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FCC ID 2.4GWIFI

FCC_2.4GWIFI(Part15.247) Test Data

1.Maximum Peak Conducted Output Power

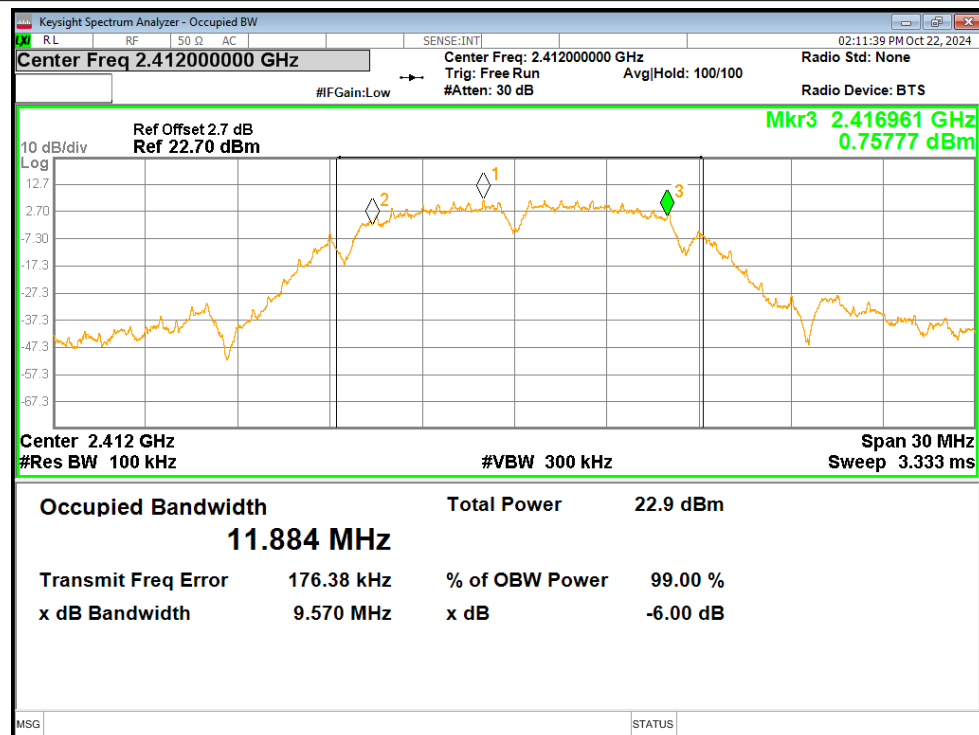
Mode	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
b	2412	18.05	30	Pass
b	2437	17.25	30	Pass
b	2462	18.44	30	Pass
g	2412	22.09	30	Pass
g	2437	20.71	30	Pass
g	2462	22.21	30	Pass
n20	2412	22.02	30	Pass
n20	2437	20.69	30	Pass
n20	2462	22.24	30	Pass
n40	2422	20.69	30	Pass
n40	2437	20.57	30	Pass
n40	2452	22.12	30	Pass

2.-6dB Bandwidth

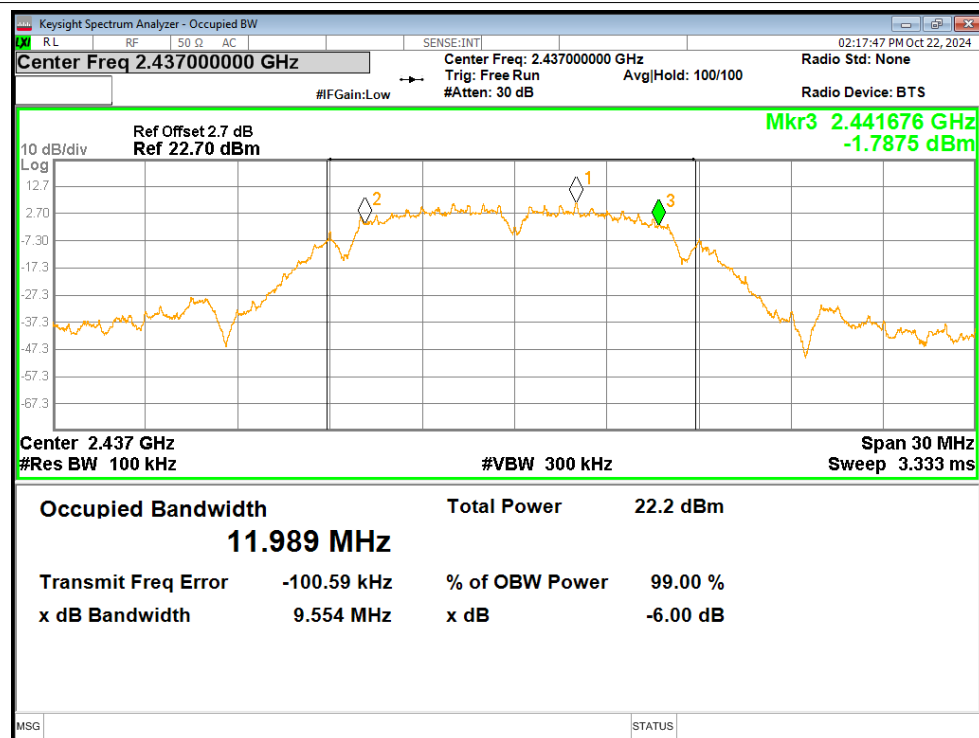
Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	9.57	0.5	Pass
b	2437	9.554	0.5	Pass
b	2462	9.057	0.5	Pass
g	2412	16.165	0.5	Pass
g	2437	16.324	0.5	Pass
g	2462	14.487	0.5	Pass
n20	2412	16.027	0.5	Pass
n20	2437	17.323	0.5	Pass
n20	2462	15.974	0.5	Pass
n40	2422	32.549	0.5	Pass
n40	2437	32.636	0.5	Pass
n40	2452	35.435	0.5	Pass

