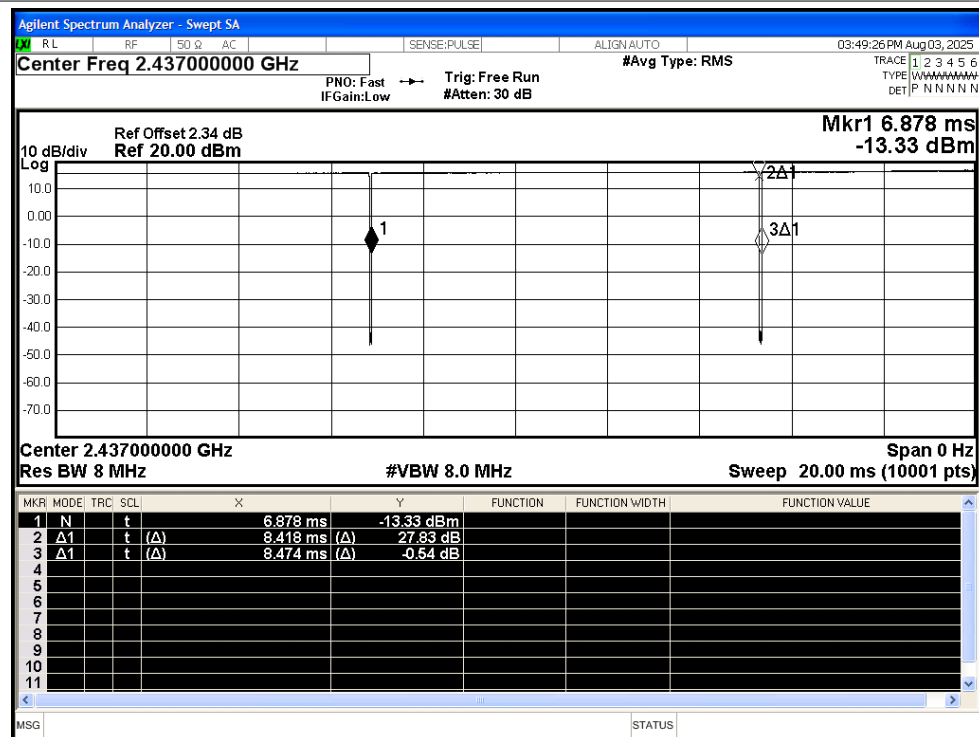
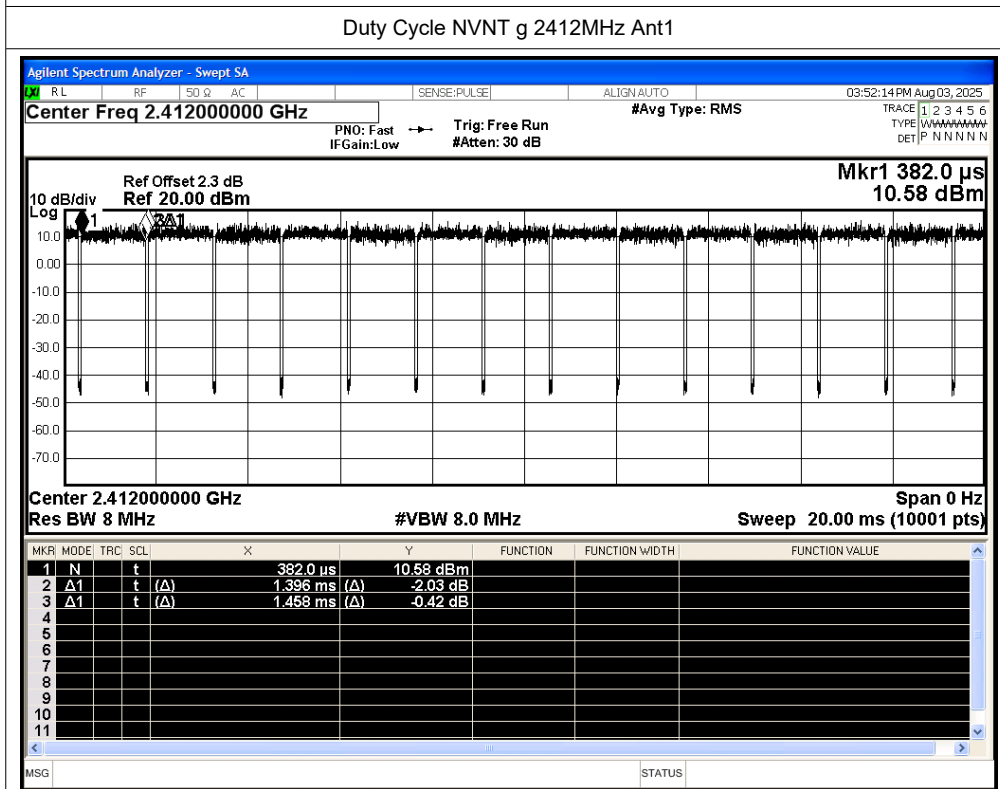


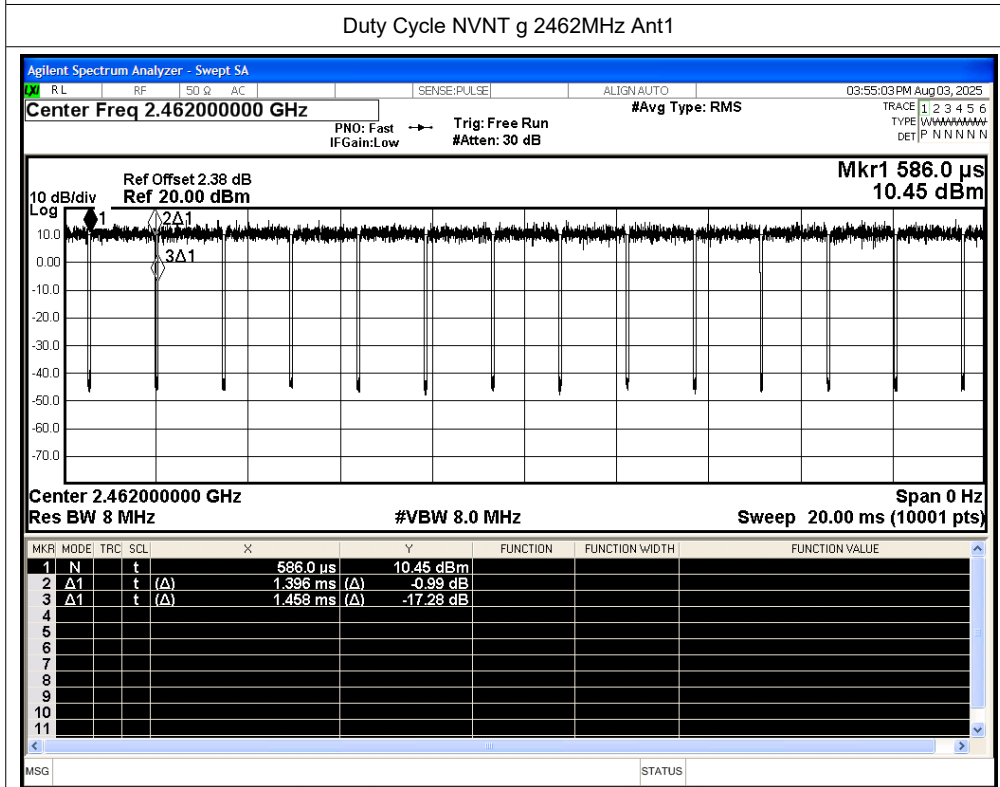
Appendix RF test data for WIFI2.4G

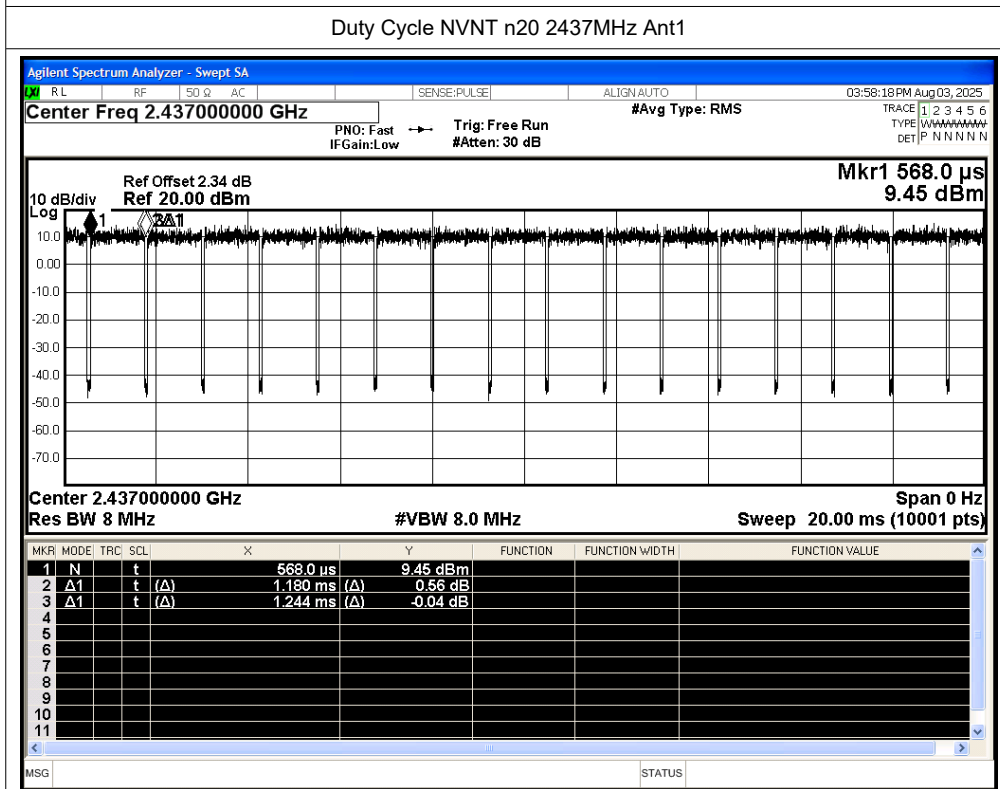
Duty Cycle

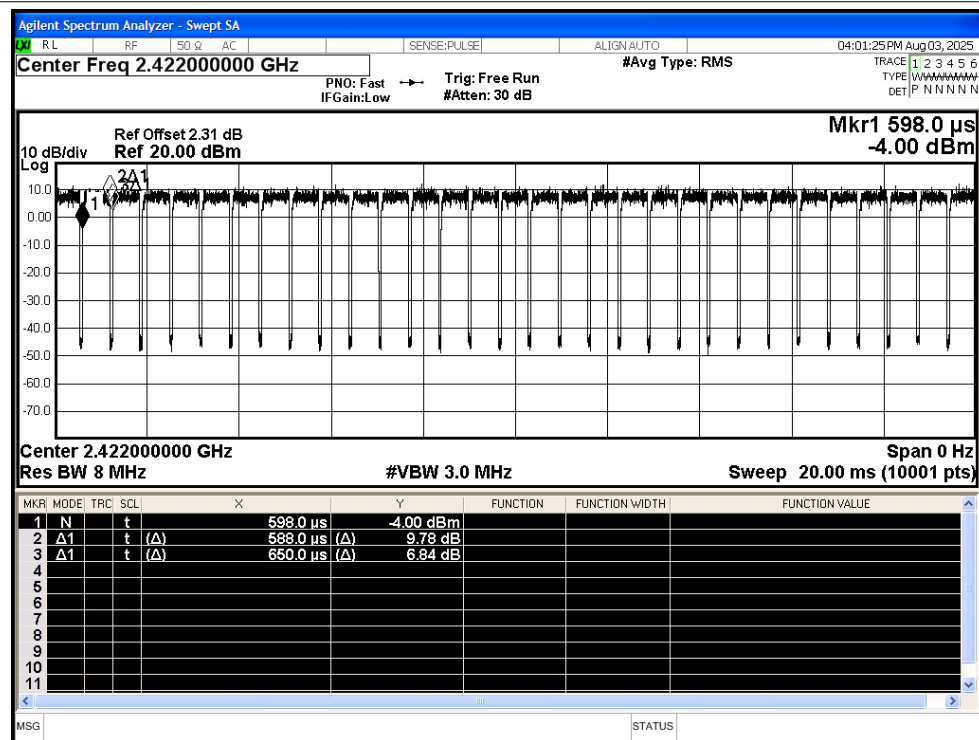
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.13	0	0.12
NVNT	b	2437	Ant1	99.34	0	0.12
NVNT	b	2462	Ant1	99.32	0	0.12
NVNT	g	2412	Ant1	95.75	0.19	0.72
NVNT	g	2437	Ant1	95.75	0.19	0.72
NVNT	g	2462	Ant1	95.75	0.19	0.72
NVNT	n20	2412	Ant1	94.86	0.23	0.85
NVNT	n20	2437	Ant1	94.86	0.23	0.85
NVNT	n20	2462	Ant1	95.02	0.22	0.85
NVNT	n40	2422	Ant1	90.46	0.44	1.7
NVNT	n40	2437	Ant1	90.46	0.44	1.7
NVNT	n40	2452	Ant1	90.43	0.44	1.71

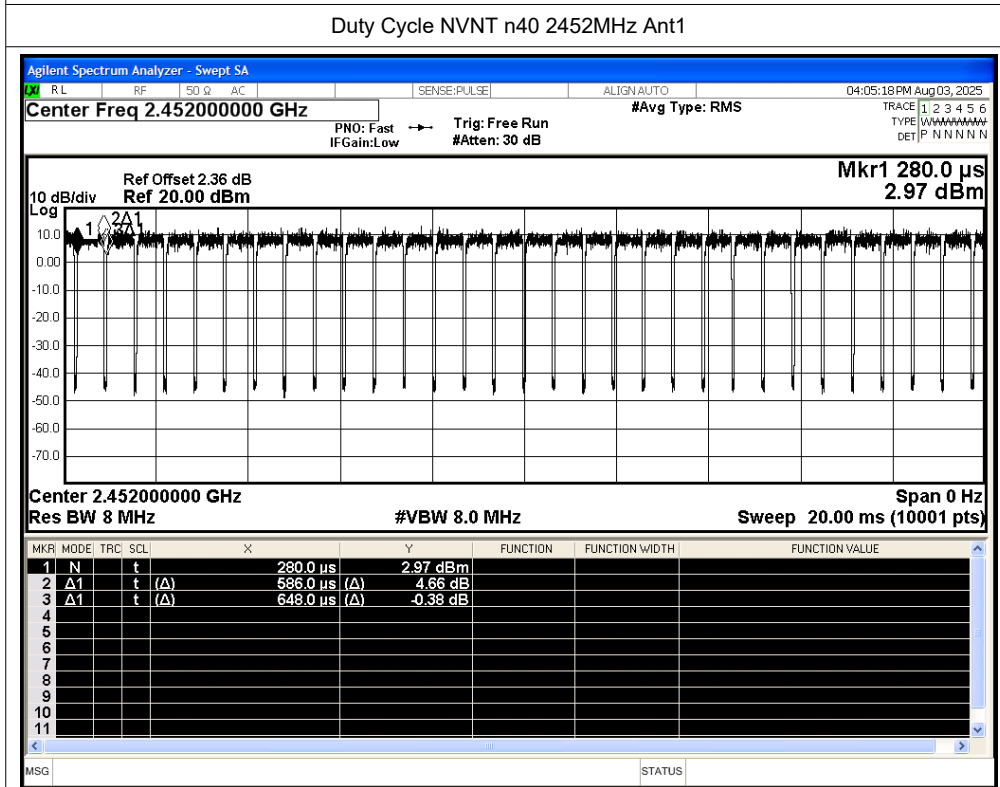












Maximum Conducted Output Power

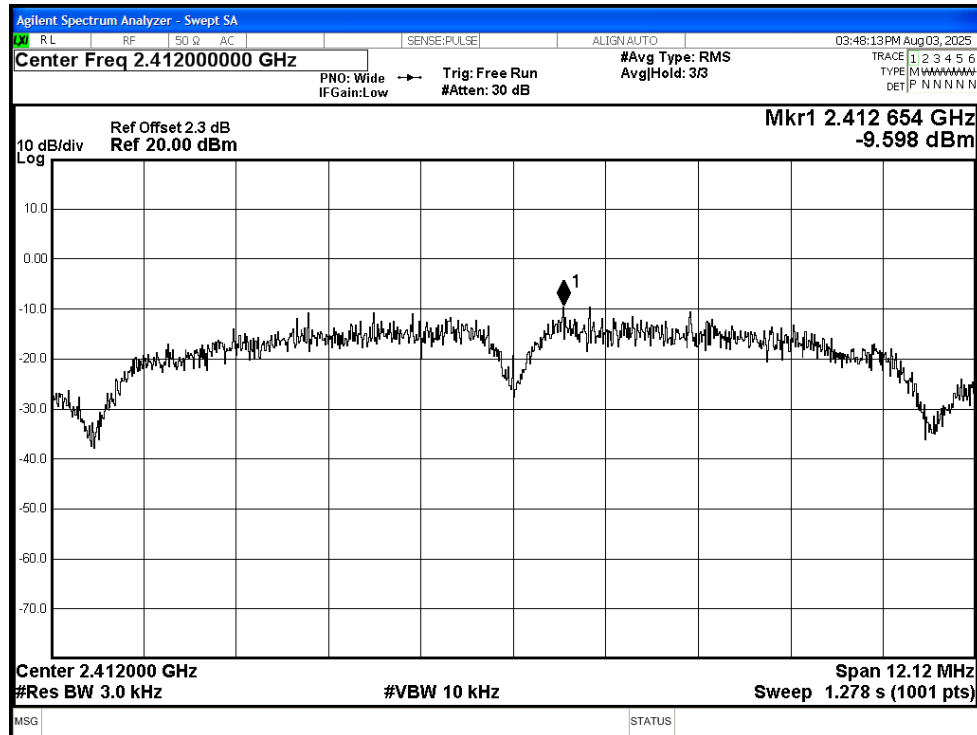
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	13.73	30	Pass
NVNT	b	2437	Ant1	12.97	30	Pass
NVNT	b	2462	Ant1	13.24	30	Pass
NVNT	g	2412	Ant1	13.2	30	Pass
NVNT	g	2437	Ant1	12.23	30	Pass
NVNT	g	2462	Ant1	12.5	30	Pass
NVNT	n20	2412	Ant1	13.67	30	Pass
NVNT	n20	2437	Ant1	12.72	30	Pass
NVNT	n20	2462	Ant1	13.04	30	Pass
NVNT	n40	2422	Ant1	14.05	30	Pass
NVNT	n40	2437	Ant1	13.06	30	Pass
NVNT	n40	2452	Ant1	13.83	30	Pass

