

Annex A Test Data and Result

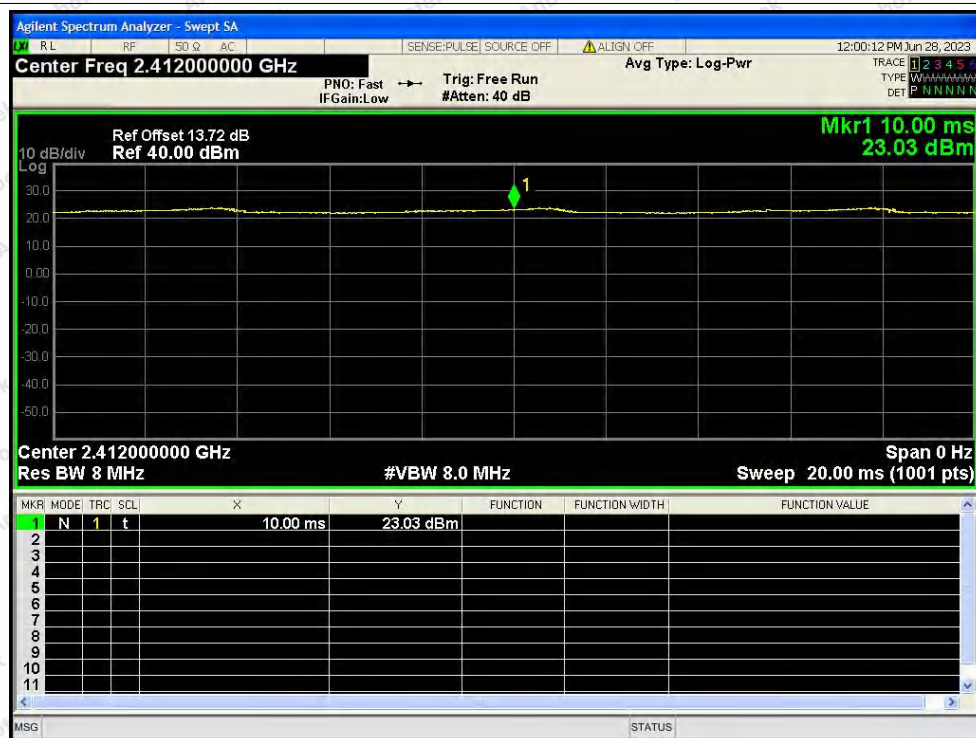
A.1. Duty Cycle of Test Signal

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	100	0	0
NVNT	b	2442	Ant1	100	0	0
NVNT	b	2472	Ant1	100	0	0
NVNT	g	2412	Ant1	99.53	0.02	0.18
NVNT	g	2442	Ant1	99.53	0.02	0.18
NVNT	g	2472	Ant1	99.56	0.02	0.18
NVNT	n20	2412	Ant1	99.49	0.02	0.2
NVNT	n20	2442	Ant1	99.53	0.02	0.2
NVNT	n20	2472	Ant1	99.49	0.02	0.2

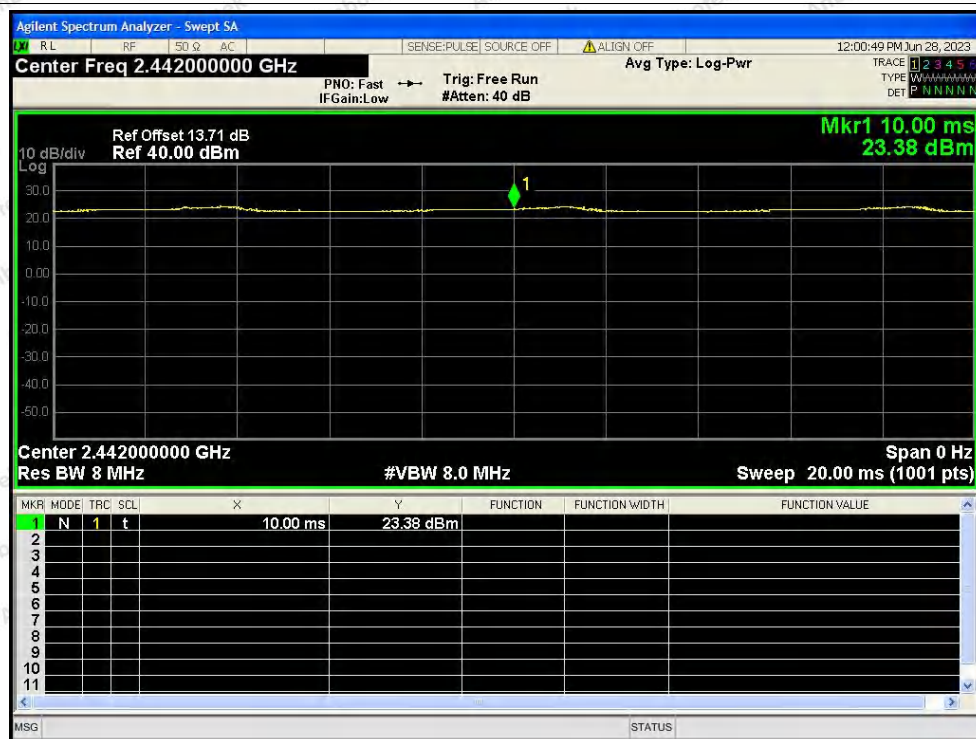


Test Graphs

Duty Cycle NVNT b 2412MHz Ant1



Duty Cycle NVNT b 2442MHz Ant1



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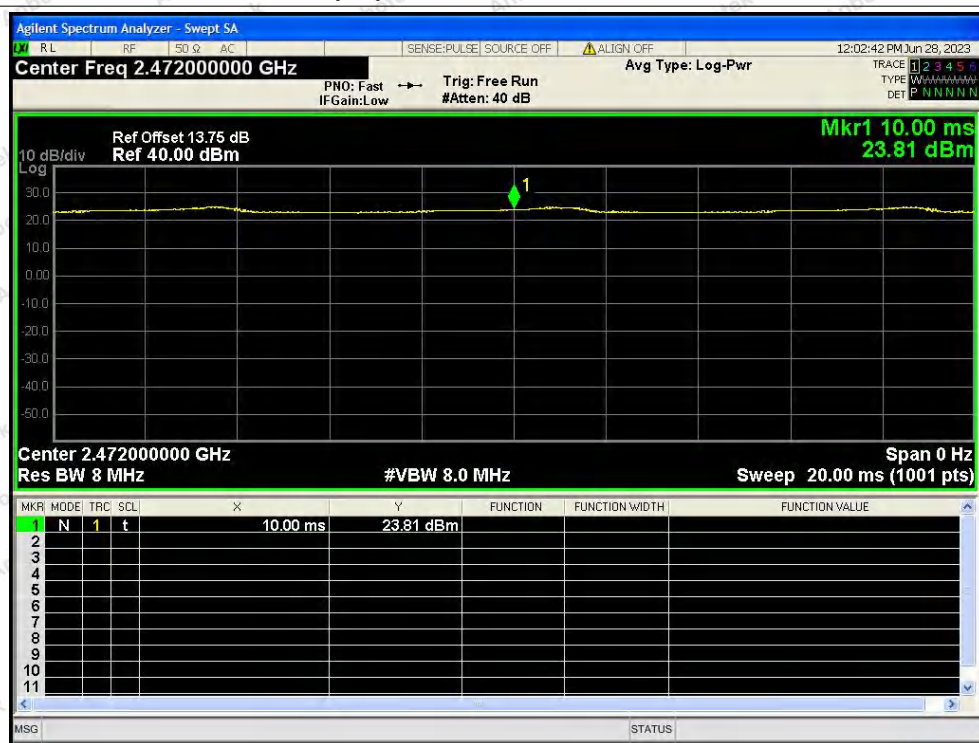
Hotline

400-003-0500

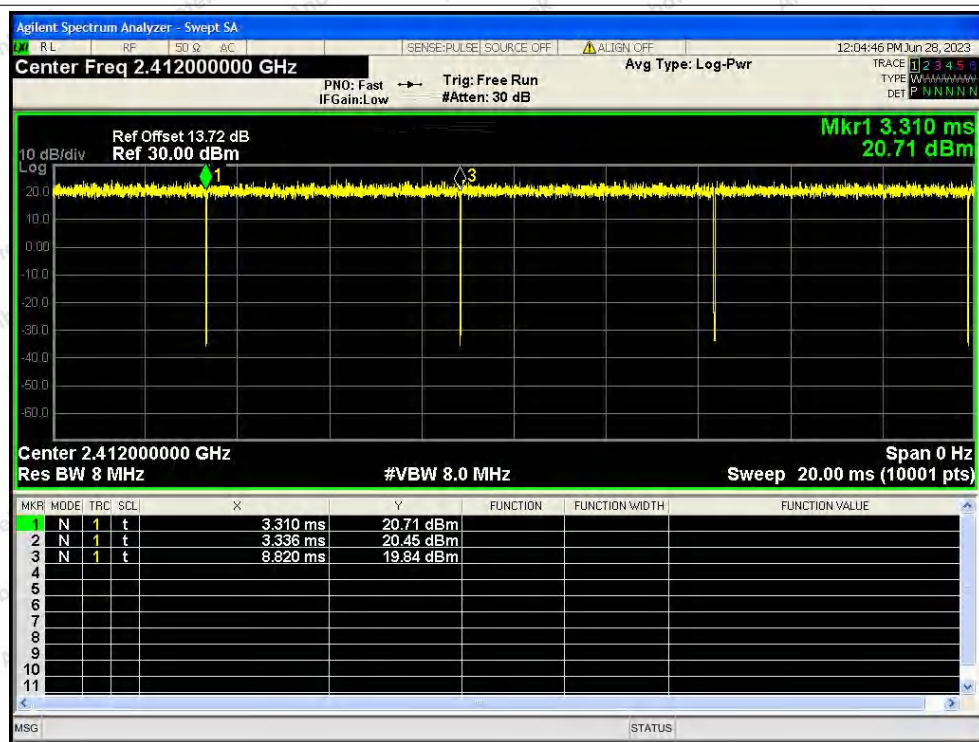
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Duty Cycle NVNT b 2472MHz Ant1



Duty Cycle NVNT g 2412MHz Ant1



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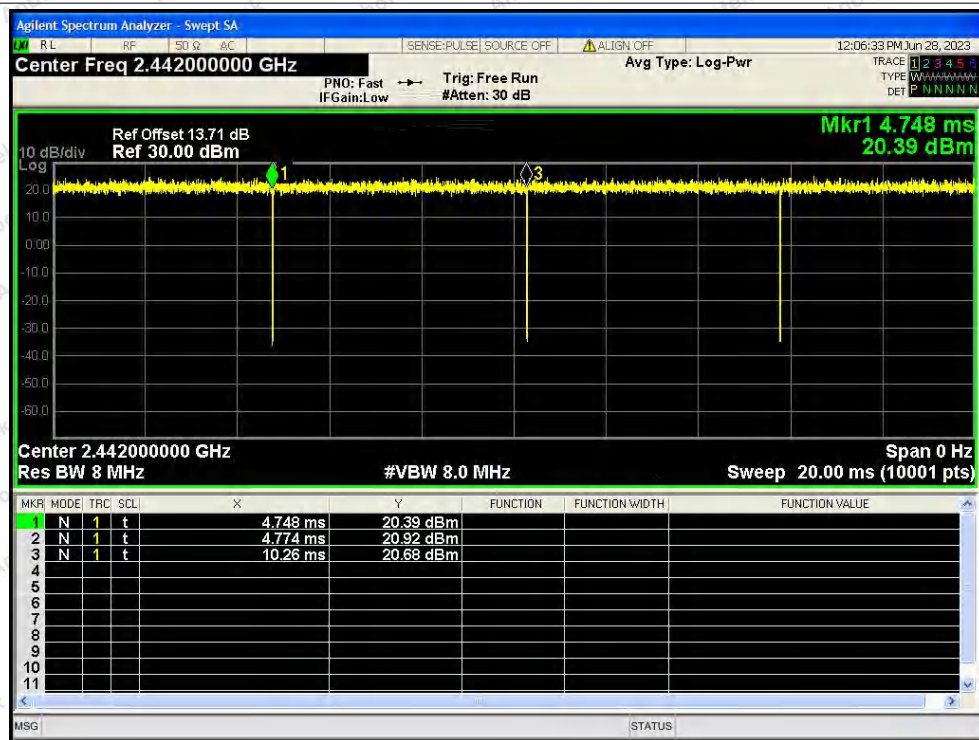
Hotline

400-003-0500

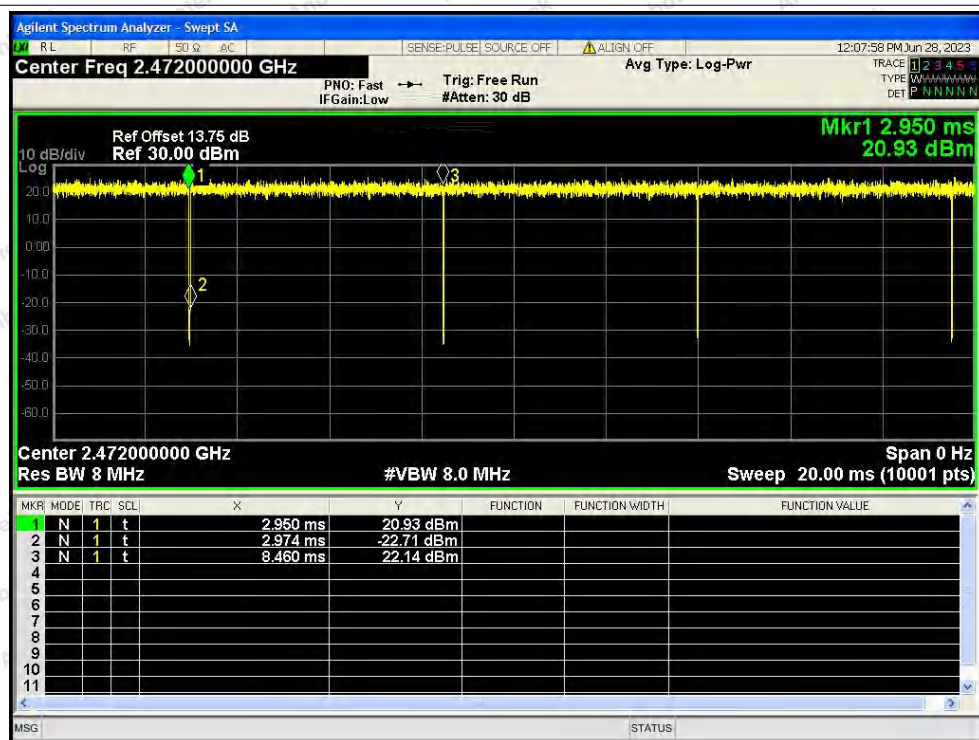
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Duty Cycle NVNT g 2442MHz Ant1



Duty Cycle NVNT g 2472MHz Ant1



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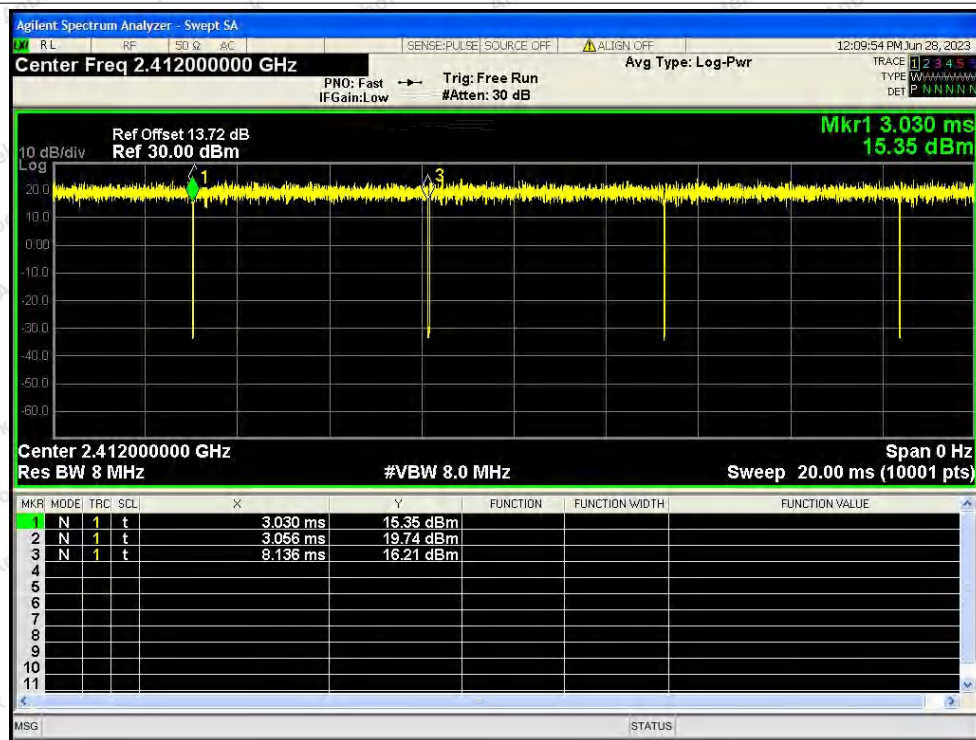
Hotline

400-003-0500

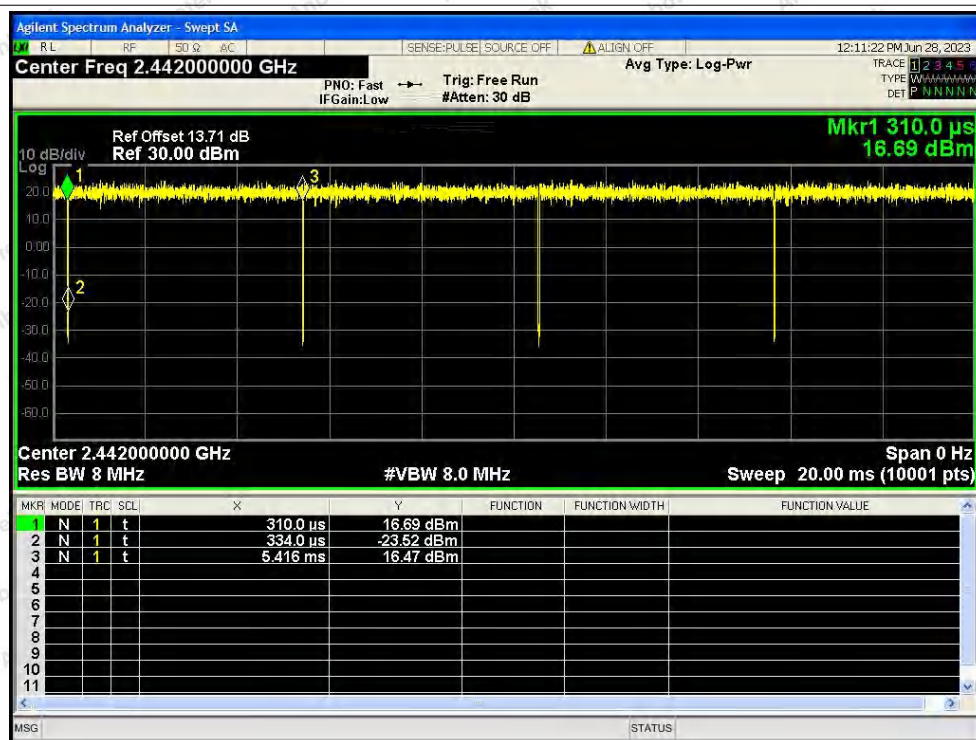
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Duty Cycle NVNT n20 2412MHz Ant1



