

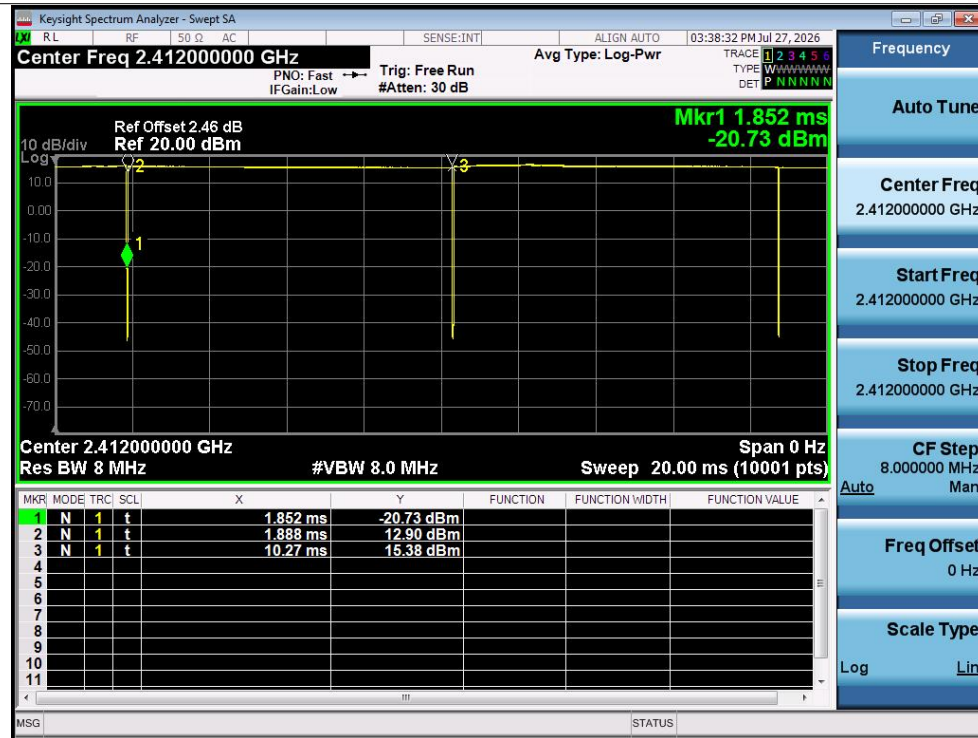
Appendix E_2.4G WIFI

Duty Cycle

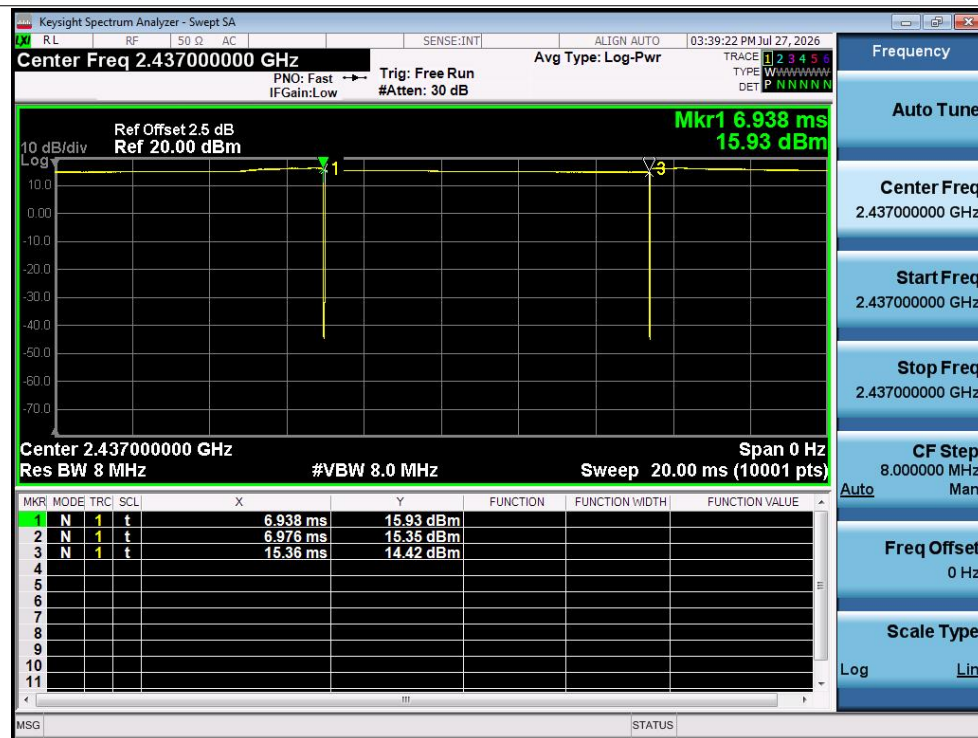
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.57	0.02	0.12
NVNT	b	2437	Ant1	99.55	0.02	0.12
NVNT	b	2462	Ant1	99.55	0.02	0.12
NVNT	g	2412	Ant1	96.94	0.13	0.72
NVNT	g	2437	Ant1	96.94	0.13	0.72
NVNT	g	2462	Ant1	97.08	0.13	0.72
NVNT	n20	2412	Ant1	96.73	0.14	0.77
NVNT	n20	2437	Ant1	96.73	0.14	0.77
NVNT	n20	2462	Ant1	96.88	0.14	0.77

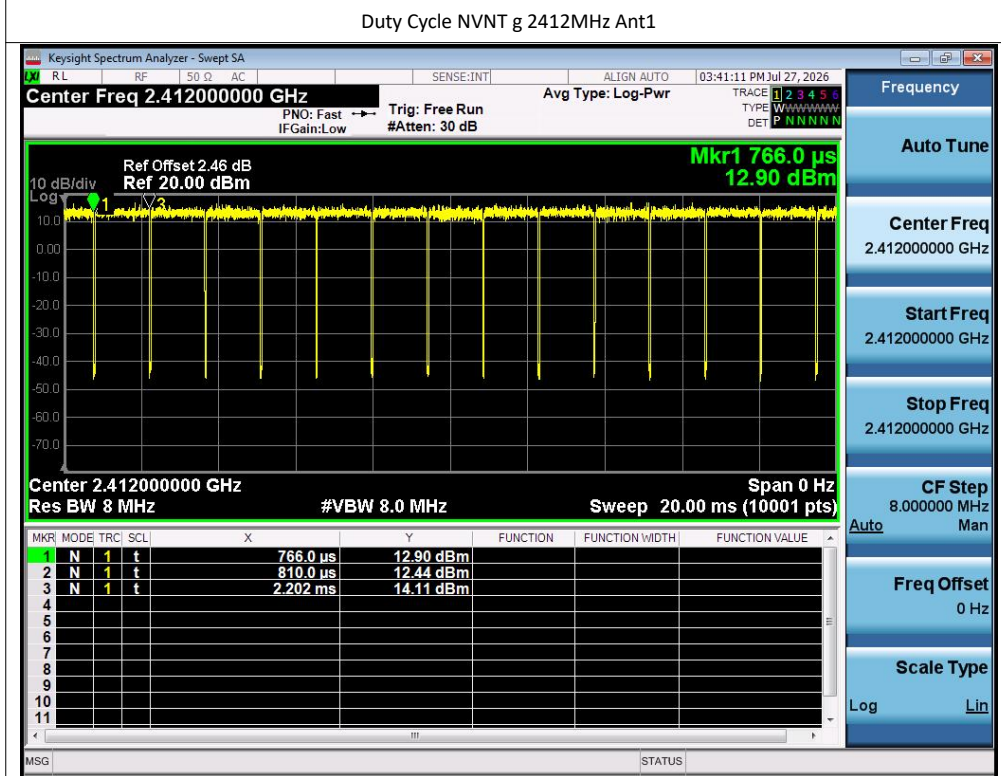
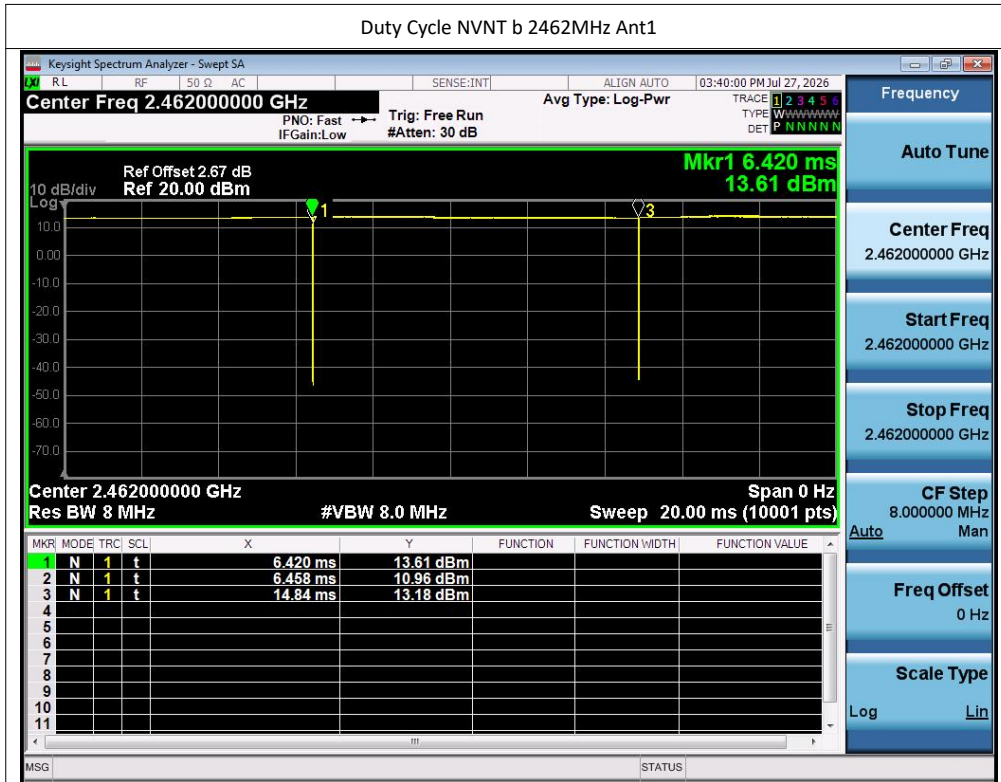
Test Graphs

