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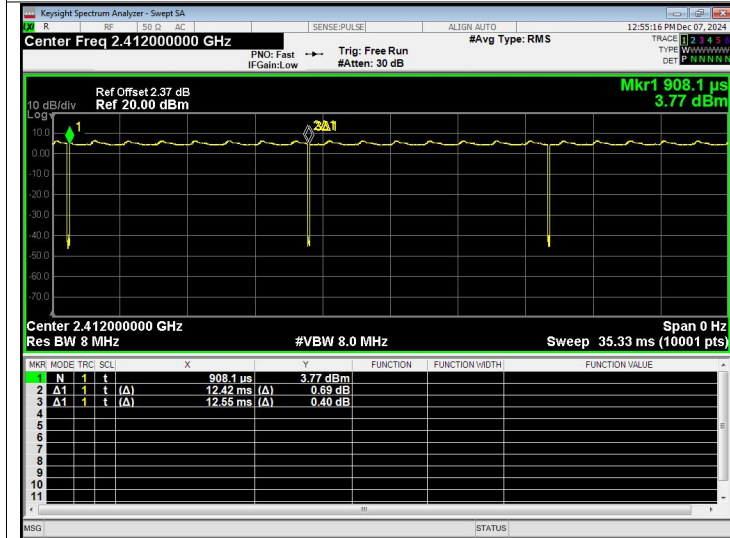
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Duty Cycle

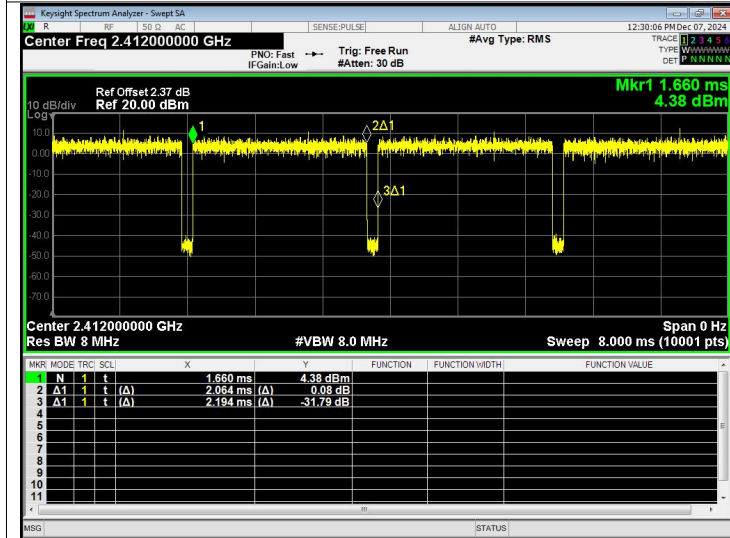
Mode	Frequency (MHz)	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)	Final settingFor VBW (kHz)
b	2412	12.42	12.55	98.96	0	0.08	1
g	2412	2.06	2.19	94.06	0.27	0.48	1
n20	2412	1.92	2.05	93.66	0.28	0.52	1
n40	2422	0.94	1.07	87.85	0.56	1.06	1

Test Graphs

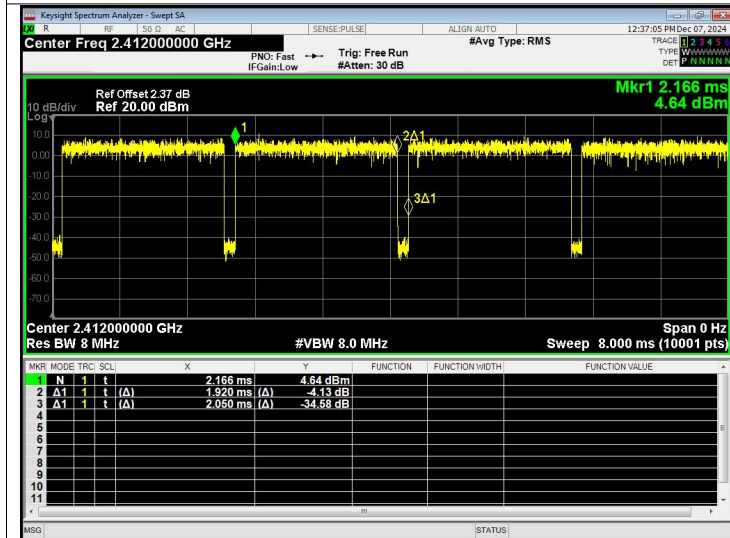
Duty Cycle NVNT b 2412MHz



Duty Cycle NVNT g 2412MHz



Duty Cycle NVNT n20 2412MHz



Keysight Spectrum Analyzer - Swept SA

Center Freq 2.422000000 GHz

Ref Offset 2.36 dB
Ref 20.00 dBm

PN1: Fast
IF Gain: Low

Trig: Free Run
#Atten: 30 dB

#Avg Type: RMS

12:45:21 PM Dec 07, 2024

Trace 1: 2.422000000 GHz

Type: WWWWWWWWWW

Def: 10000000

Mkr1 580.5 μ s
-4.91 dBm

Center 2.422000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz
Sweep 5.000 ms (10001 pts)
Span 0 Hz

MNR	MODE	TRC	SCN	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	580.5 μ s	-4.91 dBm			
2	Δ 1	1	t	944.6 μ s	-12.68 dB			
3	Δ 1	1	t	1.074 ms	-1.71 dB			

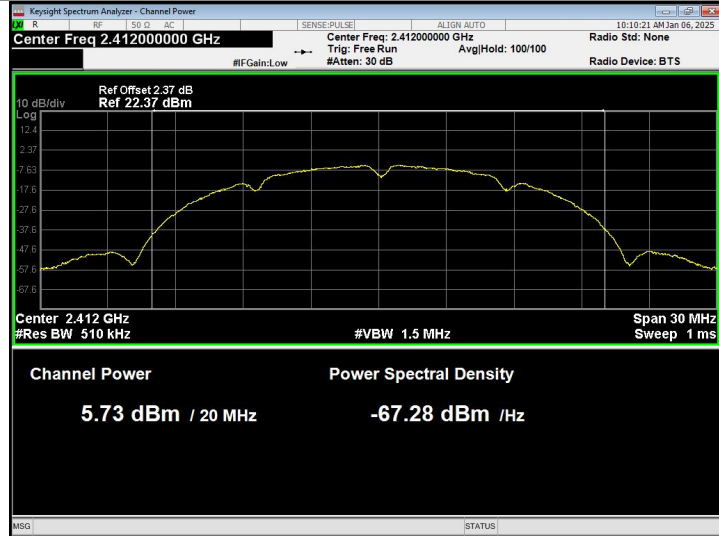
MSG (STATUS)

