

Table of Contents

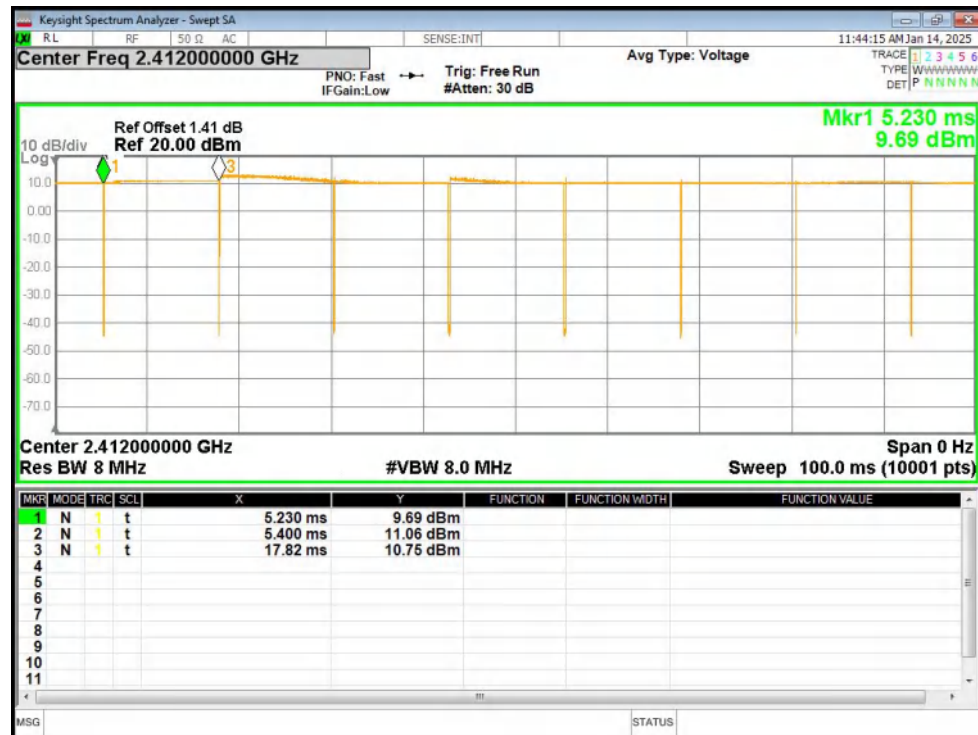
1.Duty Cycle	2
2.Maximum Peak Conducted Output Power	9
3.-6dB Bandwidth	10
4.Occupied Channel Bandwidth	17
5.Maximum Power Spectral Density Level	24
6.Band Edge	31
7.Conducted RF Spurious Emission	40

FCC ID:2BEET-V851S**FCC_2.4G WIFI(Part15.247) Test Data****1.Duty Cycle**

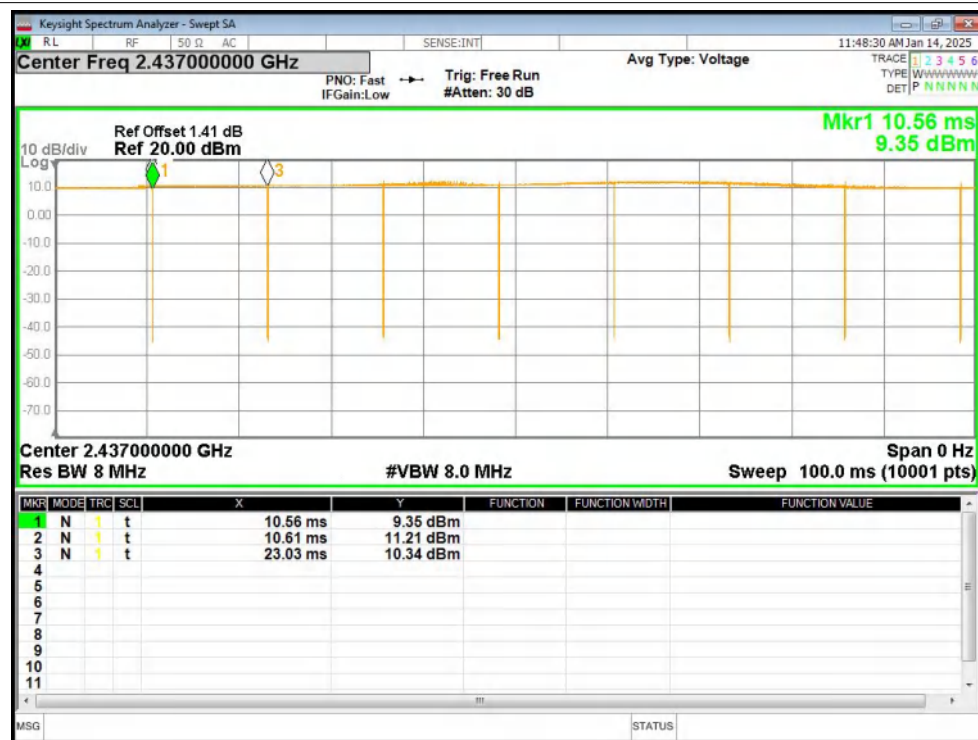
Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
b	2412	98.65	0	0.08
b	2437	99.6	0	0.08
b	2462	99.6	0	0.08
g	2412	95.37	0.21	0.49
g	2437	92.79	0.32	0.49
g	2462	94.06	0.27	0.49
n20	2412	91.87	0.37	0.52
n20	2437	94.12	0.26	0.52
n20	2462	95.07	0.22	0.52
n40	2422	94	0.27	1.06
n40	2437	84.68	0.72	1.06
n40	2452	95.92	0.18	1.06