Test Graphs

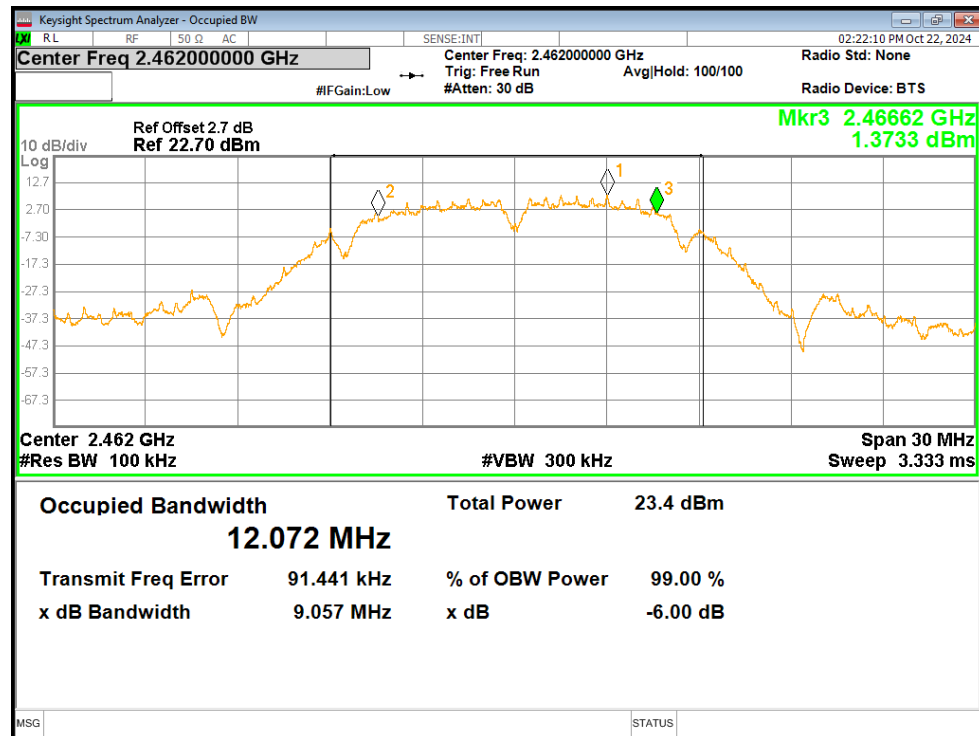
-6dB Bandwidth NVNT b 2412MHz Ant1



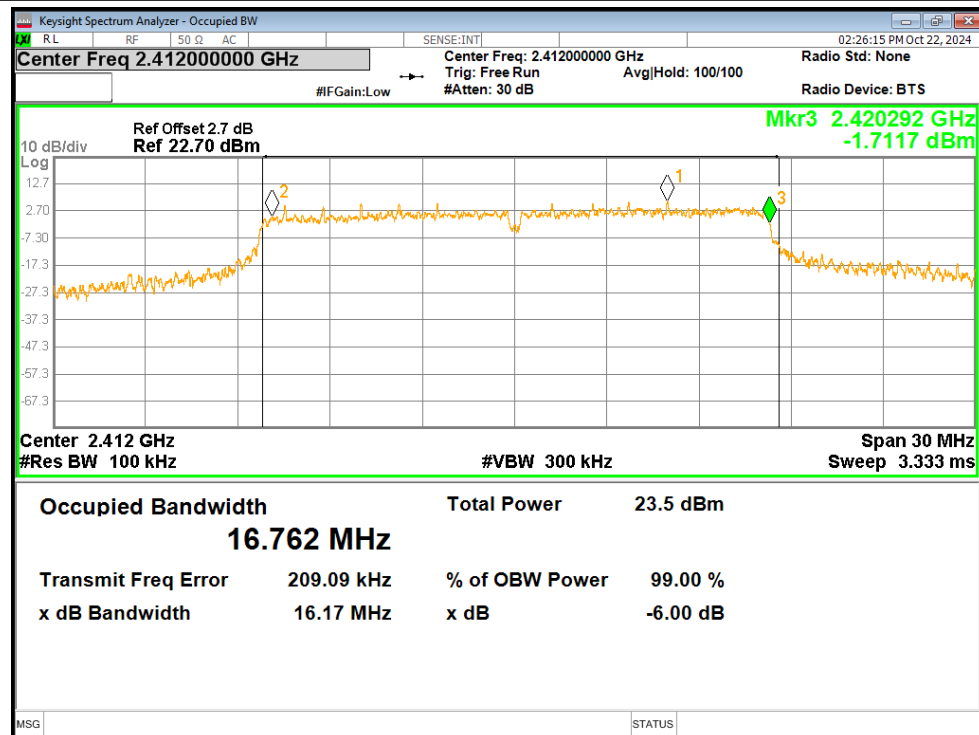
-6dB Bandwidth NVNT b 2437MHz Ant1



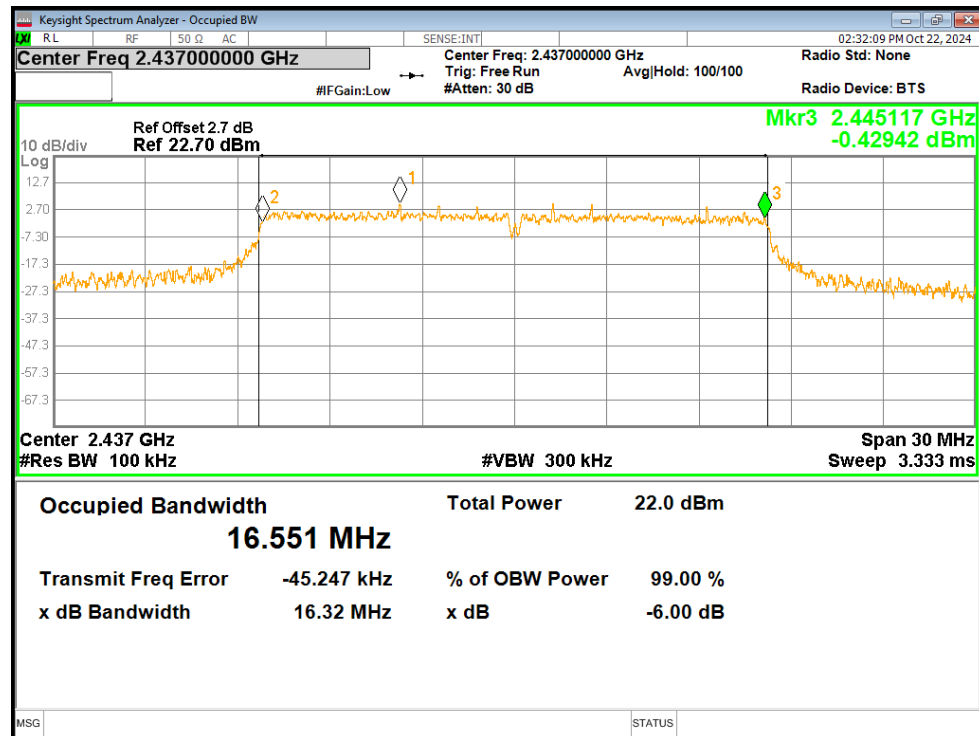
-6dB Bandwidth NVNT b 2462MHz Ant1



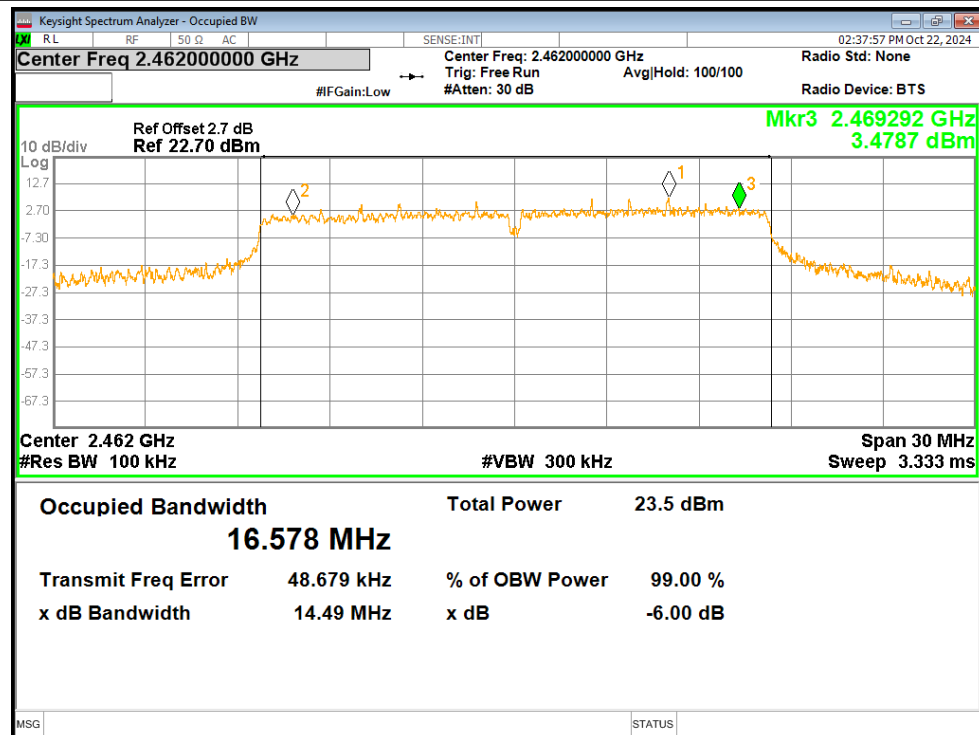
-6dB Bandwidth NVNT g 2412MHz Ant1



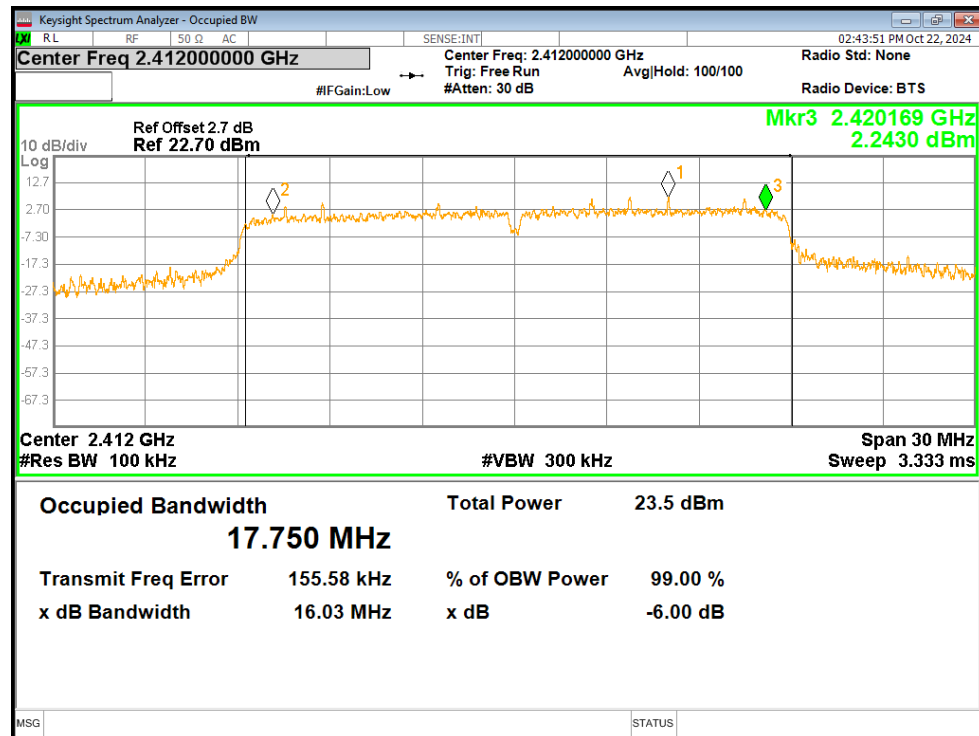
-6dB Bandwidth NVNT g 2437MHz Ant1



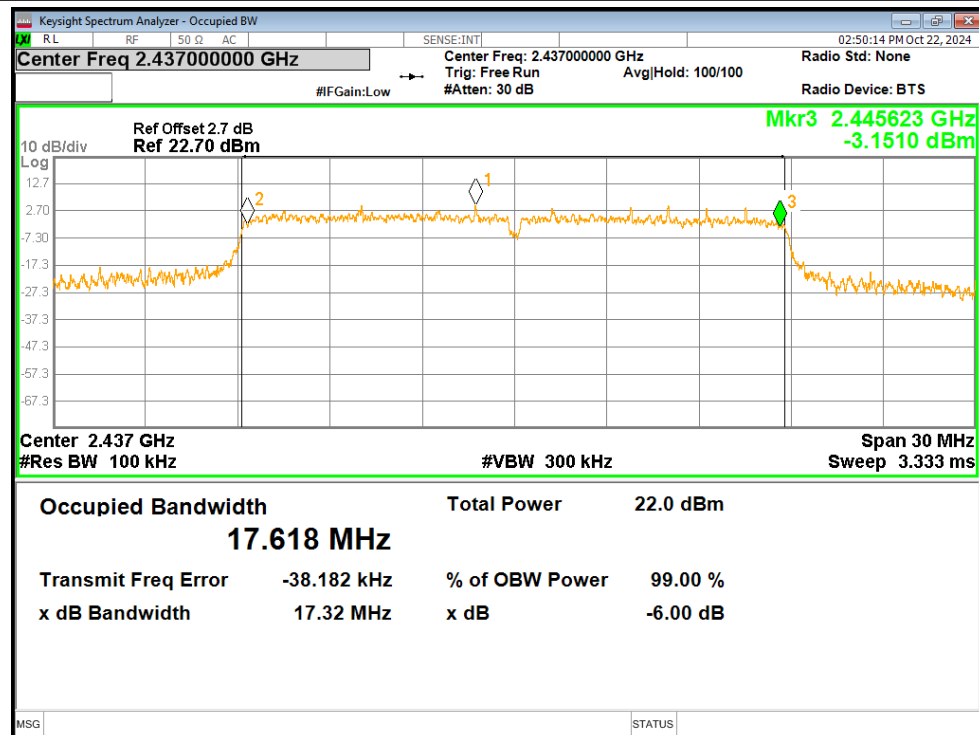
-6dB Bandwidth NVNT g 2462MHz Ant1



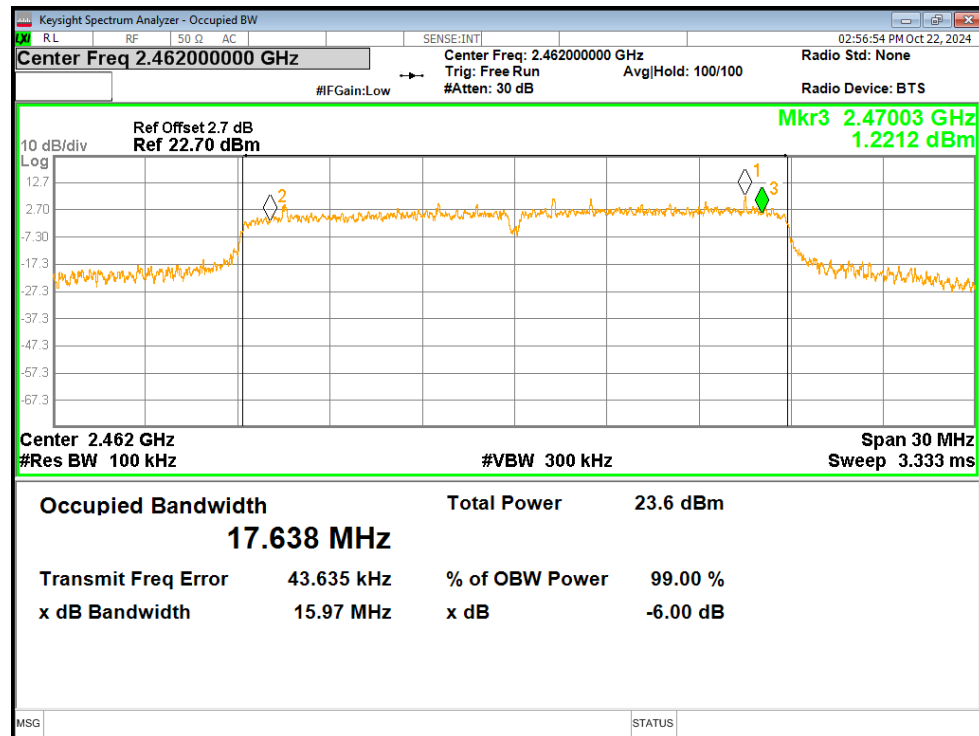
-6dB Bandwidth NVNT n20 2412MHz Ant1



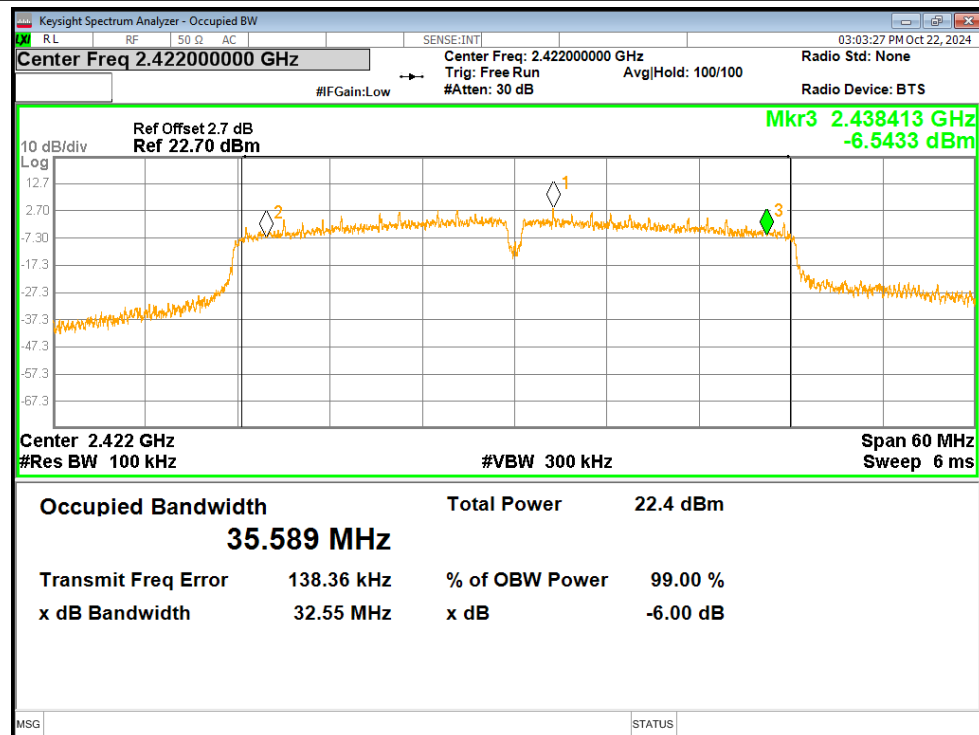
-6dB Bandwidth NVNT n20 2437MHz Ant1



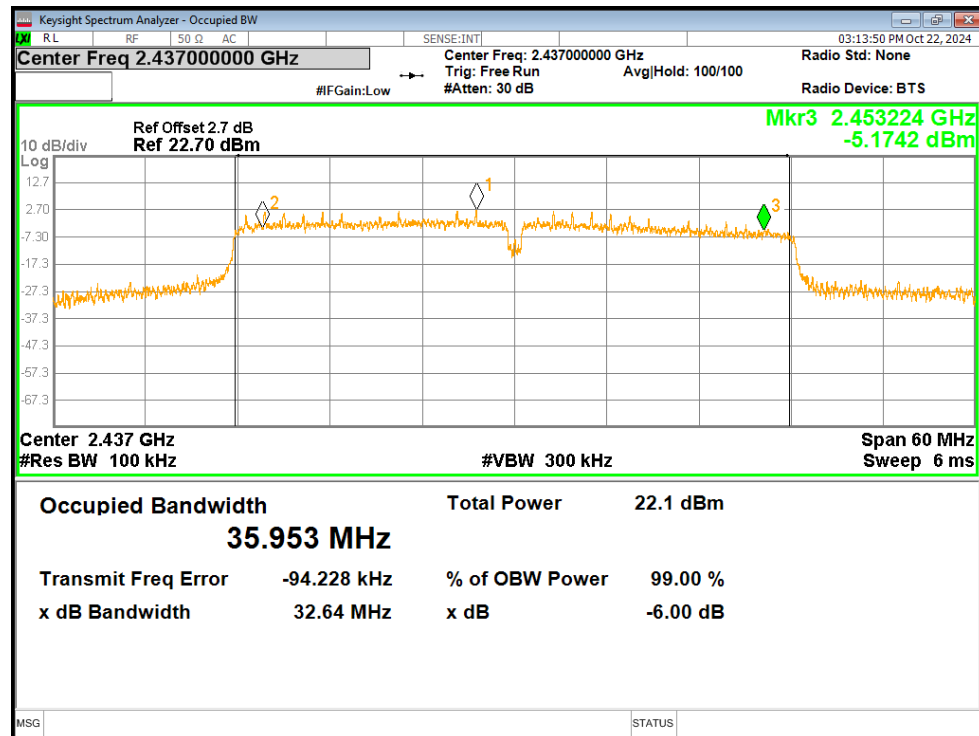
-6dB Bandwidth NVNT n20 2462MHz Ant1



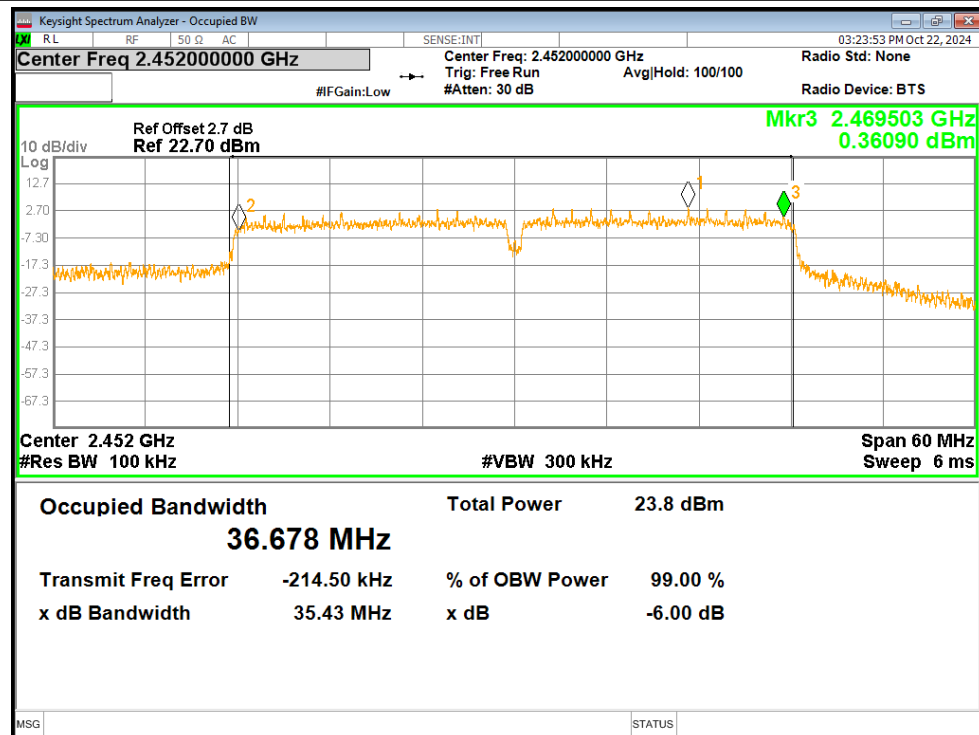
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant1

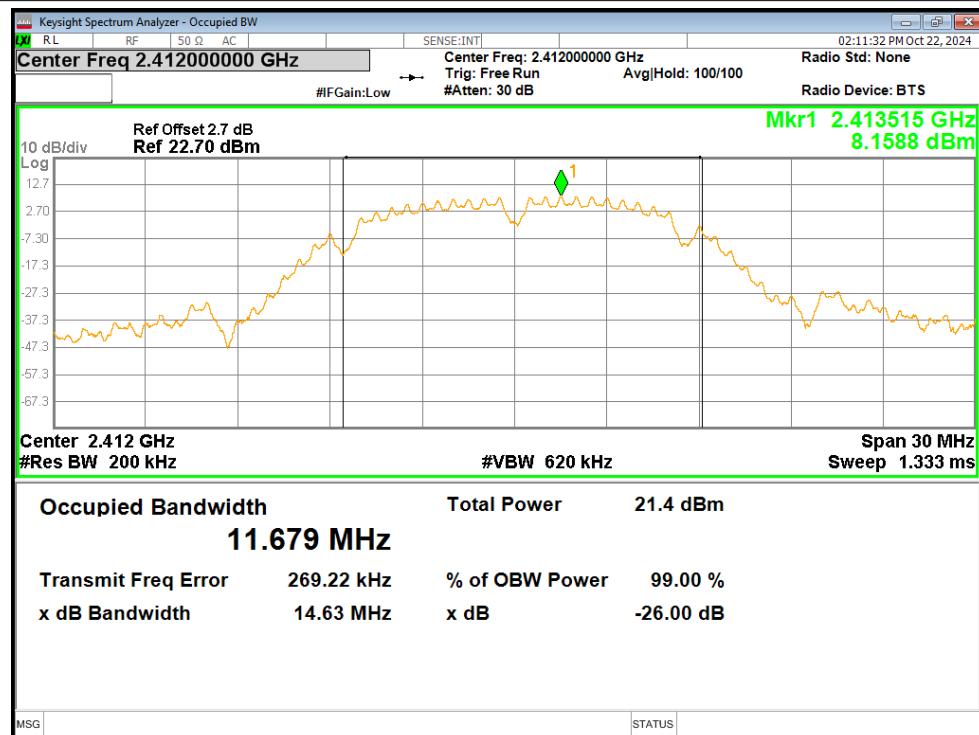


3.Occupied Channel Bandwidth

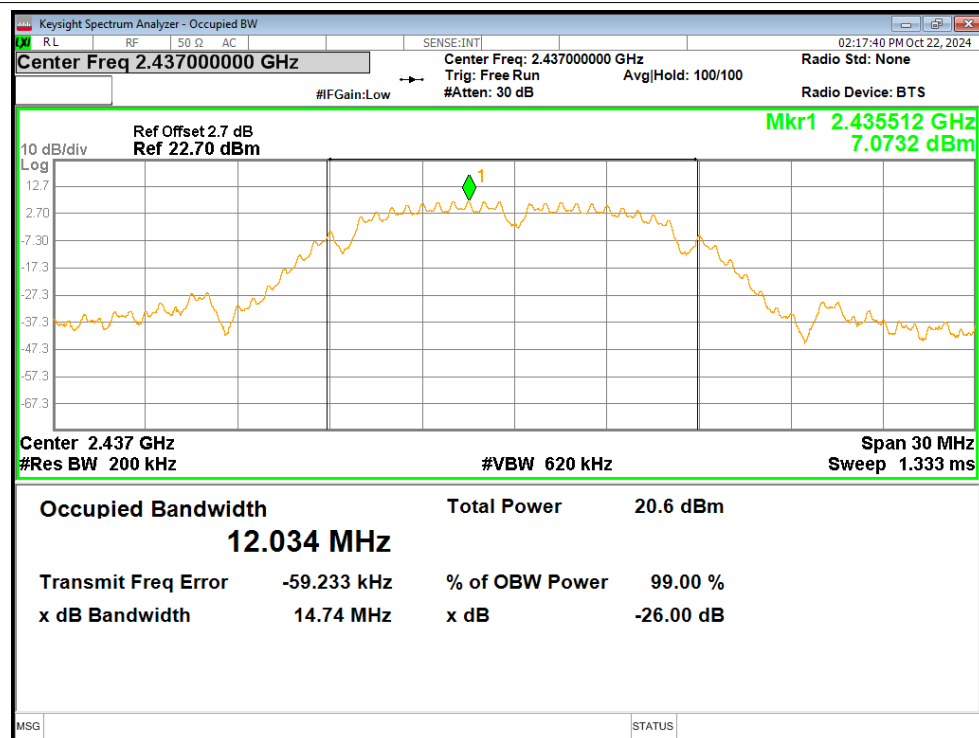
Mode	Frequency (MHz)	99% OBW (MHz)
b	2412	11.679
b	2437	12.034
b	2462	12.08
g	2412	16.995
g	2437	16.663
g	2462	16.796
n20	2412	17.846
n20	2437	17.674
n20	2462	17.733
n40	2422	35.663
n40	2437	36.049
n40	2452	37.168