Maximum Power Spectral Density Level

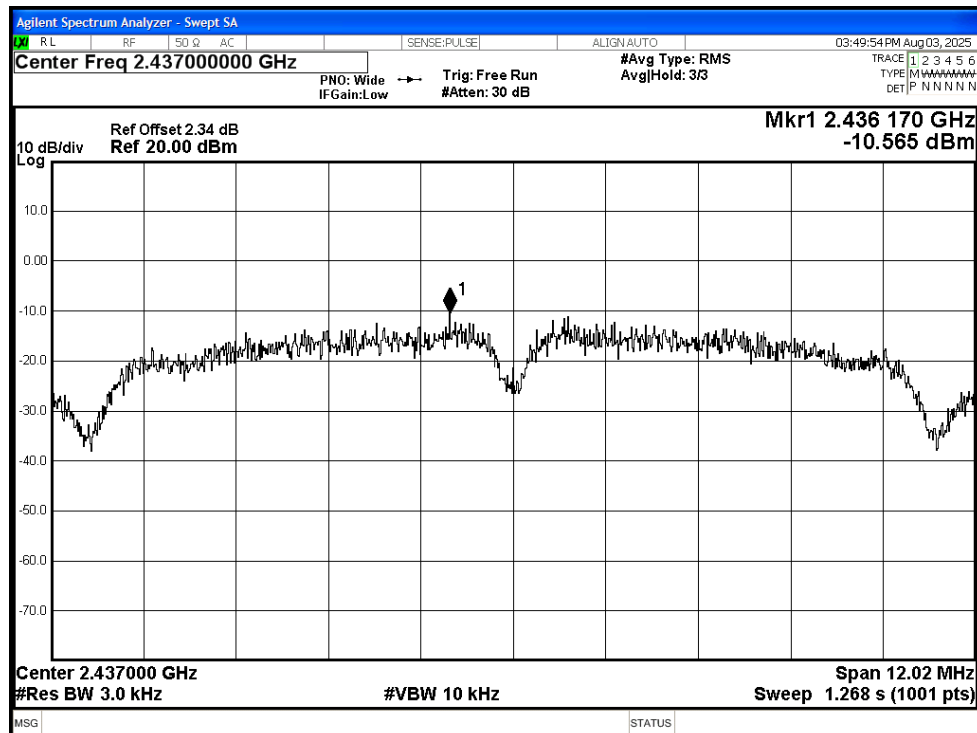
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-9.6	-9.6	8	Pass
NVNT	b	2437	Ant1	-10.57	-10.57	8	Pass
NVNT	b	2462	Ant1	-10.87	-10.87	8	Pass
NVNT	g	2412	Ant1	-16.6	-16.6	8	Pass
NVNT	g	2437	Ant1	-18.02	-18.02	8	Pass
NVNT	g	2462	Ant1	-18.09	-18.09	8	Pass
NVNT	n20	2412	Ant1	-16.31	-16.31	8	Pass
NVNT	n20	2437	Ant1	-17.26	-17.26	8	Pass
NVNT	n20	2462	Ant1	-16.39	-16.39	8	Pass
NVNT	n40	2422	Ant1	-19.42	-19.42	8	Pass
NVNT	n40	2437	Ant1	-19.77	-19.77	8	Pass
NVNT	n40	2452	Ant1	-19.95	-19.95	8	Pass

Test Graphs

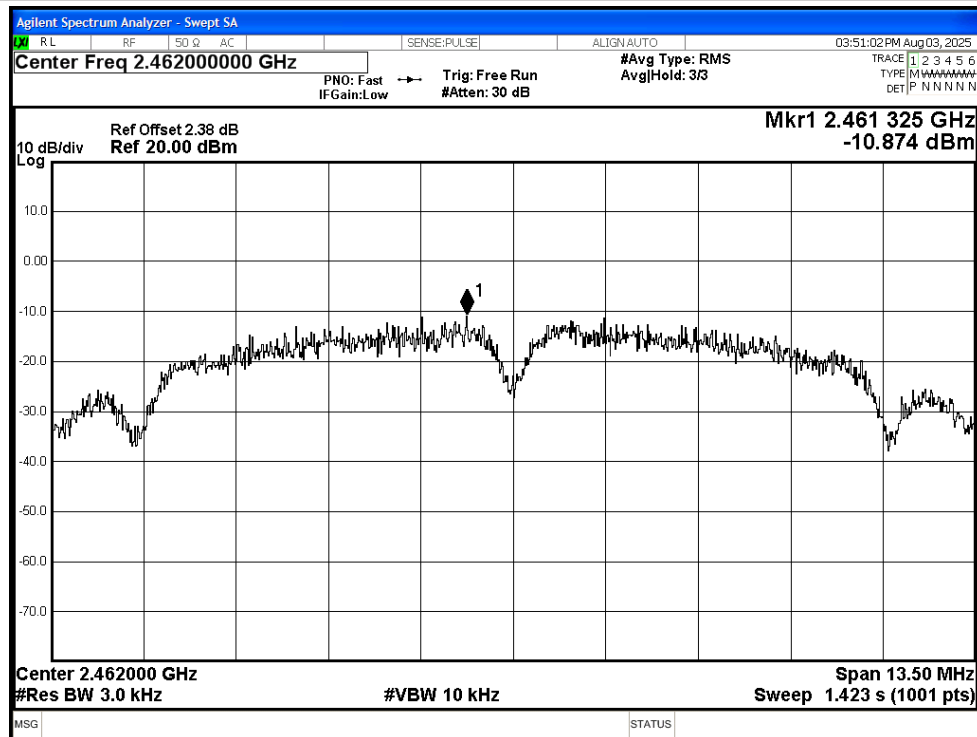
PSD NVNT b 2412MHz Ant1



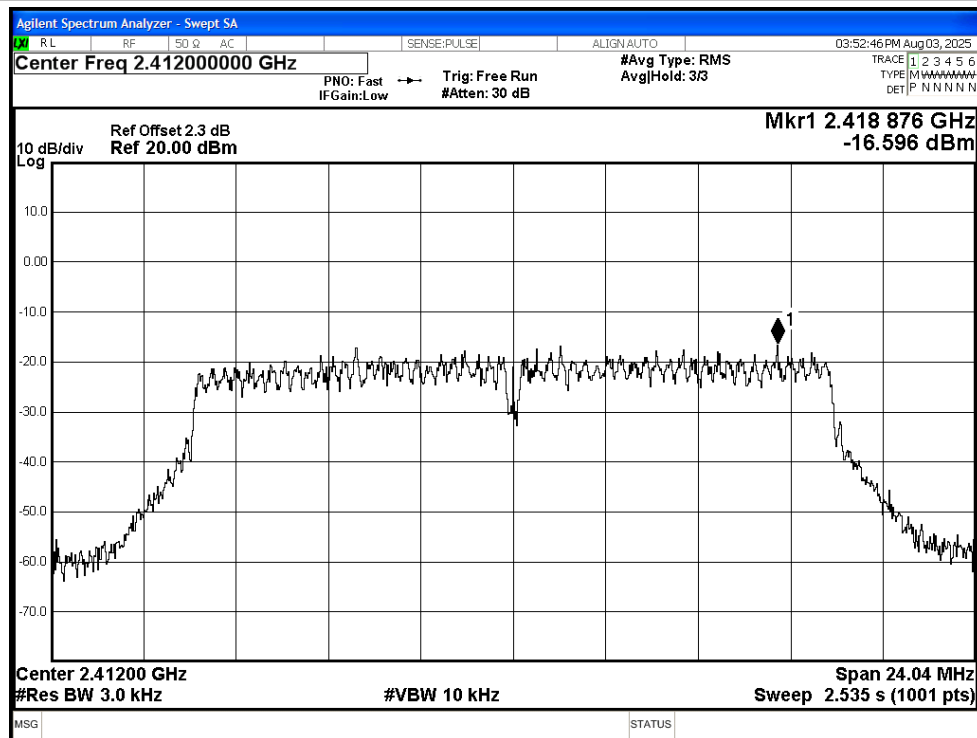
PSD NVNT b 2437MHz Ant1



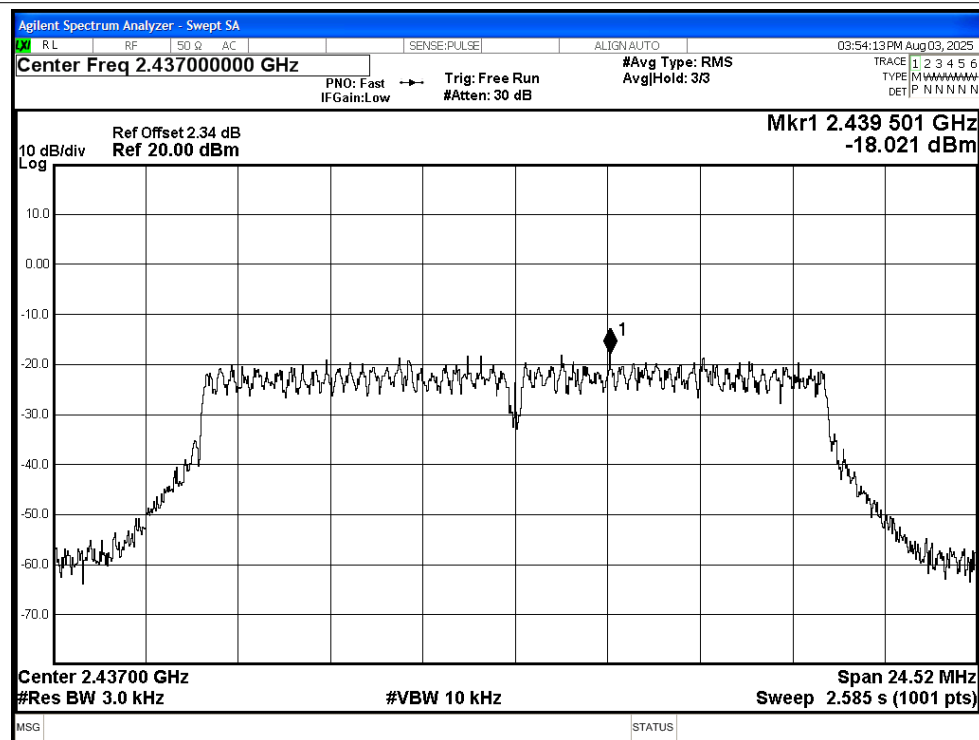
PSD NVNT b 2462MHz Ant1



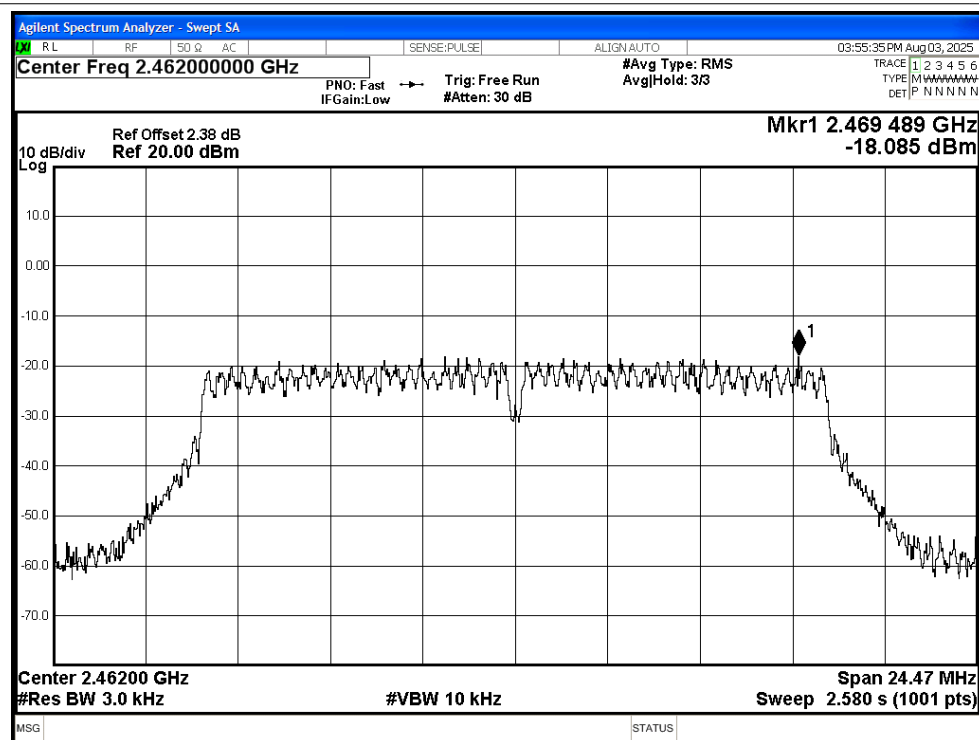
PSD NVNT g 2412MHz Ant1

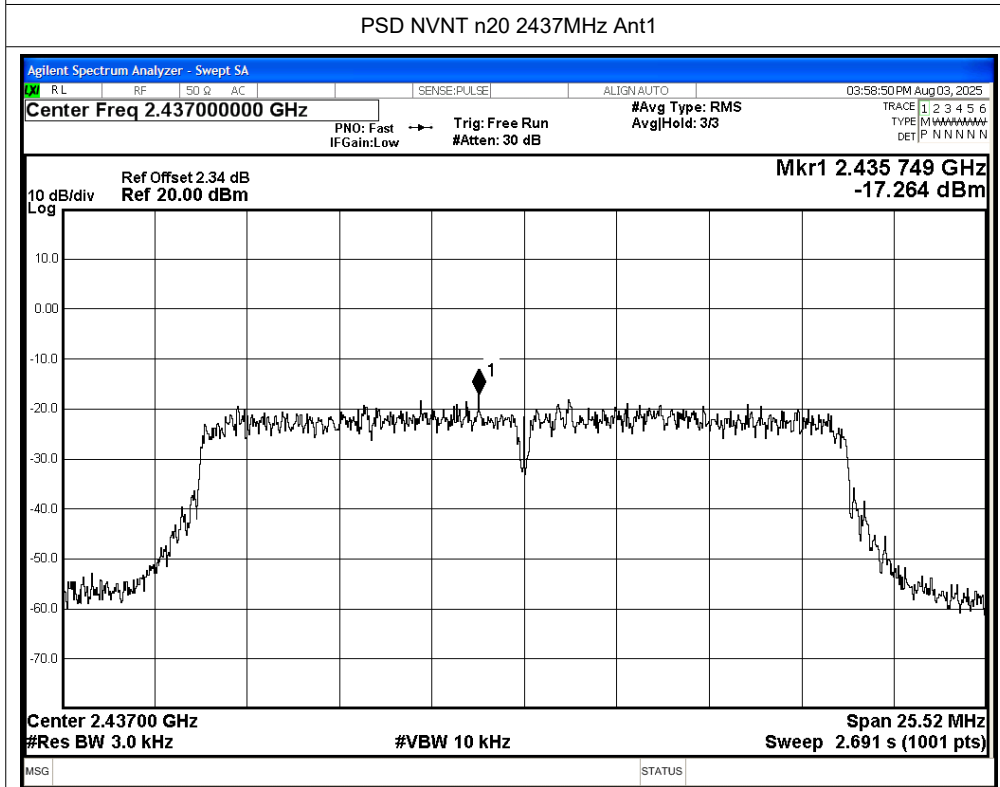
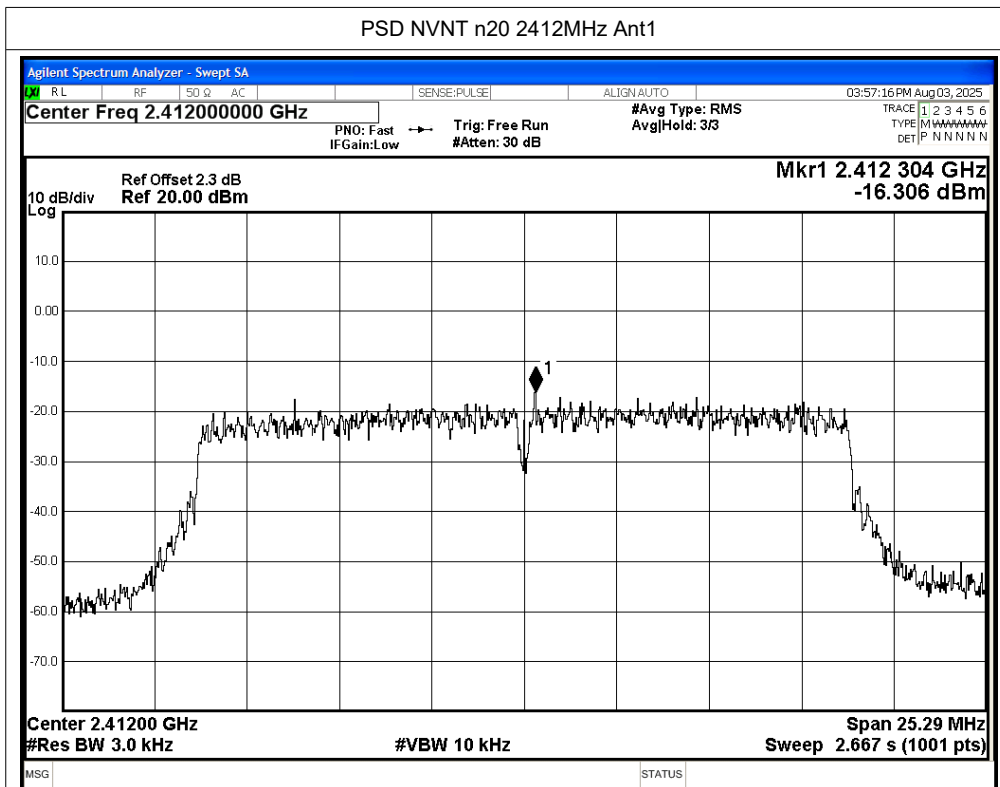