Average Output Power

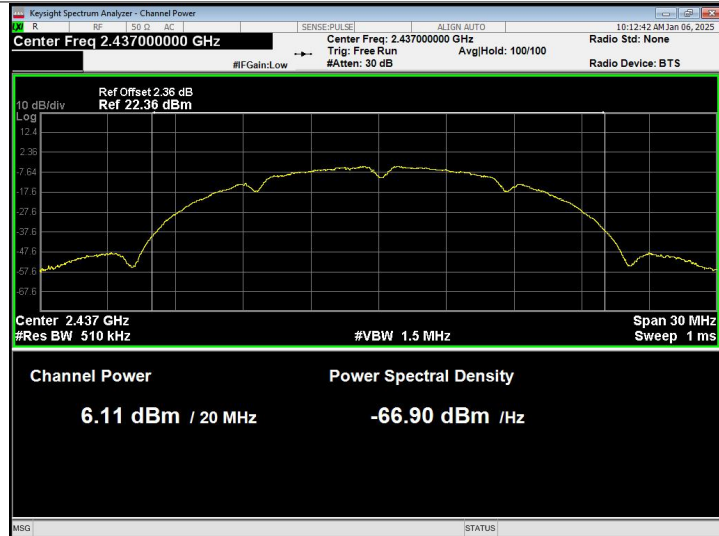
Mode	Frequency (MHz)	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
b	2412	5.728	0	5.728	30	Pass
b	2437	6.107	0	6.107	30	Pass
b	2462	6.216	0	6.216	30	Pass
g	2412	6.968	0.27	7.238	30	Pass
g	2437	7.151	0.27	7.421	30	Pass
g	2462	7.1	0.27	7.370	30	Pass
n20	2412	7.407	0.28	7.687	30	Pass
n20	2437	7.519	0.28	7.799	30	Pass
n20	2462	7.252	0.28	7.532	30	Pass
n40	2422	7.228	0.56	7.788	30	Pass
n40	2437	7.087	0.56	7.647	30	Pass
n40	2452	7.2	0.56	7.760	30	Pass

