

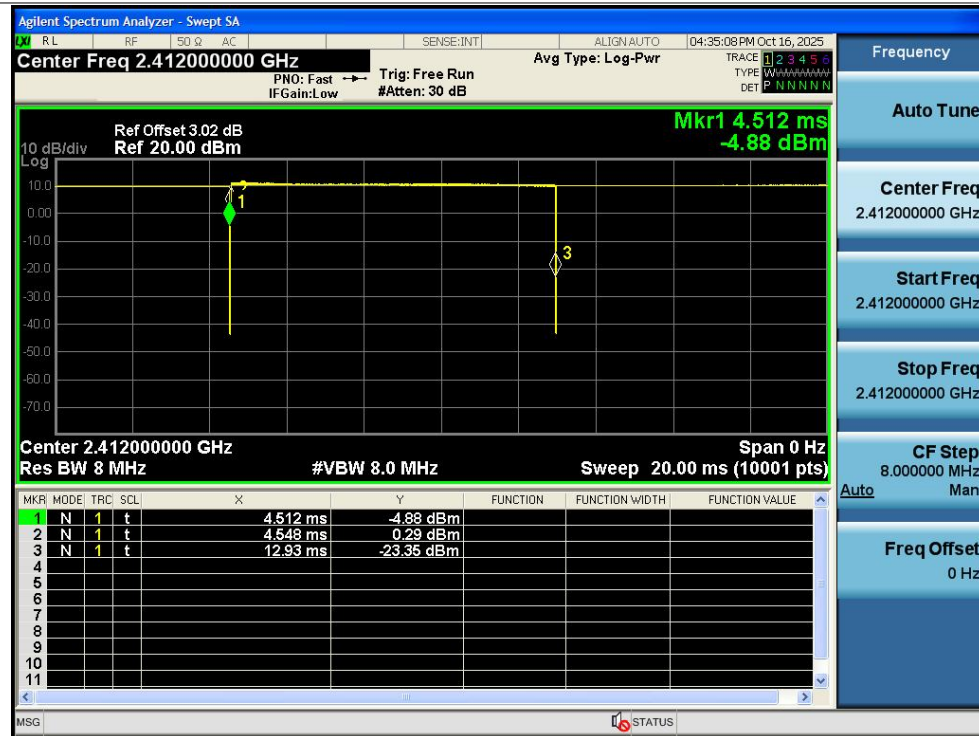
Appendix A 2.4G WIFI

Duty Cycle

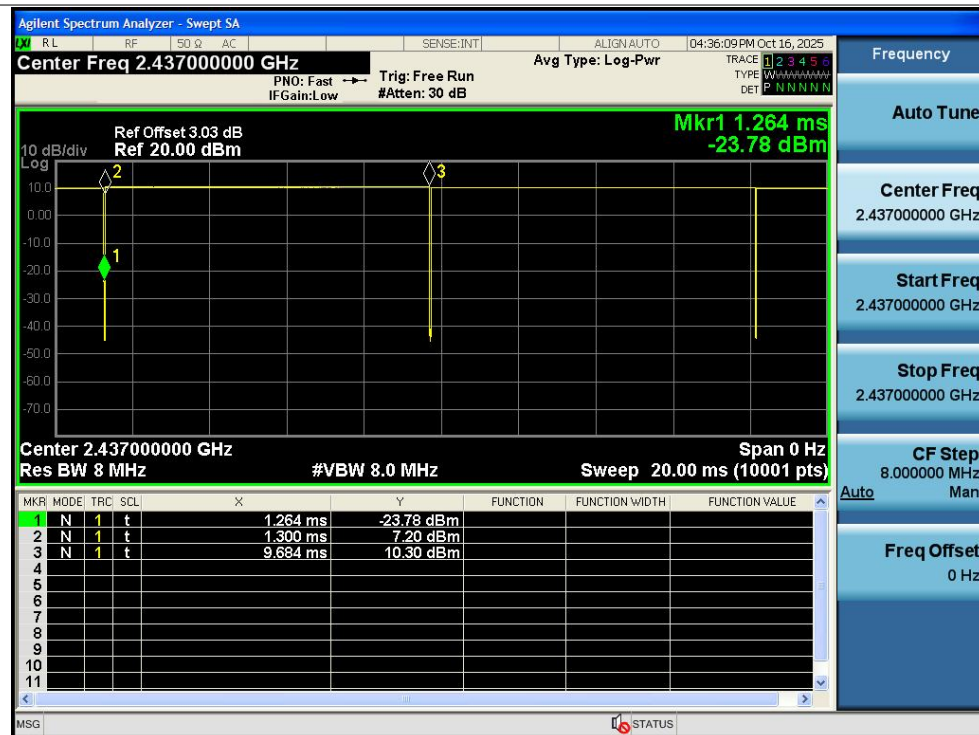
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.57	0.02	0.12
NVNT	b	2437	Ant1	99.57	0.02	0.12
NVNT	b	2462	Ant1	99.55	0.02	0.12
NVNT	g	2412	Ant1	97.08	0.13	0.72
NVNT	g	2437	Ant1	97.08	0.13	0.72
NVNT	g	2462	Ant1	97.08	0.13	0.72
NVNT	n20	2412	Ant1	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	93.64	0.29	1.54

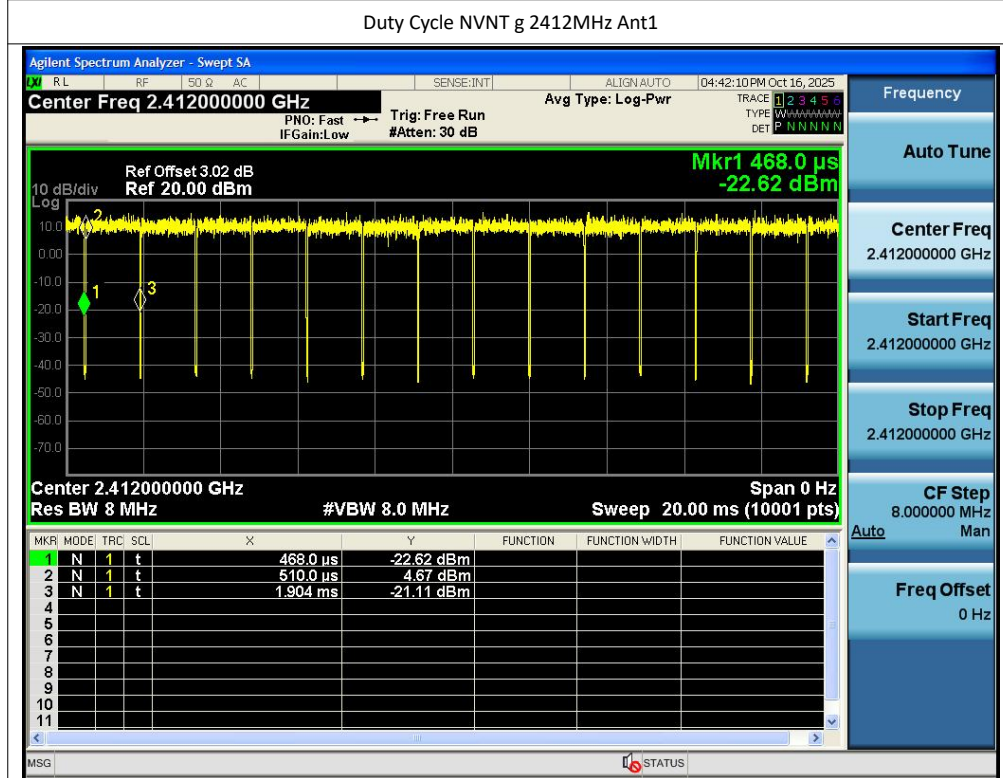
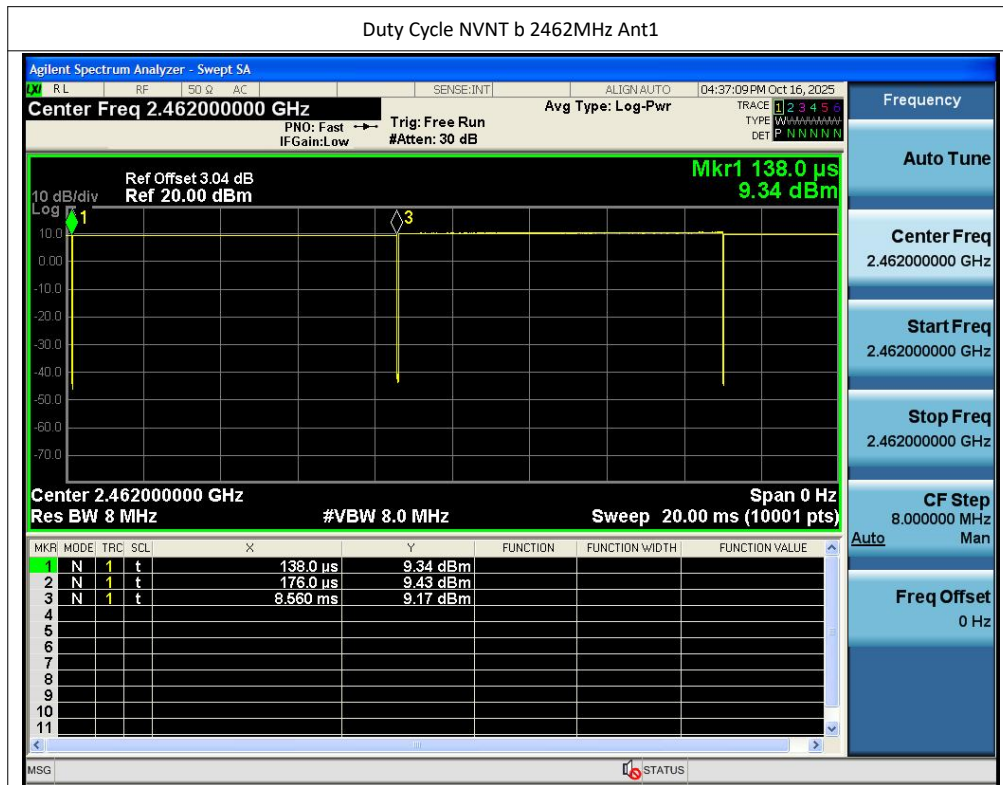
Test Graphs