Test Graphs

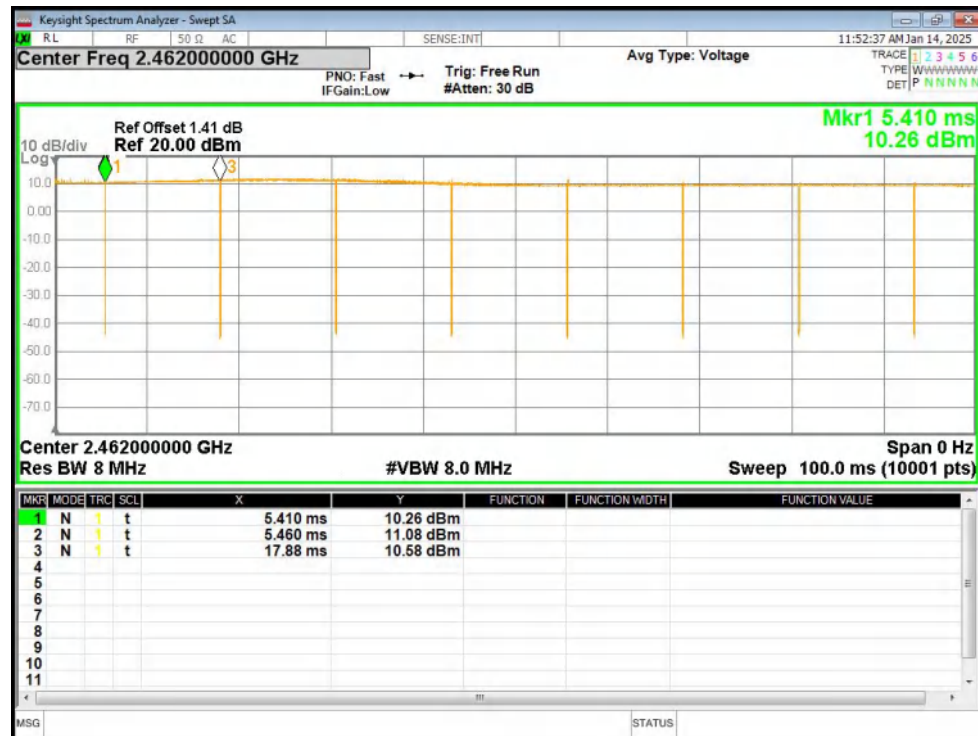
Duty Cycle NVNT b 2412MHz Ant1



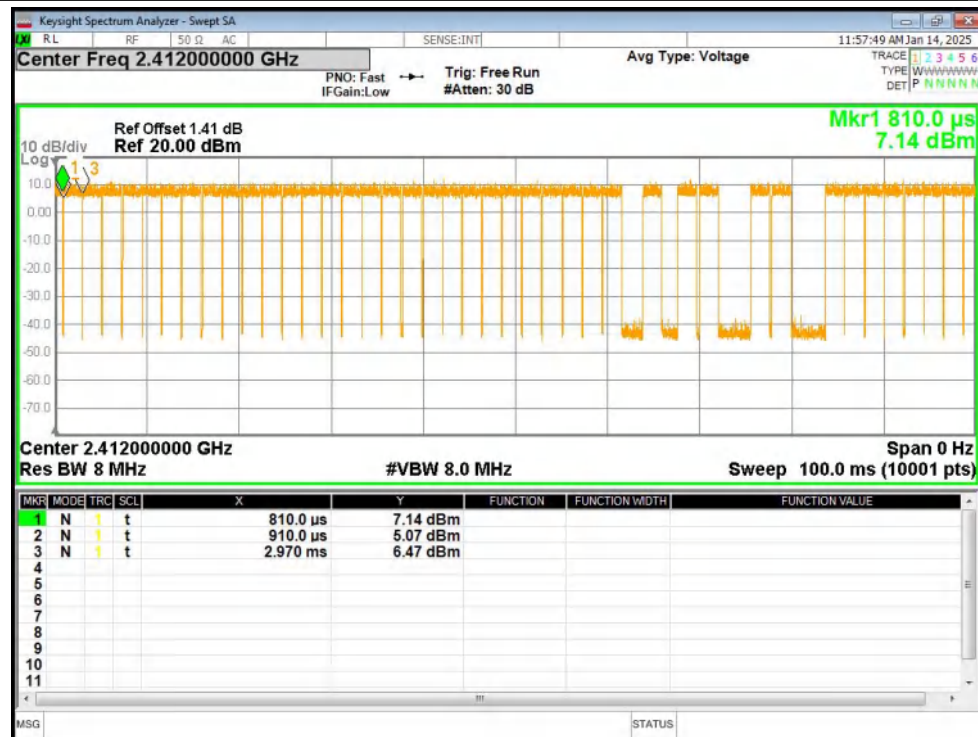
Duty Cycle NVNT b 2437MHz Ant1



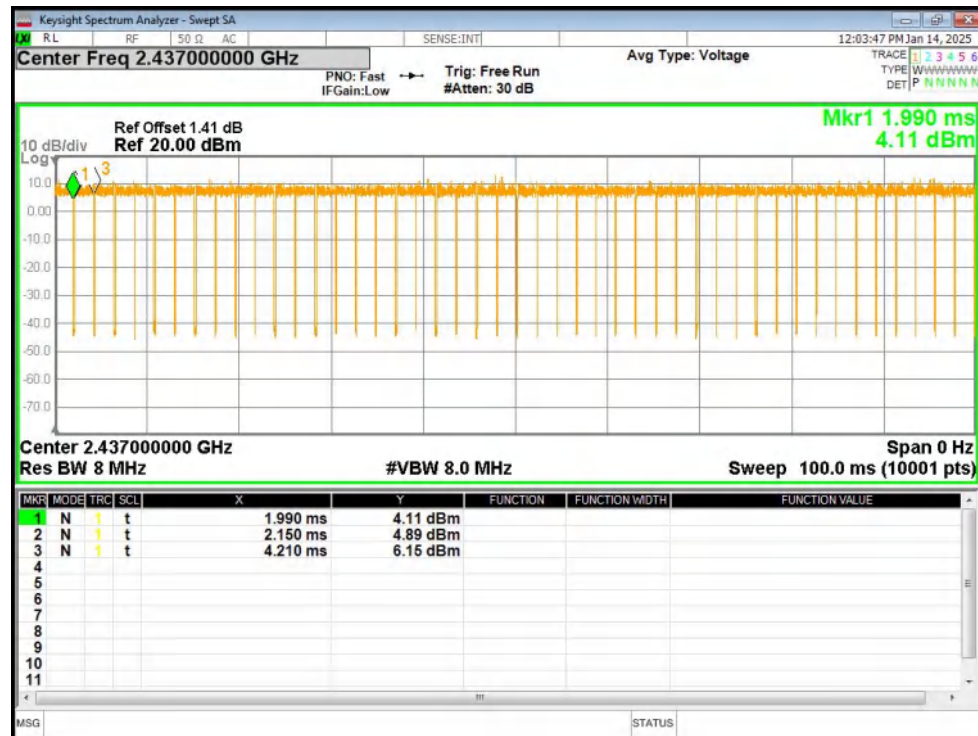
Duty Cycle NVNT b 2462MHz Ant1



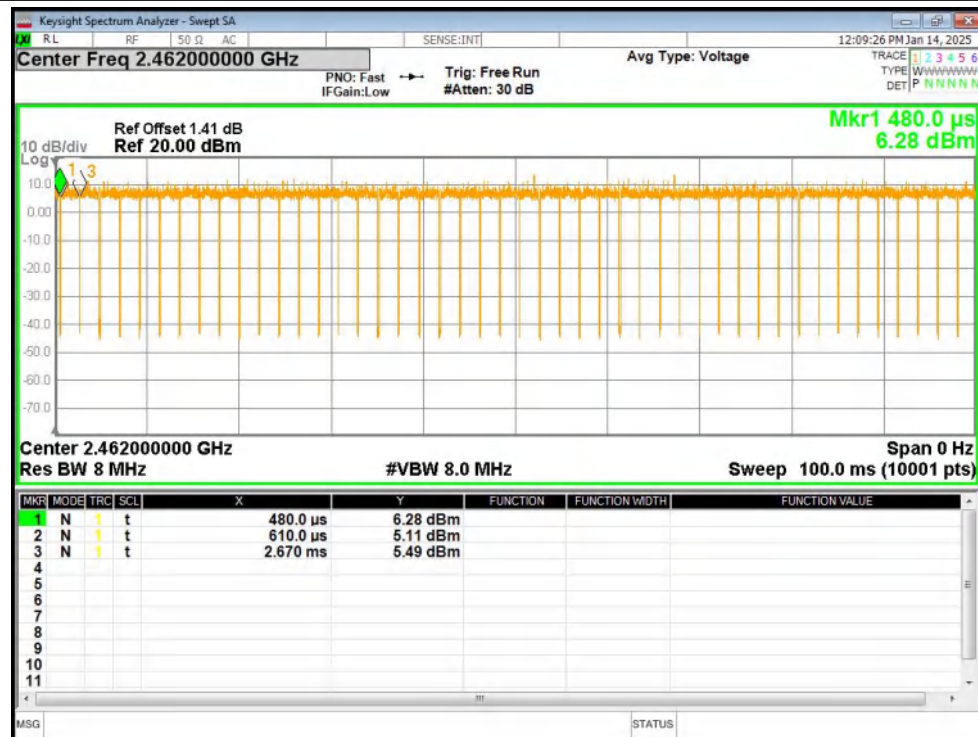
Duty Cycle NVNT g 2412MHz Ant1



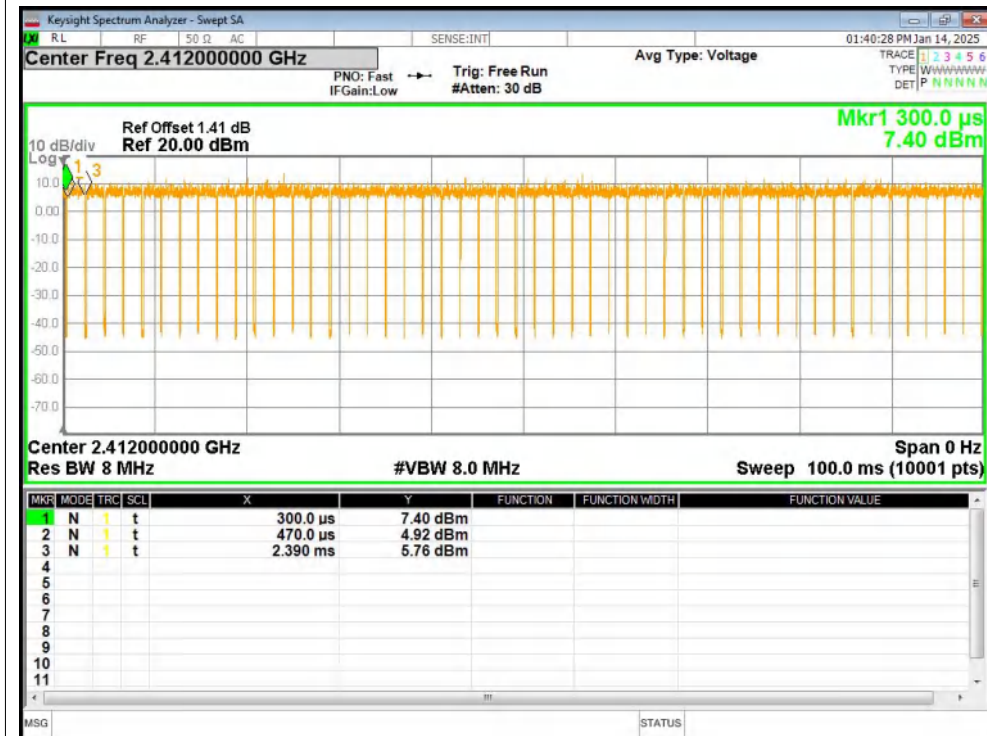
Duty Cycle NVNT g 2437MHz Ant1



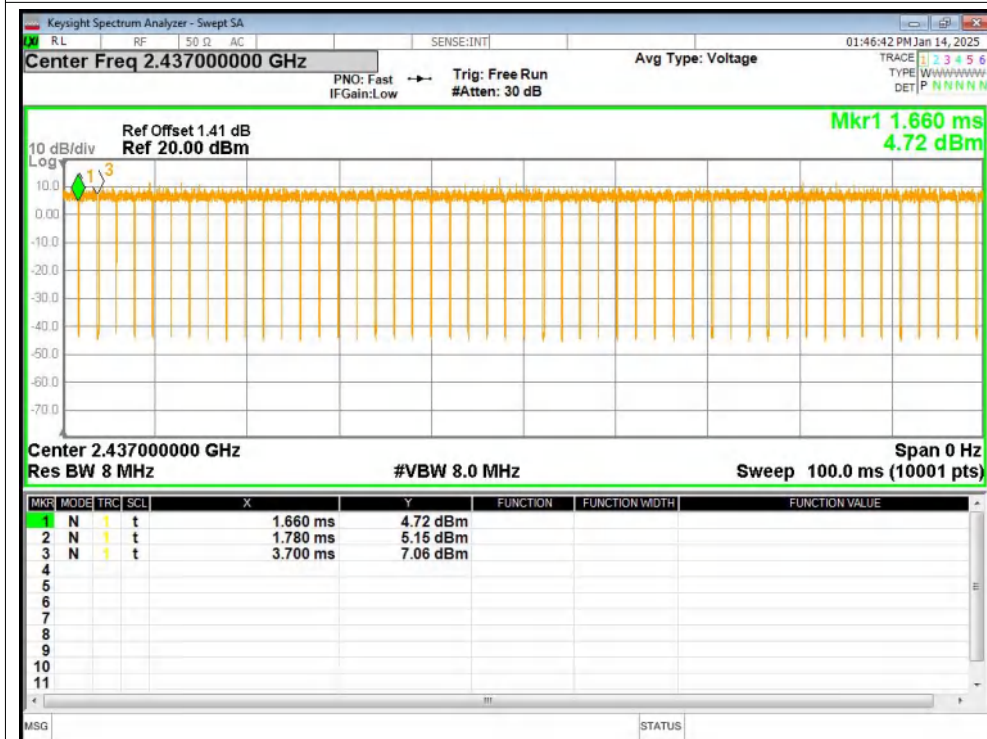
Duty Cycle NVNT g 2462MHz Ant1



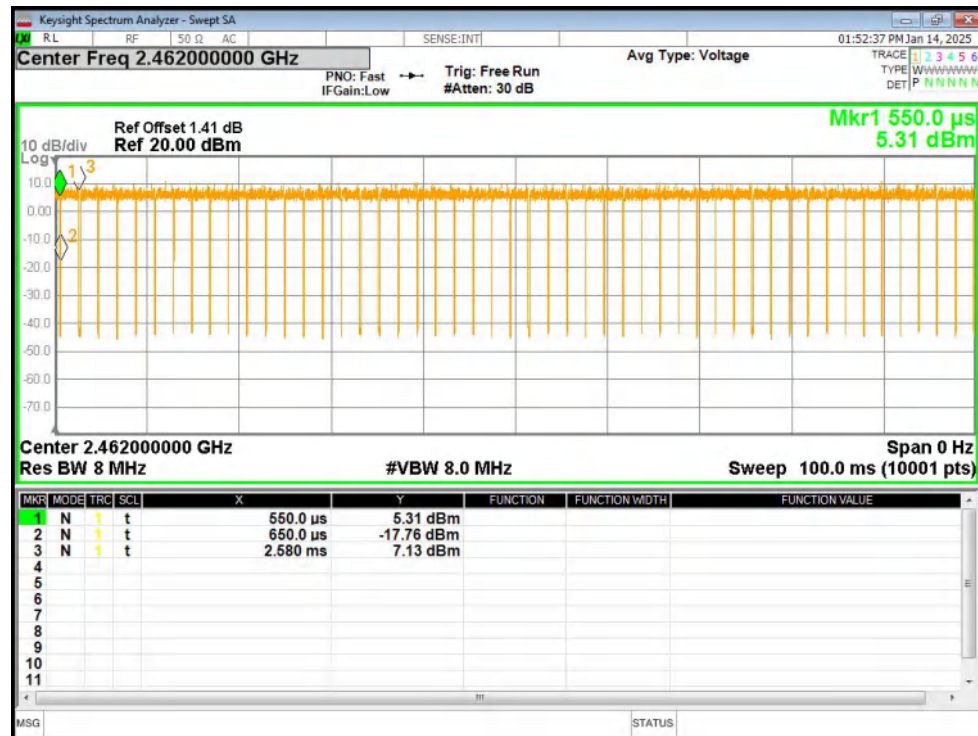
Duty Cycle NVNT n20 2412MHz Ant1



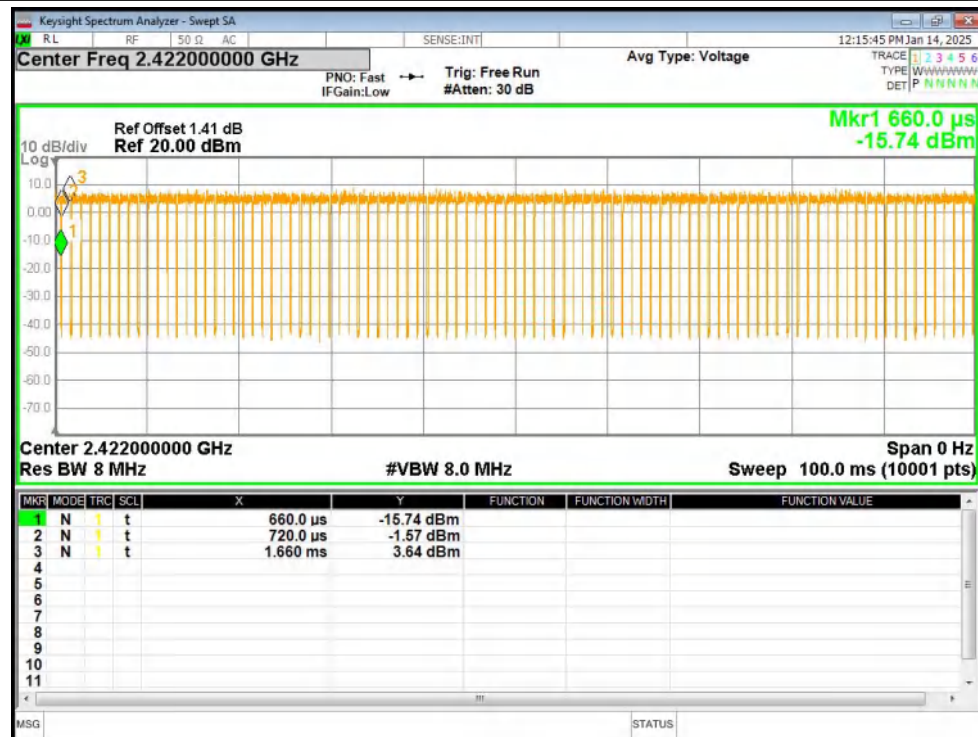
Duty Cycle NVNT n20 2437MHz Ant1



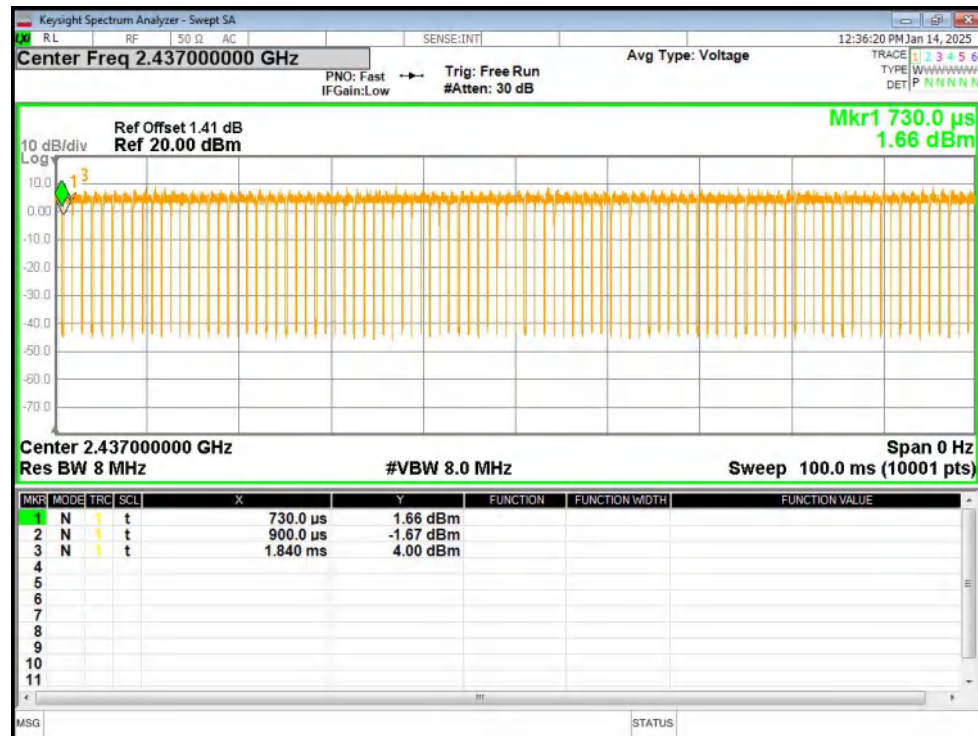
Duty Cycle NVNT n20 2462MHz Ant1



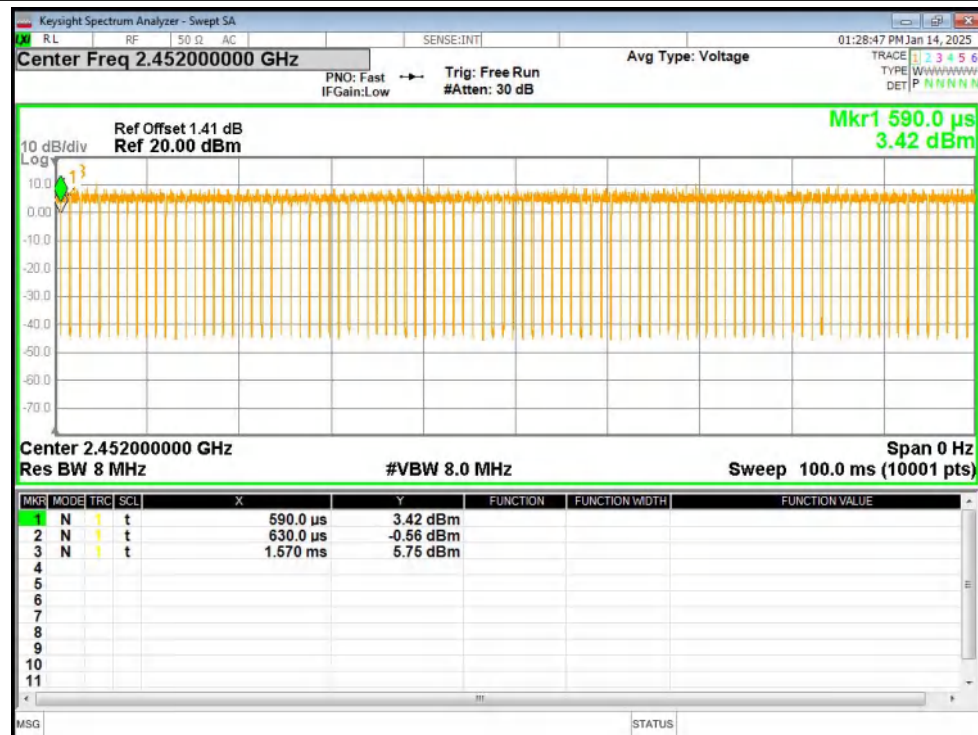
Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



Duty Cycle NVNT n40 2452MHz Ant1



2.Maximum Peak Conducted Output Power

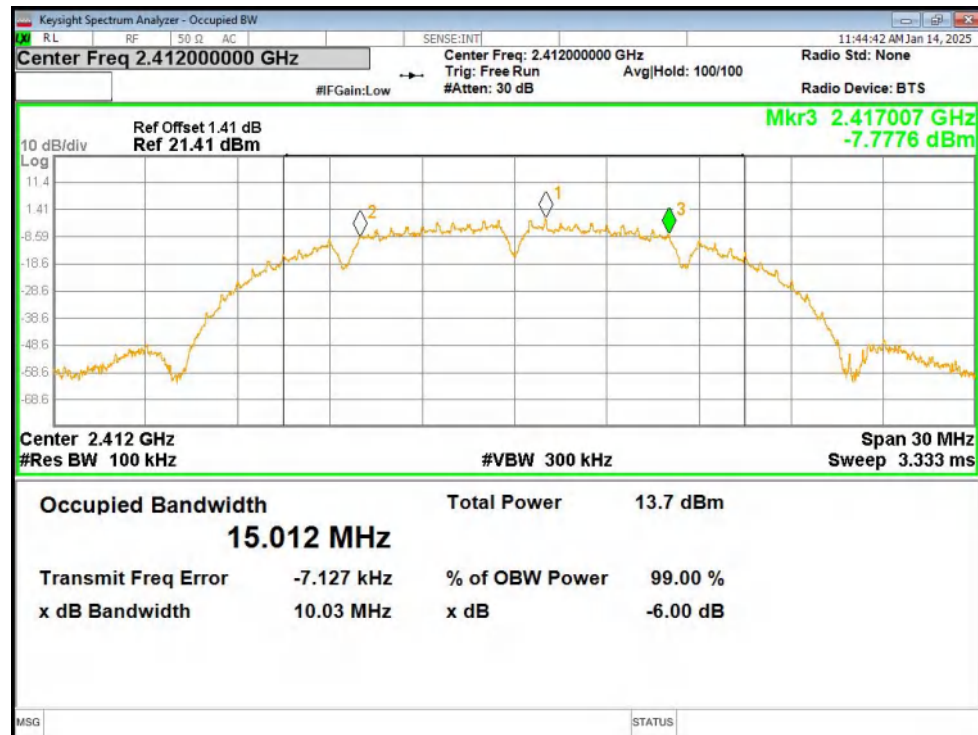
Mode	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
b	2412	8.73	30	Pass
b	2437	8.3	30	Pass
b	2462	7.86	30	Pass
g	2412	8.62	30	Pass
g	2437	8.35	30	Pass
g	2462	7.91	30	Pass
n20	2412	8.31	30	Pass
n20	2437	7.84	30	Pass
n20	2462	7.37	30	Pass
n40	2422	8.81	30	Pass
n40	2437	8.62	30	Pass
n40	2452	9.34	30	Pass

3.-6dB Bandwidth

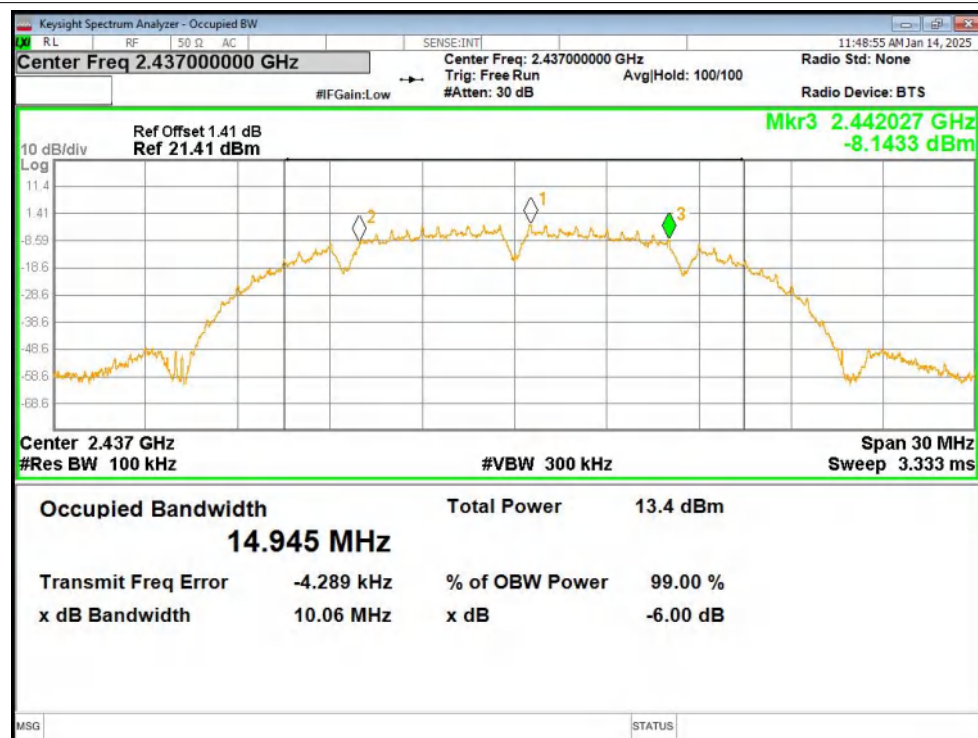
Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	10.027	0.5	Pass
b	2437	10.063	0.5	Pass
b	2462	10.04	0.5	Pass
g	2412	16.306	0.5	Pass
g	2437	16.349	0.5	Pass
g	2462	16.319	0.5	Pass
n20	2412	17.543	0.5	Pass
n20	2437	17.265	0.5	Pass
n20	2462	16.893	0.5	Pass
n40	2422	35.129	0.5	Pass
n40	2437	35.433	0.5	Pass
n40	2452	35.165	0.5	Pass