Test Graphs

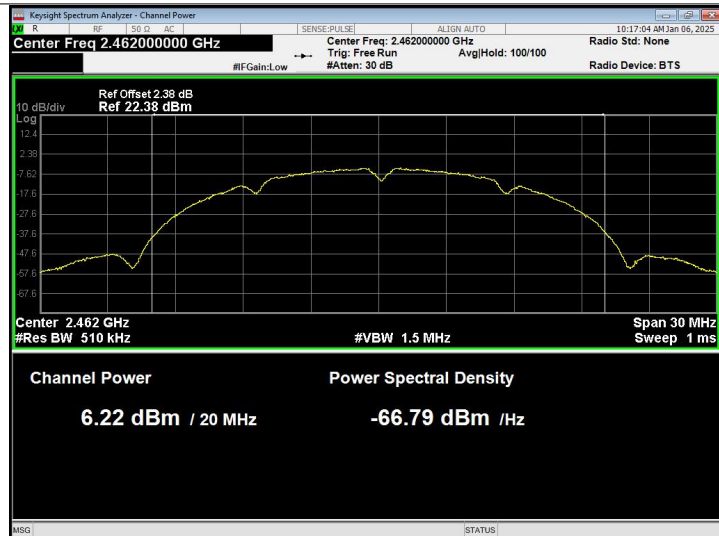
Power NVNT b 2412MHz



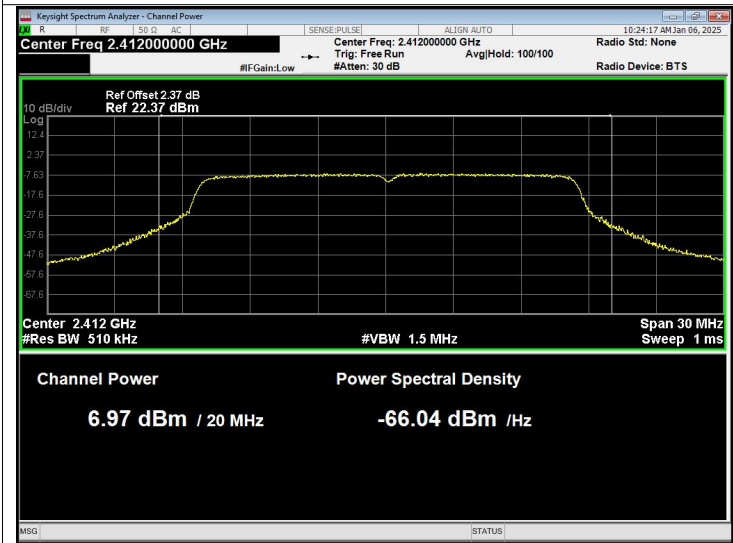
Power NVNT b 2437MHz



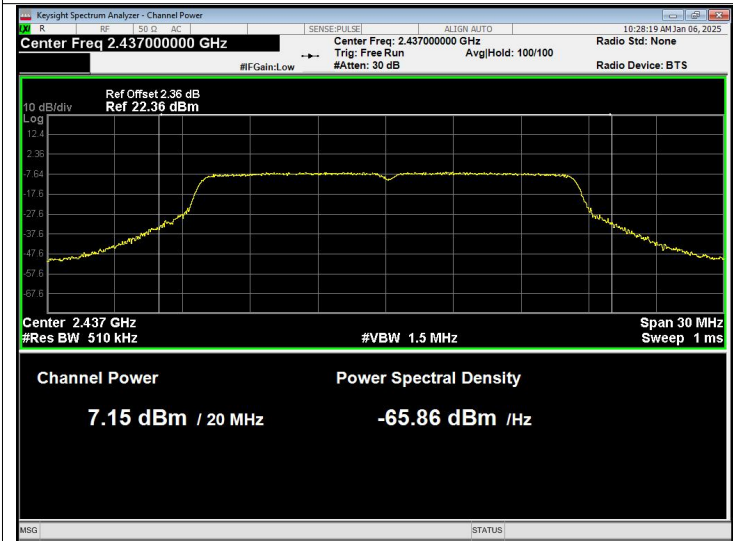
Power NVNT b 2462MHz



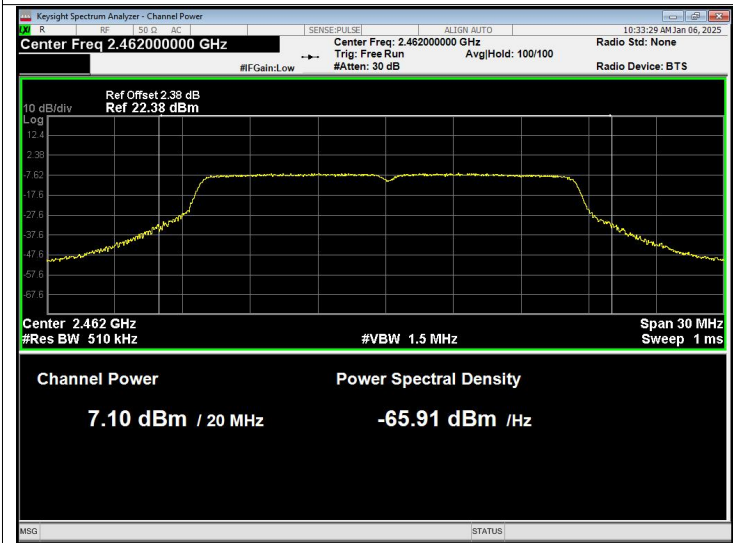
Power NVNT g 2412MHz



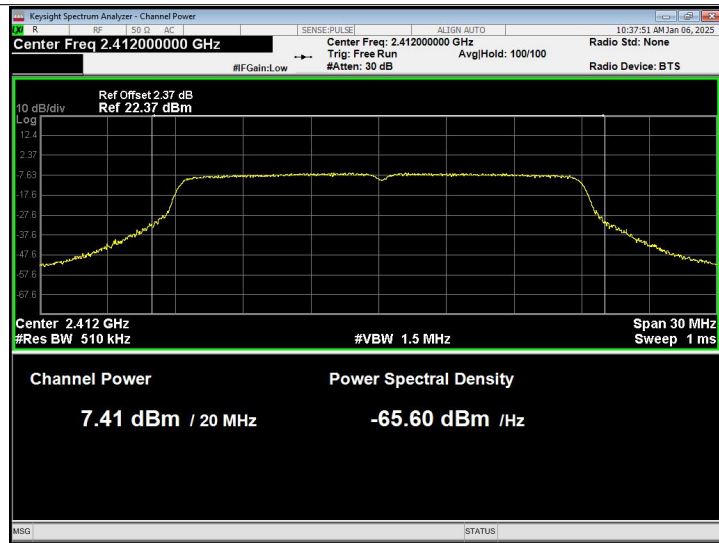
Power NVNT g 2437MHz



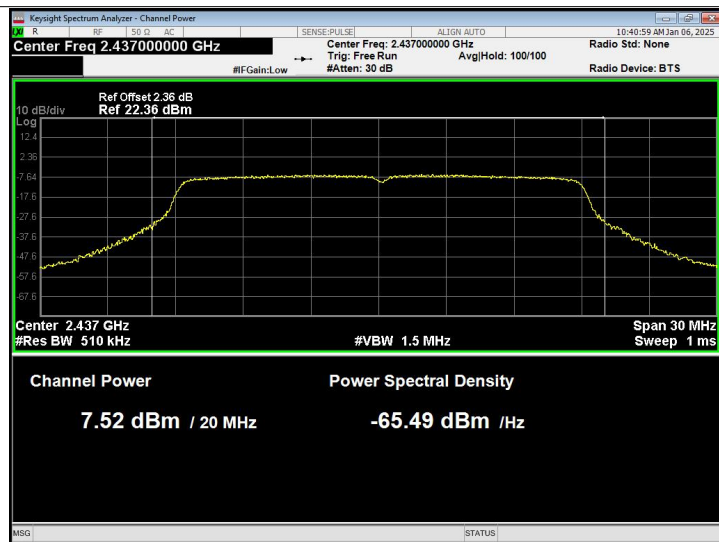
Power NVNT g 2462MHz



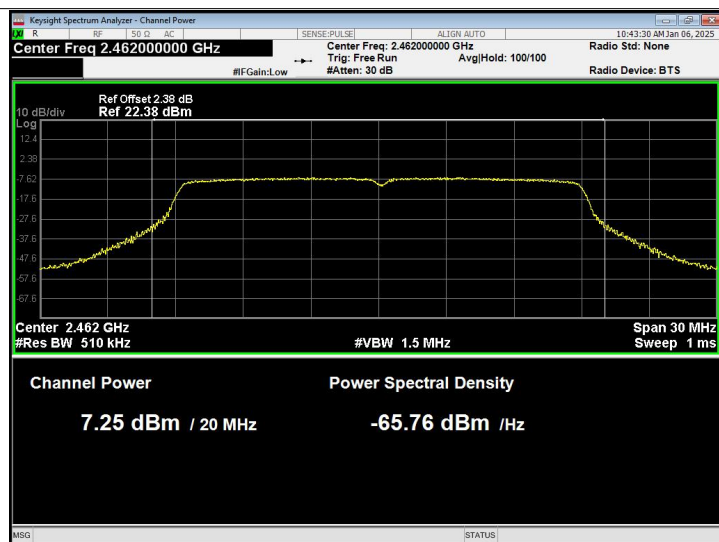
Power NVNT n20 2412MHz



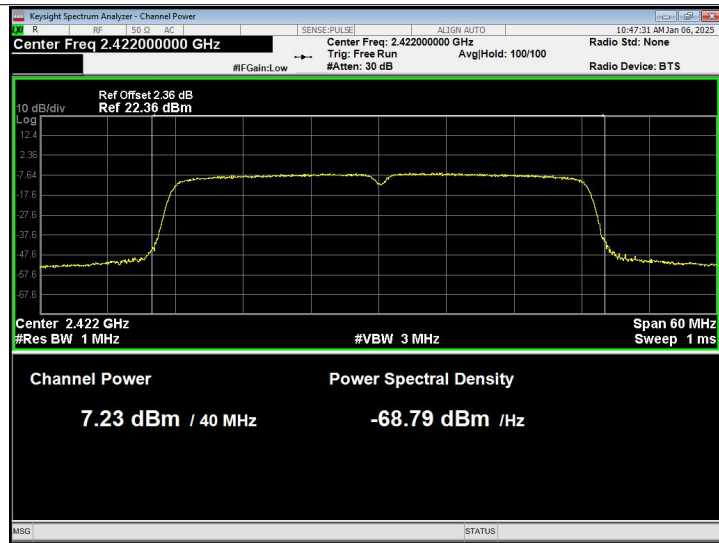
Power NVNT n20 2437MHz