Duty Cycle NVNT n20 2442MHz Ant1



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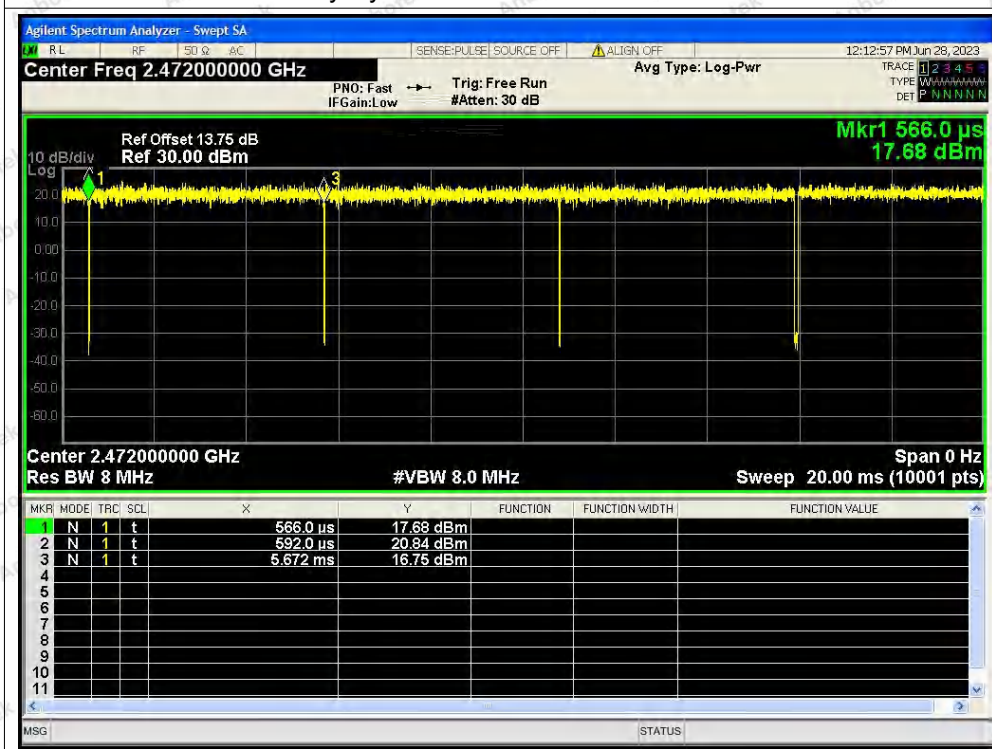
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Duty Cycle NVNT n20 2472MHz Ant1



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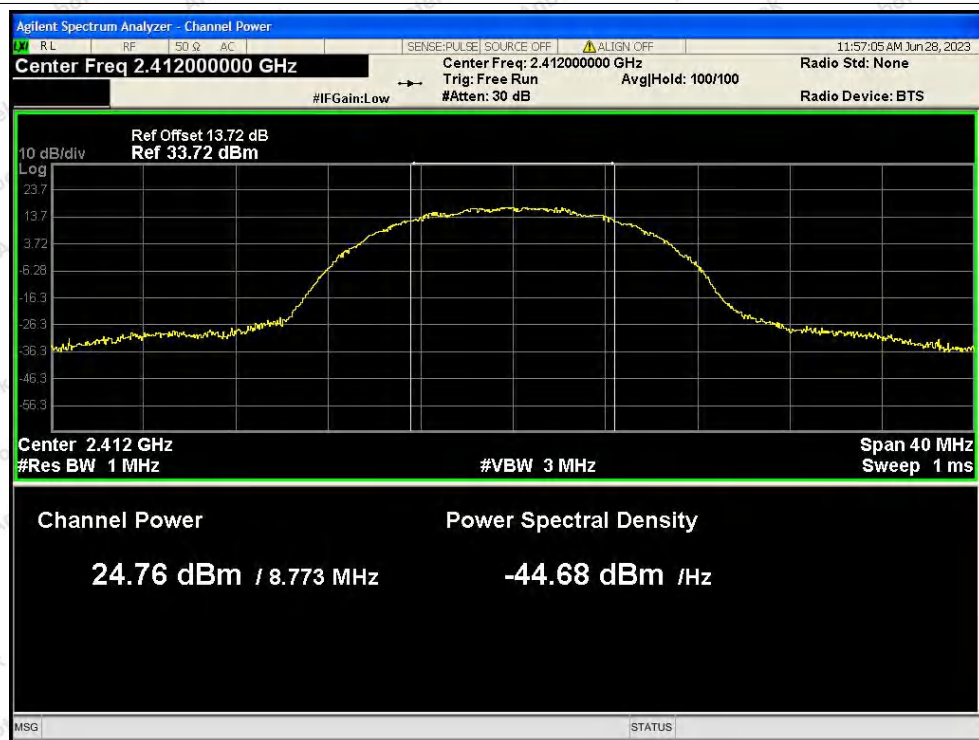
A.2. Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (mW)	Limit Conducted (dBm)	Verdict
NVNT	b	2412	Ant1	24.76	0	24.76	299.23	30	Pass
NVNT	b	2442	Ant1	25.31	0	25.31	339.63	30	Pass
NVNT	b	2472	Ant1	25.86	0	25.86	385.48	30	Pass
NVNT	g	2412	Ant1	25.26	0	25.26	335.74	30	Pass
NVNT	g	2442	Ant1	25.74	0	25.74	374.97	30	Pass
NVNT	g	2472	Ant1	26.24	0	26.24	420.73	30	Pass
NVNT	n20	2412	Ant1	24.41	0	24.41	276.06	30	Pass
NVNT	n20	2442	Ant1	25.13	0	25.13	325.84	30	Pass
NVNT	n20	2472	Ant1	25.69	0	25.69	370.68	30	Pass