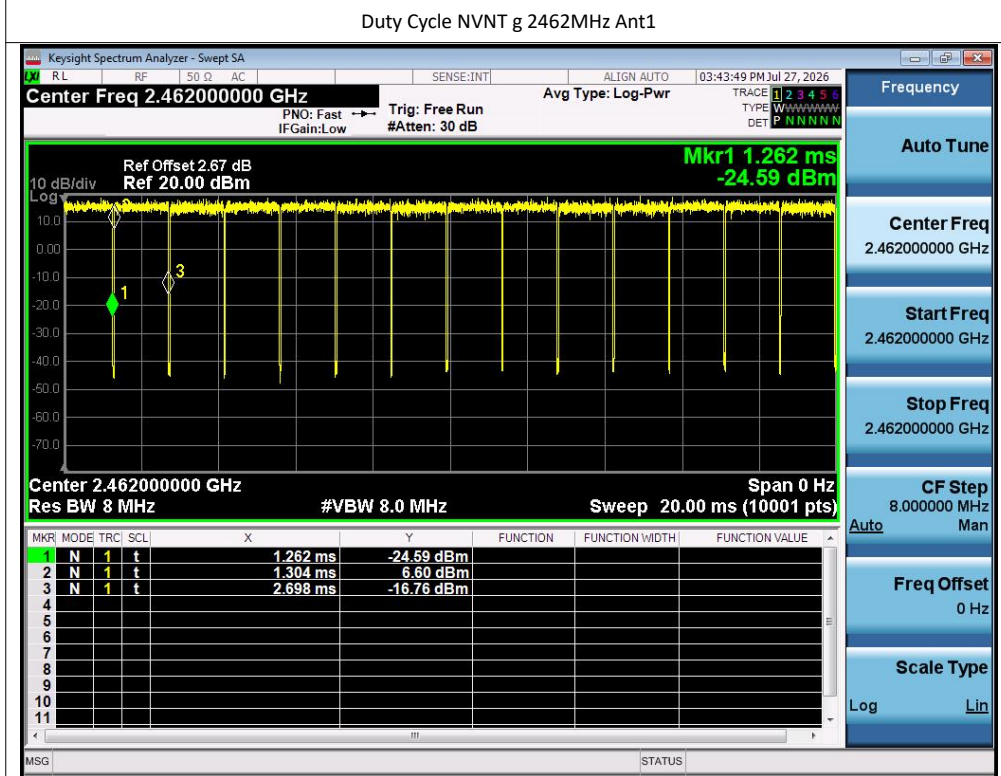
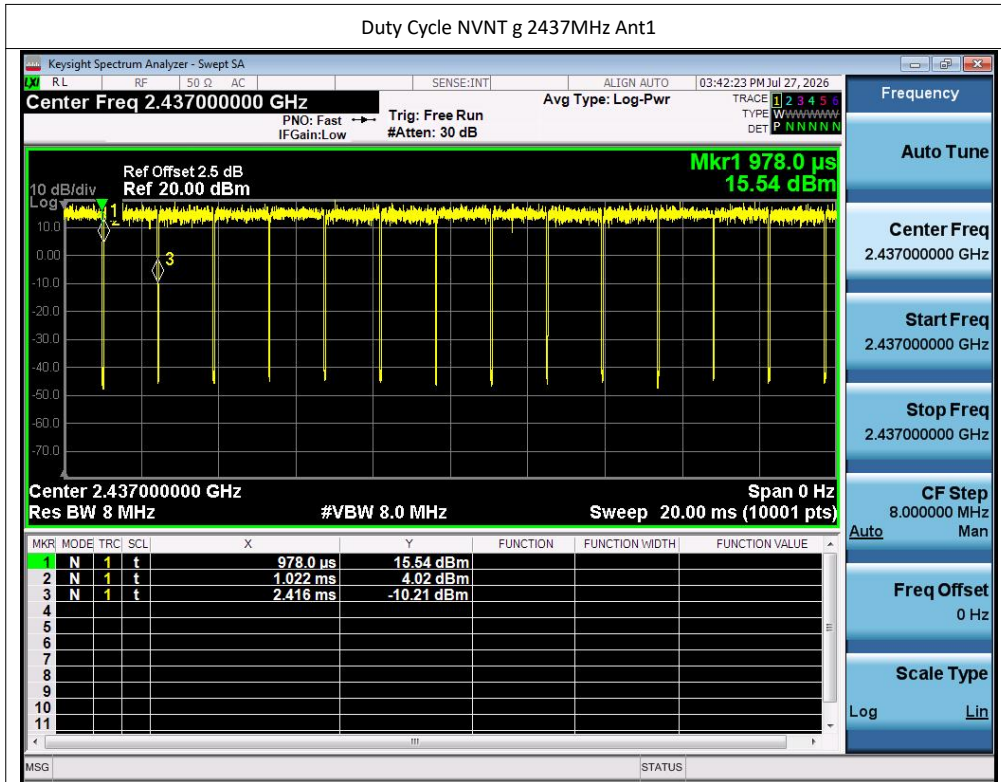
Duty Cycle NVNT b 2412MHz Ant1