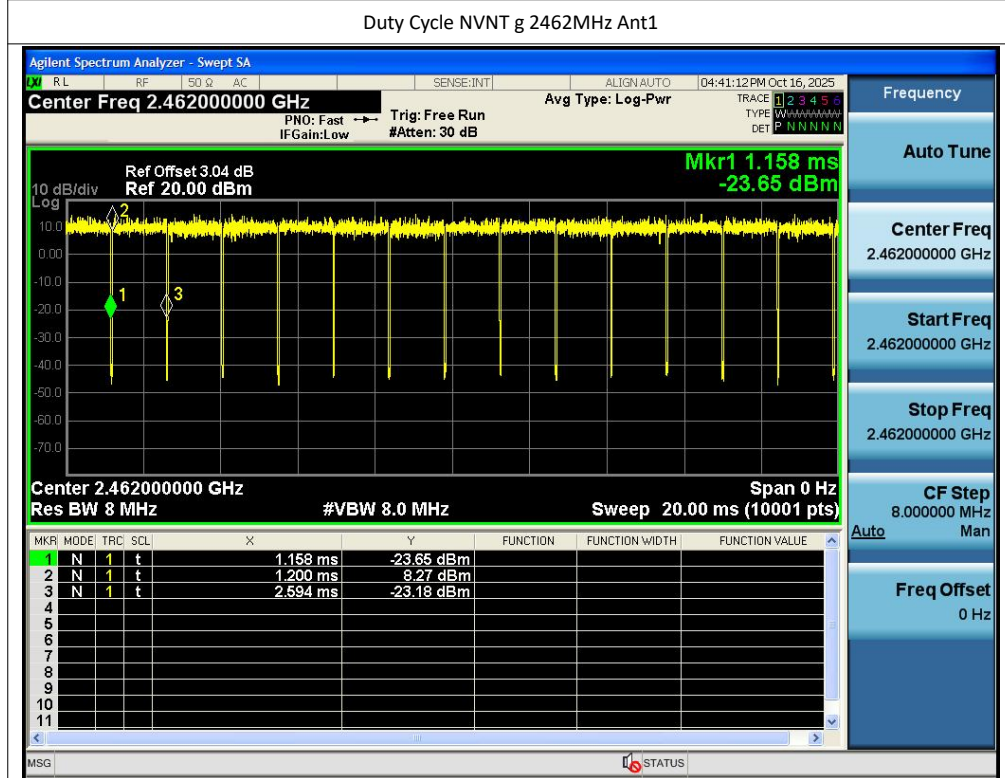
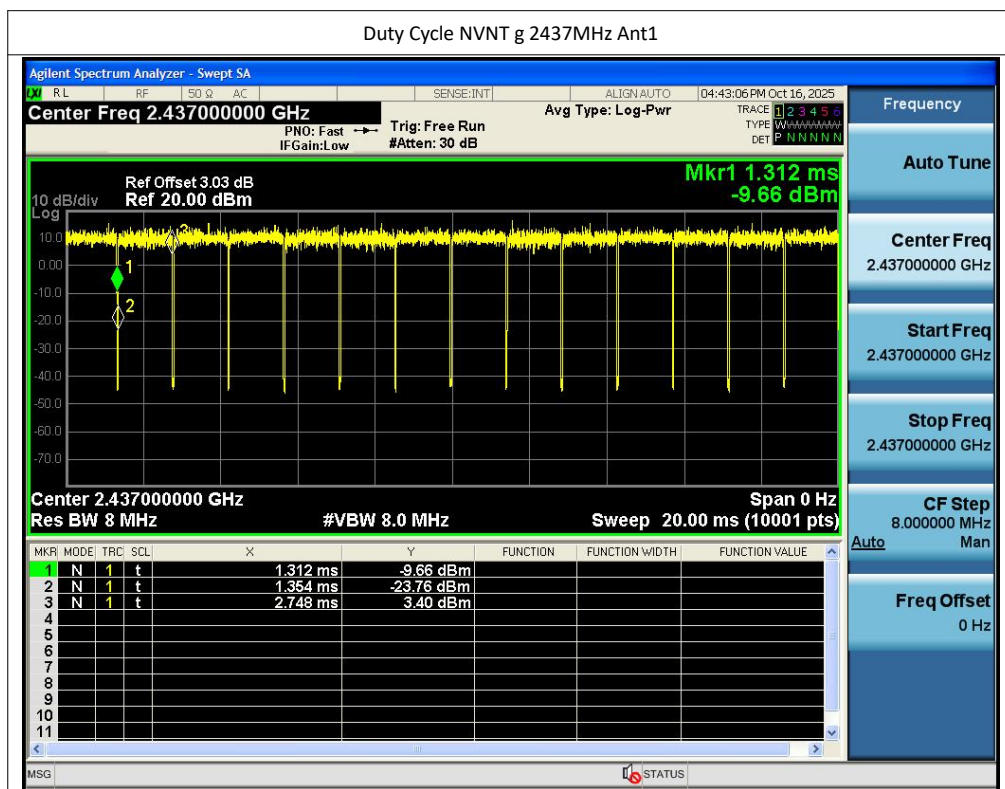
Duty Cycle NVNT b 2412MHz Ant1