Test Graphs

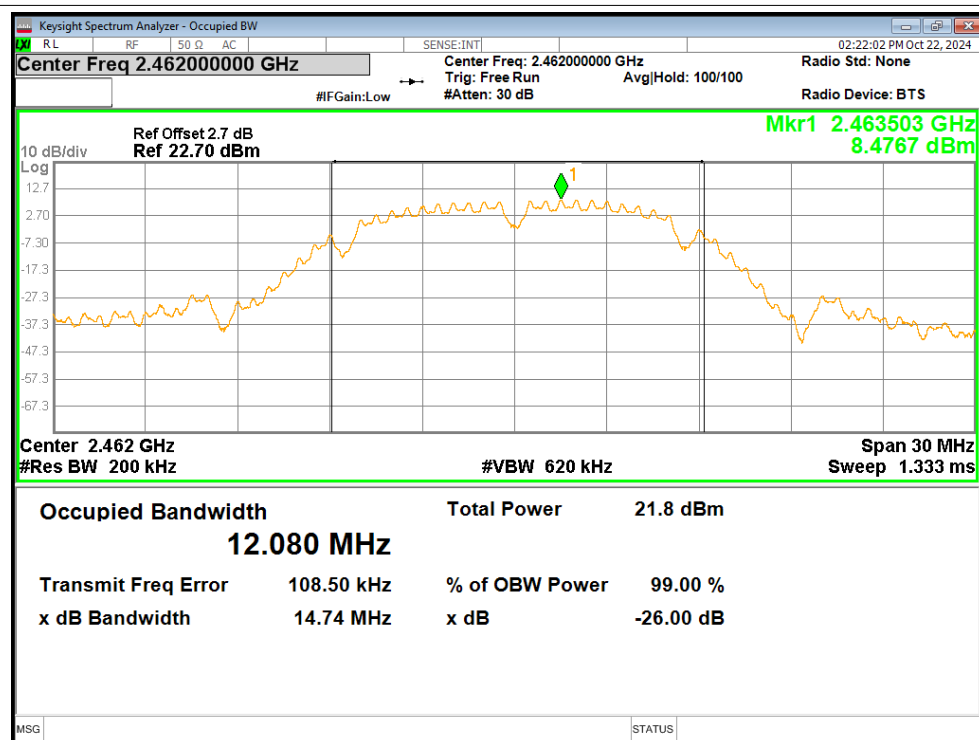
OBW NVNT b 2412MHz Ant1



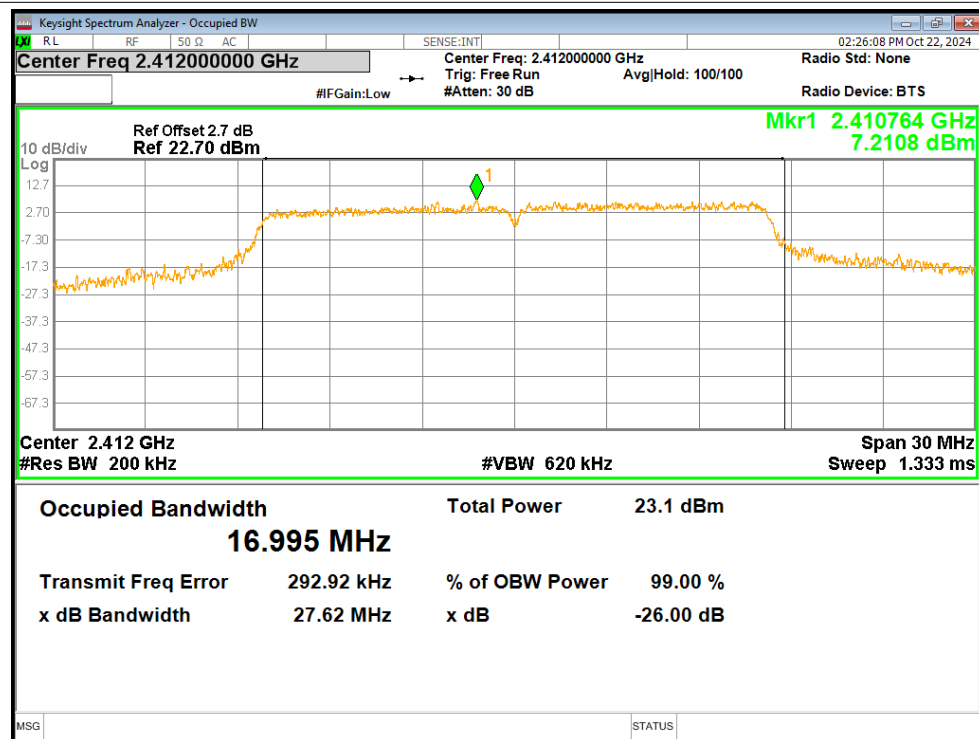
OBW NVNT b 2437MHz Ant1



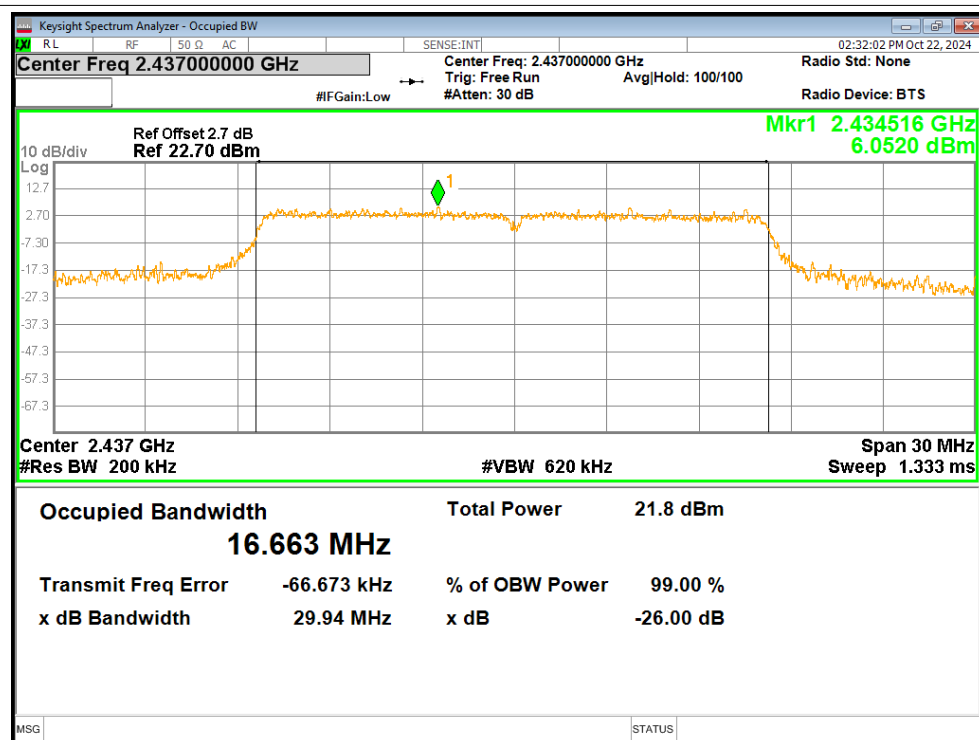
OBW NVNT b 2462MHz Ant1



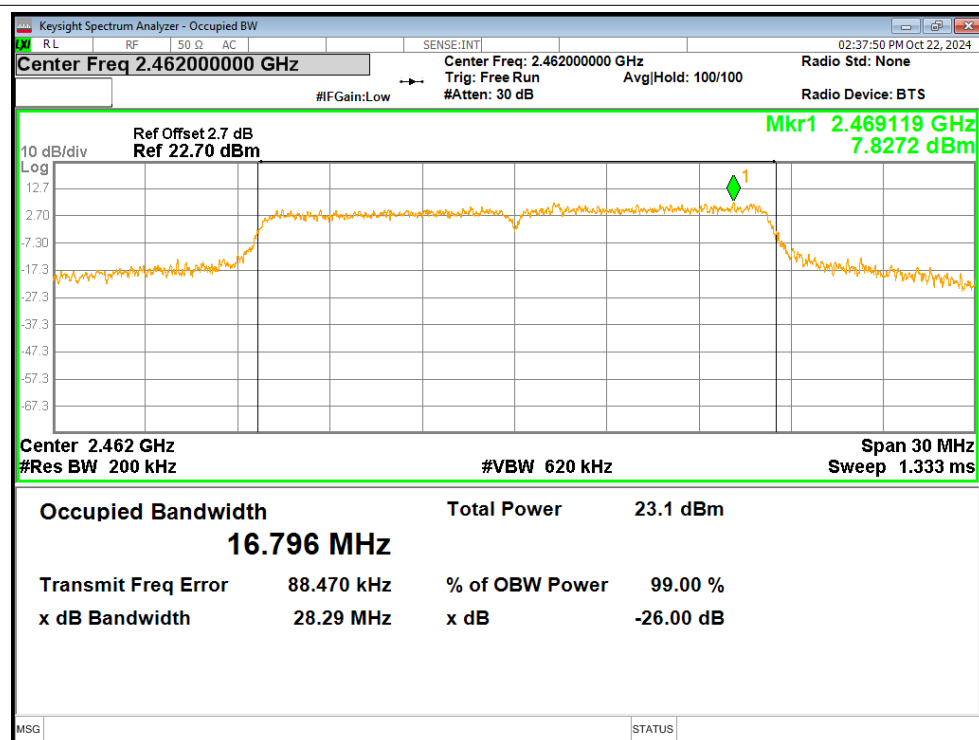
OBW NVNT g 2412MHz Ant1



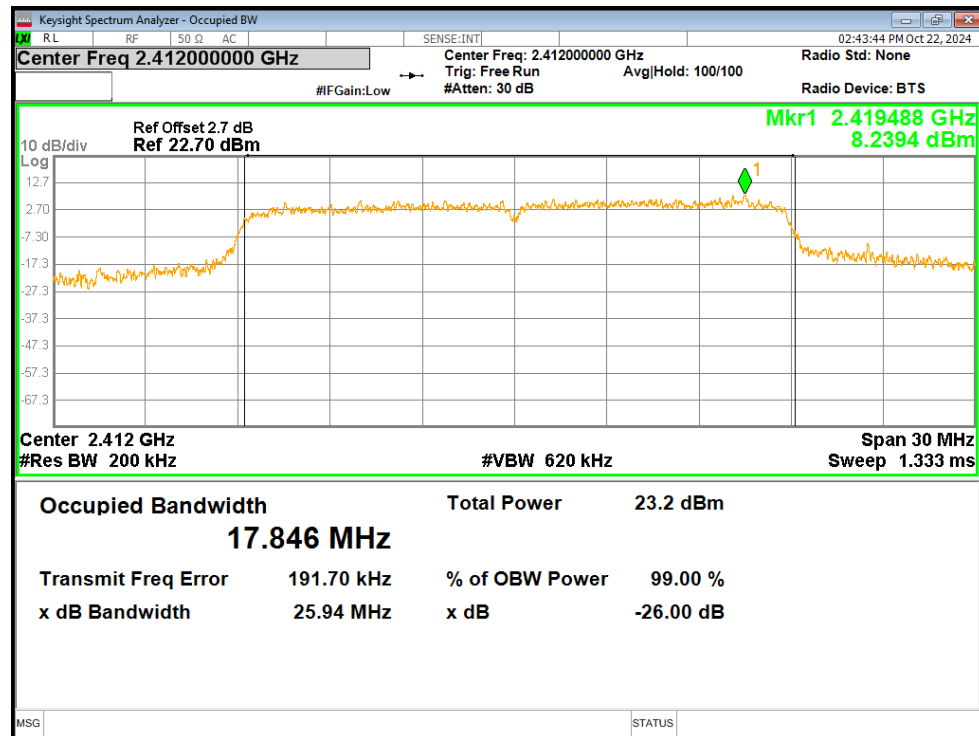
OBW NVNT g 2437MHz Ant1



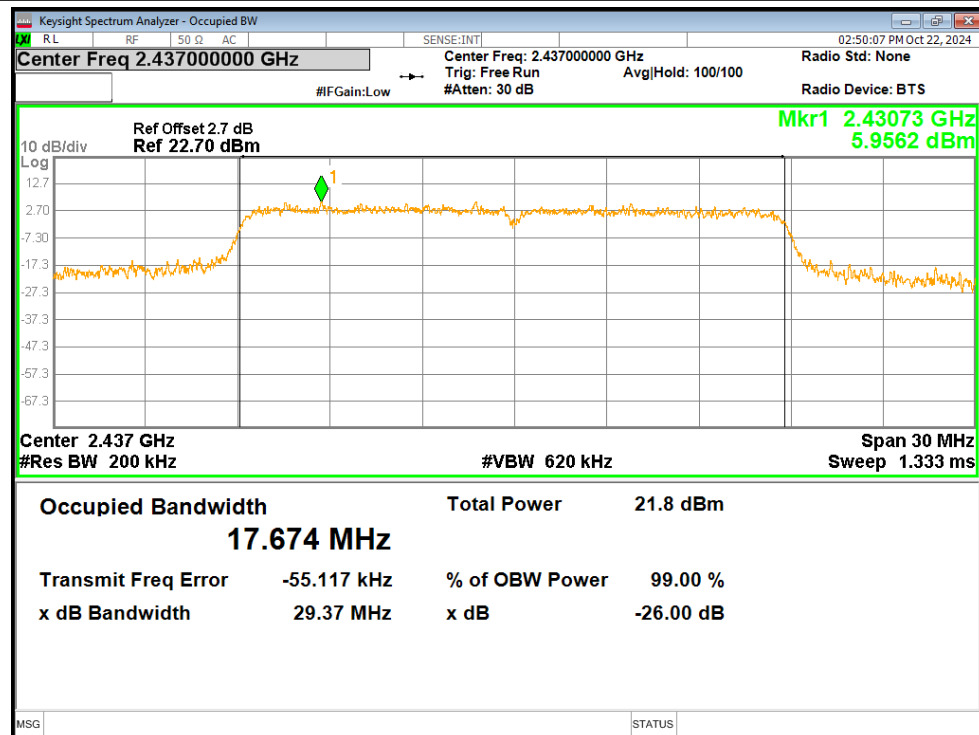
OBW NVNT g 2462MHz Ant1



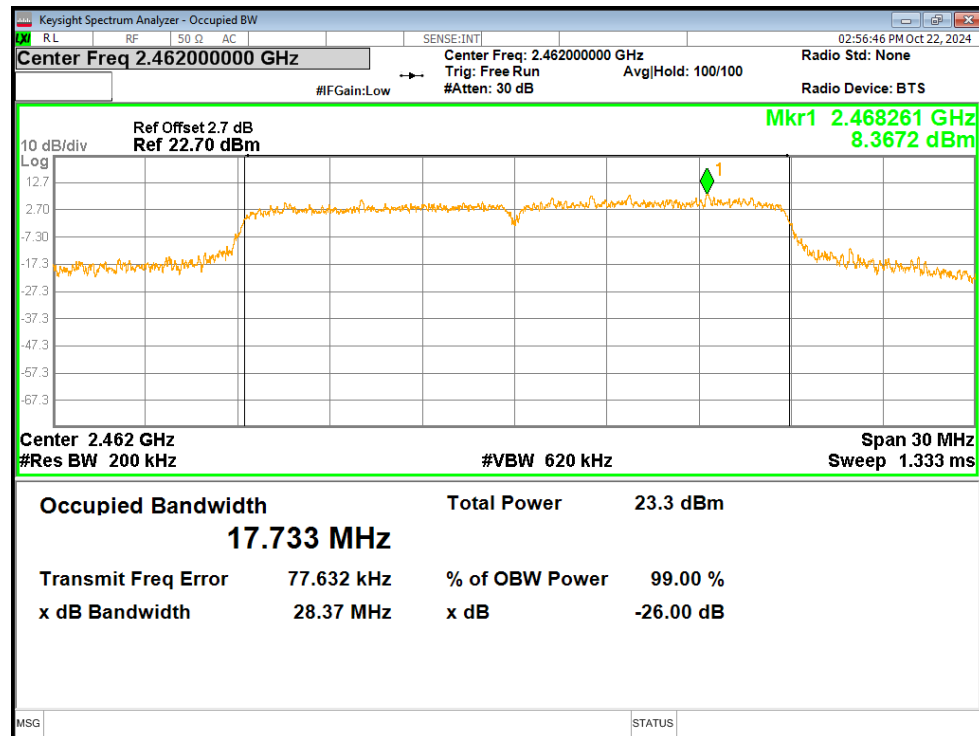
OBW NVNT n20 2412MHz Ant1



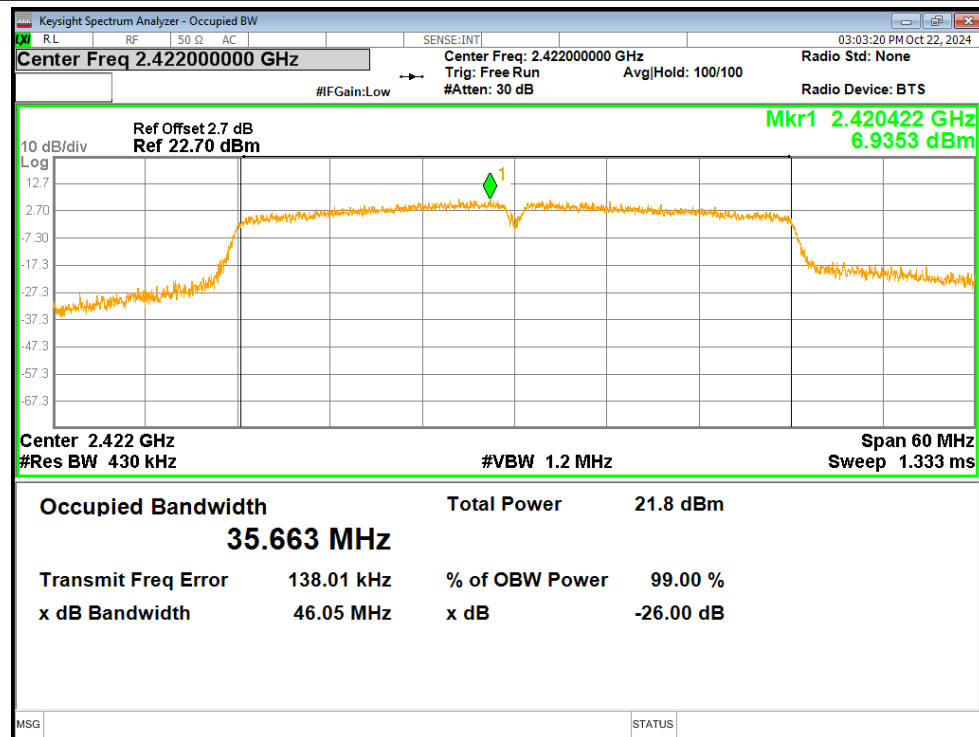
OBW NVNT n20 2437MHz Ant1



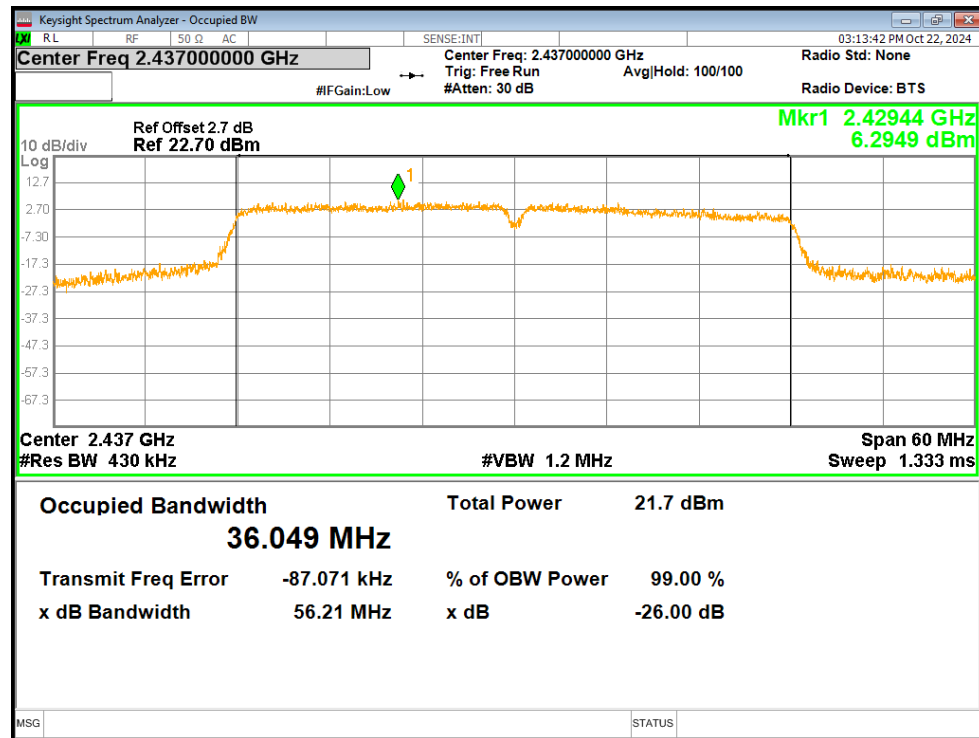
OBW NVNT n20 2462MHz Ant1



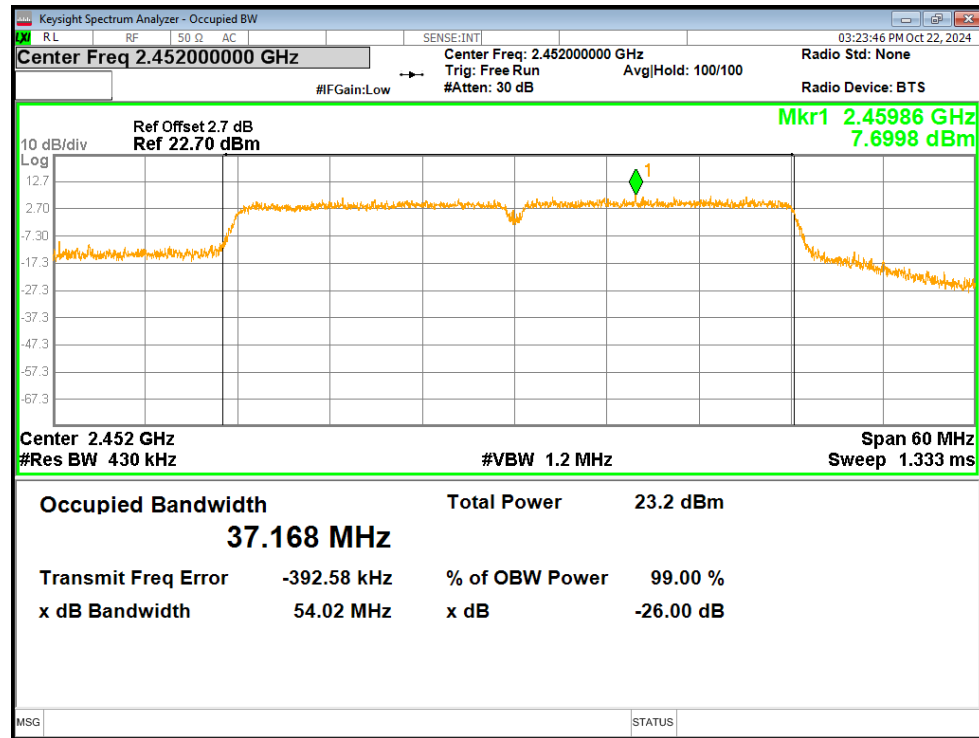
OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



OBW NVNT n40 2452MHz Ant1

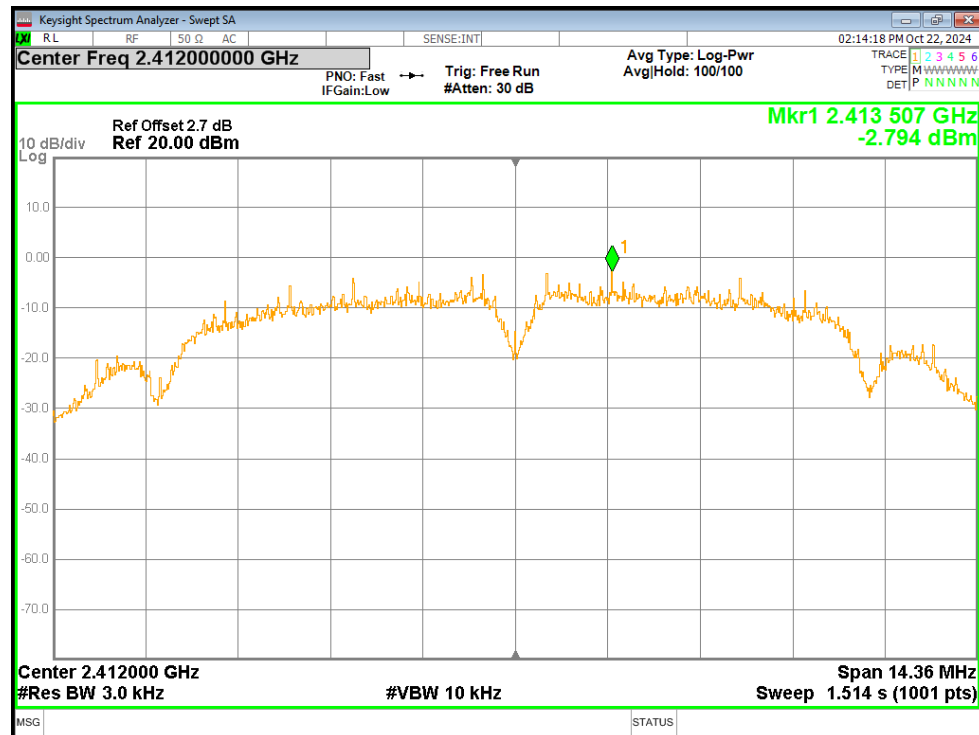


4.Maximum Power Spectral Density Level

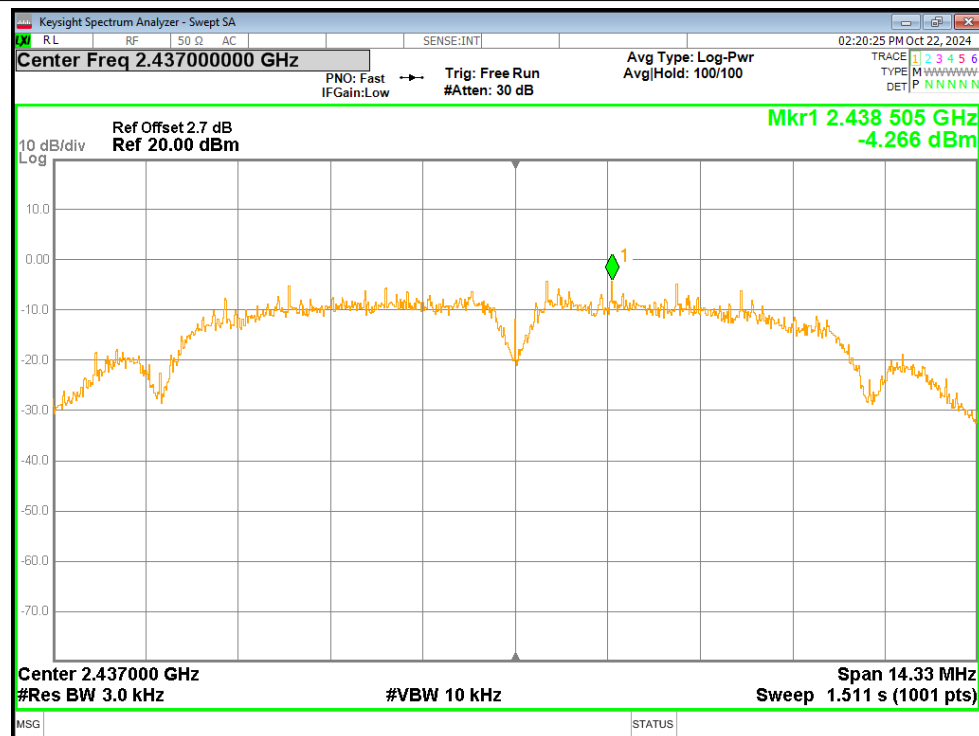
Mode	Frequency (MHz)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
b	2412	-2.79	8	Pass
b	2437	-4.27	8	Pass
b	2462	-2.89	8	Pass
g	2412	-7.16	8	Pass
g	2437	-8.82	8	Pass
g	2462	-6.72	8	Pass
n20	2412	-5.4	8	Pass
n20	2437	-7.64	8	Pass
n20	2462	-5.21	8	Pass
n40	2422	-10.35	8	Pass
n40	2437	-10.39	8	Pass
n40	2452	-9.84	8	Pass