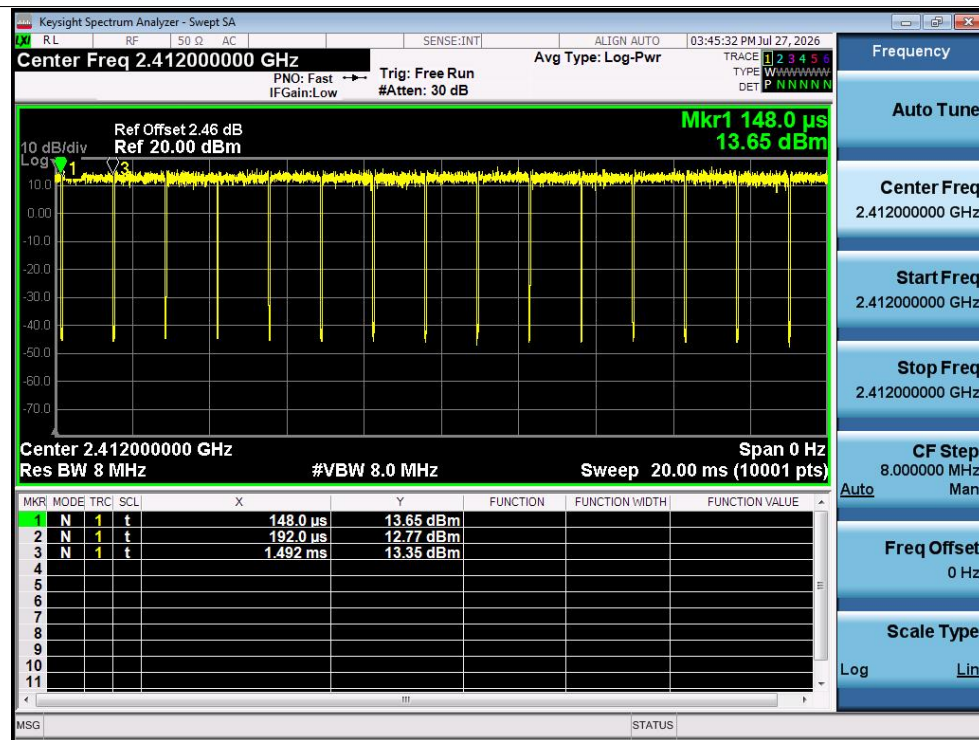
Duty Cycle NVNT b 2437MHz Ant1



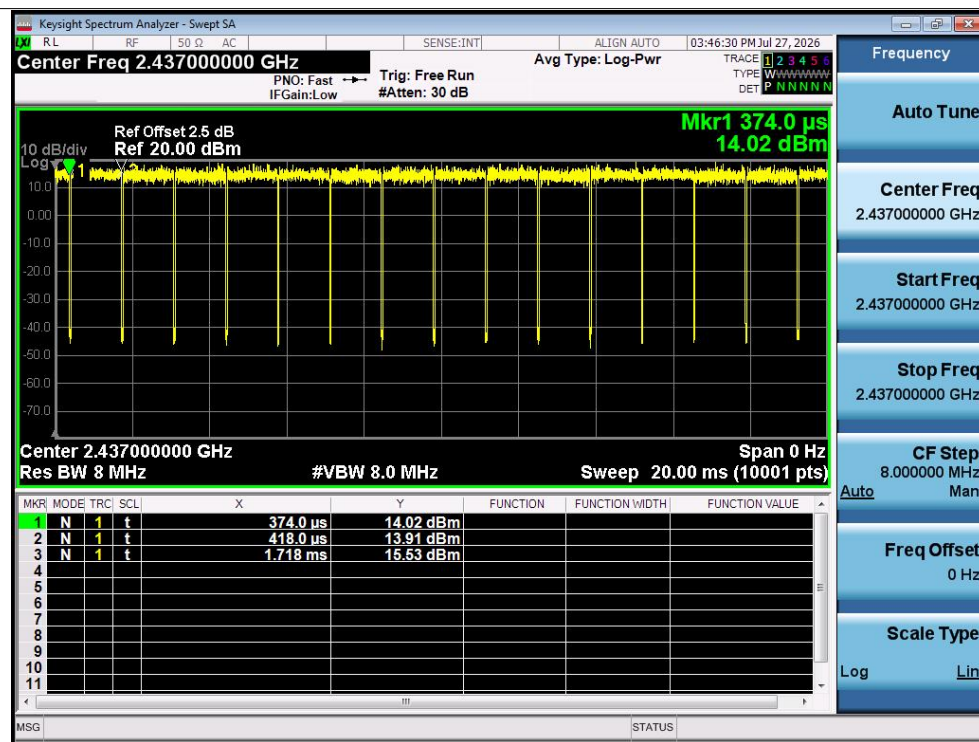


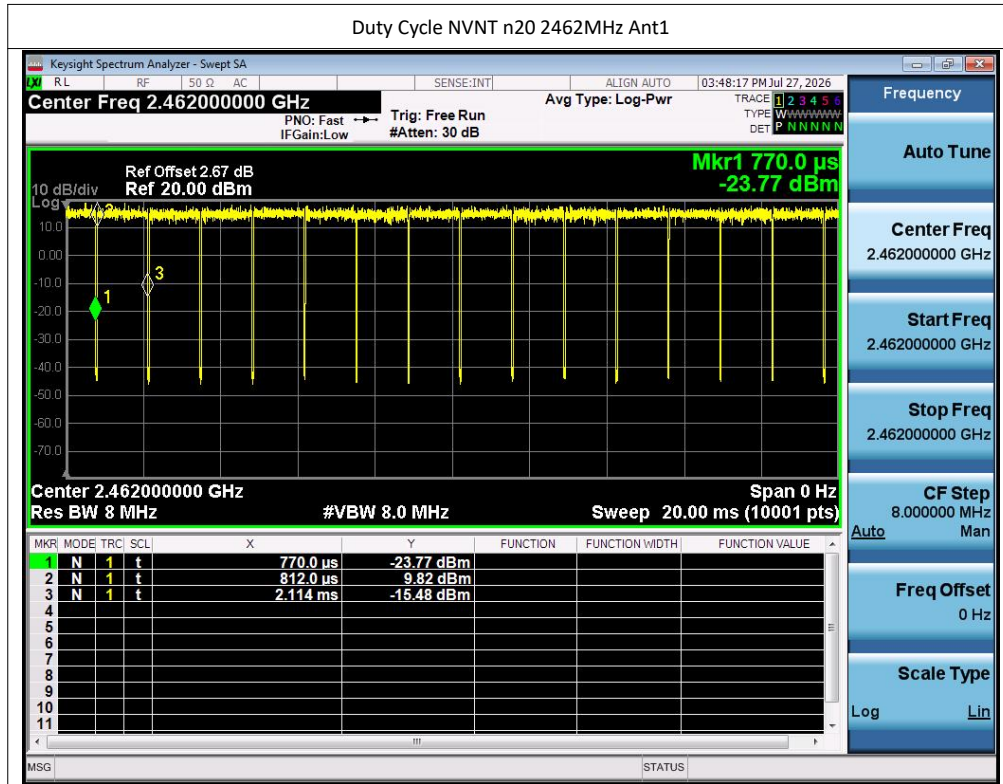


Duty Cycle NVNT n20 2412MHz Ant1



Duty Cycle NVNT n20 2437MHz Ant1



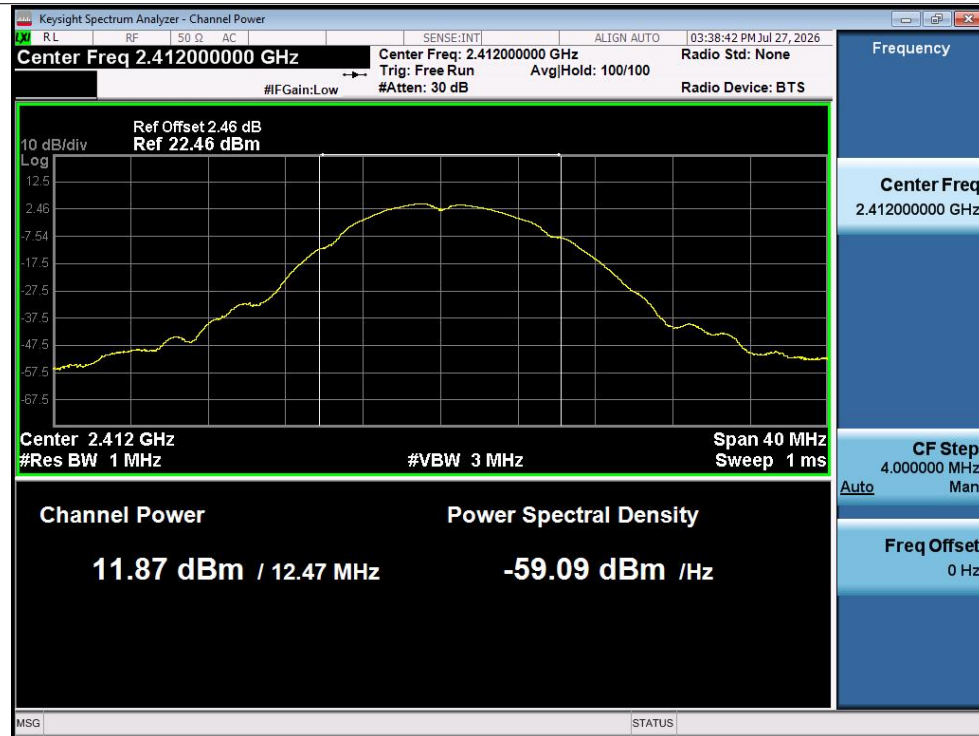


Maximum Conducted Output Power

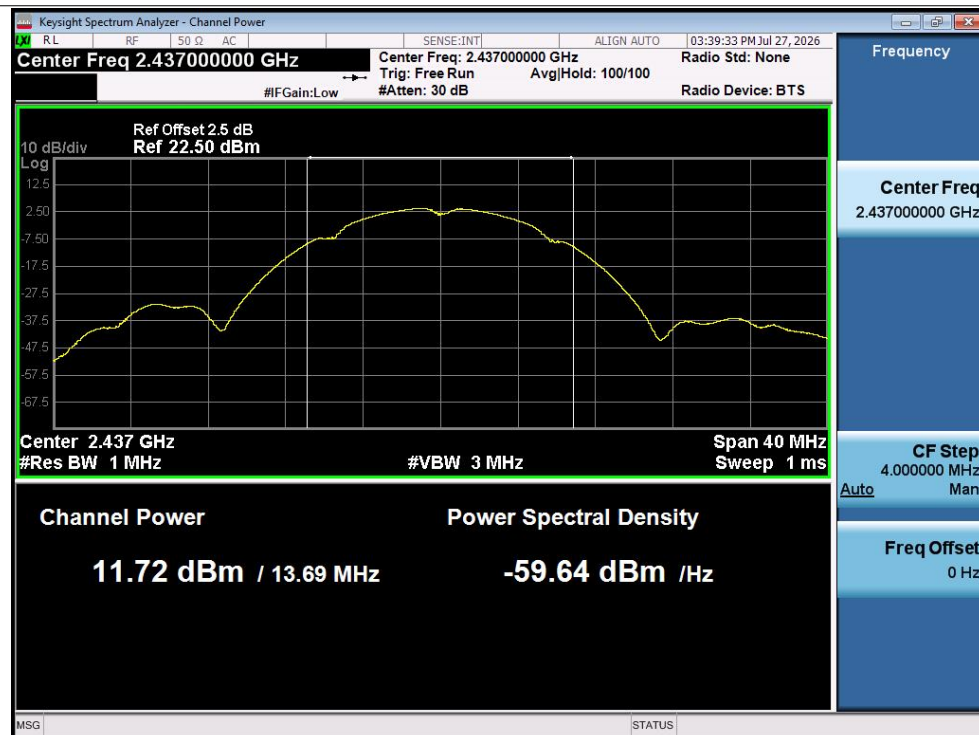
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	11.87	0.02	11.89	30	Pass