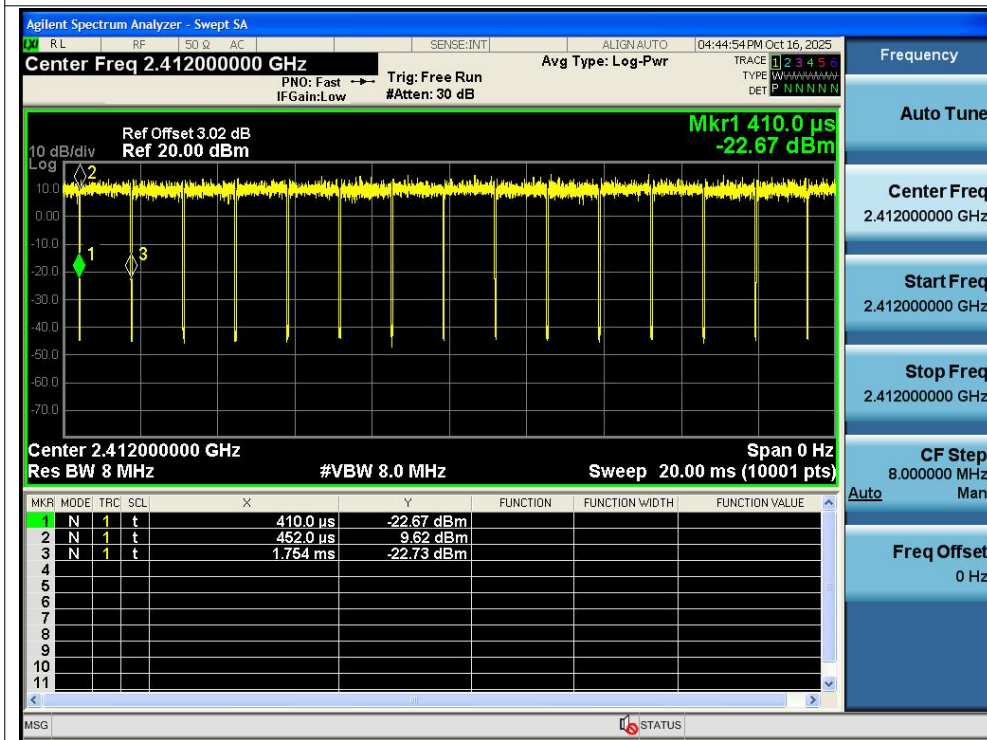
Duty Cycle NVNT b 2437MHz Ant1



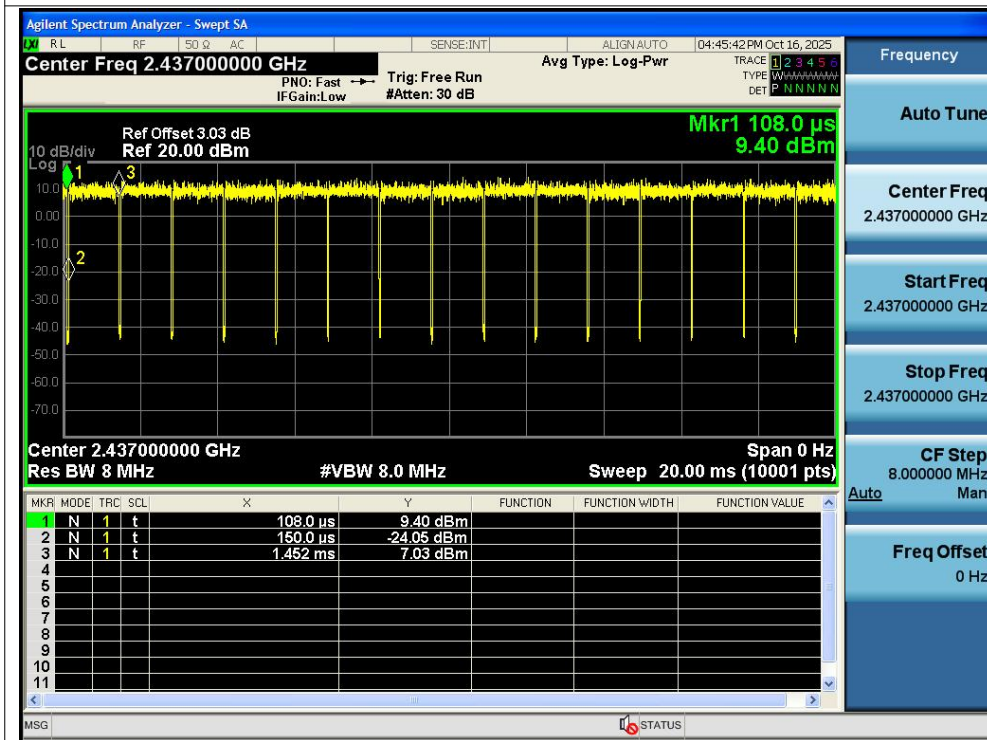




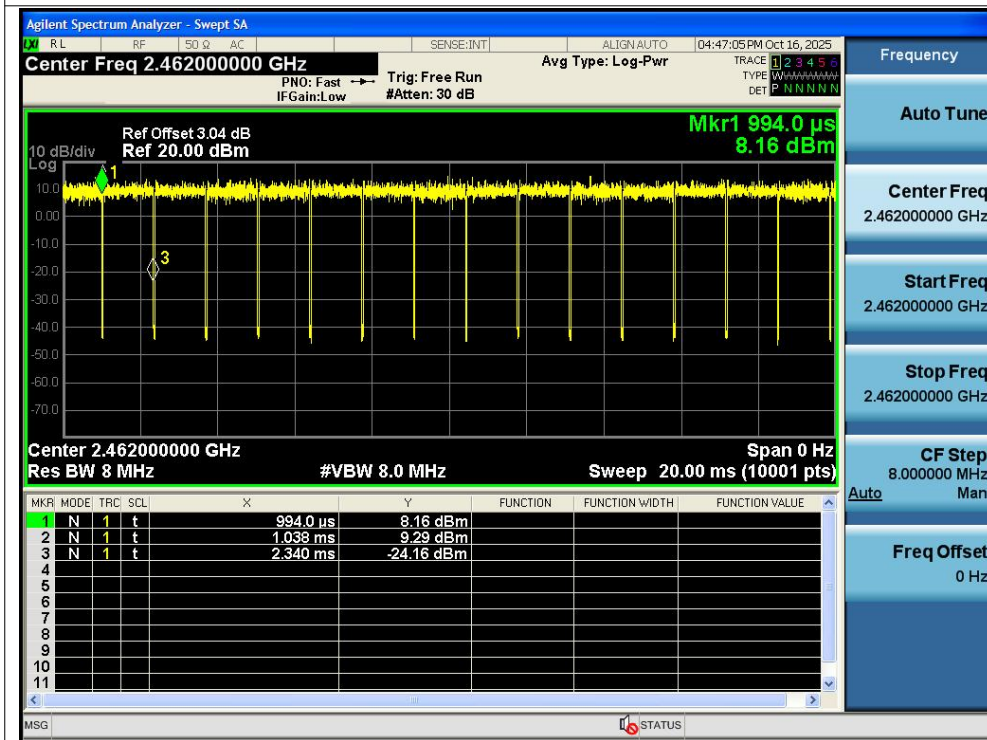
Duty Cycle NVNT n20 2412MHz Ant1



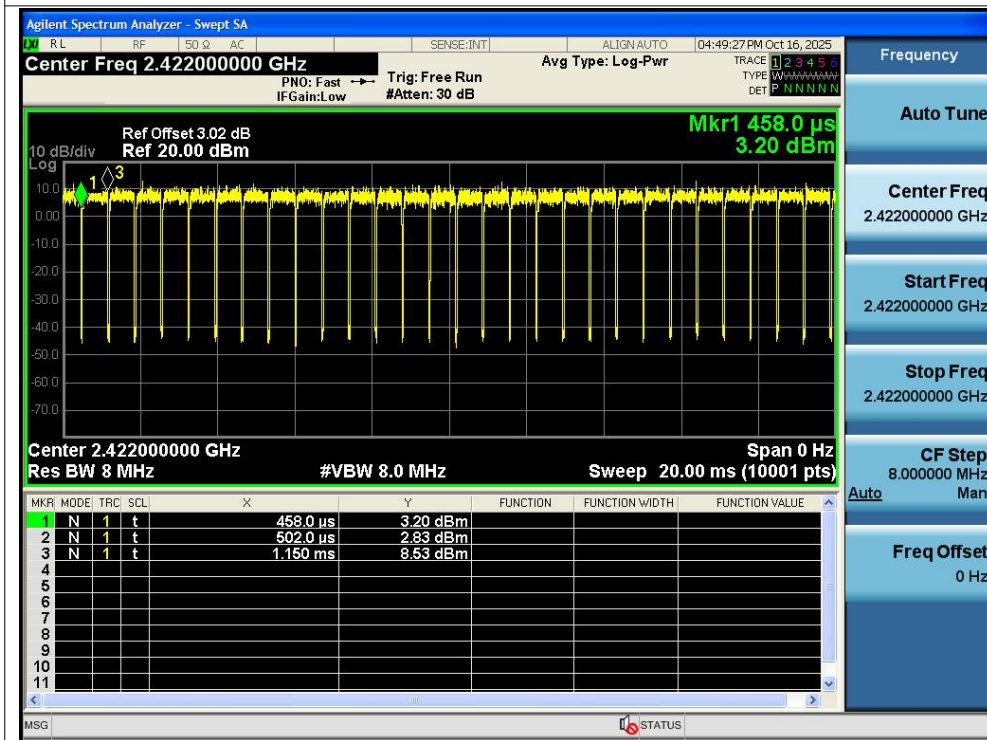
Duty Cycle NVNT n20 2437MHz Ant1



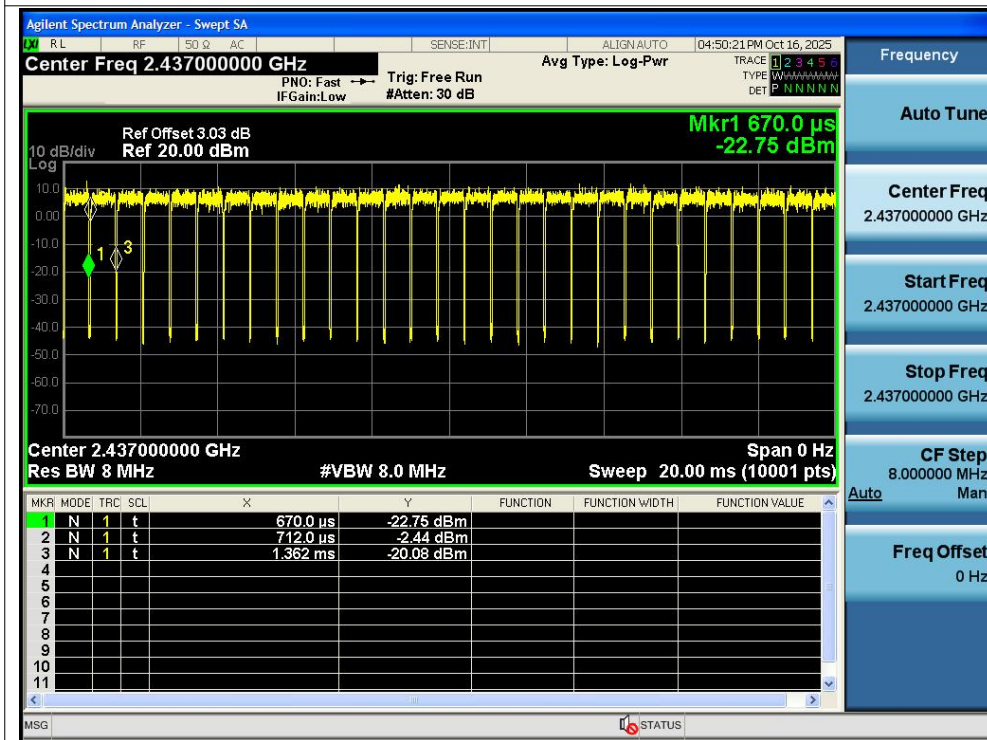
Duty Cycle NVNT n20 2462MHz Ant1



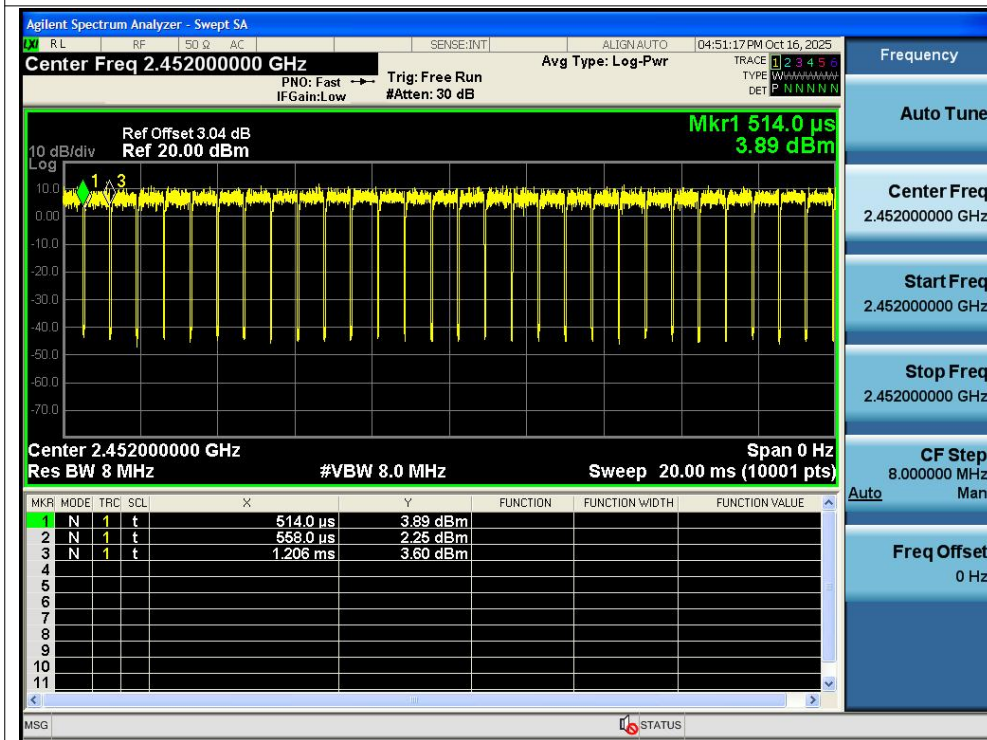
Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



Duty Cycle NVNT n40 2452MHz Ant1

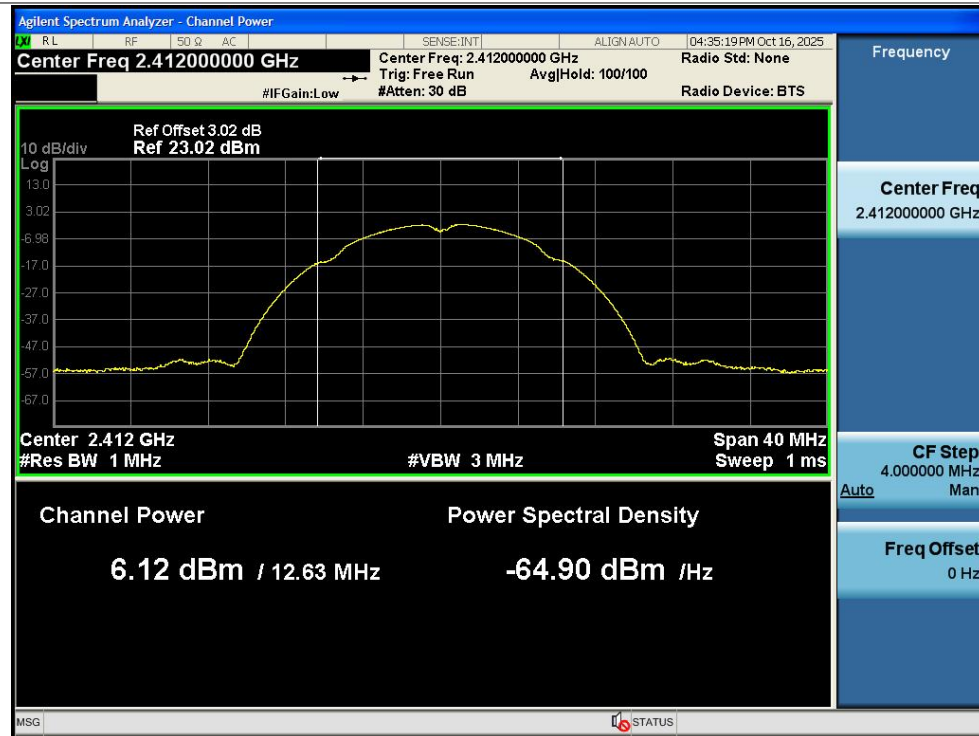


Maximum Conducted Output Power