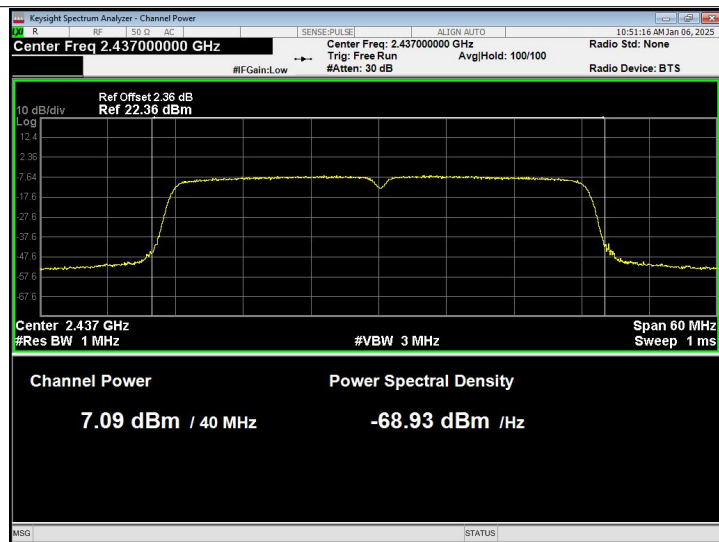
Power NVNT n20 2462MHz



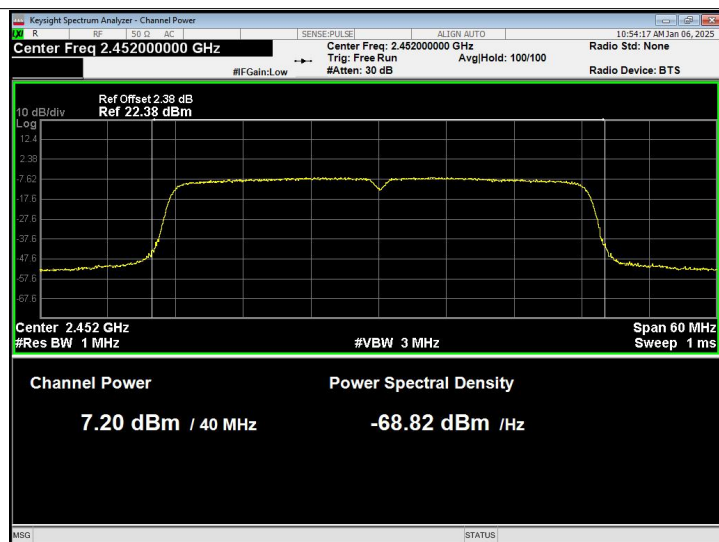
Power NVNT n40 2422MHz



Power NVNT n40 2437MHz



Power NVNT n40 2452MHz



-6dB Bandwidth

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	9.5	0.5	Pass
b	2437	9.557	0.5	Pass
b	2462	9.04	0.5	Pass
g	2412	16.304	0.5	Pass
g	2437	16.313	0.5	Pass
g	2462	16.325	0.5	Pass
n20	2412	17.096	0.5	Pass
n20	2437	17.529	0.5	Pass
n20	2462	17.543	0.5	Pass
n40	2422	35.309	0.5	Pass
n40	2437	35.01	0.5	Pass
n40	2452	35.112	0.5	Pass