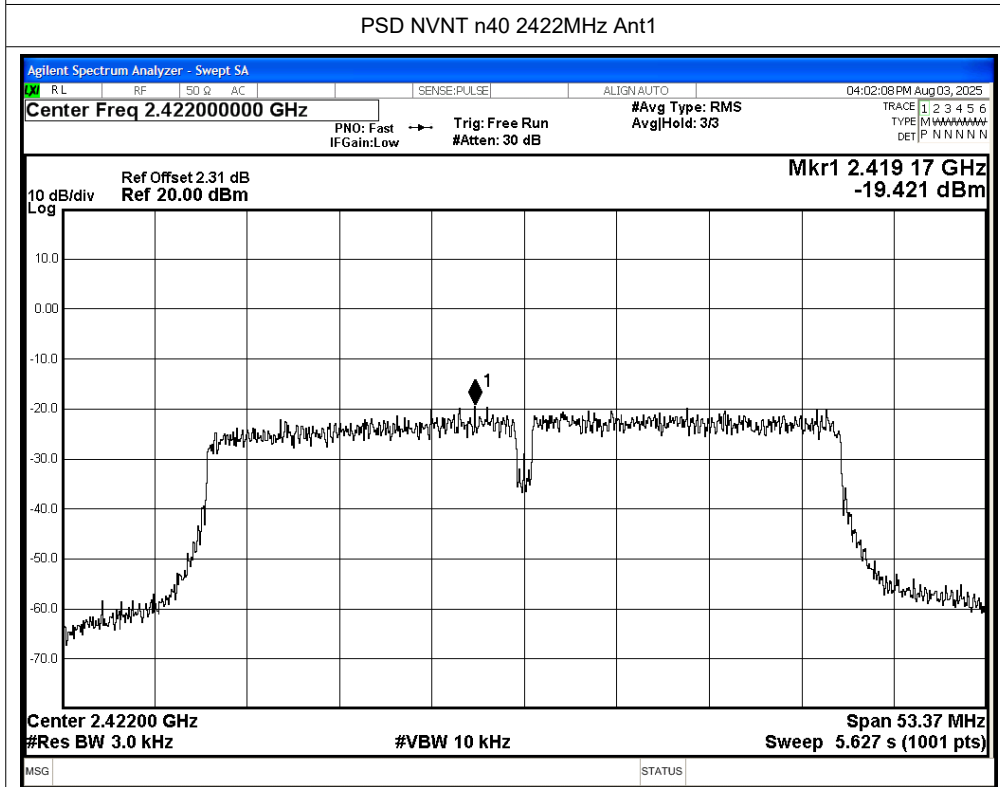
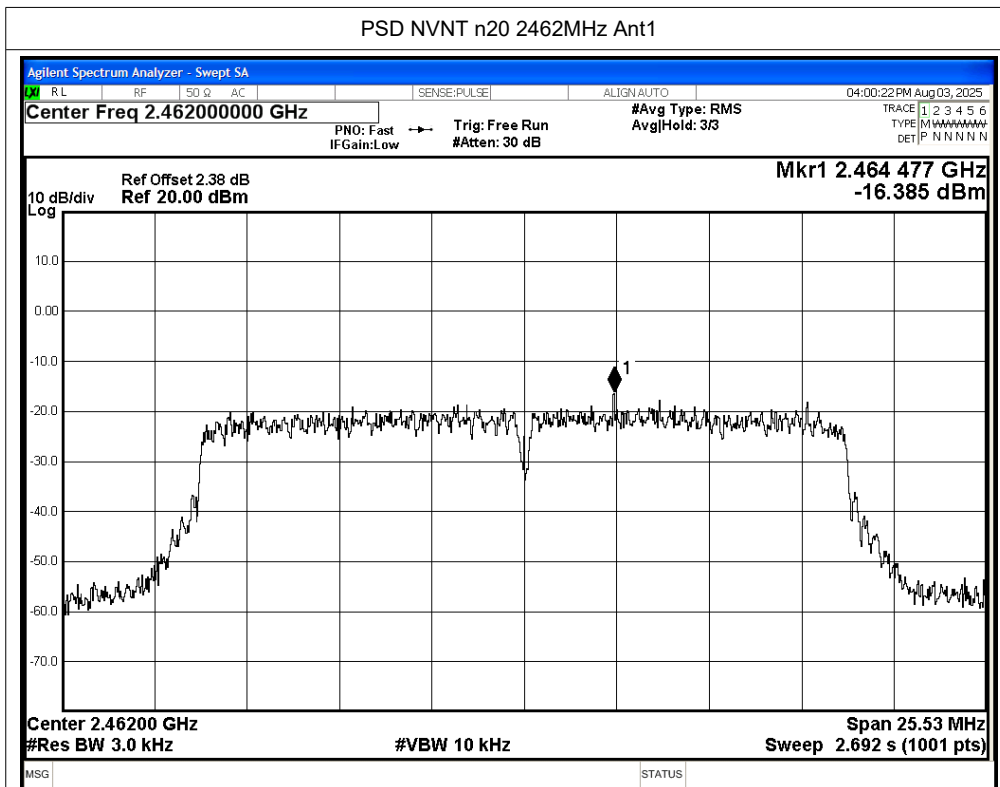
PSD NVNT g 2437MHz Ant1

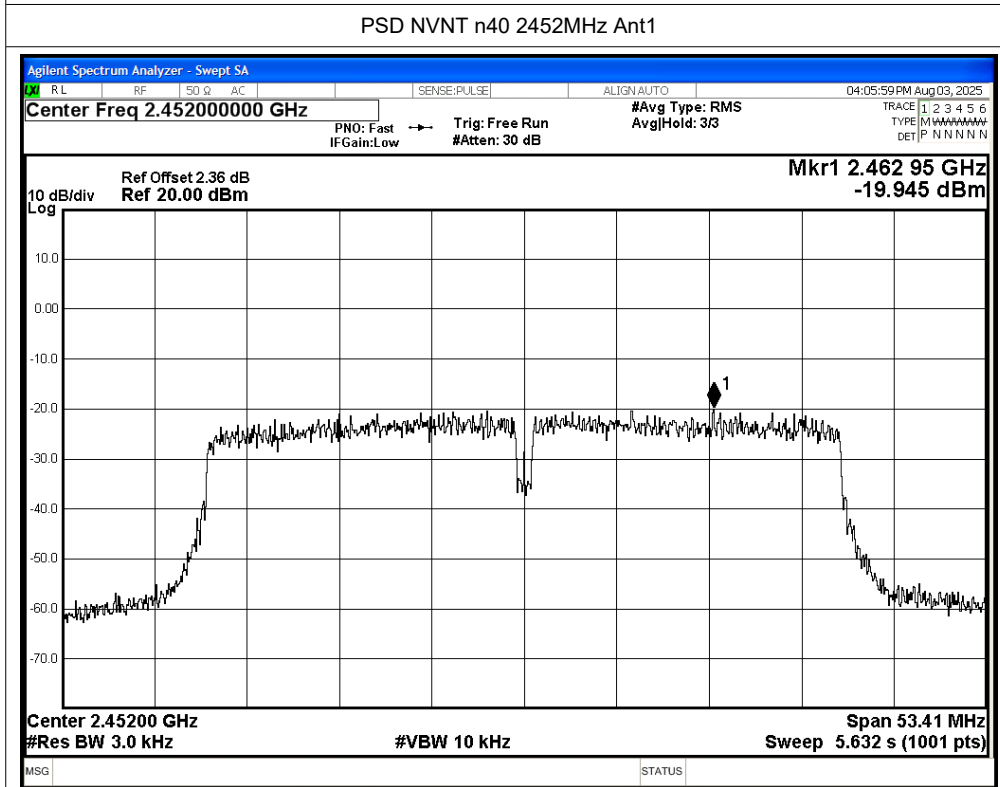
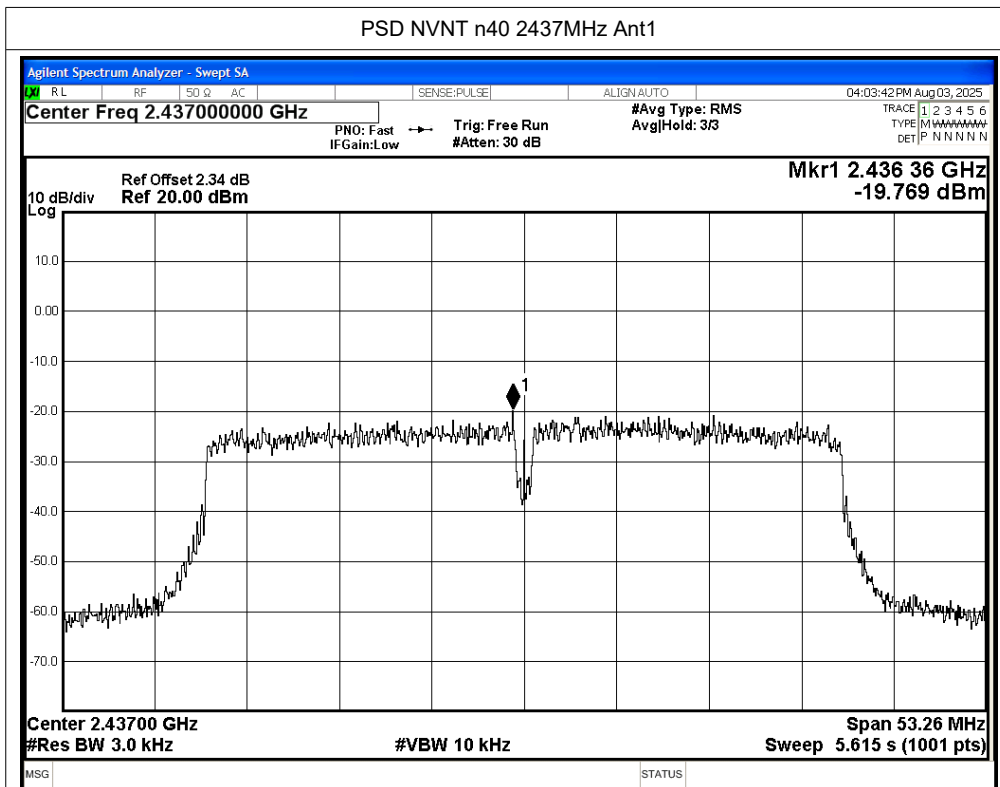


PSD NVNT g 2462MHz Ant1









-6dB Bandwidth

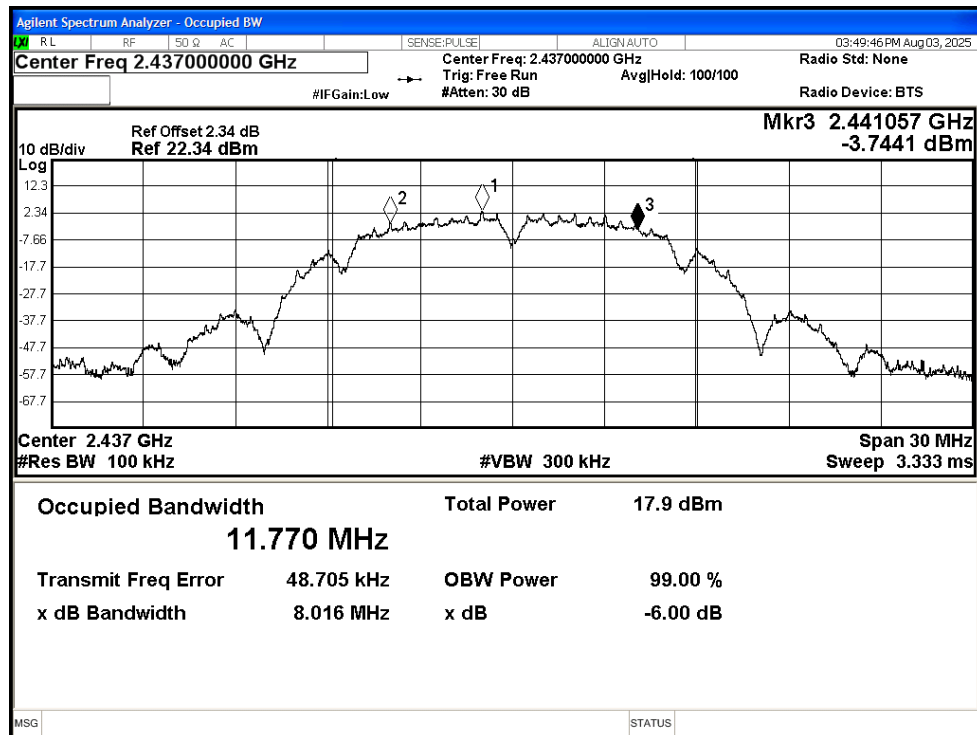
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.08	≥ 0.5	Pass
NVNT	b	2437	Ant1	8.016	≥ 0.5	Pass
NVNT	b	2462	Ant1	8.998	≥ 0.5	Pass
NVNT	g	2412	Ant1	16.029	≥ 0.5	Pass
NVNT	g	2437	Ant1	16.347	≥ 0.5	Pass
NVNT	g	2462	Ant1	16.315	≥ 0.5	Pass
NVNT	n20	2412	Ant1	16.862	≥ 0.5	Pass
NVNT	n20	2437	Ant1	17.016	≥ 0.5	Pass
NVNT	n20	2462	Ant1	17.021	≥ 0.5	Pass
NVNT	n40	2422	Ant1	35.579	≥ 0.5	Pass
NVNT	n40	2437	Ant1	35.504	≥ 0.5	Pass
NVNT	n40	2452	Ant1	35.609	≥ 0.5	Pass