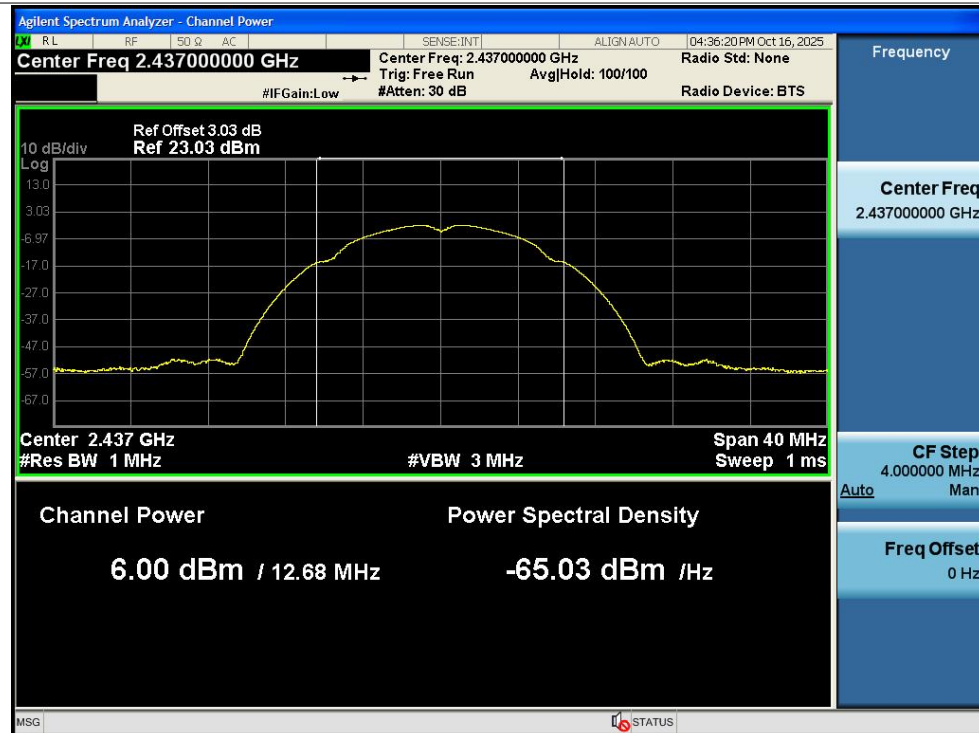
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	6.12	0.02	6.14	30	Pass
NVNT	b	2437	Ant1	6	0.02	6.02	30	Pass
NVNT	b	2462	Ant1	5.69	0.02	5.71	30	Pass
NVNT	g	2412	Ant1	6.99	0.13	7.12	30	Pass
NVNT	g	2437	Ant1	6.9	0.13	7.03	30	Pass
NVNT	g	2462	Ant1	6.69	0.13	6.82	30	Pass
NVNT	n20	2412	Ant1	6.59	0.14	6.73	30	Pass
NVNT	n20	2437	Ant1	6.42	0.14	6.56	30	Pass
NVNT	n20	2462	Ant1	6.32	0.14	6.46	30	Pass
NVNT	n40	2422	Ant1	6.75	0.29	7.04	30	Pass
NVNT	n40	2437	Ant1	6.64	0.27	6.91	30	Pass
NVNT	n40	2452	Ant1	6.57	0.29	6.86	30	Pass