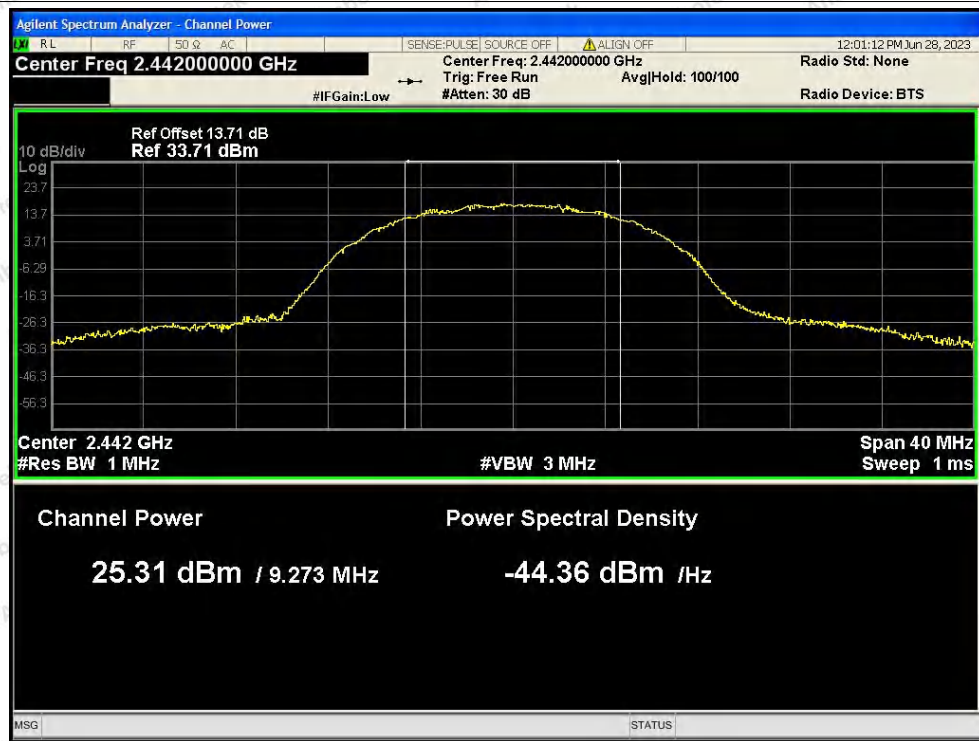


Test Graphs

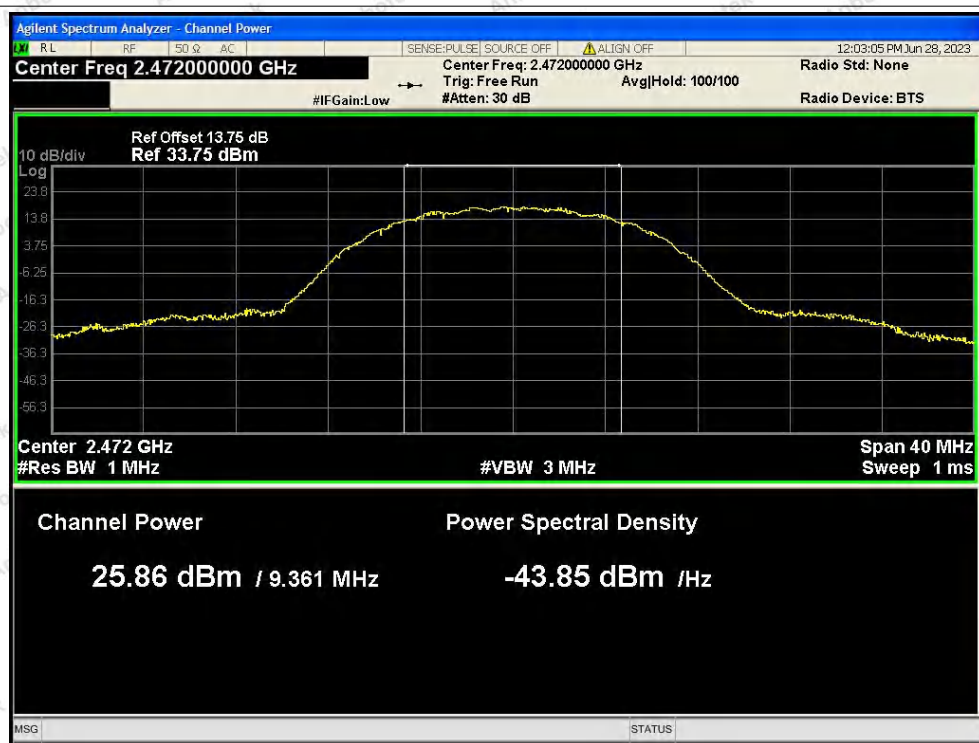
Peak Power NVNT b 2412MHz Ant1



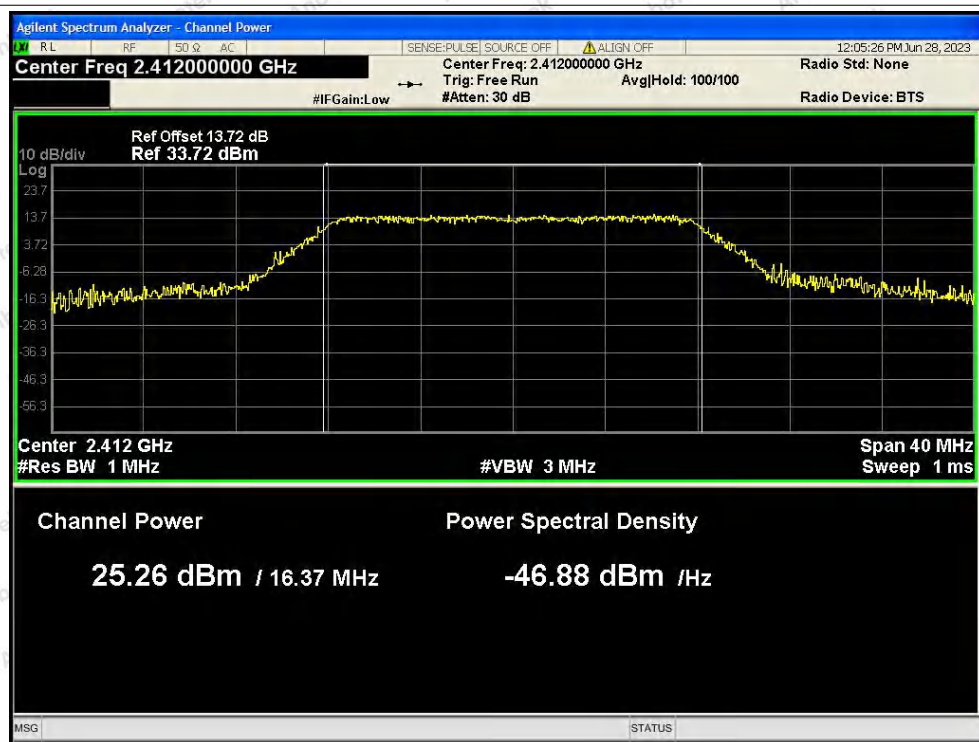
Peak Power NVNT b 2442MHz Ant1



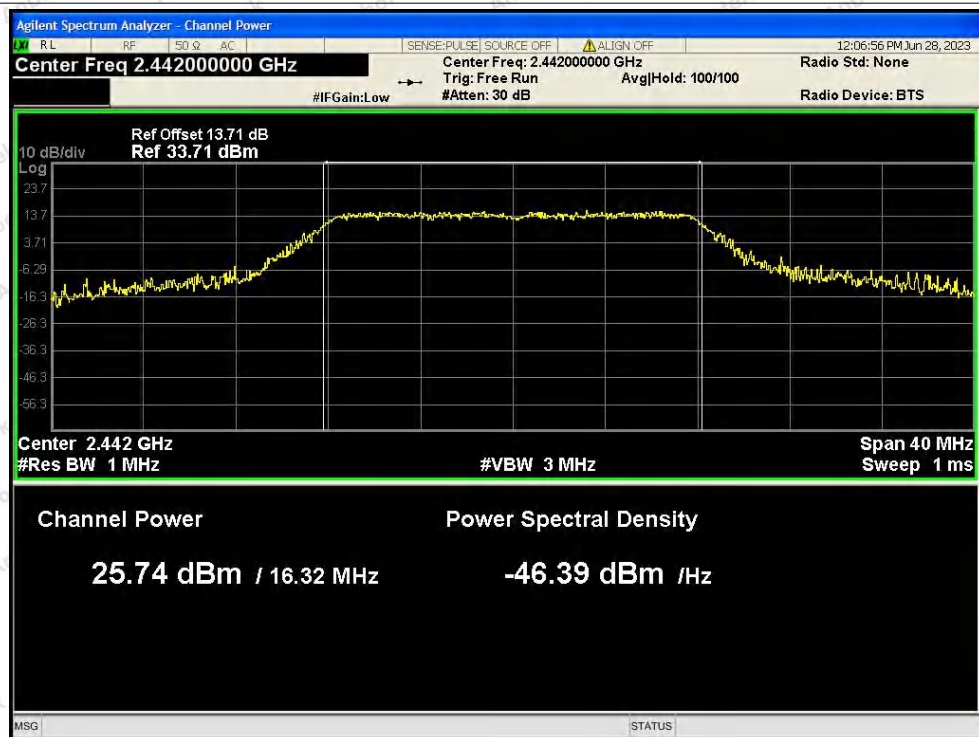
Peak Power NVNT b 2472MHz Ant1



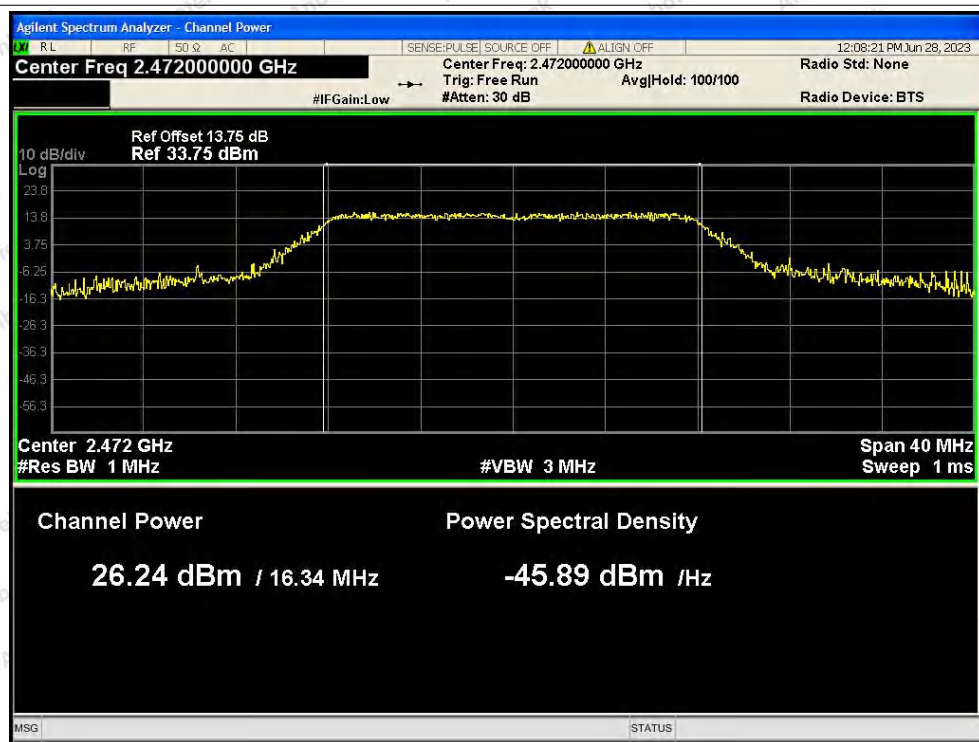
Peak Power NVNT g 2412MHz Ant1



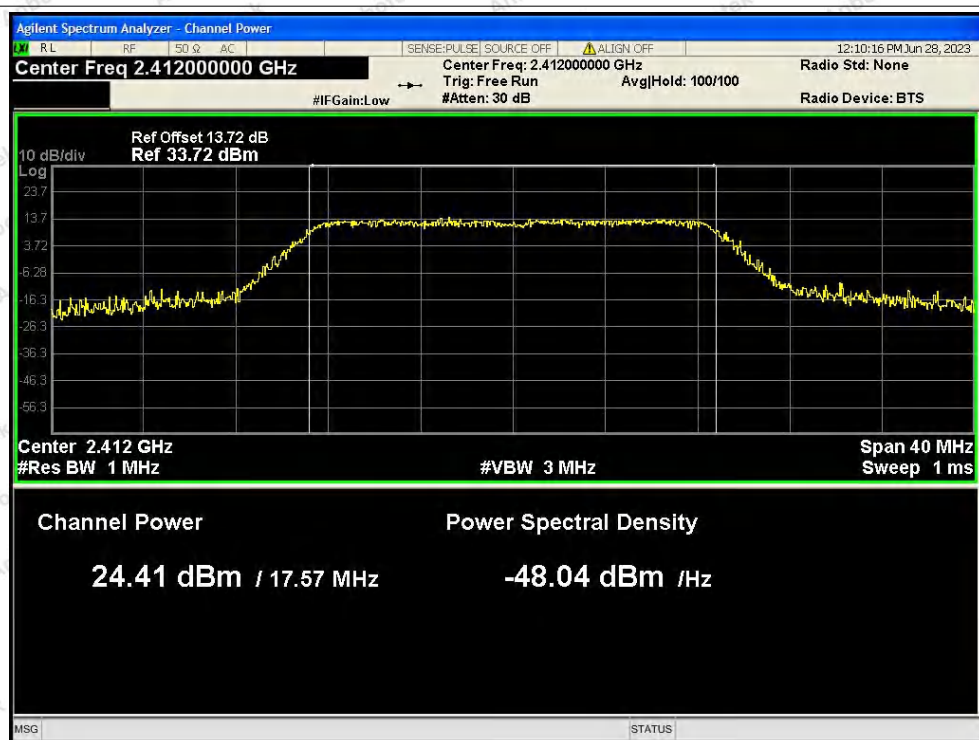
Peak Power NVNT g 2442MHz Ant1



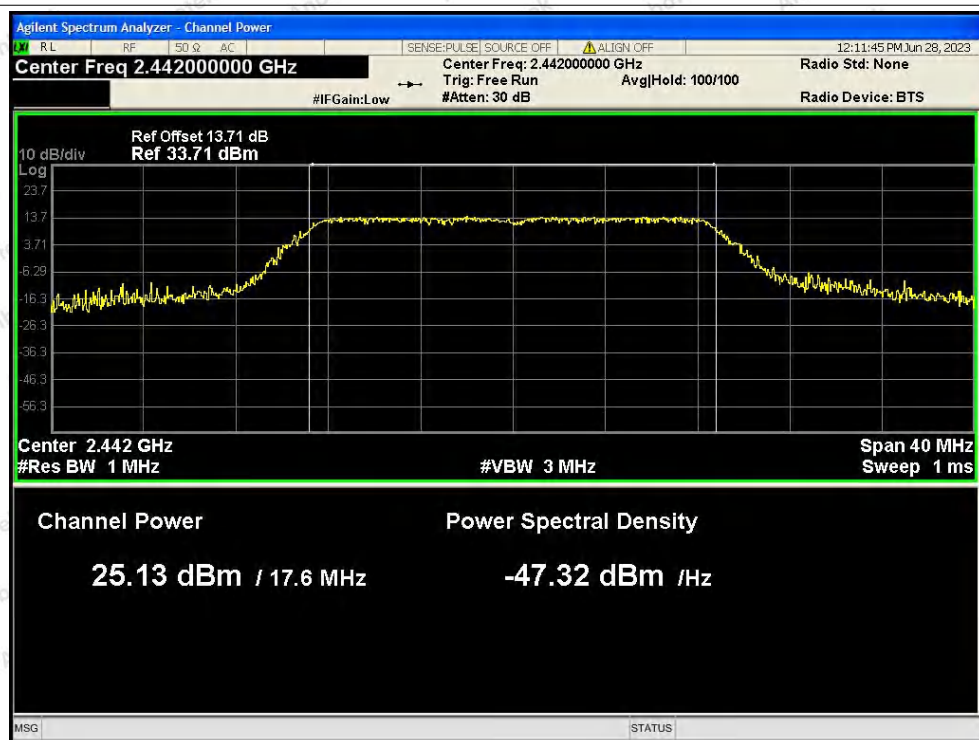
Peak Power NVNT g 2472MHz Ant1



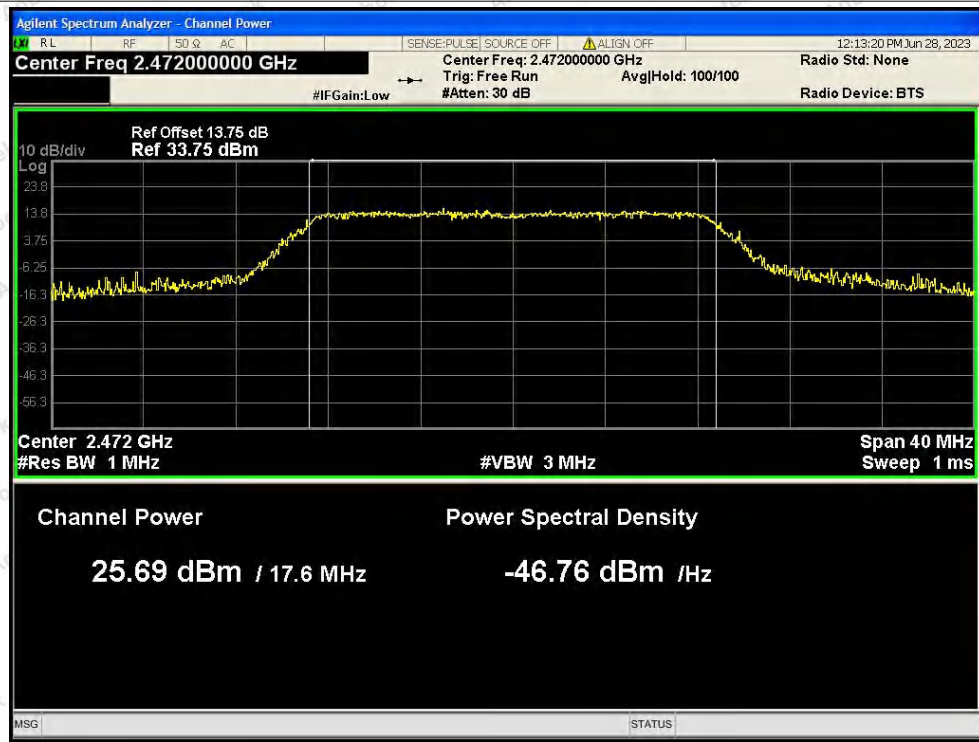
Peak Power NVNT n20 2412MHz Ant1



Peak Power NVNT n20 2442MHz Ant1



Peak Power NVNT n20 2472MHz Ant1



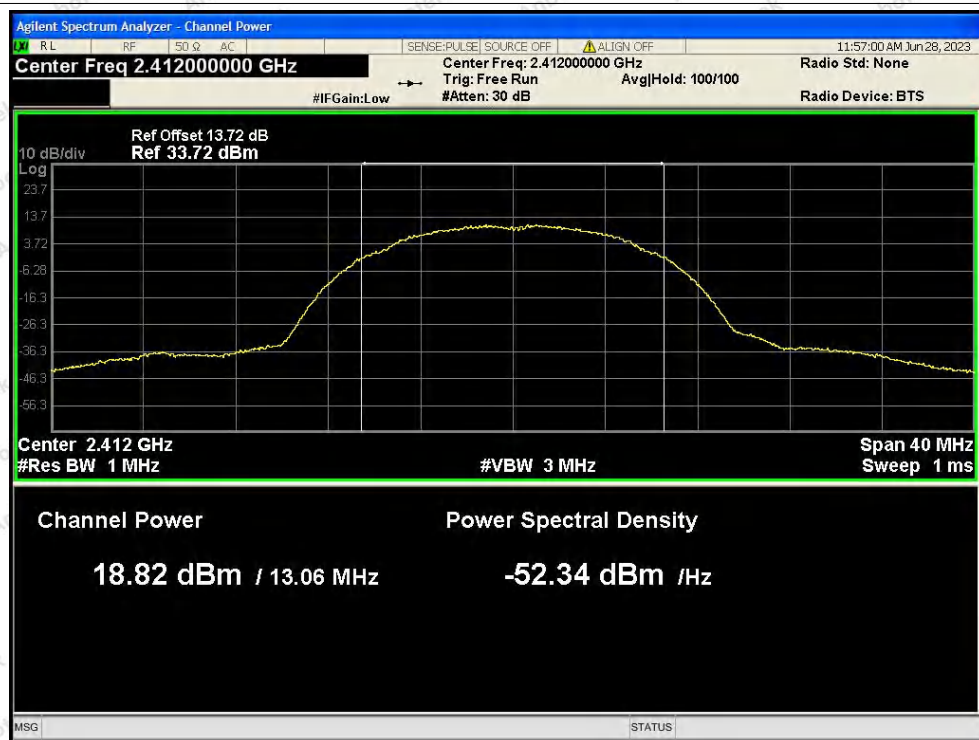
A.3. Maximum Average Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (mW)	Limit Conducted (dBm)	Verdict
NVNT	b	2412	Ant1	18.82	0	18.82	76.21	30	Pass
NVNT	b	2442	Ant1	19.21	0	19.21	83.37	30	Pass
NVNT	b	2472	Ant1	19.71	0	19.71	93.54	30	Pass
NVNT	g	2412	Ant1	18.17	0.02	18.19	65.92	30	Pass
NVNT	g	2442	Ant1	18.75	0.02	18.77	75.34	30	Pass
NVNT	g	2472	Ant1	19.27	0.02	19.29	84.92	30	Pass
NVNT	n20	2412	Ant1	17.28	0.02	17.3	53.7	30	Pass
NVNT	n20	2442	Ant1	17.96	0.02	17.98	62.81	30	Pass
NVNT	n20	2472	Ant1	18.6	0.02	18.62	72.78	30	Pass