Test Graphs

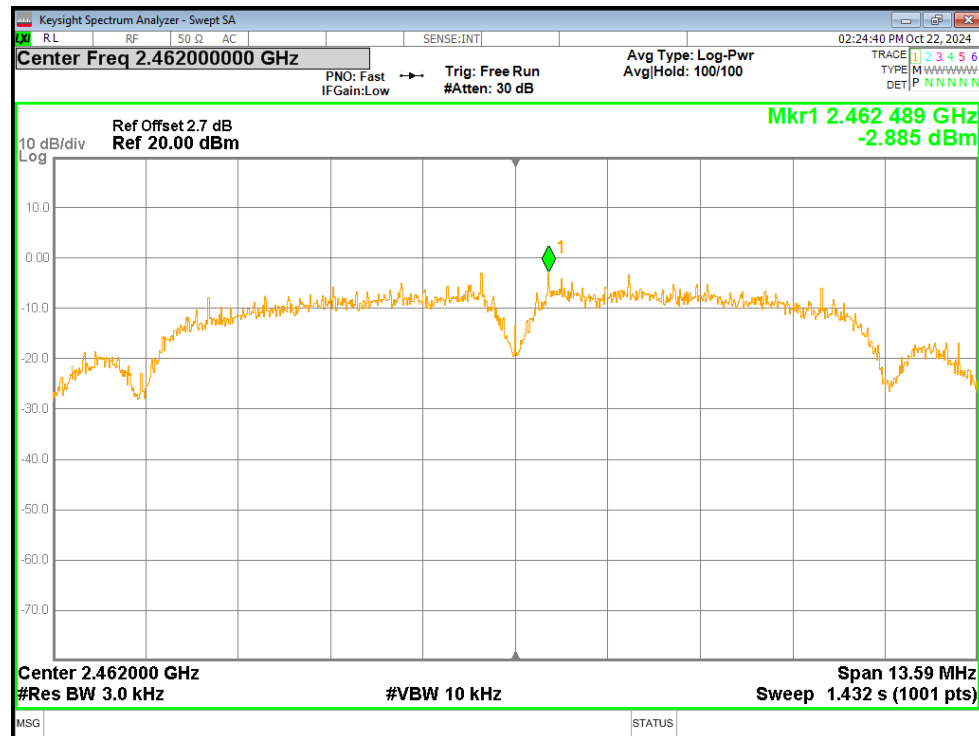
PSD NVNT b 2412MHz Ant1



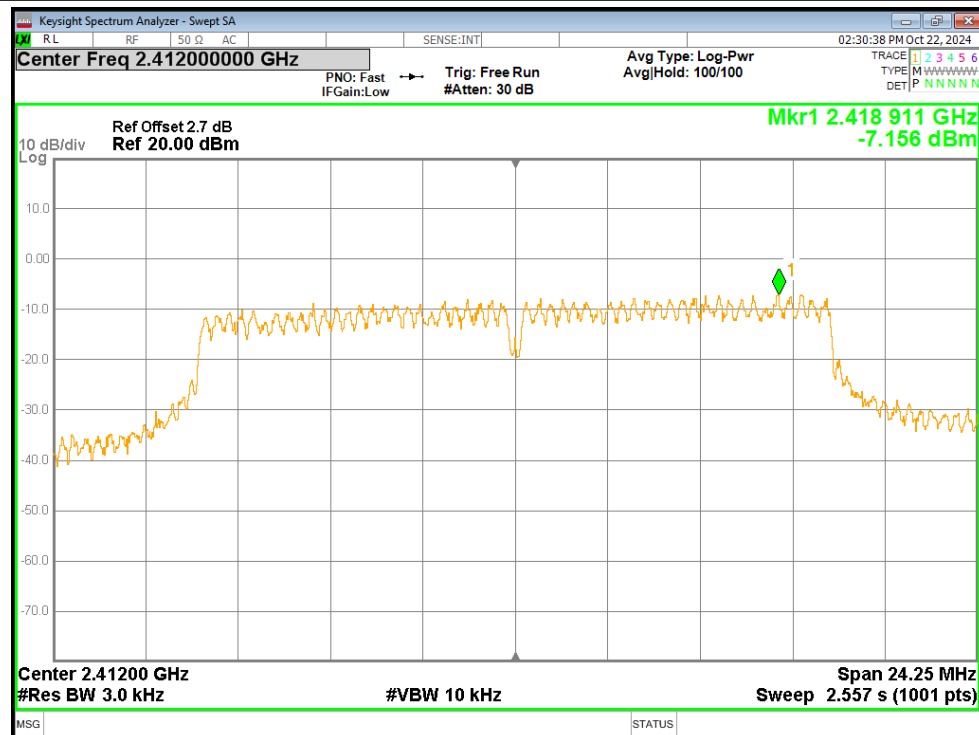
PSD NVNT b 2437MHz Ant1



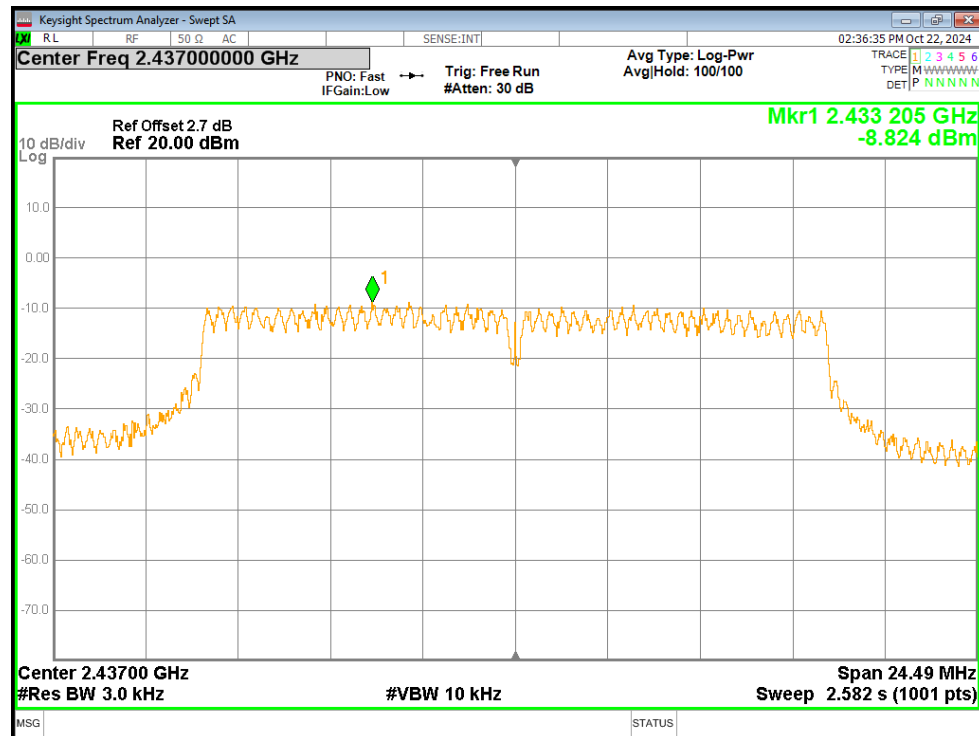
PSD NVNT b 2462MHz Ant1



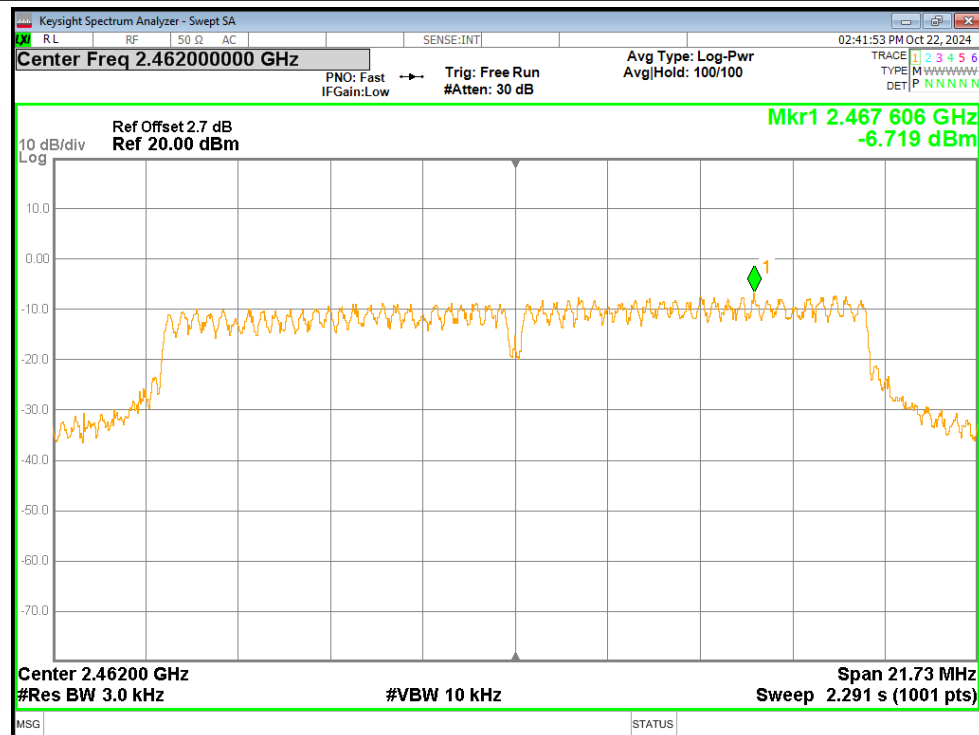
PSD NVNT g 2412MHz Ant1



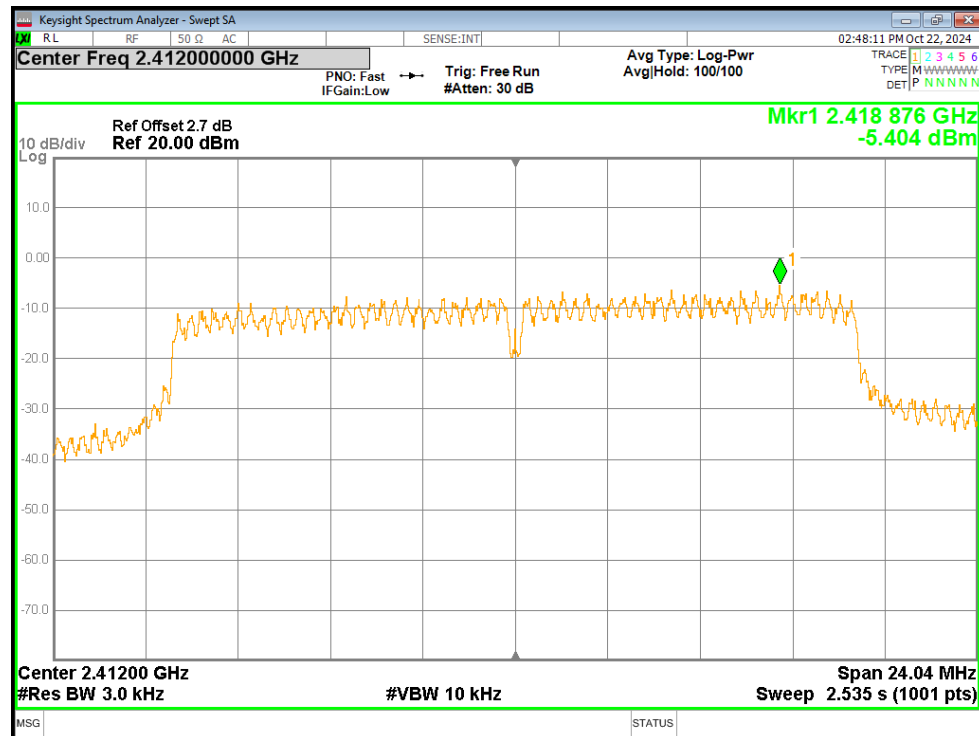
PSD NVNT g 2437MHz Ant1



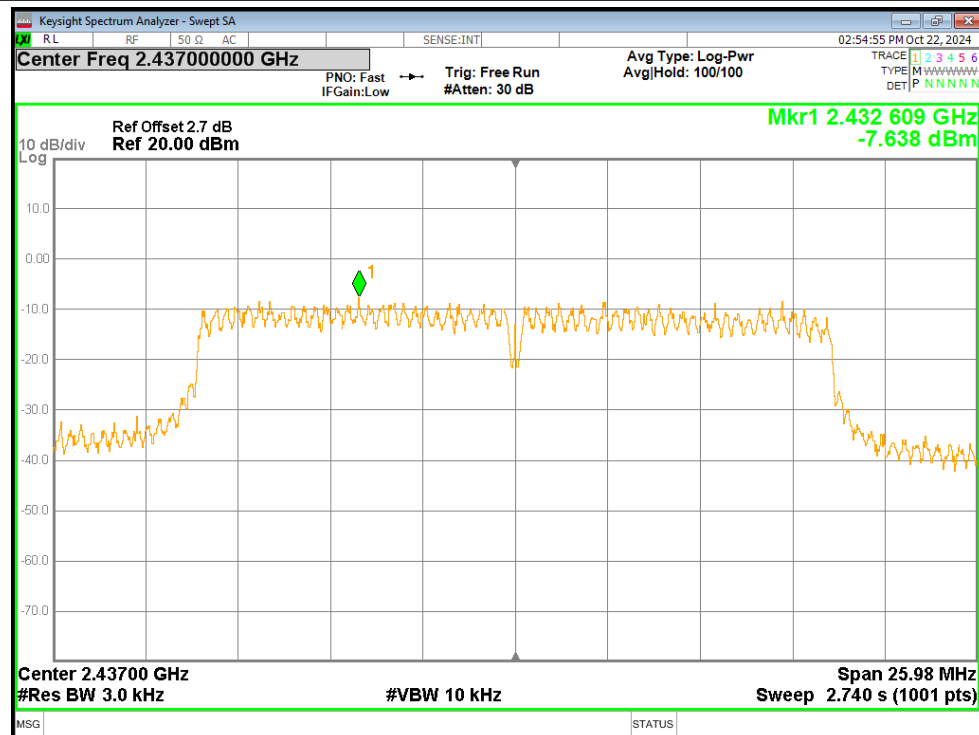
PSD NVNT g 2462MHz Ant1



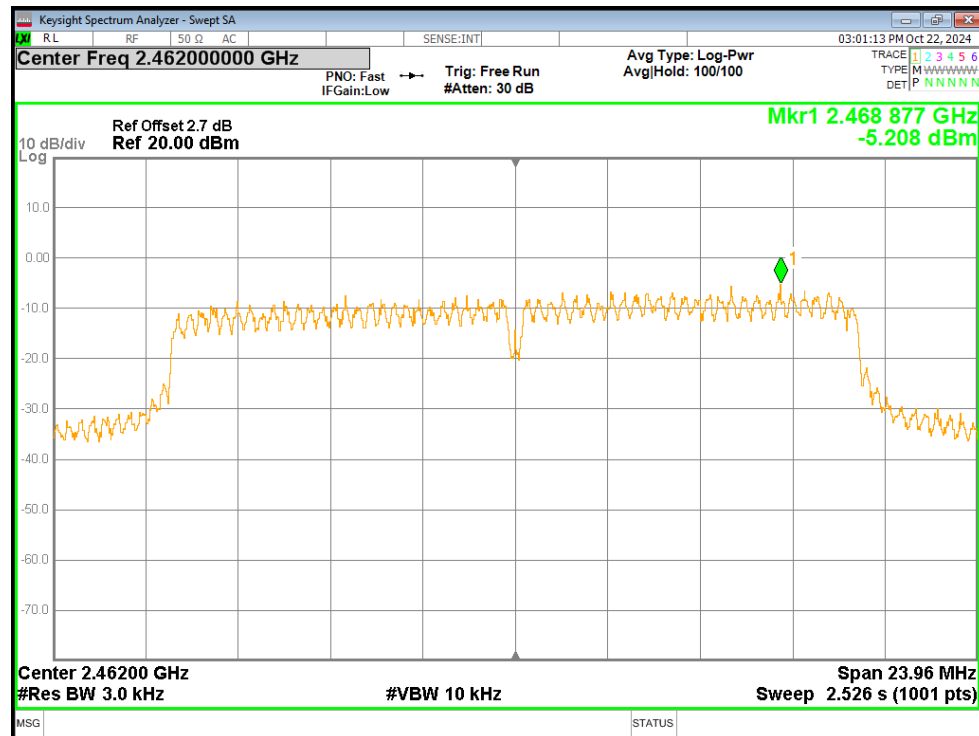
PSD NVNT n20 2412MHz Ant1



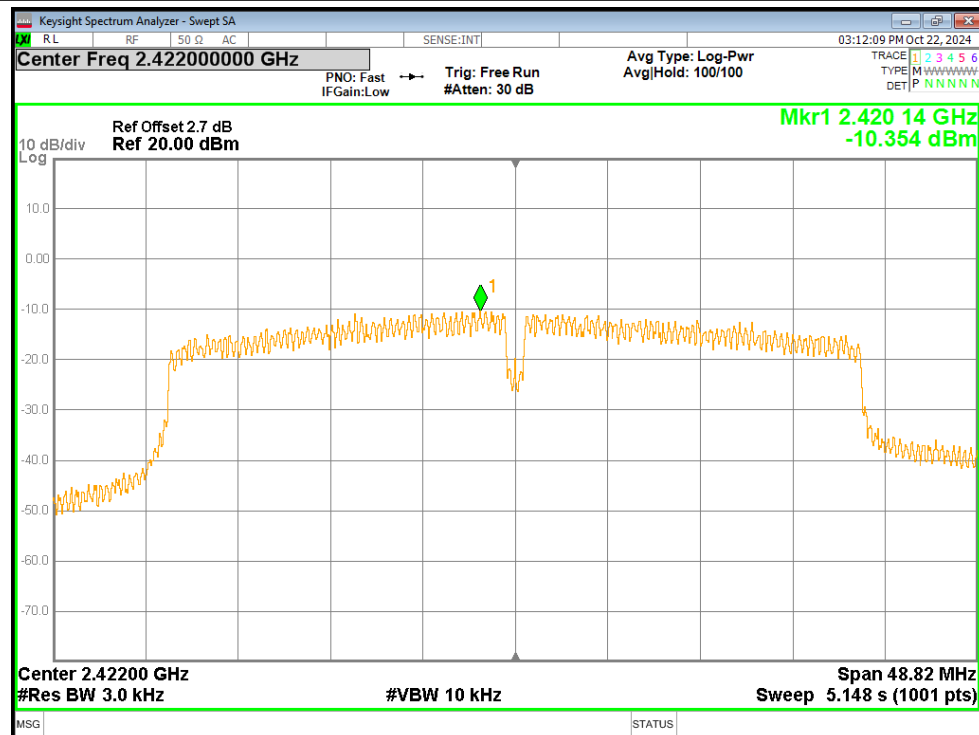
PSD NVNT n20 2437MHz Ant1



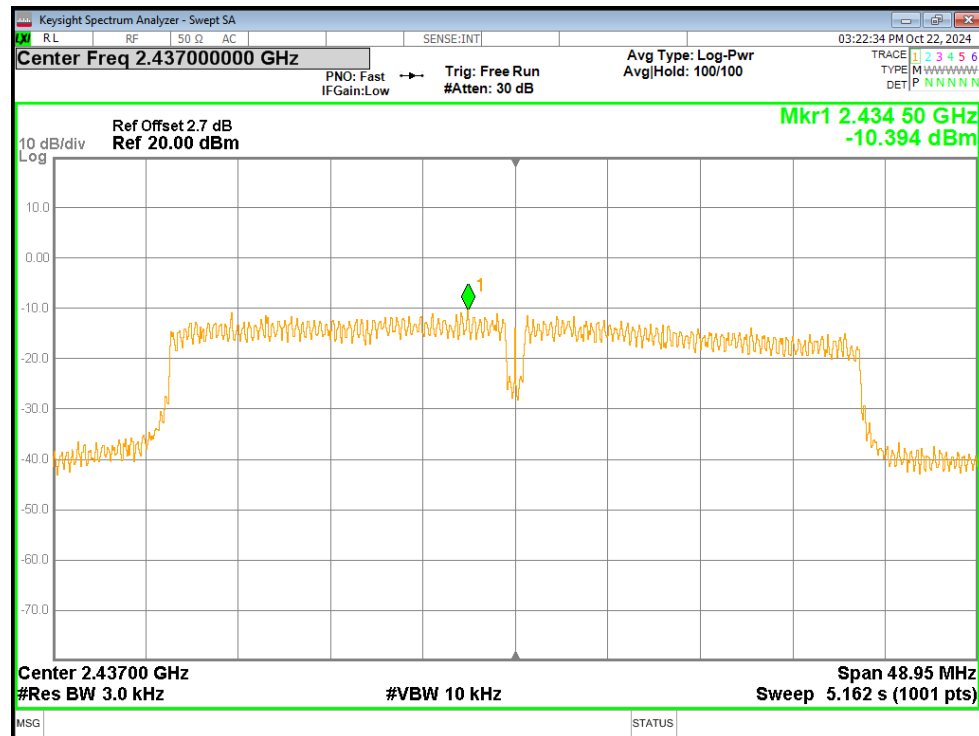
PSD NVNT n20 2462MHz Ant1



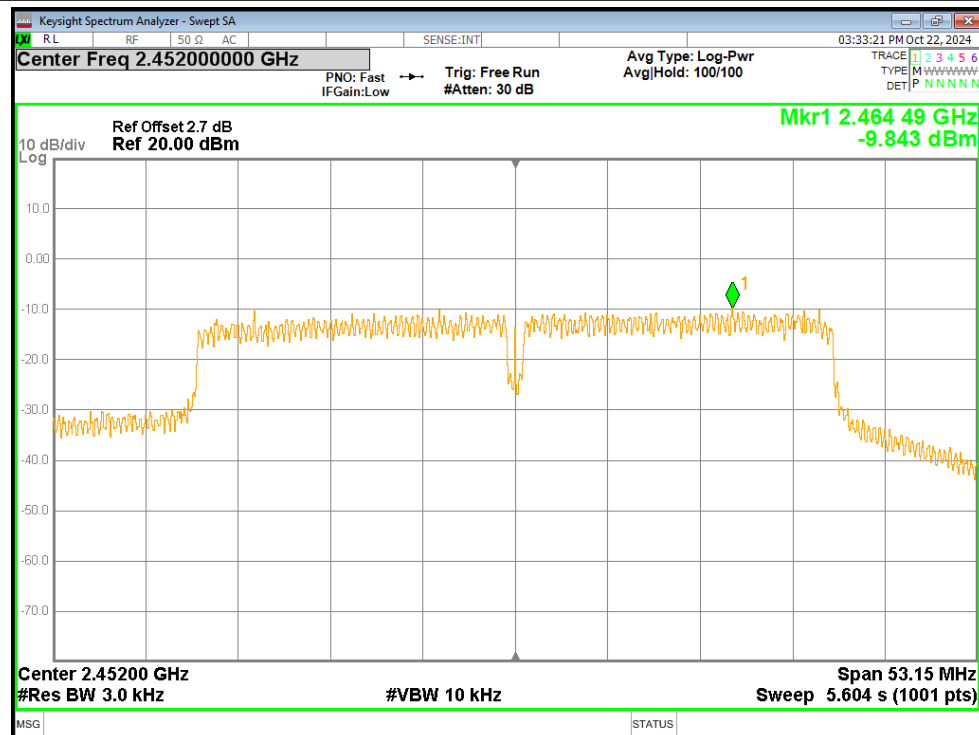
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz Ant1

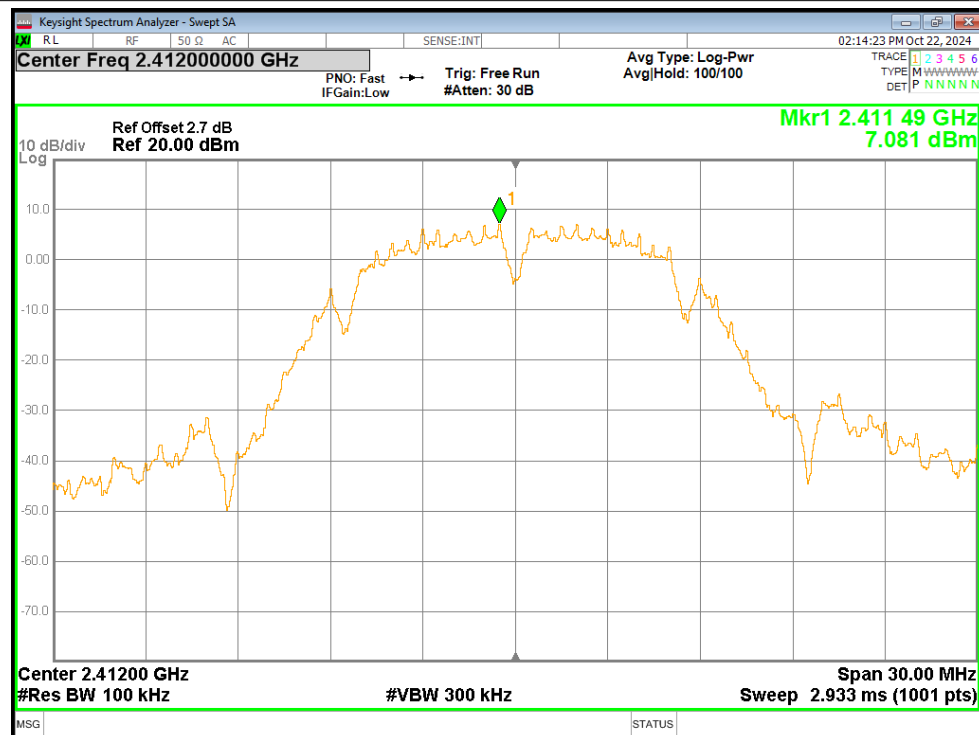


5.Band Edge

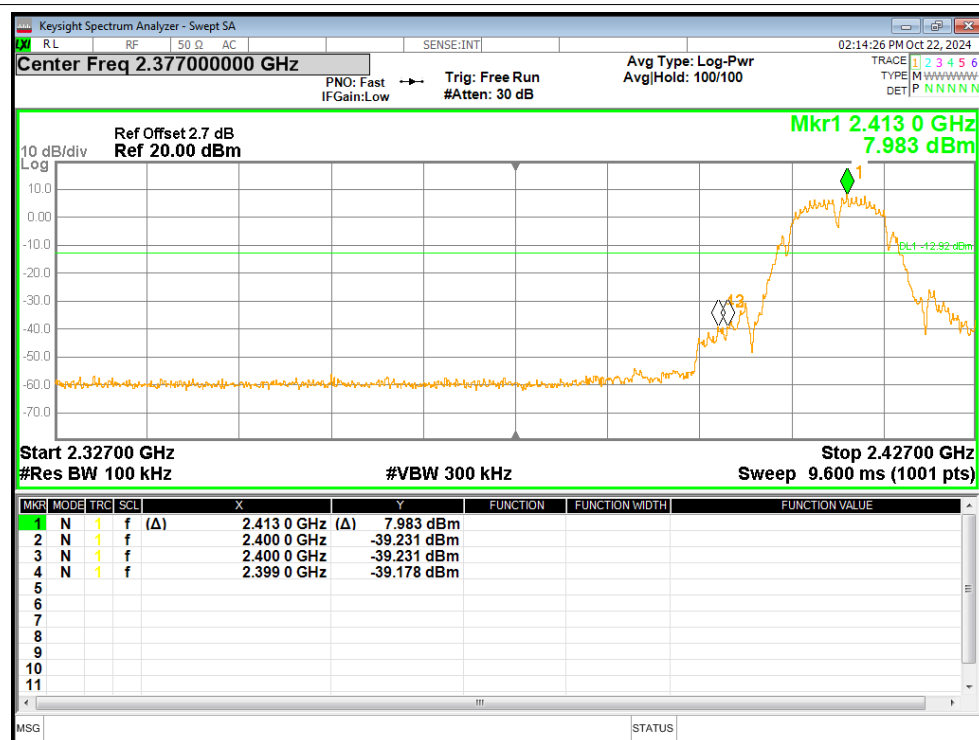
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	-46.25	-20	Pass
b	2462	-62.4	-20	Pass
g	2412	-28.62	-20	Pass
g	2462	-42.85	-20	Pass
n20	2412	-27.7	-20	Pass
n20	2462	-39.29	-20	Pass
n40	2422	-35.23	-20	Pass
n40	2452	-33.4	-20	Pass