Test Graphs

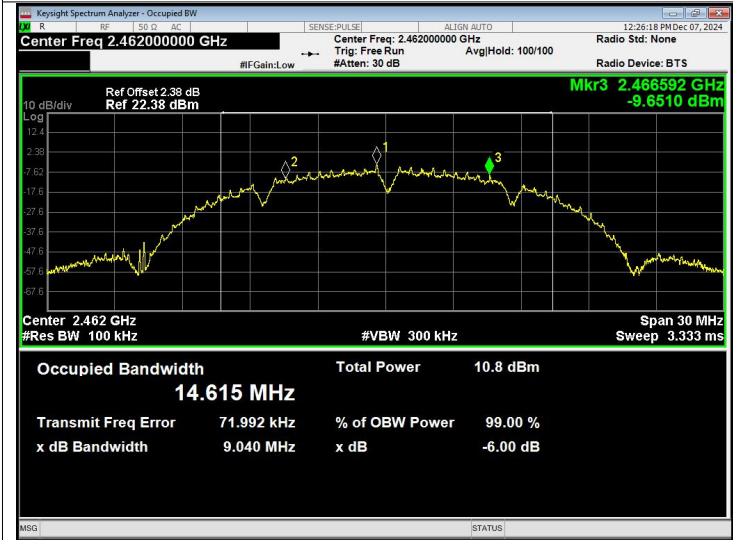
-6dB Bandwidth NVNT b 2412MHz



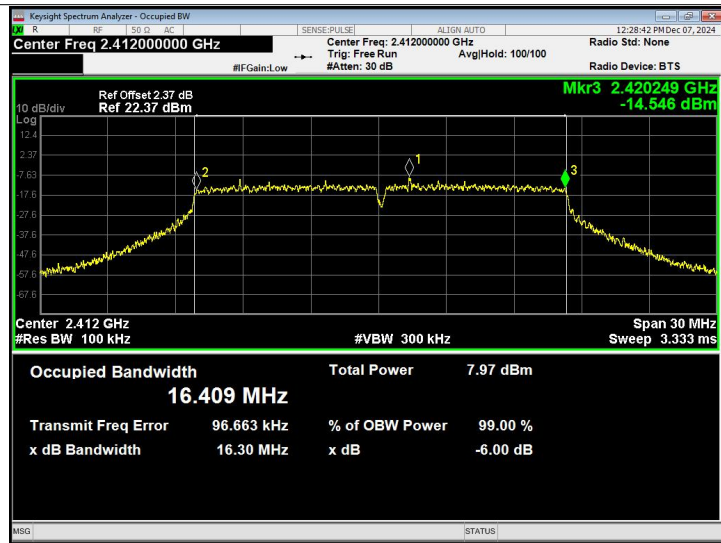
-6dB Bandwidth NVNT b 2437MHz



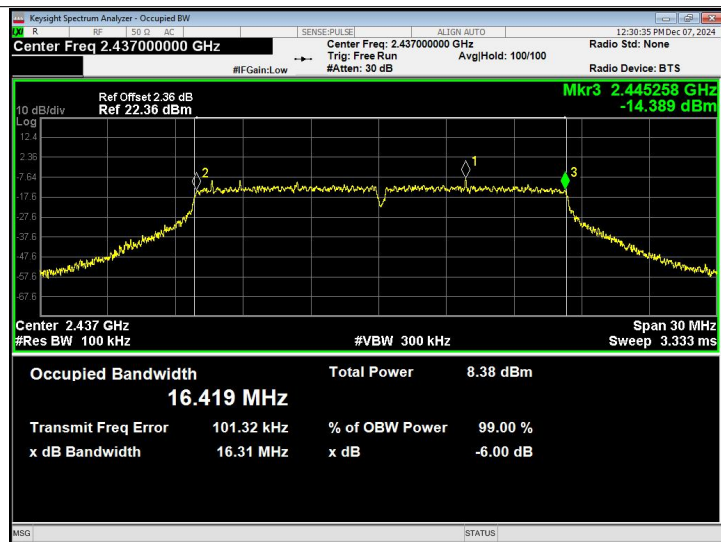
-6dB Bandwidth NVNT b 2462MHz



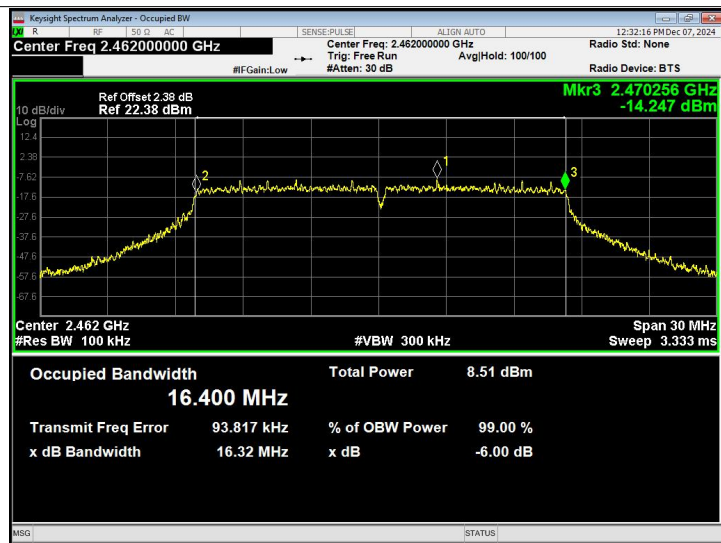
-6dB Bandwidth NVNT g 2412MHz



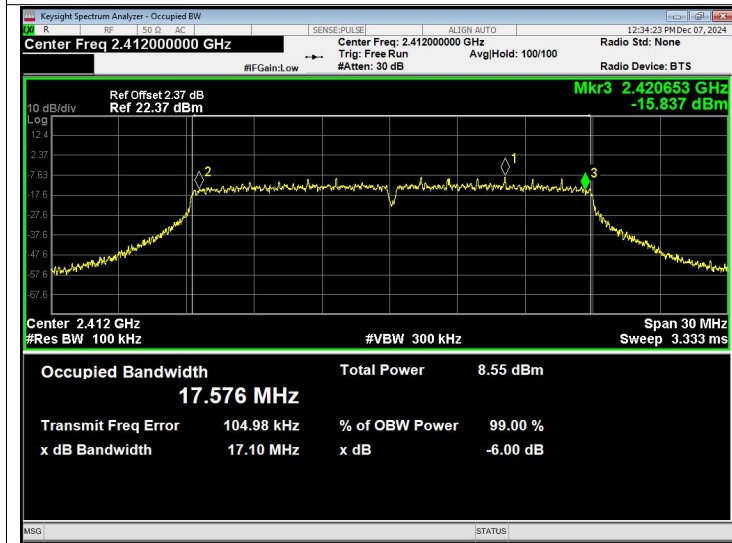
-6dB Bandwidth NVNT g 2437MHz



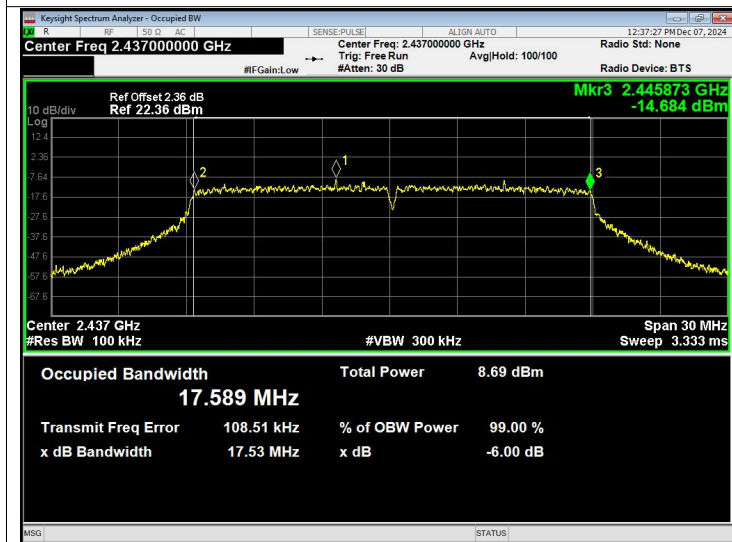
-6dB Bandwidth NVNT g 2462MHz



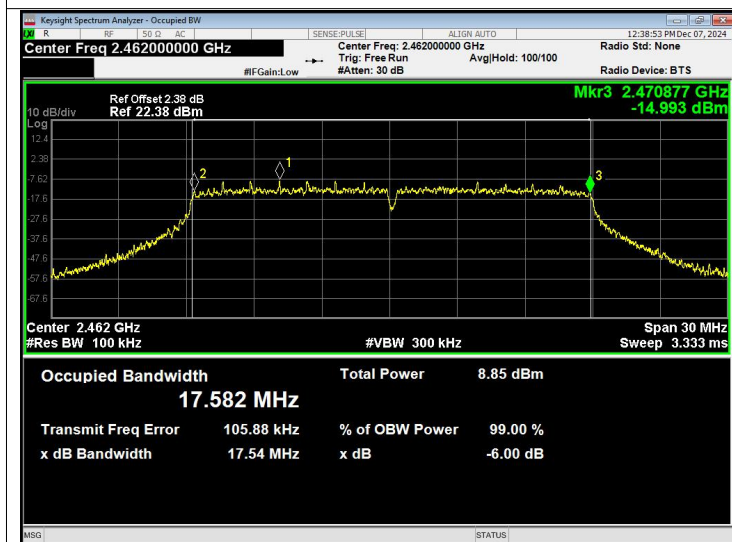
-6dB Bandwidth NVNT n20 2412MHz



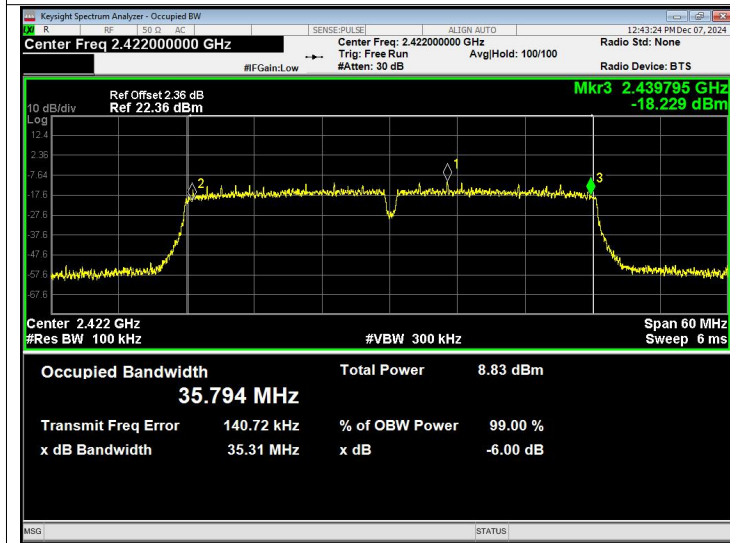
-6dB Bandwidth NVNT n20 2437MHz



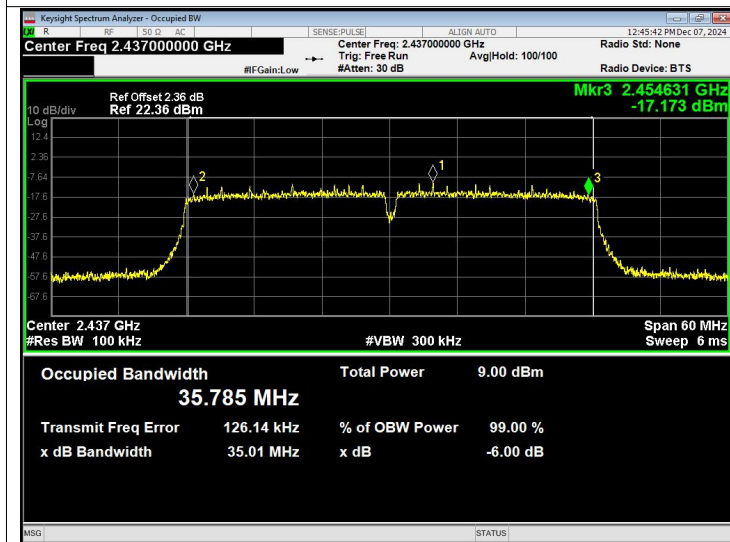
-6dB Bandwidth NVNT n20 2462MHz