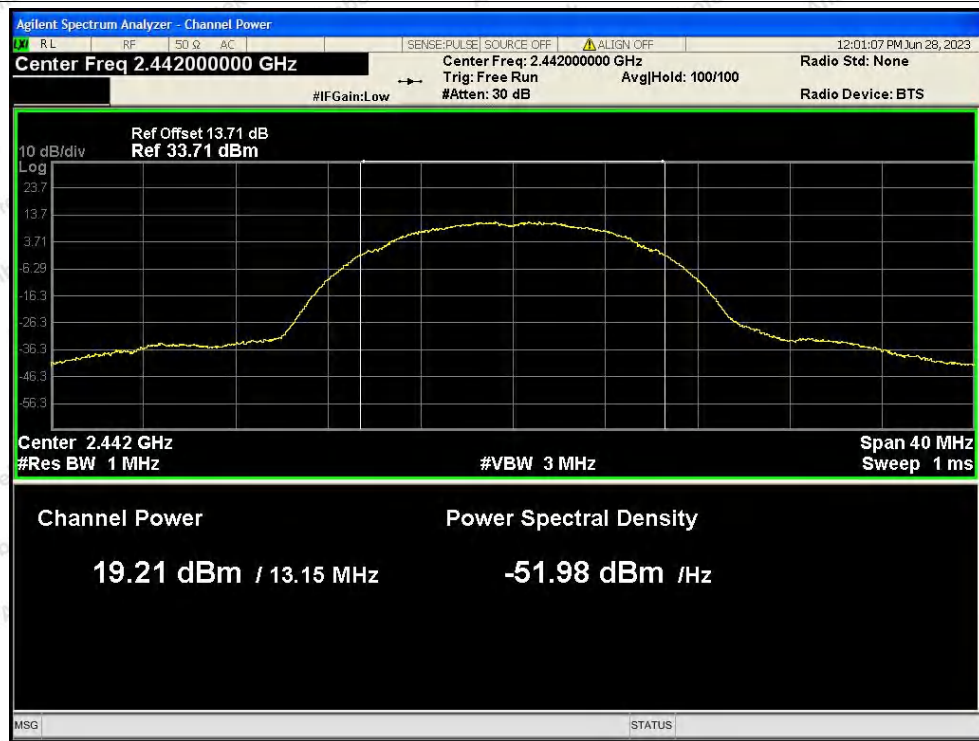


Test Graphs

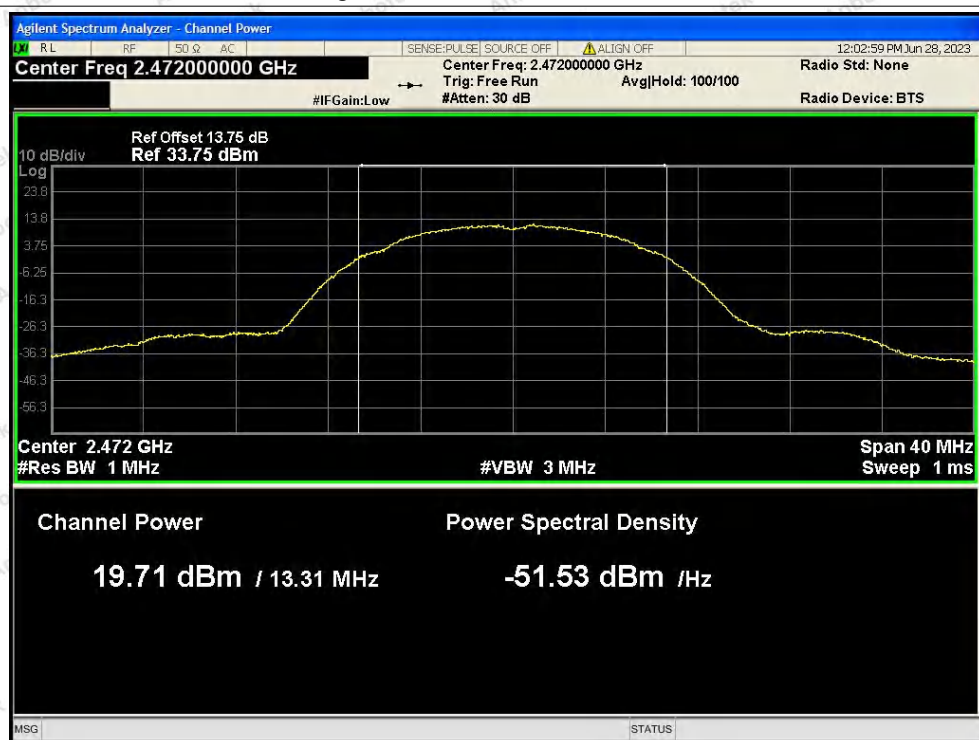
Average Power NVNT b 2412MHz Ant1



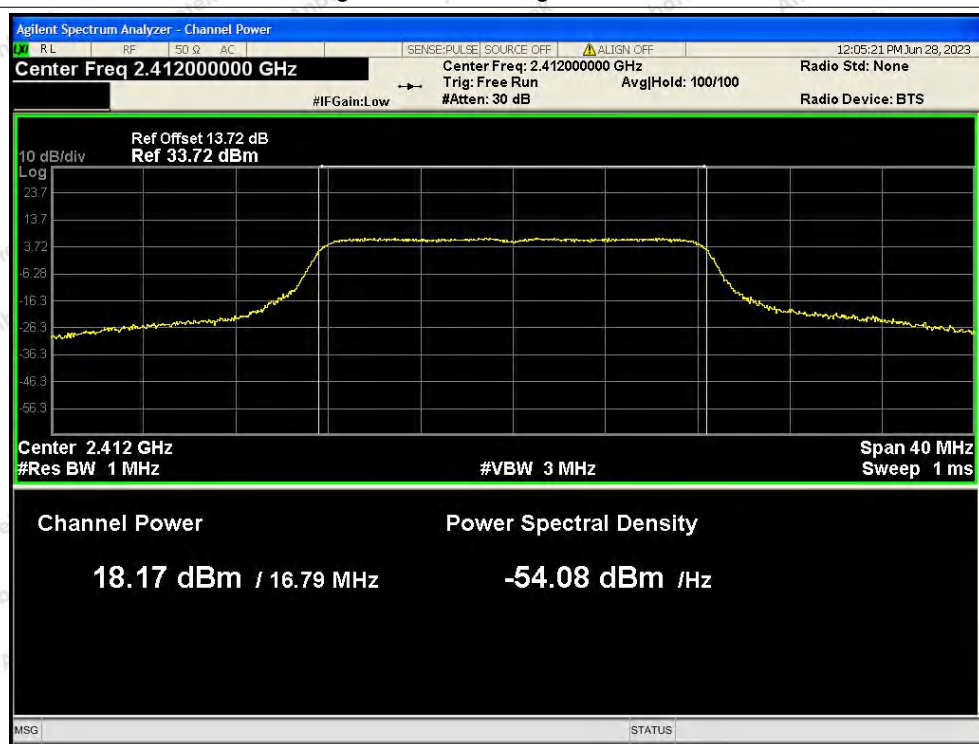
Average Power NVNT b 2442MHz Ant1



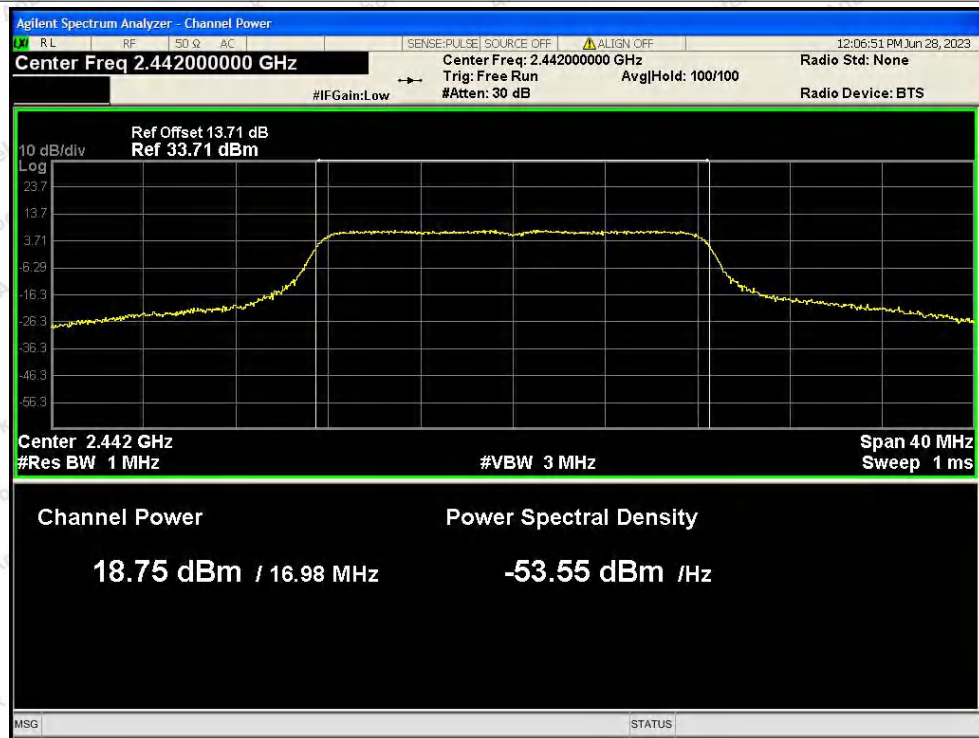
Average Power NVNT b 2472MHz Ant1



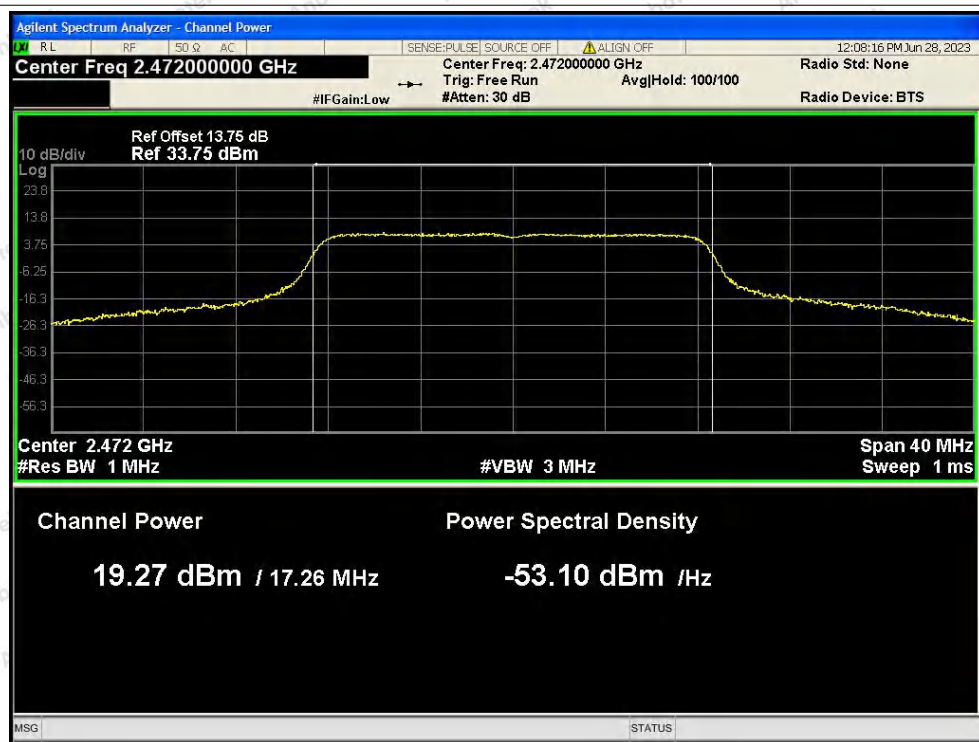
Average Power NVNT g 2412MHz Ant1



Average Power NVNT g 2442MHz Ant1



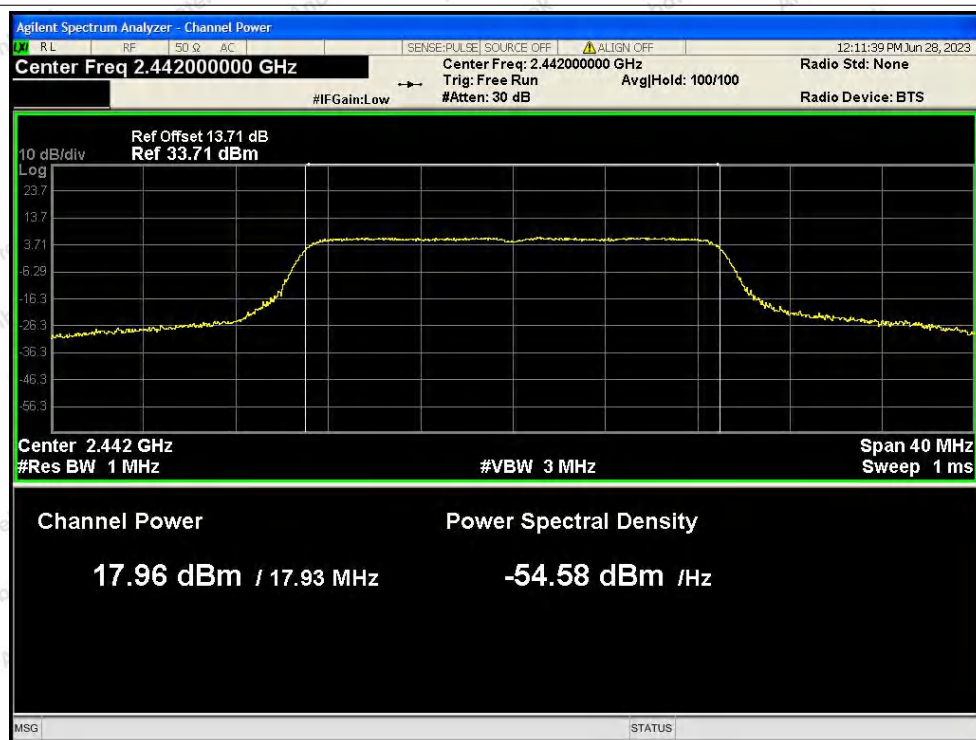
Average Power NVNT g 2472MHz Ant1



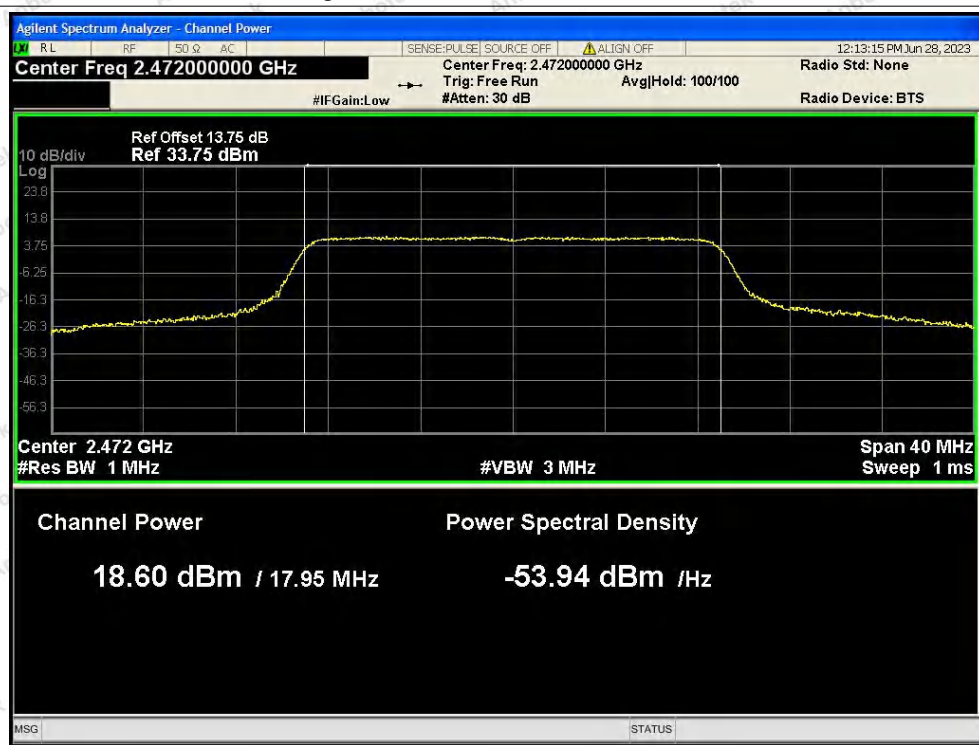
Average Power NVNT n20 2412MHz Ant1



Average Power NVNT n20 2442MHz Ant1



Average Power NVNT n20 2472MHz Ant1



A.4. 6 dB Bandwidth and 99% Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	99% OBW (MHz)
NVNT	b	2412	Ant1	8.773	13.0555
NVNT	b	2442	Ant1	9.273	13.1497
NVNT	b	2472	Ant1	9.361	13.311
NVNT	g	2412	Ant1	16.372	16.7943
NVNT	g	2442	Ant1	16.319	16.9772
NVNT	g	2472	Ant1	16.335	17.2587
NVNT	n20	2412	Ant1	17.568	17.8731
NVNT	n20	2442	Ant1	17.598	17.9272
NVNT	n20	2472	Ant1	17.601	17.9522

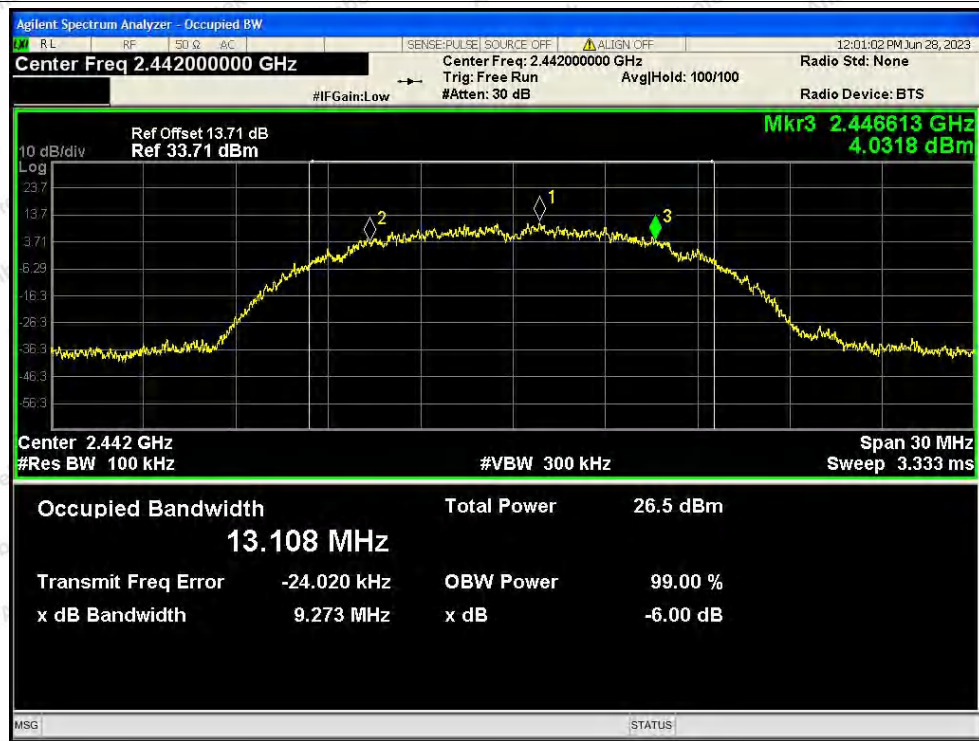


Test Graphs

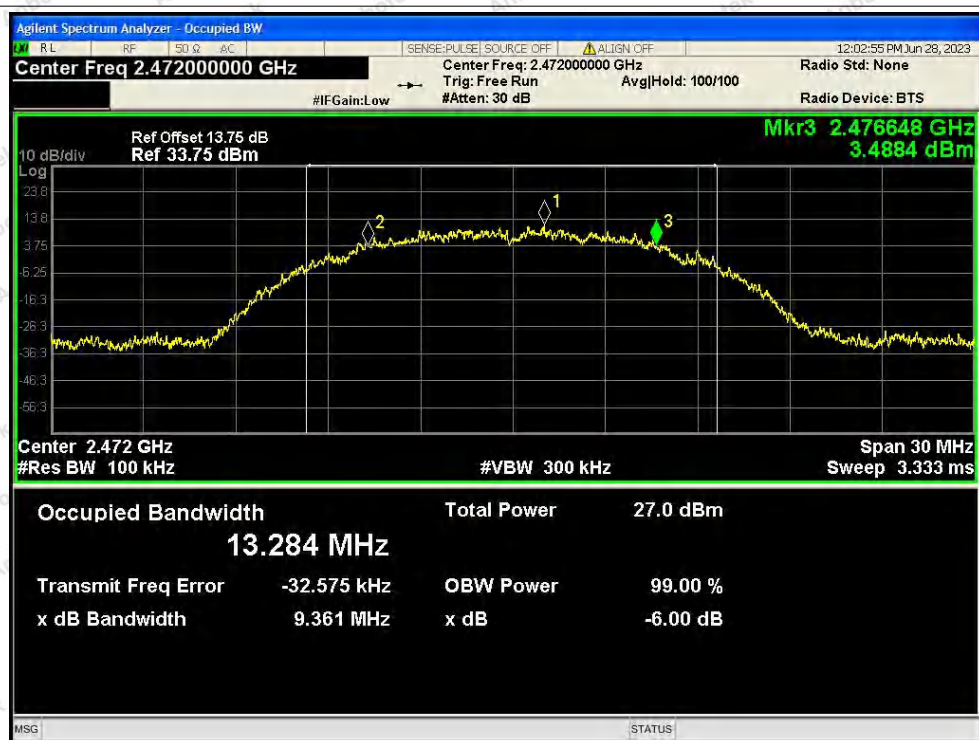
-6dB Bandwidth NVNT b 2412MHz Ant1



-6dB Bandwidth NVNT b 2442MHz Ant1



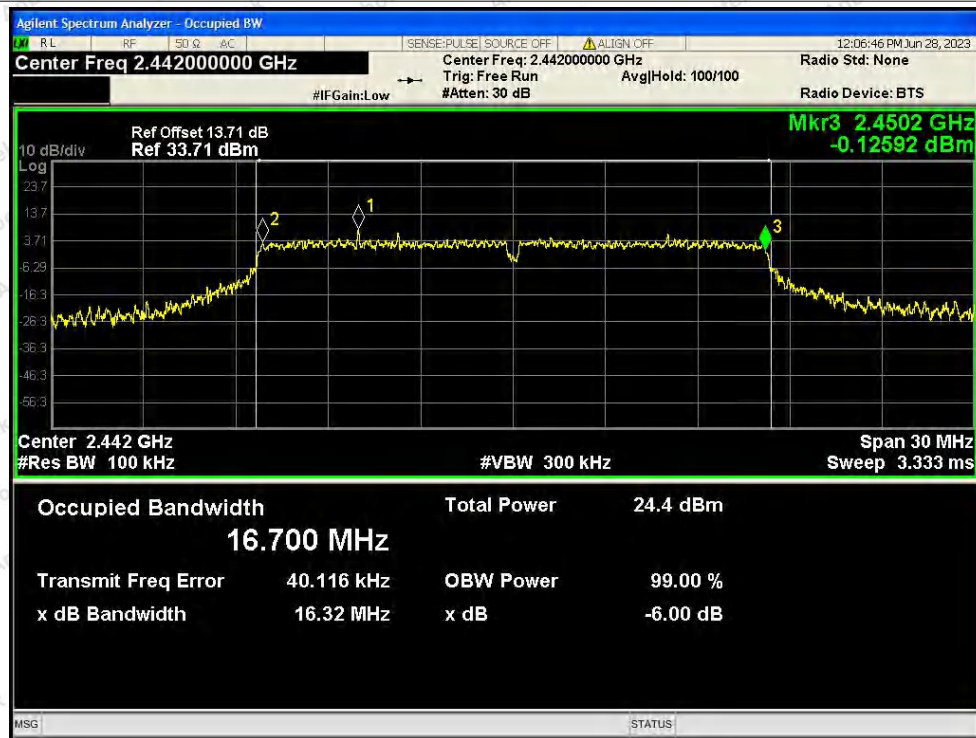
-6dB Bandwidth NVNT b 2472MHz Ant1



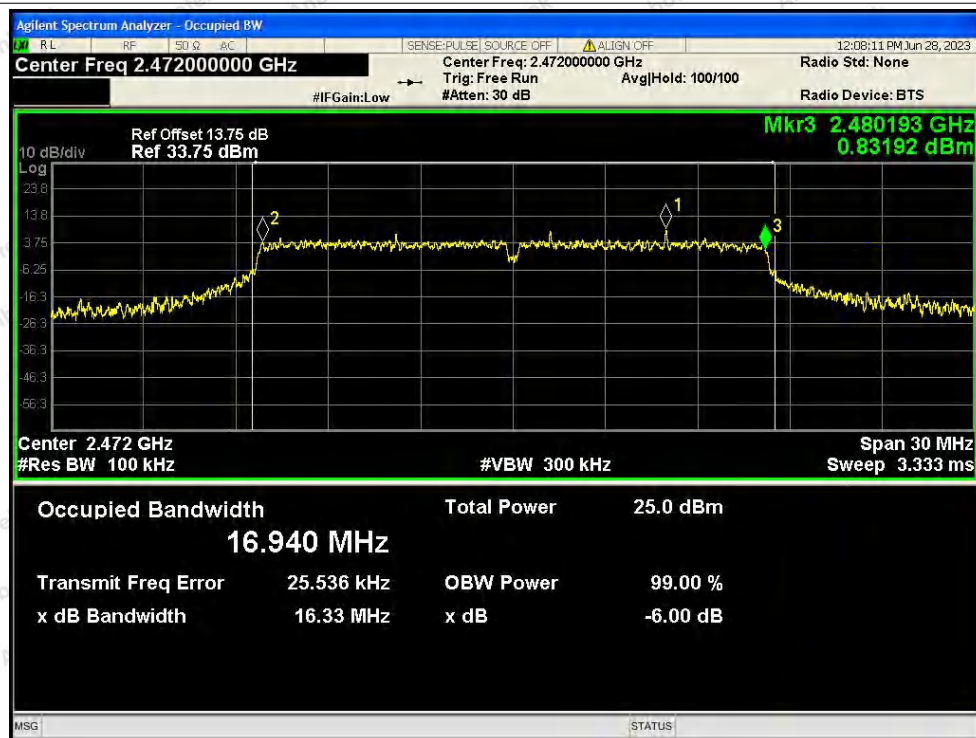
-6dB Bandwidth NVNT g 2412MHz Ant1



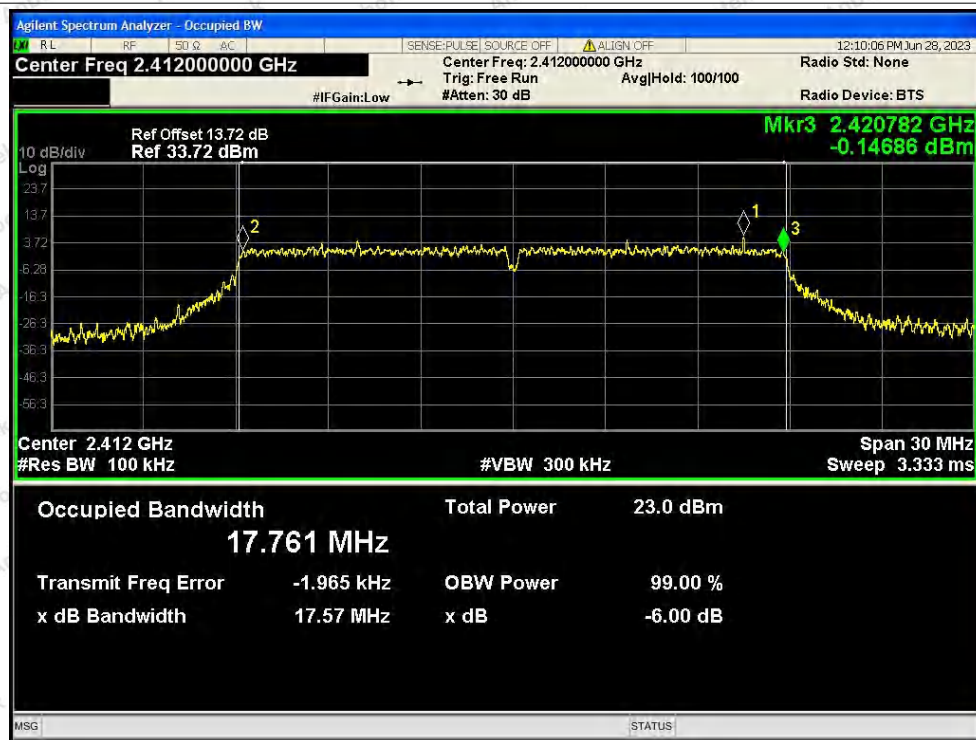
-6dB Bandwidth NVNT g 2442MHz Ant1



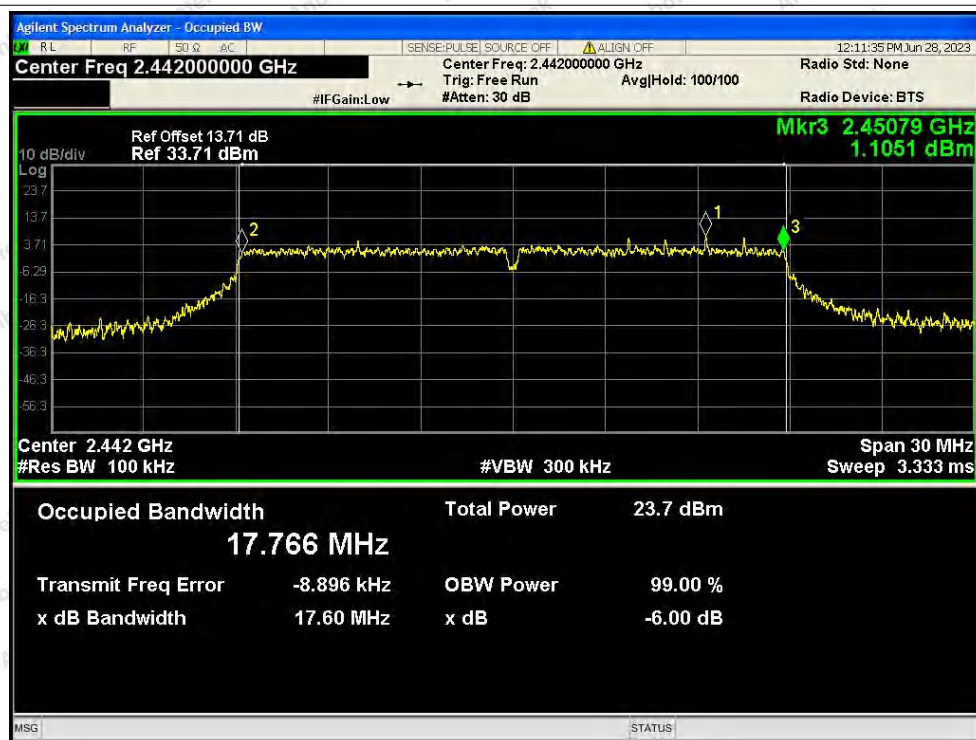
-6dB Bandwidth NVNT g 2472MHz Ant1



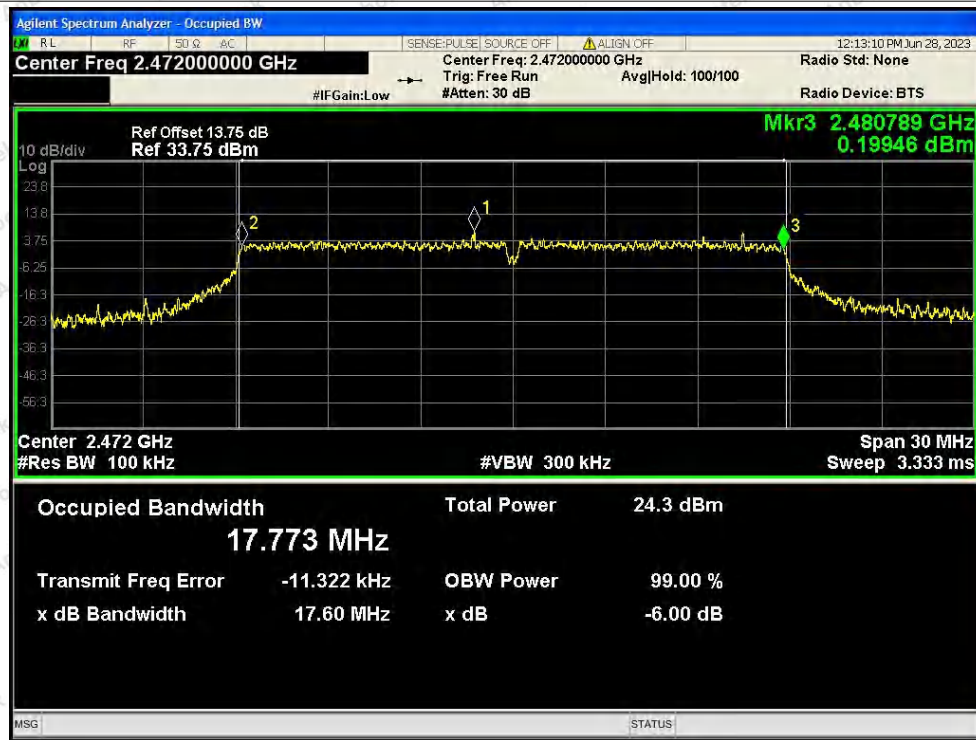
-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2442MHz Ant1