Test Graphs

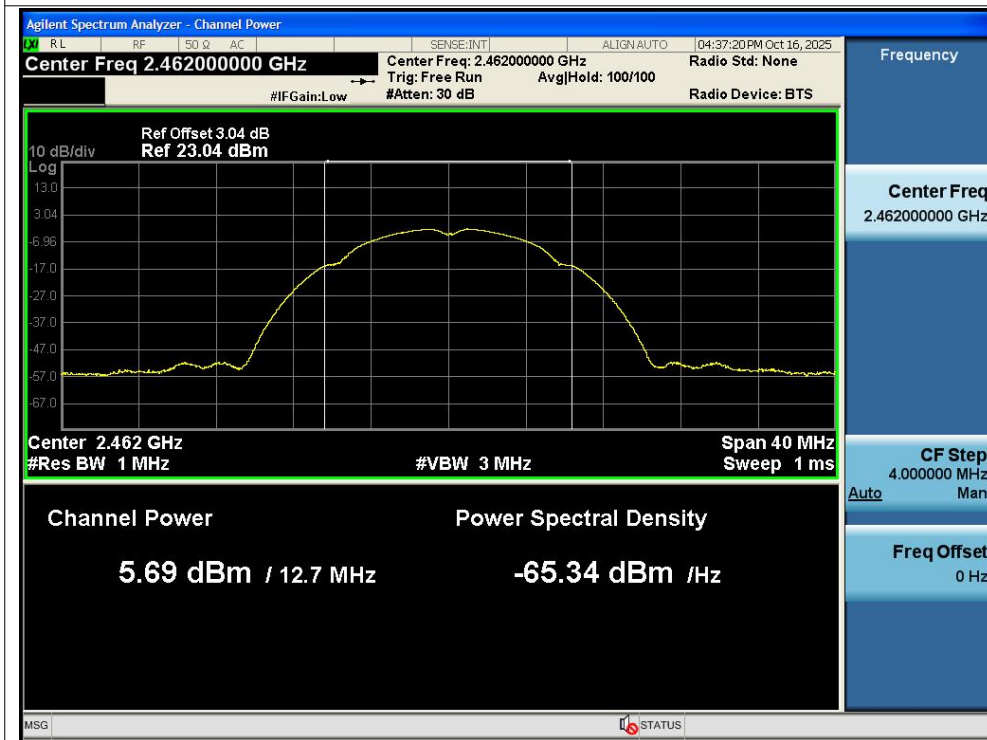
Power NVNT b 2412MHz Ant1



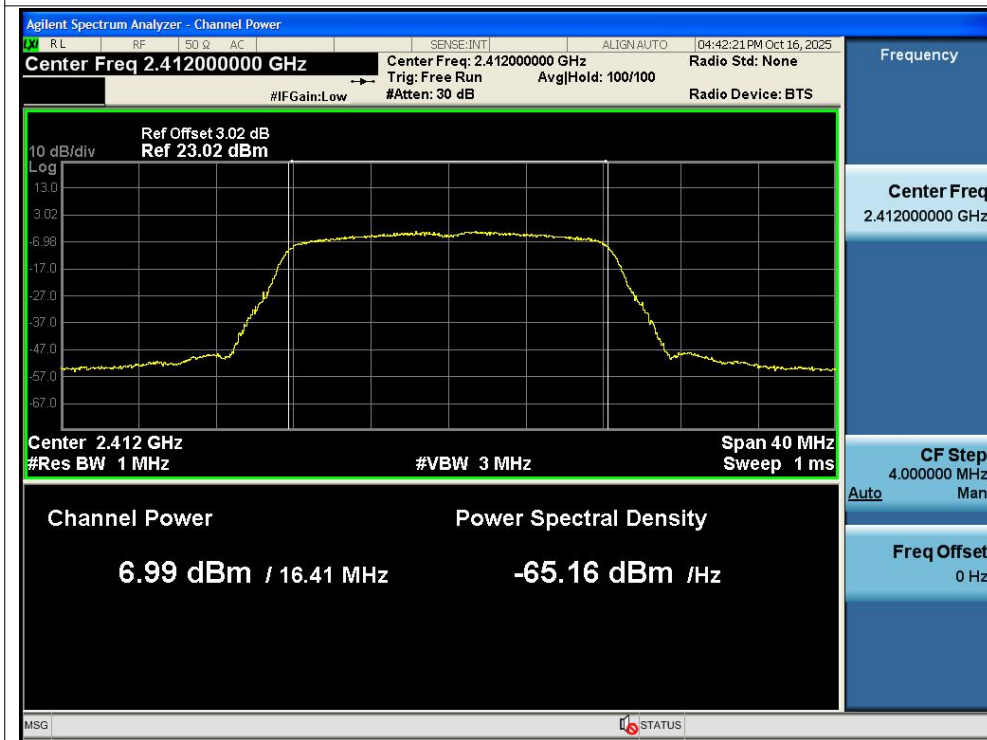
Power NVNT b 2437MHz Ant1



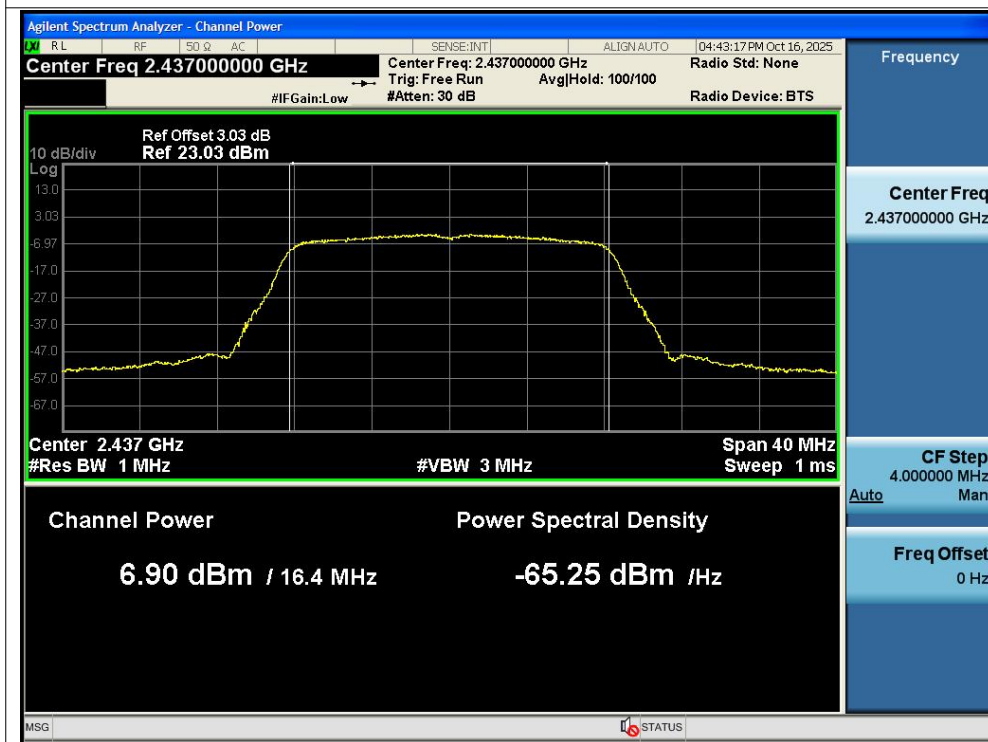