NVNT	b	2437	Ant1	11.72	0.02	11.74	30	Pass
NVNT	b	2462	Ant1	12.32	0.02	12.34	30	Pass
NVNT	g	2412	Ant1	12.26	0.13	12.39	30	Pass
NVNT	g	2437	Ant1	11.93	0.13	12.06	30	Pass
NVNT	g	2462	Ant1	12.05	0.13	12.18	30	Pass
NVNT	n20	2412	Ant1	12.11	0.14	12.25	30	Pass
NVNT	n20	2437	Ant1	11.87	0.14	12.01	30	Pass
NVNT	n20	2462	Ant1	11.9	0.14	12.04	30	Pass

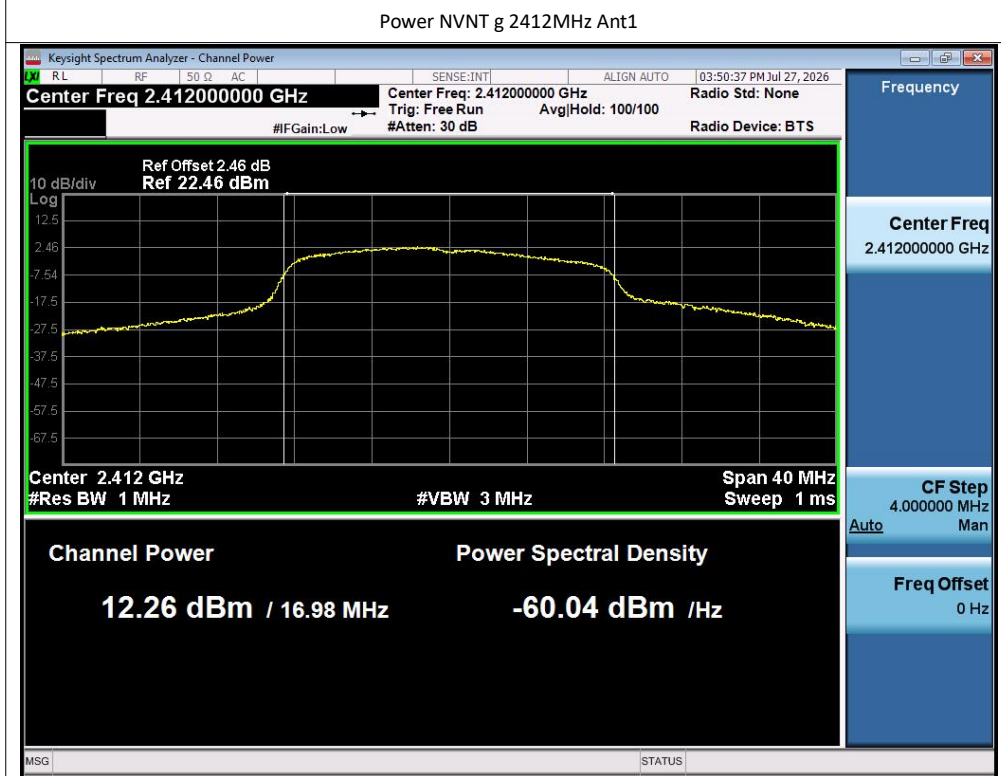
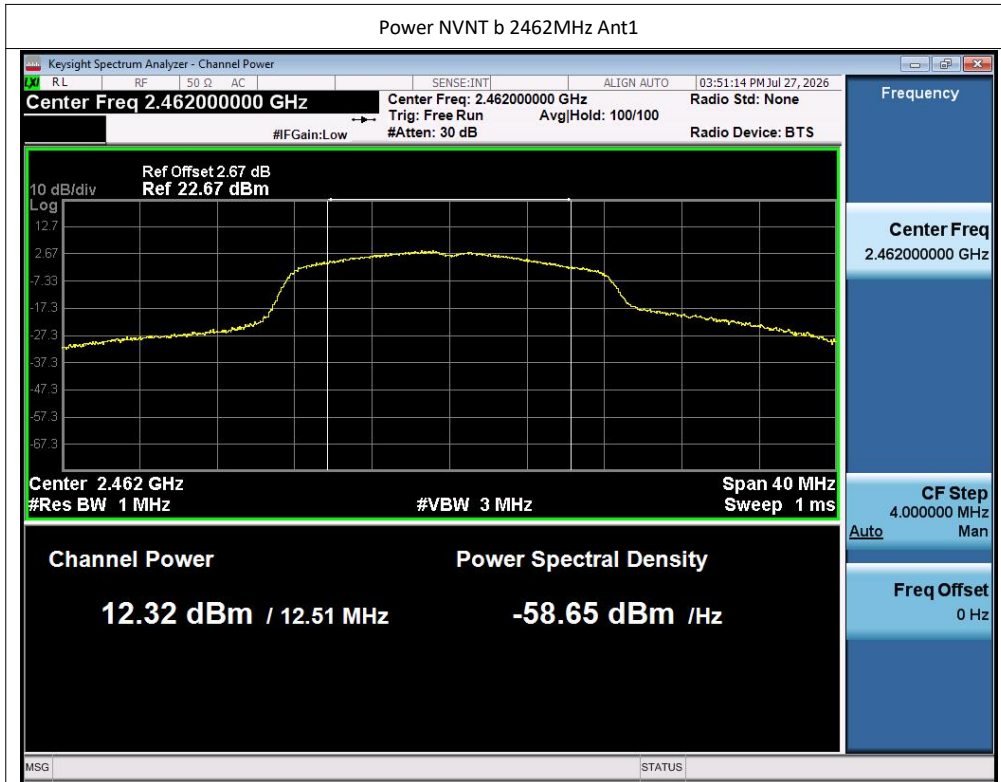
Test Graphs

