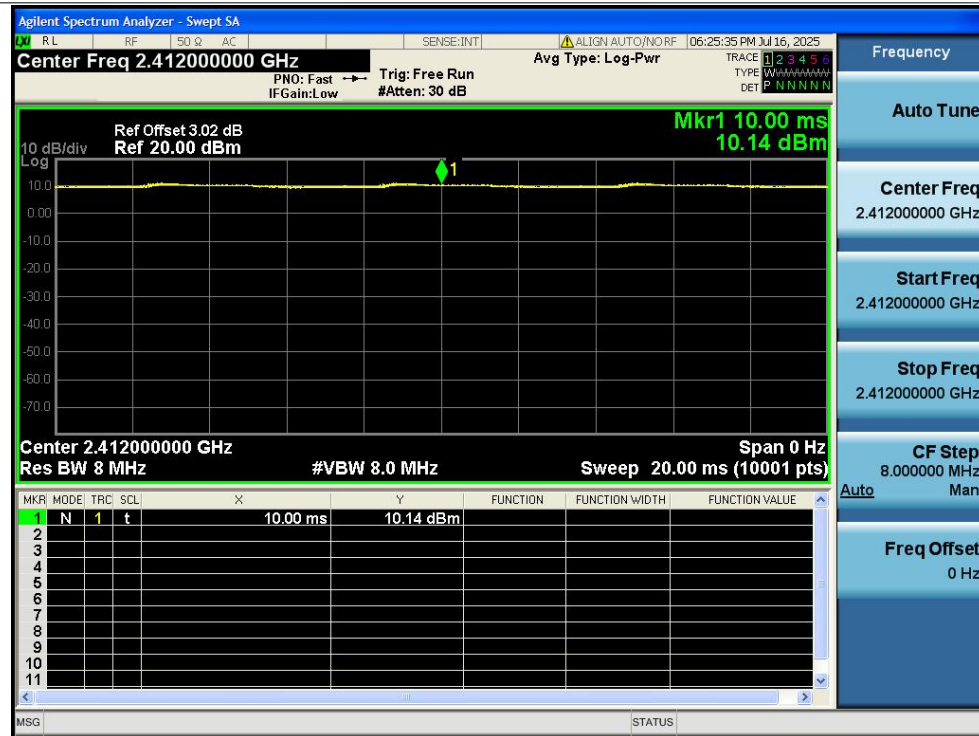
Appendix A 2.4G WIFI

Duty Cycle

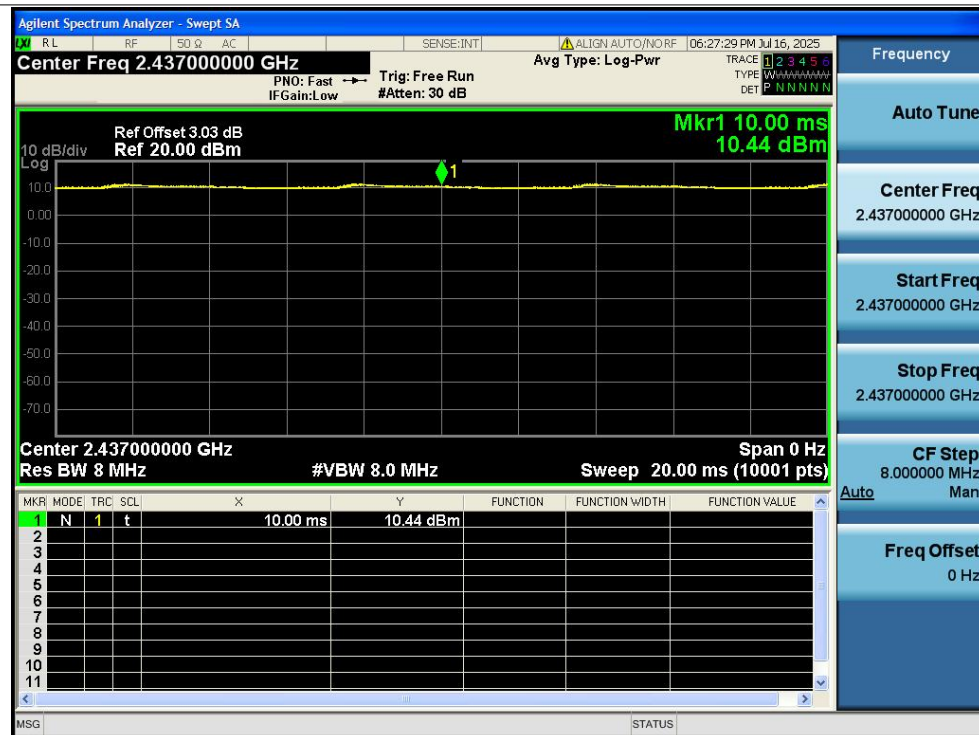
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	100	0	0
NVNT	b	2437	Ant1	100	0	0
NVNT	b	2462	Ant1	100	0	0
NVNT	g	2412	Ant1	100	0	0
NVNT	g	2437	Ant1	100	0	0
NVNT	g	2462	Ant1	100	0	0
NVNT	n20	2412	Ant1	100	0	0
NVNT	n20	2437	Ant1	100	0	0
NVNT	n20	2462	Ant1	100	0	0

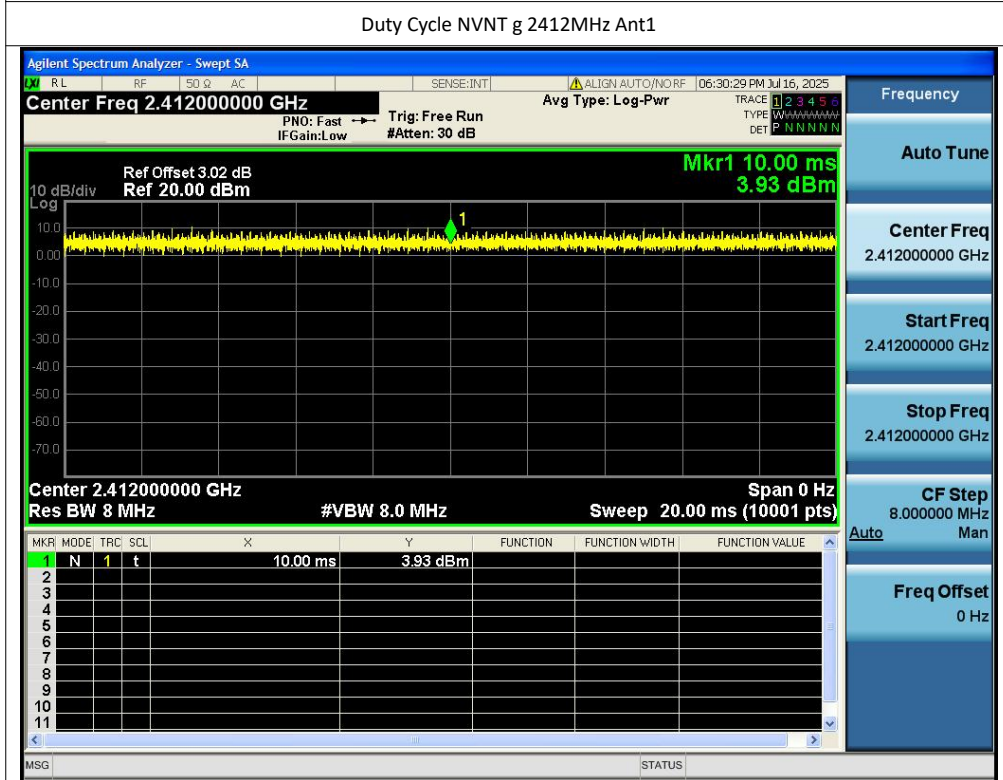
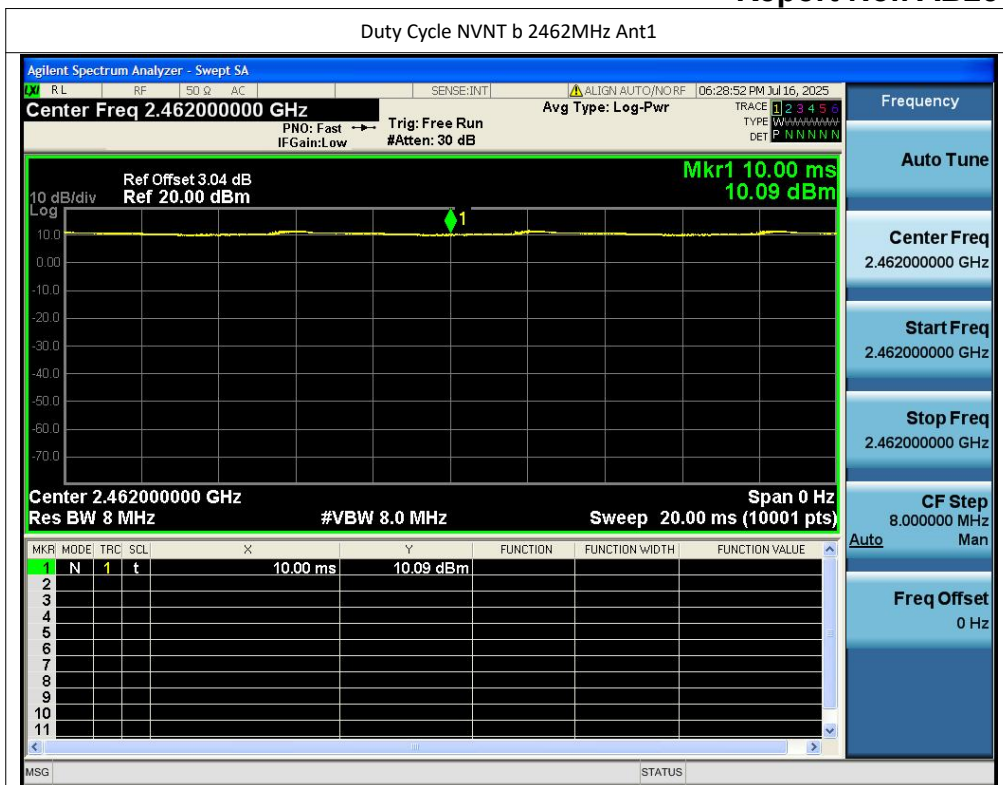
Test Graphs