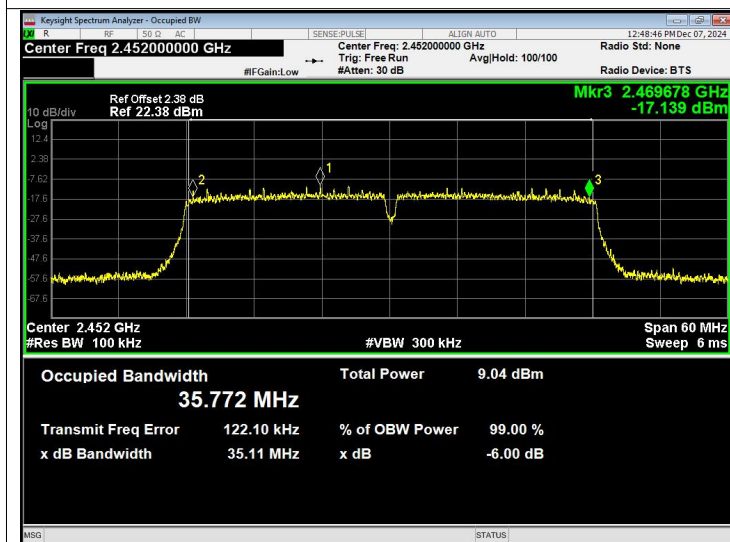
-6dB Bandwidth NVNT n40 2422MHz



-6dB Bandwidth NVNT n40 2437MHz



-6dB Bandwidth NVNT n40 2452MHz



Power Spectral Density Level

Mode	Frequency (MHz)	Avg PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm/3kHz)	Verdict
b	2412	-24.223	0	-24.223	8	Pass
b	2437	-23.892	0	-23.892	8	Pass
b	2462	-23.433	0	-23.433	8	Pass
g	2412	-23.8	0.27	-23.53	8	Pass
g	2437	-23.516	0.27	-23.246	8	Pass
g	2462	-21.958	0.27	-21.688	8	Pass
n20	2412	-22.437	0.28	-22.157	8	Pass
n20	2437	-23.377	0.28	-23.097	8	Pass
n20	2462	-22.587	0.28	-22.307	8	Pass
n40	2422	-26.498	0.56	-25.938	8	Pass
n40	2437	-26.057	0.56	-25.497	8	Pass
n40	2452	-25.577	0.56	-25.017	5	Pass