Test Graphs

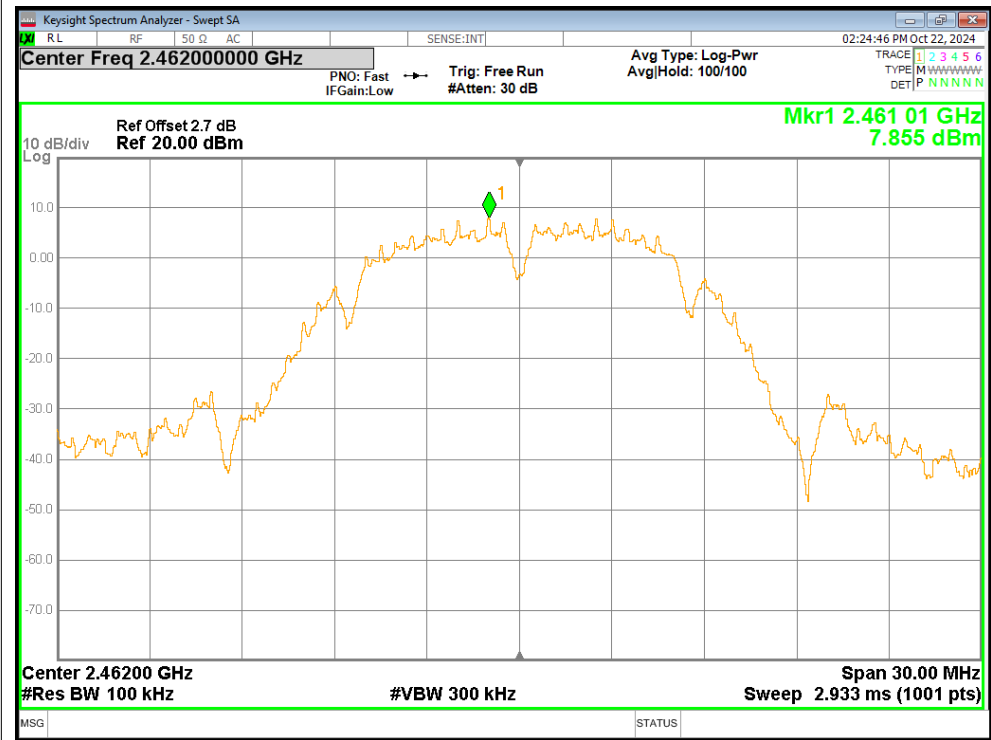
Band Edge NVNT b 2412MHz Ant1 Ref



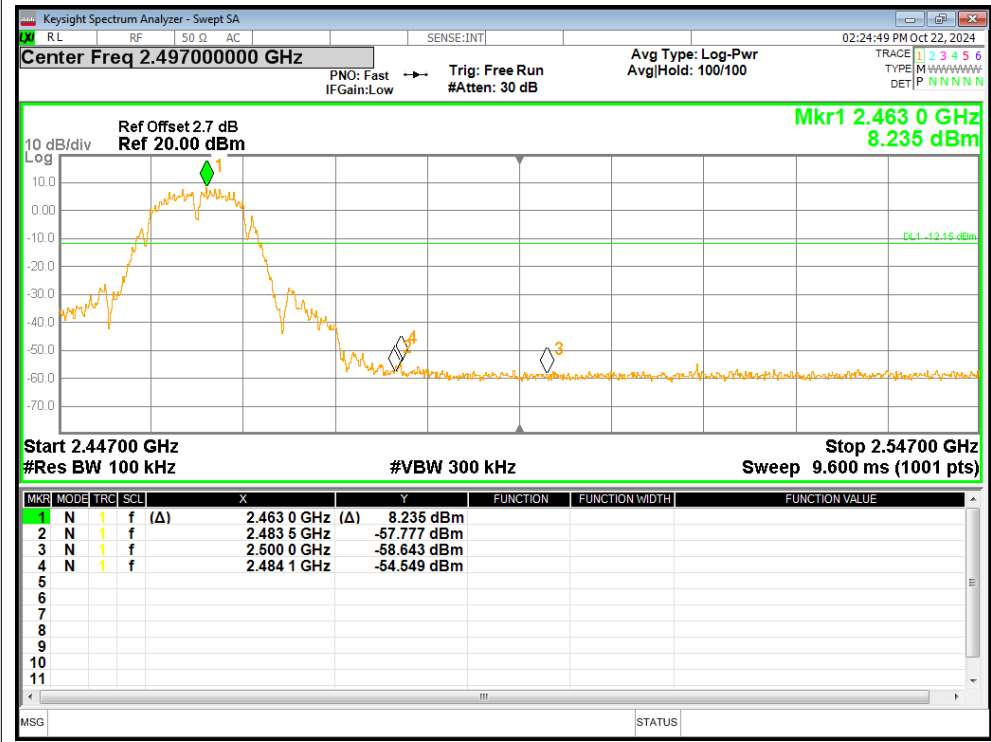
Band Edge NVNT b 2412MHz Ant1 Emission



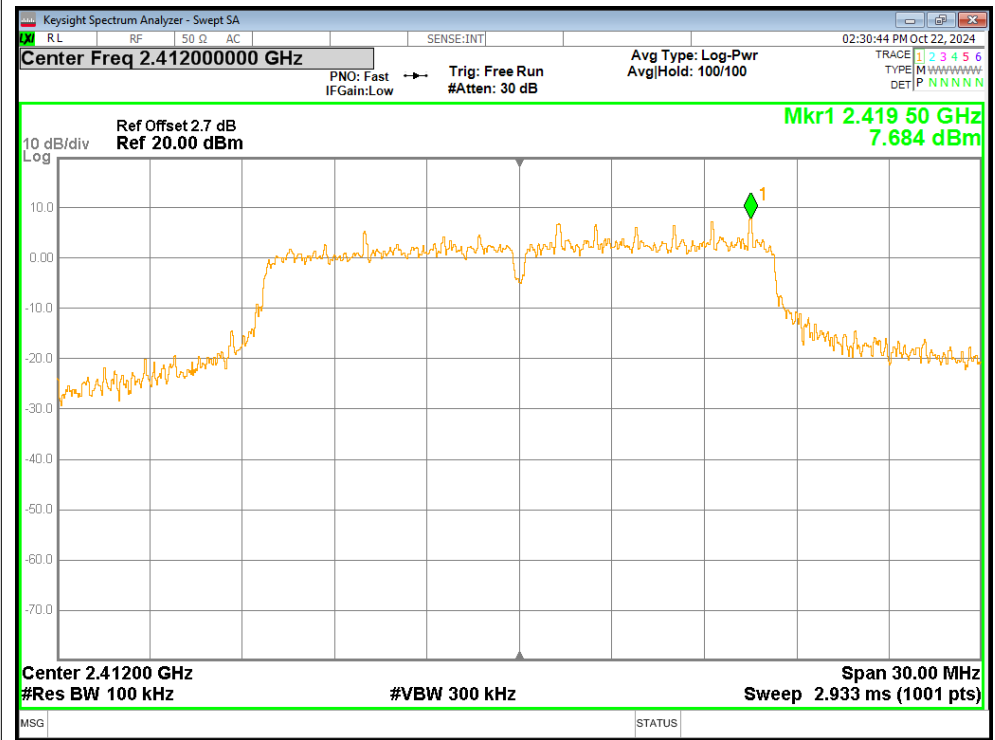
Band Edge NVNT b 2462MHz Ant1 Ref



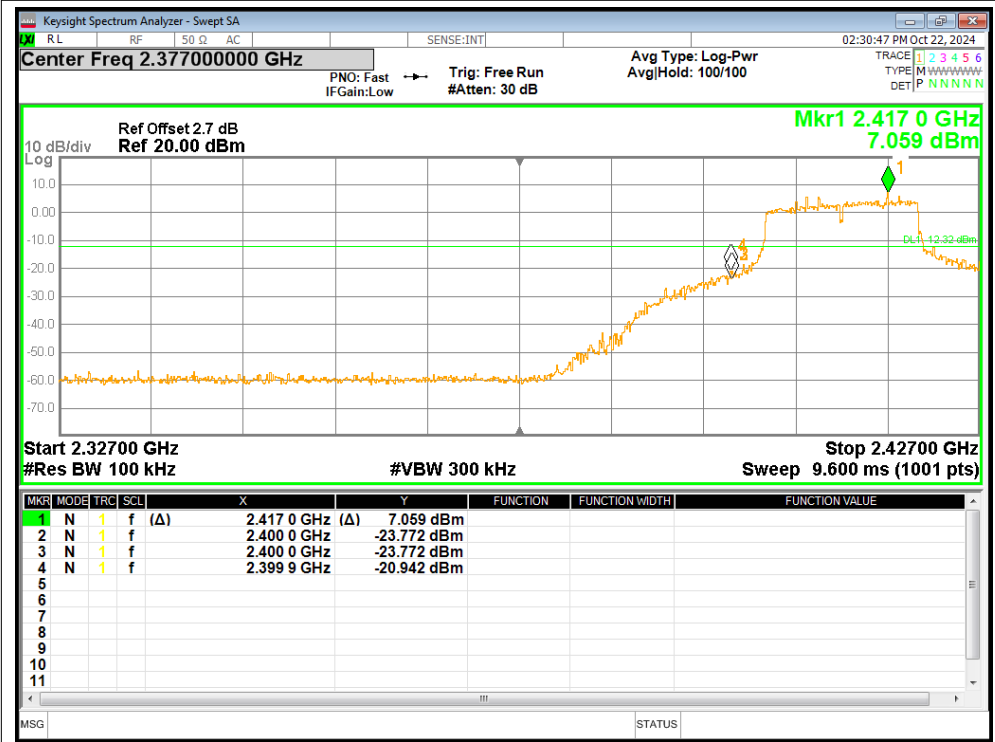
Band Edge NVNT b 2462MHz Ant1 Emission



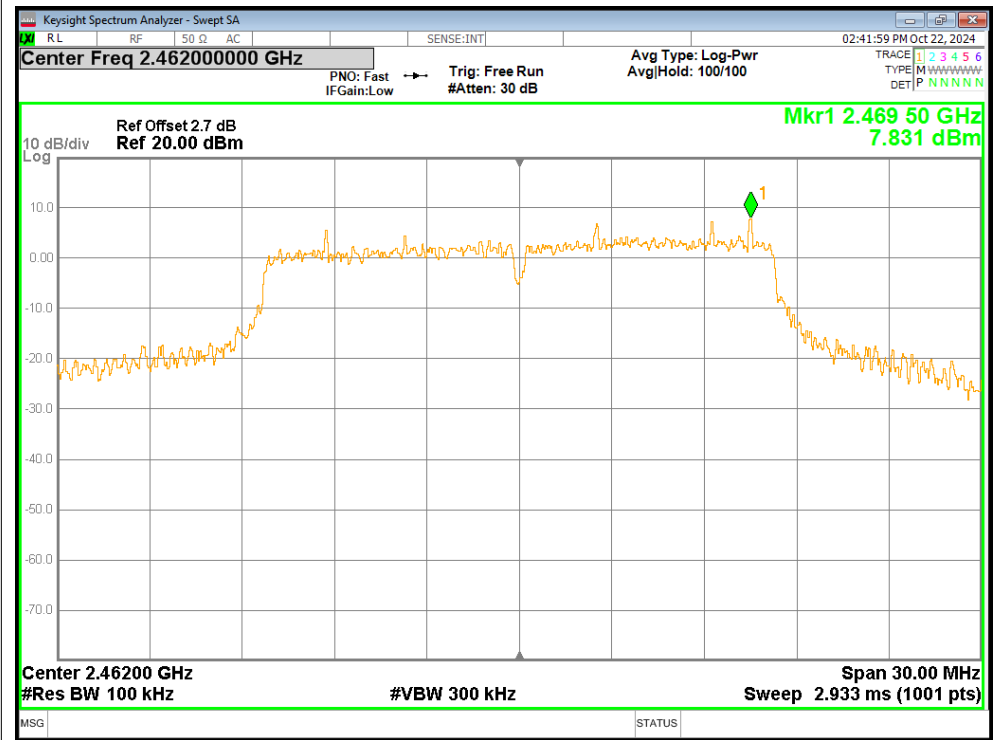
Band Edge NVNT g 2412MHz Ant1 Ref



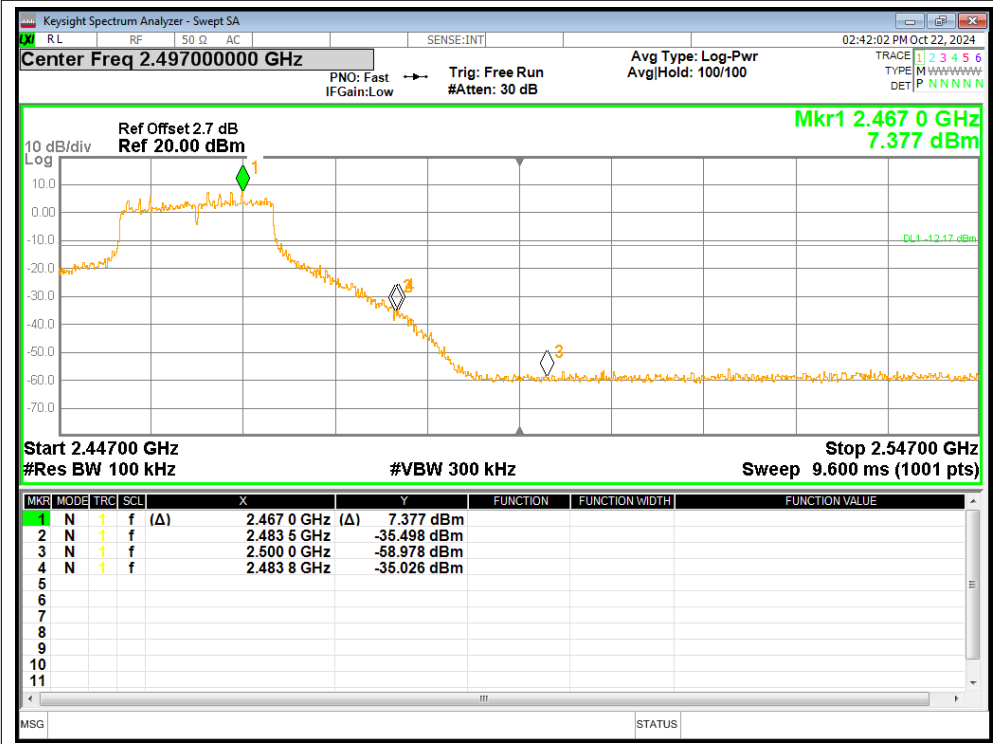
Band Edge NVNT g 2412MHz Ant1 Emission



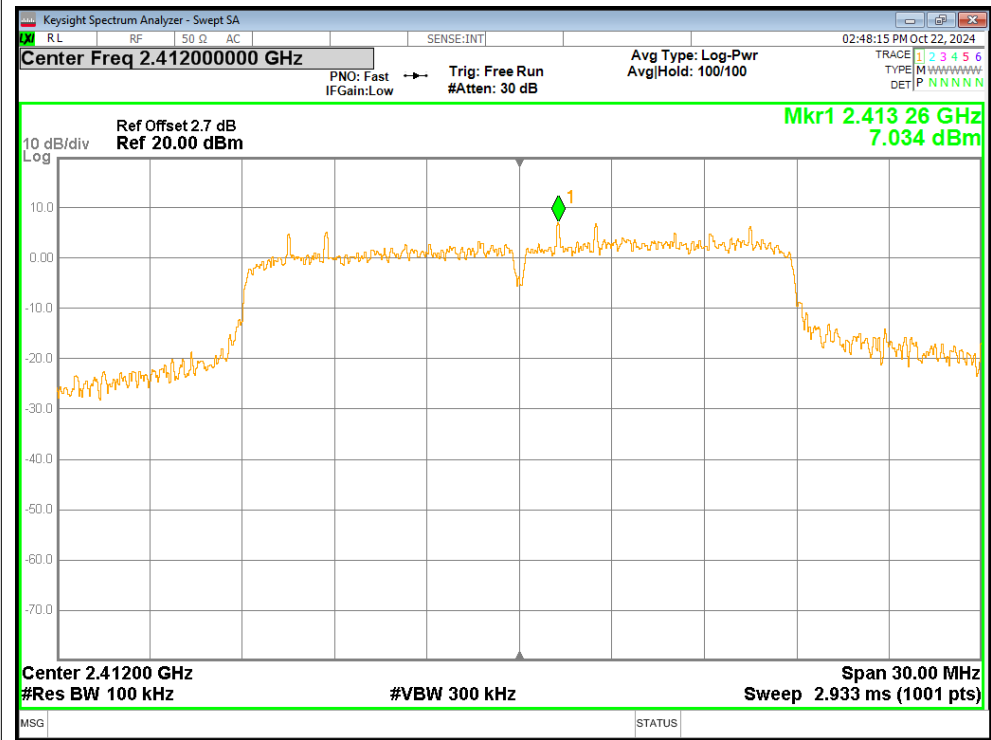
Band Edge NVNT g 2462MHz Ant1 Ref



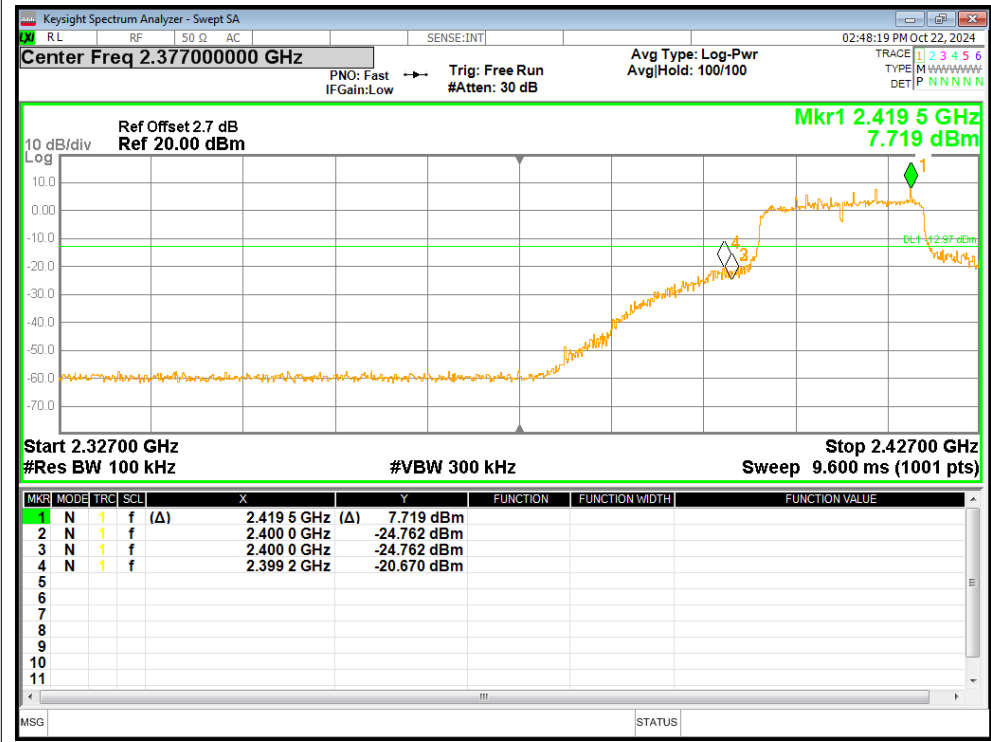
Band Edge NVNT g 2462MHz Ant1 Emission



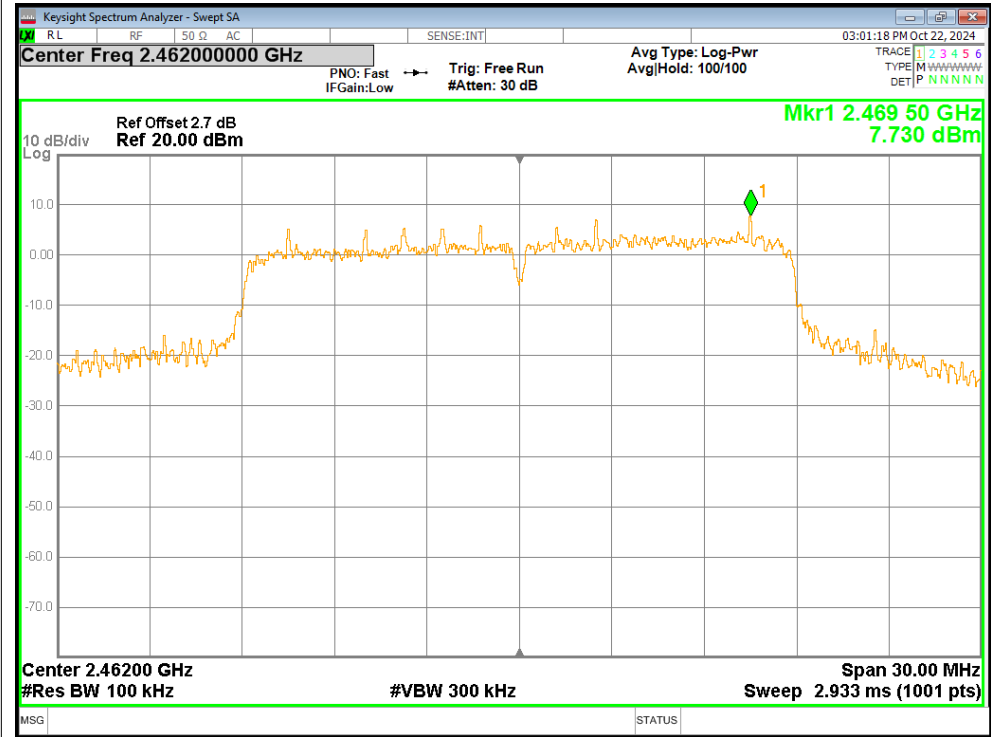
Band Edge NVNT n20 2412MHz Ant1 Ref



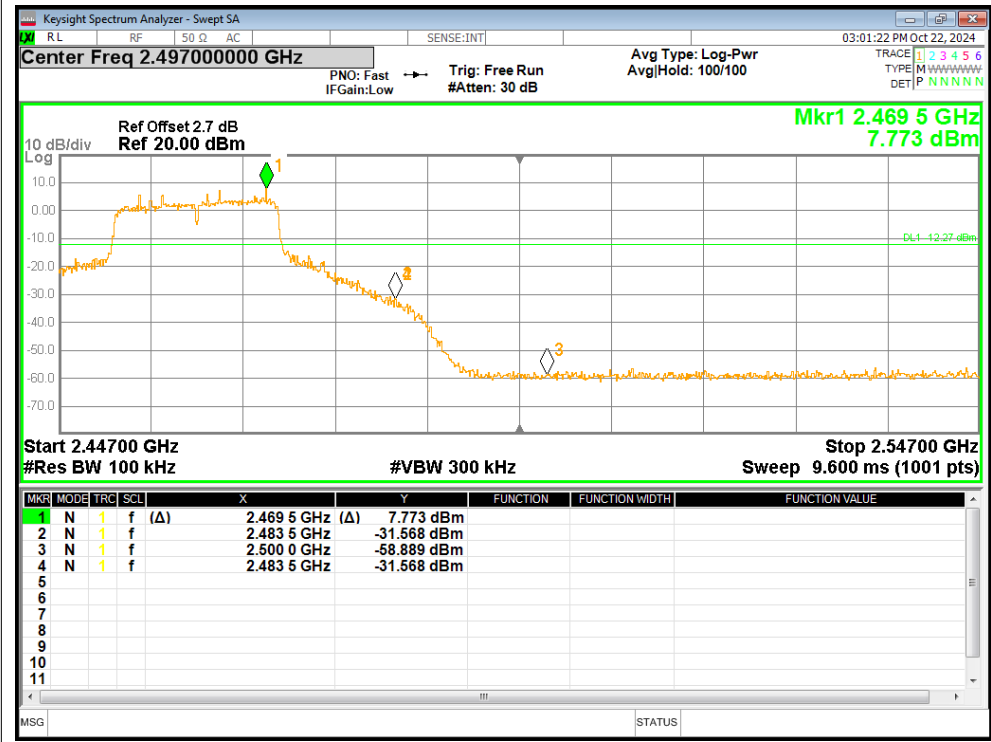
Band Edge NVNT n20 2412MHz Ant1 Emission