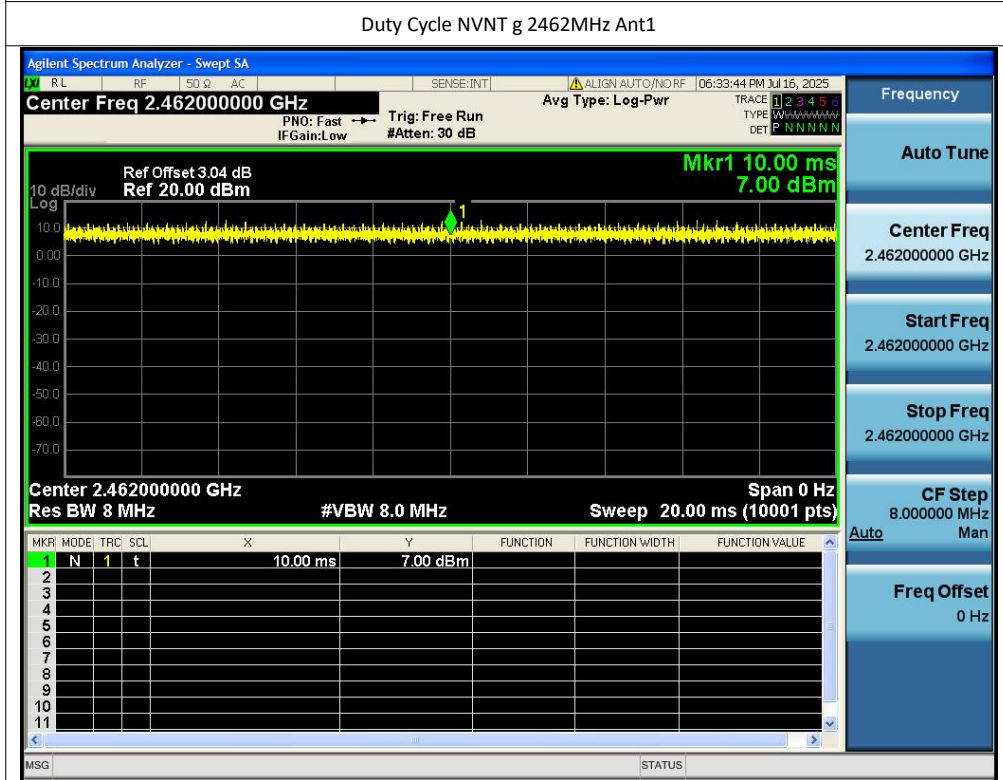
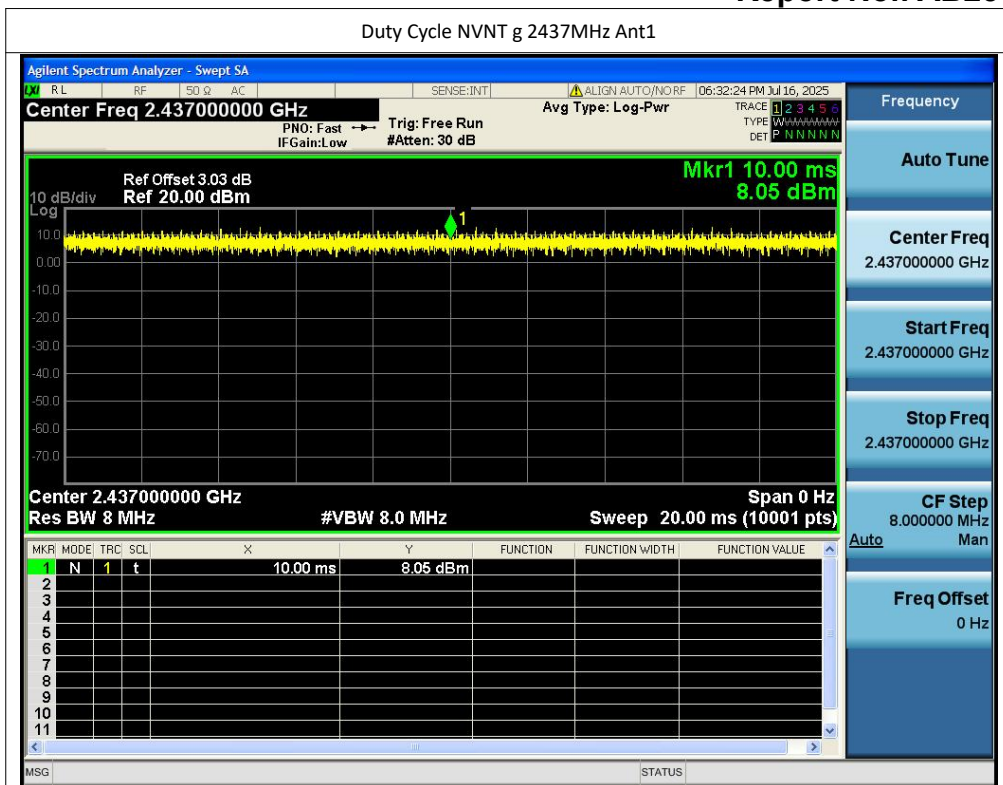
Duty Cycle NVNT b 2412MHz Ant1