-6dB Bandwidth NVNT n20 2472MHz Ant1

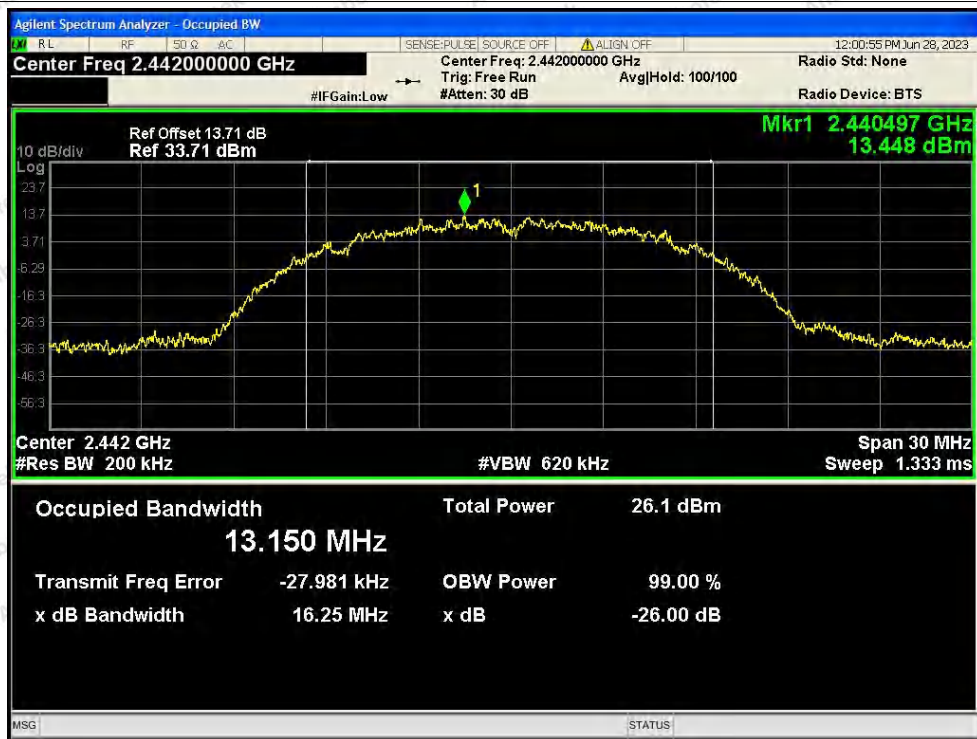


Test Graphs

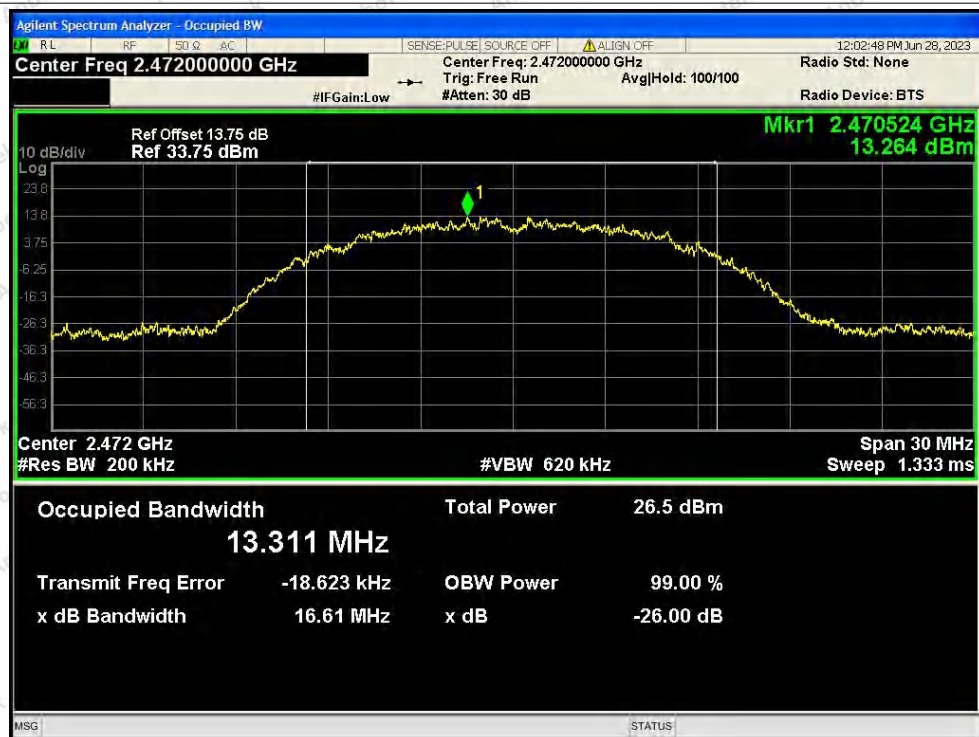
OBW NVNT b 2412MHz Ant1



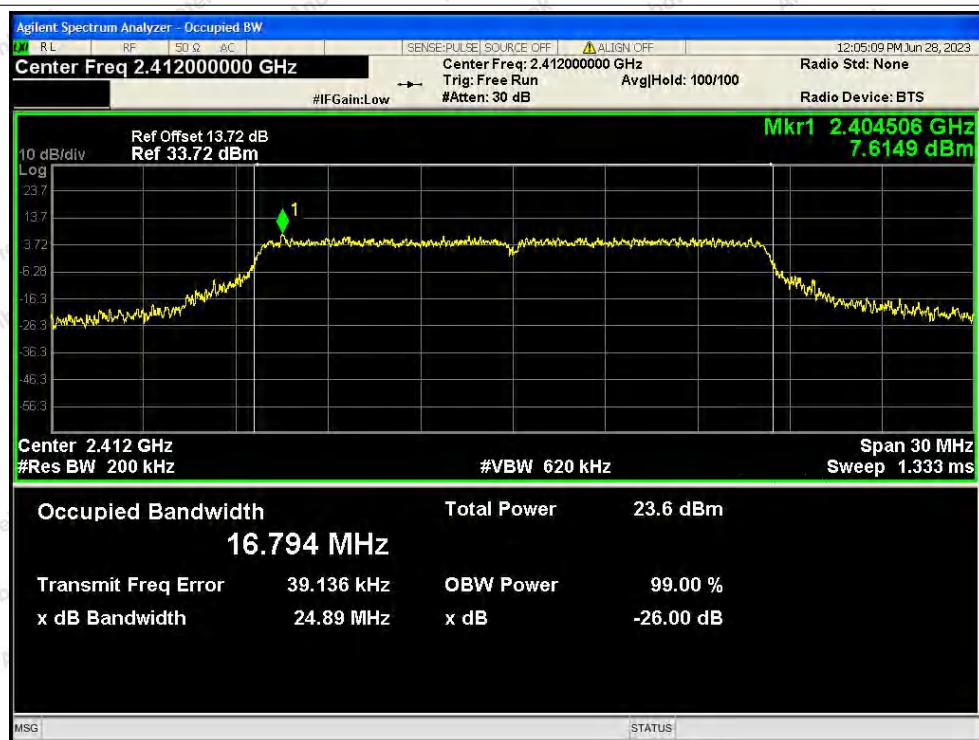
OBW NVNT b 2442MHz Ant1



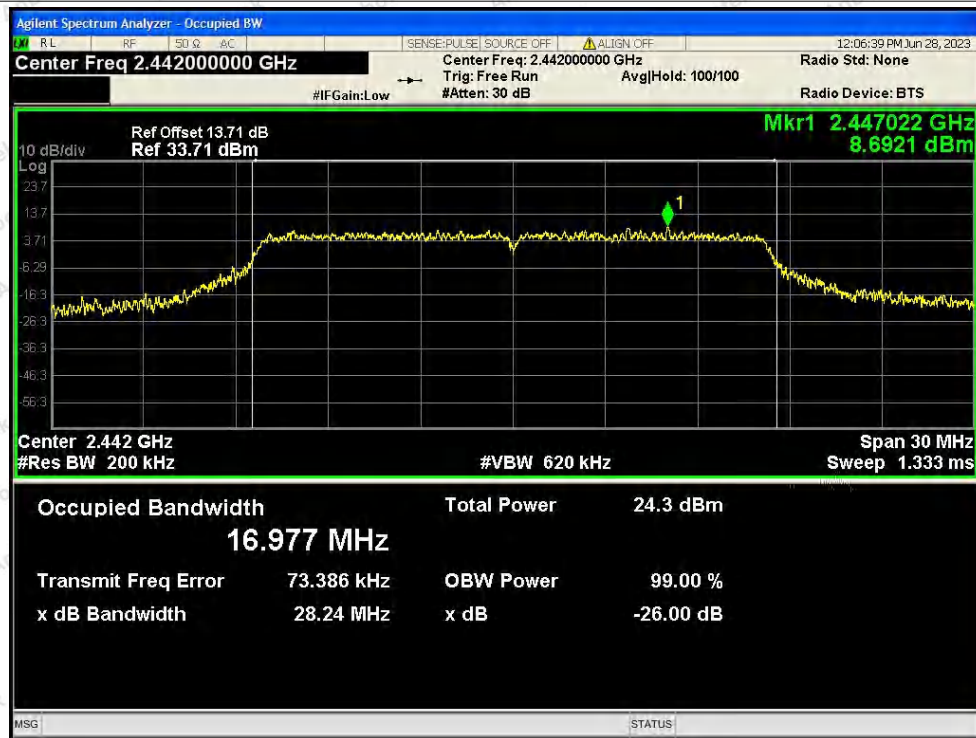
OBW NVNT b 2472MHz Ant1



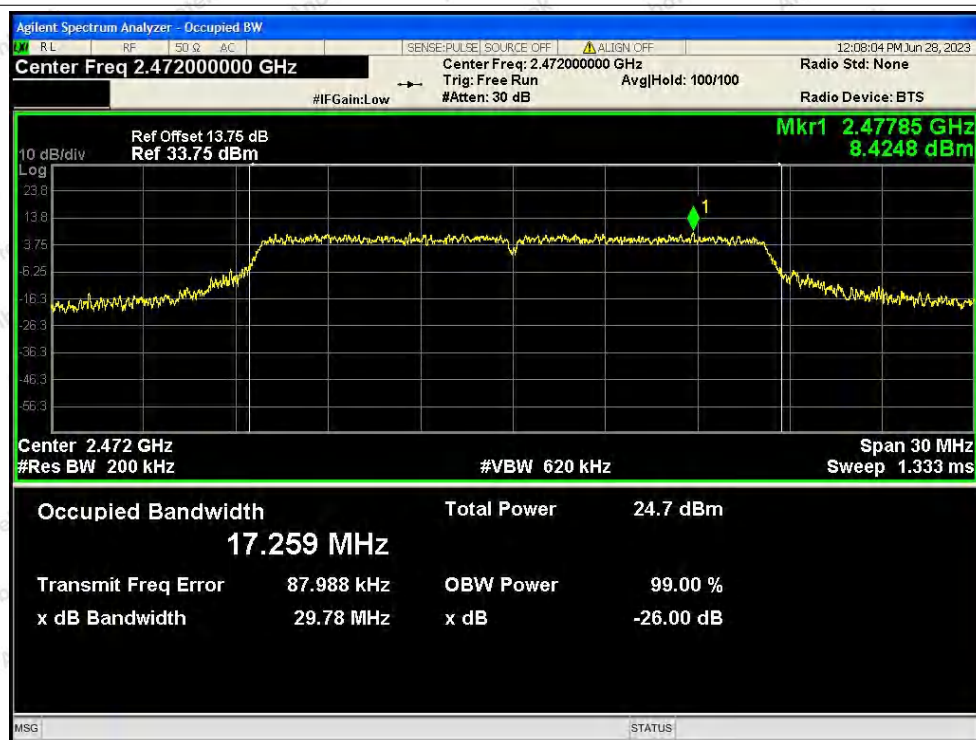
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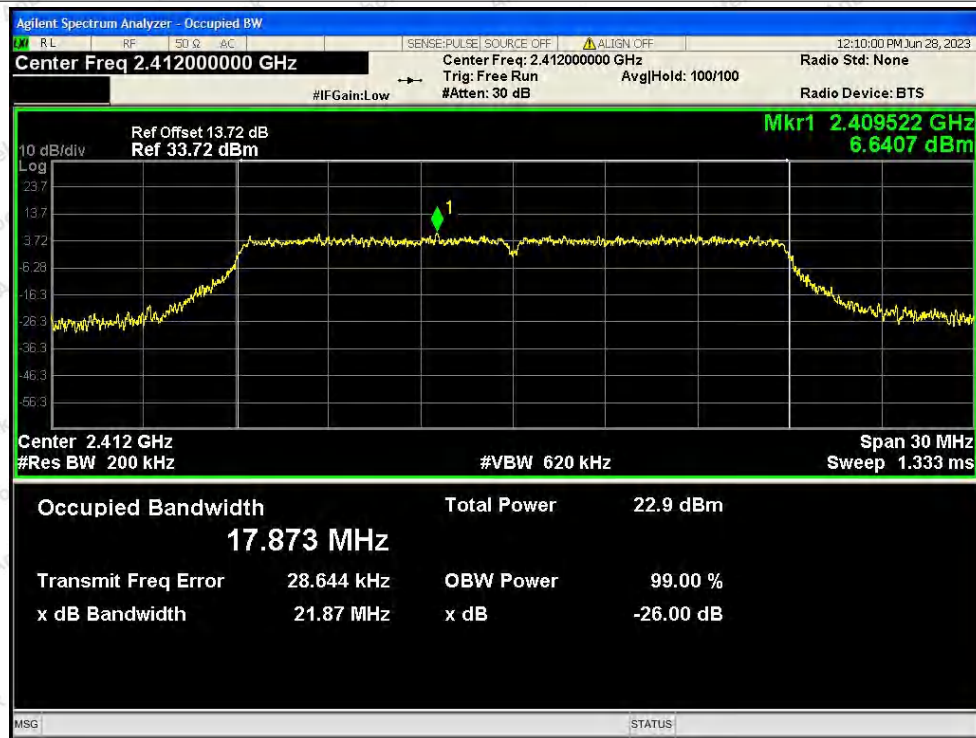
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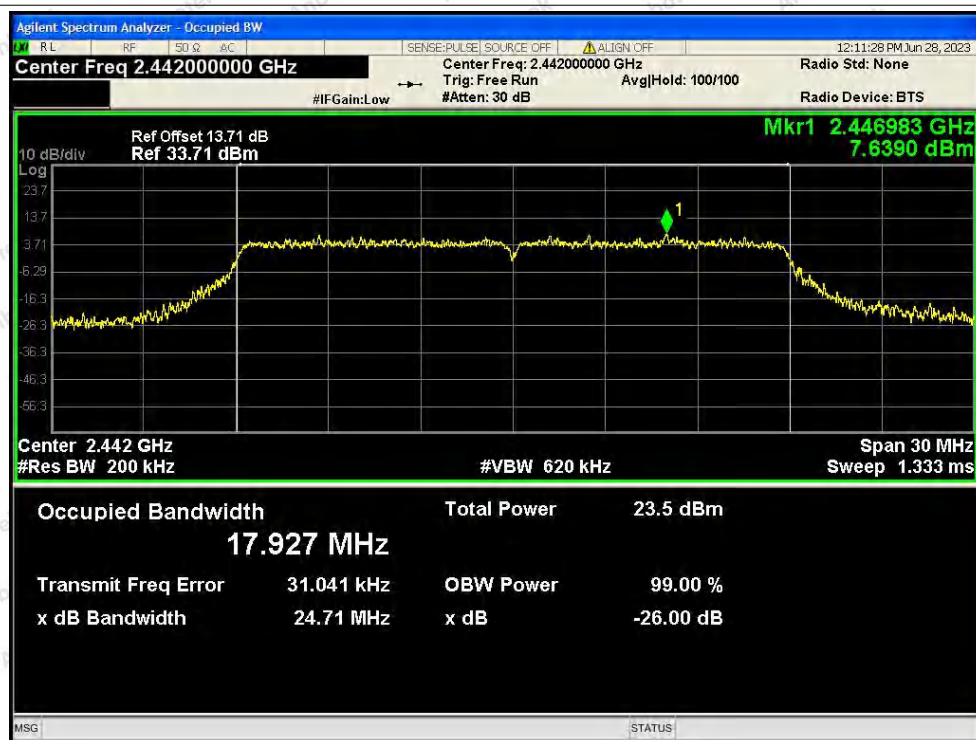
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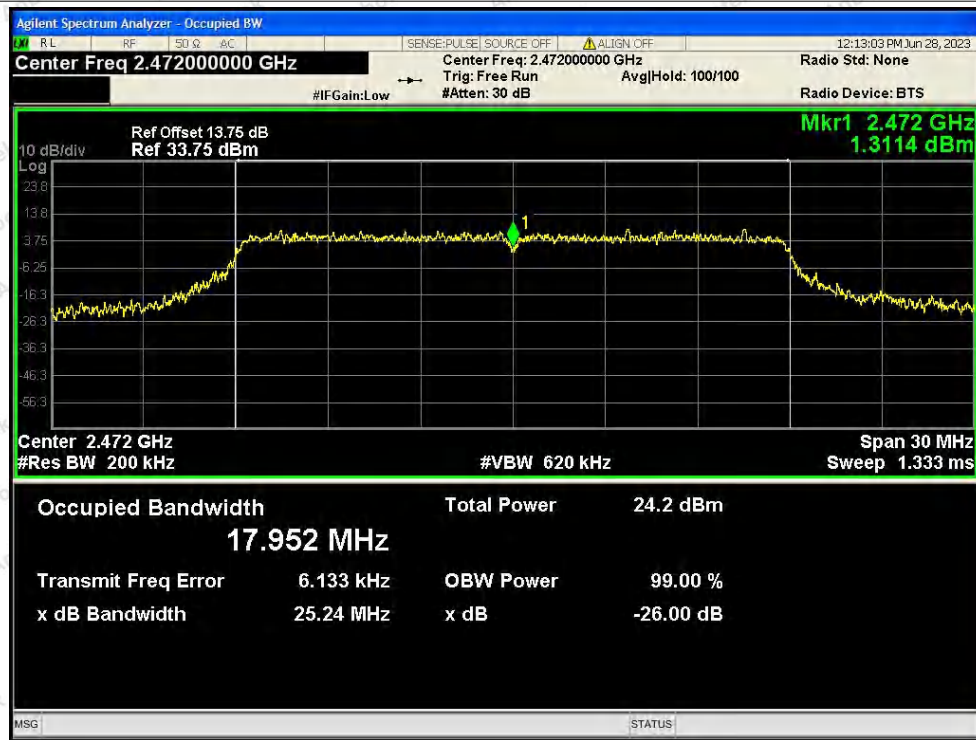
OBW NVNT n20 2412MHz Ant1



OBW NVNT n20 2442MHz Ant1



OBW NVNT n20 2472MHz Ant1



A.5. Conducted Spurious Emissions

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-37.94	-20	Pass
NVNT	b	2442	Ant1	-39.08	-20	Pass
NVNT	b	2472	Ant1	-39.27	-20	Pass
NVNT	g	2412	Ant1	-34.73	-20	Pass
NVNT	g	2442	Ant1	-36.03	-20	Pass
NVNT	g	2472	Ant1	-35.44	-20	Pass
NVNT	n20	2412	Ant1	-32.84	-20	Pass
NVNT	n20	2442	Ant1	-33.33	-20	Pass
NVNT	n20	2472	Ant1	-36.25	-20	Pass