Test Graphs

PSD NVNT b 2412MHz



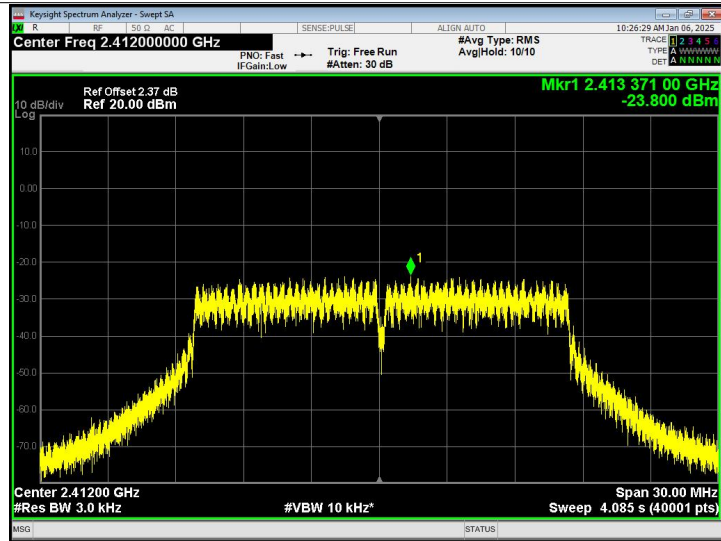
PSD NVNT b 2437MHz



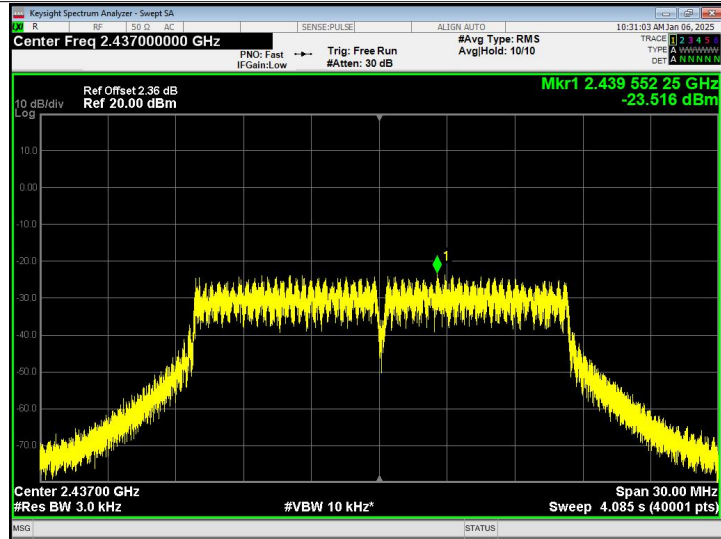
PSD NVNT b 2462MHz



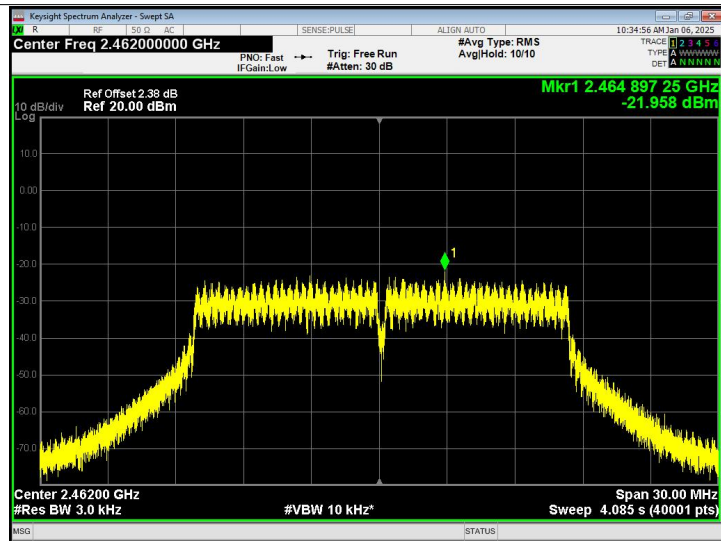
PSD NVNT g 2412MHz



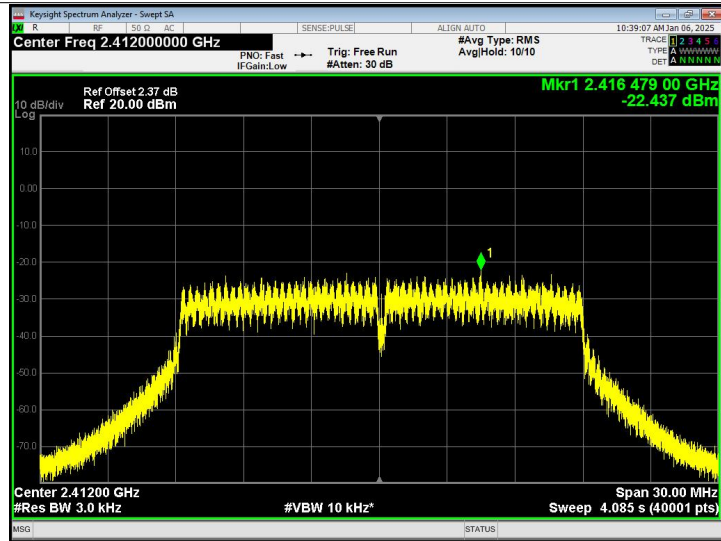
PSD NVNT g 2437MHz