Test Graphs

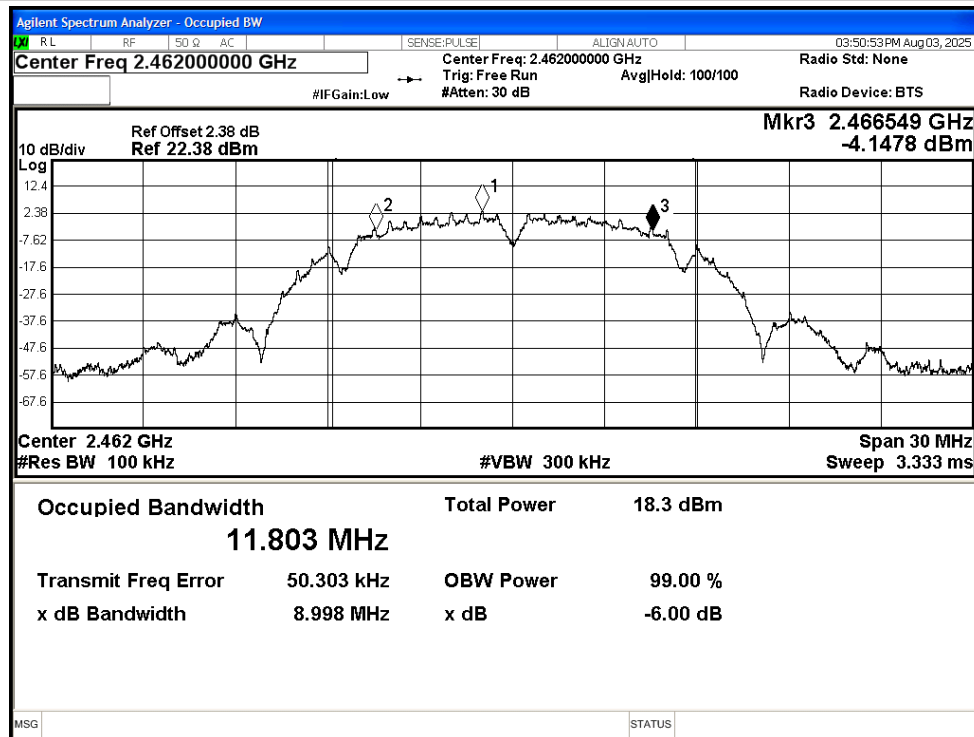
-6dB Bandwidth NVNT b 2412MHz Ant1



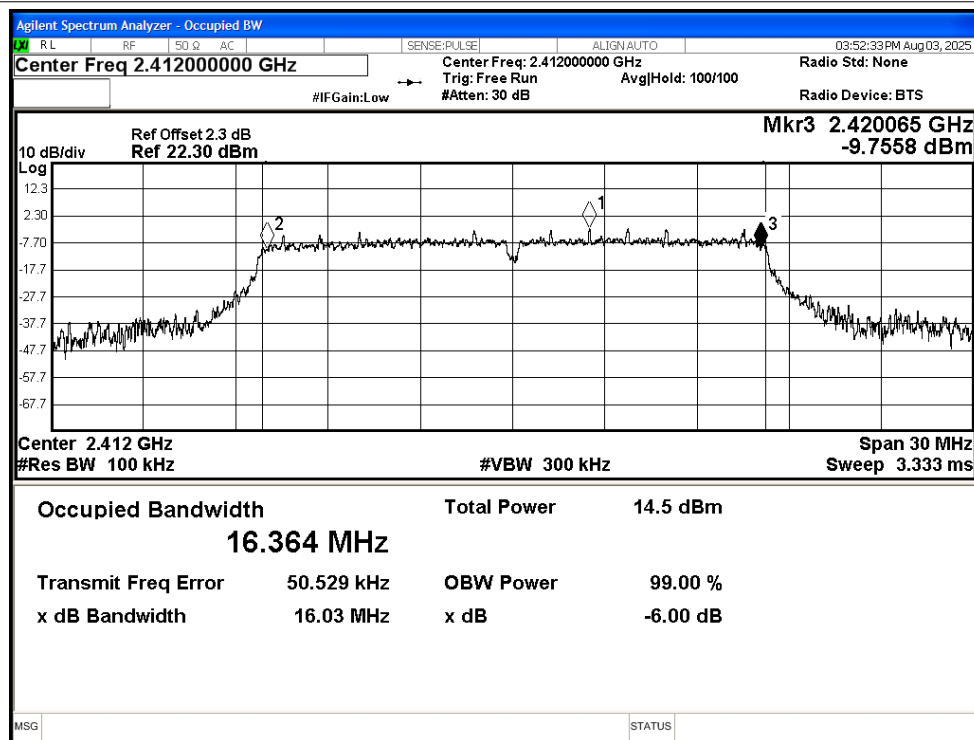
-6dB Bandwidth NVNT b 2437MHz Ant1



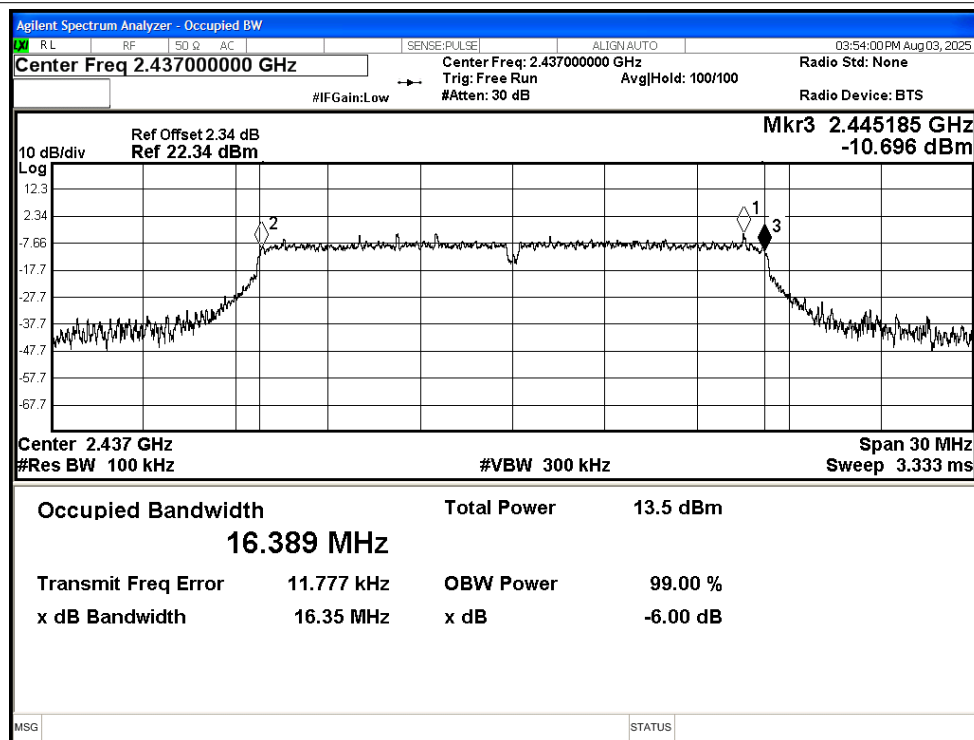
-6dB Bandwidth NVNT b 2462MHz Ant1



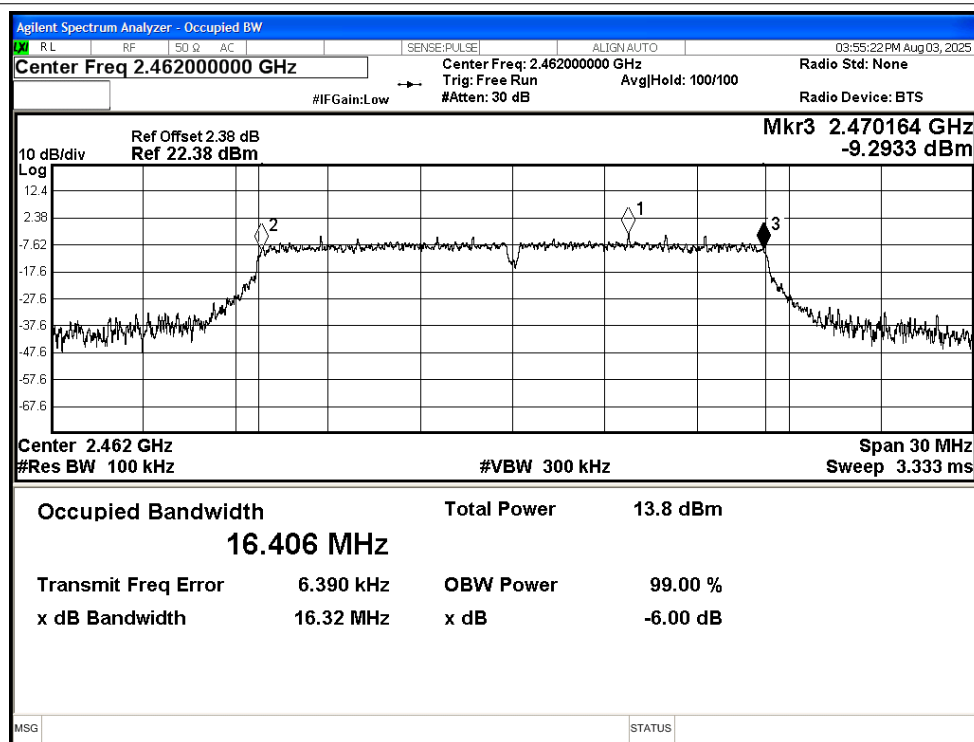
-6dB Bandwidth NVNT g 2412MHz Ant1



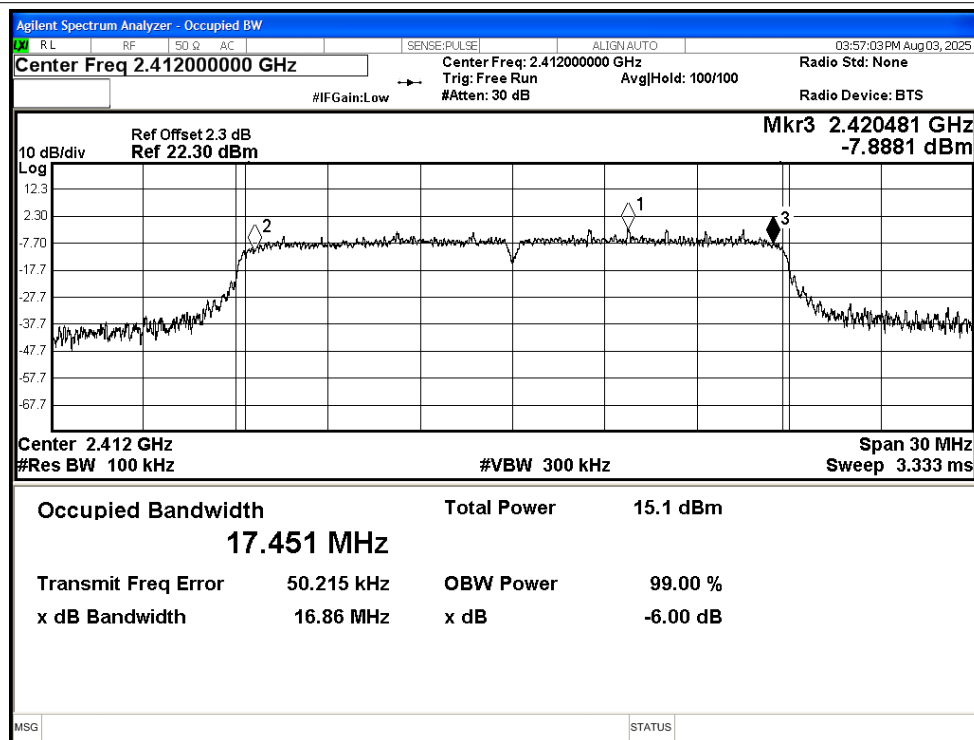
-6dB Bandwidth NVNT g 2437MHz Ant1



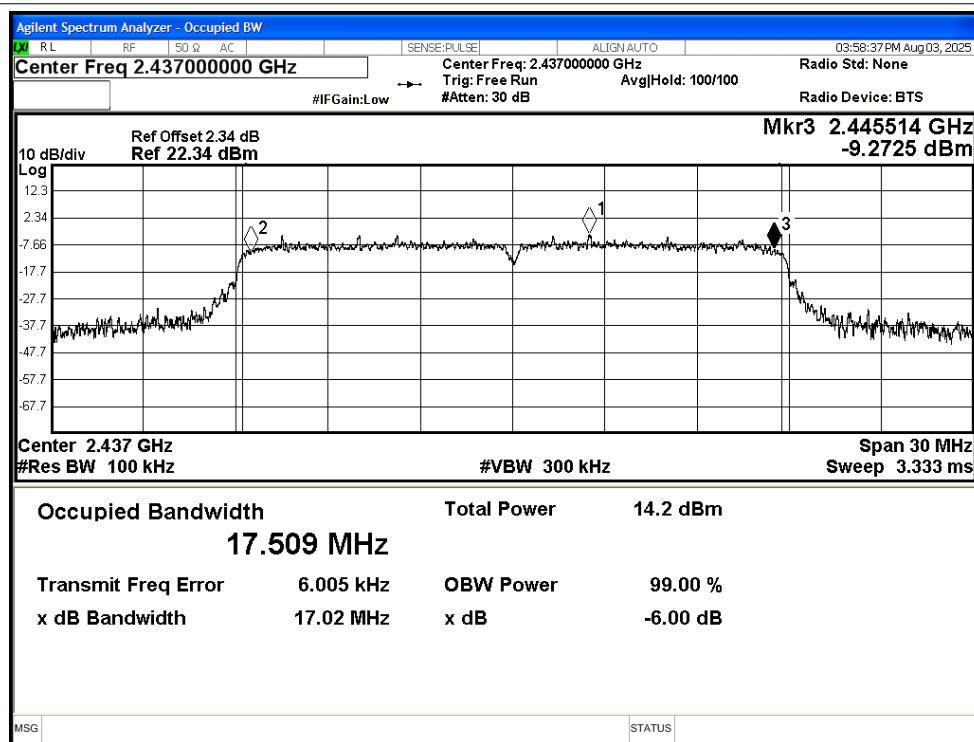
-6dB Bandwidth NVNT g 2462MHz Ant1



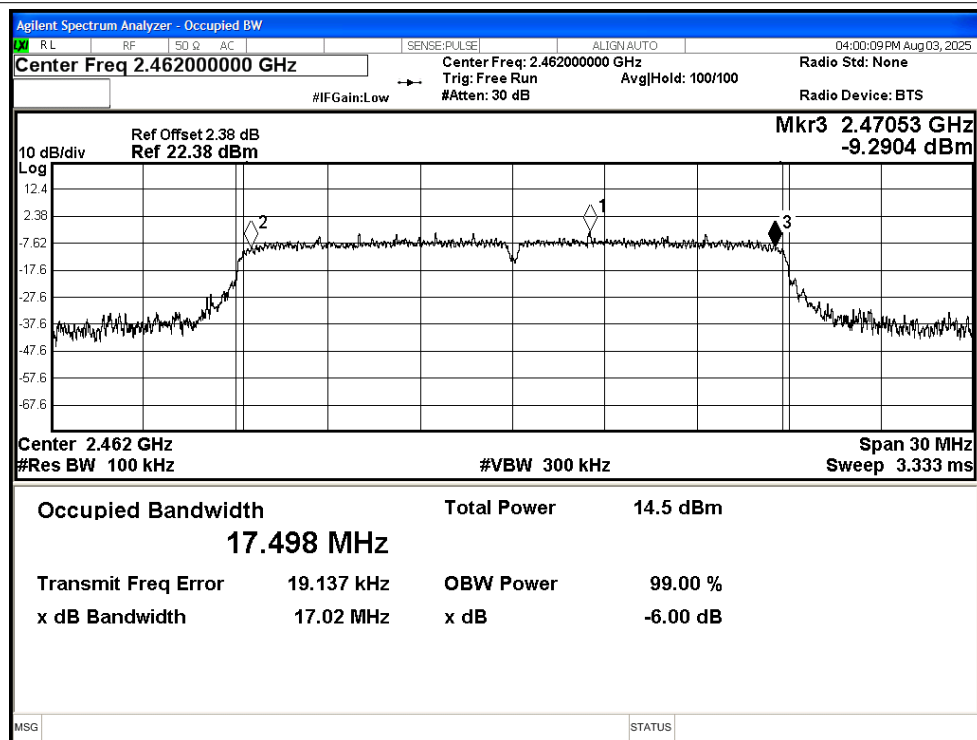
-6dB Bandwidth NVNT n20 2412MHz Ant1



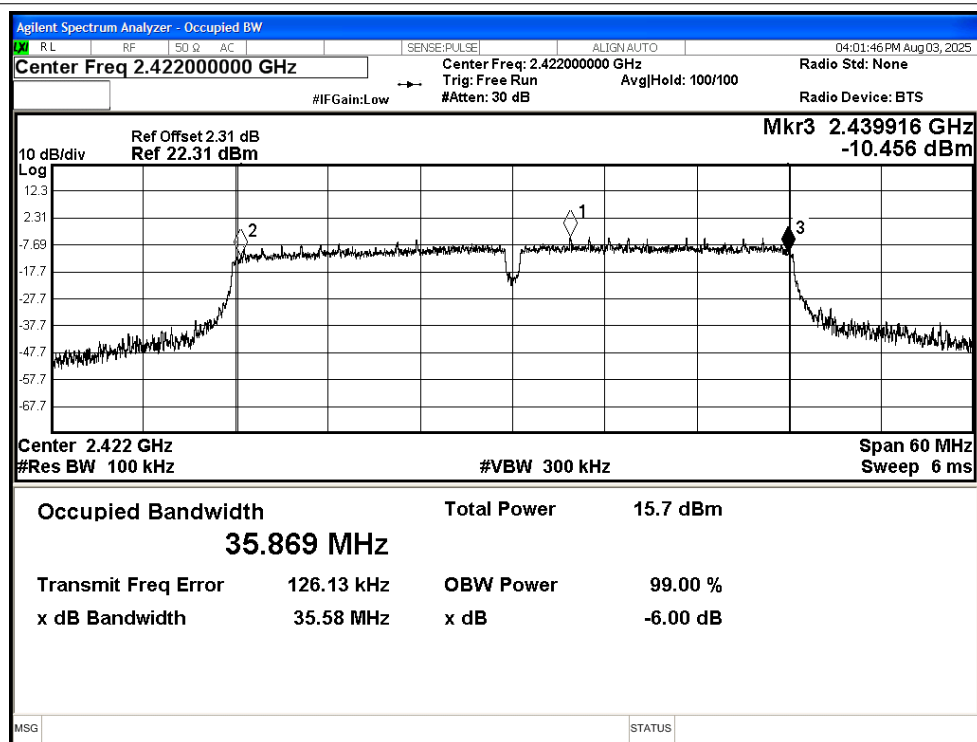
-6dB Bandwidth NVNT n20 2437MHz Ant1