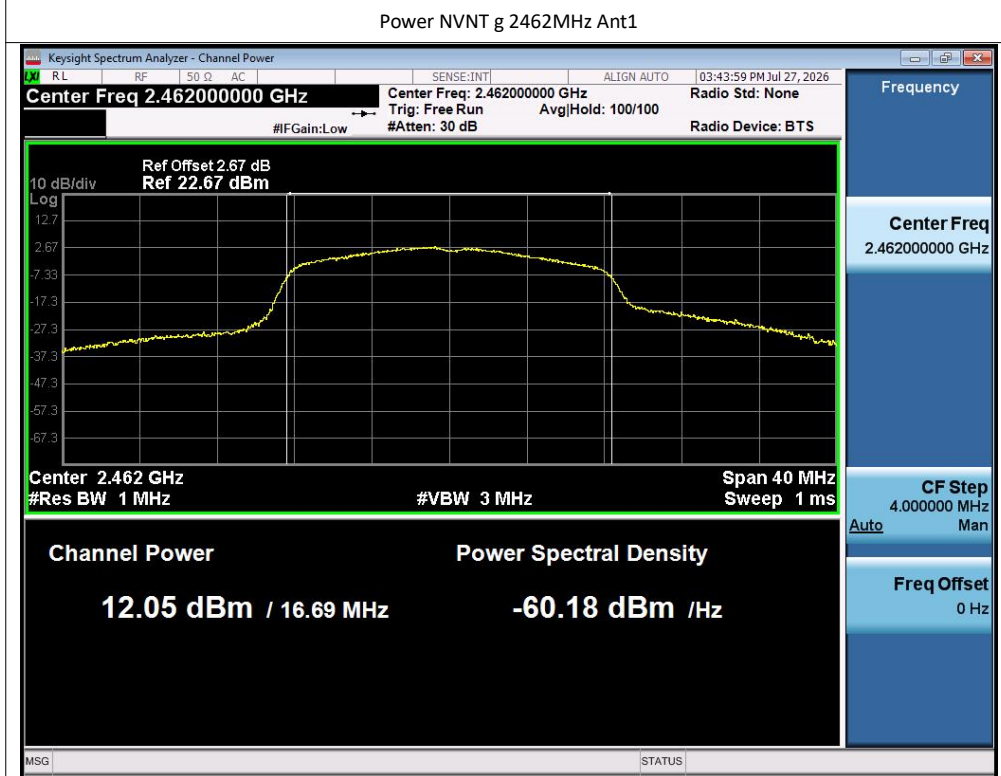
Power NVNT b 2412MHz Ant1

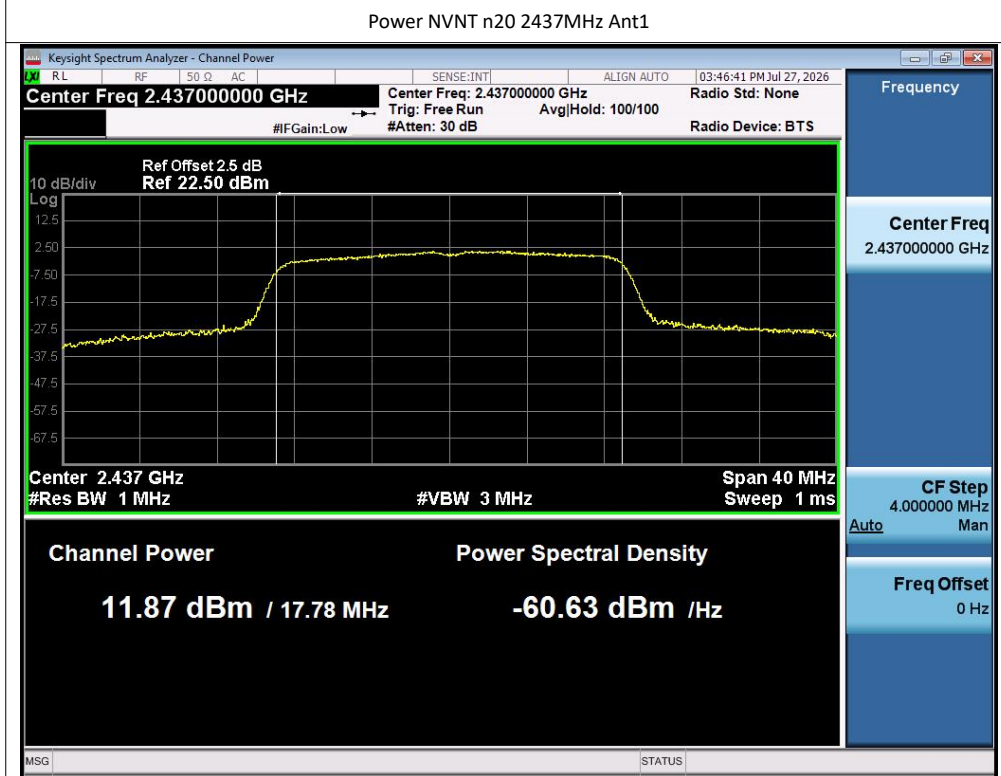
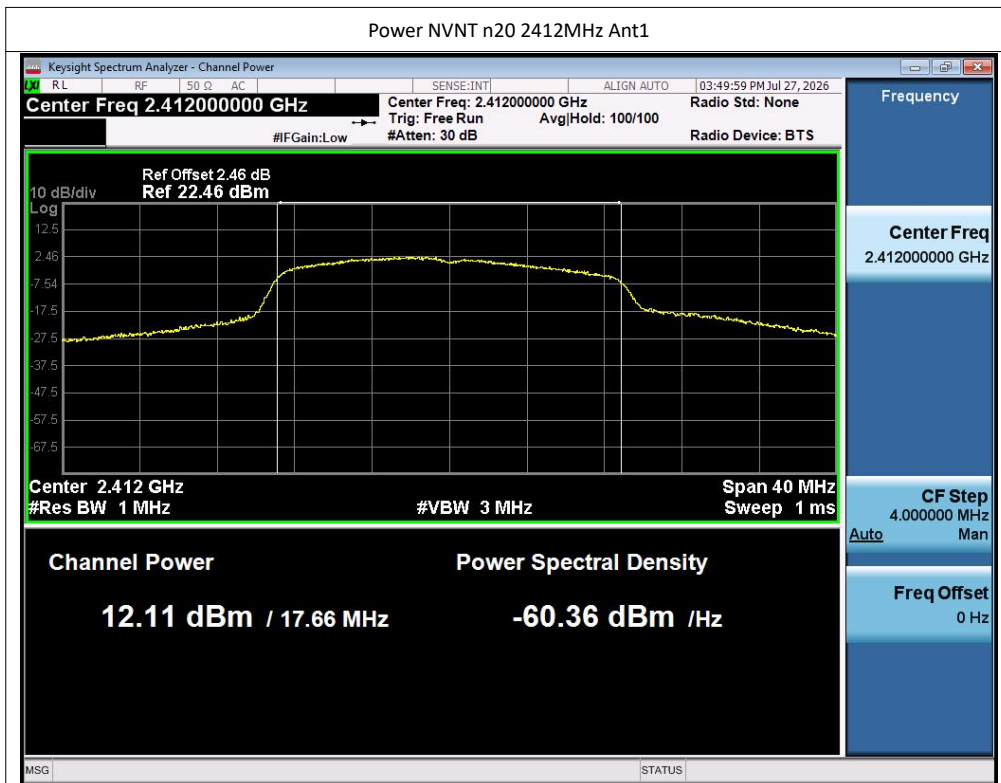