Power NVNT b 2462MHz Ant1



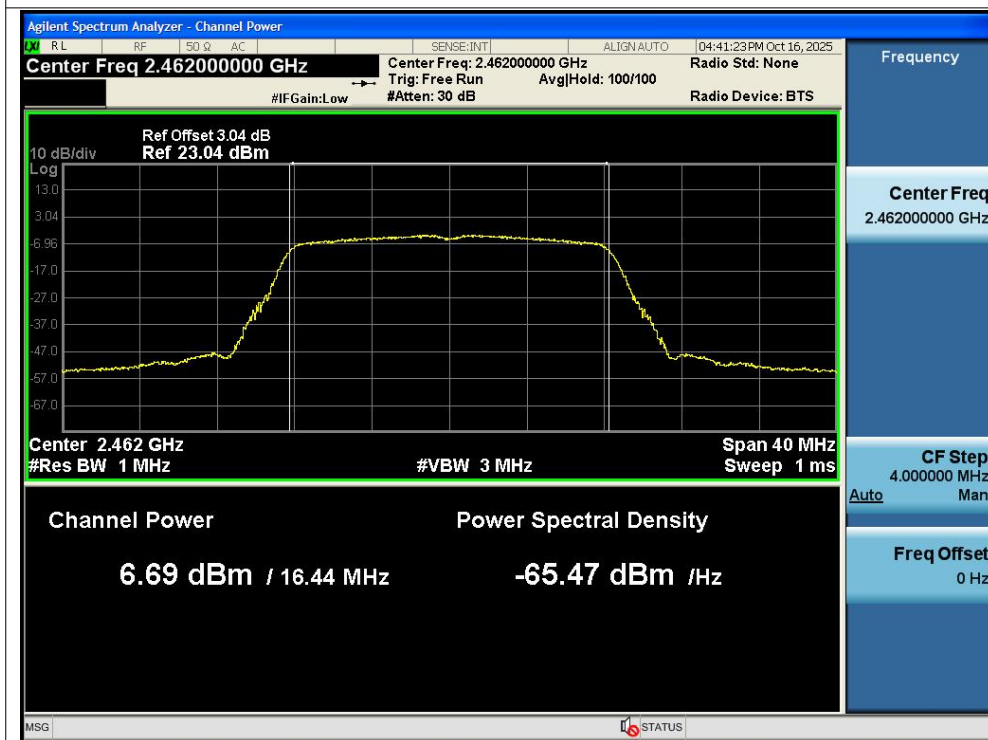
Power NVNT g 2412MHz Ant1

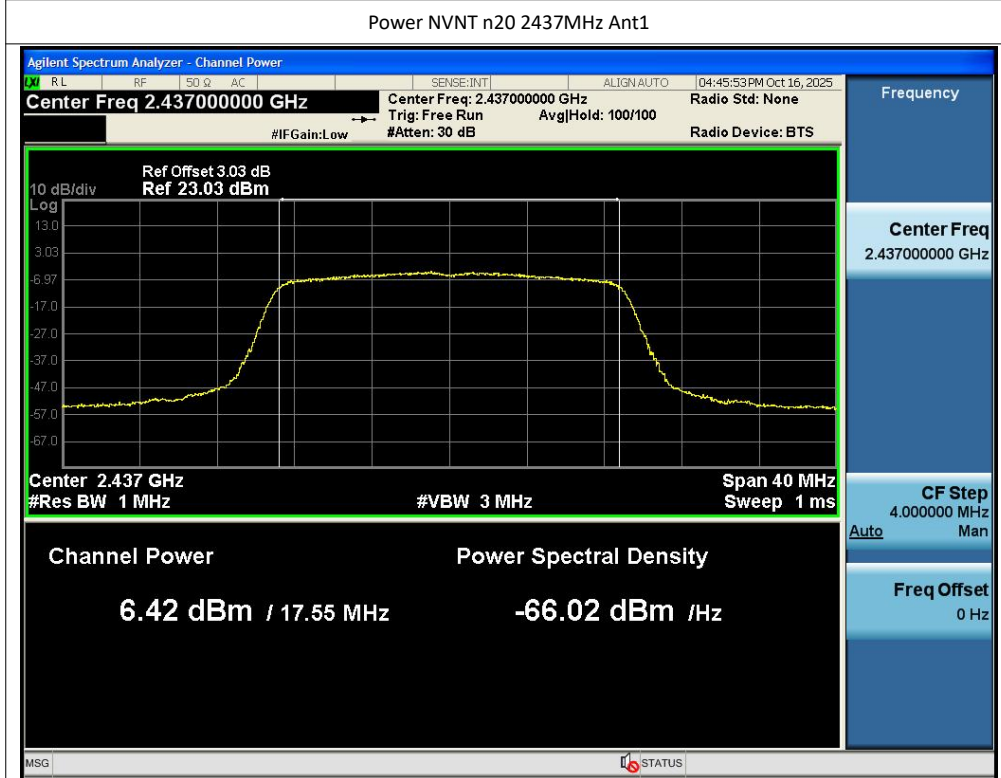
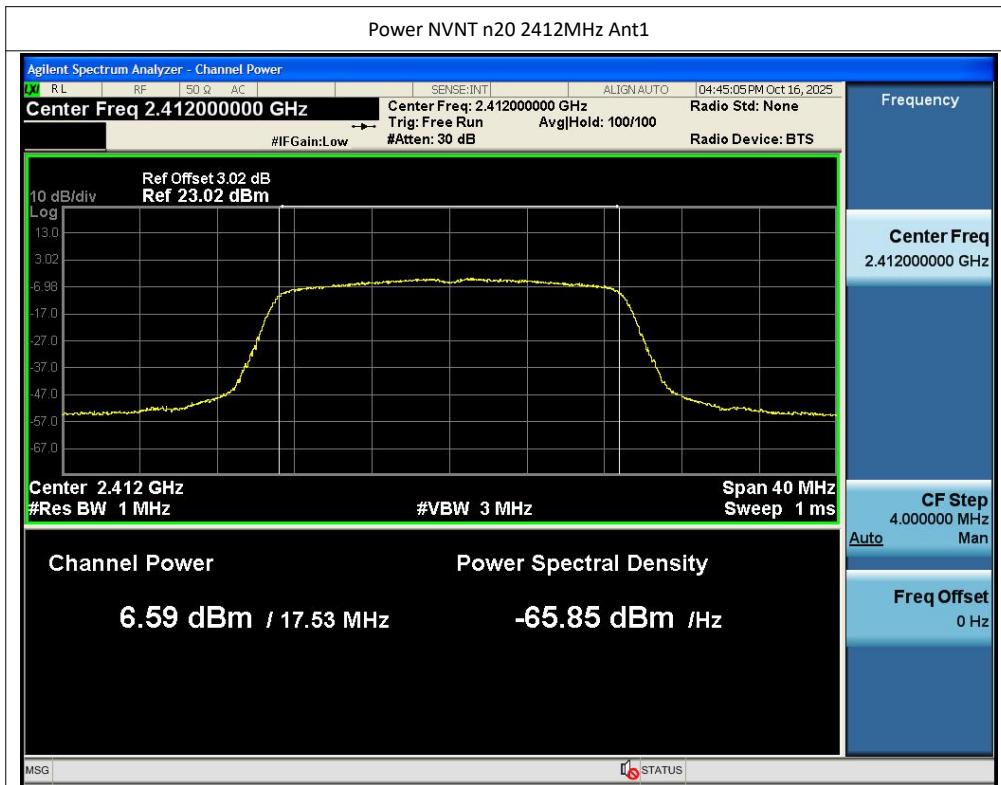