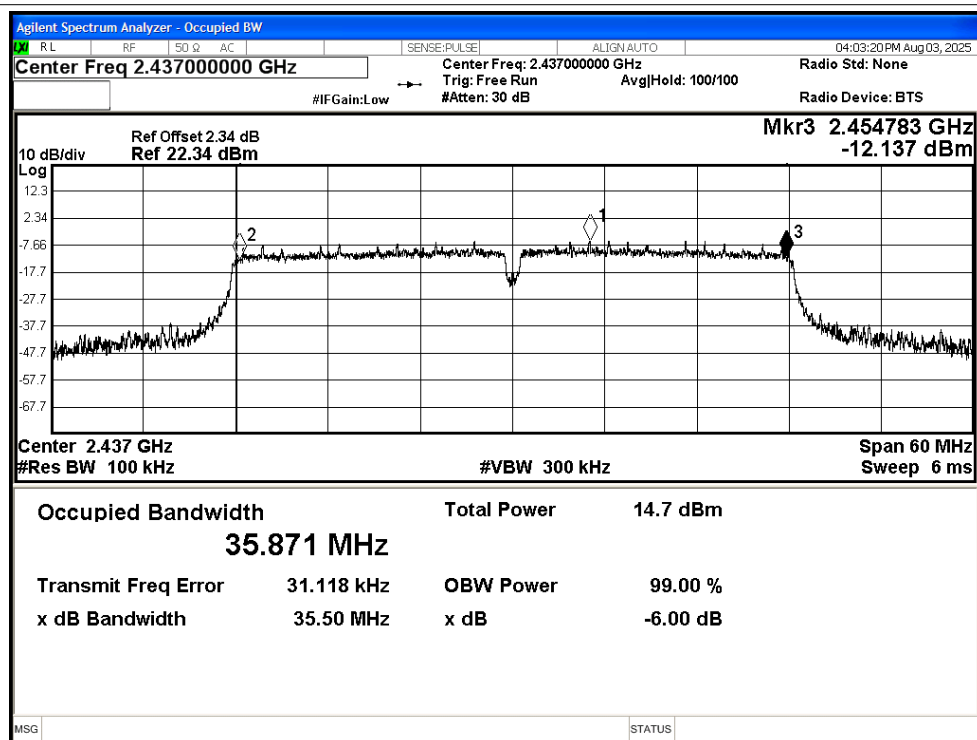
-6dB Bandwidth NVNT n20 2462MHz Ant1



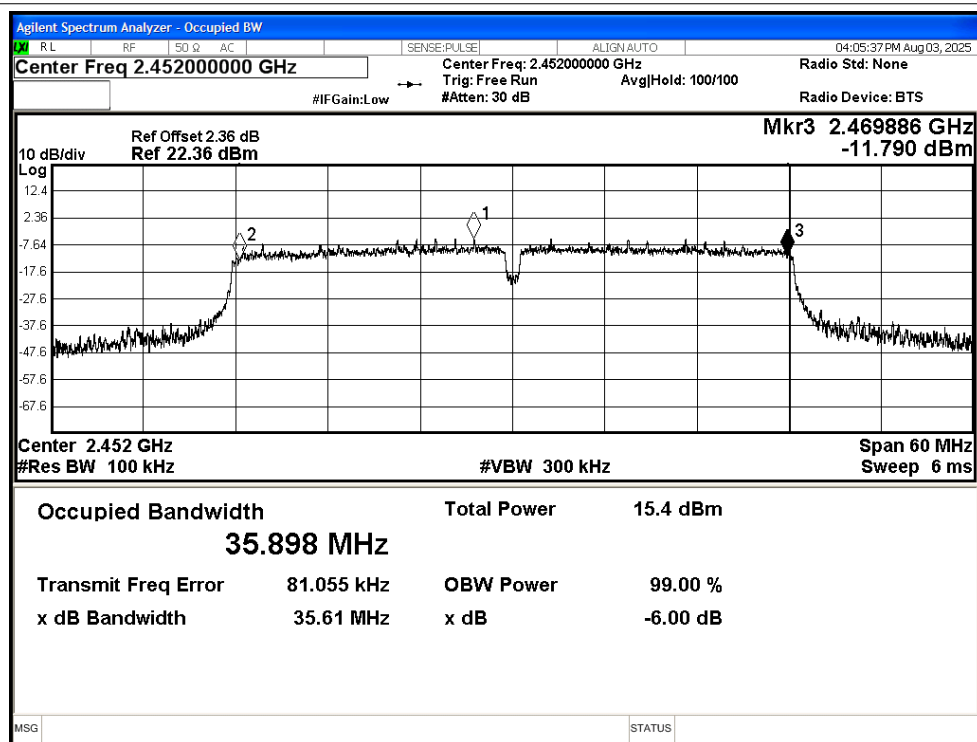
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant1

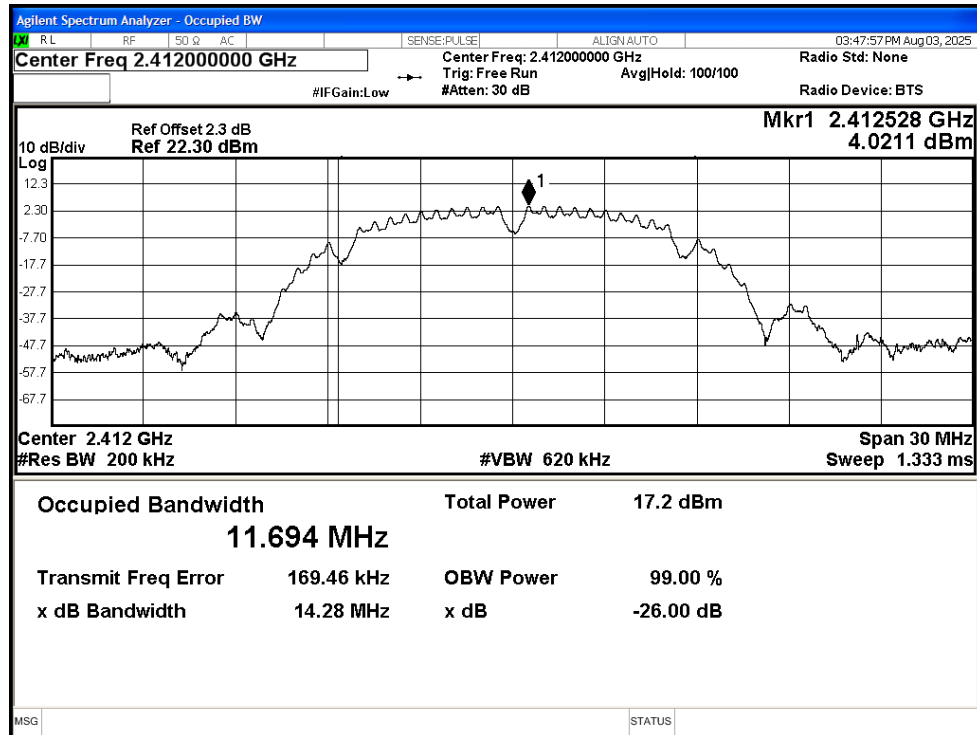


Occupied Channel Bandwidth

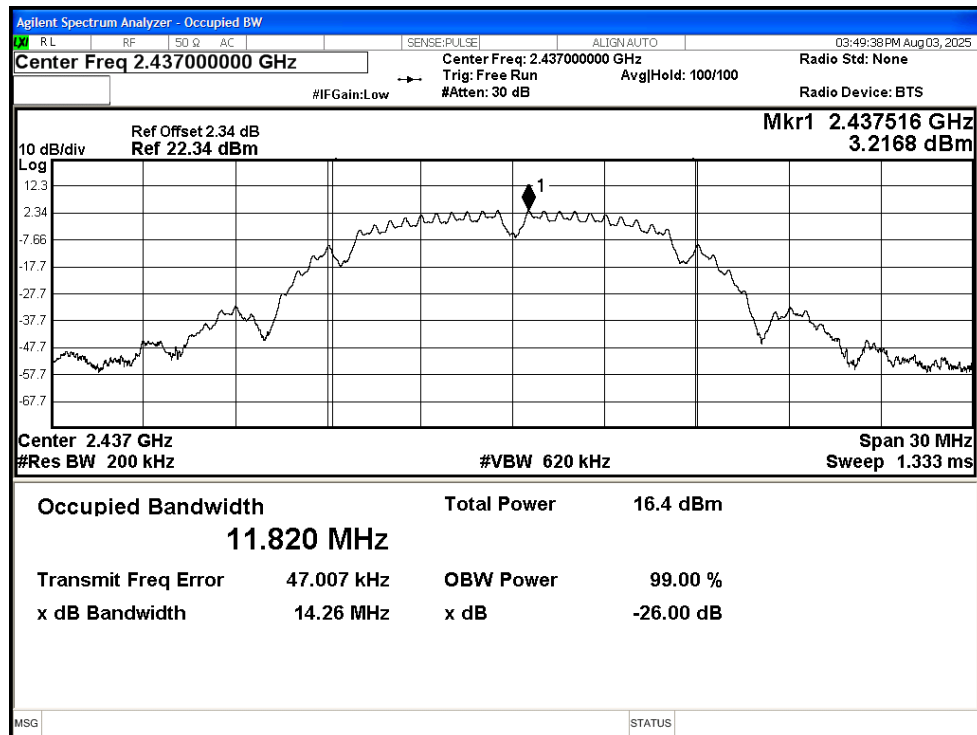
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	11.694
NVNT	b	2437	Ant1	11.82
NVNT	b	2462	Ant1	11.818
NVNT	g	2412	Ant1	16.446
NVNT	g	2437	Ant1	16.476
NVNT	g	2462	Ant1	16.466
NVNT	n20	2412	Ant1	17.504
NVNT	n20	2437	Ant1	17.535
NVNT	n20	2462	Ant1	17.542
NVNT	n40	2422	Ant1	36.017
NVNT	n40	2437	Ant1	36.006
NVNT	n40	2452	Ant1	35.977