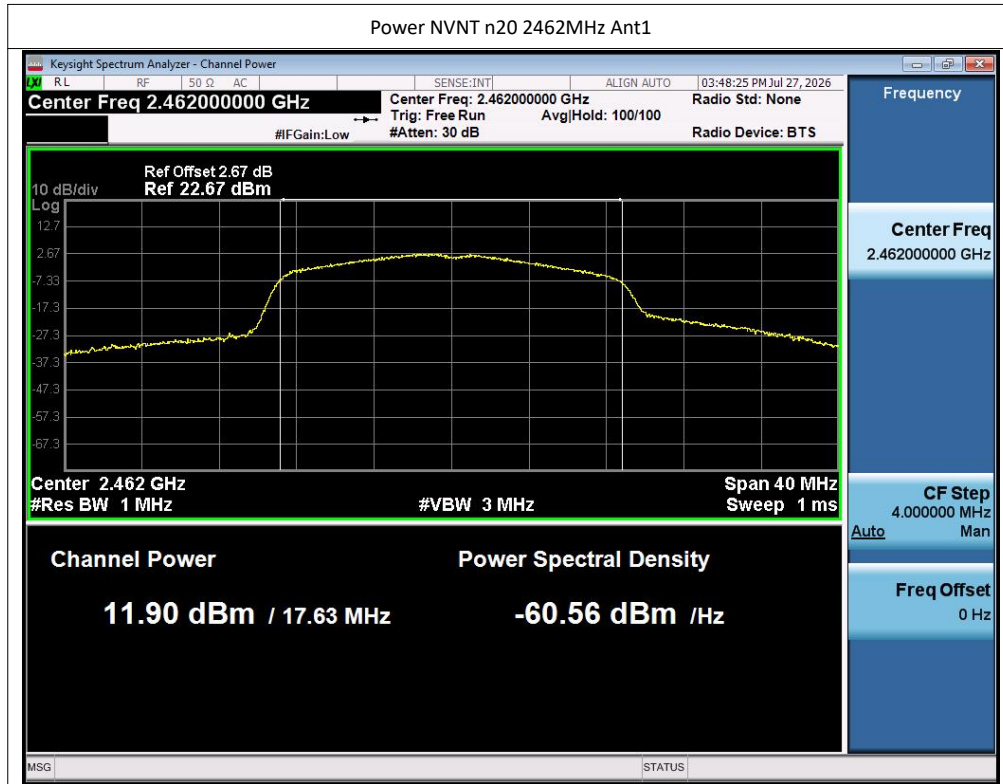
Power NVNT b 2437MHz Ant1











-6dB Bandwidth

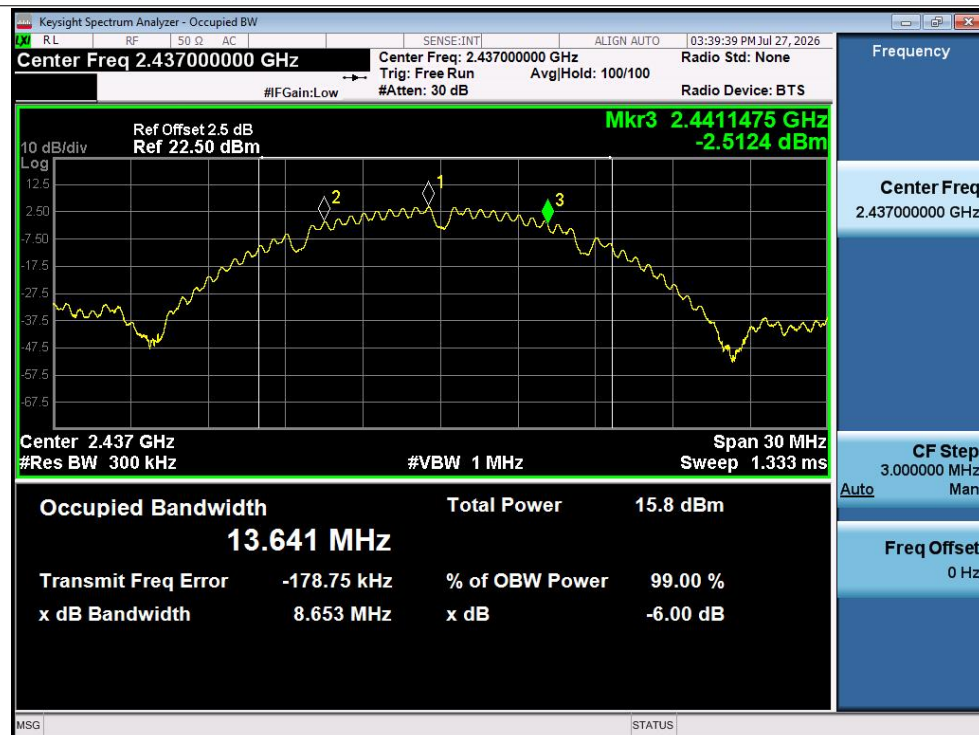
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	7.2	0.5	Pass
NVNT	b	2437	Ant1	8.653	0.5	Pass
NVNT	b	2462	Ant1	7.634	0.5	Pass
NVNT	g	2412	Ant1	13.83	0.5	Pass
NVNT	g	2437	Ant1	16.18	0.5	Pass
NVNT	g	2462	Ant1	14.31	0.5	Pass
NVNT	n20	2412	Ant1	14.53	0.5	Pass
NVNT	n20	2437	Ant1	17.43	0.5	Pass
NVNT	n20	2462	Ant1	14.09	0.5	Pass