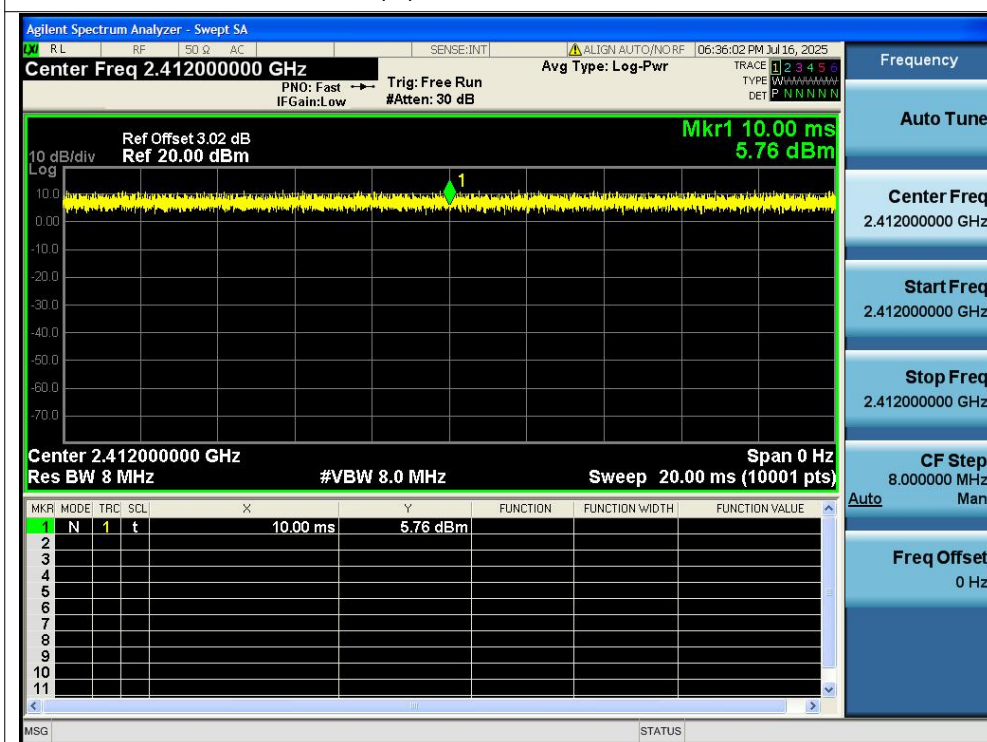
Duty Cycle NVNT b 2437MHz Ant1



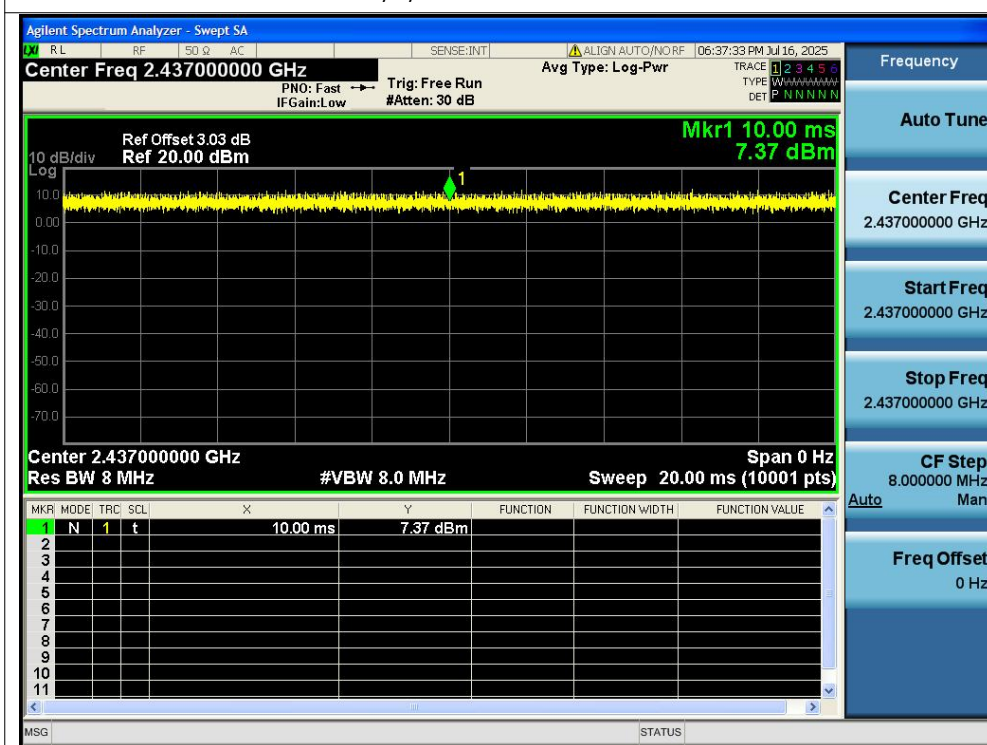


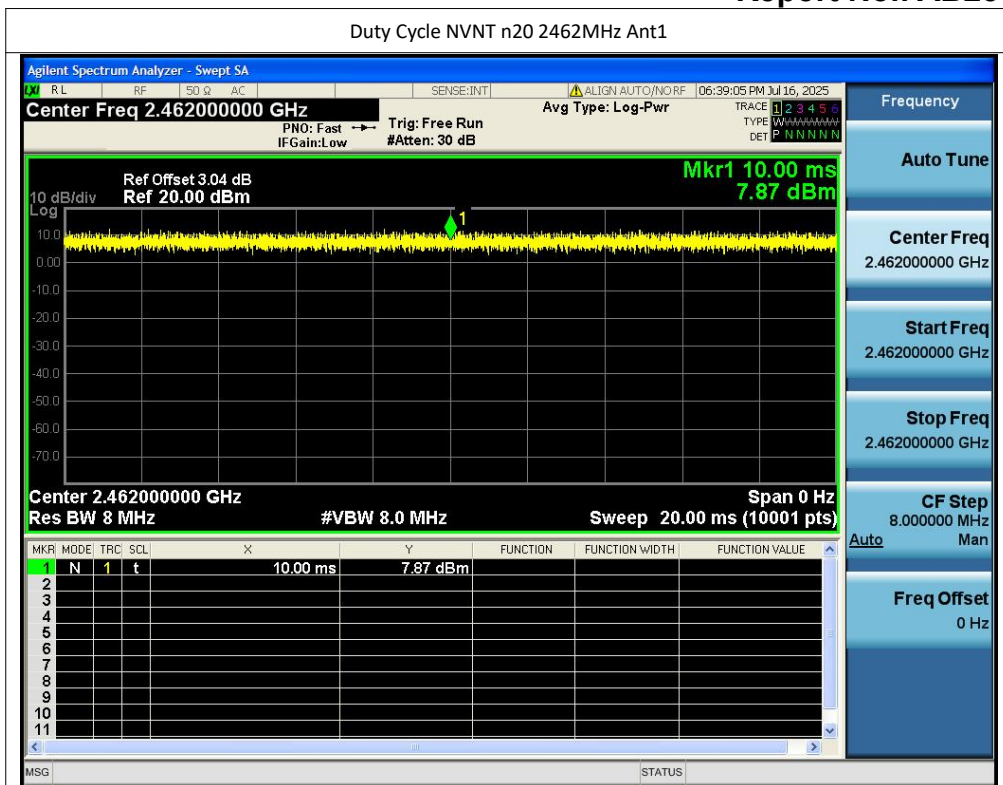


Duty Cycle NVNT n20 2412MHz Ant1



Duty Cycle NVNT n20 2437MHz Ant1



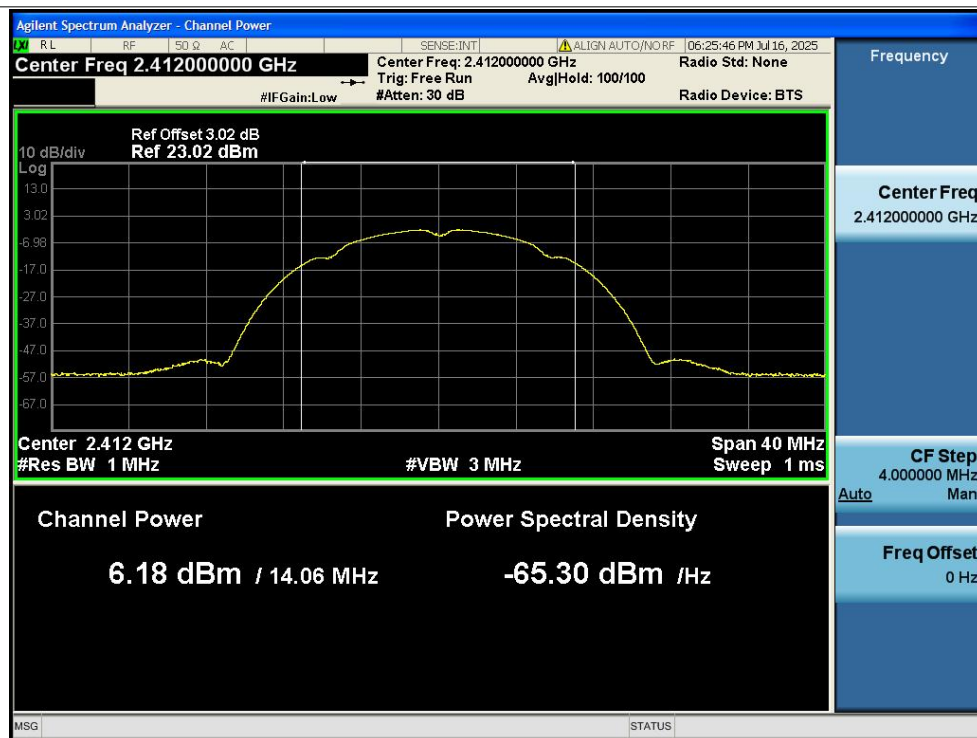


Maximum Conducted Output Power

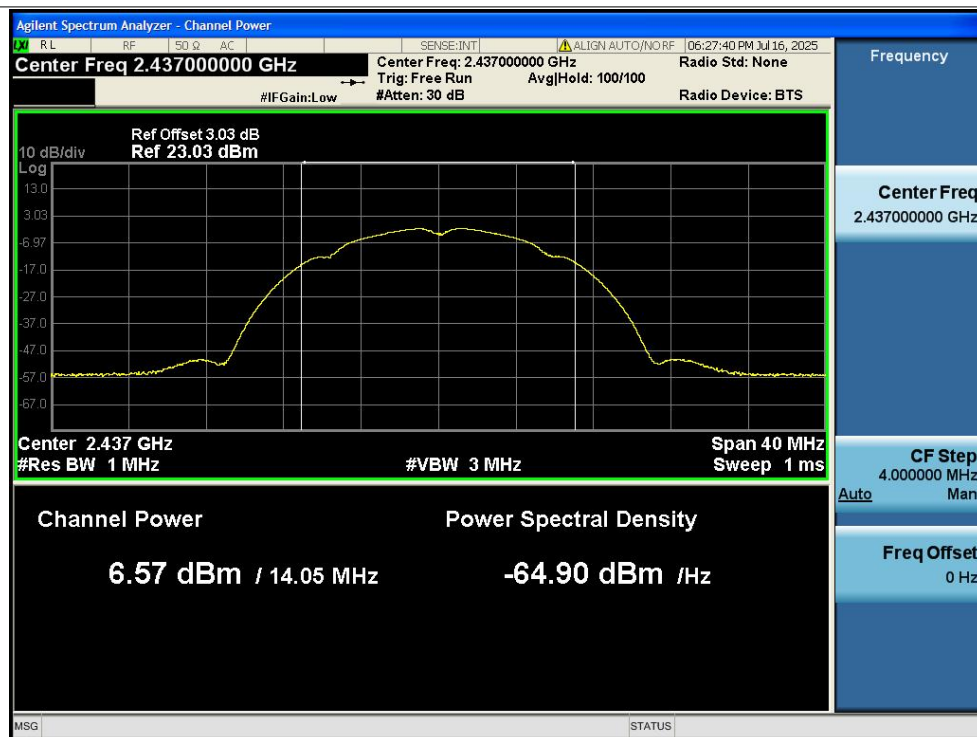
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	6.18	0	6.18	30	Pass
NVNT	b	2437	Ant1	6.57	0	6.57	30	Pass
NVNT	b	2462	Ant1	6.75	0	6.75	30	Pass
NVNT	g	2412	Ant1	4.89	0	4.89	30	Pass
NVNT	g	2437	Ant1	5.18	0	5.18	30	Pass
NVNT	g	2462	Ant1	5.35	0	5.35	30	Pass
NVNT	n20	2412	Ant1	4.72	0	4.72	30	Pass
NVNT	n20	2437	Ant1	5.01	0	5.01	30	Pass
NVNT	n20	2462	Ant1	5.24	0	5.24	30	Pass