Test Graphs

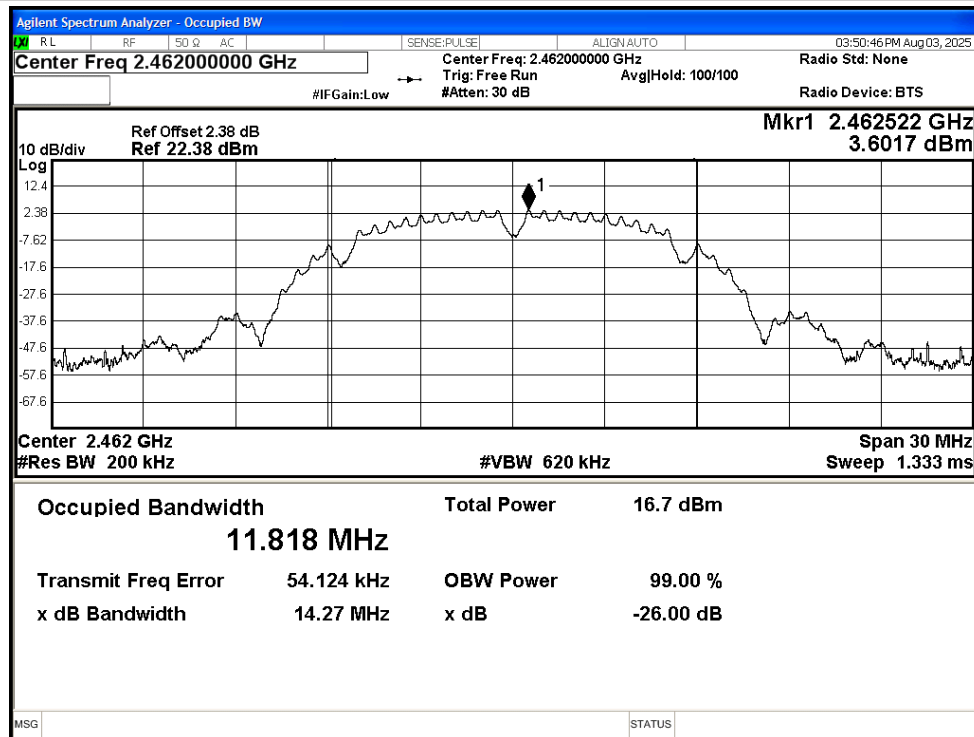
OBW NVNT b 2412MHz Ant1



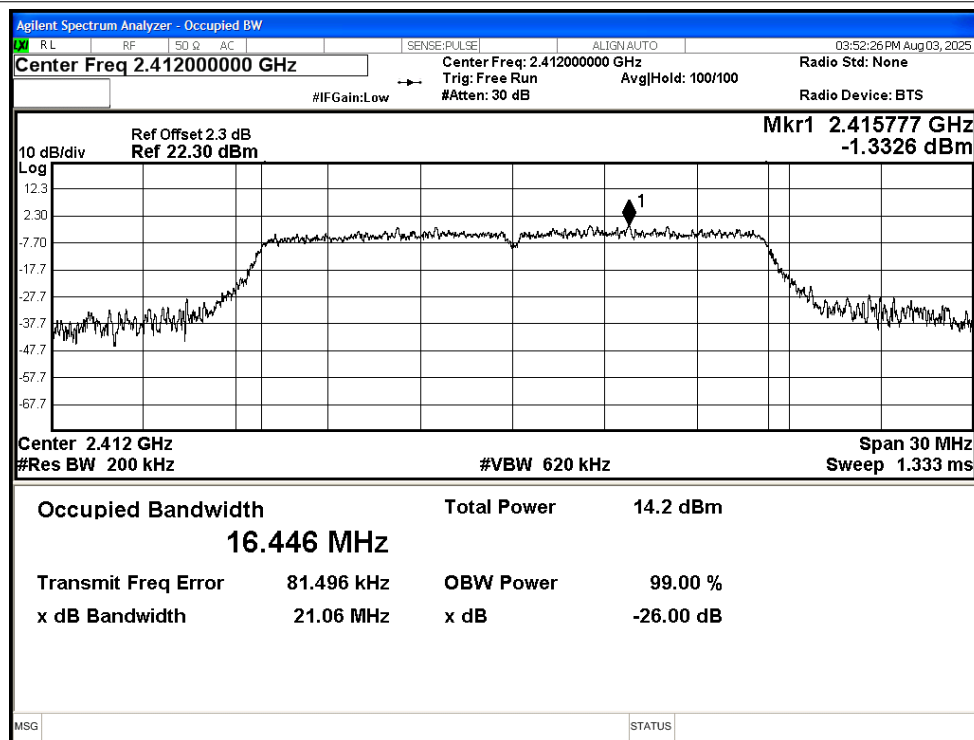
OBW NVNT b 2437MHz Ant1



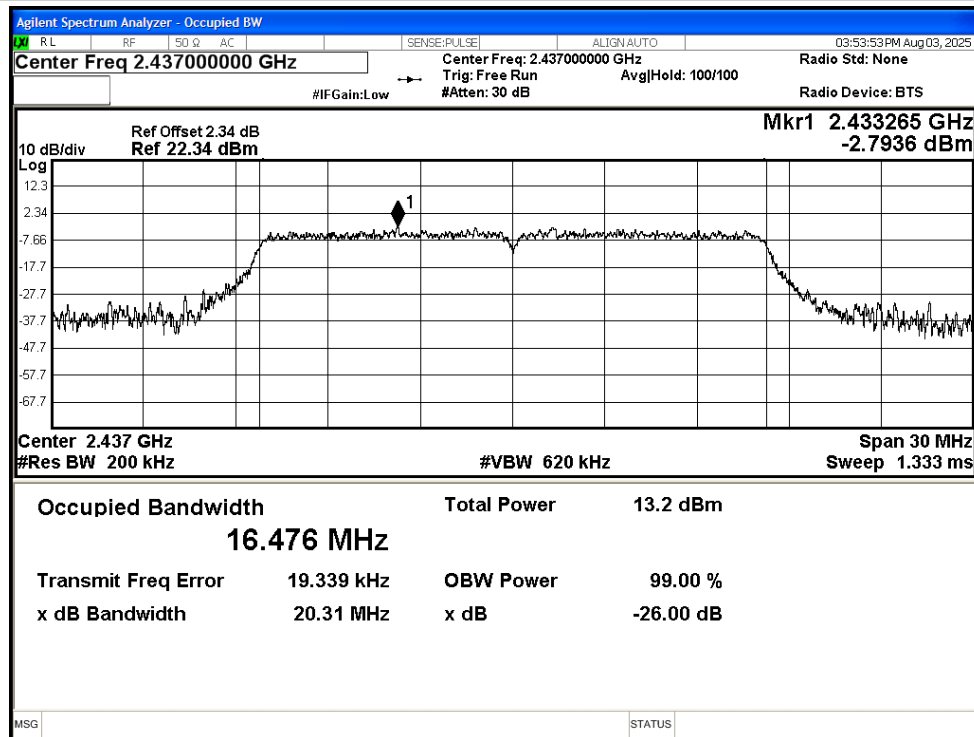
OBW NVNT b 2462MHz Ant1



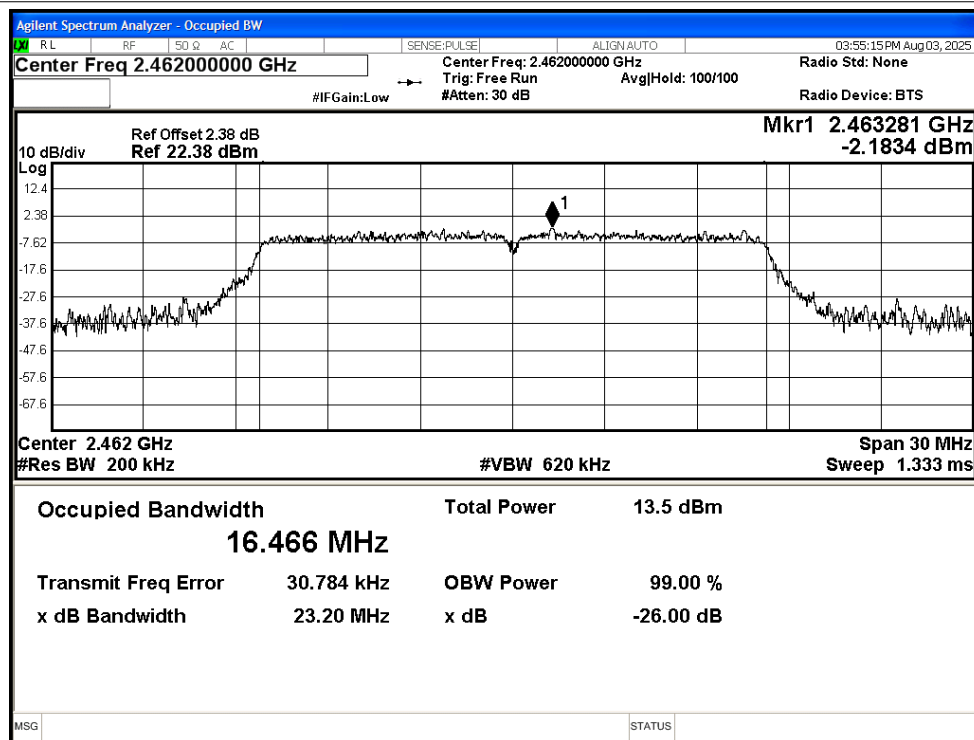
OBW NVNT g 2412MHz Ant1



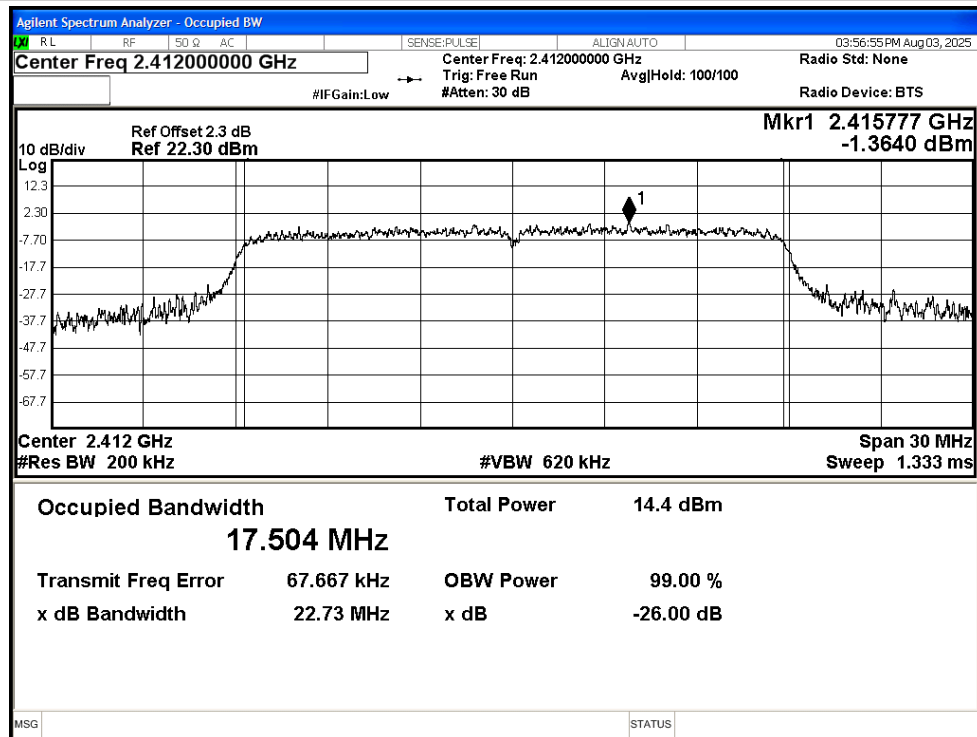
OBW NVNT g 2437MHz Ant1



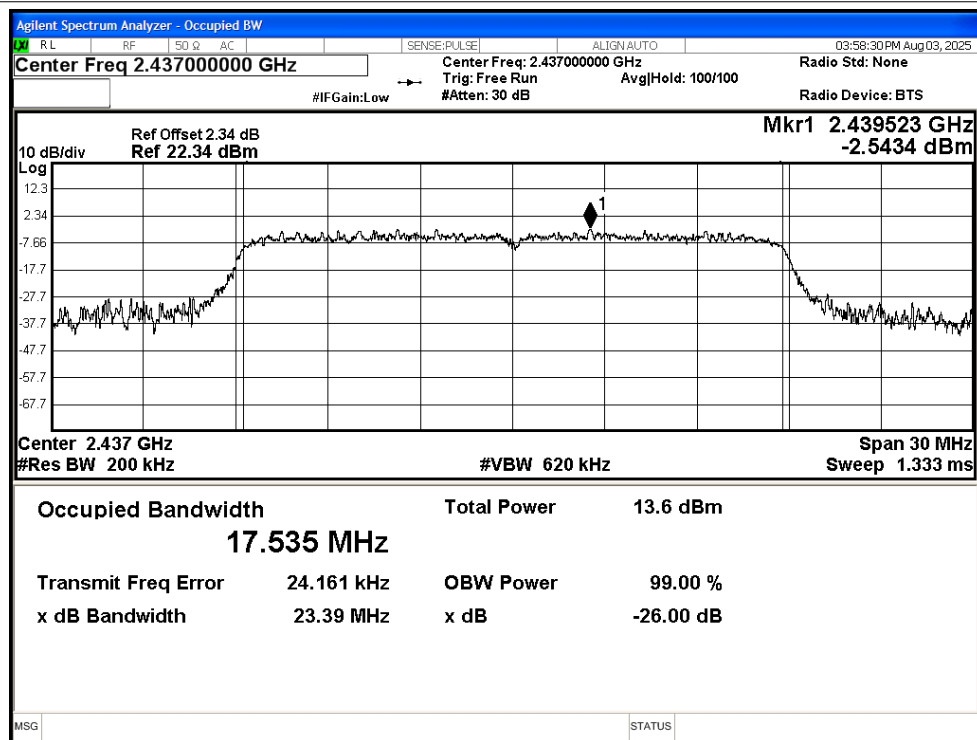
OBW NVNT g 2462MHz Ant1



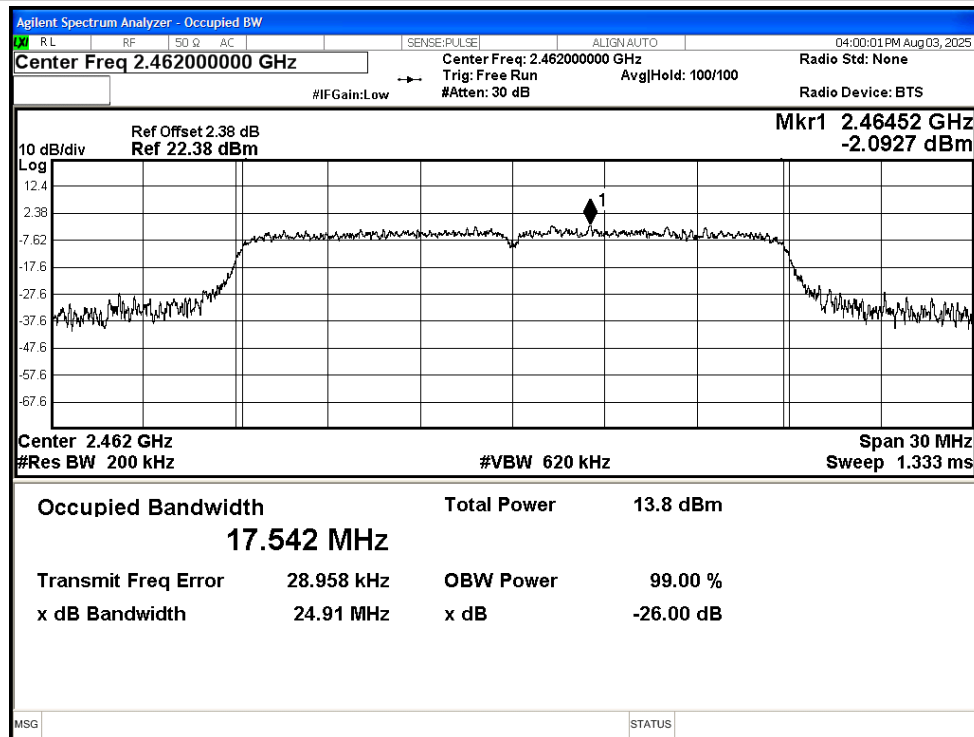
OBW NVNT n20 2412MHz Ant1



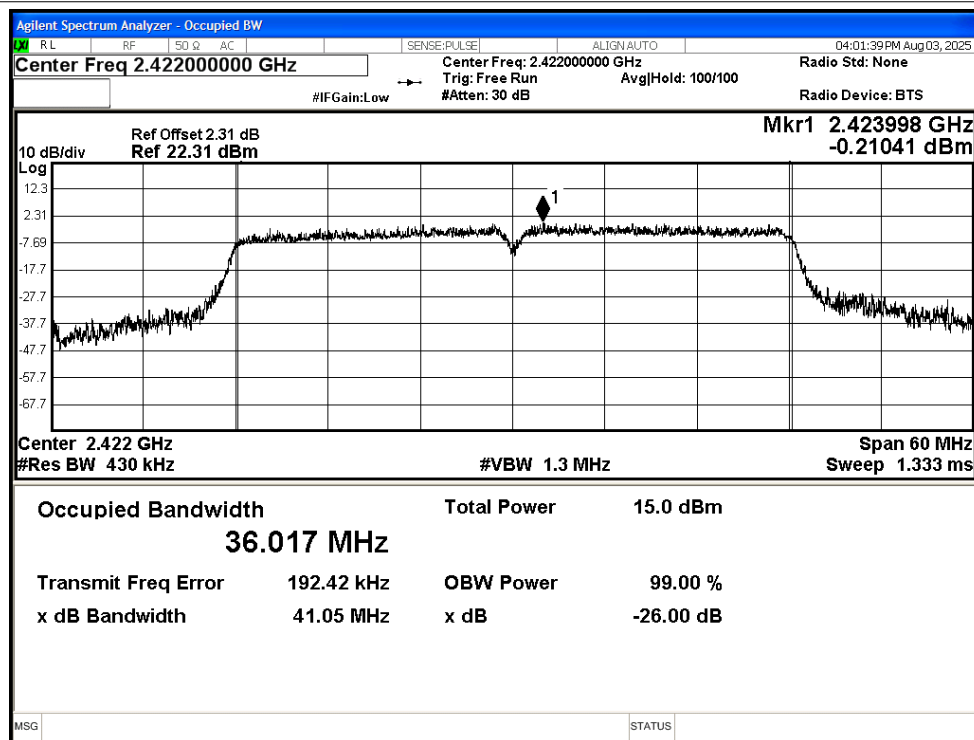
OBW NVNT n20 2437MHz Ant1



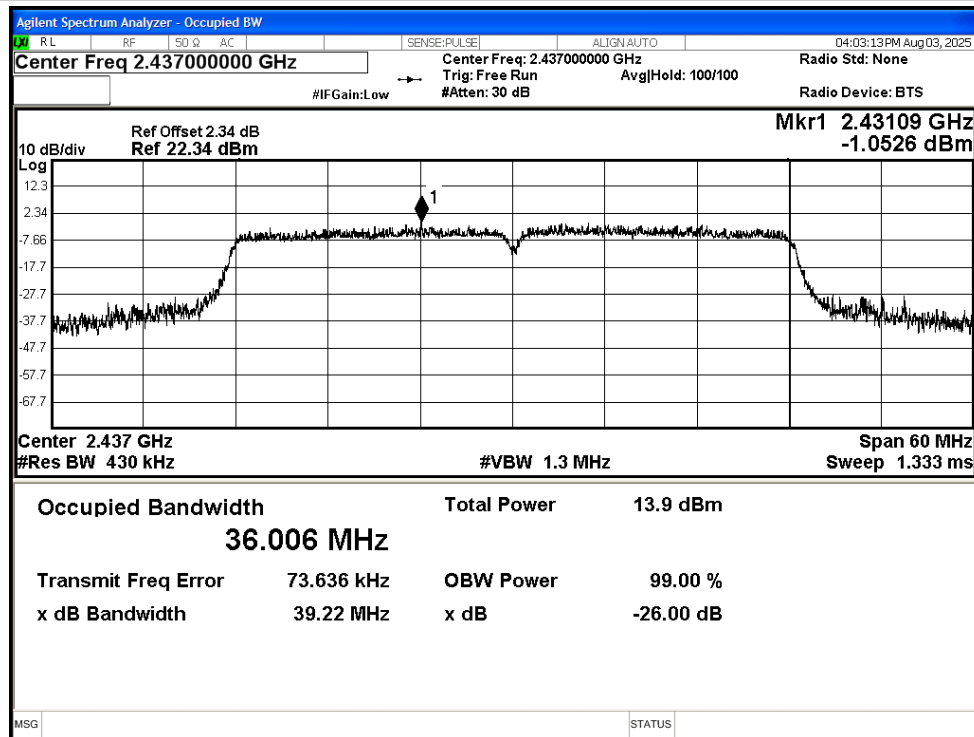
OBW NVNT n20 2462MHz Ant1



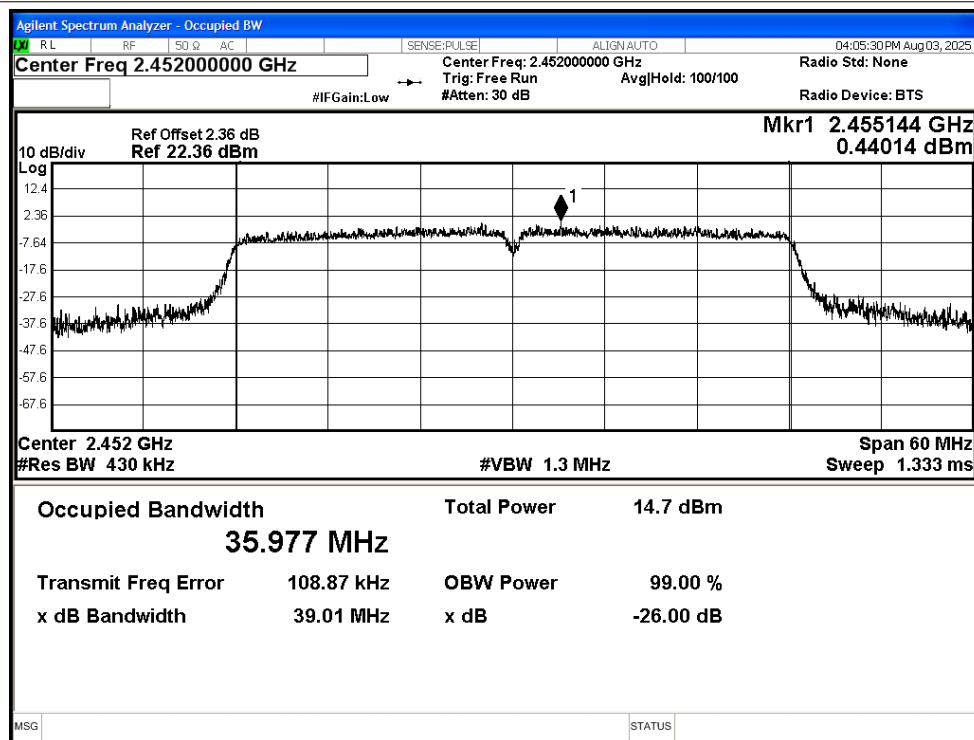
OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