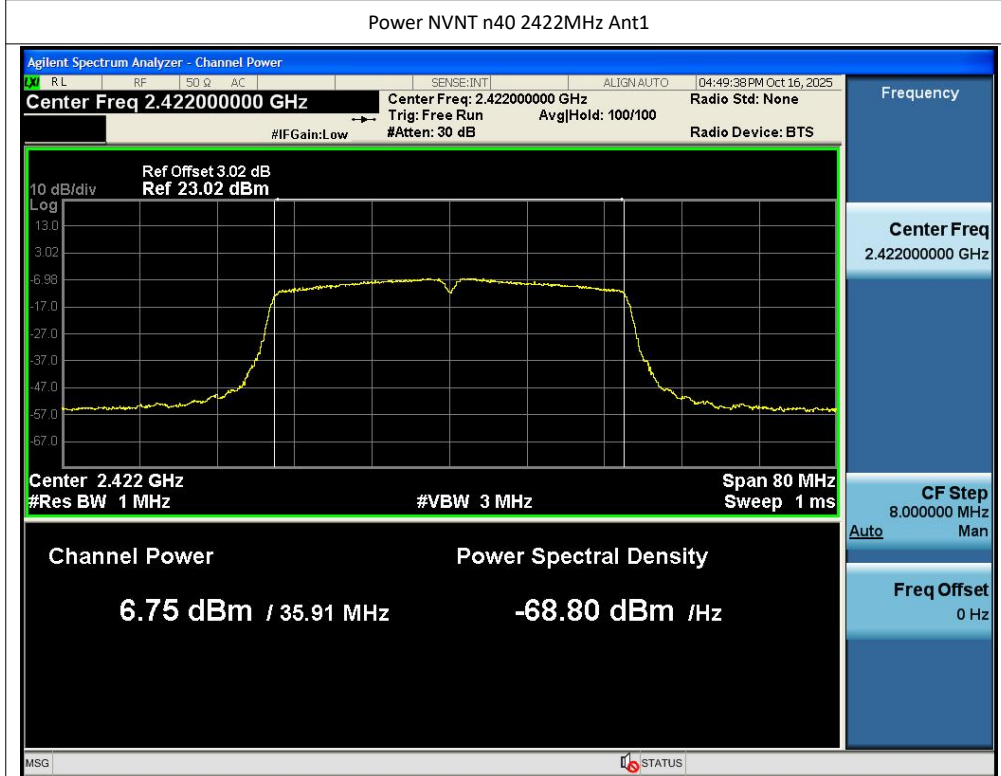
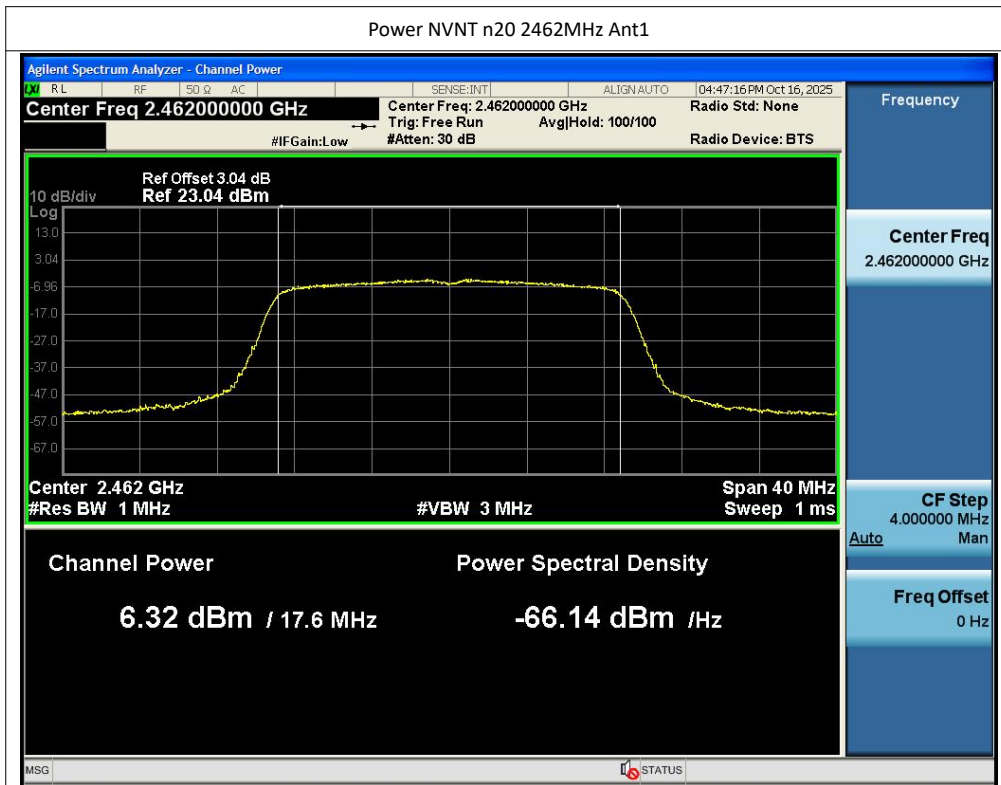
Power NVNT g 2437MHz Ant1



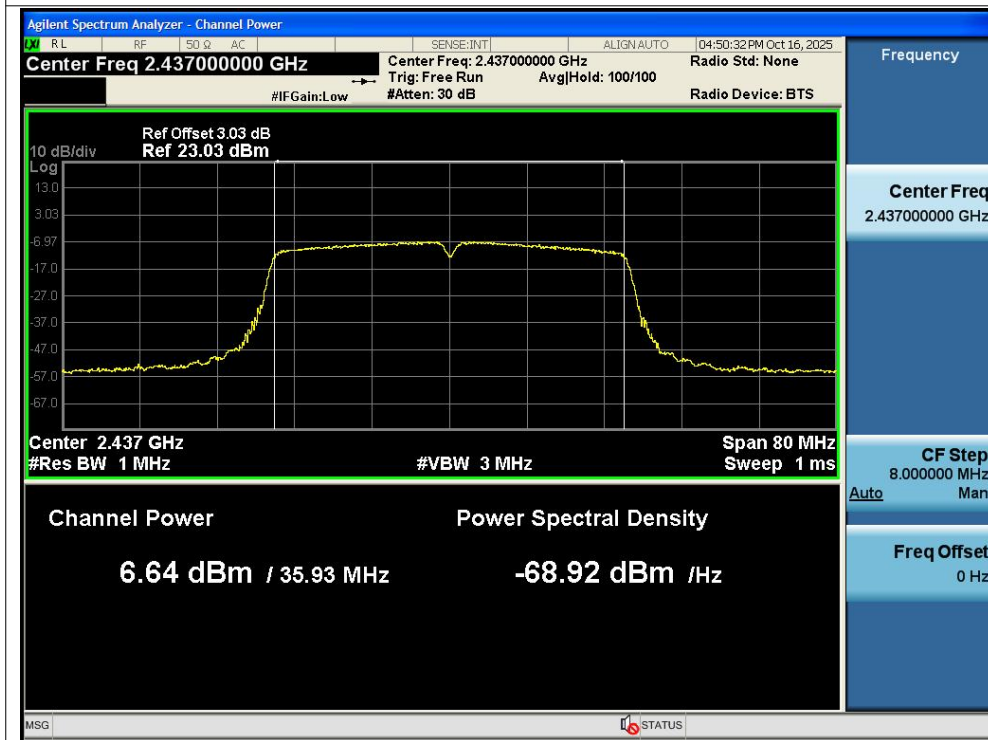
Power NVNT g 2462MHz Ant1



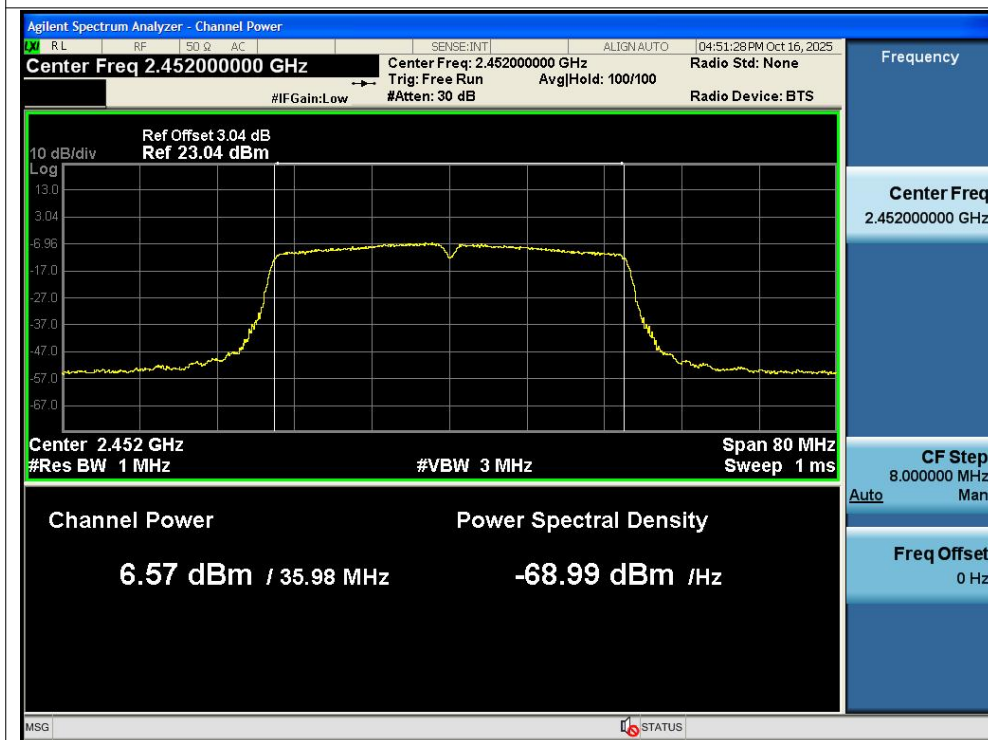




Power NVNT n40 2437MHz Ant1



Power NVNT n40 2452MHz Ant1



-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.087	0.5	Pass
NVNT	b	2437	Ant1	8.105	0.5	Pass
NVNT	b	2462	Ant1	8.116	0.5	Pass
NVNT	g	2412	Ant1	15.51	0.5	Pass
NVNT	g	2437	Ant1	15.95	0.5	Pass
NVNT	g	2462	Ant1	16.05	0.5	Pass
NVNT	n20	2412	Ant1	16.31	0.5	Pass
NVNT	n20	2437	Ant1	16.78	0.5	Pass
NVNT	n20	2462	Ant1	17.4	0.5	Pass
NVNT	n40	2422	Ant1	31.66	0.5	Pass
NVNT	n40	2437	Ant1	34.11	0.5	Pass
NVNT	n40	2452	Ant1	36.22	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