Test Graphs

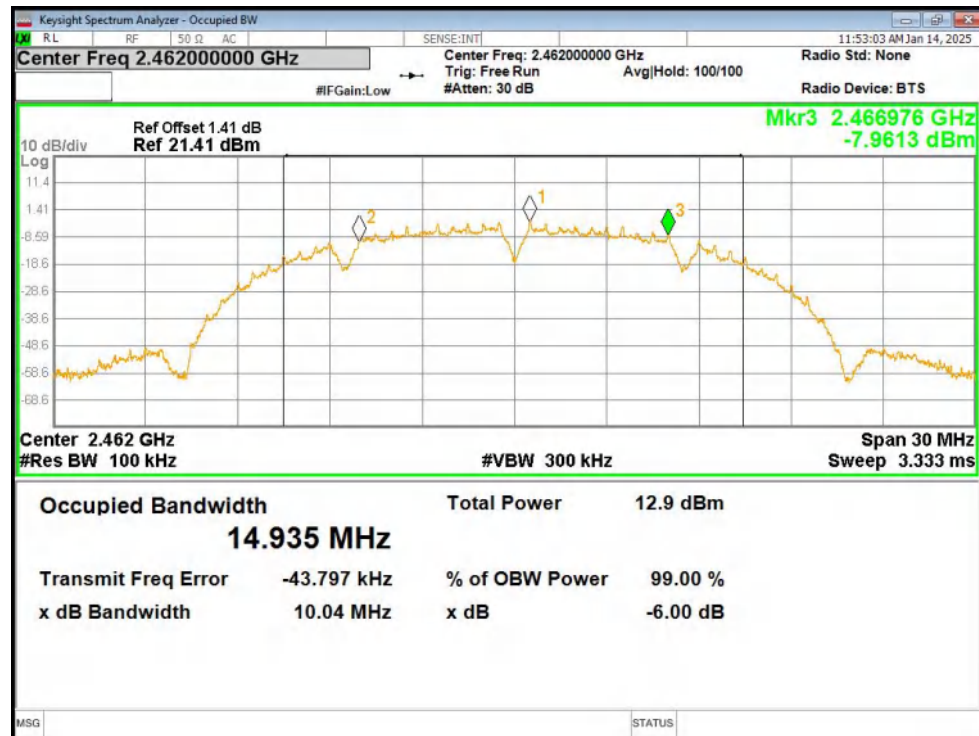
-6dB Bandwidth NVNT b 2412MHz Ant1



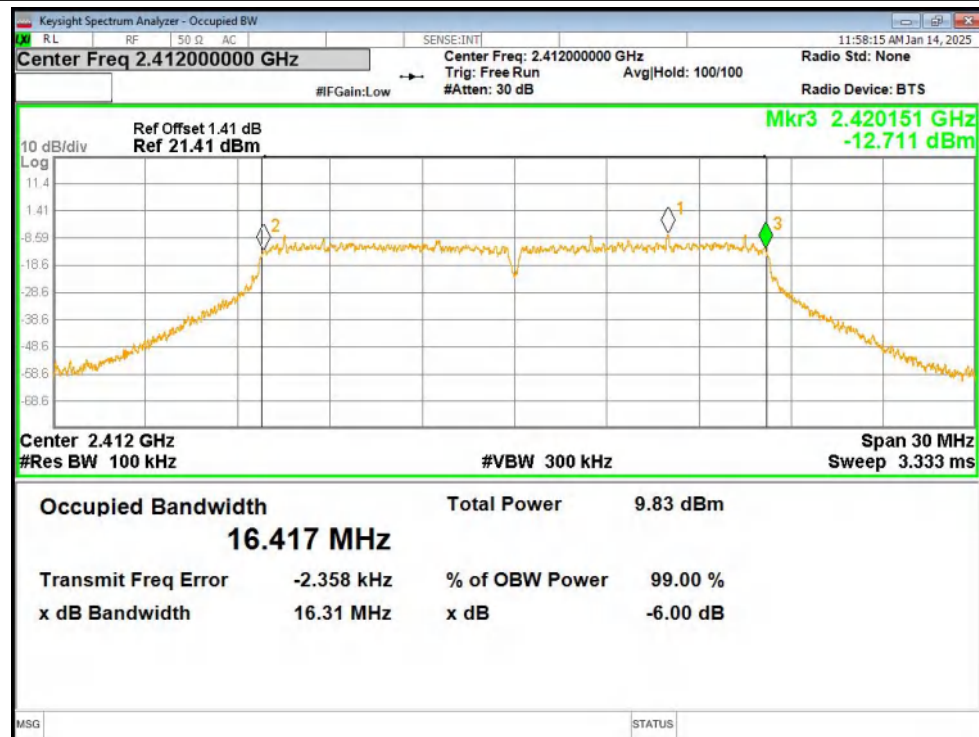
-6dB Bandwidth NVNT b 2437MHz Ant1



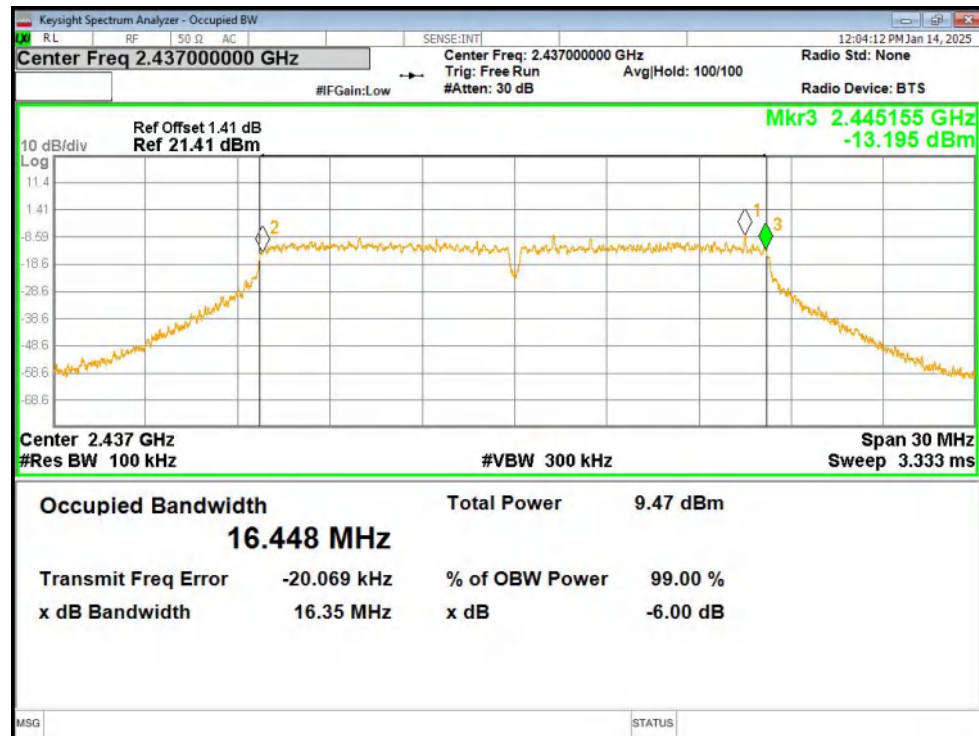
-6dB Bandwidth NVNT b 2462MHz Ant1



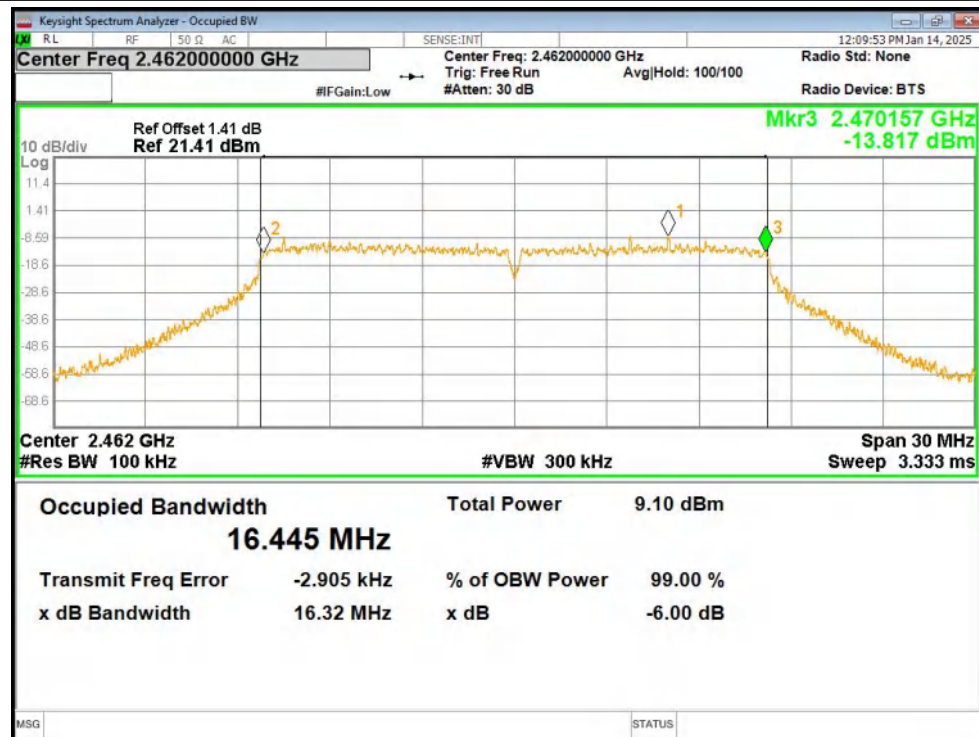
-6dB Bandwidth NVNT g 2412MHz Ant1



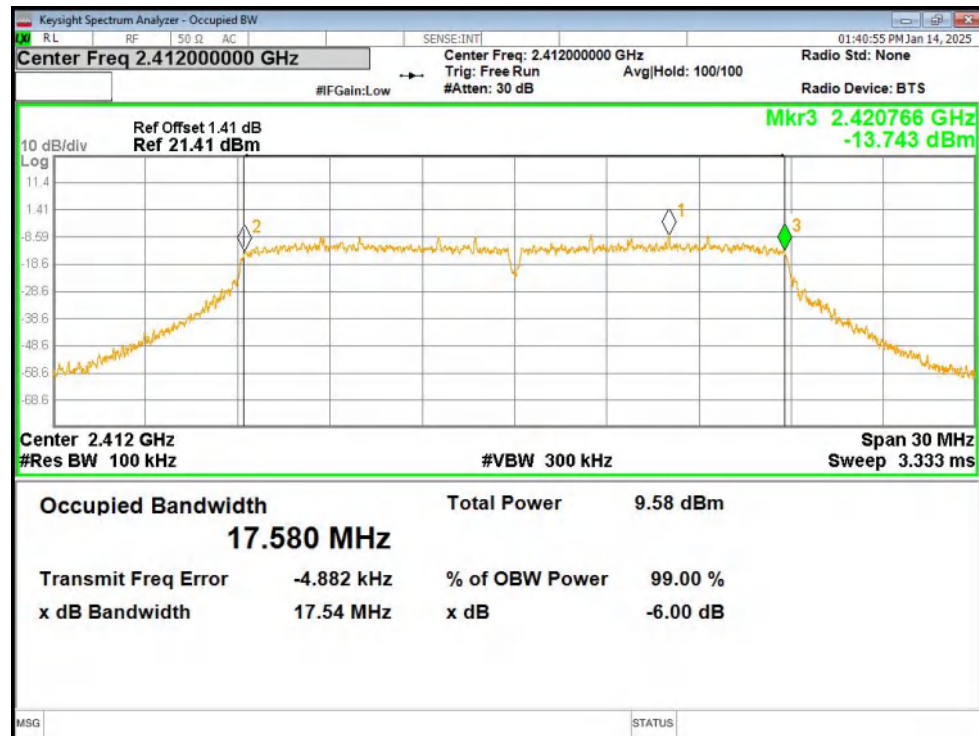
-6dB Bandwidth NVNT g 2437MHz Ant1



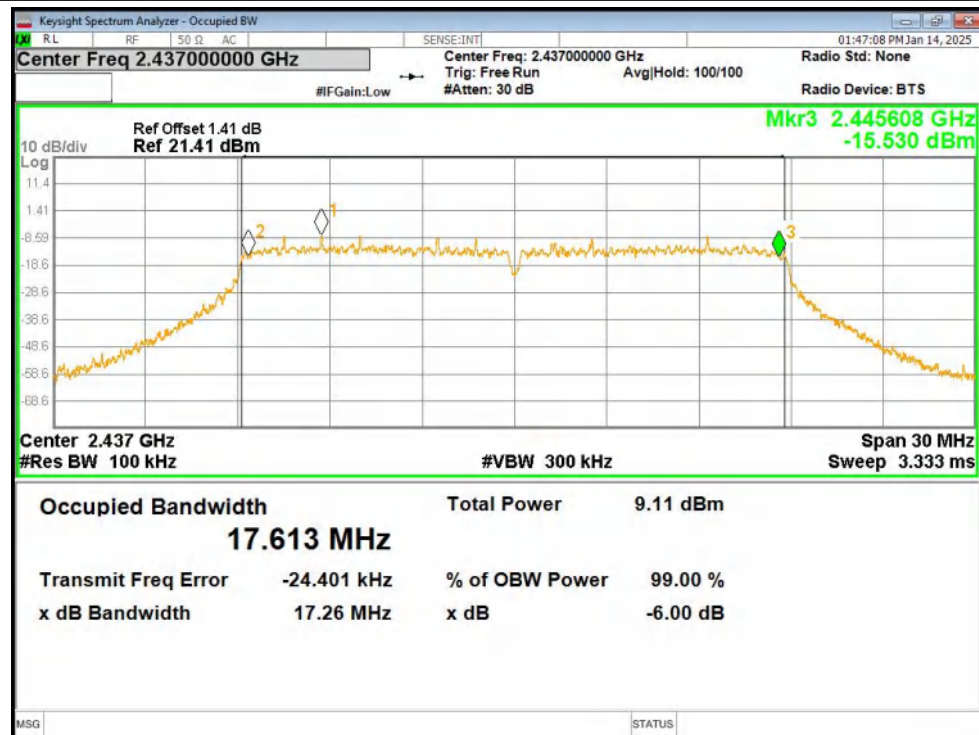
-6dB Bandwidth NVNT g 2462MHz Ant1



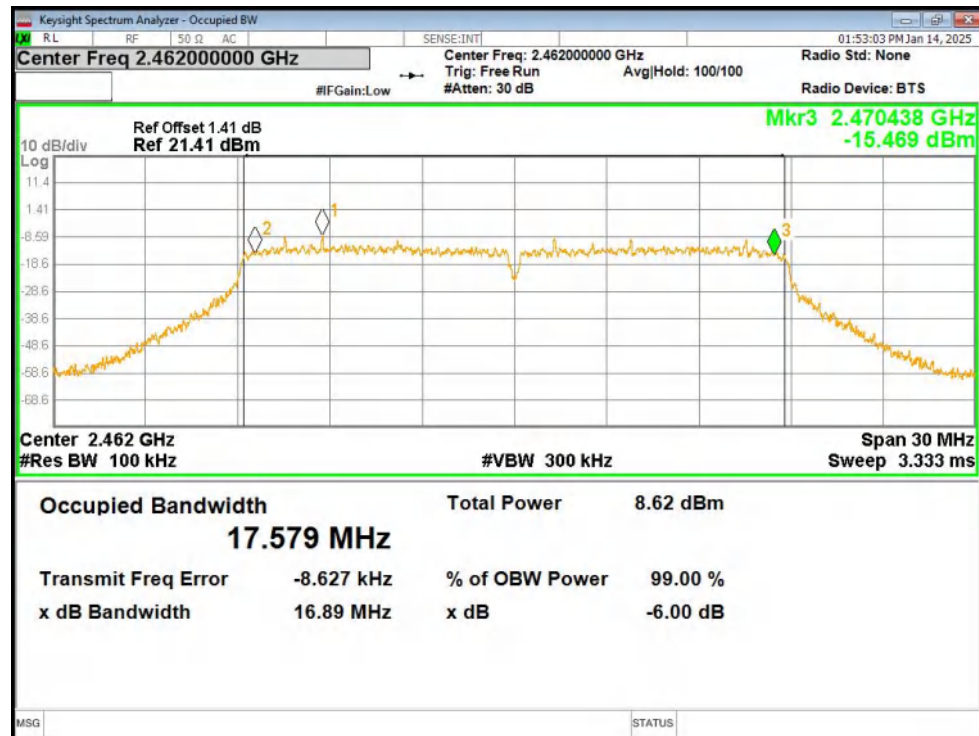
-6dB Bandwidth NVNT n20 2412MHz Ant1



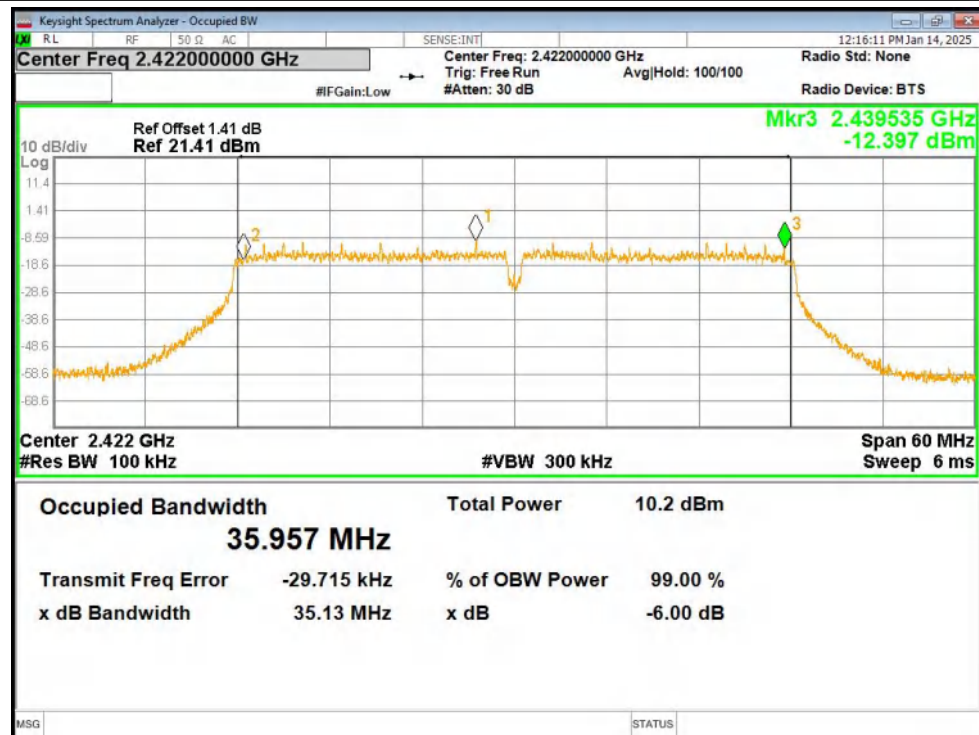
-6dB Bandwidth NVNT n20 2437MHz Ant1



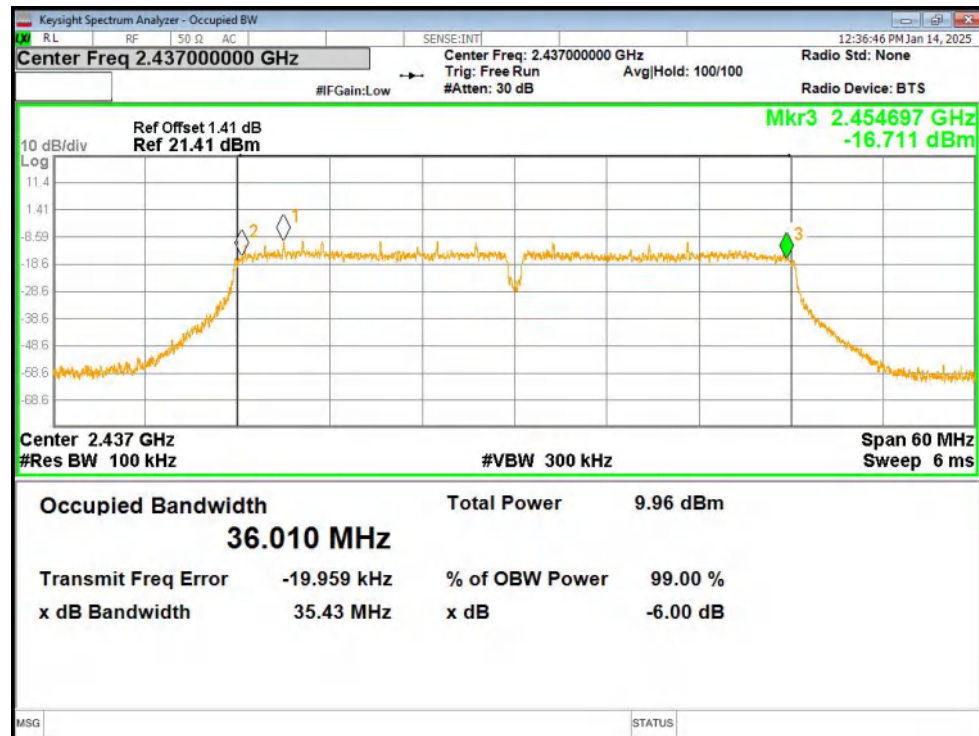
-6dB Bandwidth NVNT n20 2462MHz Ant1



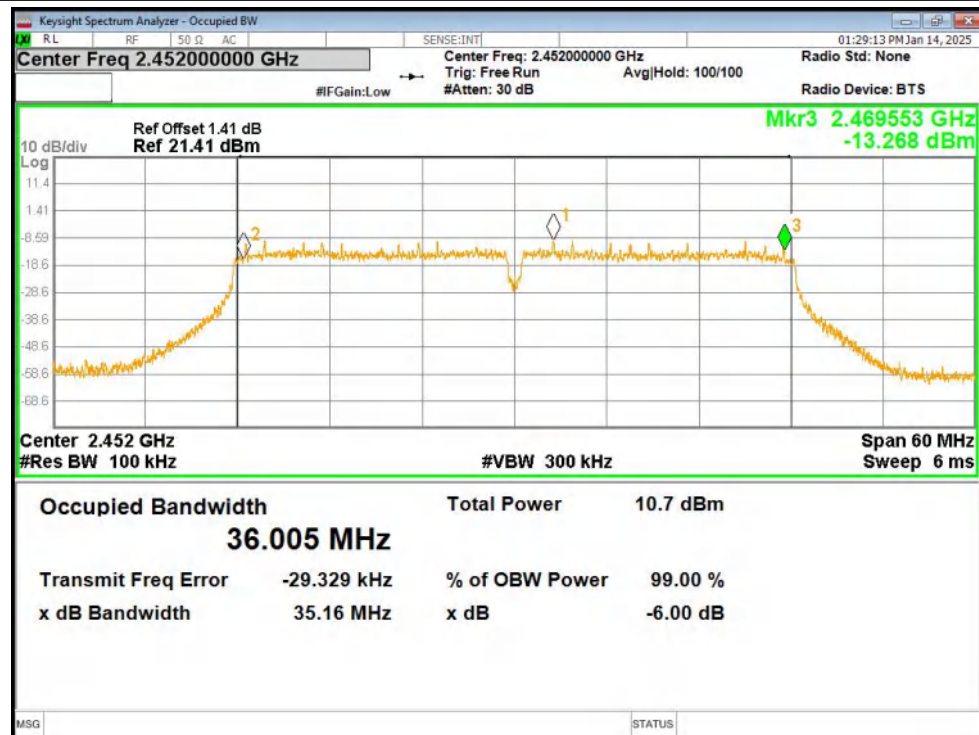
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant1

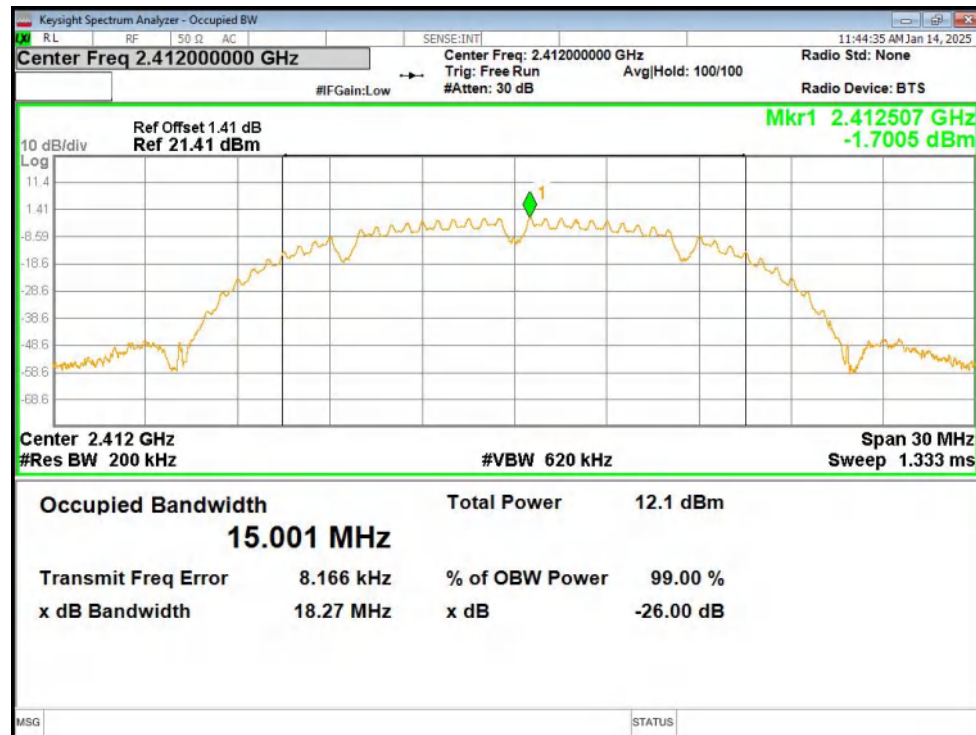


4.Occupied Channel Bandwidth

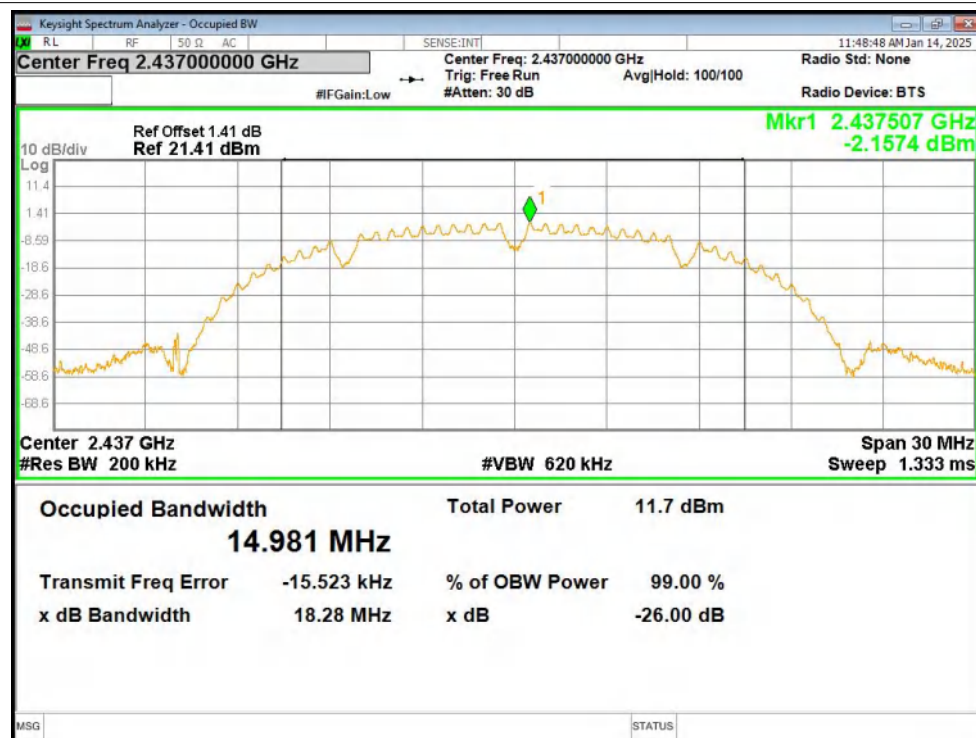
Mode	Frequency (MHz)	99% OBW (MHz)
b	2412	15.001
b	2437	14.981
b	2462	14.968
g	2412	16.528
g	2437	16.539
g	2462	16.531
n20	2412	17.642
n20	2437	17.646
n20	2462	17.653
n40	2422	36.087
n40	2437	36.165
n40	2452	36.173