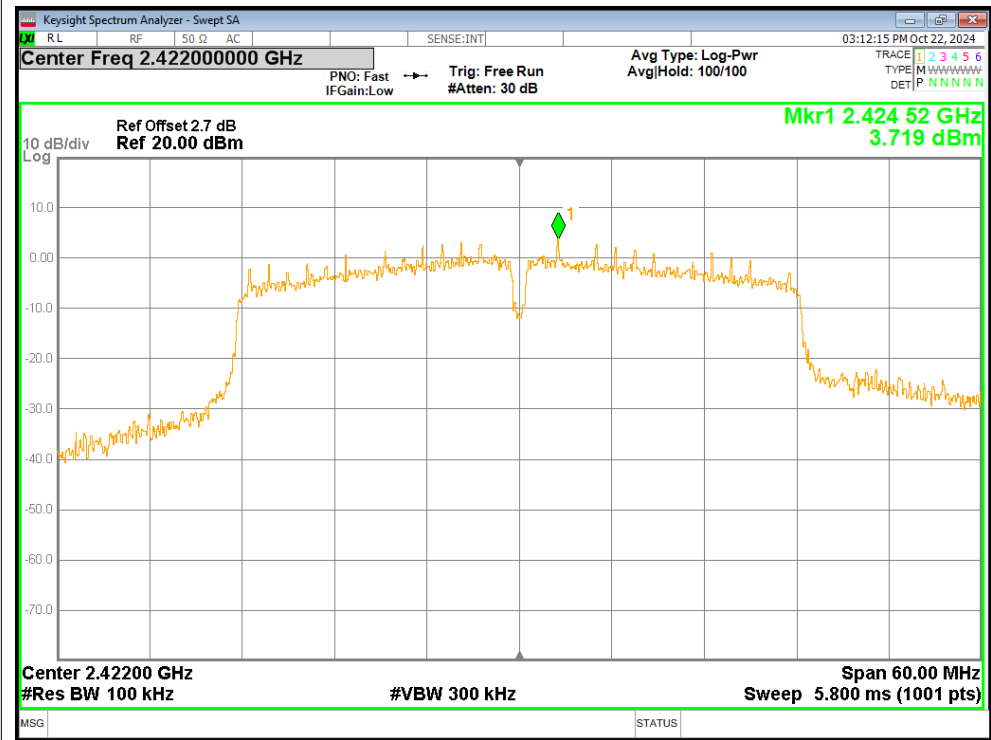
Band Edge NVNT n20 2462MHz Ant1 Ref



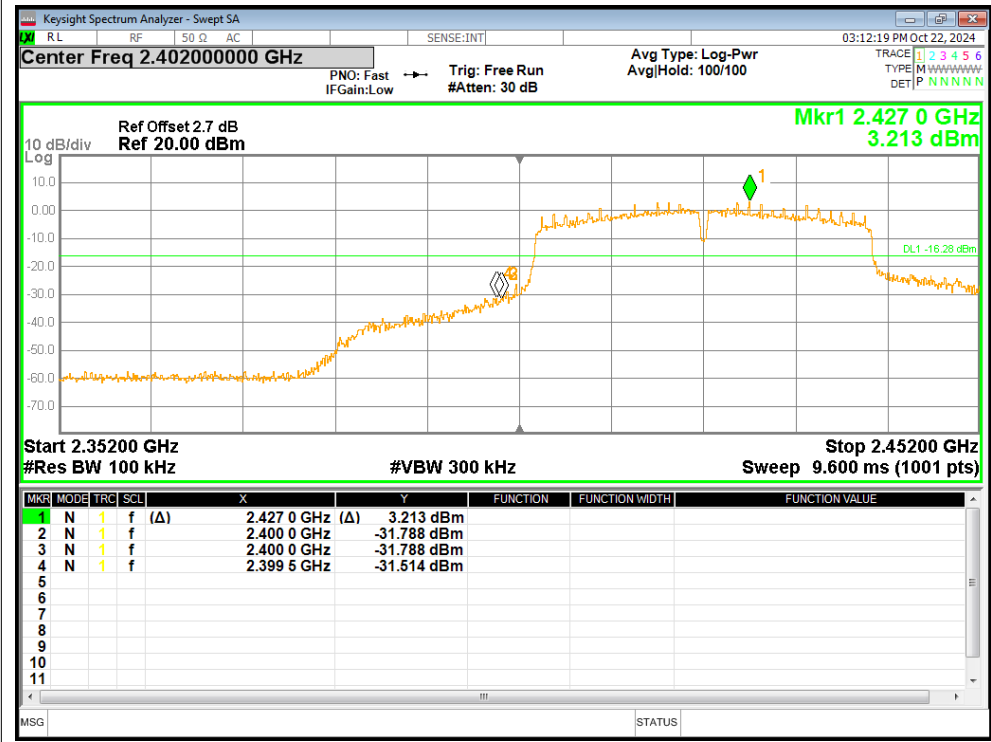
Band Edge NVNT n20 2462MHz Ant1 Emission



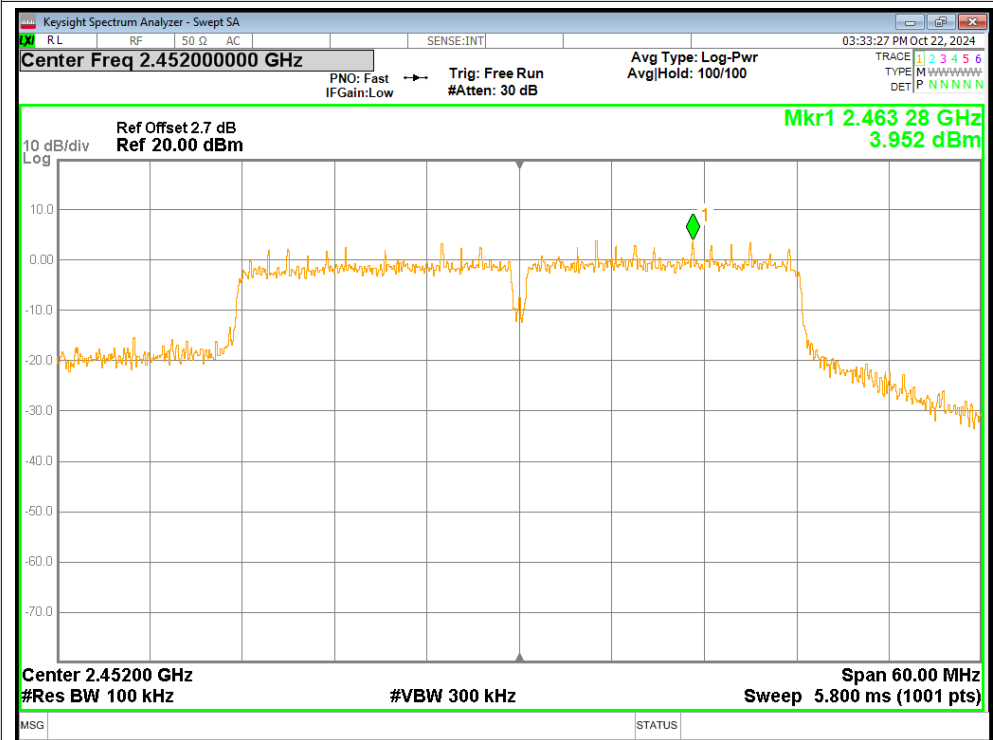
Band Edge NVNT n40 2422MHz Ant1 Ref



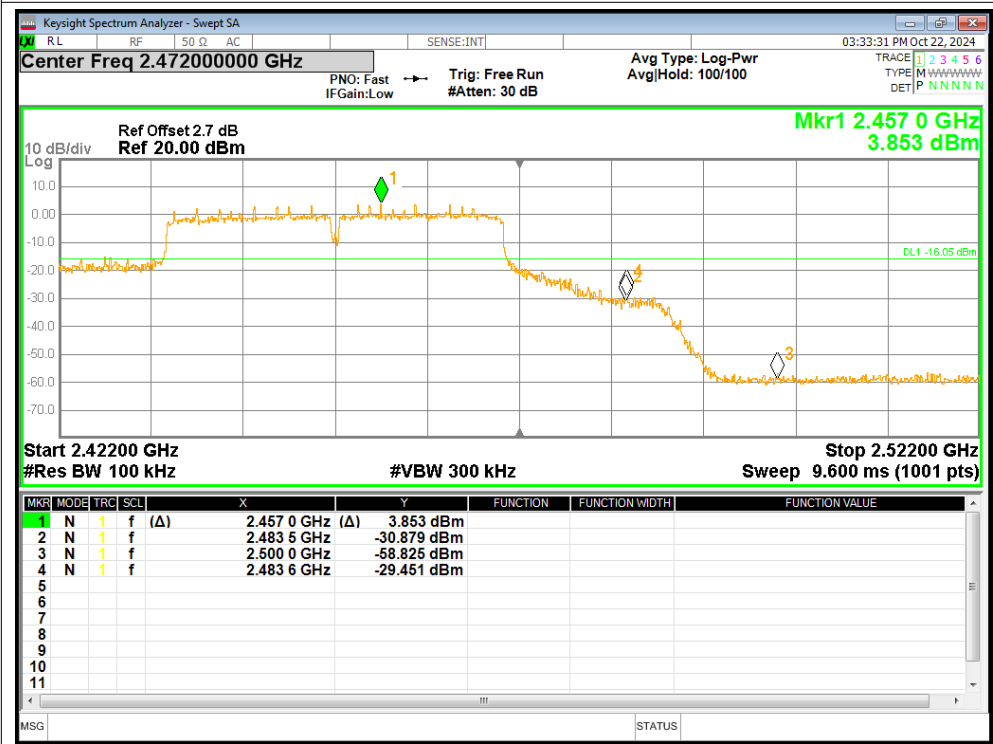
Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



Band Edge NVNT n40 2452MHz Ant1 Emission

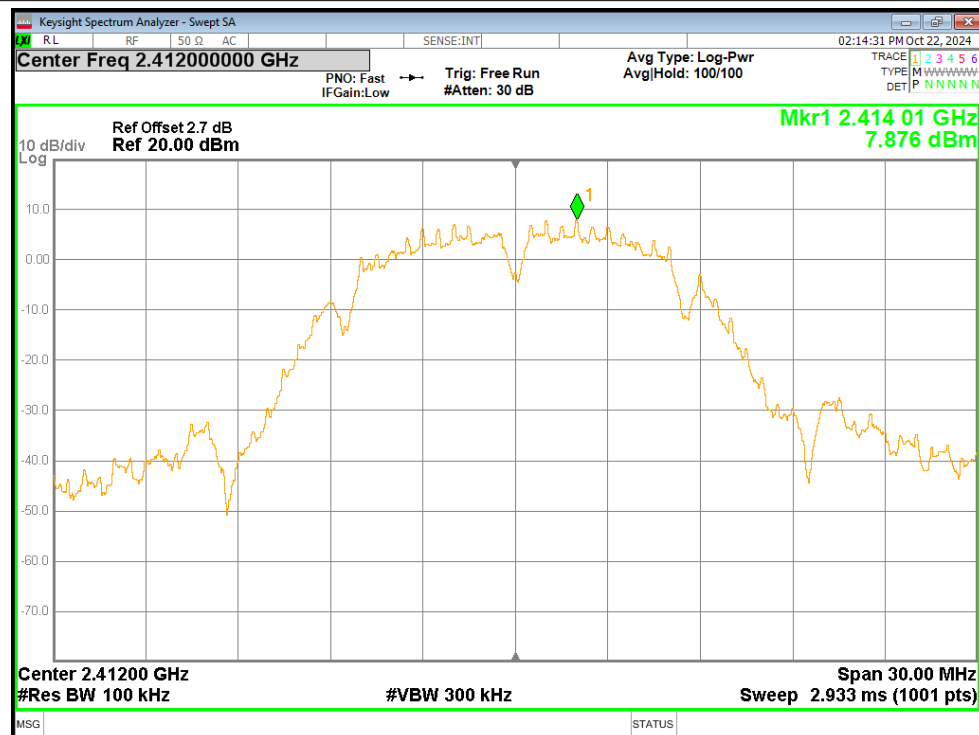


6. Conducted RF Spurious Emission

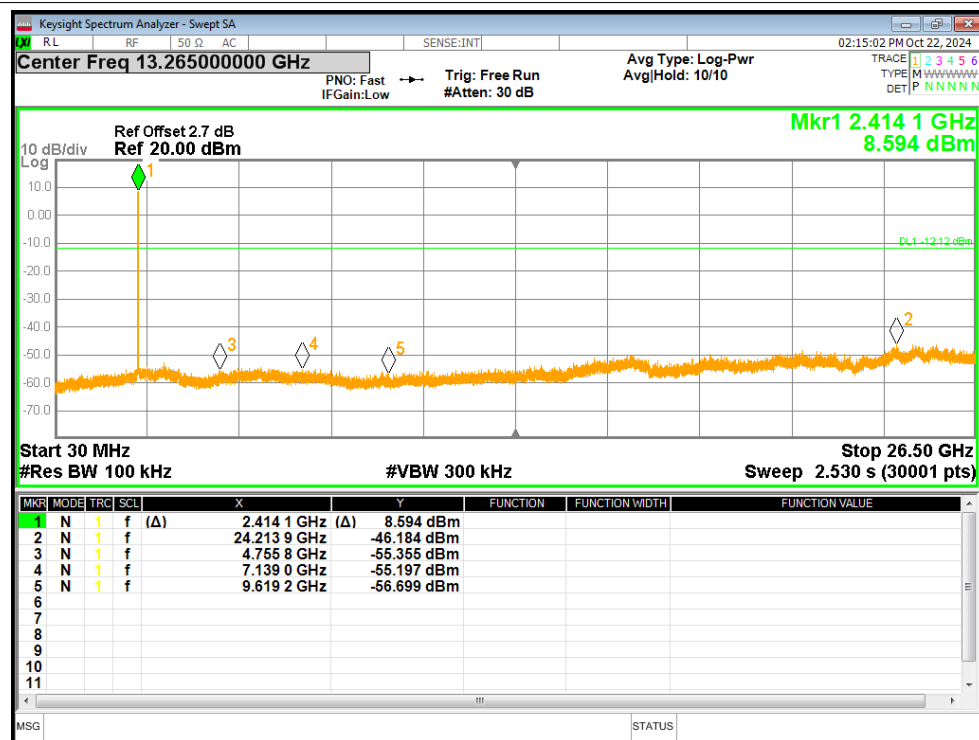
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	-54.06	-20	Pass
b	2437	-52.34	-20	Pass
b	2462	-54.13	-20	Pass
g	2412	-52.99	-20	Pass
g	2437	-50.5	-20	Pass
g	2462	-52.88	-20	Pass
n20	2412	-53.14	-20	Pass
n20	2437	-51.8	-20	Pass
n20	2462	-53.07	-20	Pass
n40	2422	-49.81	-20	Pass
n40	2437	-48.96	-20	Pass
n40	2452	-50.11	-20	Pass

Test Graphs

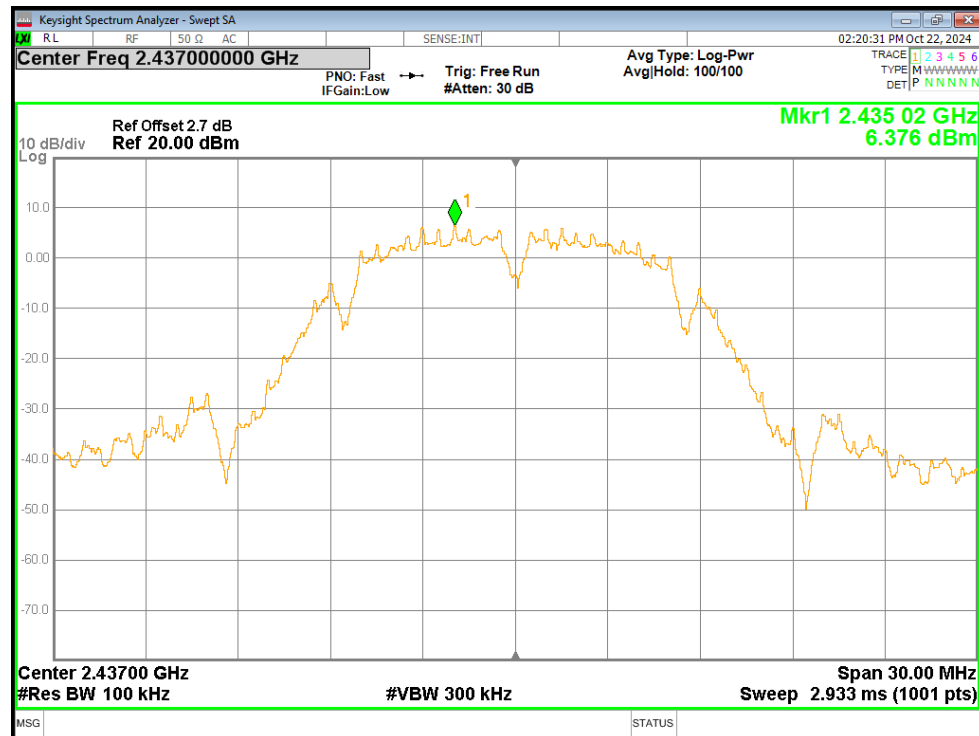
Tx. Spurious NVNT b 2412MHz Ant1 Ref



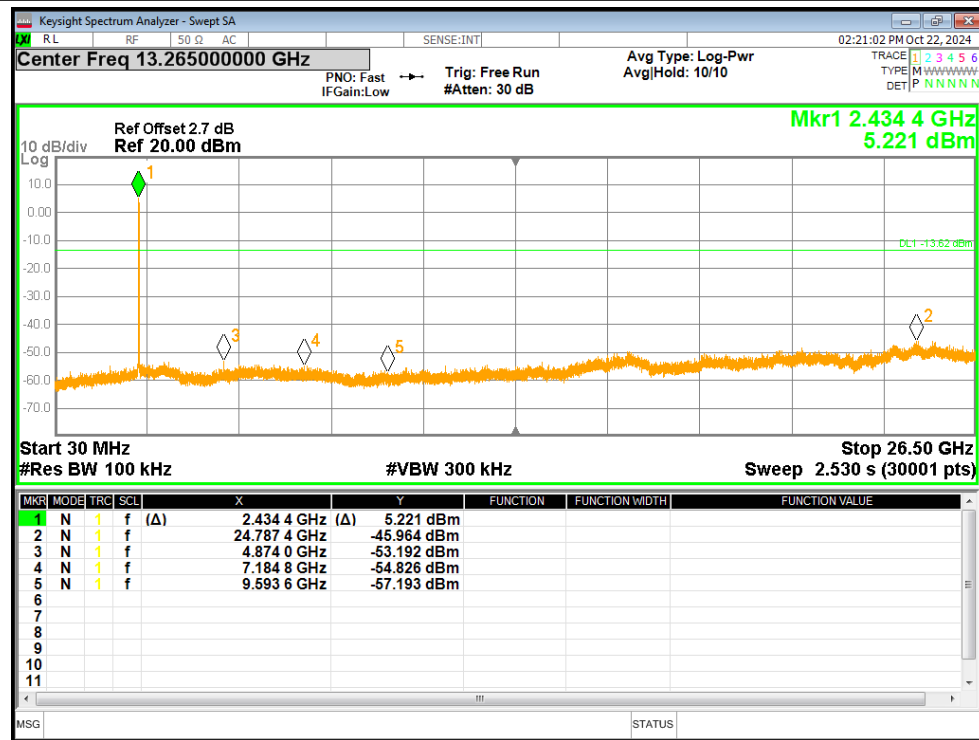
Tx. Spurious NVNT b 2412MHz Ant1 Emission