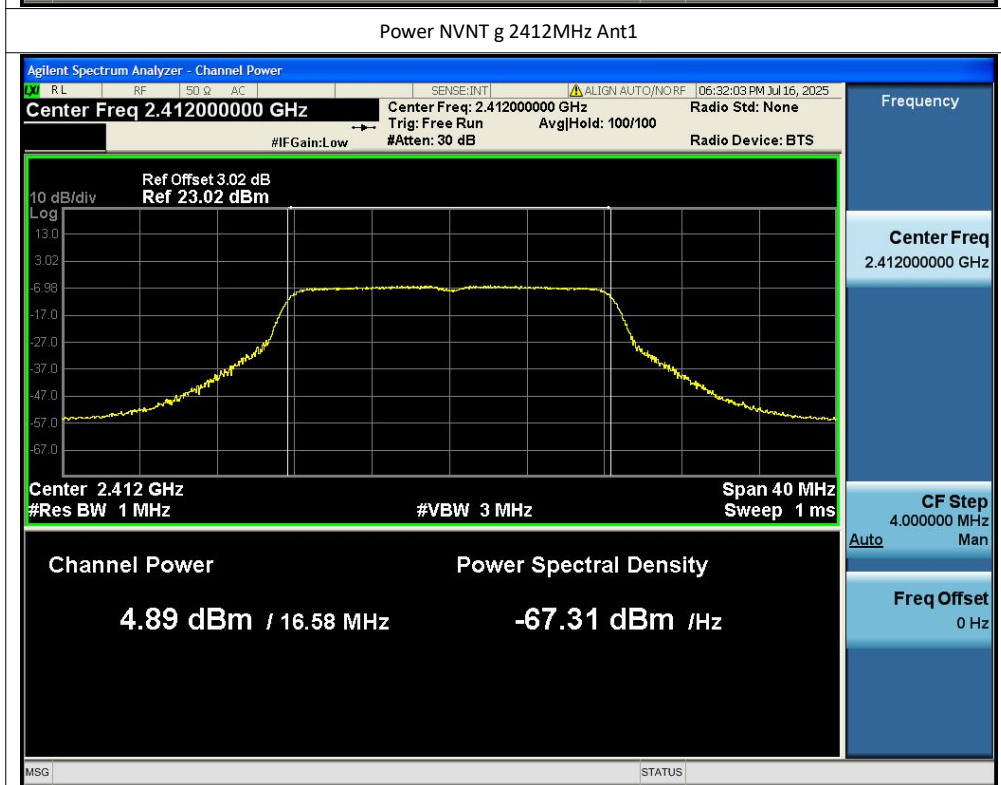
Test Graphs

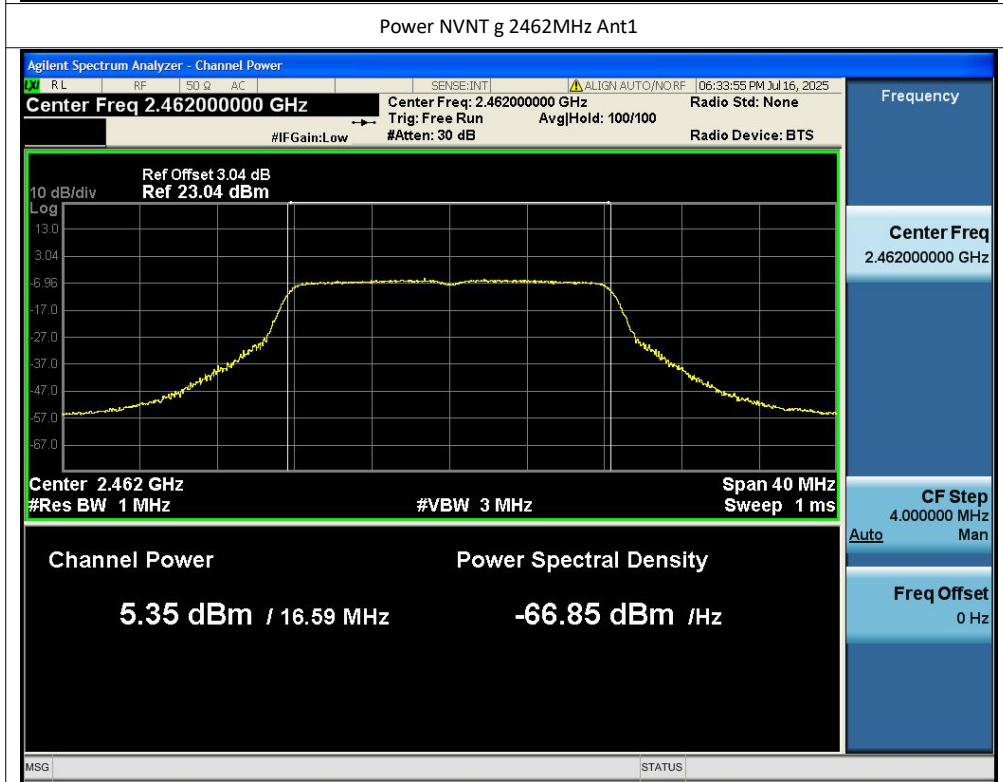
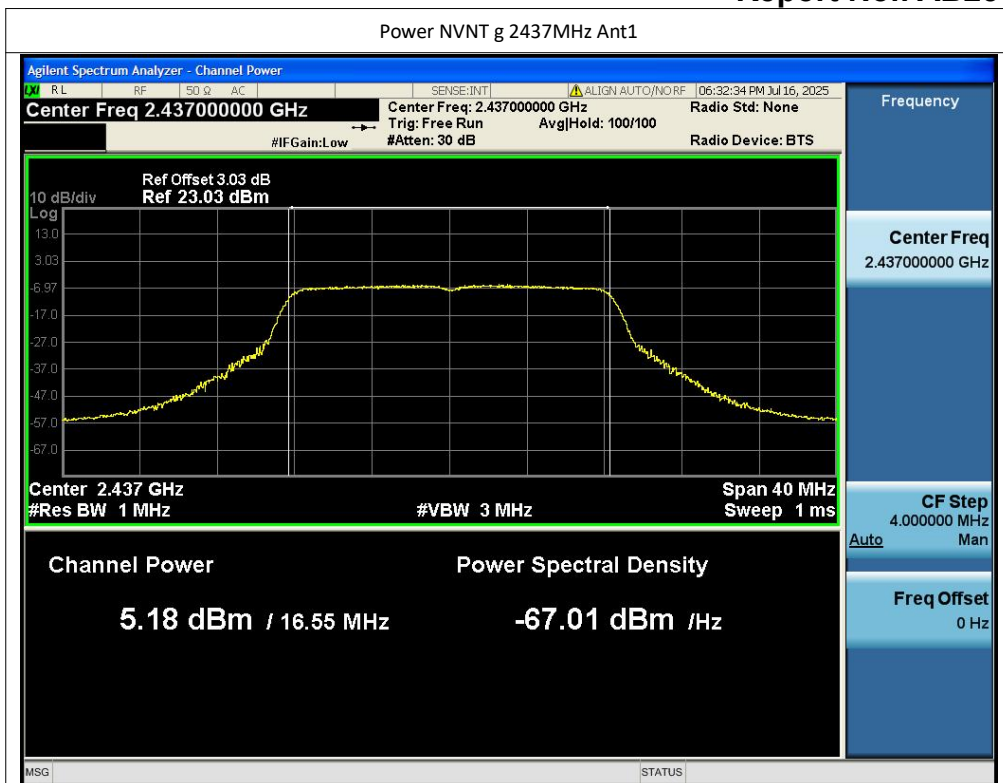
Power NVNT b 2412MHz Ant1

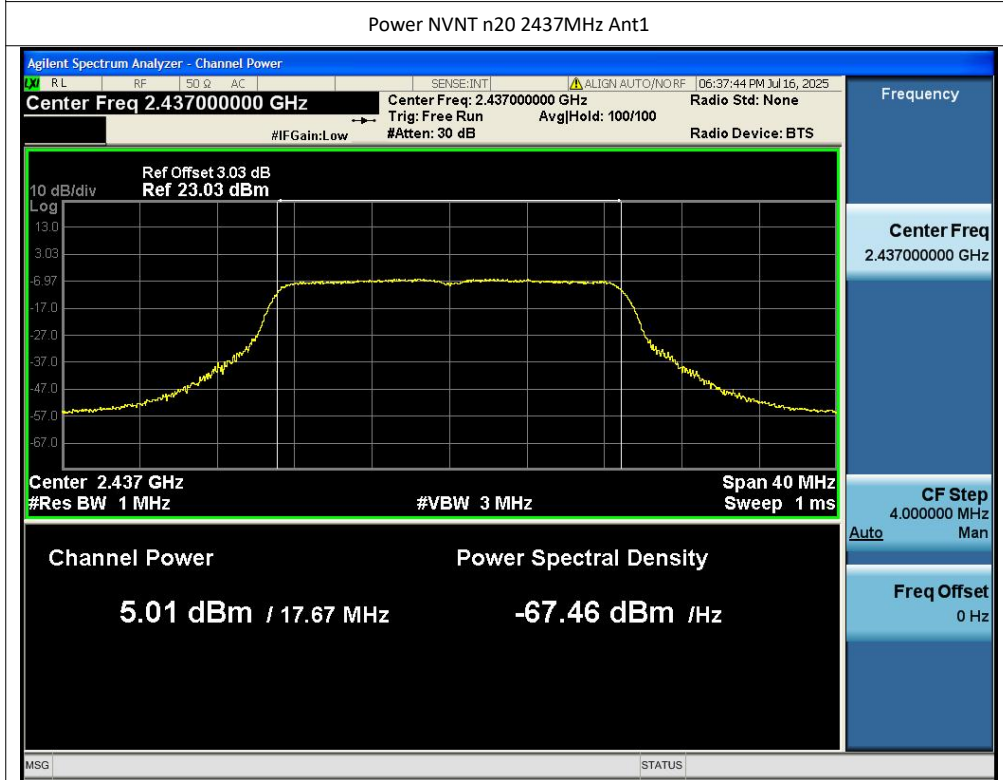
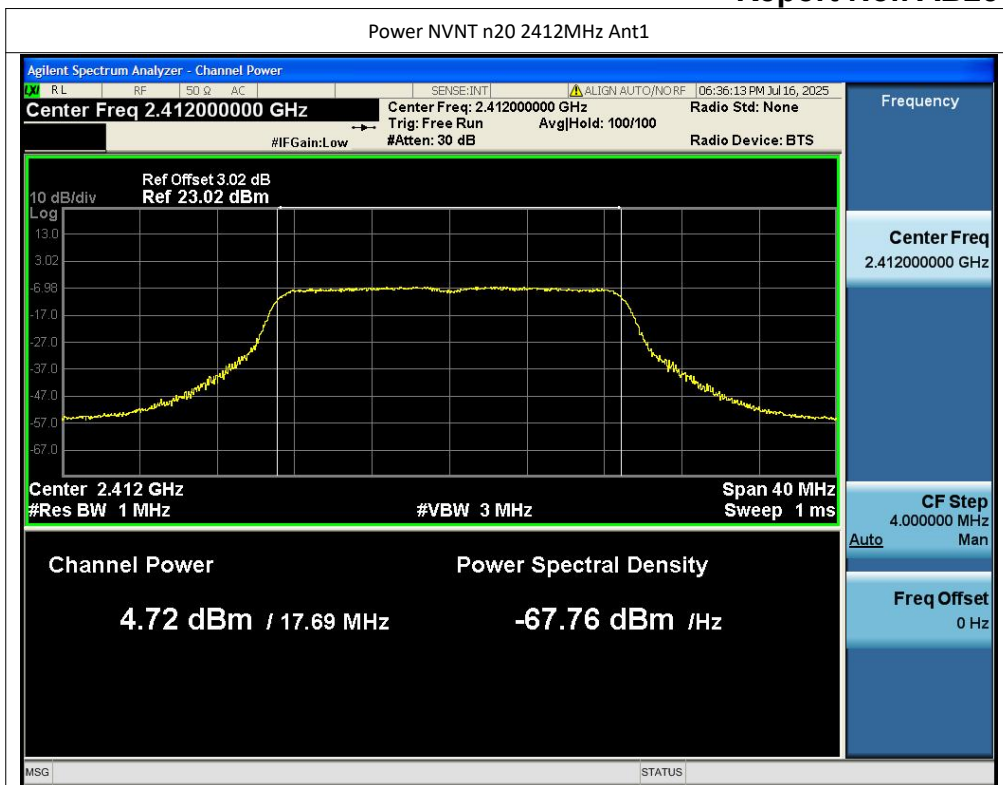


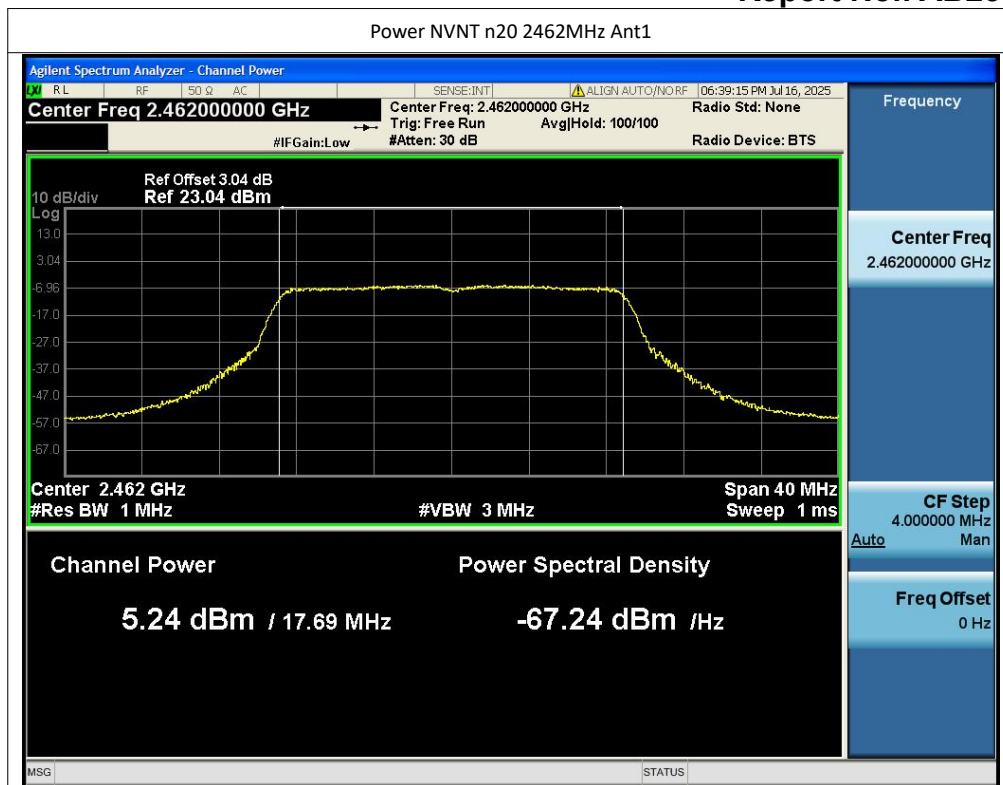
Power NVNT b 2437MHz Ant1











-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.091	0.5	Pass
NVNT	b	2437	Ant1	9.043	0.5	Pass
NVNT	b	2462	Ant1	9.064	0.5	Pass
NVNT	g	2412	Ant1	16.539	0.5	Pass
NVNT	g	2437	Ant1	16.508	0.5	Pass
NVNT	g	2462	Ant1	16.539	0.5	Pass
NVNT	n20	2412	Ant1	17.771	0.5	Pass
NVNT	n20	2437	Ant1	17.761	0.5	Pass
NVNT	n20	2462	Ant1	17.775	0.5	Pass