OBW NVNT n40 2452MHz Ant1

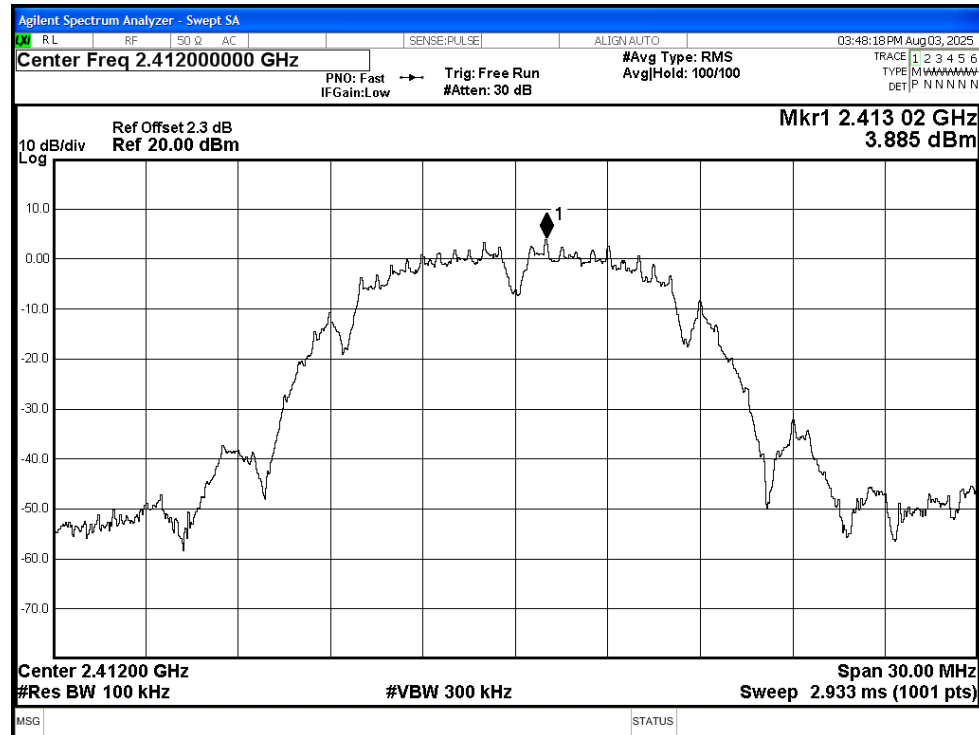


Band Edge

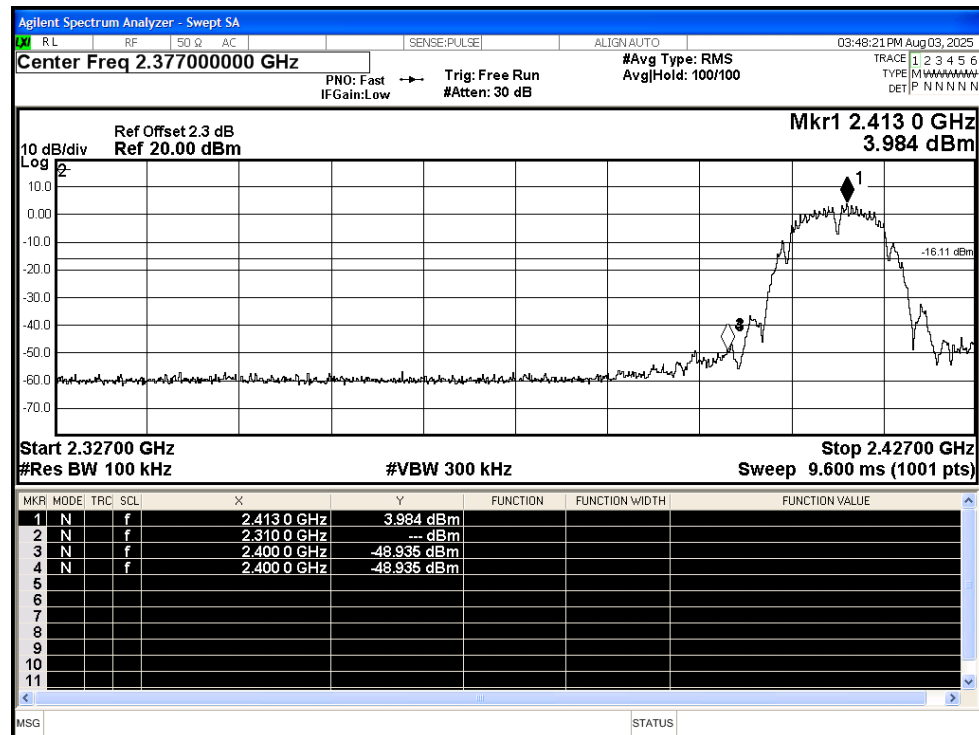
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-52.82	-20	Pass
NVNT	b	2462	Ant1	-57.28	-20	Pass
NVNT	g	2412	Ant1	-33.45	-20	Pass
NVNT	g	2462	Ant1	-43.49	-20	Pass
NVNT	n20	2412	Ant1	-31.74	-20	Pass
NVNT	n20	2462	Ant1	-41.71	-20	Pass
NVNT	n40	2422	Ant1	-33.61	-20	Pass
NVNT	n40	2452	Ant1	-37.46	-20	Pass

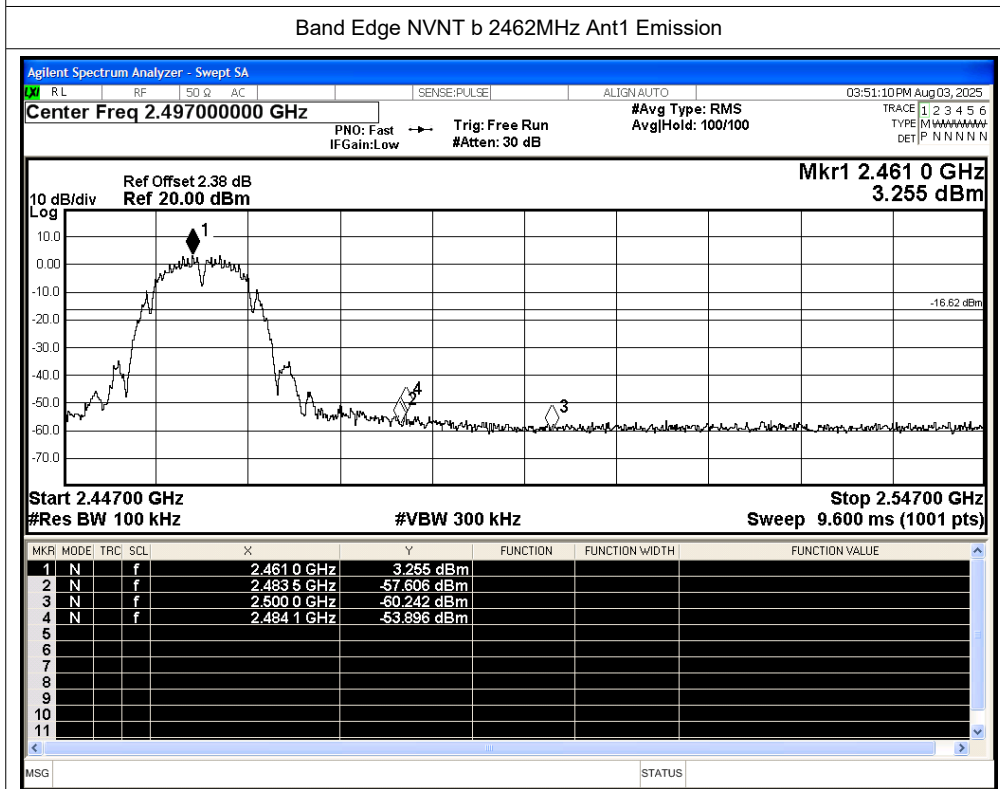
Test Graphs

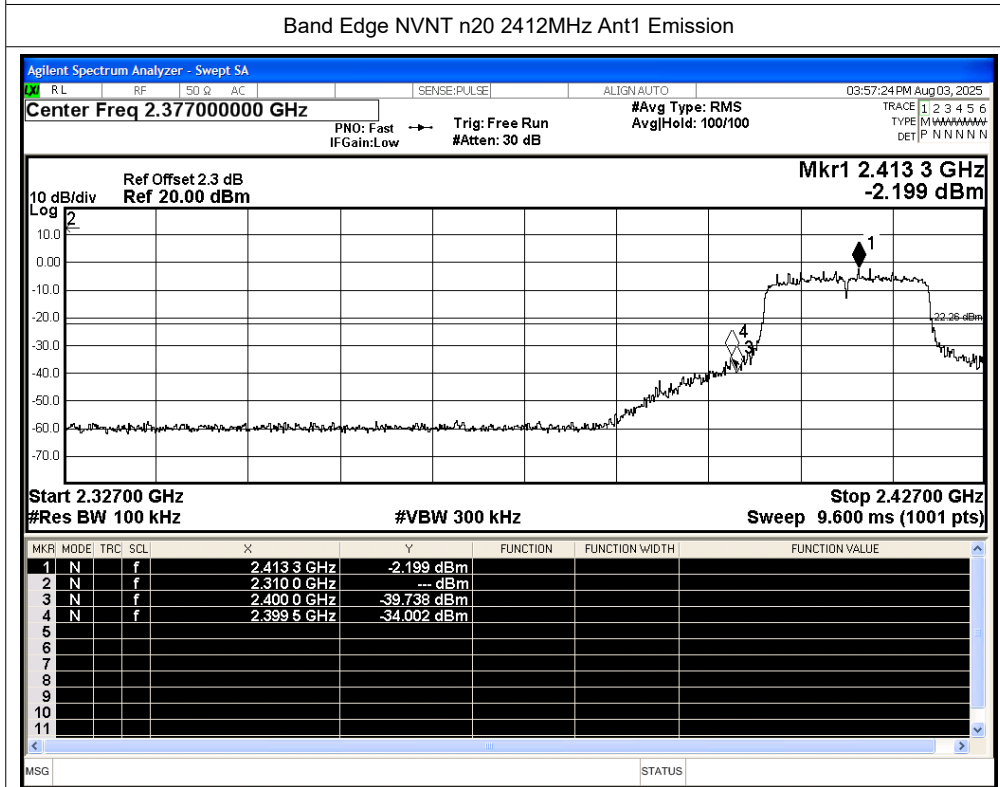
Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



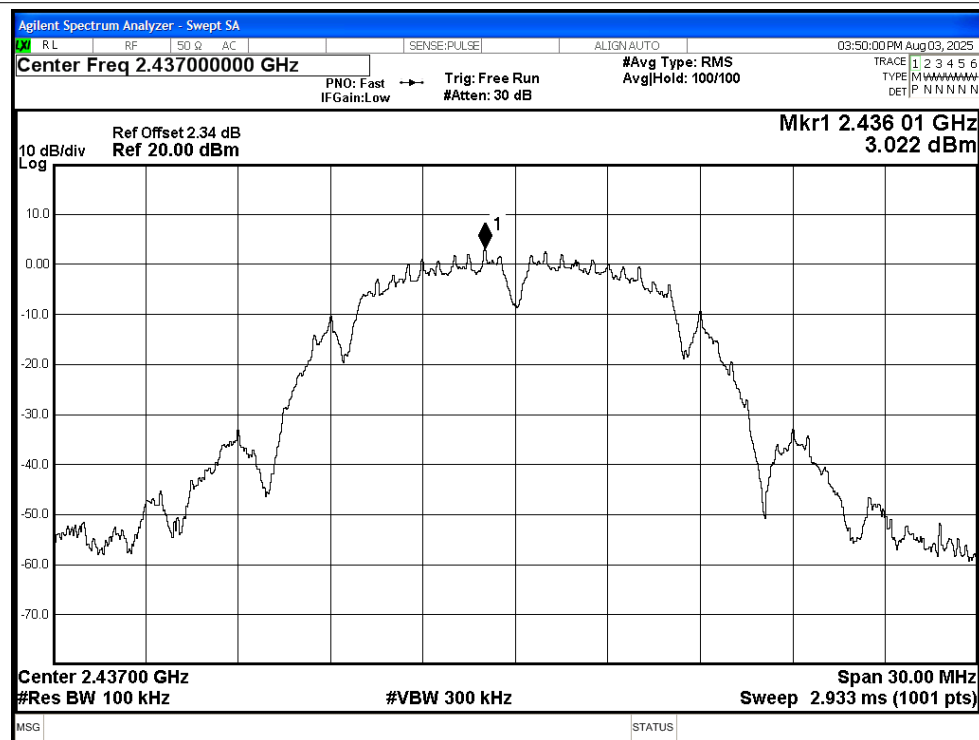




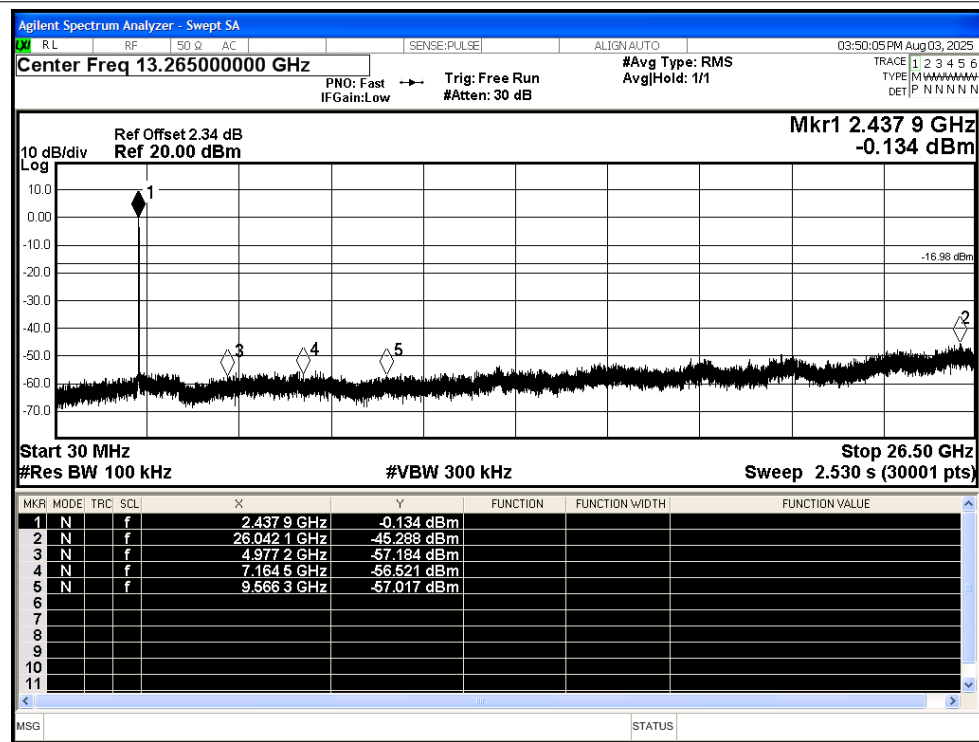
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-49.22	-20	Pass
NVNT	b	2437	Ant1	-48.31	-20	Pass
NVNT	b	2462	Ant1	-48.73	-20	Pass
NVNT	g	2412	Ant1	-43.24	-20	Pass
NVNT	g	2437	Ant1	-43.12	-20	Pass
NVNT	g	2462	Ant1	-43.29	-20	Pass
NVNT	n20	2412	Ant1	-43.54	-20	Pass
NVNT	n20	2437	Ant1	-42.31	-20	Pass
NVNT	n20	2462	Ant1	-42.79	-20	Pass
NVNT	n40	2422	Ant1	-40.76	-20	Pass
NVNT	n40	2437	Ant1	-39.87	-20	Pass
NVNT	n40	2452	Ant1	-41.36	-20	Pass