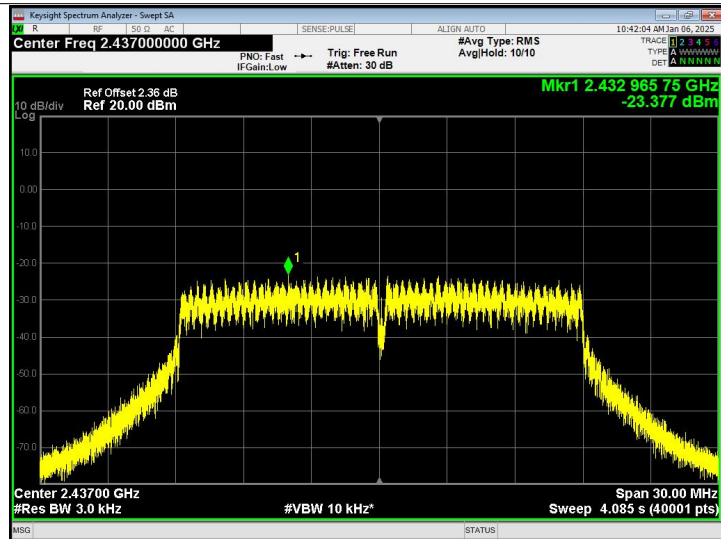
PSD NVNT g 2462MHz



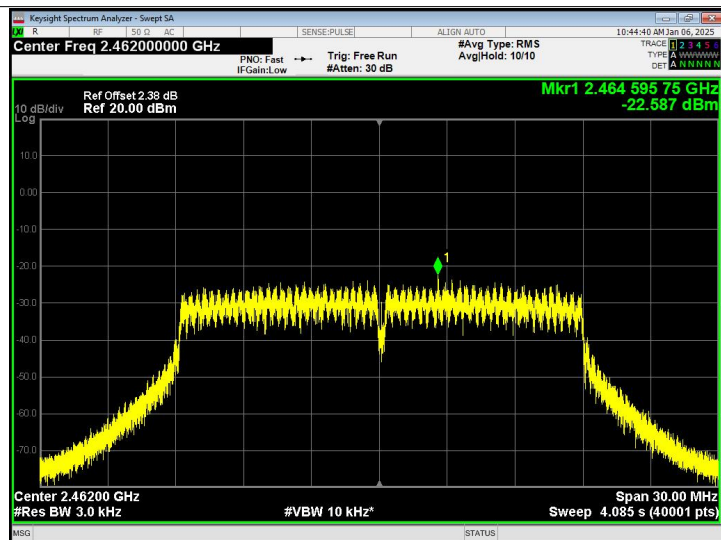
PSD NVNT n20 2412MHz



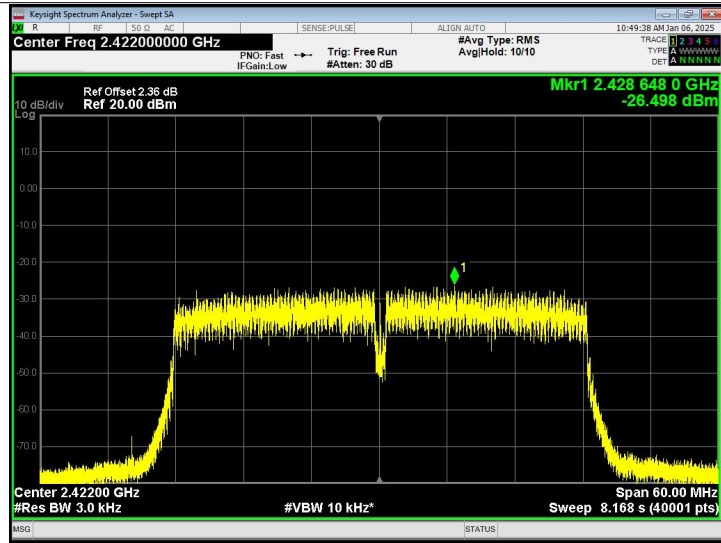
PSD NVNT n20 2437MHz



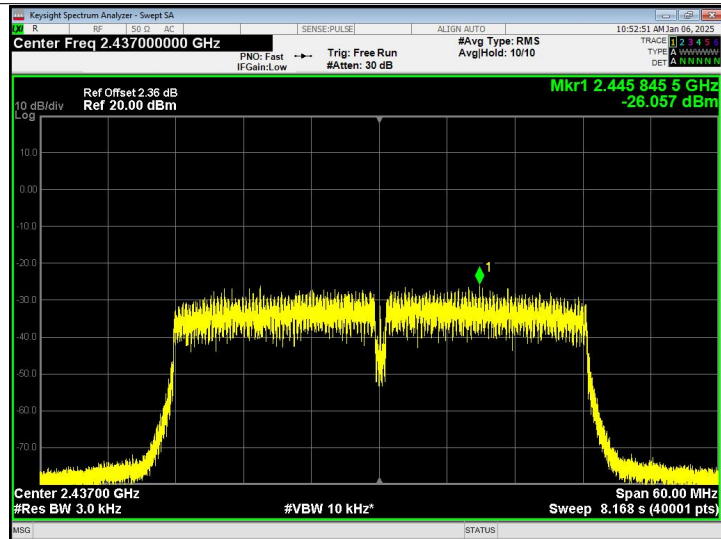
PSD NVNT n20 2462MHz



PSD NVNT n40 2422MHz



PSD NVNT n40 2437MHz



PSD NVNT n40 2452MHz