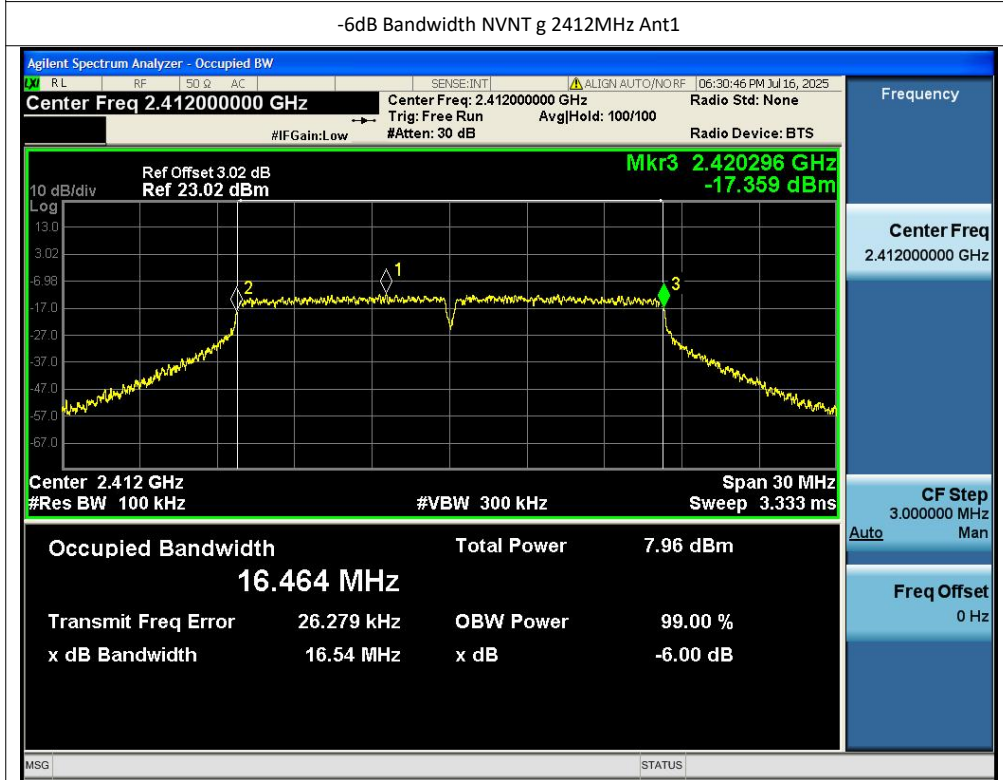
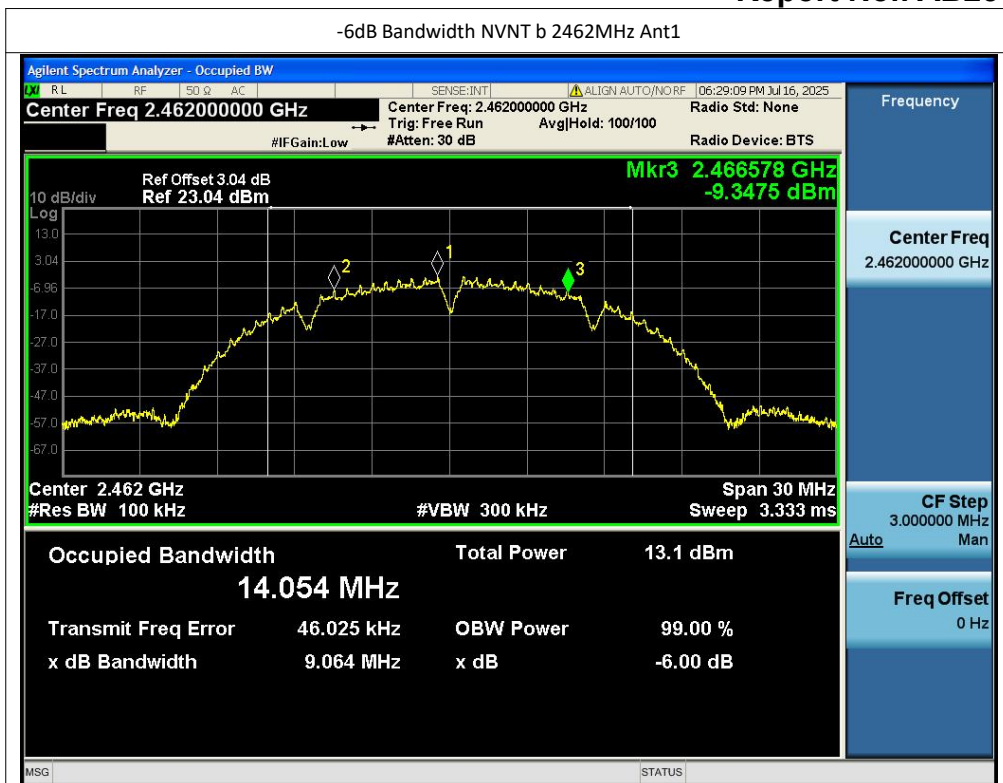
Test Graphs

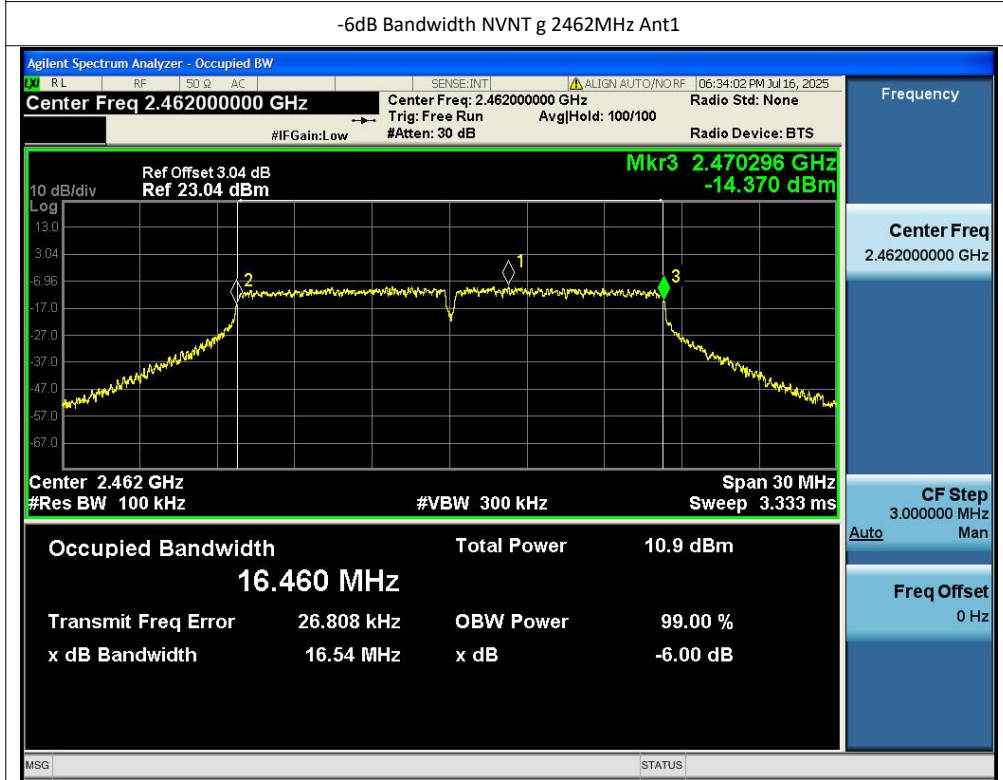
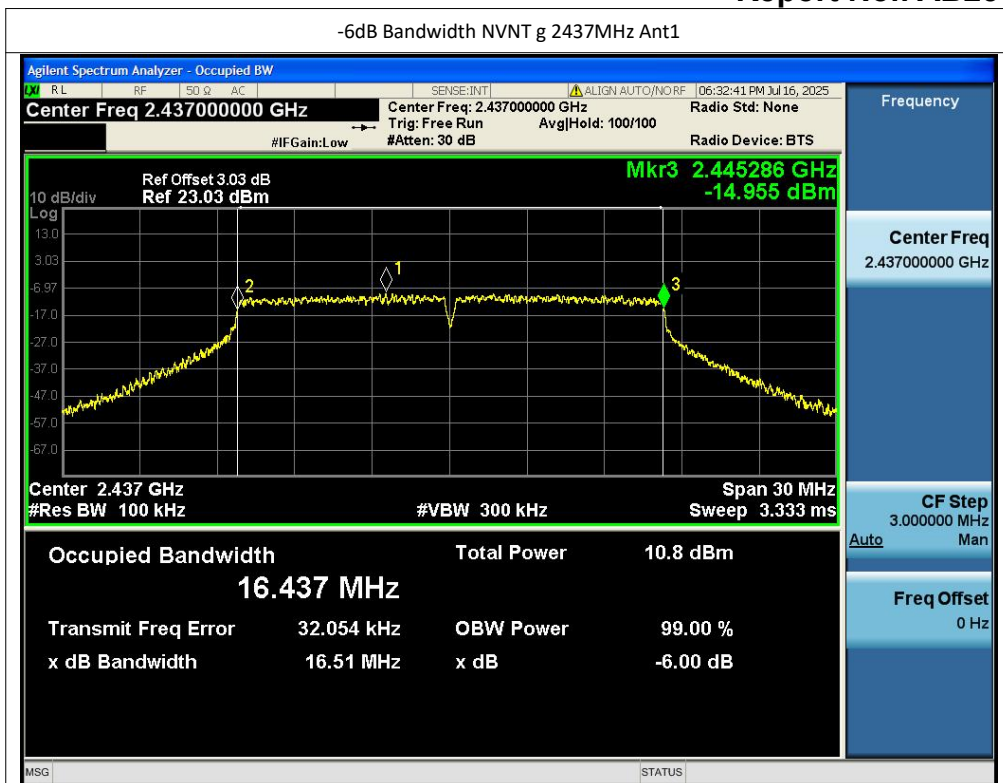
-6dB Bandwidth NVNT b 2412MHz Ant1