Test Graphs

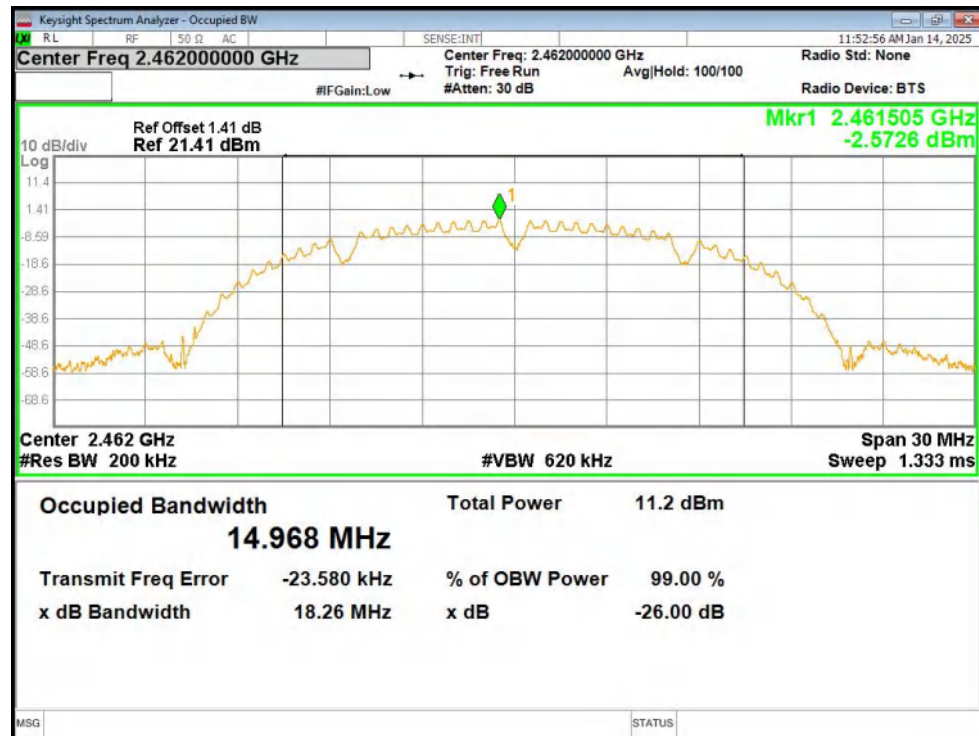
OBW NVNT b 2412MHz Ant1



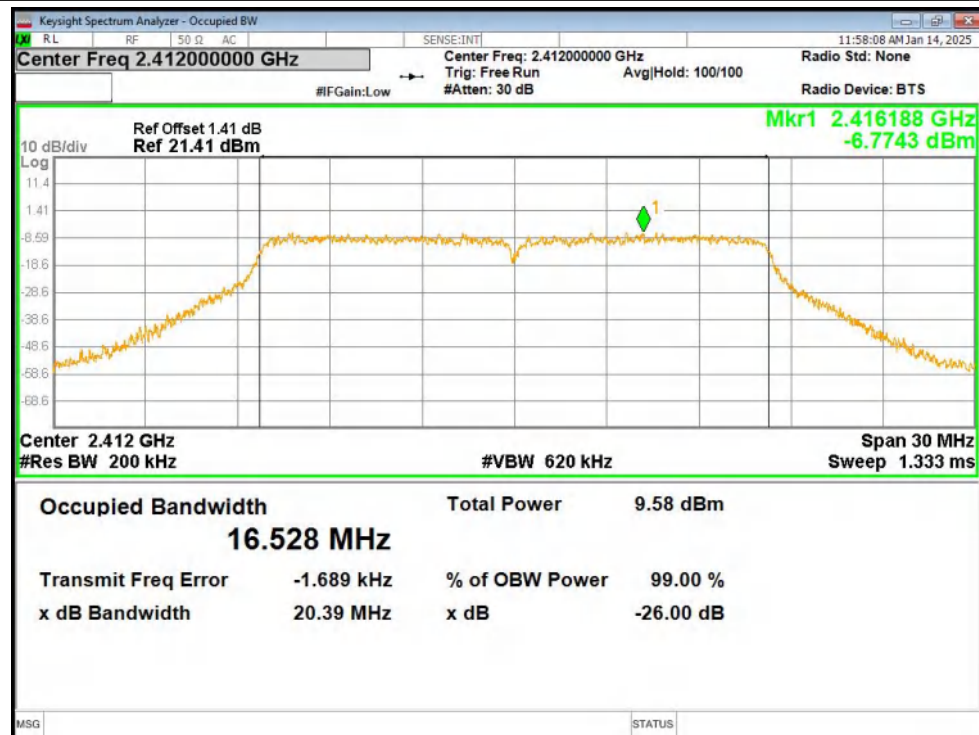
OBW NVNT b 2437MHz Ant1



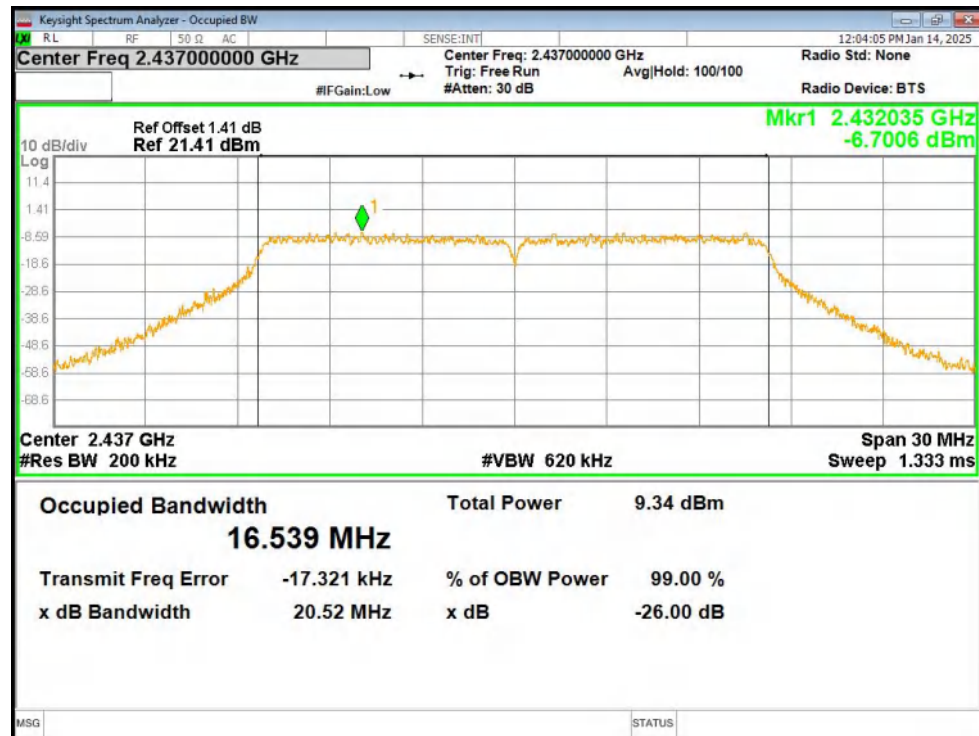
OBW NVNT b 2462MHz Ant1



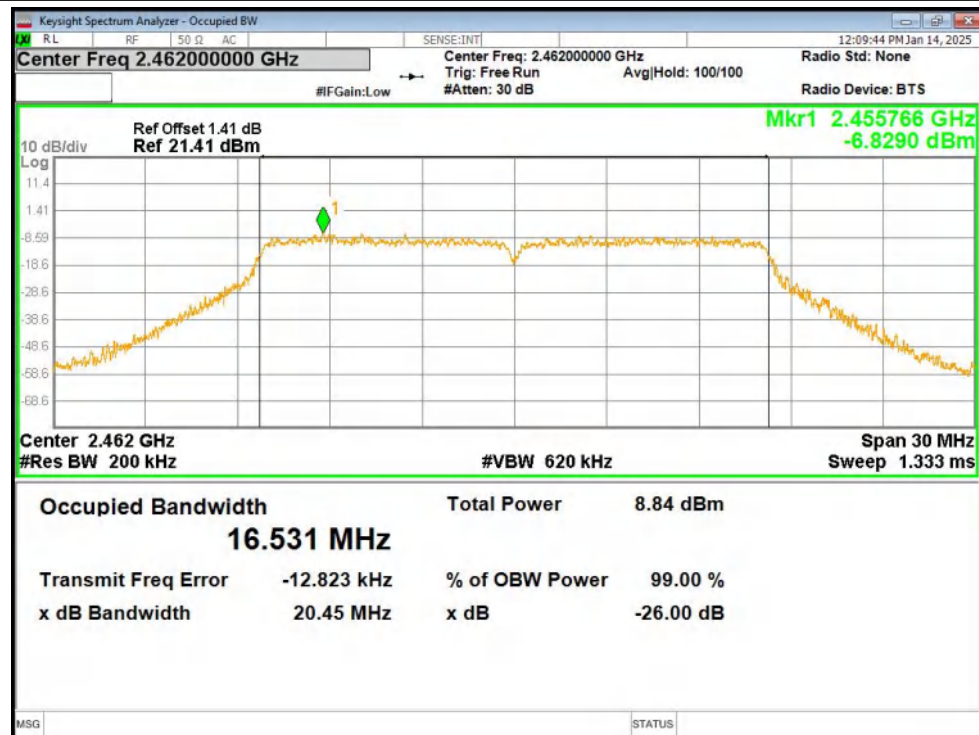
OBW NVNT g 2412MHz Ant1



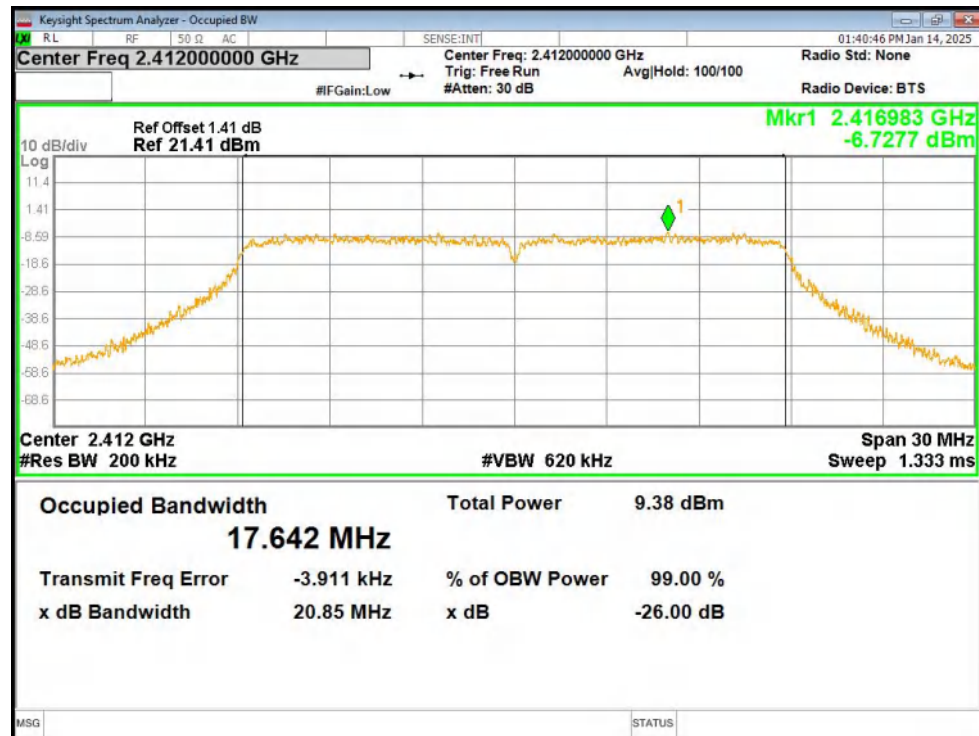
OBW NVNT g 2437MHz Ant1



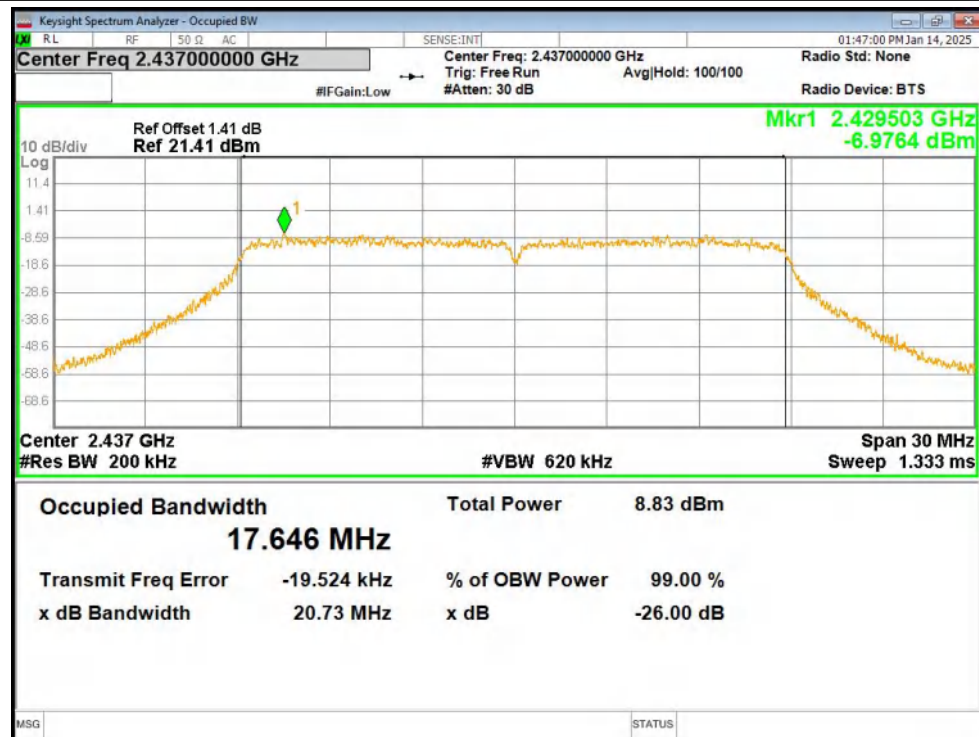
OBW NVNT g 2462MHz Ant1



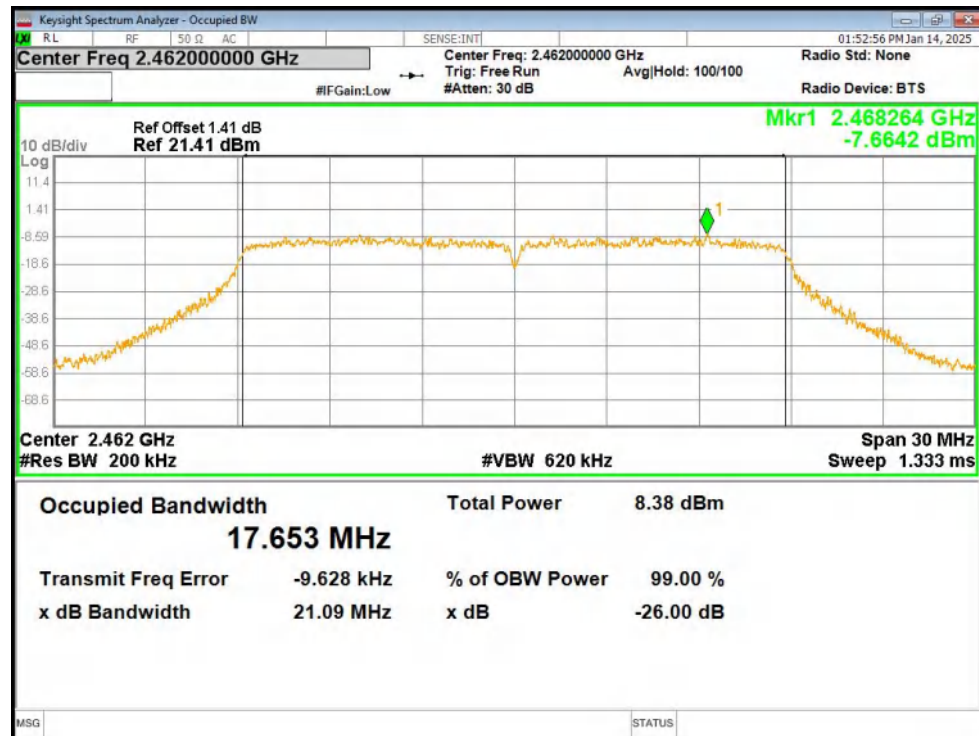
OBW NVNT n20 2412MHz Ant1



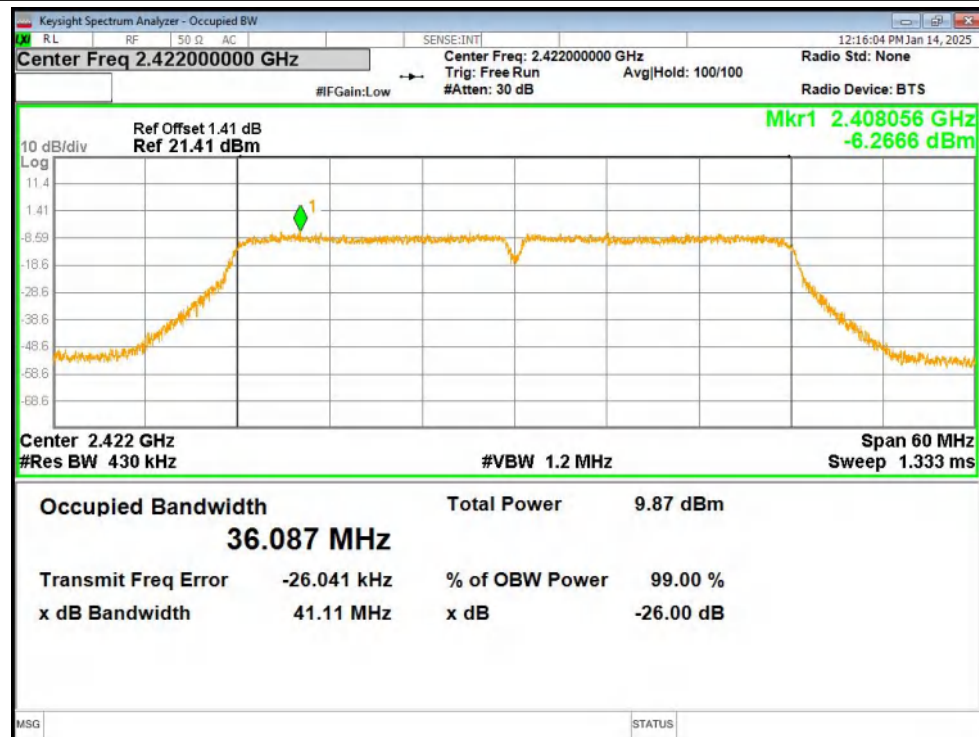
OBW NVNT n20 2437MHz Ant1



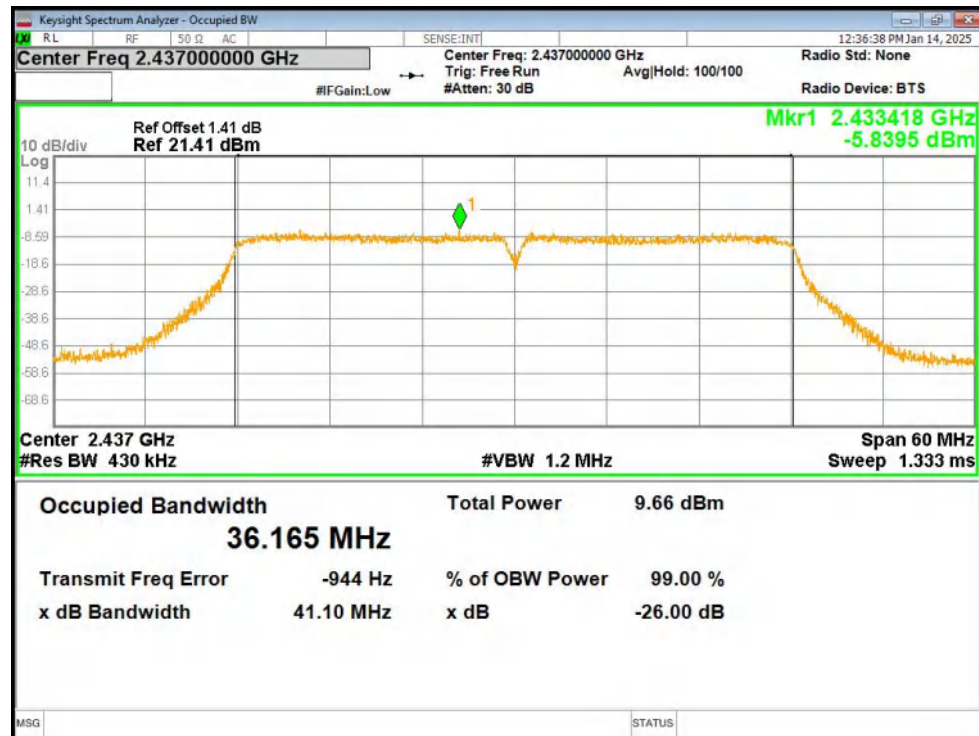
OBW NVNT n20 2462MHz Ant1



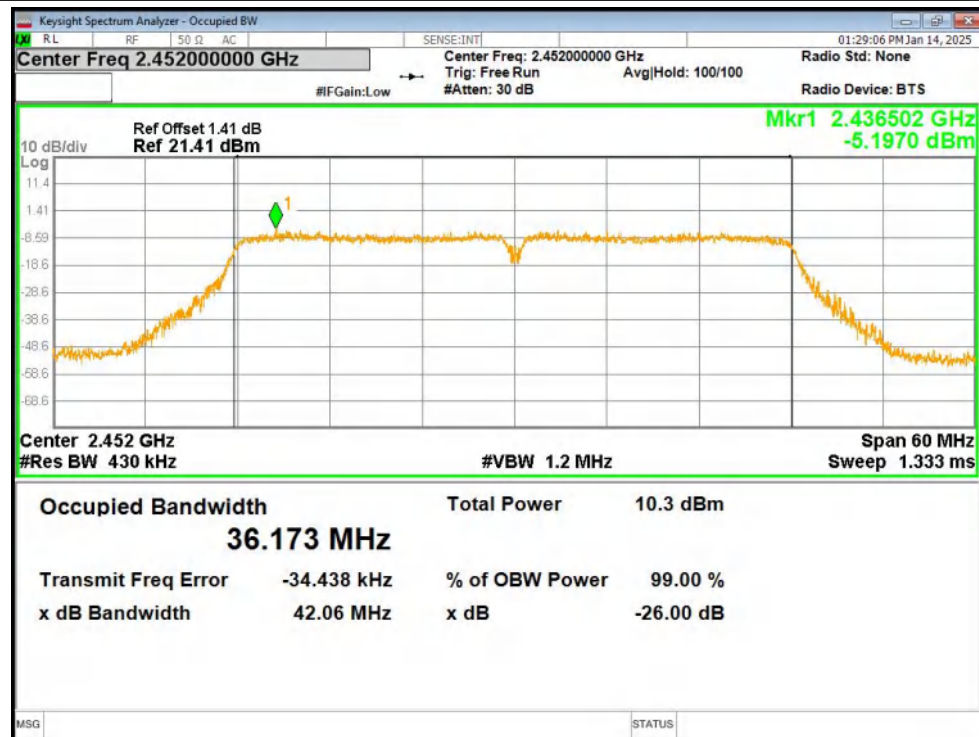
OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



OBW NVNT n40 2452MHz Ant1

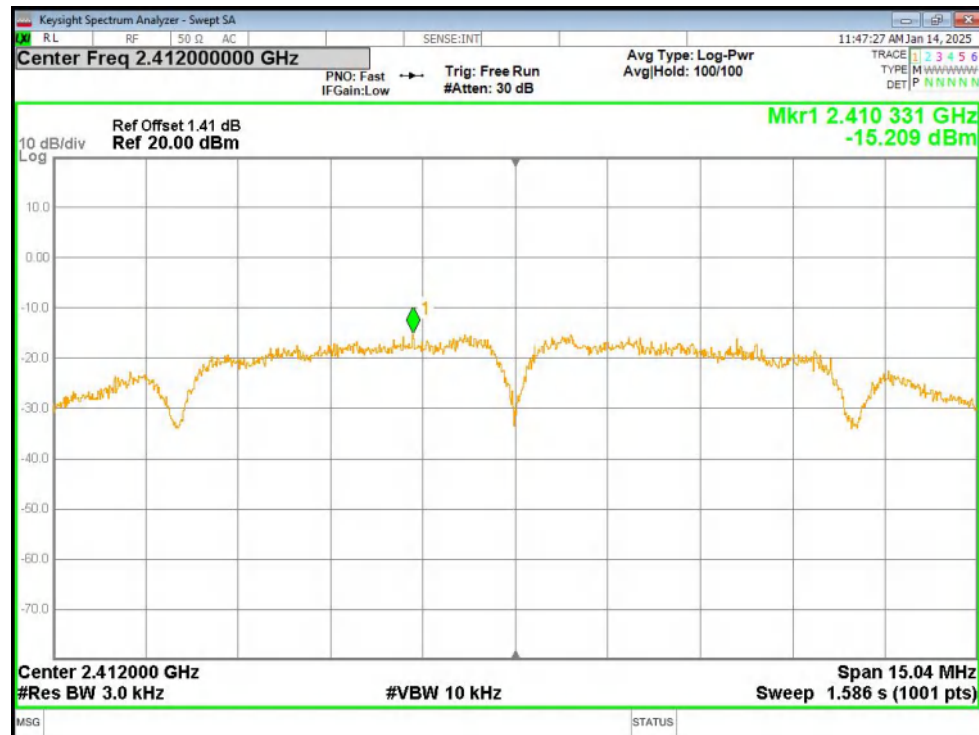


5. Maximum Power Spectral Density Level

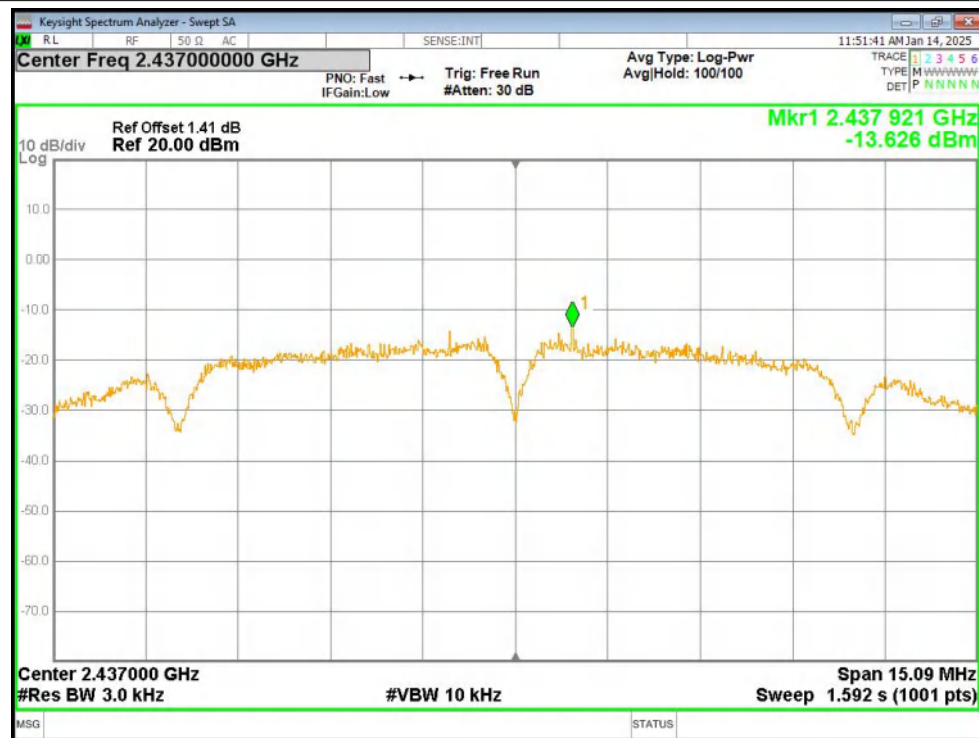
Mode	Frequency (MHz)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
b	2412	-15.21	8	Pass
b	2437	-13.63	8	Pass
b	2462	-15.92	8	Pass
g	2412	-20.88	8	Pass
g	2437	-20.83	8	Pass
g	2462	-21.58	8	Pass
n20	2412	-19.63	8	Pass
n20	2437	-20.61	8	Pass
n20	2462	-21.09	8	Pass
n40	2422	-23.38	8	Pass
n40	2437	-24.37	8	Pass
n40	2452	-23.58	8	Pass