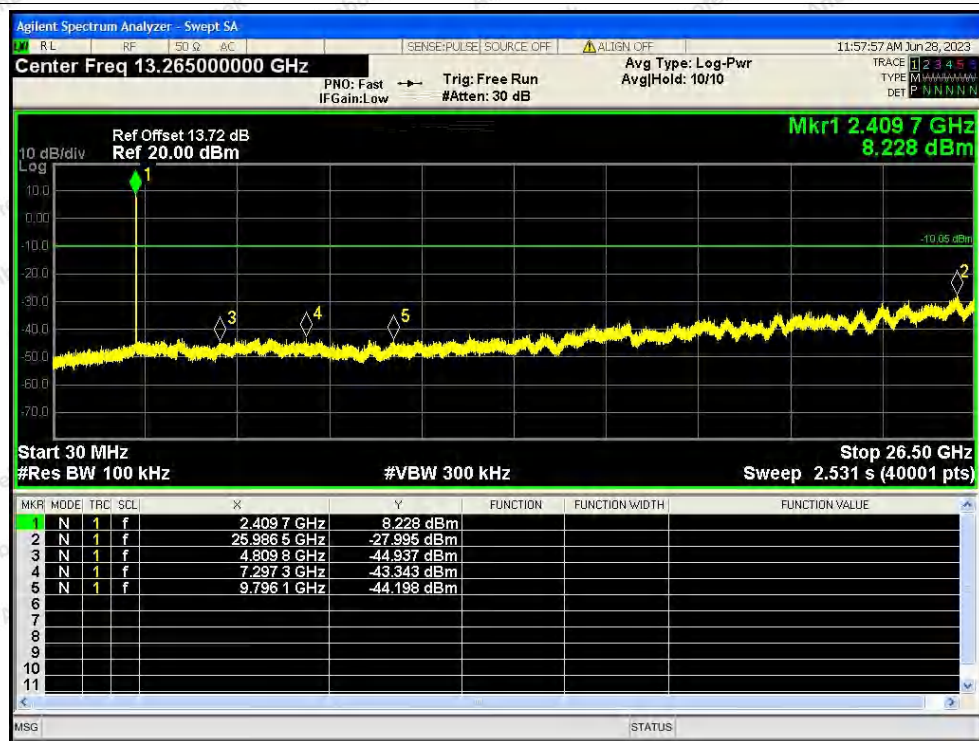


Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission



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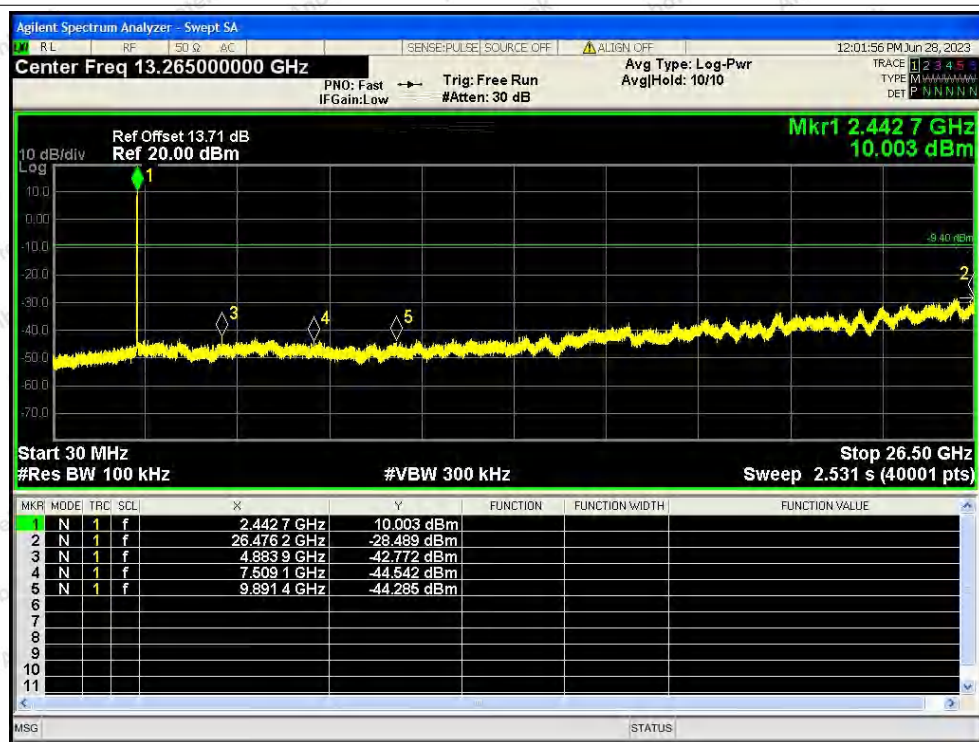
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Tx. Spurious NVNT b 2442MHz Ant1 Ref



Tx. Spurious NVNT b 2442MHz Ant1 Emission



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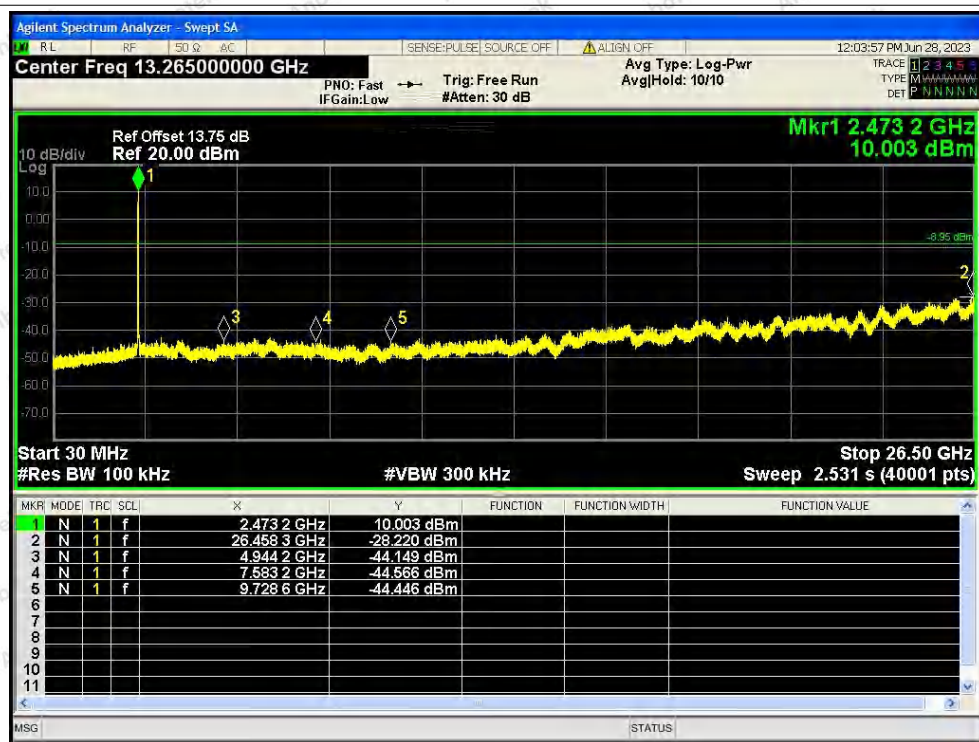
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Tx. Spurious NVNT b 2472MHz Ant1 Emission



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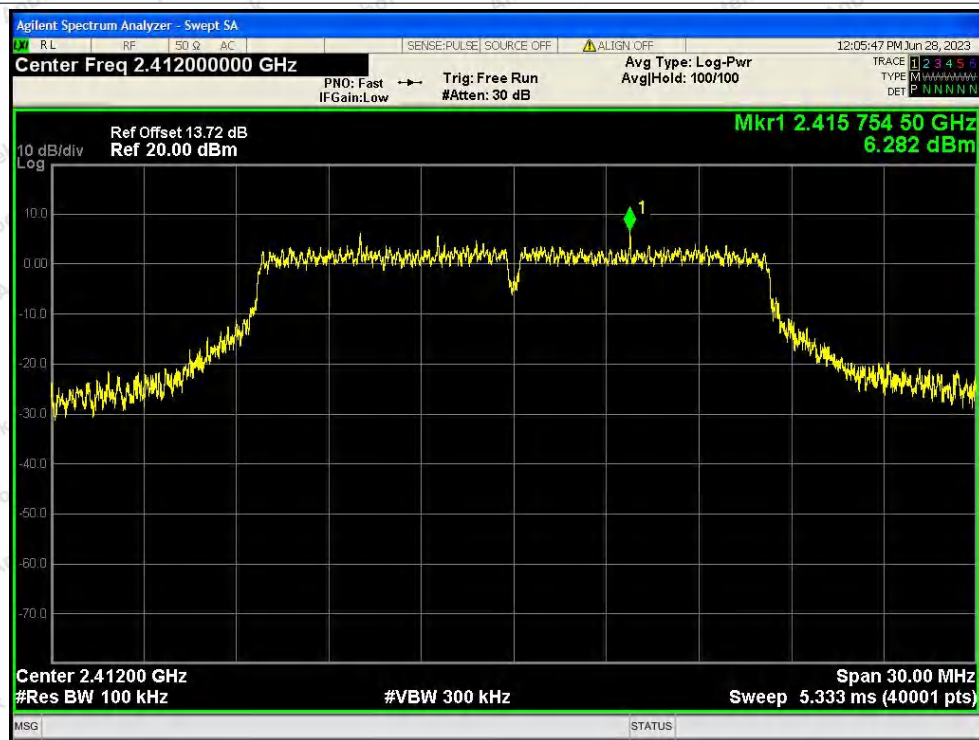
Hotline

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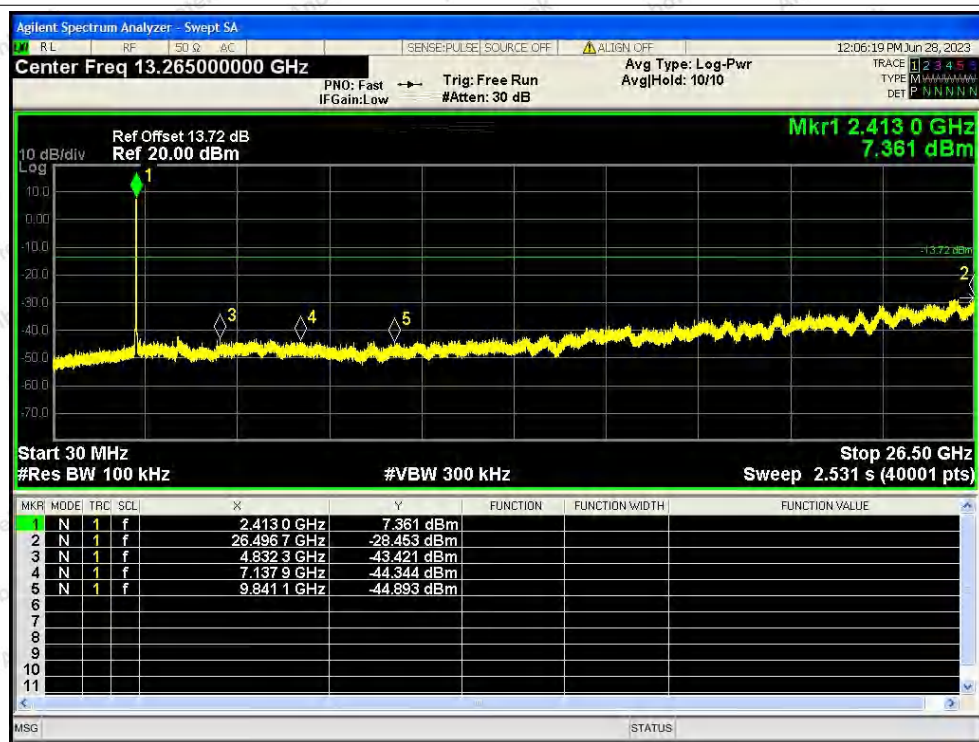
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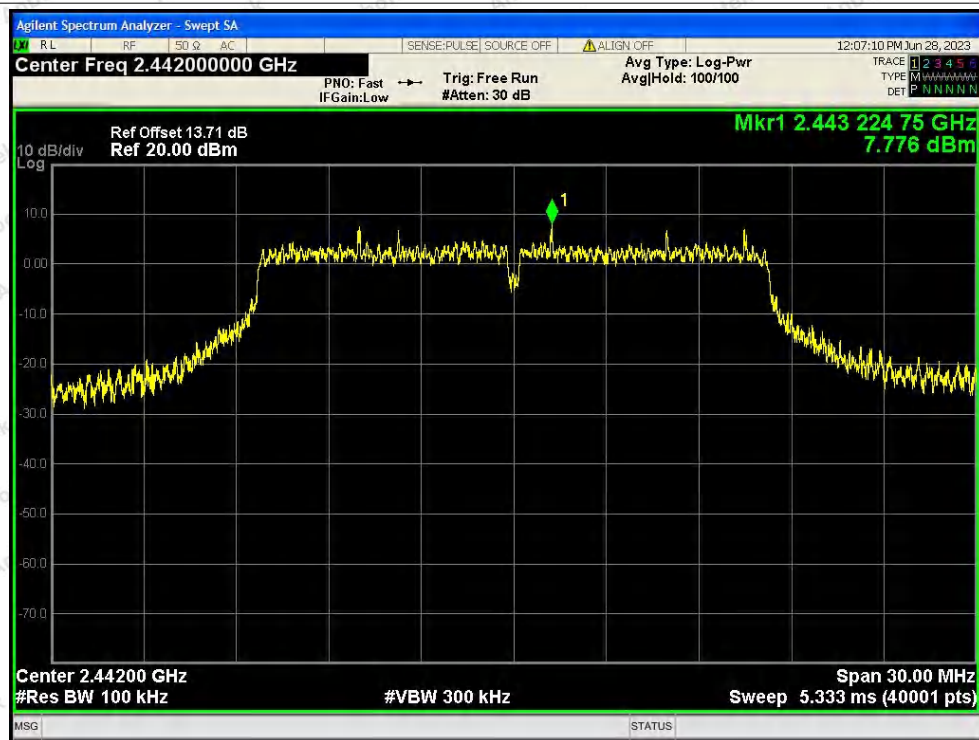
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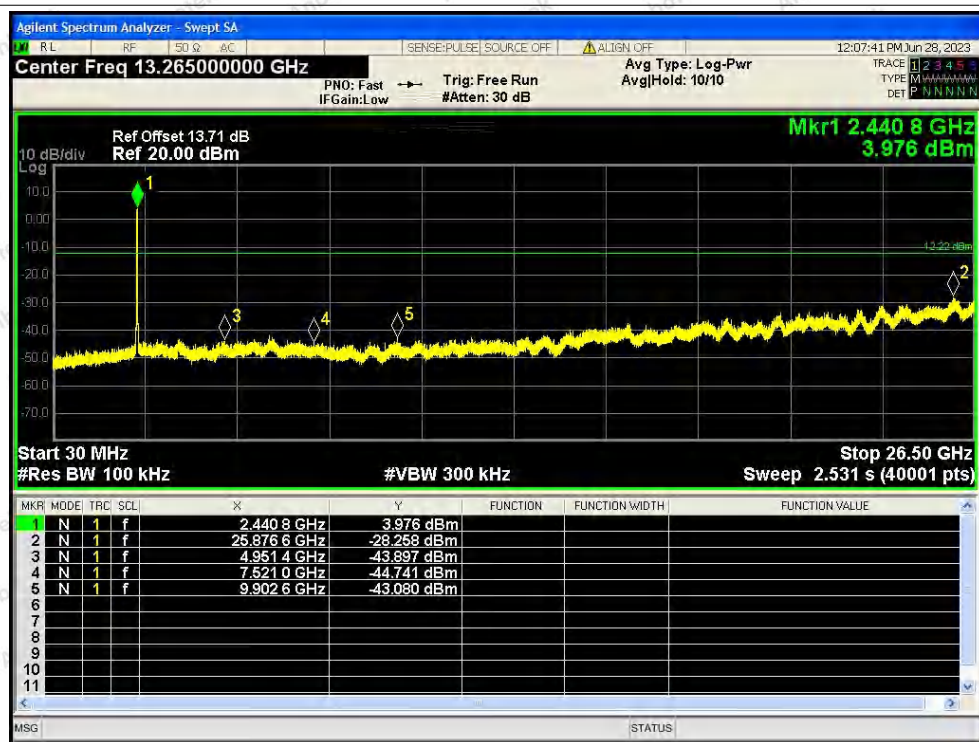
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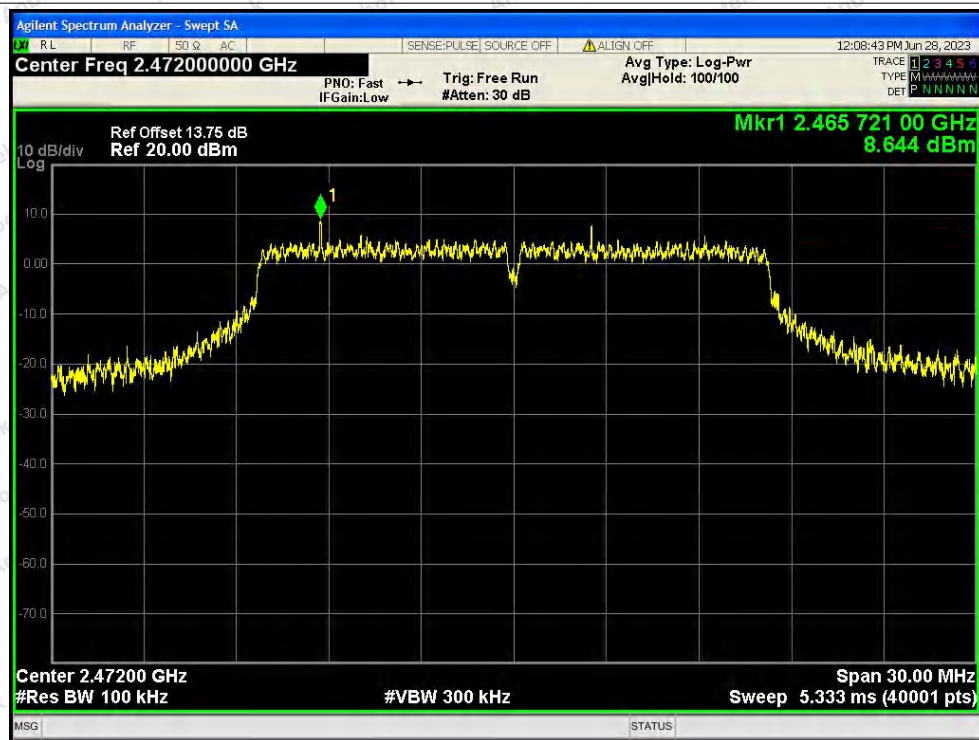
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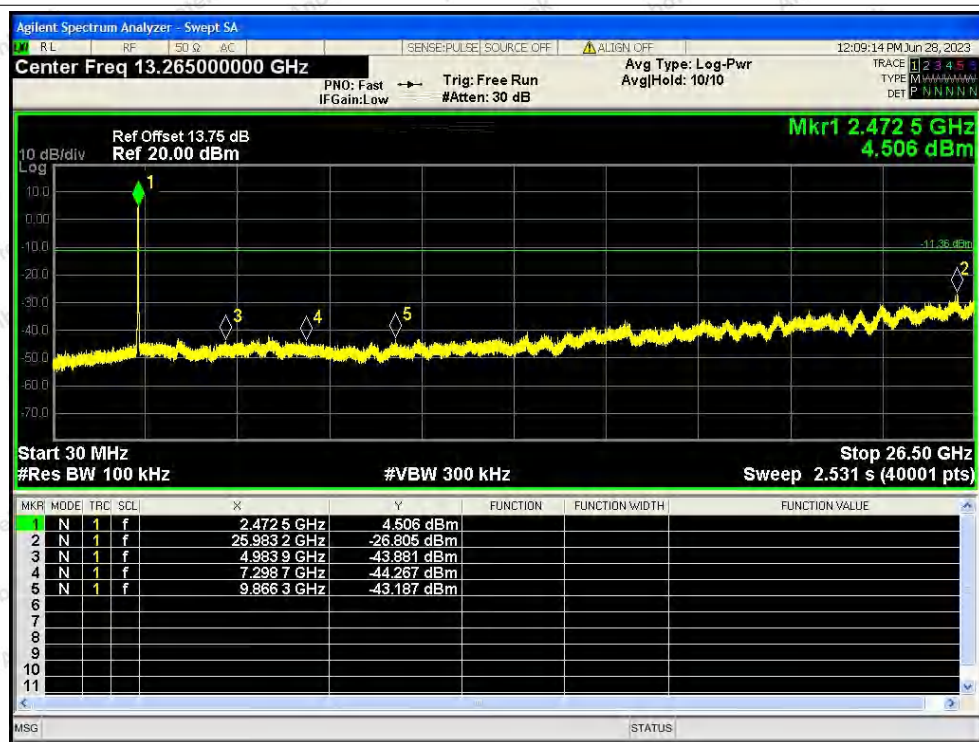
Tx. Spurious NVNT g 2442MHz Ant1 Emission