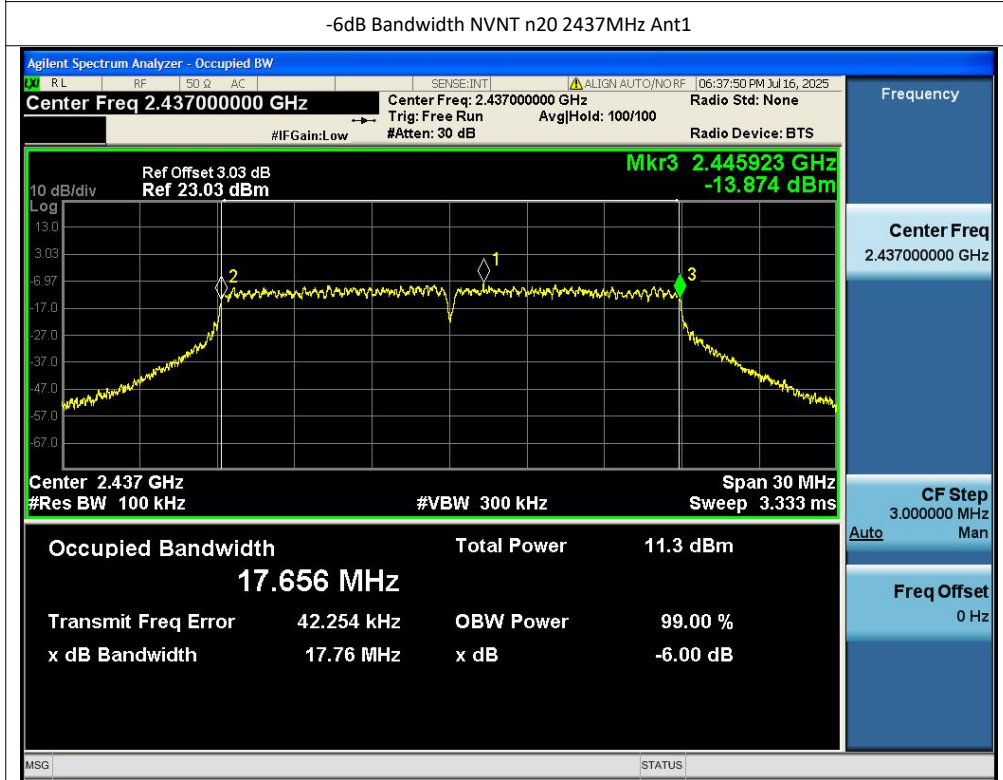
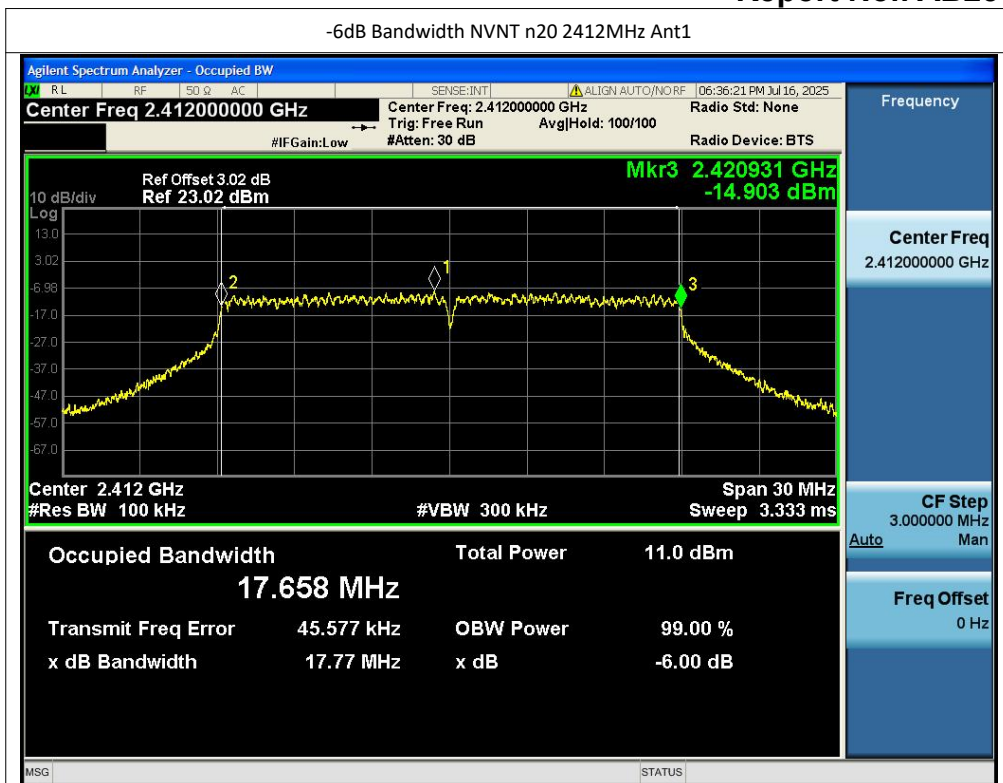


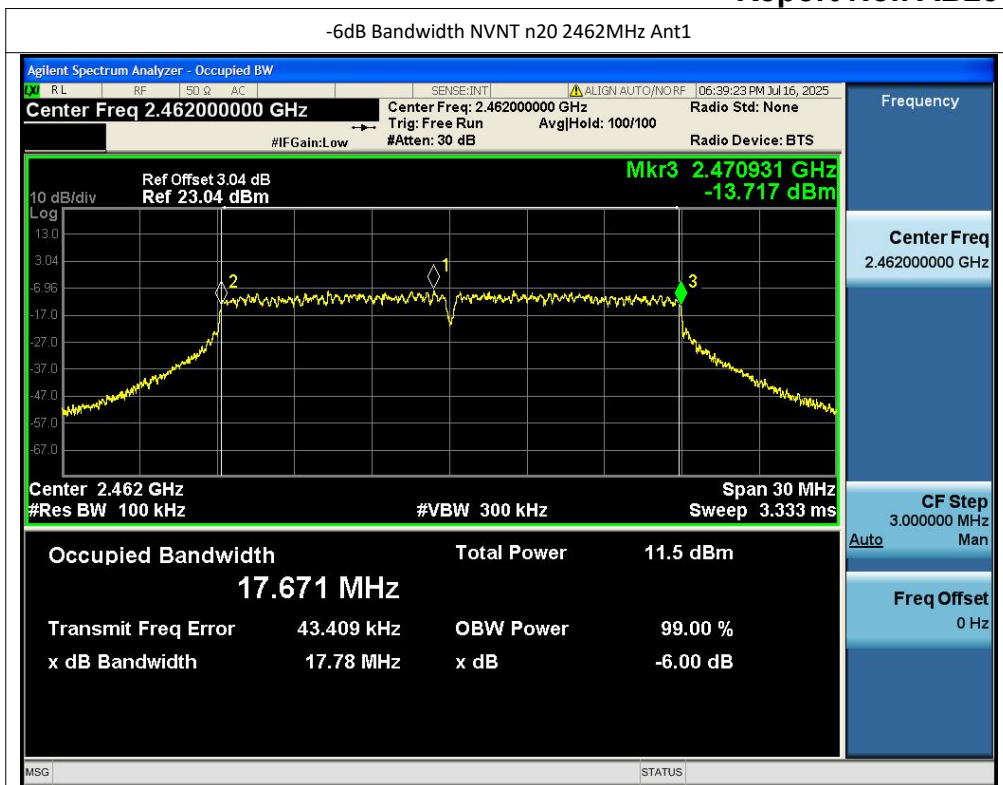
-6dB Bandwidth NVNT b 2437MHz Ant1











Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	14.06
NVNT	b	2437	Ant1	14.048
NVNT	b	2462	Ant1	14.044
NVNT	g	2412	Ant1	16.581
NVNT	g	2437	Ant1	16.554
NVNT	g	2462	Ant1	16.587
NVNT	n20	2412	Ant1	17.692
NVNT	n20	2437	Ant1	17.669
NVNT	n20	2462	Ant1	17.689

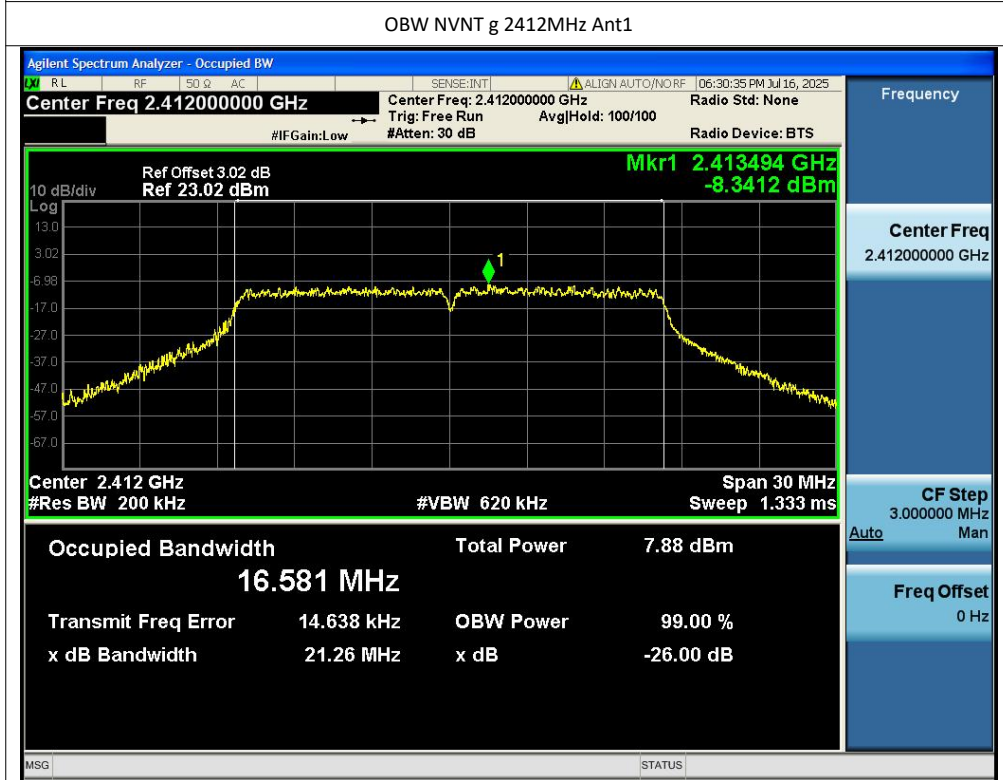
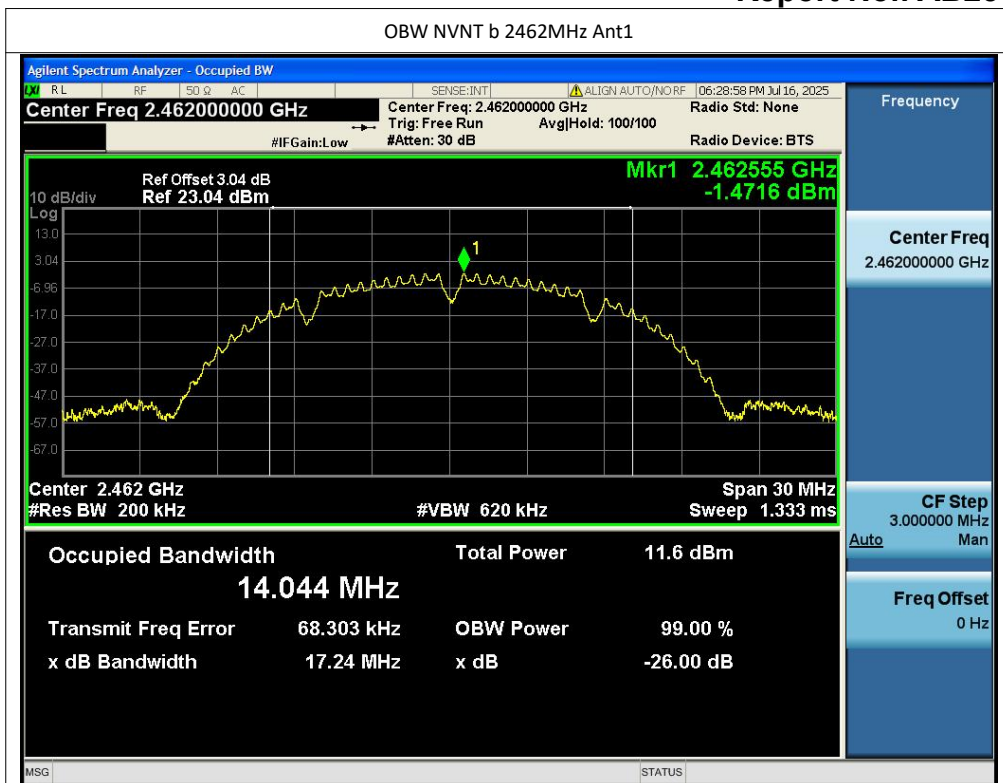
Test Graphs