Test Graphs

PSD NVNT b 2412MHz Ant1



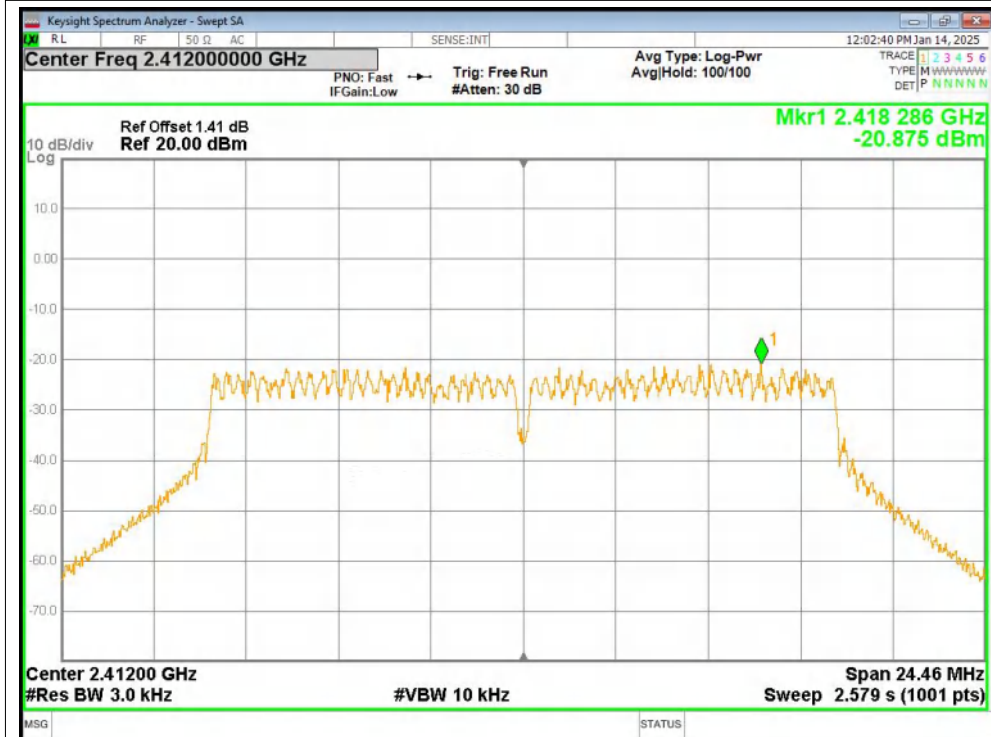
PSD NVNT b 2437MHz Ant1



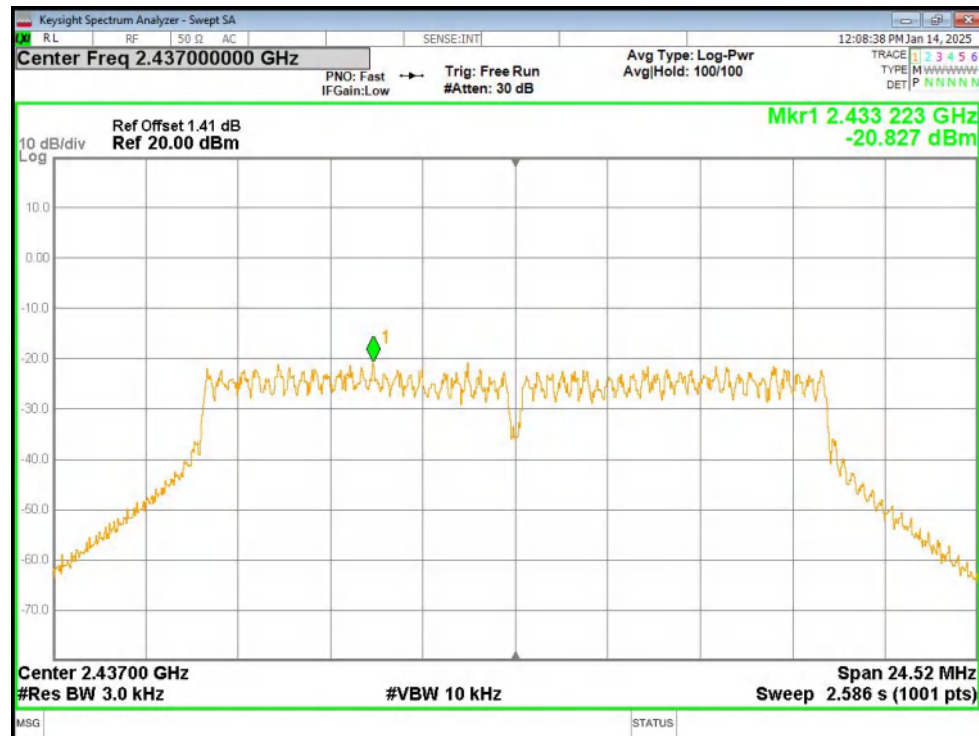
PSD NVNT b 2462MHz Ant1



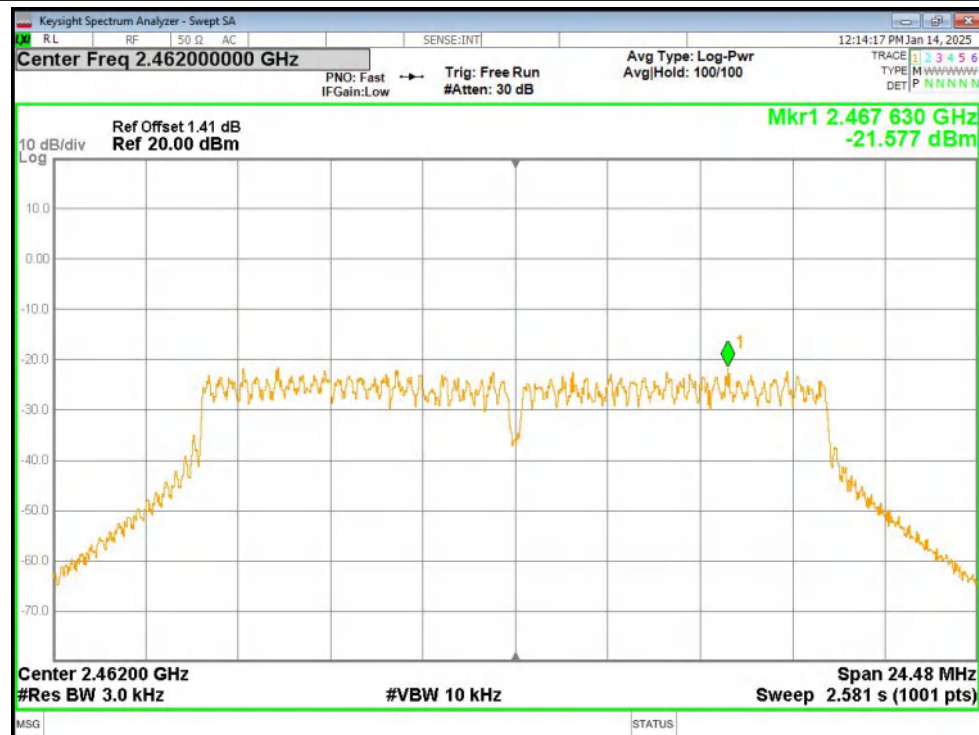
PSD NVNT g 2412MHz Ant1



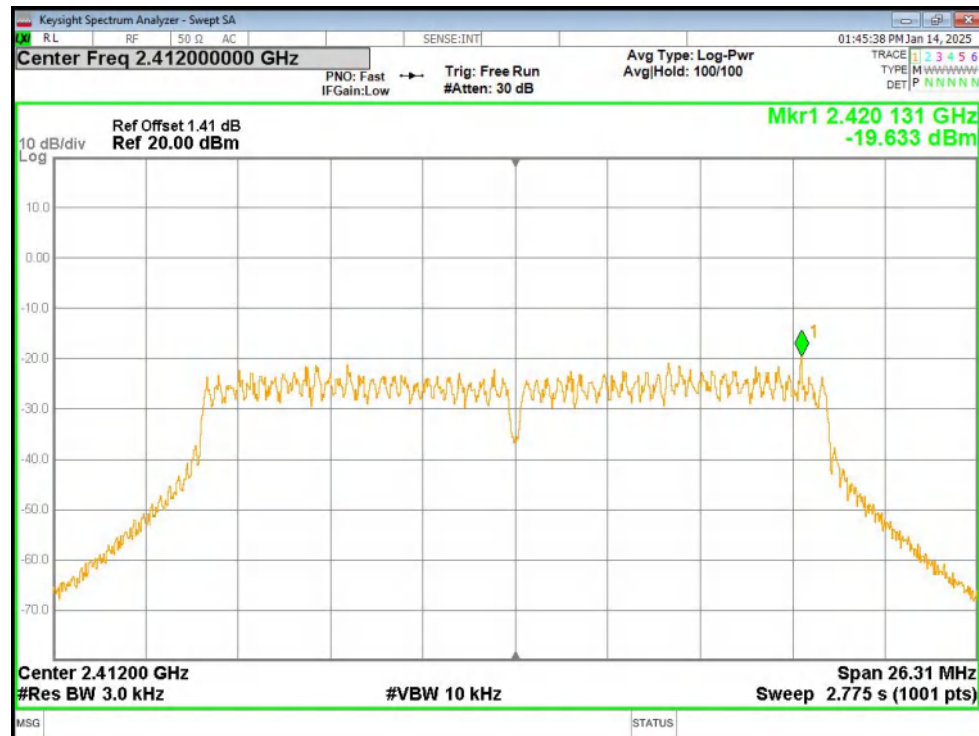
PSD NVNT g 2437MHz Ant1



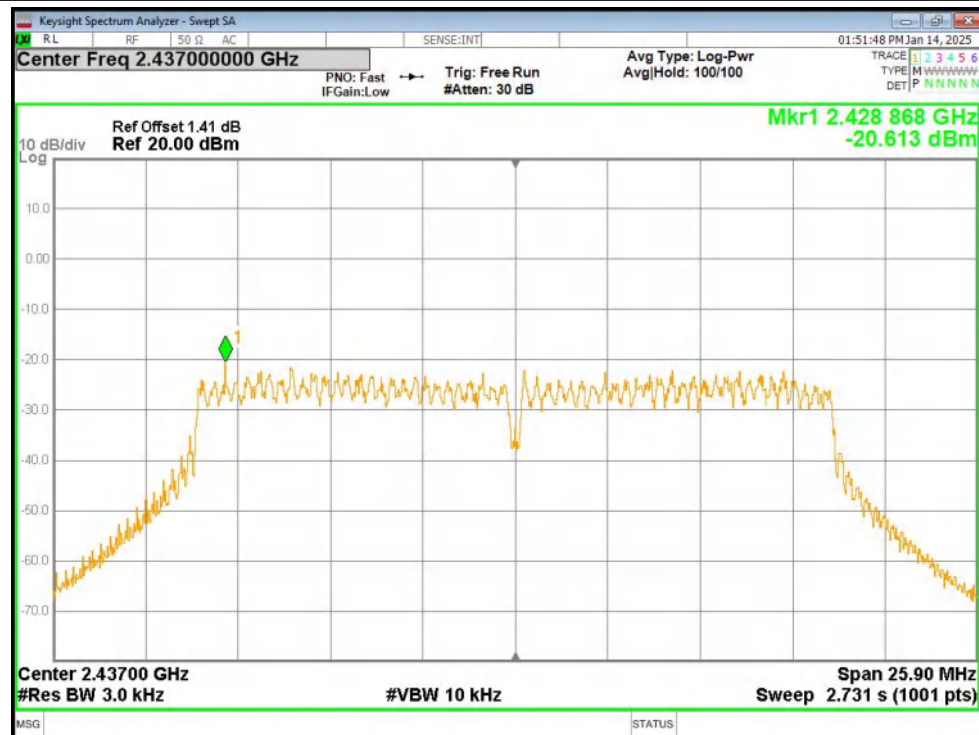
PSD NVNT g 2462MHz Ant1



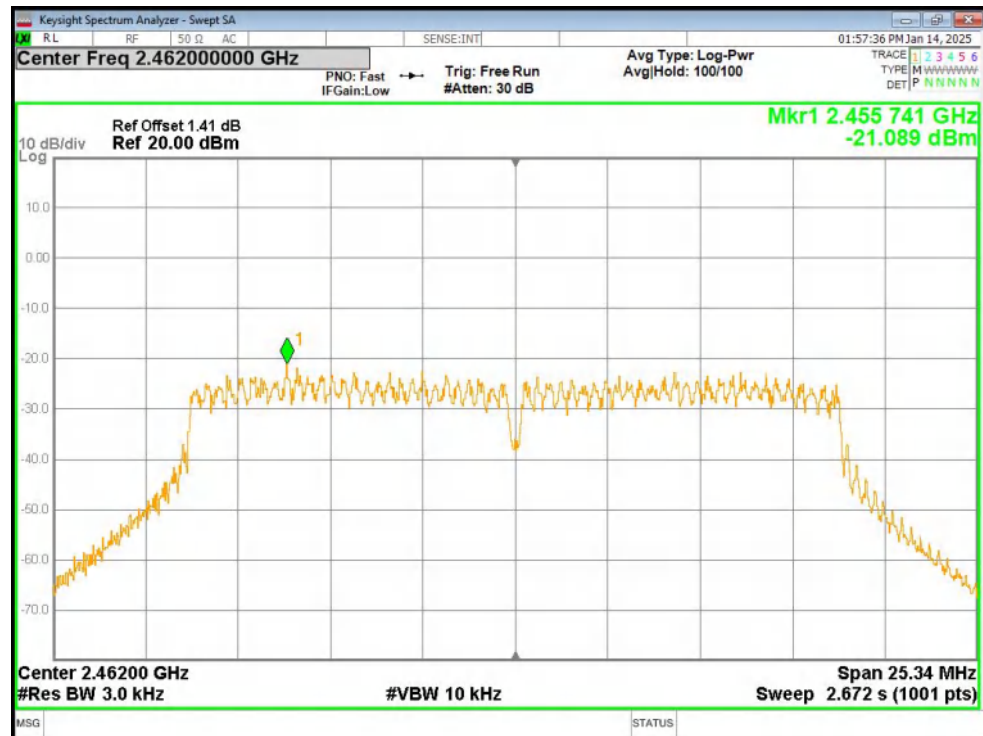
PSD NVNT n20 2412MHz Ant1



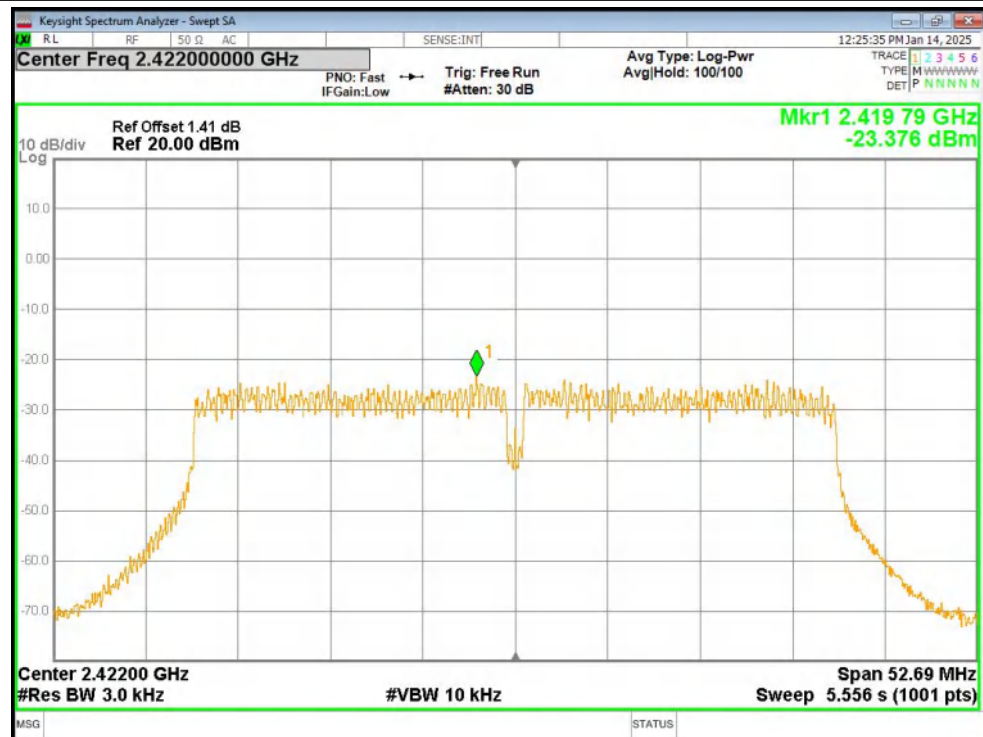
PSD NVNT n20 2437MHz Ant1



PSD NVNT n20 2462MHz Ant1



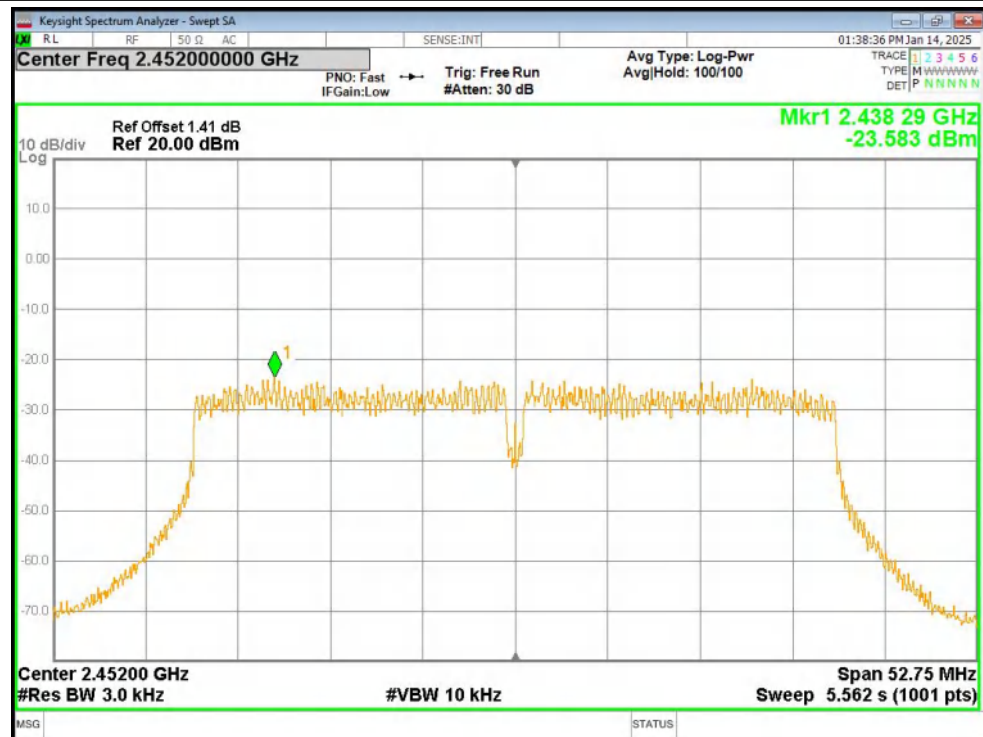
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz Ant1