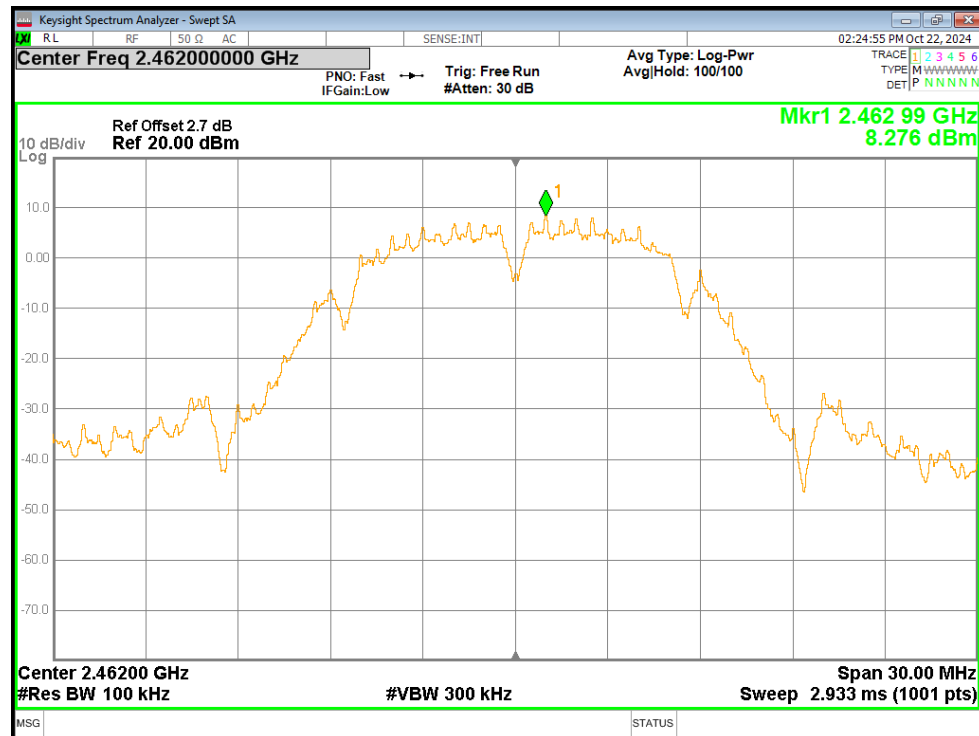
Tx. Spurious NVNT b 2437MHz Ant1 Ref



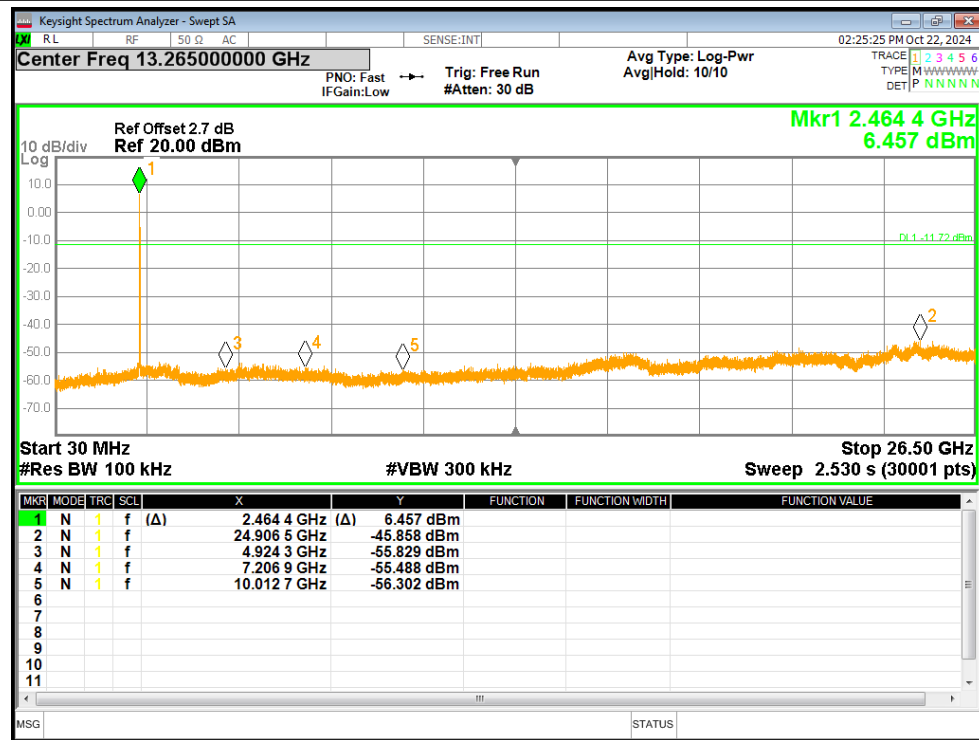
Tx. Spurious NVNT b 2437MHz Ant1 Emission



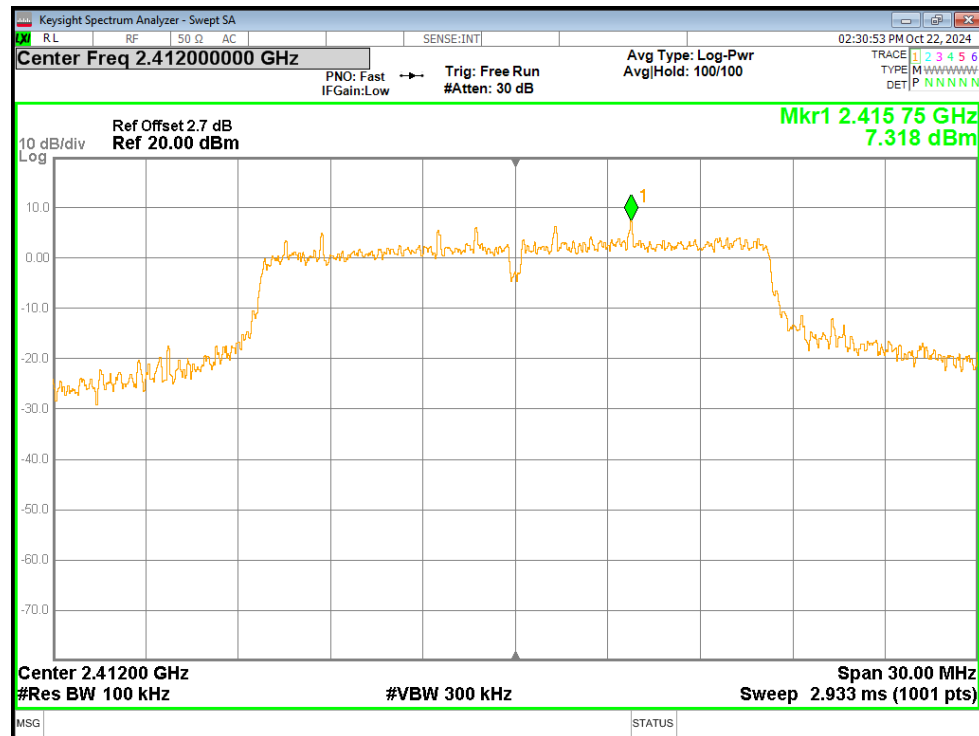
Tx. Spurious NVNT b 2462MHz Ant1 Ref



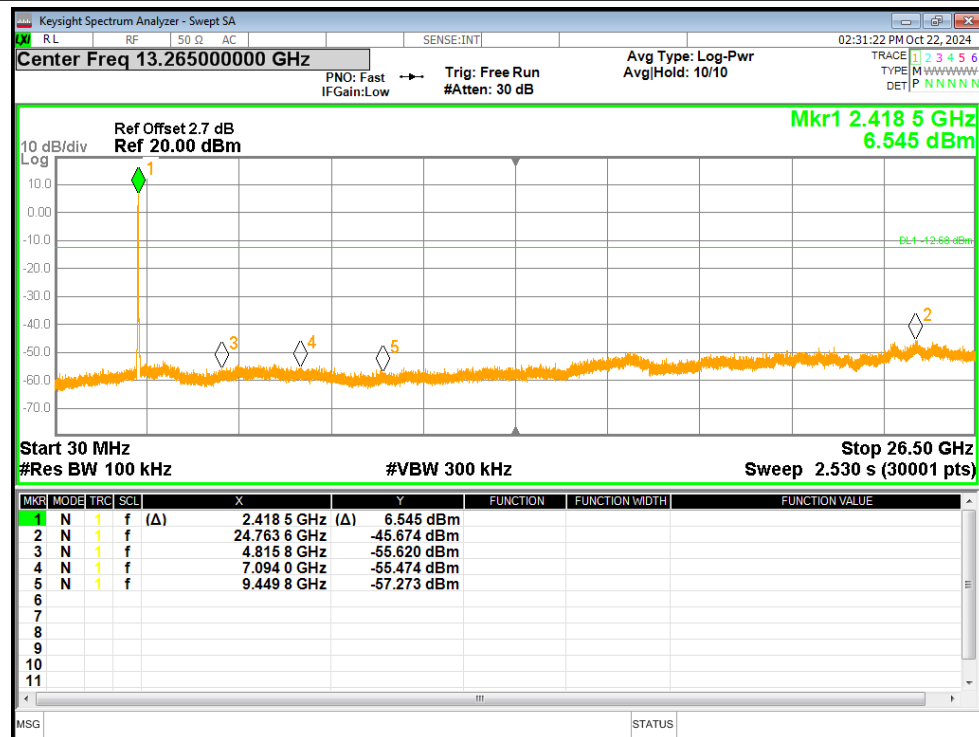
Tx. Spurious NVNT b 2462MHz Ant1 Emission



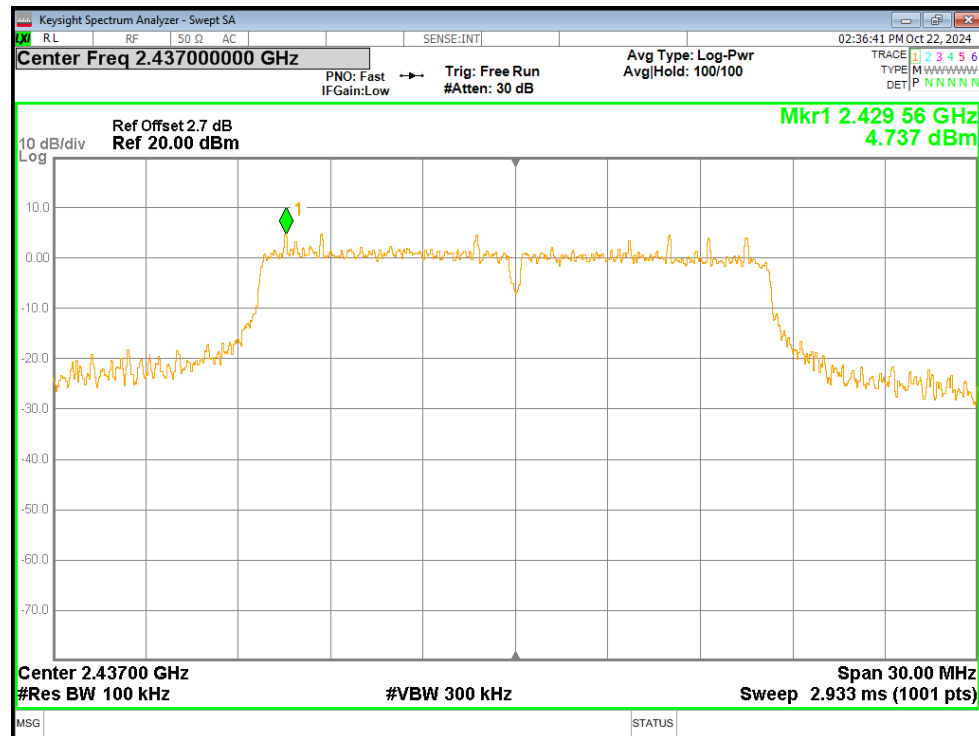
Tx. Spurious NVNT g 2412MHz Ant1 Ref



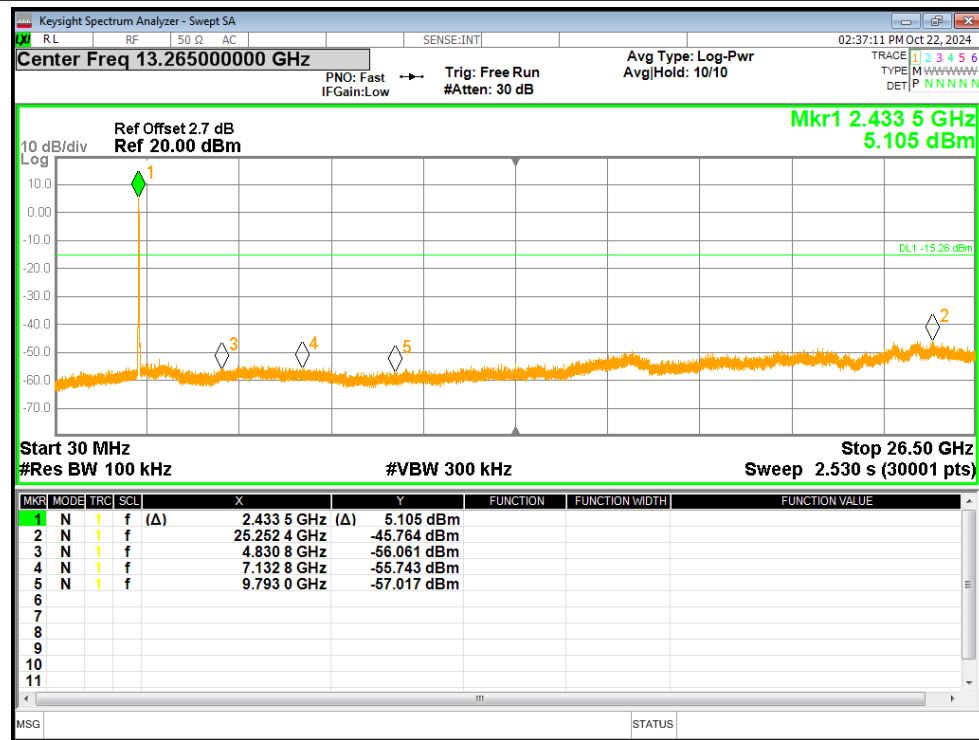
Tx. Spurious NVNT g 2412MHz Ant1 Emission



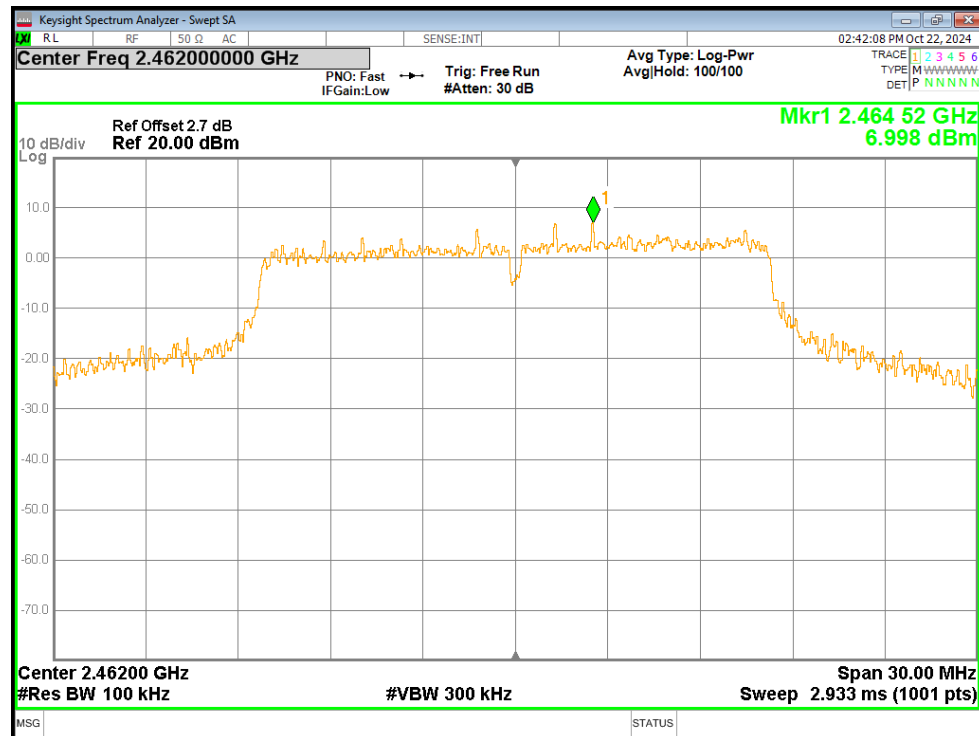
Tx. Spurious NVNT g 2437MHz Ant1 Ref



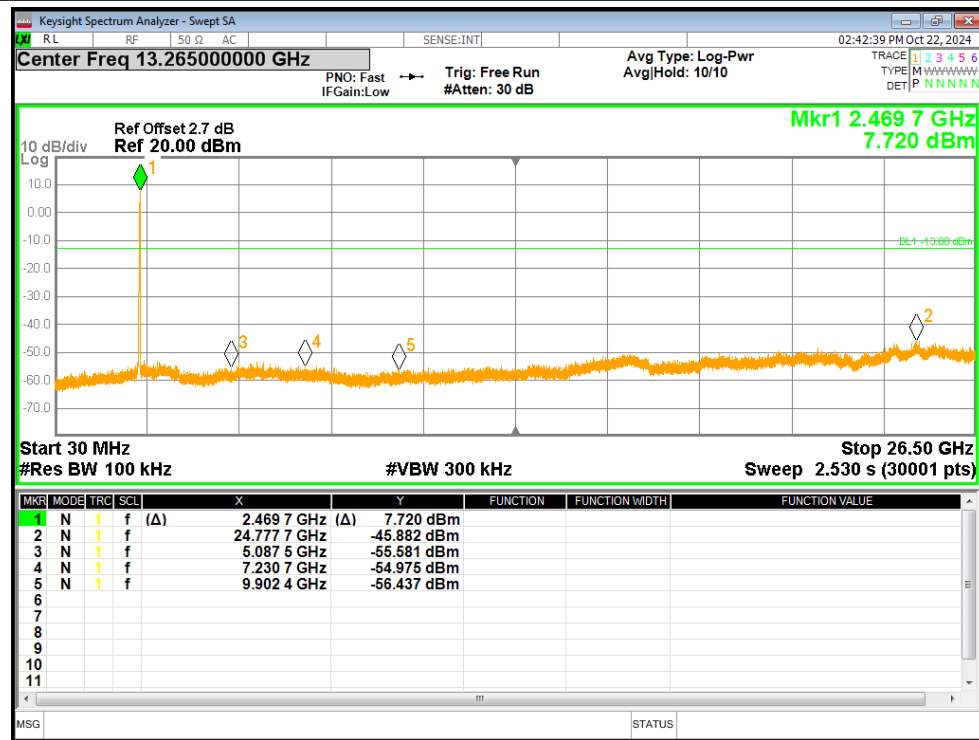
Tx. Spurious NVNT g 2437MHz Ant1 Emission



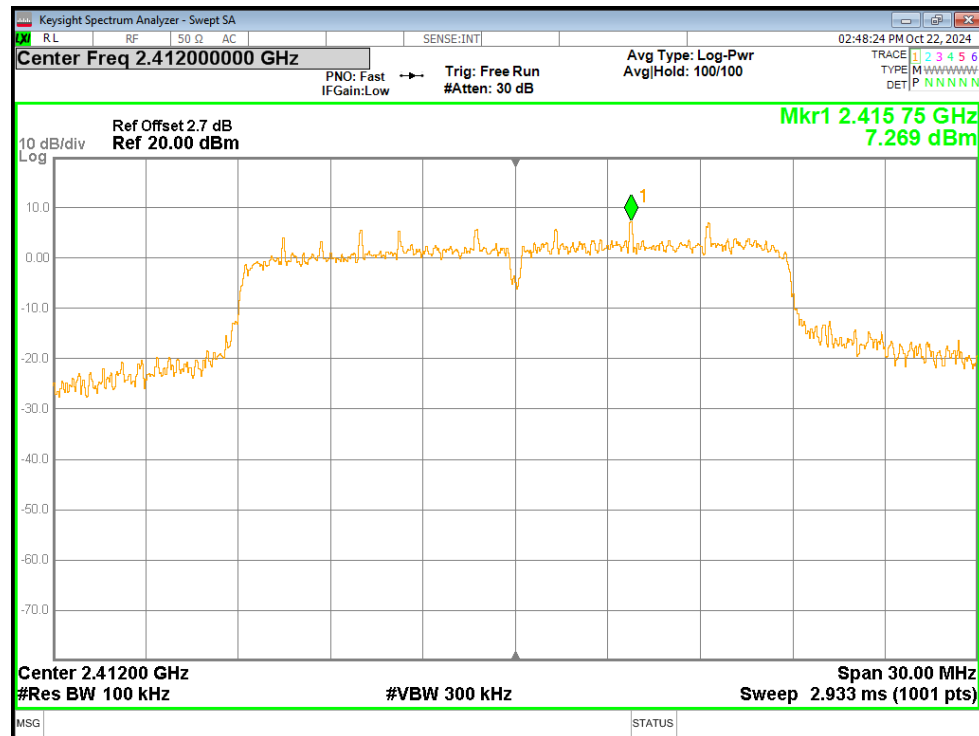
Tx. Spurious NVNT g 2462MHz Ant1 Ref



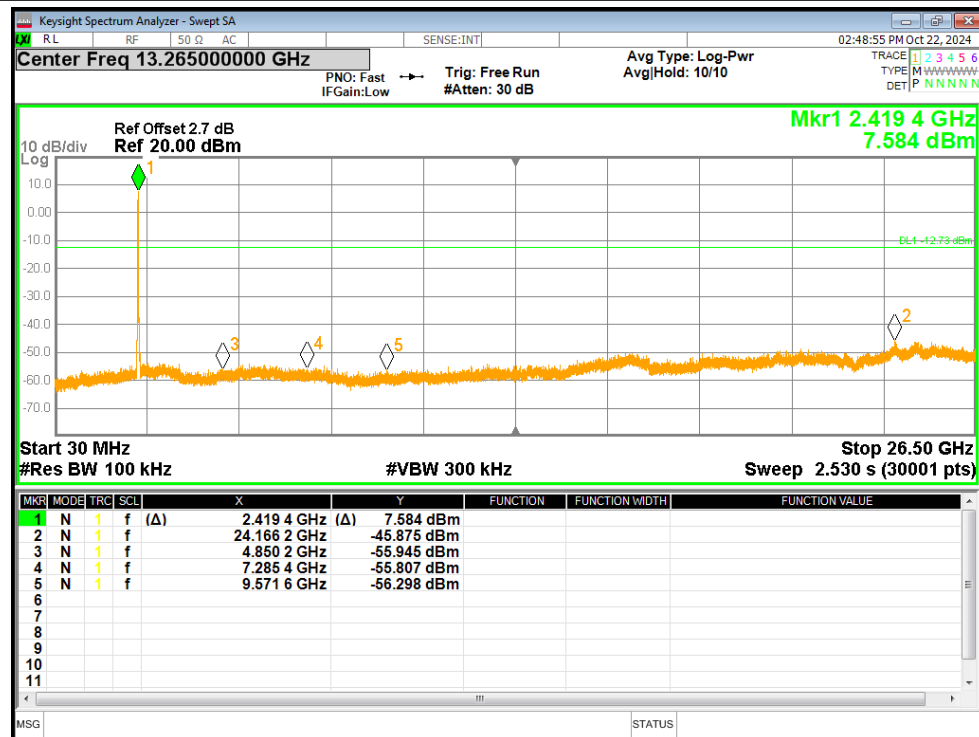
Tx. Spurious NVNT g 2462MHz Ant1 Emission