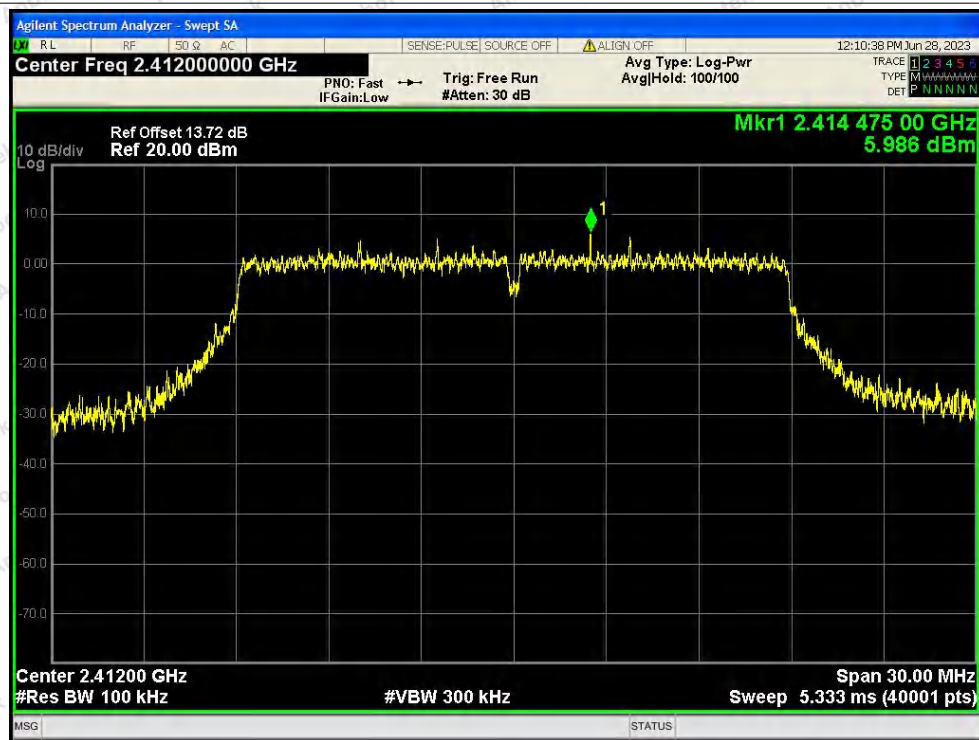
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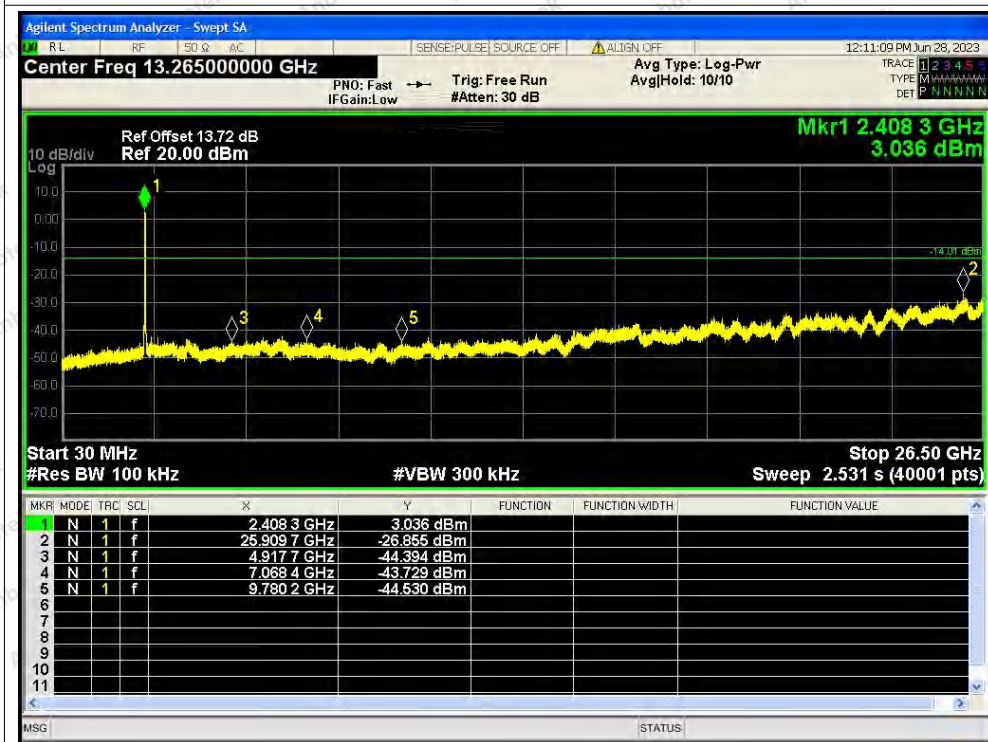
Tx. Spurious NVNT g 2472MHz Ant1 Emission



Tx. Spurious NVNT n20 2412MHz Ant1 Ref



Tx. Spurious NVNT n20 2412MHz Ant1 Emission



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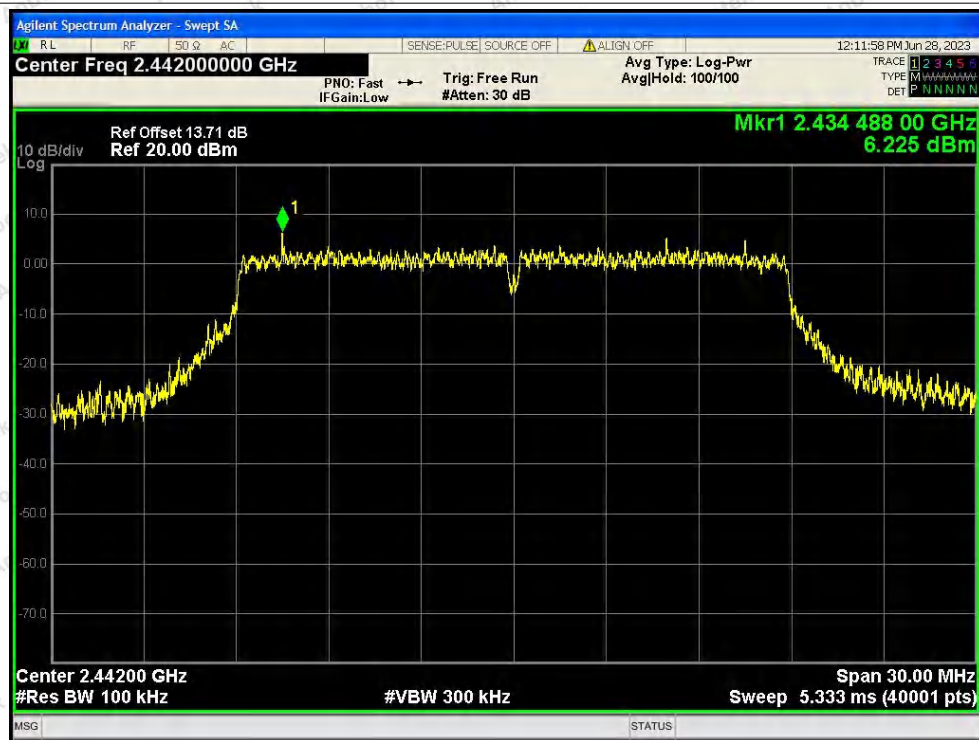
Hotline

400-003-0500

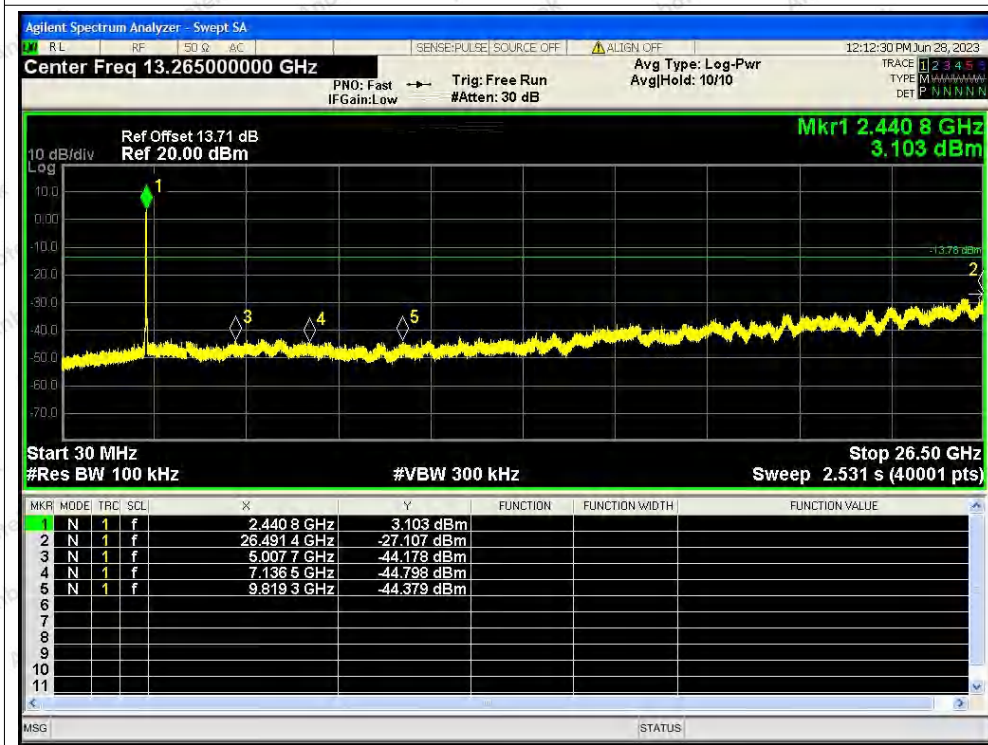
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Tx. Spurious NVNT n20 2442MHz Ant1 Ref



Tx. Spurious NVNT n20 2442MHz Ant1 Emission



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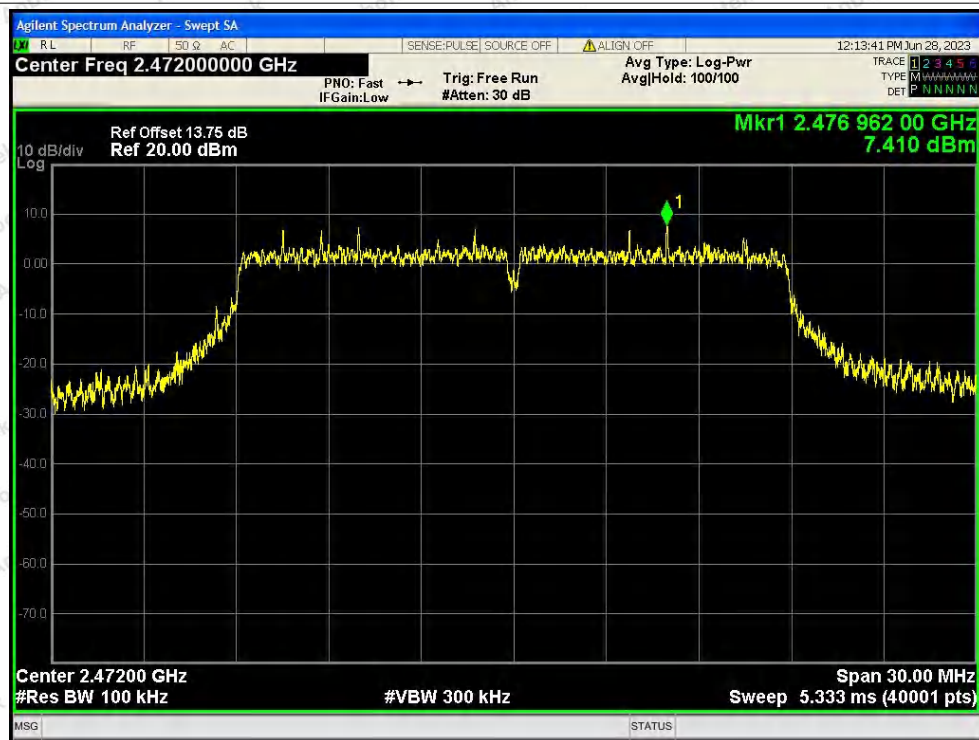
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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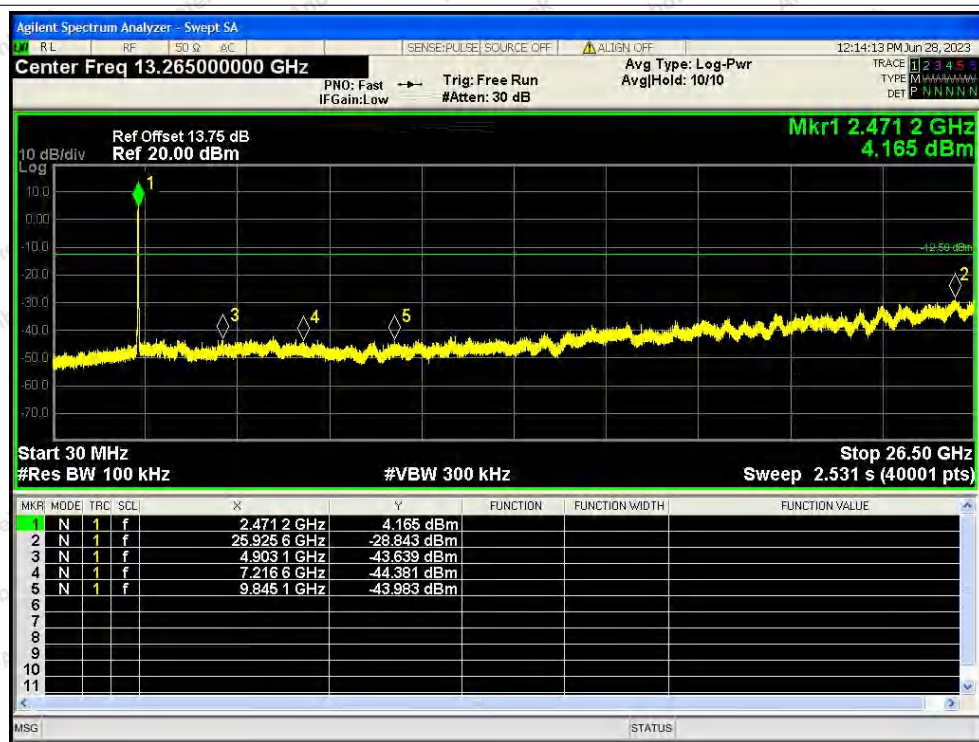
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Tx. Spurious NVNT n20 2472MHz Ant1 Emission



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A.6. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-46.06	-20	Pass
NVNT	b	2472	Ant1	-40.01	-20	Pass
NVNT	g	2412	Ant1	-29.1	-20	Pass
NVNT	g	2472	Ant1	-23.51	-20	Pass
NVNT	n20	2412	Ant1	-30.25	-20	Pass
NVNT	n20	2472	Ant1	-24.24	-20	Pass

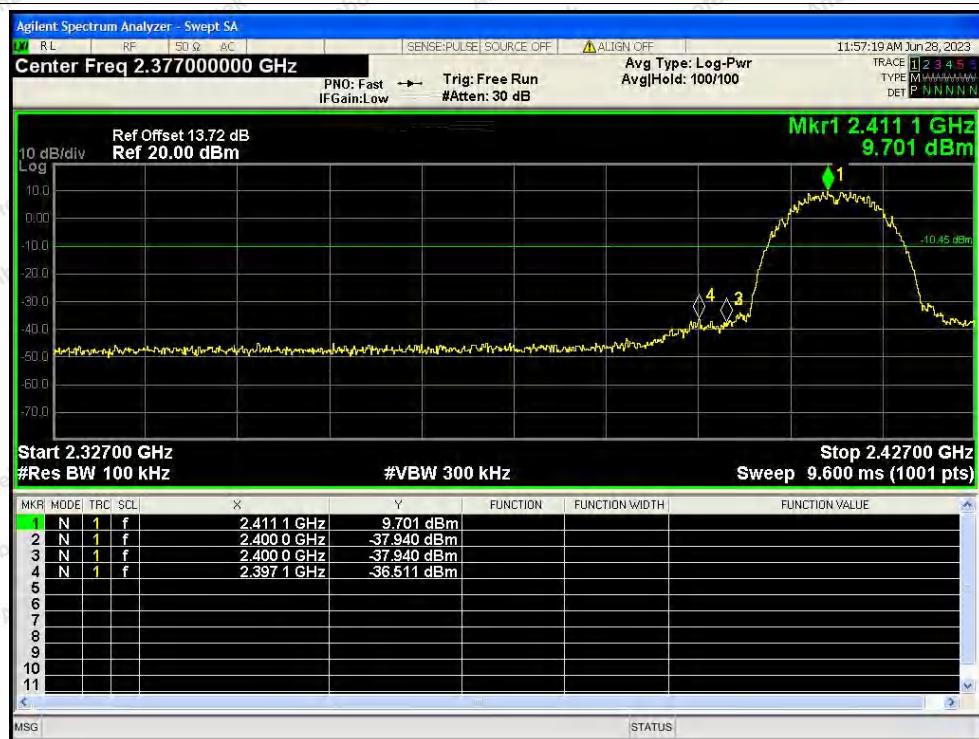


Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



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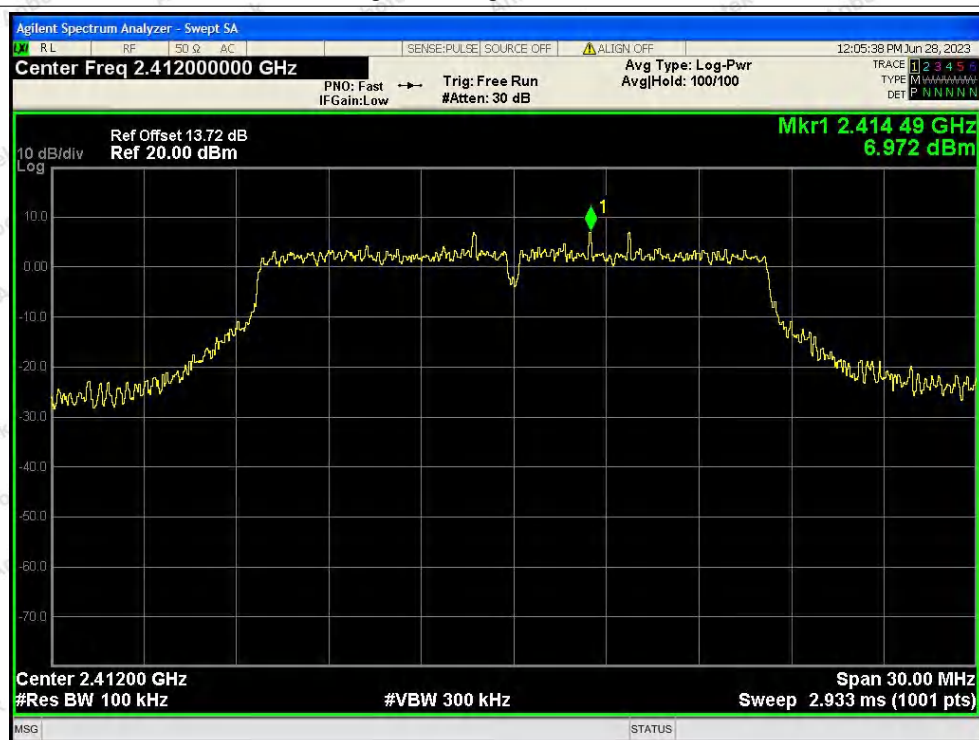
Band Edge NVNT b 2472MHz Ant1 Ref