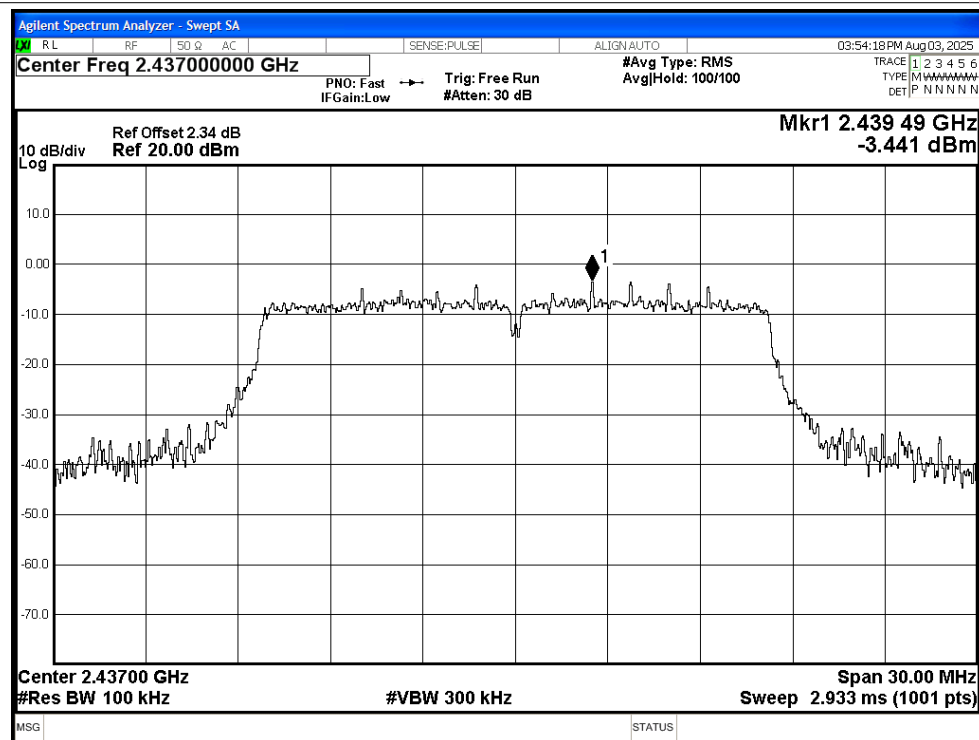
Tx. Spurious NVNT b 2437MHz Ant1 Ref



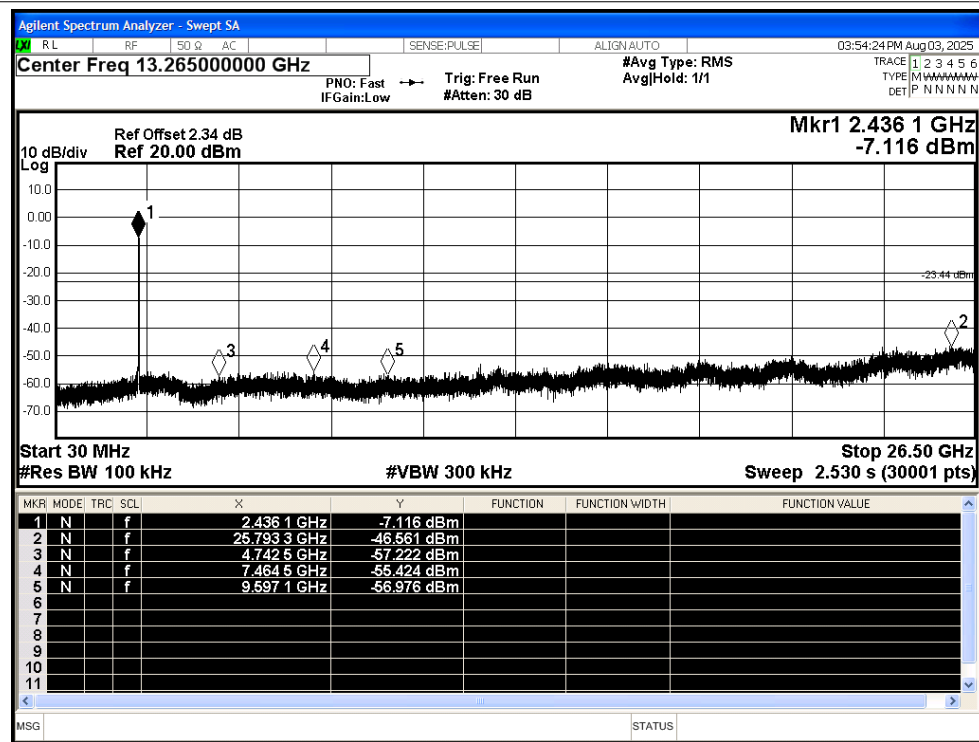
Tx. Spurious NVNT b 2437MHz Ant1 Emission



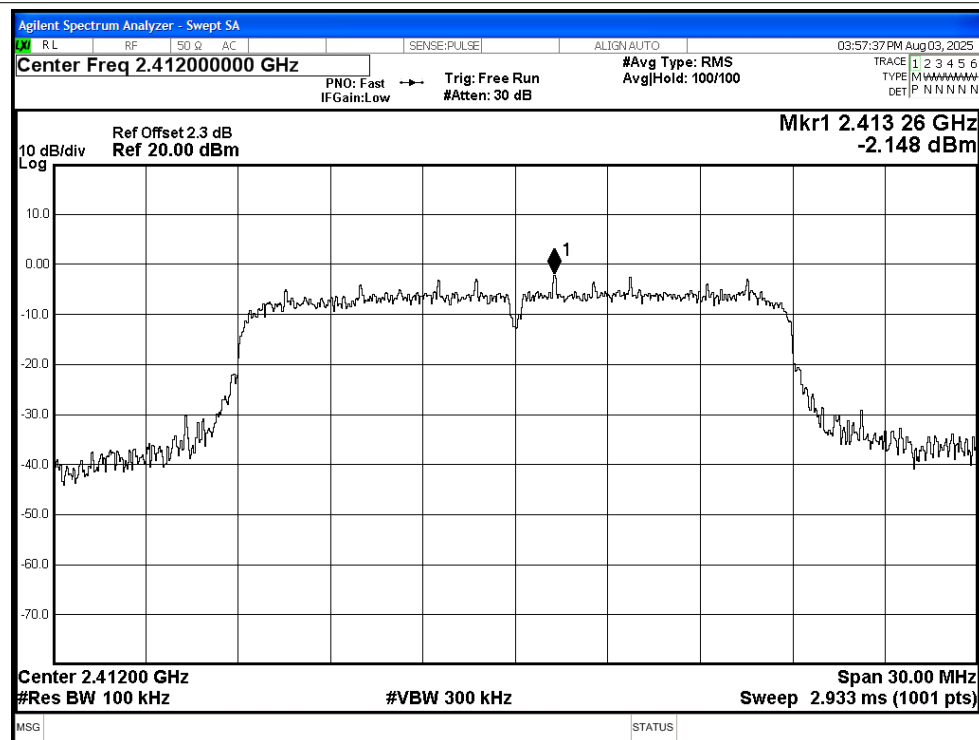
Tx. Spurious NVNT g 2437MHz Ant1 Ref



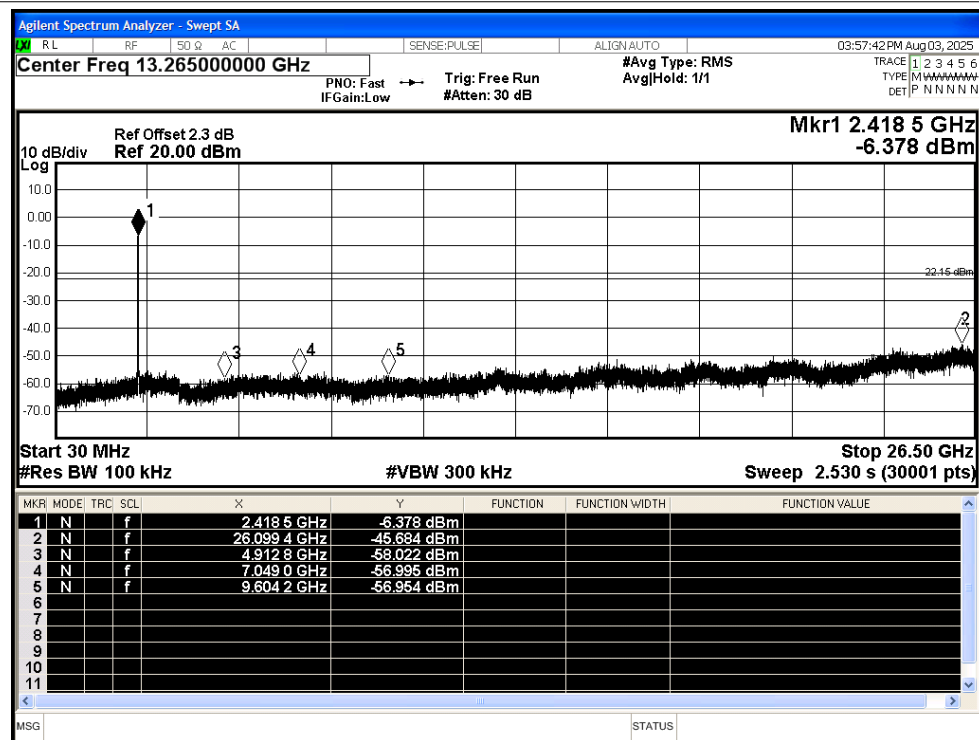
Tx. Spurious NVNT g 2437MHz Ant1 Emission



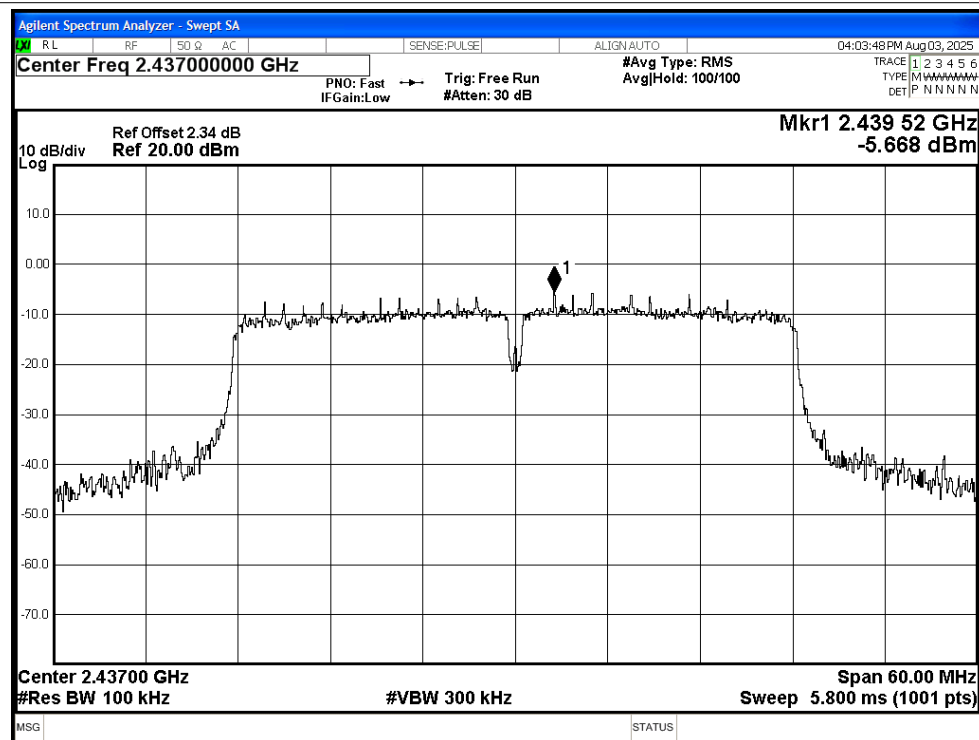
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



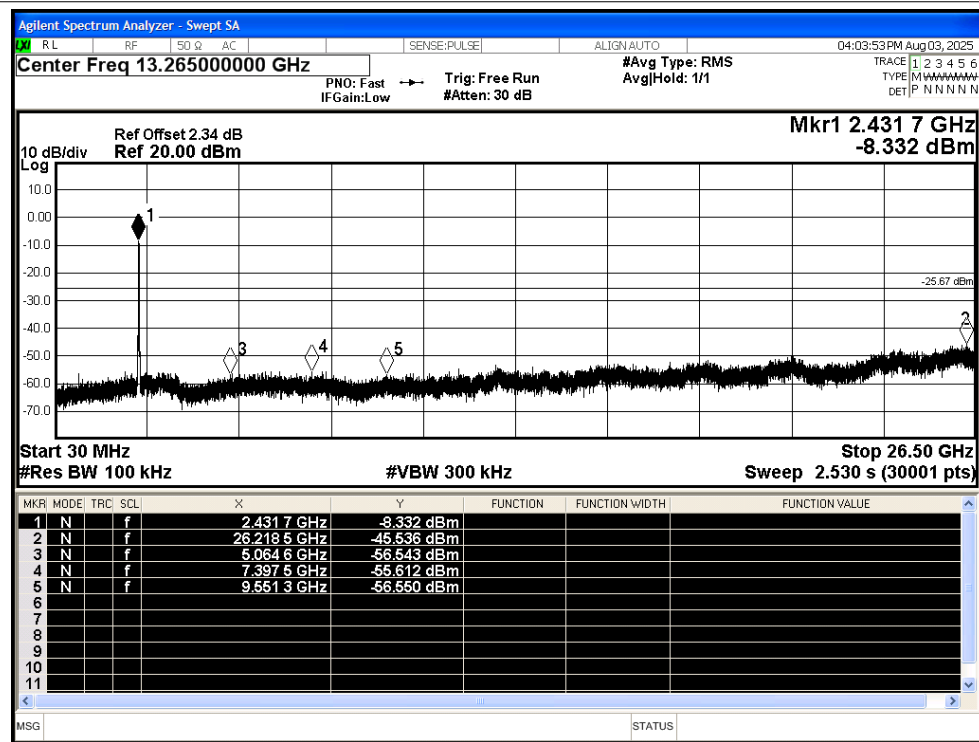
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



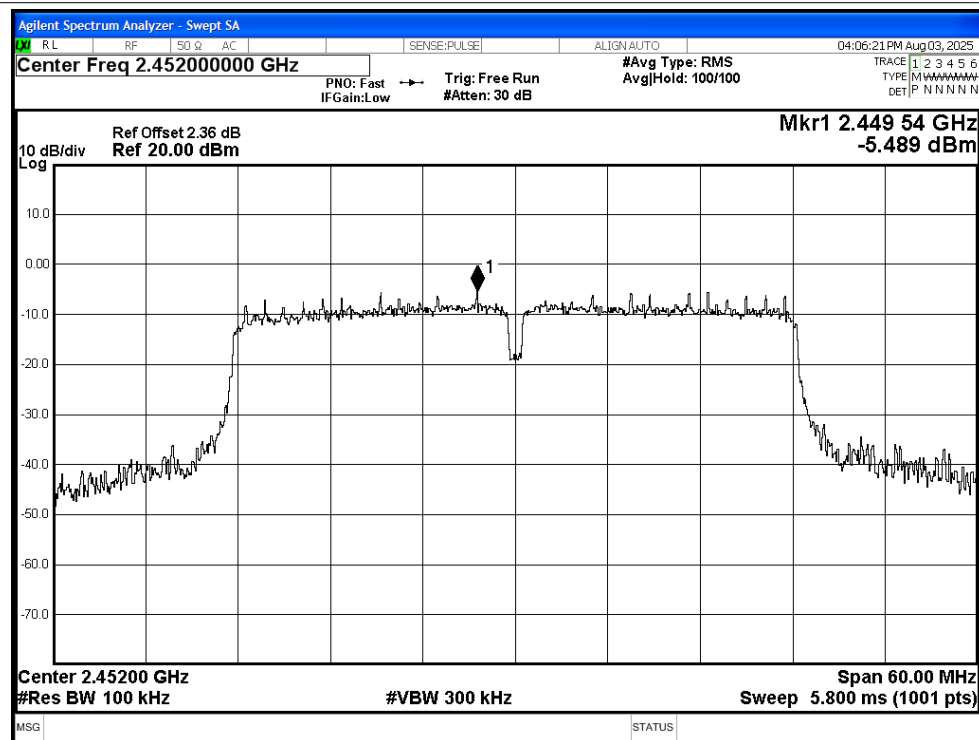
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



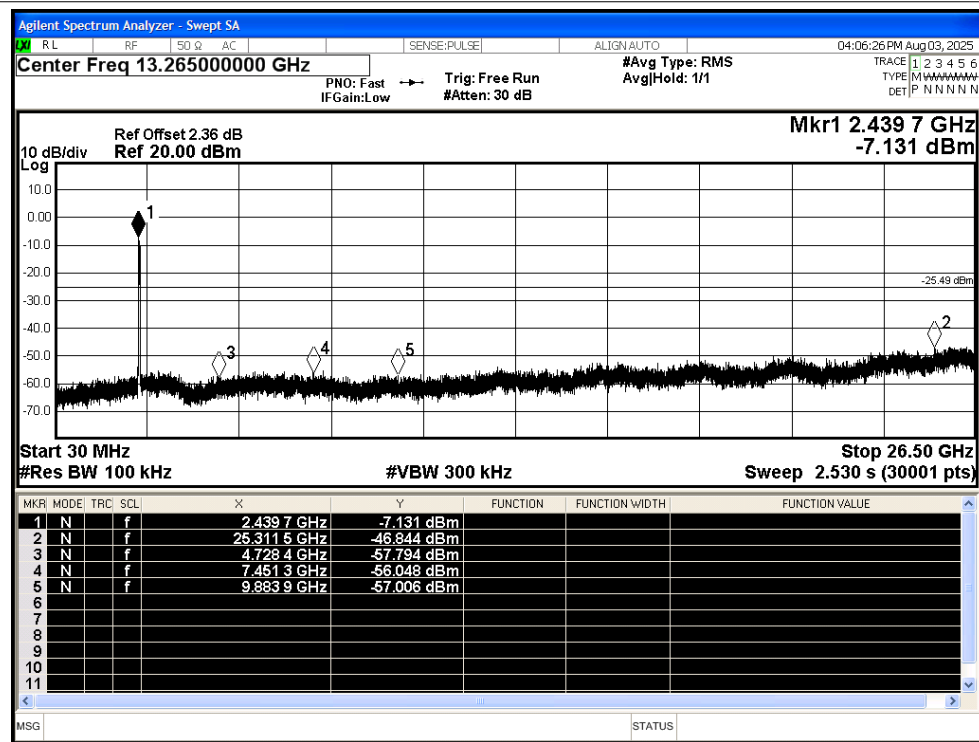
Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission



***** End of Report *****