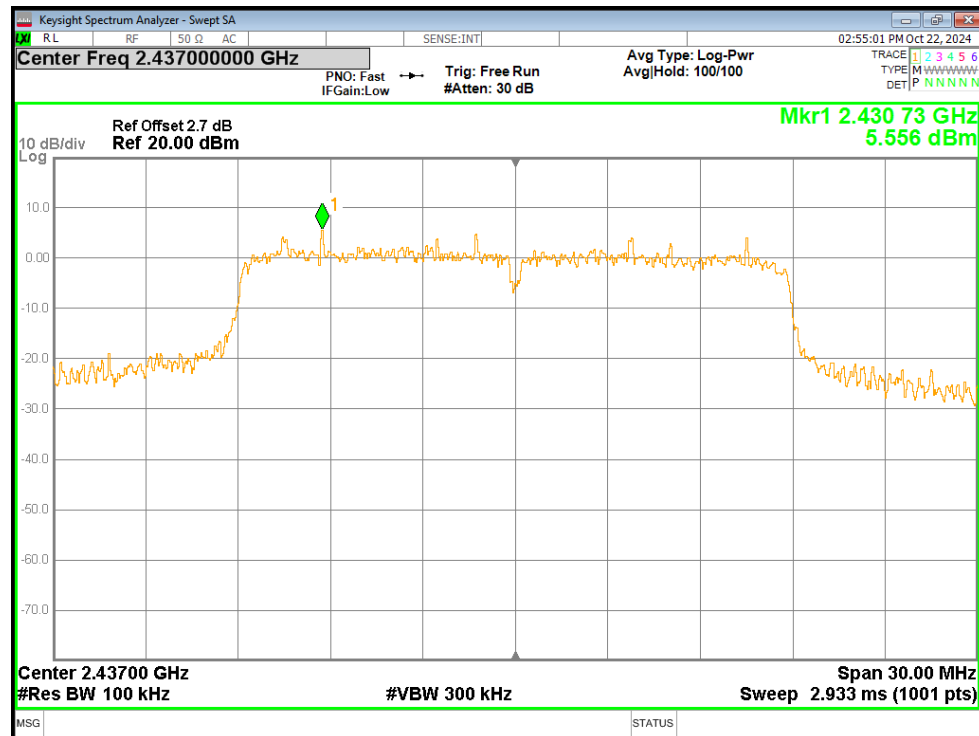
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



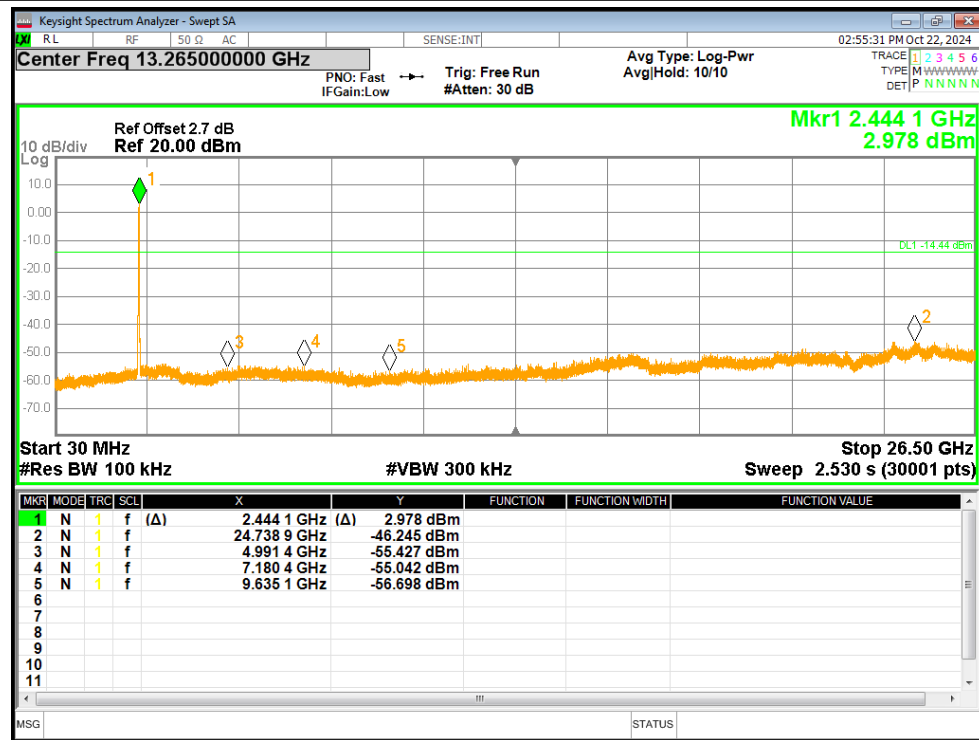
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



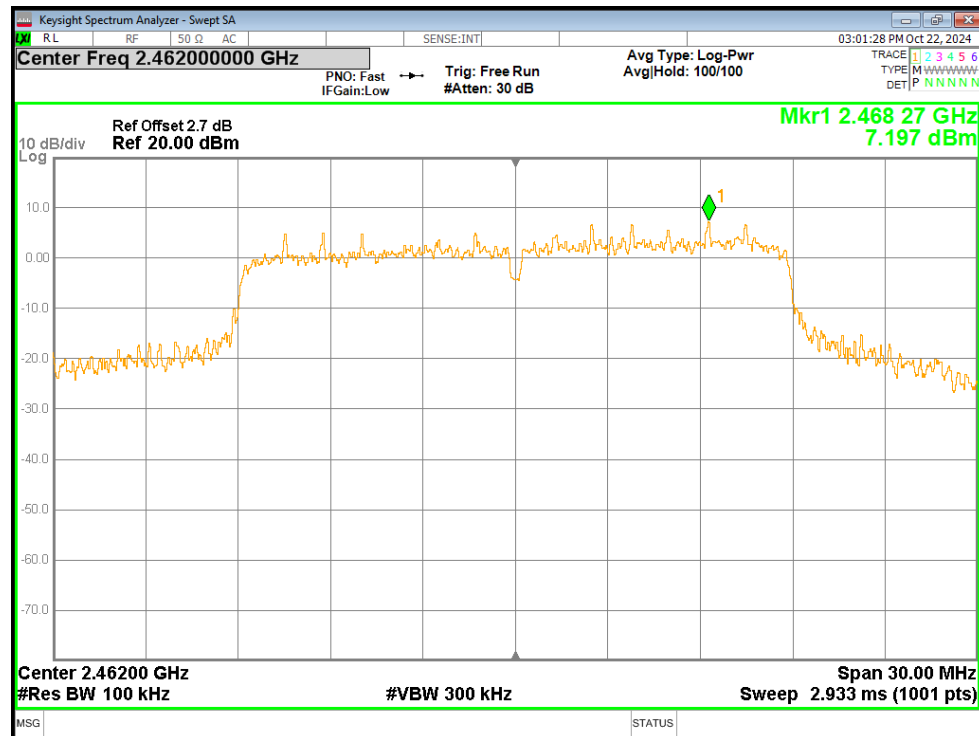
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



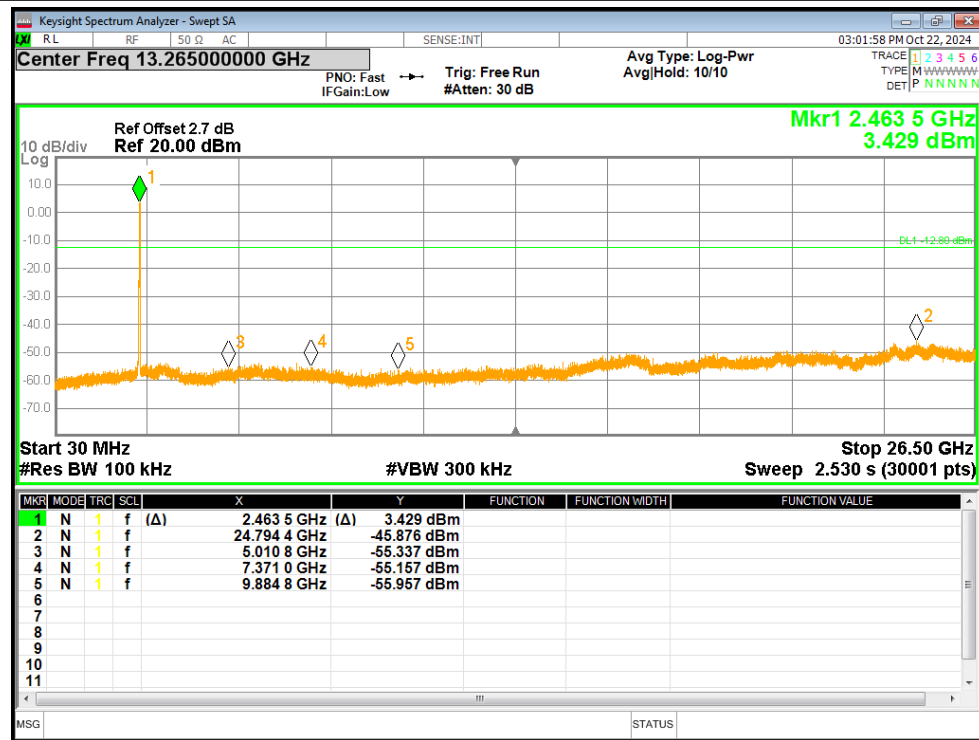
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



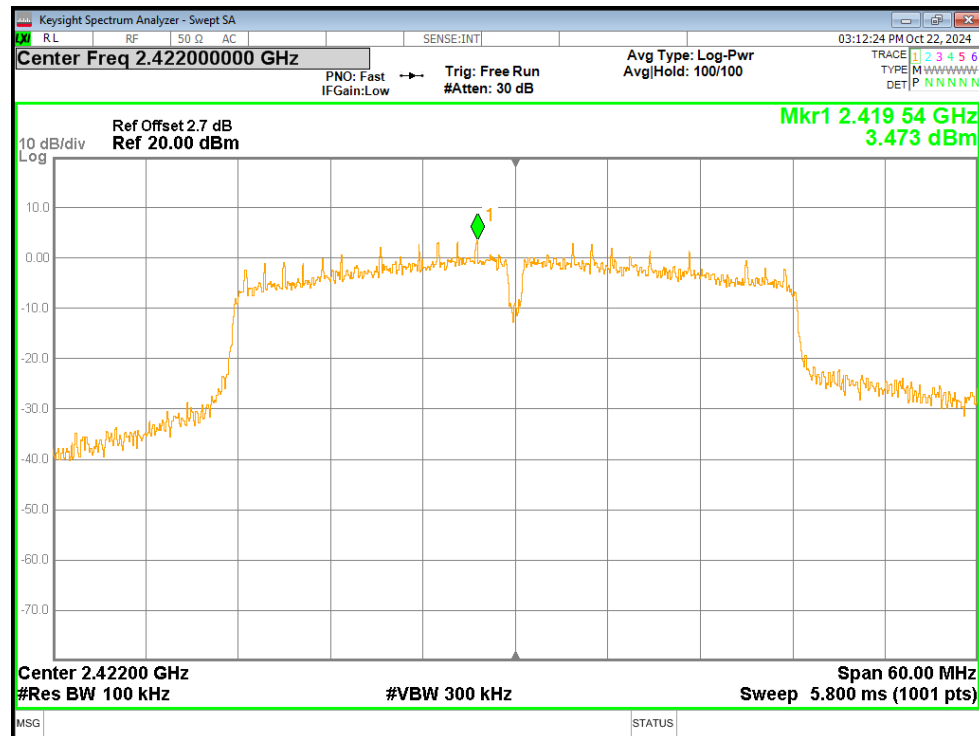
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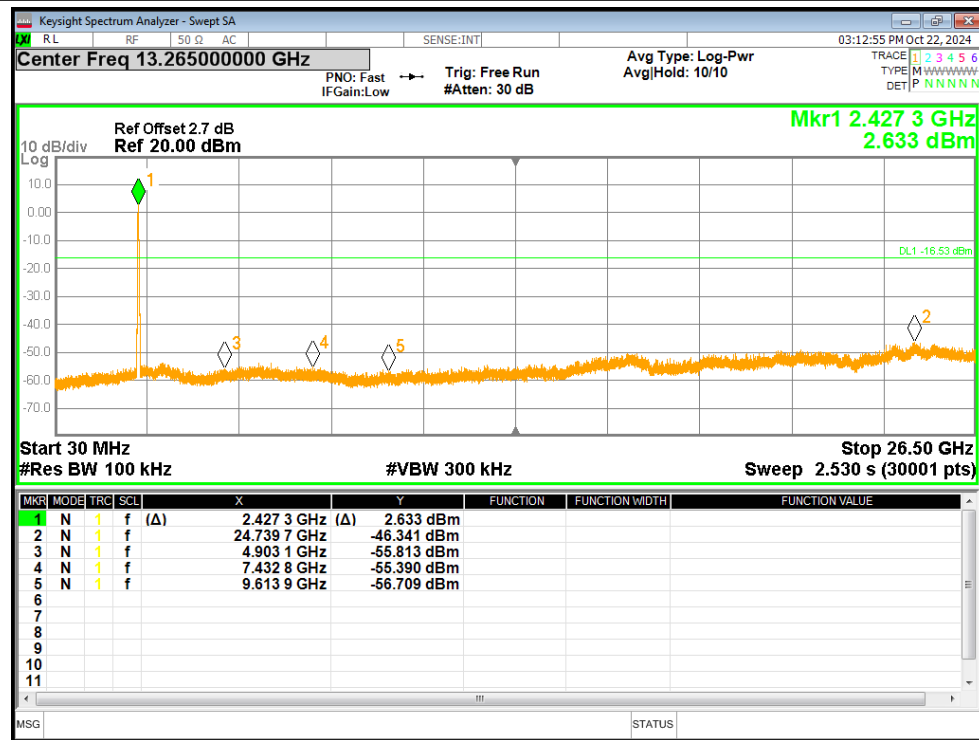
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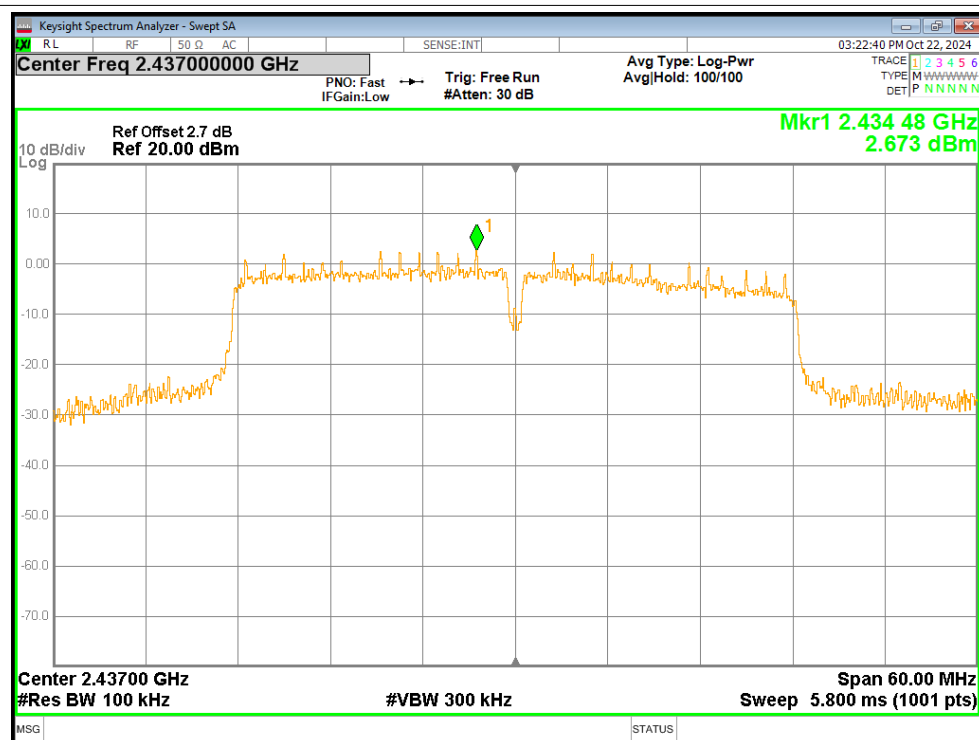
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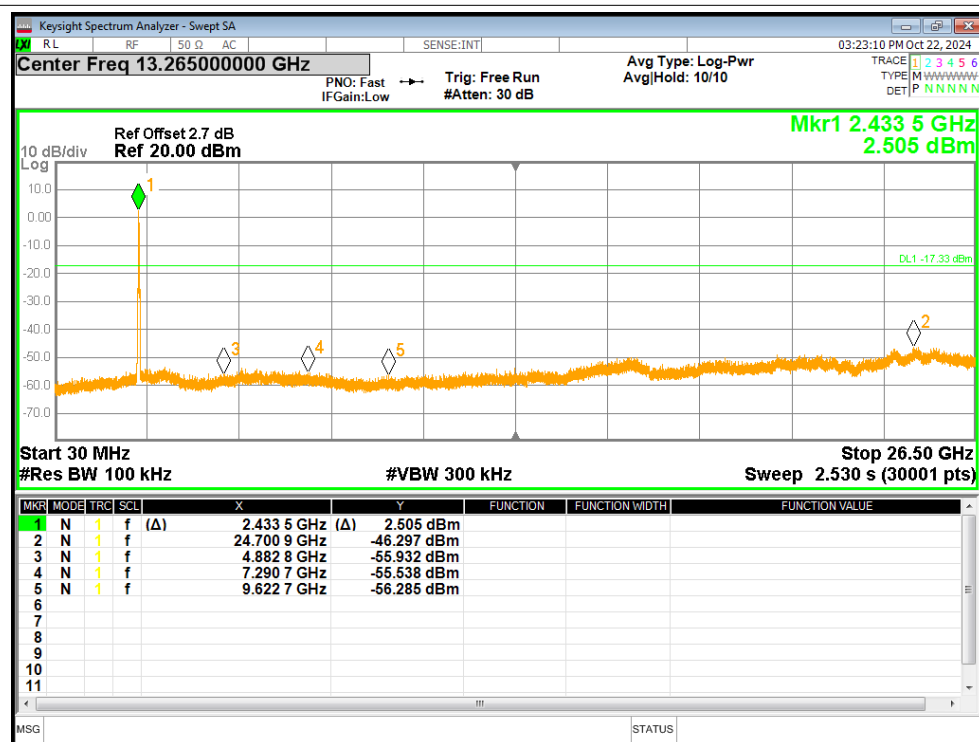
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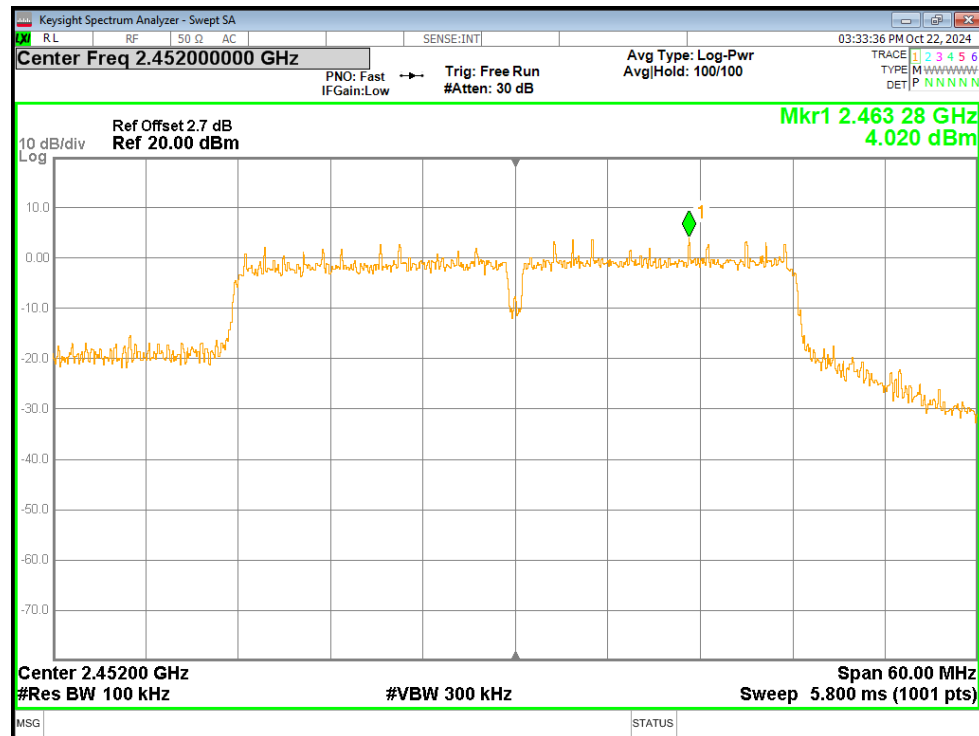
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission