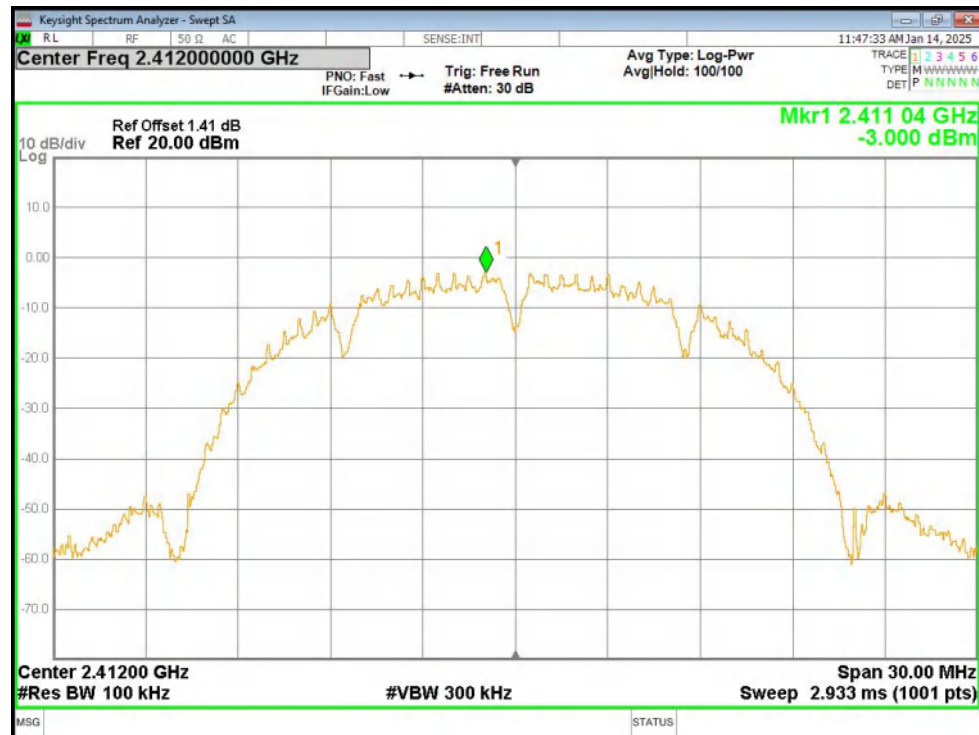


6.Band Edge

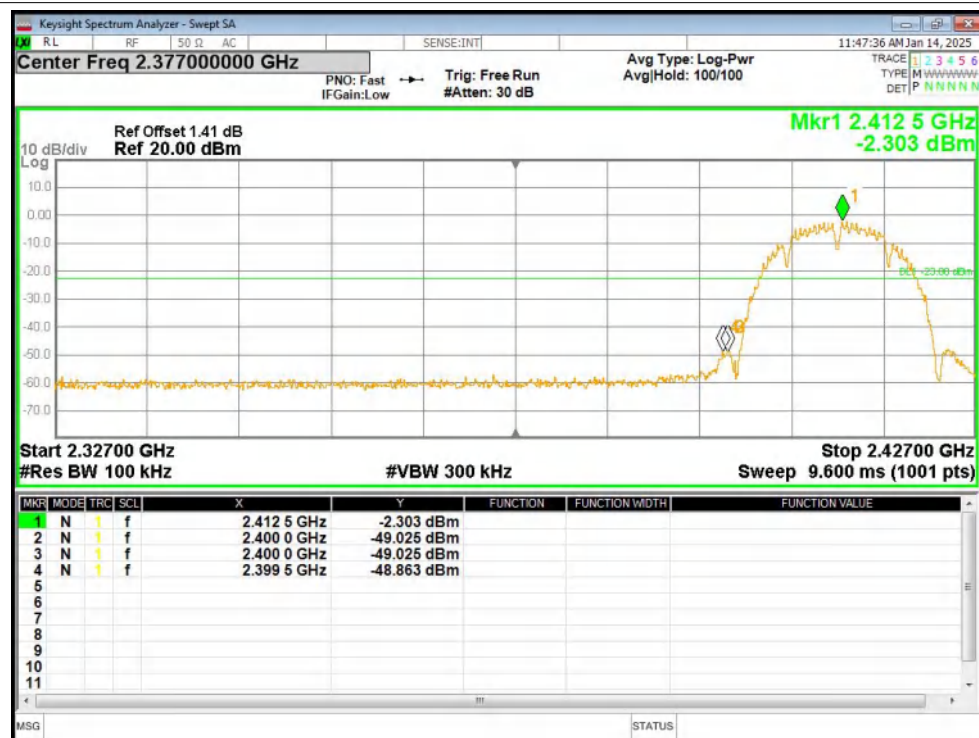
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	-45.86	-20	Pass
b	2462	-54.1	-20	Pass
g	2412	-38.66	-20	Pass
g	2462	-50.23	-20	Pass
n20	2412	-38.6	-20	Pass
n20	2462	-50.21	-20	Pass
n40	2422	-37.49	-20	Pass
n40	2452	-45.73	-20	Pass

Test Graphs

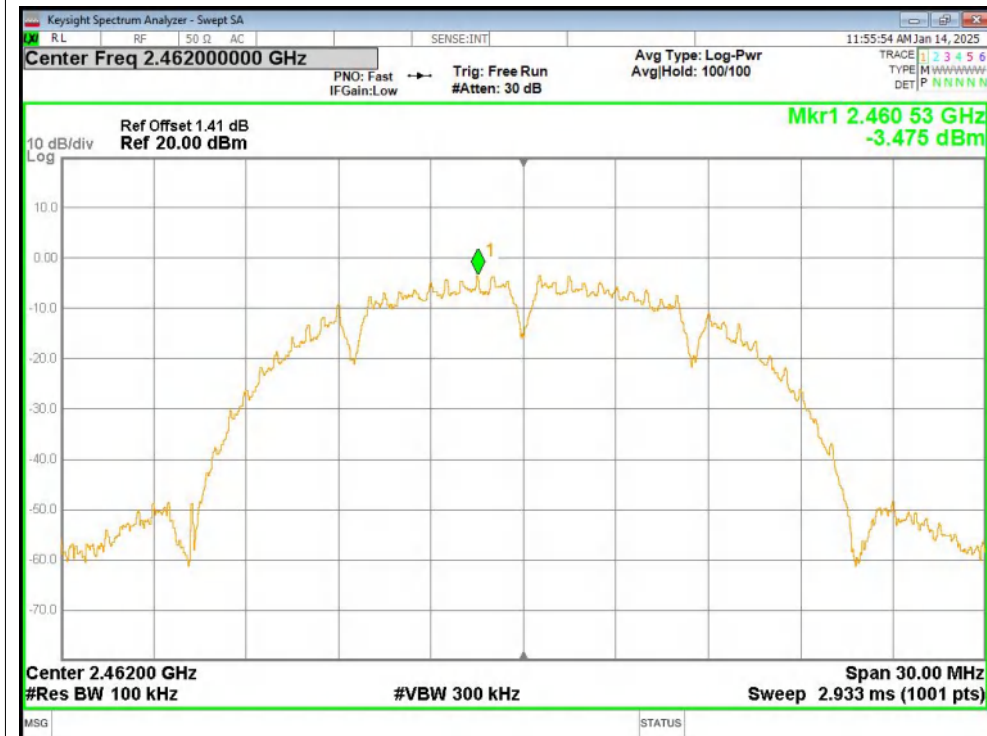
Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



Band Edge NVNT b 2462MHz Ant1 Ref



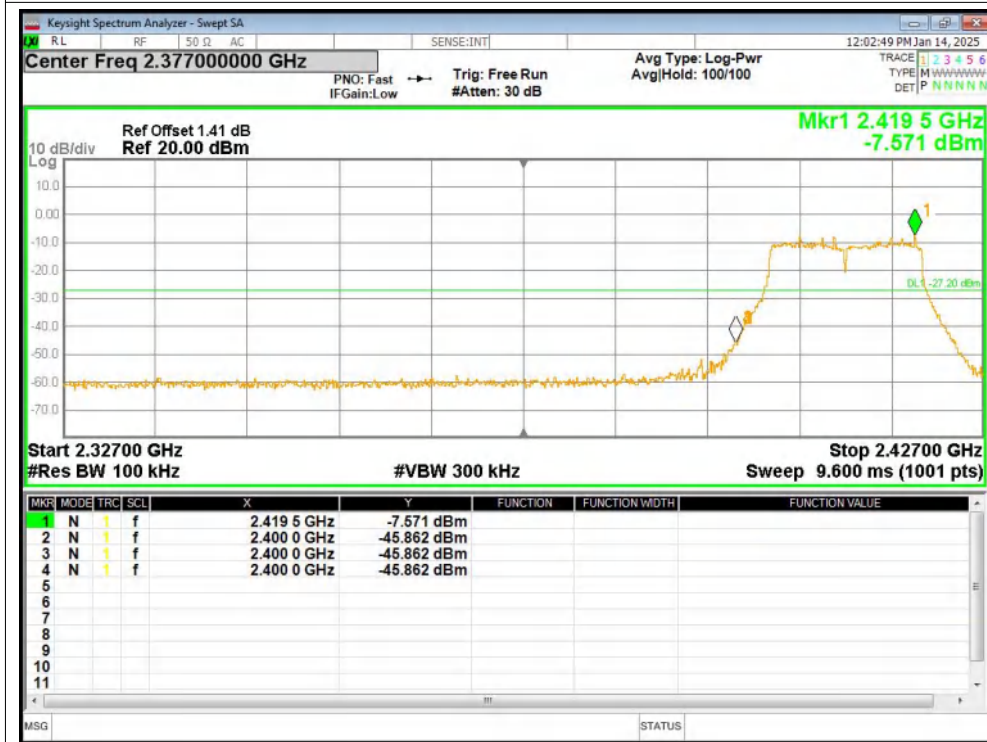
Band Edge NVNT b 2462MHz Ant1 Emission



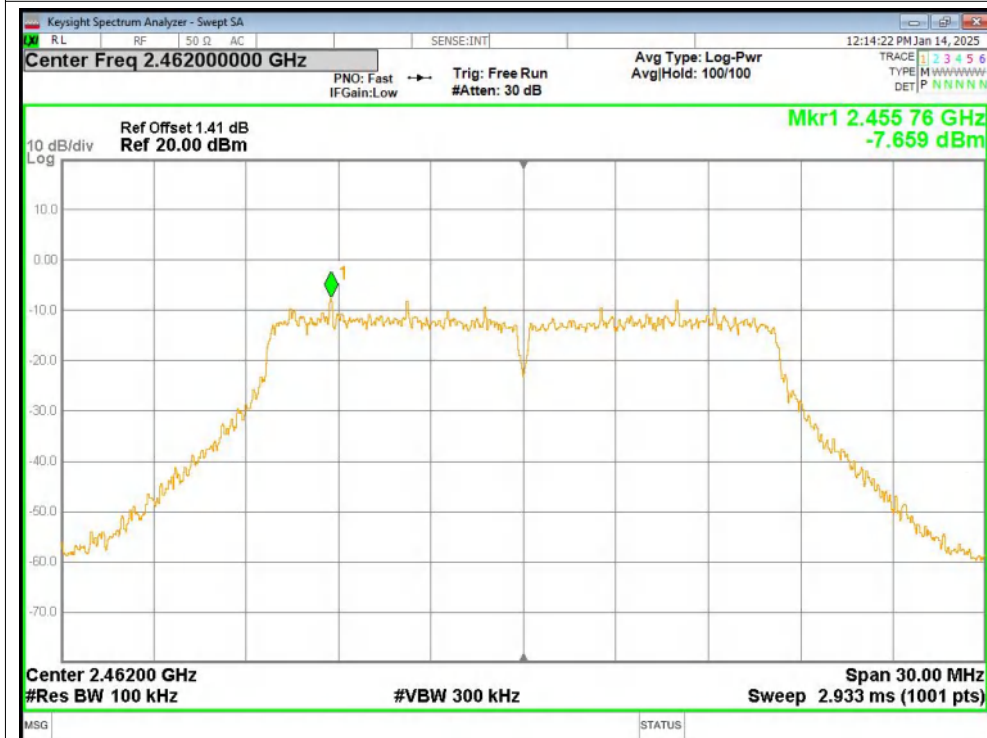
Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission



Band Edge NVNT g 2462MHz Ant1 Ref



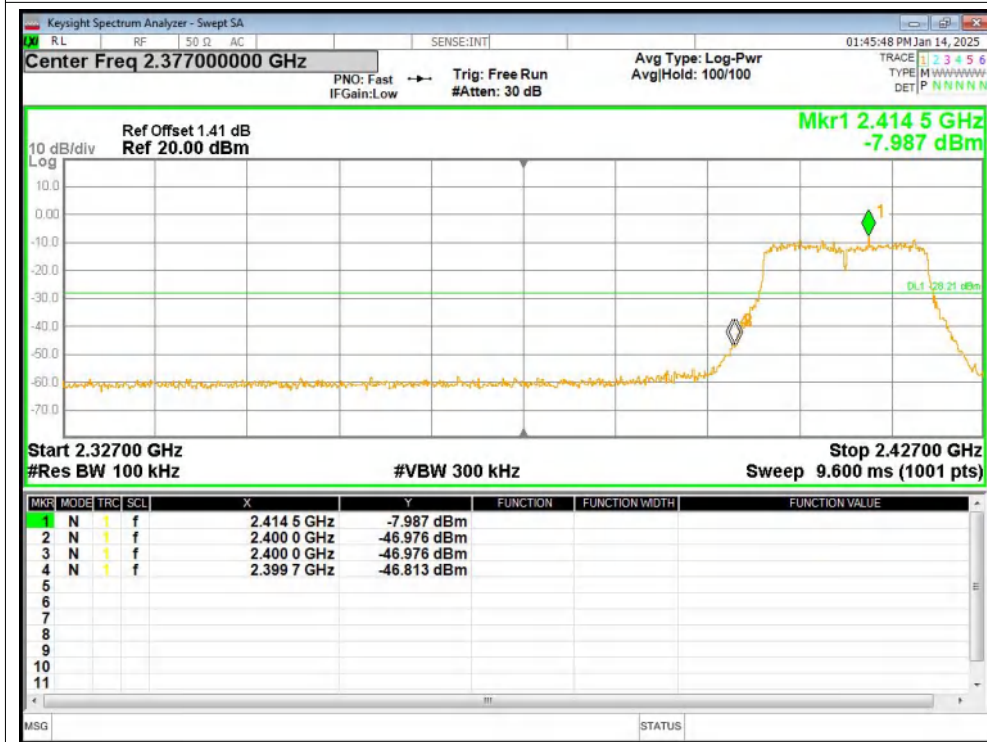
Band Edge NVNT g 2462MHz Ant1 Emission



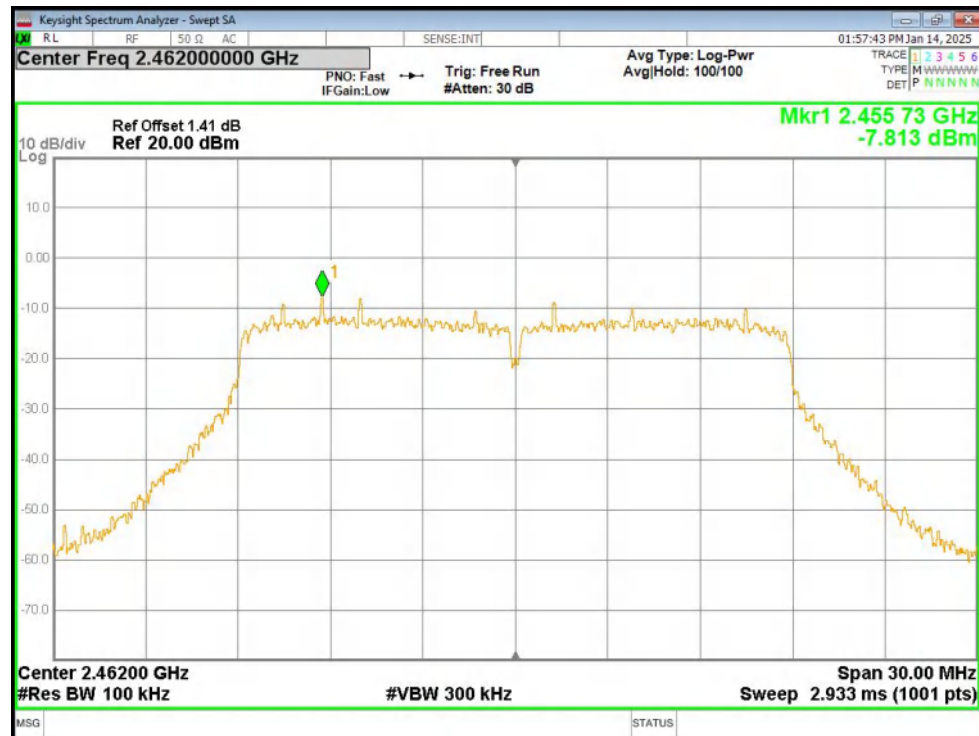
Band Edge NVNT n20 2412MHz Ant1 Ref



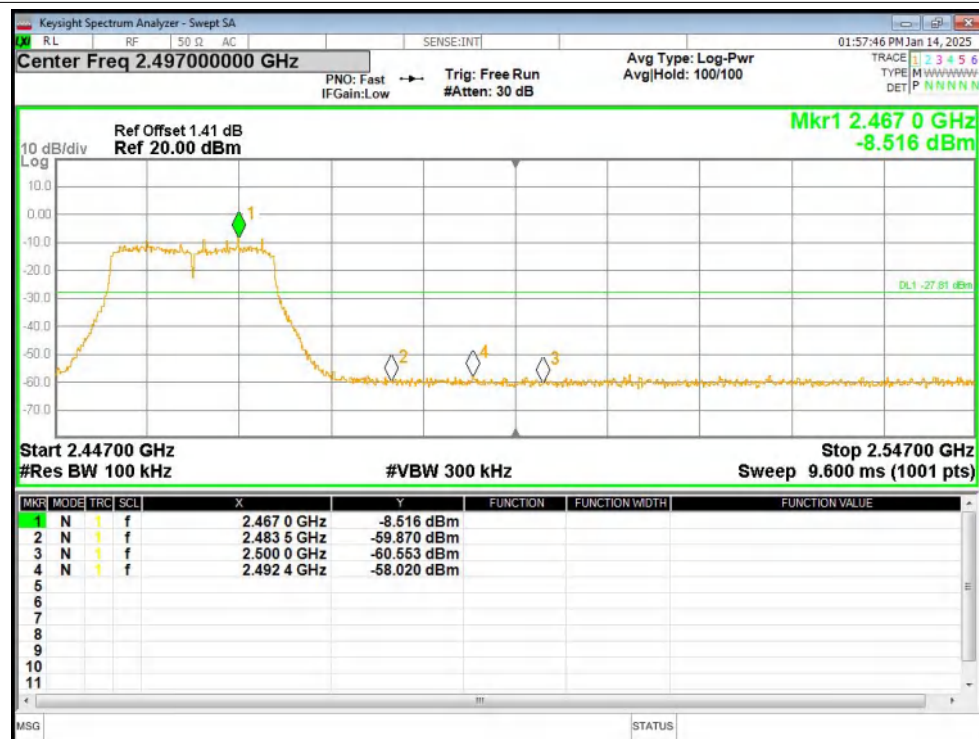
Band Edge NVNT n20 2412MHz Ant1 Emission



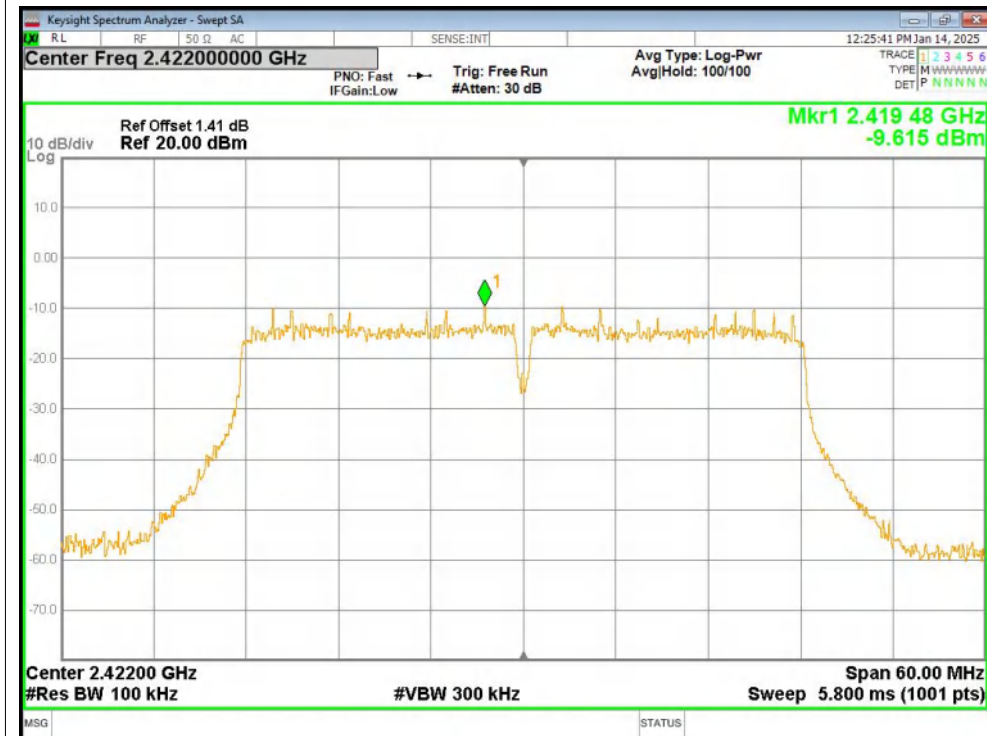
Band Edge NVNT n20 2462MHz Ant1 Ref



Band Edge NVNT n20 2462MHz Ant1 Emission



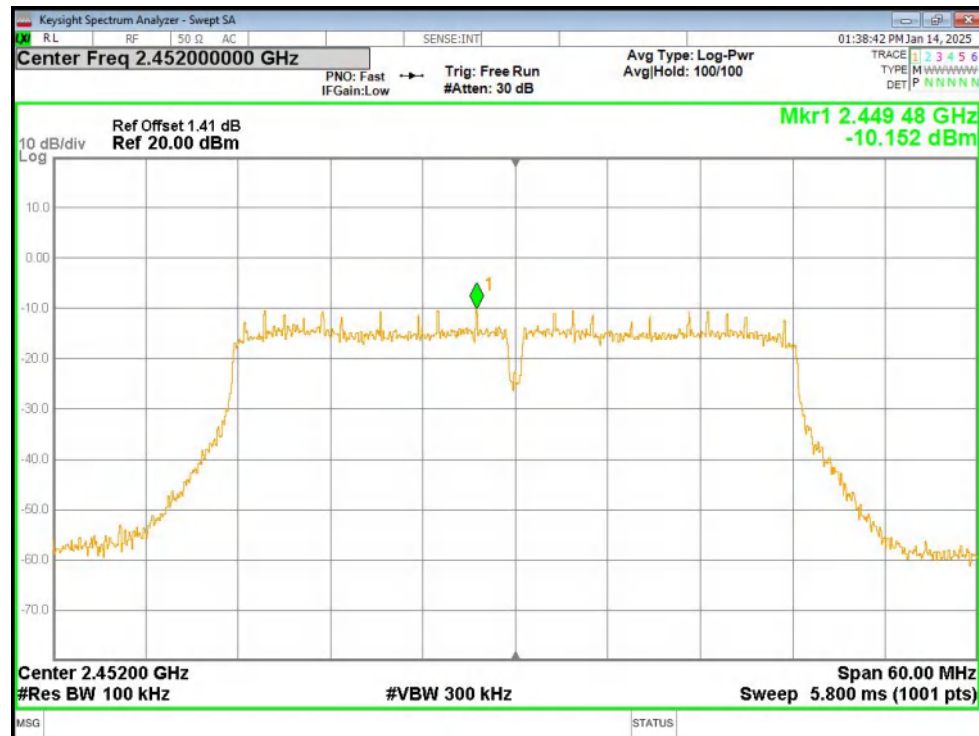
Band Edge NVNT n40 2422MHz Ant1 Ref



Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



Band Edge NVNT n40 2452MHz Ant1 Emission



7. Conducted RF Spurious Emission

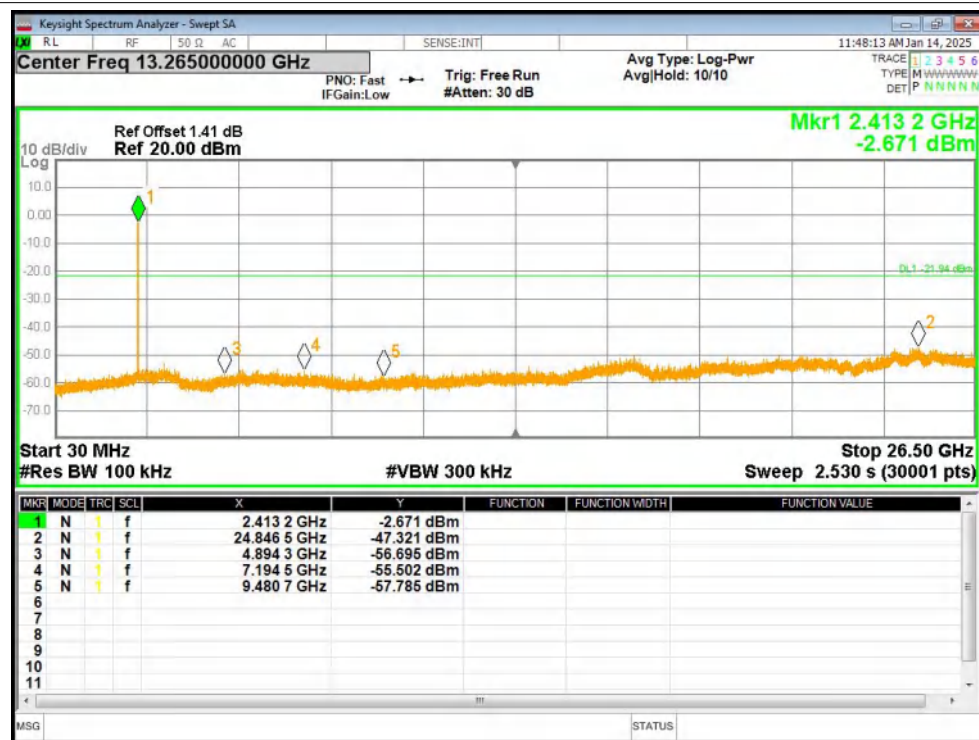
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	-45.38	-20	Pass
b	2437	-44.13	-20	Pass
b	2462	-43.77	-20	Pass
g	2412	-39.54	-20	Pass
g	2437	-39.48	-20	Pass
g	2462	-39.29	-20	Pass
n20	2412	-40.07	-20	Pass
n20	2437	-39.43	-20	Pass
n20	2462	-39.13	-20	Pass
n40	2422	-37.91	-20	Pass
n40	2437	-37.88	-20	Pass
n40	2452	-37.64	-20	Pass

Test Graphs

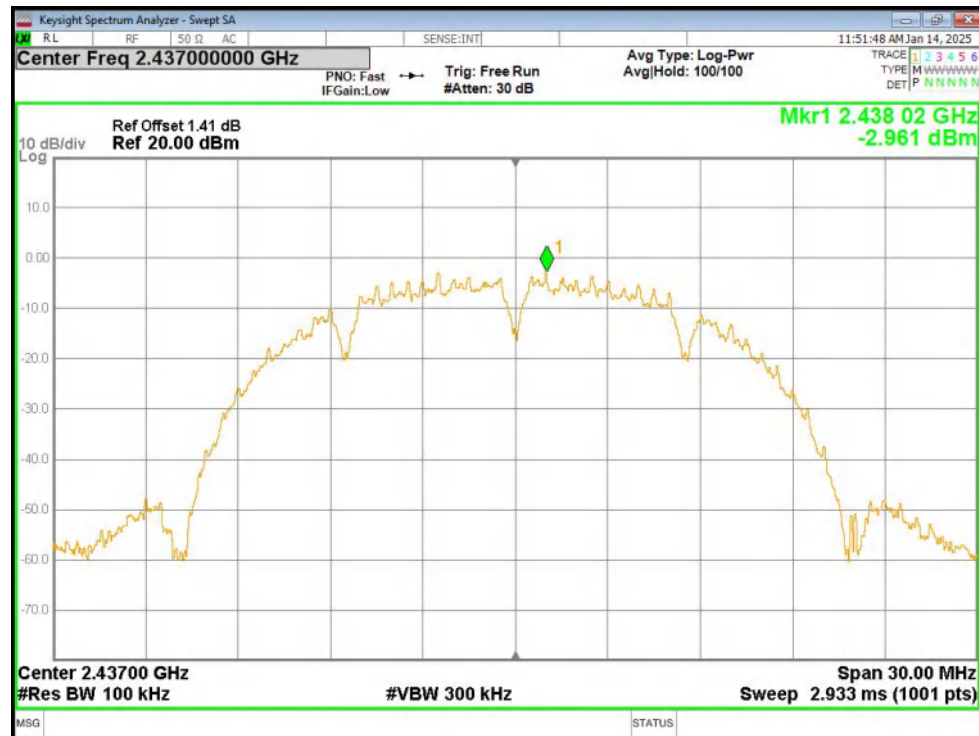
Tx. Spurious NVNT b 2412MHz Ant1 Ref



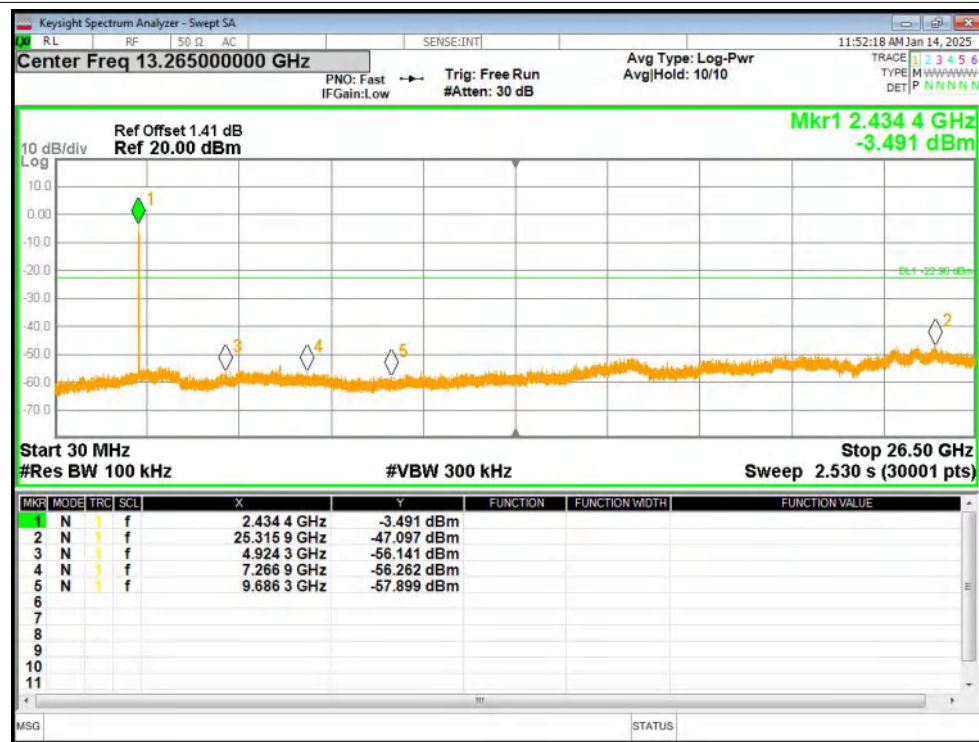
Tx. Spurious NVNT b 2412MHz Ant1 Emission



Tx. Spurious NVNT b 2437MHz Ant1 Ref



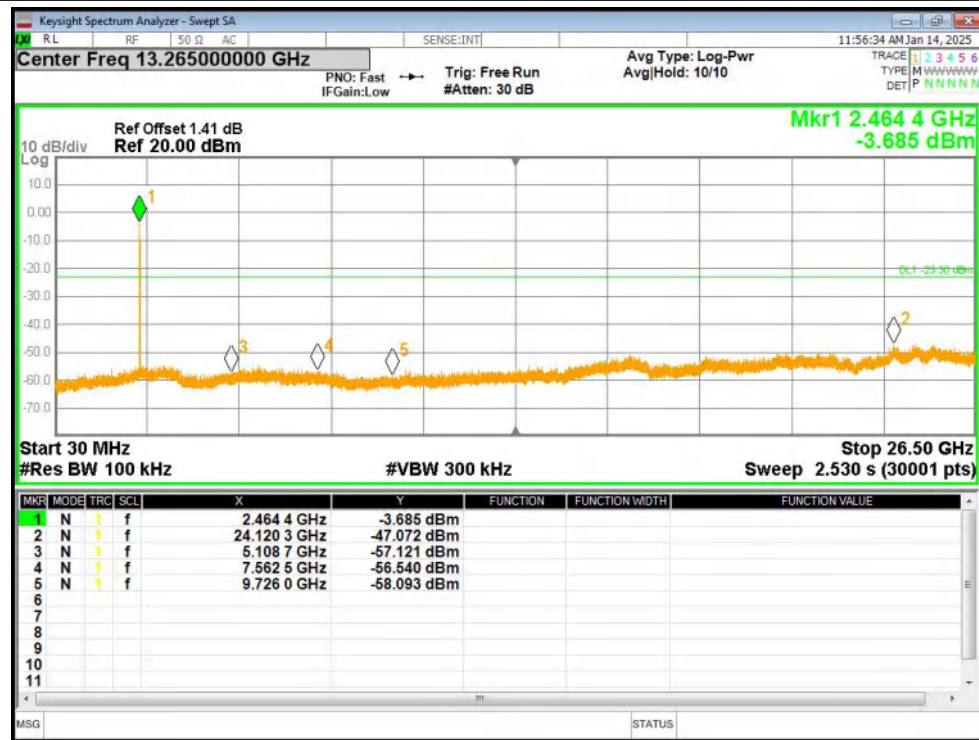
Tx. Spurious NVNT b 2437MHz Ant1 Emission



Tx. Spurious NVNT b 2462MHz Ant1 Ref



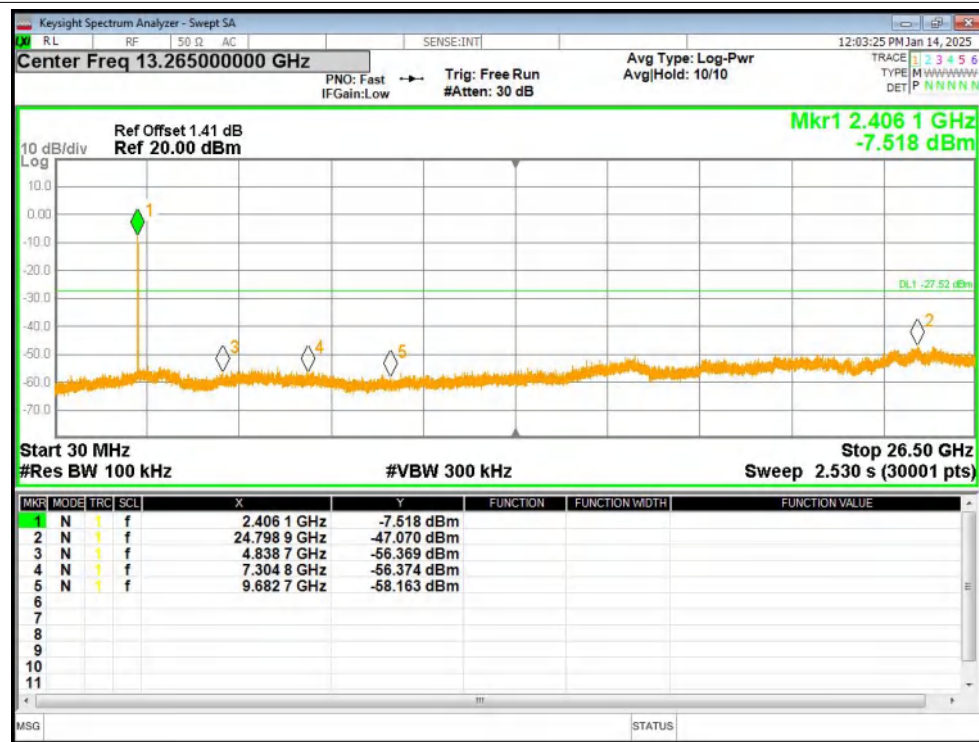
Tx. Spurious NVNT b 2462MHz Ant1 Emission



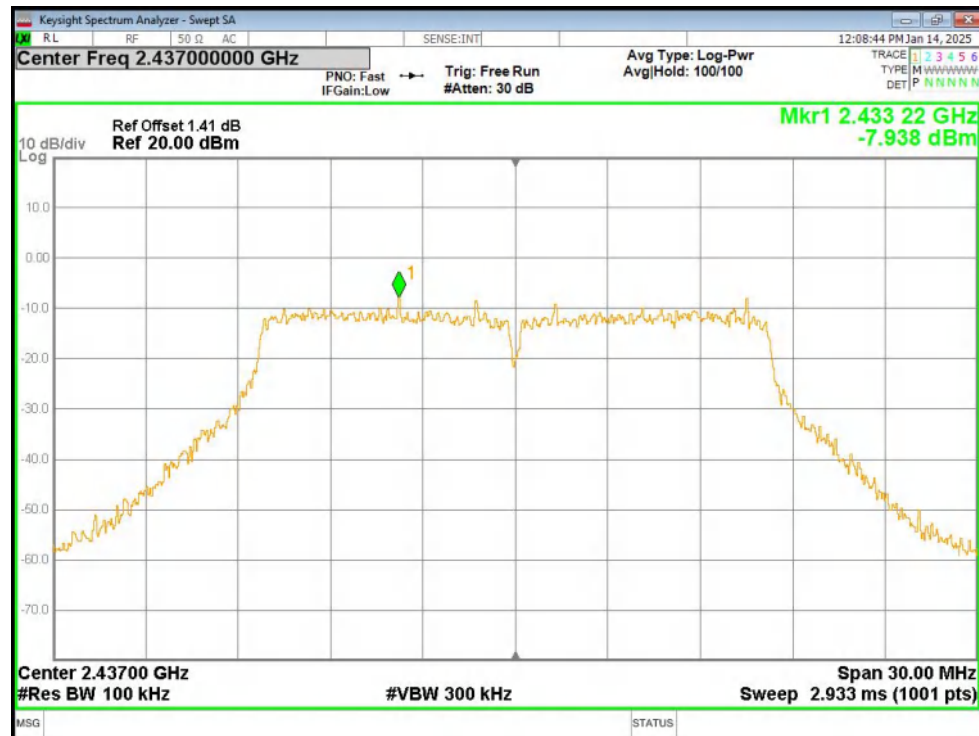
Tx. Spurious NVNT g 2412MHz Ant1 Ref



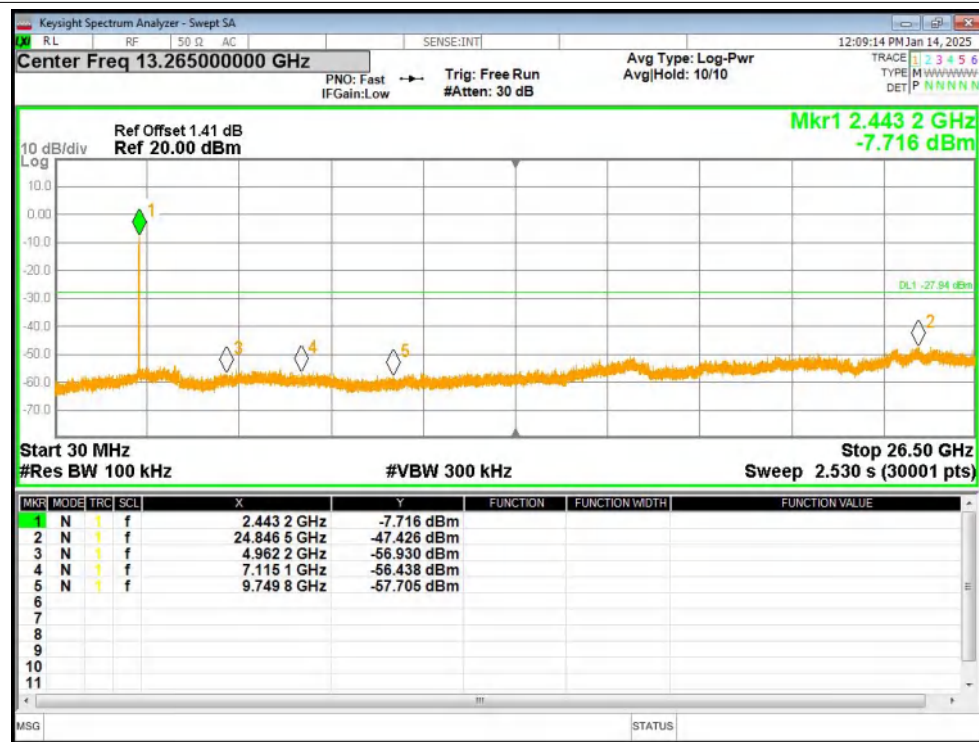
Tx. Spurious NVNT g 2412MHz Ant1 Emission



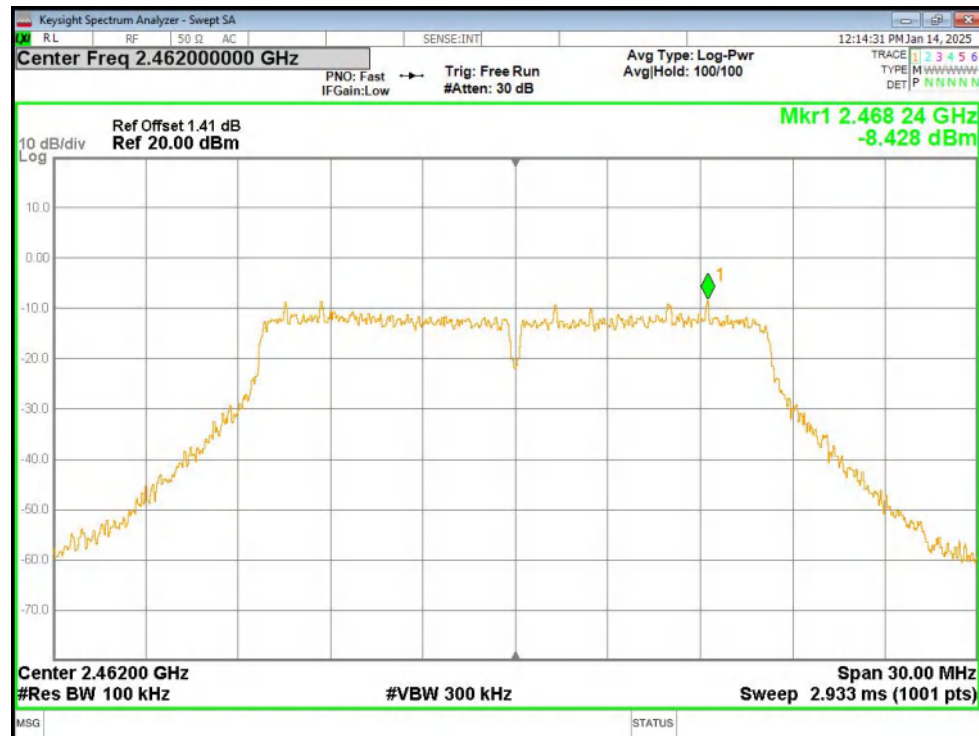
Tx. Spurious NVNT g 2437MHz Ant1 Ref



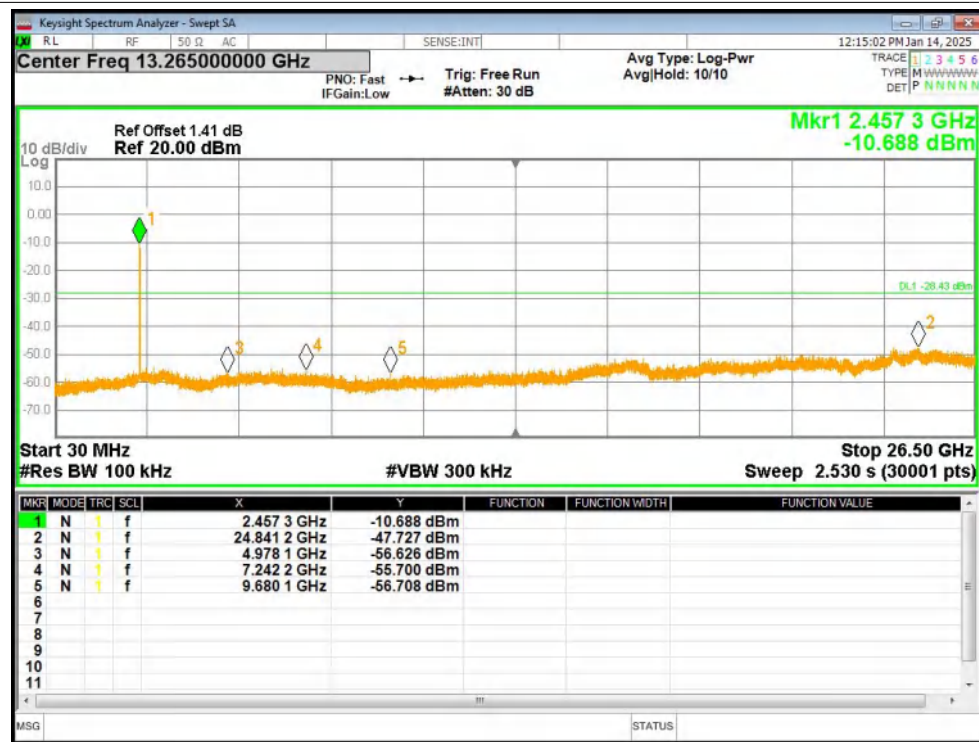
Tx. Spurious NVNT g 2437MHz Ant1 Emission



Tx. Spurious NVNT g 2462MHz Ant1 Ref



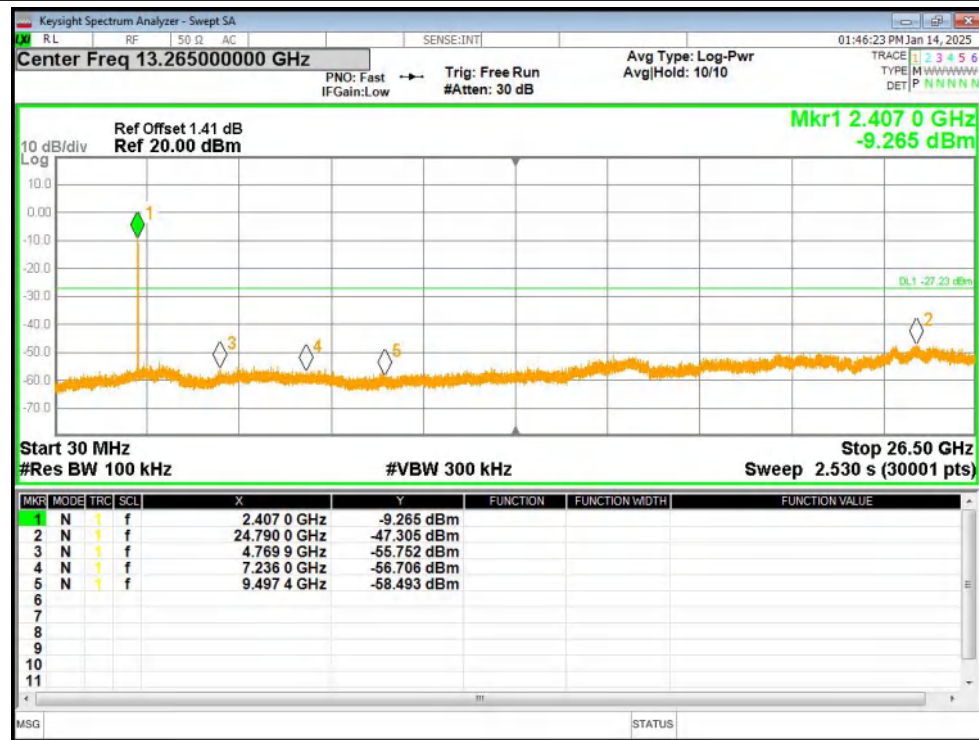
Tx. Spurious NVNT g 2462MHz Ant1 Emission



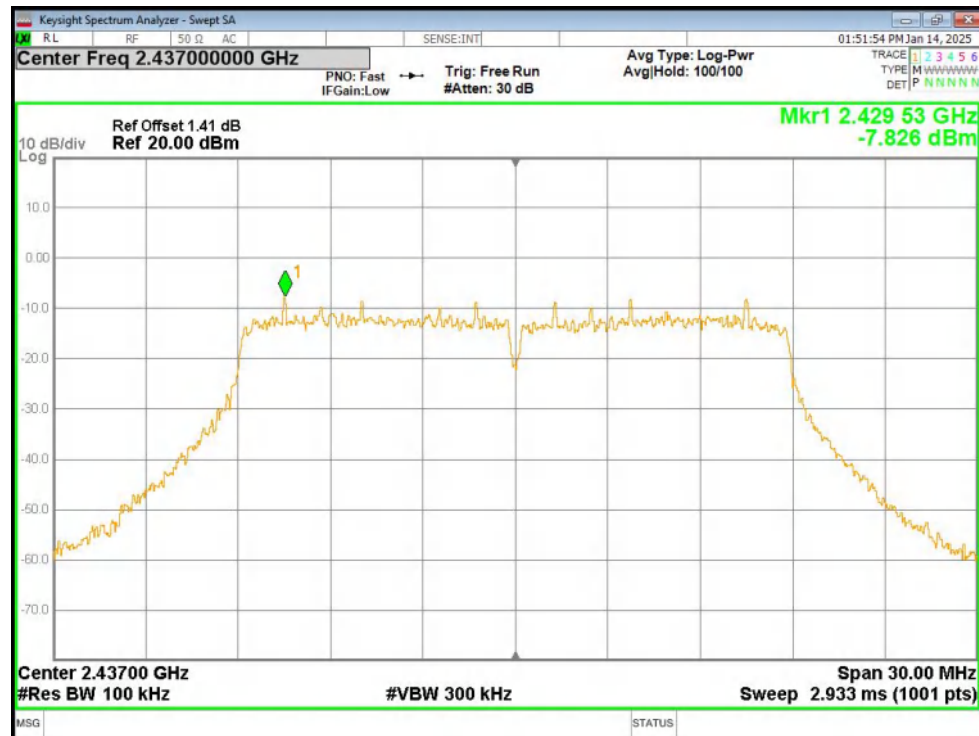
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



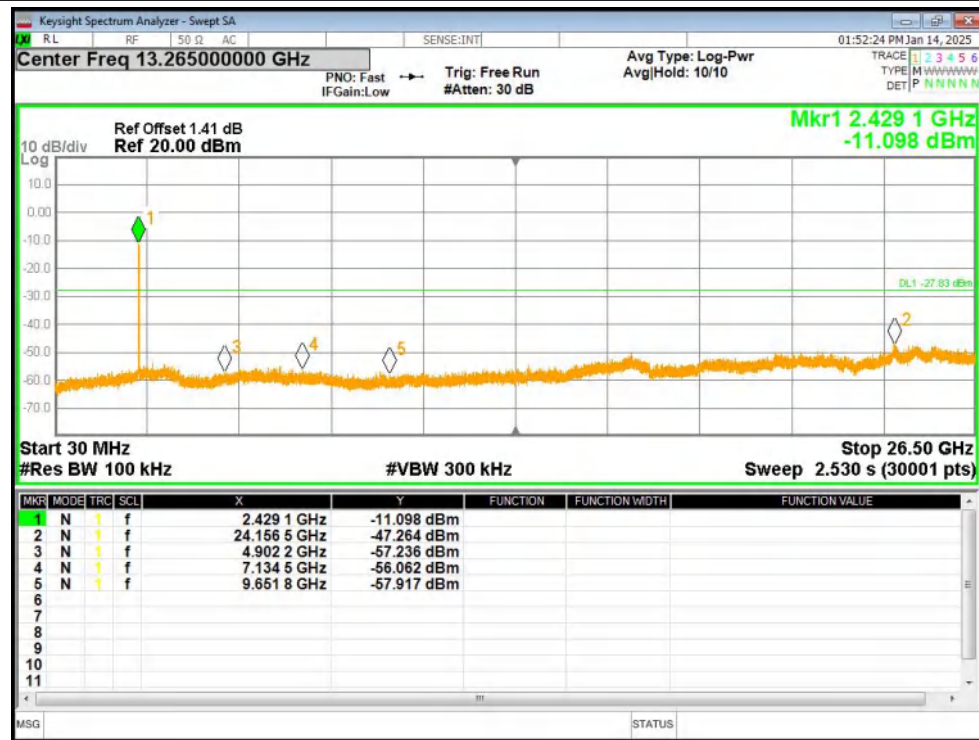
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



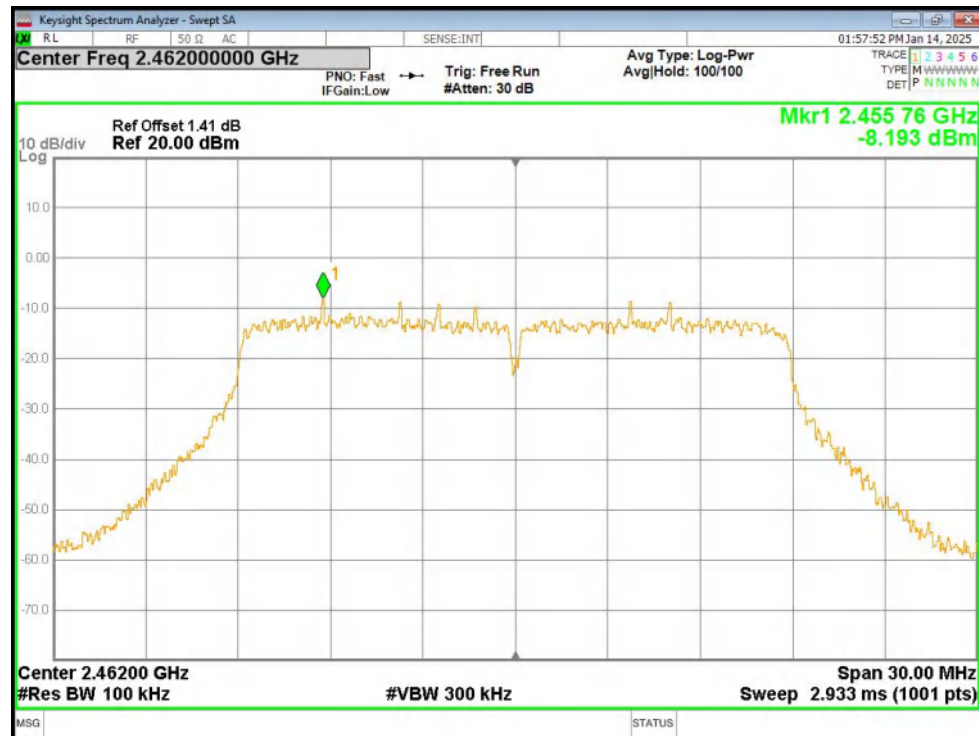
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



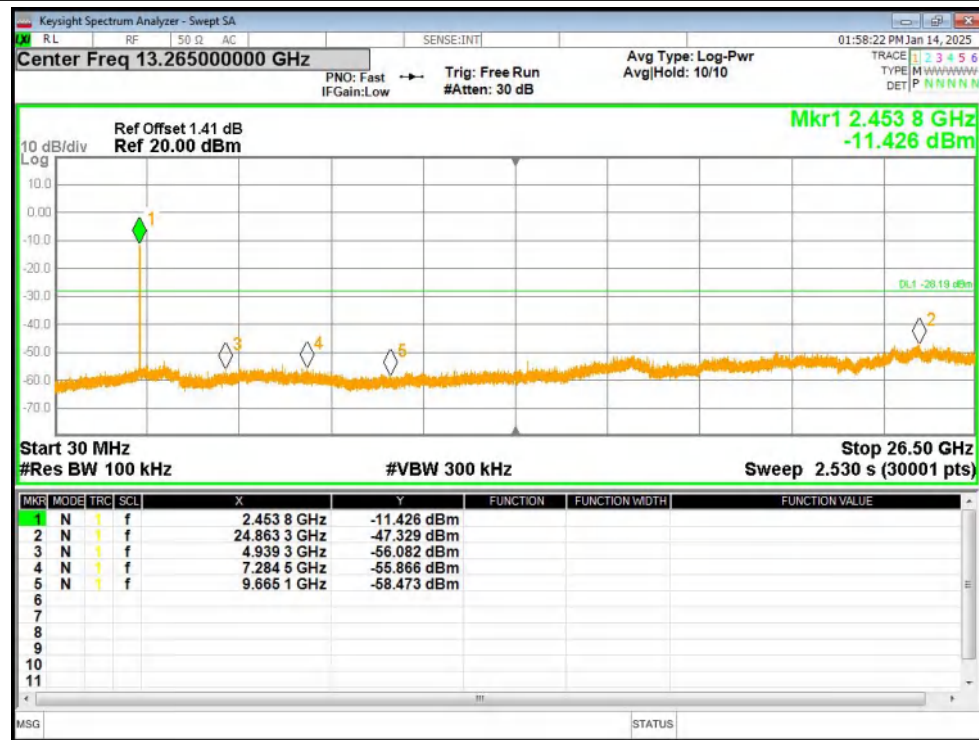
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



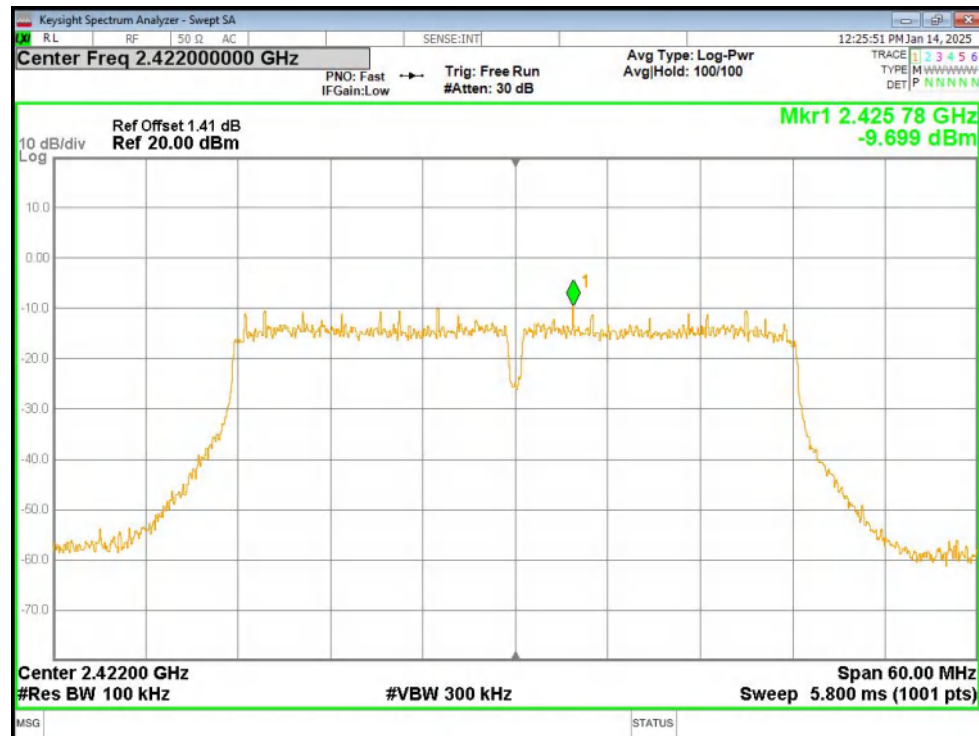
Tx. Spurious NVNT n20 2462MHz Ant1 Ref



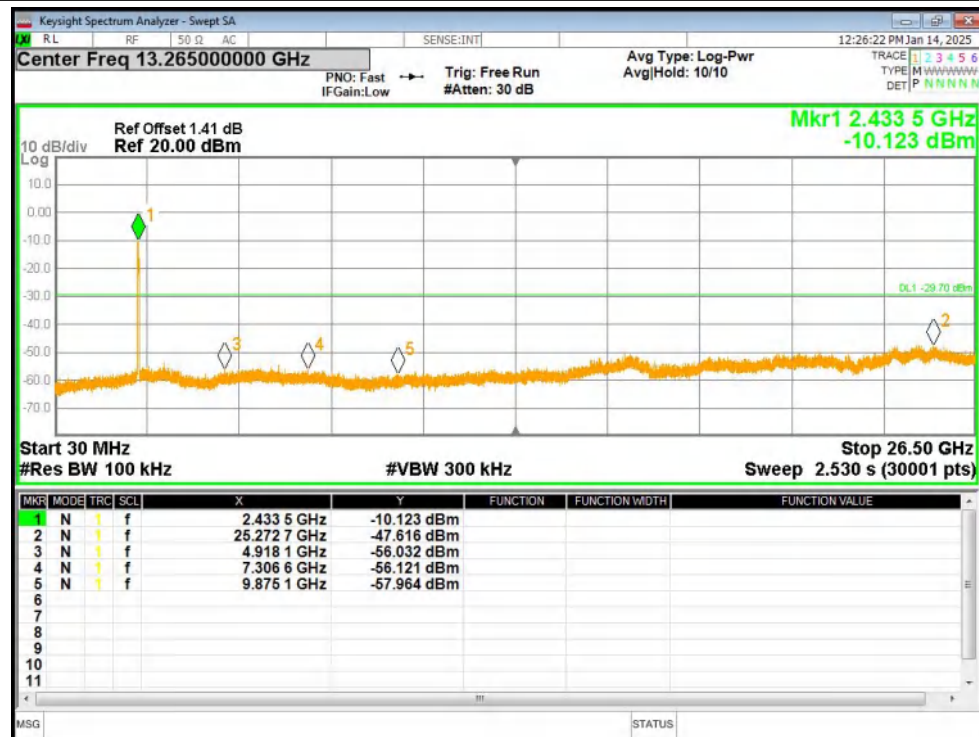
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



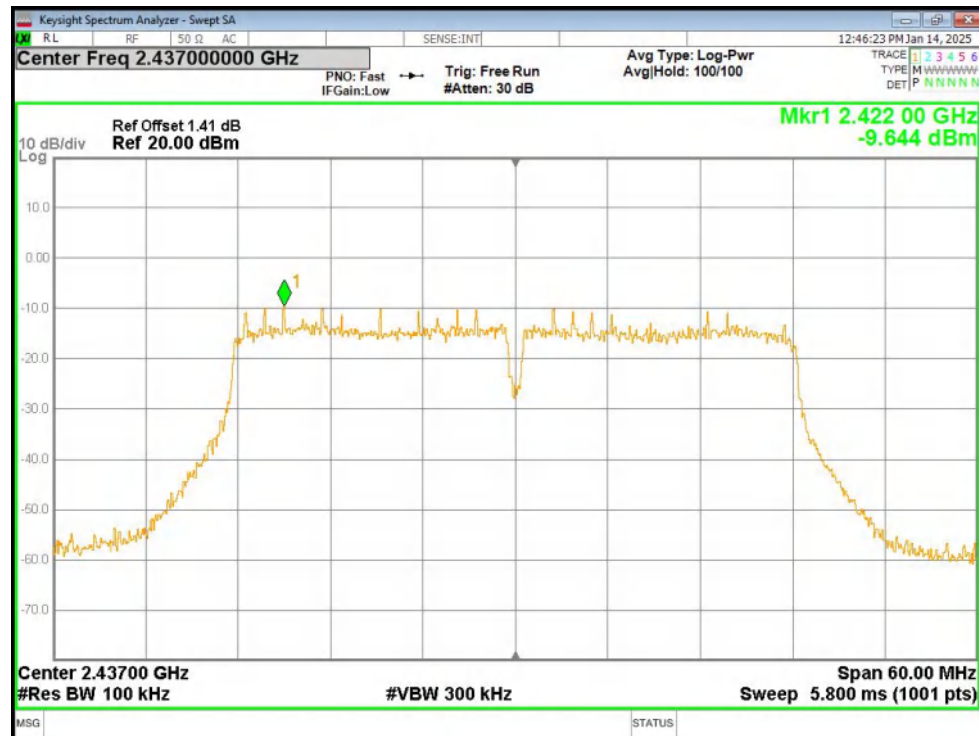
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



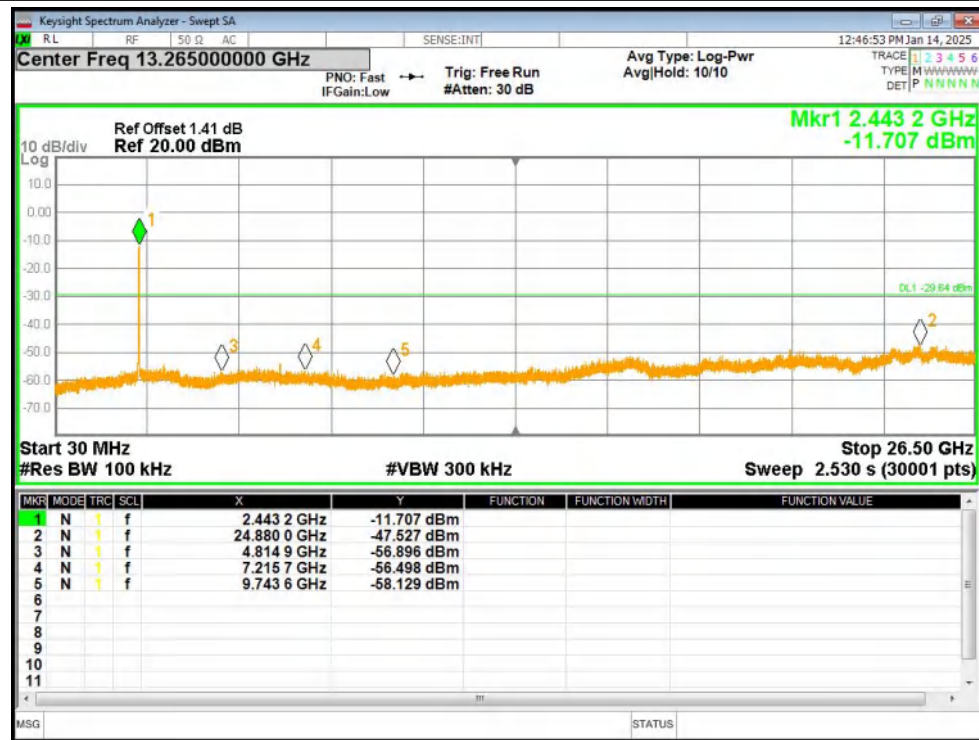
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



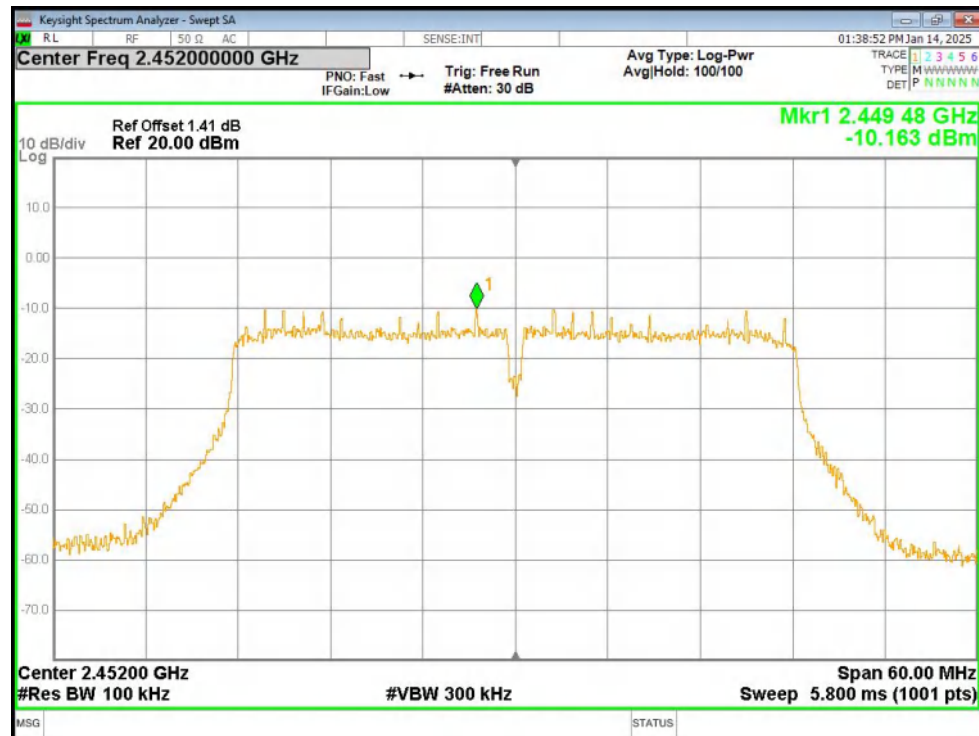
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission