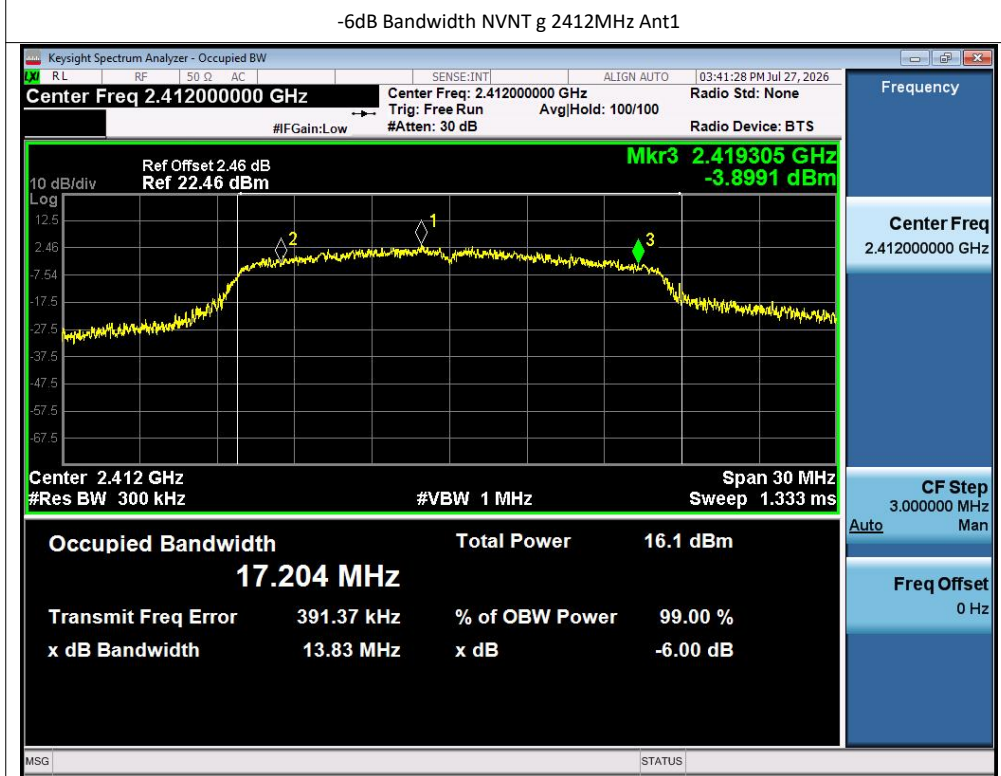
Test Graphs

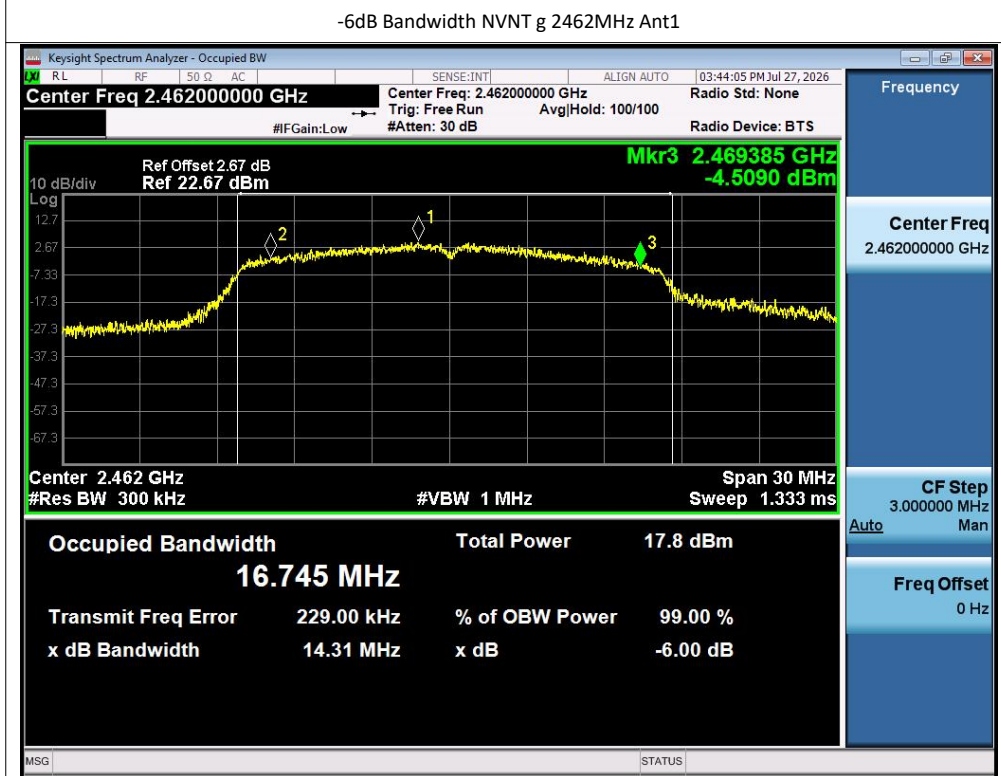
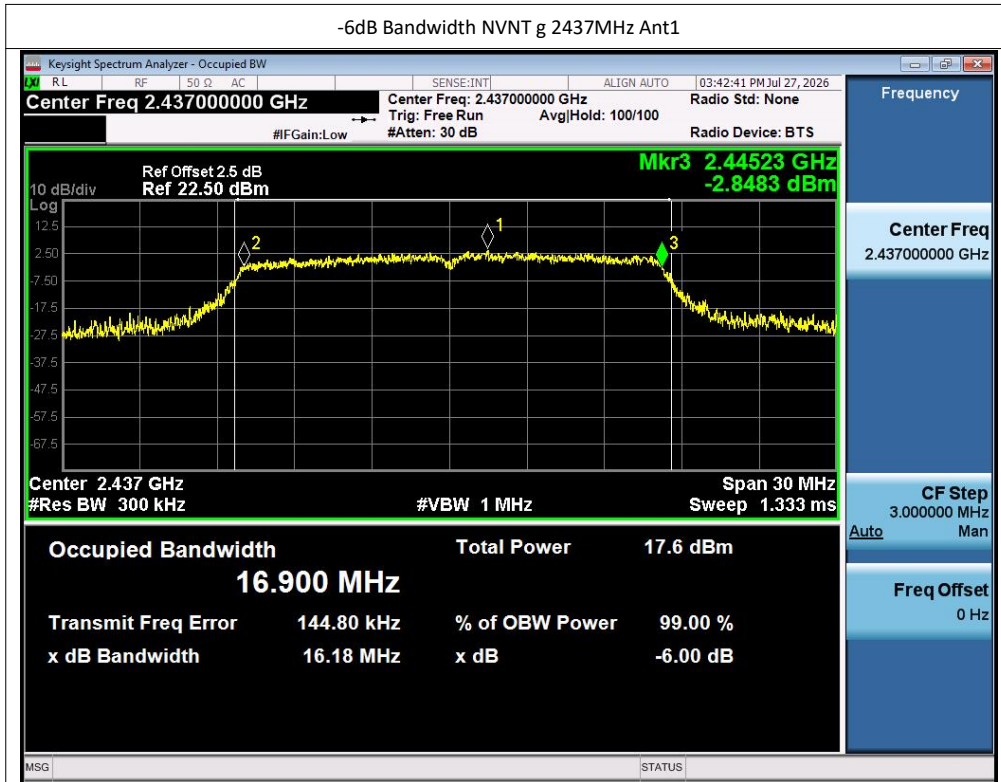
-6dB Bandwidth NVNT b 2412MHz Ant1



-6dB Bandwidth NVNT b 2437MHz Ant1



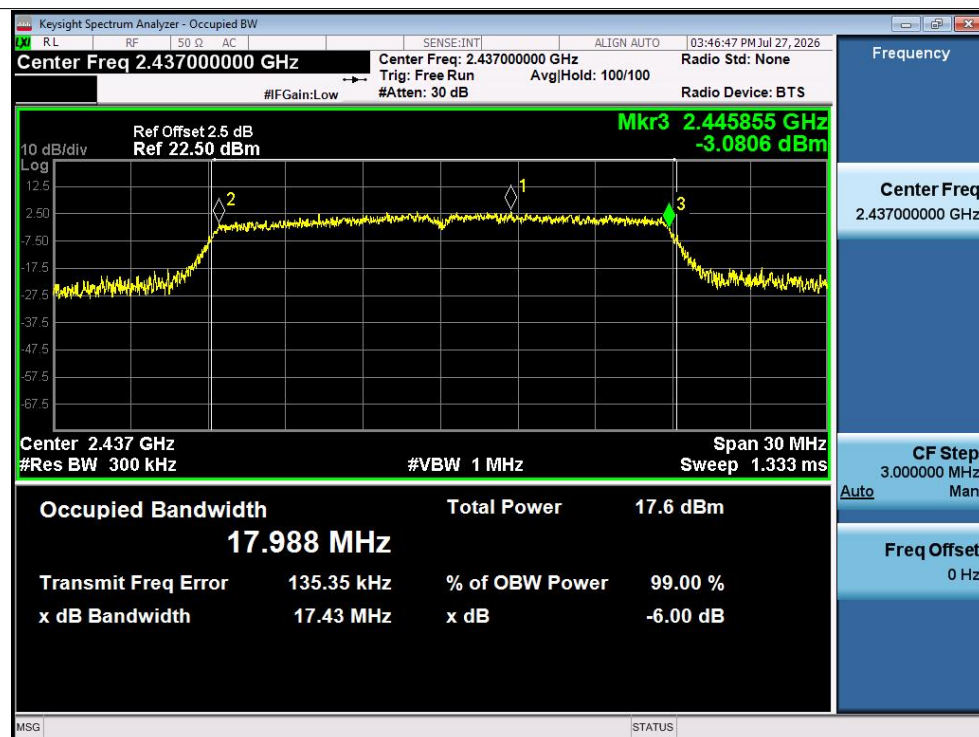


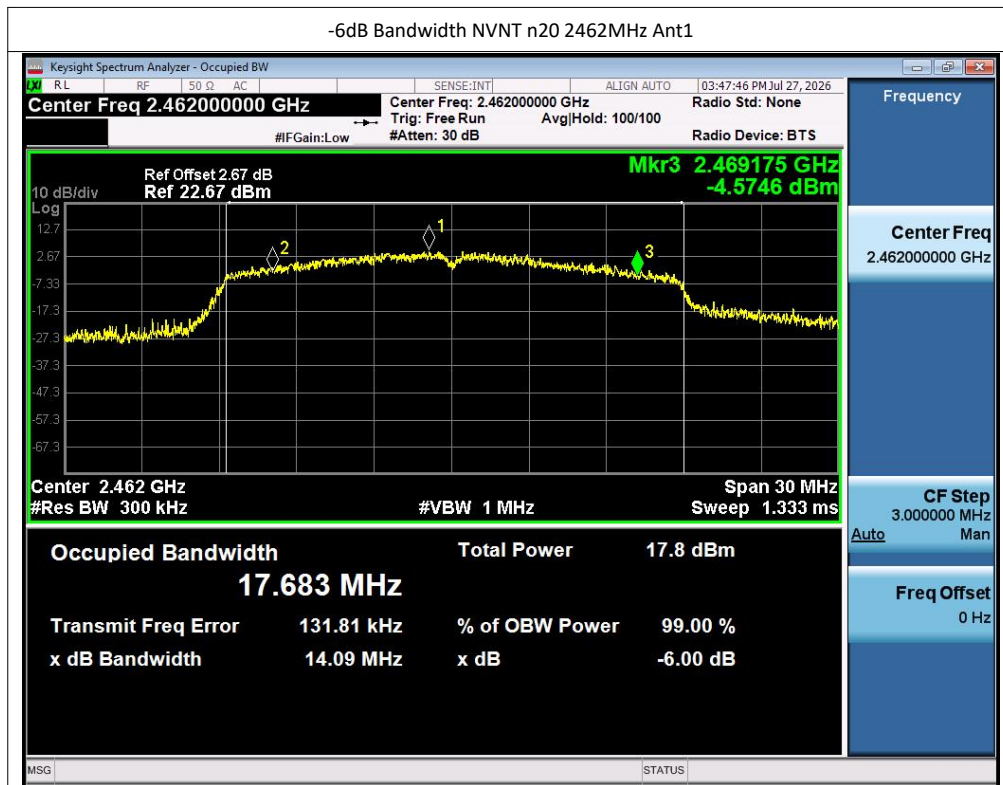


-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1





Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.467
NVNT	b	2437	Ant1	13.688
NVNT	b	2462	Ant1	12.505
NVNT	g	2412	Ant1	16.979
NVNT	g	2437	Ant1	16.703
NVNT	g	2462	Ant1	16.689
NVNT	n20	2412	Ant1	17.663
NVNT	n20	2437	Ant1	17.779
NVNT	n20	2462	Ant1	17.626

Test Graphs

OBW NVNT b 2412MHz Ant1



OBW NVNT b 2437MHz Ant1



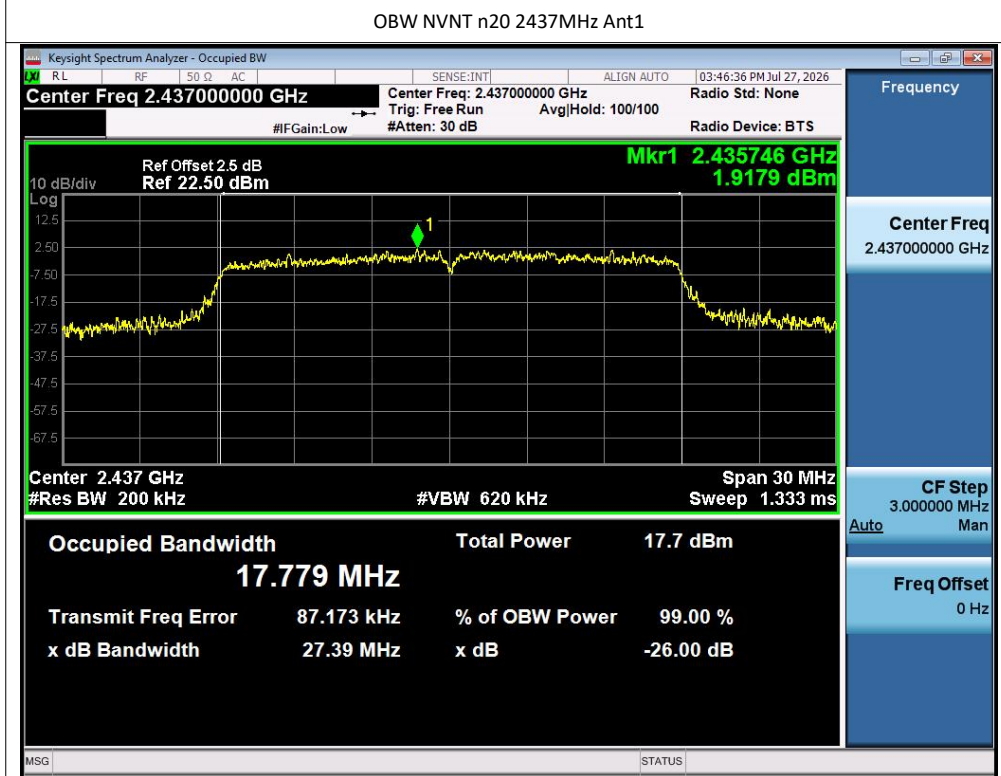


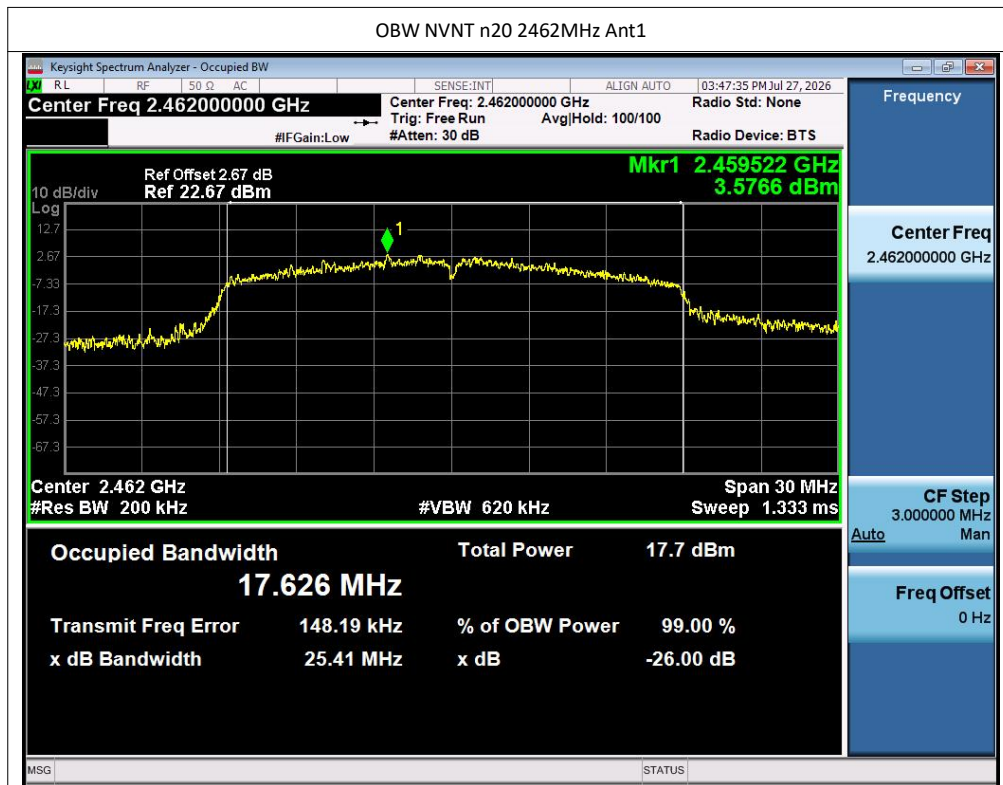
OBW NVNT g 2437MHz Ant1



OBW NVNT g 2462MHz 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	-23.54	0.02	-23.52	8	Pass
NVNT	b	2437	Ant1	-23.37	0.02	-23.35	8	Pass
NVNT	b	2462	Ant1	-23.12	0.02	-23.1	8	Pass
NVNT	g	2412	Ant1	-25.89	0.13	-25.76	8	Pass
NVNT	g	2437	Ant1	-25.98	0.13	-25.85	8	Pass
NVNT	g	2462	Ant1	-25.49	0.13	-25.36	8	Pass
NVNT	n20	2412	Ant1	-25.94	0.14	-25.8	8	Pass
NVNT	n20	2437	Ant1	-25.94	0.14	-25.8	8	Pass
NVNT	n20	2462	Ant1	-25.94	0.14	-25.8	8	Pass