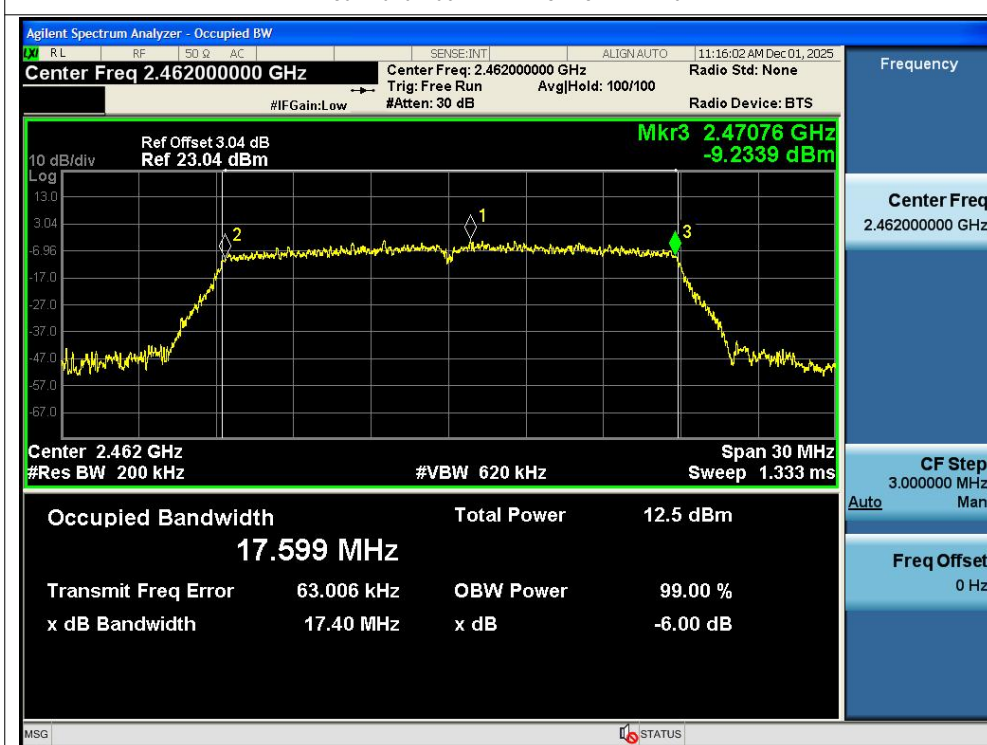
-6dB Bandwidth NVNT n20 2412MHz Ant1



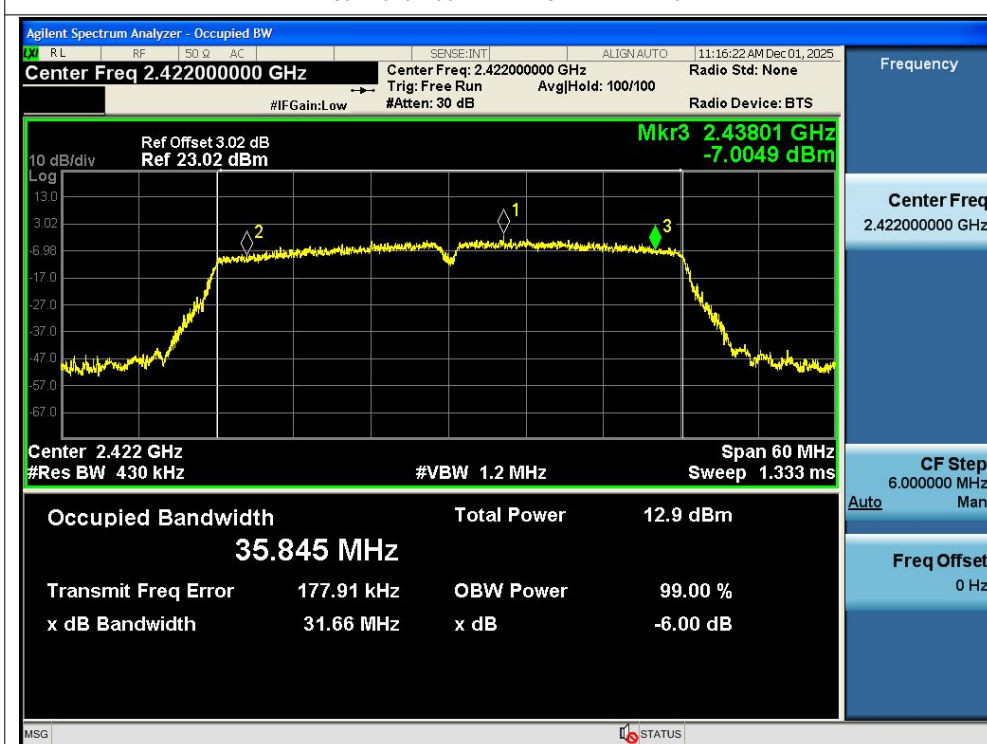
-6dB Bandwidth NVNT n20 2437MHz Ant1



-6dB Bandwidth NVNT n20 2462MHz Ant1



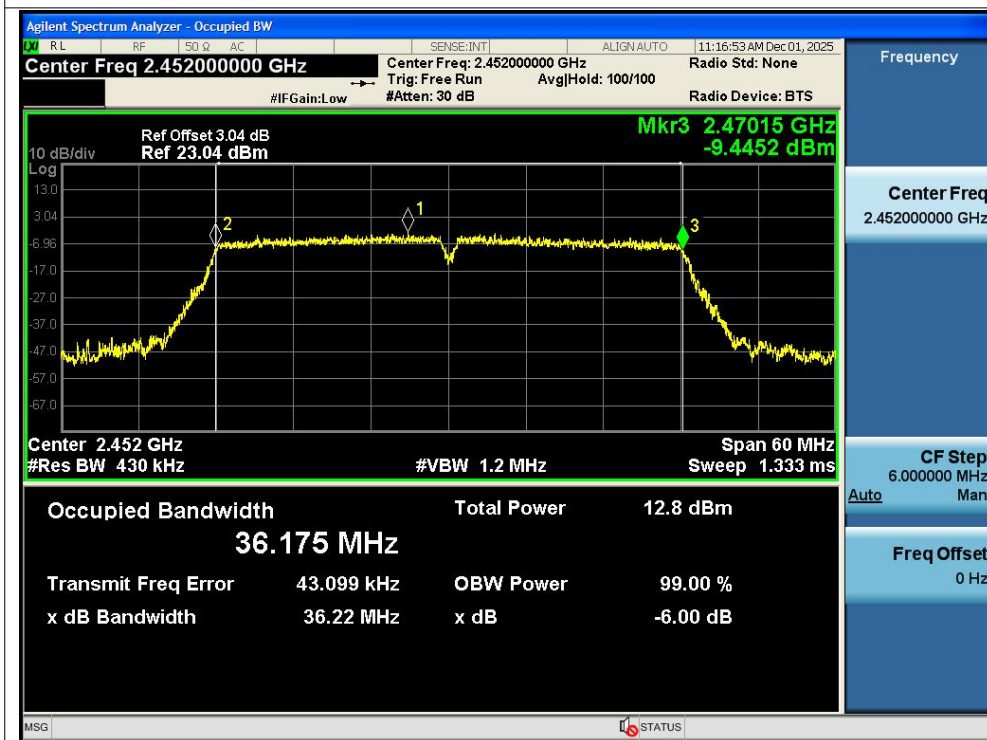
-6dB Bandwidth NVNT n40 2422MHz Ant1



-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	12.631
NVNT	b	2437	Ant1	12.675
NVNT	b	2462	Ant1	12.699
NVNT	g	2412	Ant1	16.407
NVNT	g	2437	Ant1	16.398
NVNT	g	2462	Ant1	16.44
NVNT	n20	2412	Ant1	17.532
NVNT	n20	2437	Ant1	17.553
NVNT	n20	2462	Ant1	17.595
NVNT	n40	2422	Ant1	35.905
NVNT	n40	2437	Ant1	35.932
NVNT	n40	2452	Ant1	35.983