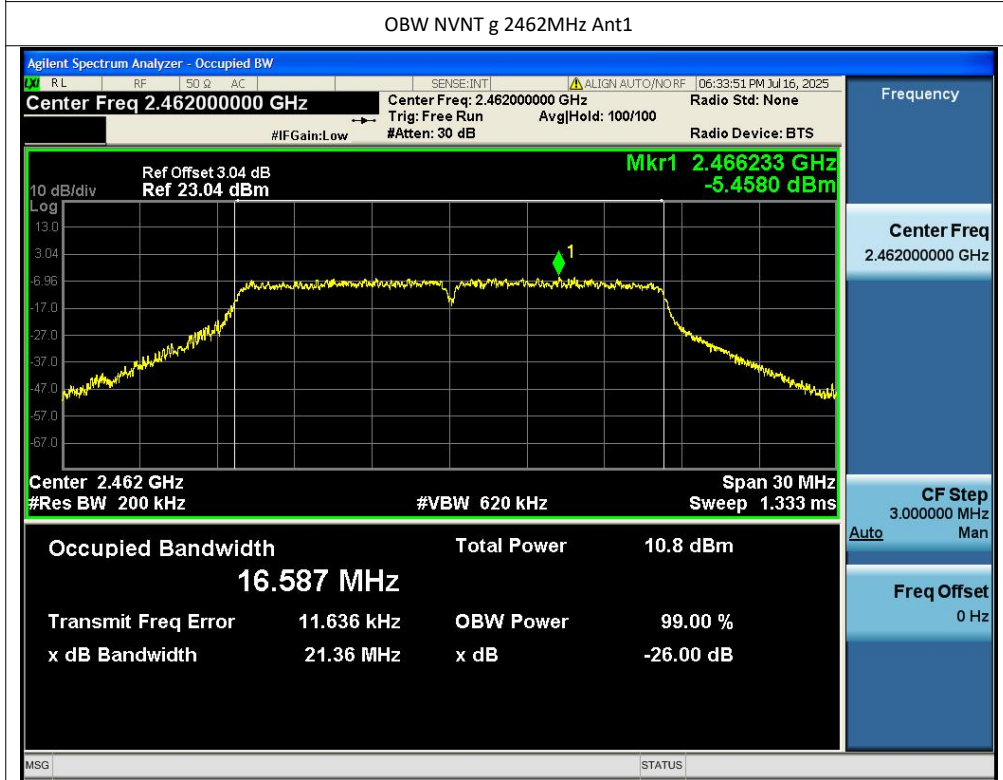
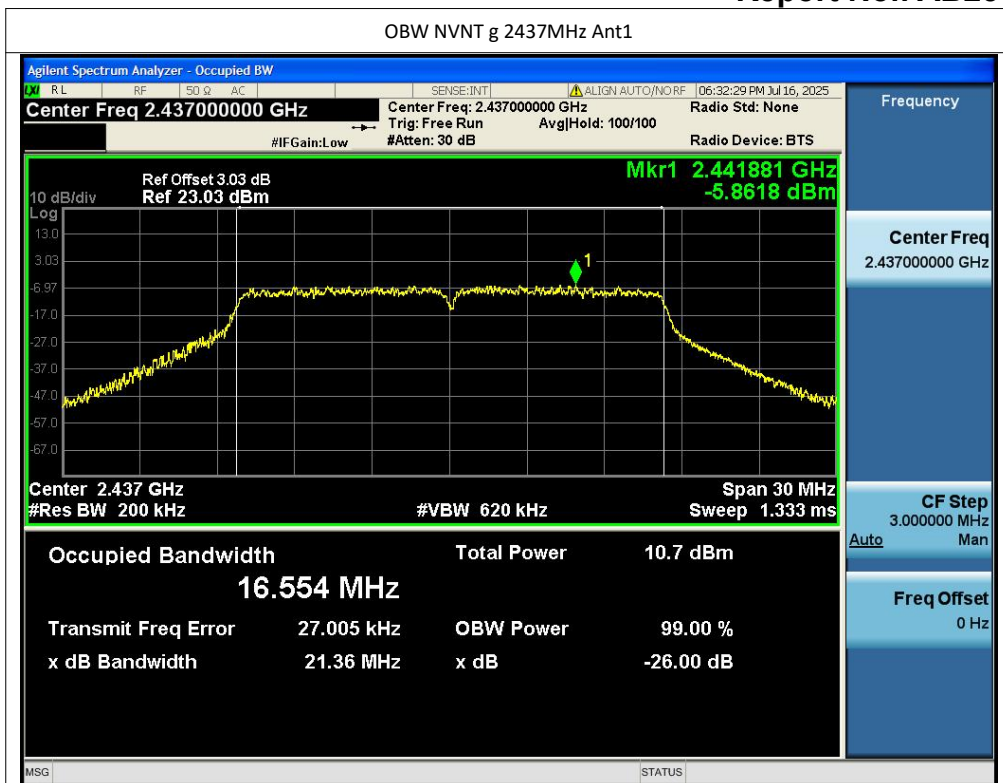
OBW NVNT b 2412MHz Ant1

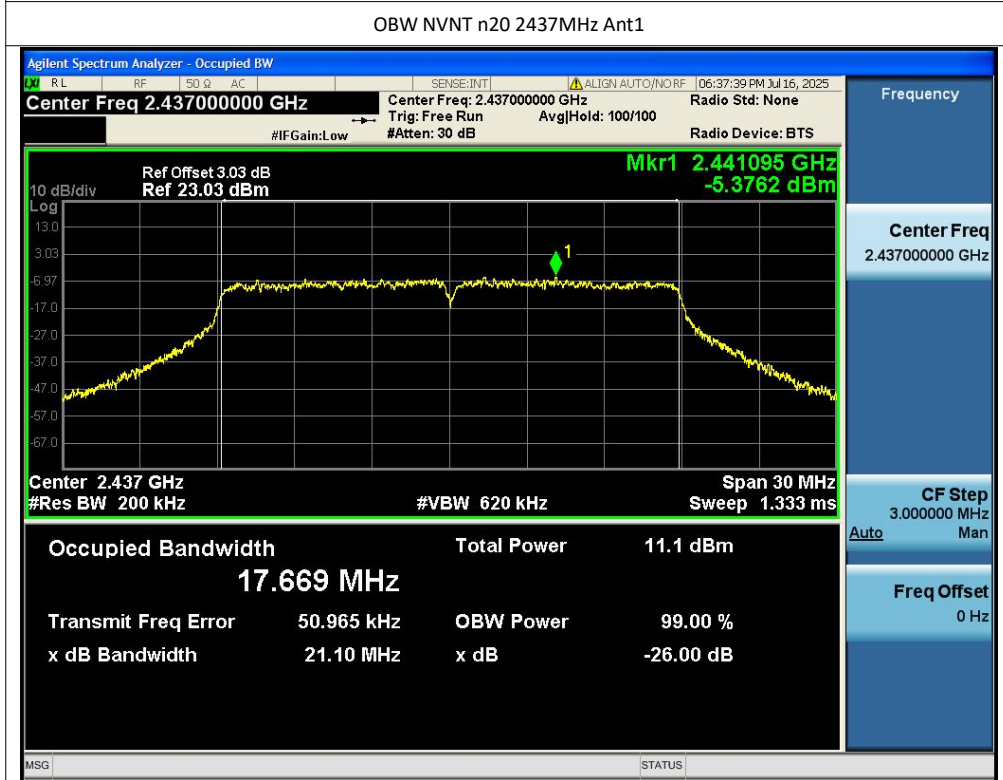
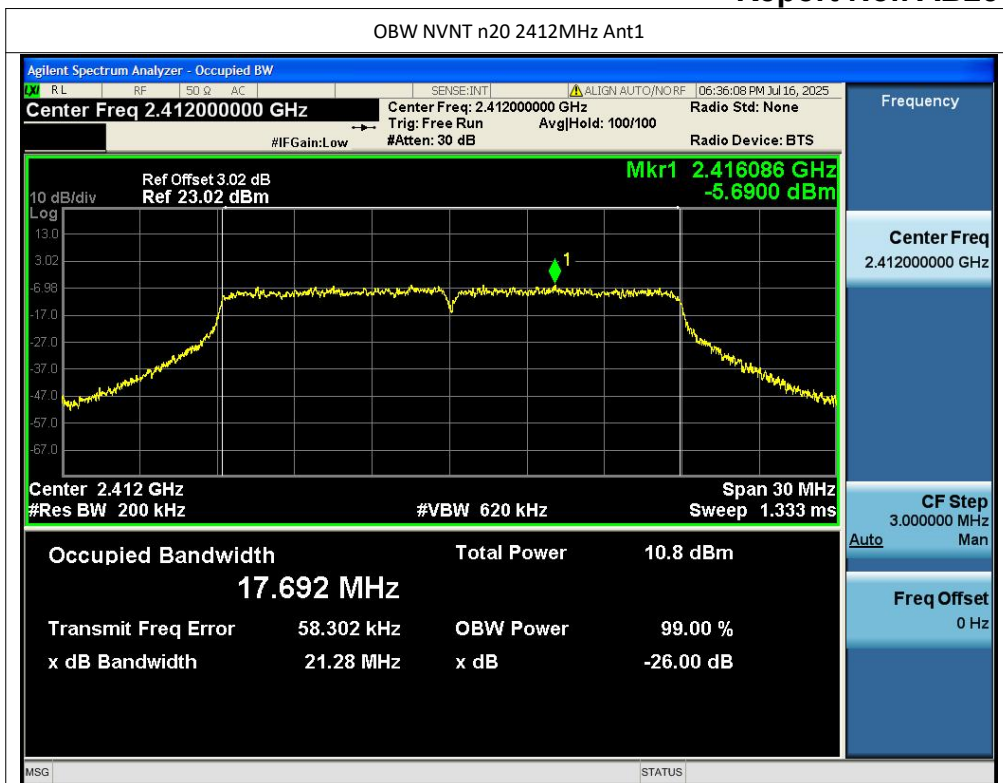


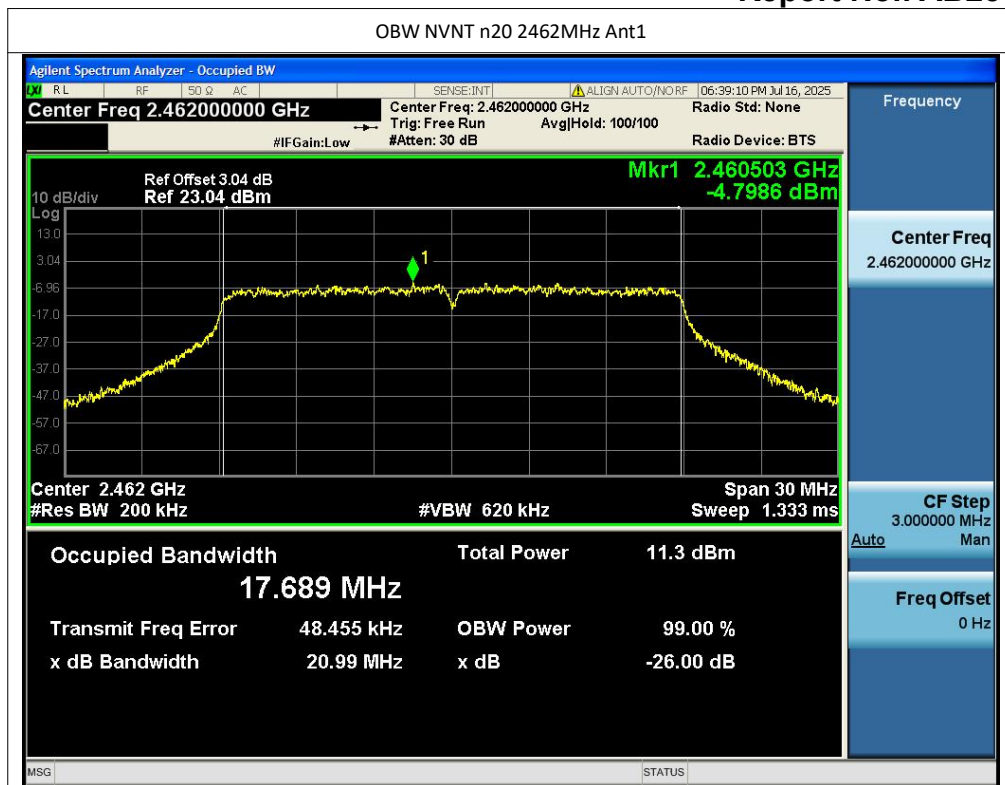
OBW NVNT b 2437MHz Ant1











Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-10.34	0	-10.34	8	Pass
NVNT	b	2437	Ant1	-10.25	0	-10.25	8	Pass
NVNT	b	2462	Ant1	-10.27	0	-10.27	8	Pass
NVNT	g	2412	Ant1	-17.66	0	-17.66	8	Pass
NVNT	g	2437	Ant1	-14.96	0	-14.96	8	Pass
NVNT	g	2462	Ant1	-14.54	0	-14.54	8	Pass
NVNT	n20	2412	Ant1	-15.05	0	-15.05	8	Pass
NVNT	n20	2437	Ant1	-14.86	0	-14.86	8	Pass
NVNT	n20	2462	Ant1	-14.92	0	-14.92	8	Pass

Test Graphs

PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1



PSD NVNT b 2462MHz Ant1



PSD NVNT g 2412MHz Ant1

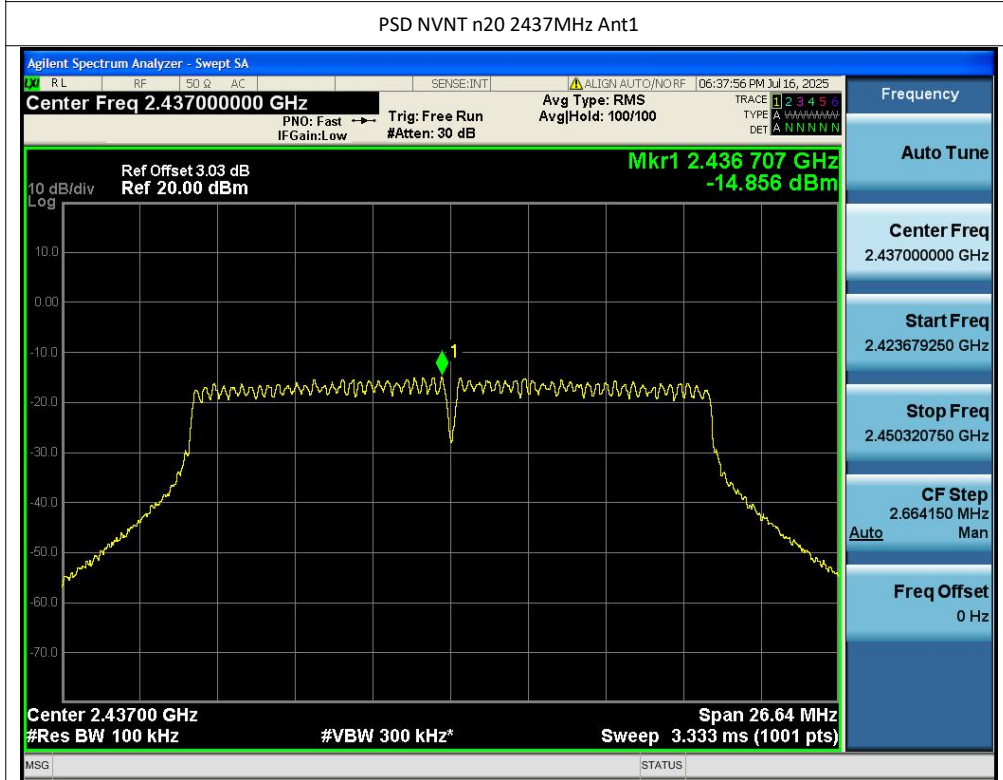
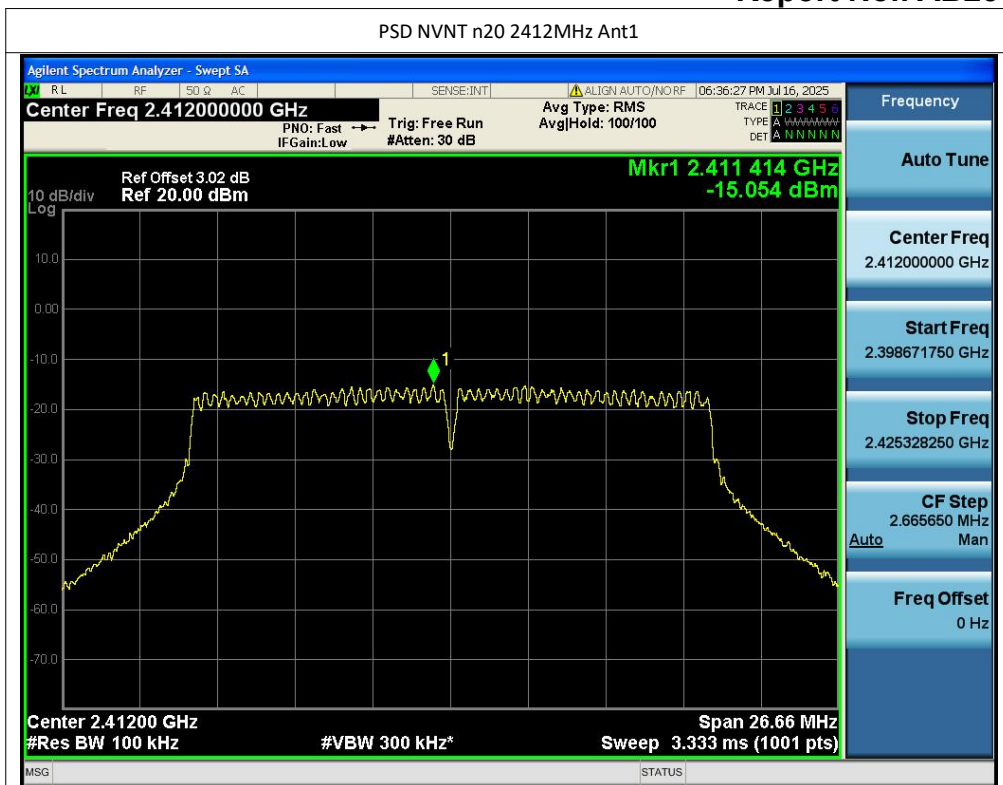


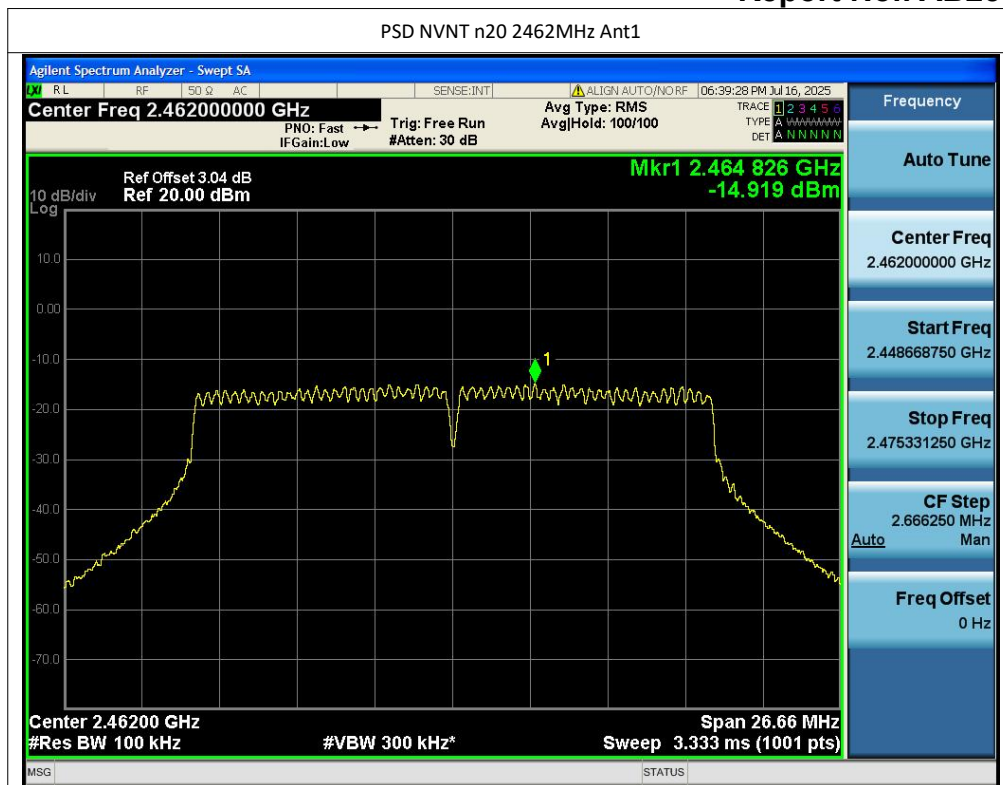
PSD NVNT g 2437MHz Ant1



PSD NVNT g 2462MHz Ant1







Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-48.63	-30	Pass
NVNT	b	2462	Ant1	-52.01	-30	Pass
NVNT	g	2412	Ant1	-31.12	-30	Pass
NVNT	g	2462	Ant1	-45.46	-30	Pass
NVNT	n20	2412	Ant1	-34.43	-30	Pass
NVNT	n20	2462	Ant1	-47.12	-30	Pass