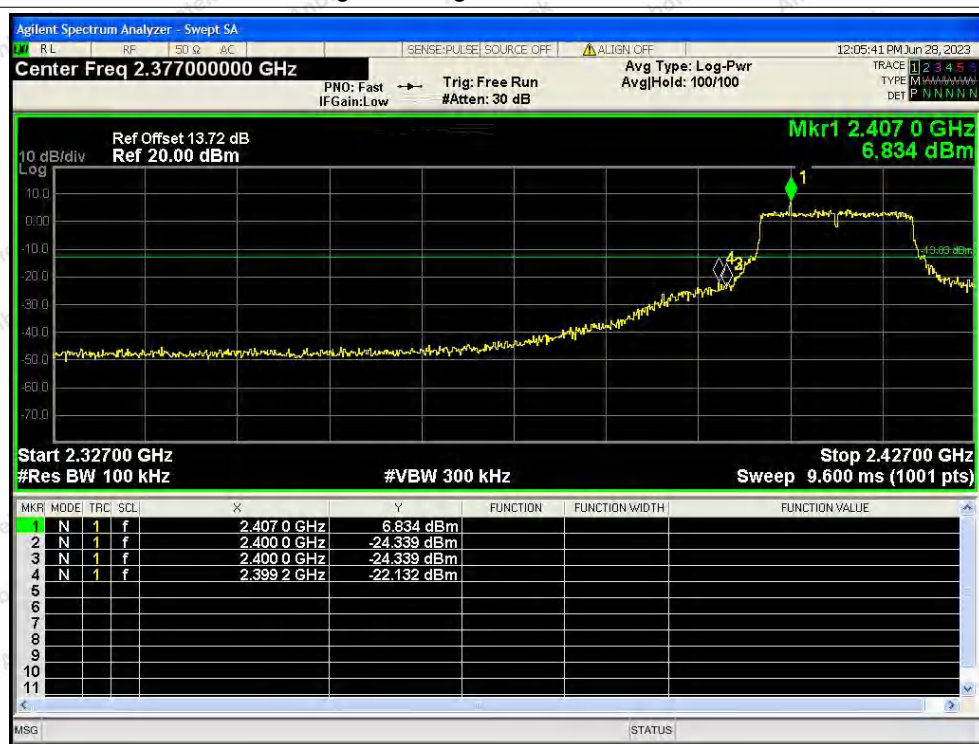
Band Edge NVNT b 2472MHz Ant1 Emission



Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission



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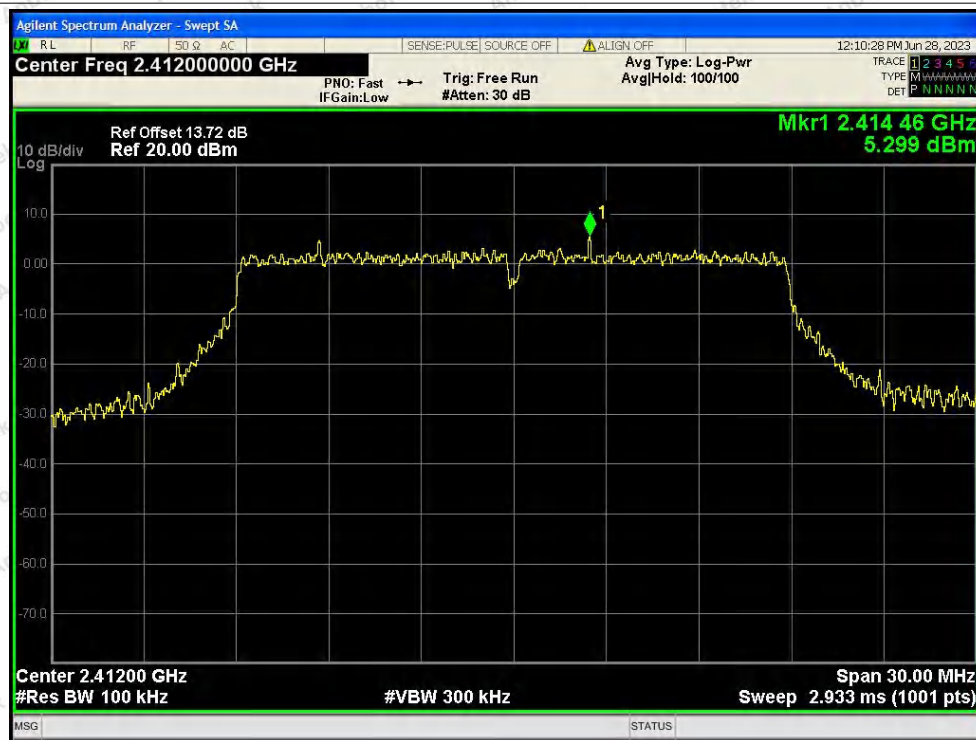
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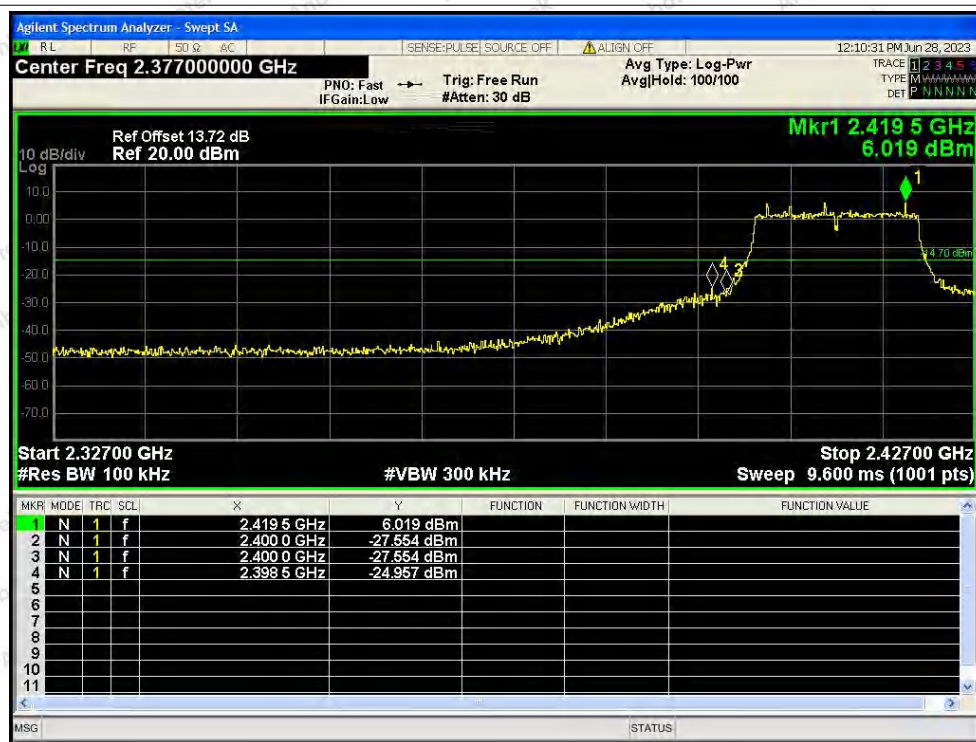
Band Edge NVNT g 2472MHz Ant1 Emission



Band Edge NVNT n20 2412MHz Ant1 Ref



Band Edge NVNT n20 2412MHz Ant1 Emission



Band Edge NVNT n20 2472MHz Ant1 Ref



Band Edge NVNT n20 2472MHz Ant1 Emission



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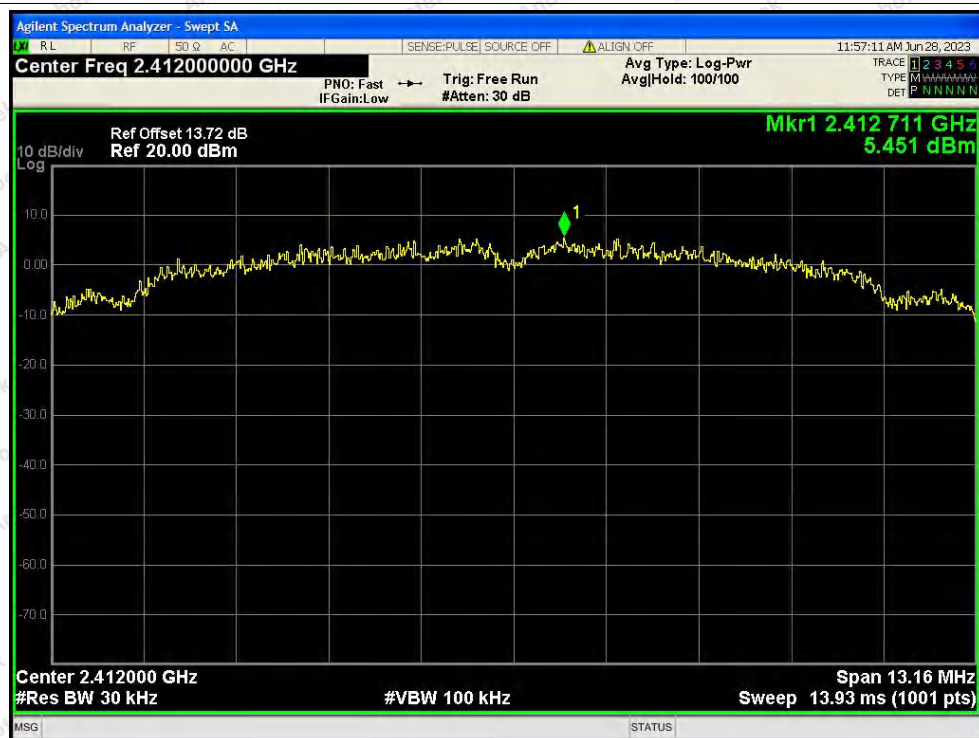
A.7. Power Spectral Density

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-4.55	0	-4.55	8	Pass
NVNT	b	2442	Ant1	-4.27	0	-4.27	8	Pass
NVNT	b	2472	Ant1	-3.27	0	-3.27	8	Pass
NVNT	g	2412	Ant1	-7.74	0	-7.74	8	Pass
NVNT	g	2442	Ant1	-7.16	0	-7.16	8	Pass
NVNT	g	2472	Ant1	-6.62	0	-6.62	8	Pass
NVNT	n20	2412	Ant1	-8.92	0	-8.92	8	Pass
NVNT	n20	2442	Ant1	-8.21	0	-8.21	8	Pass
NVNT	n20	2472	Ant1	-7.82	0	-7.82	8	Pass

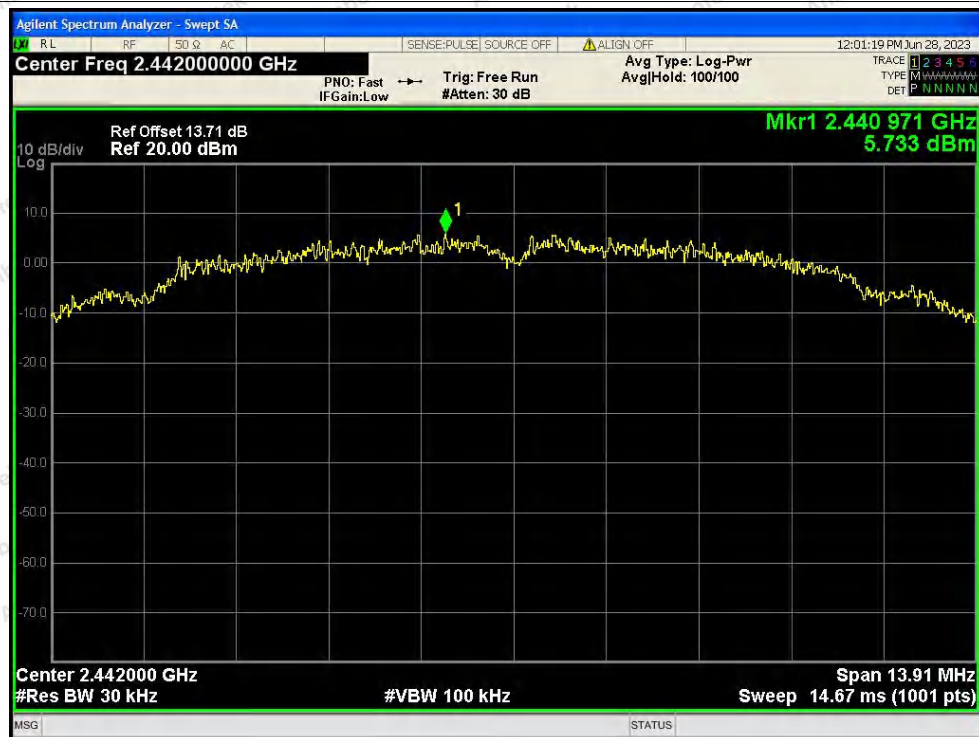


Test Graphs

PSD NVNT b 2412MHz Ant1



PSD NVNT b 2442MHz Ant1



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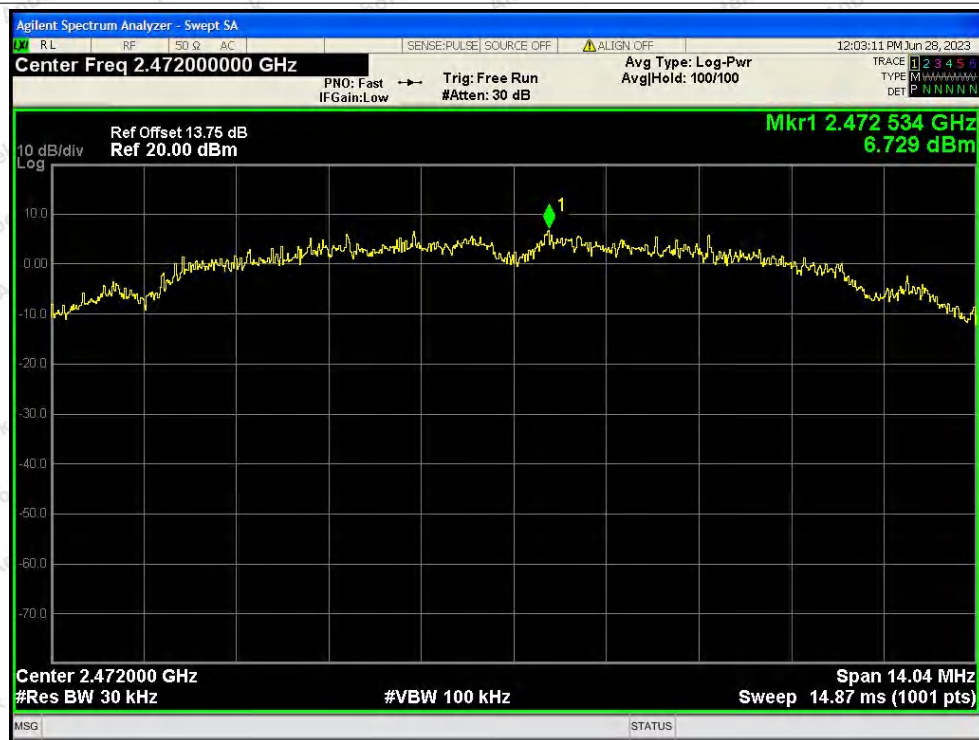
Hotline

400-003-0500

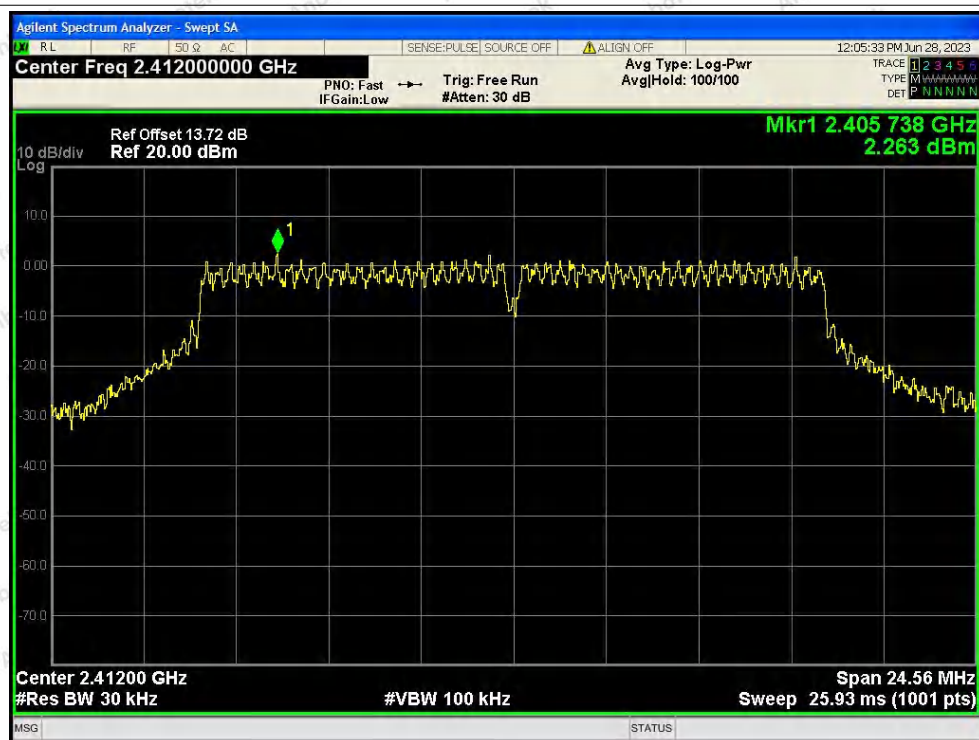
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PSD NVNT b 2472MHz Ant1



PSD NVNT g 2412MHz Ant1



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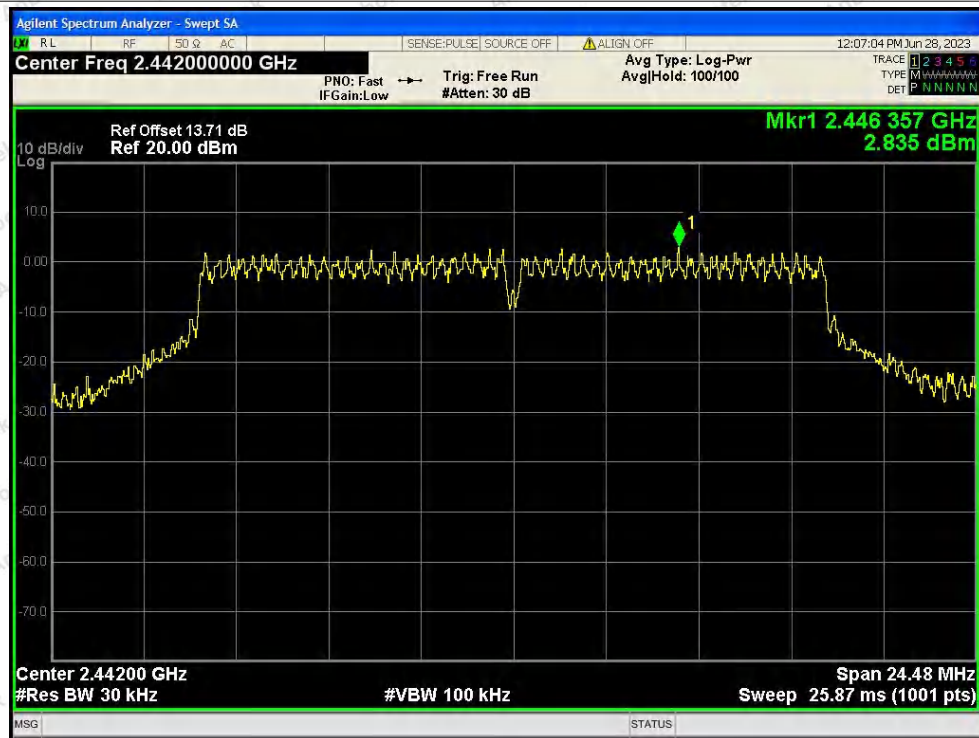
Hotline

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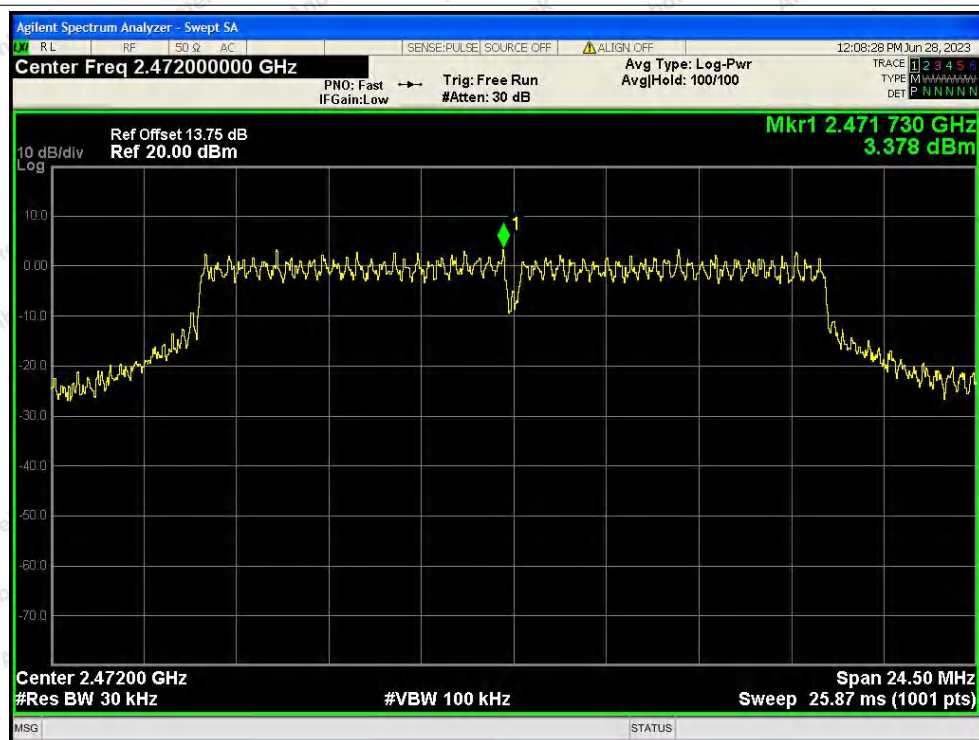
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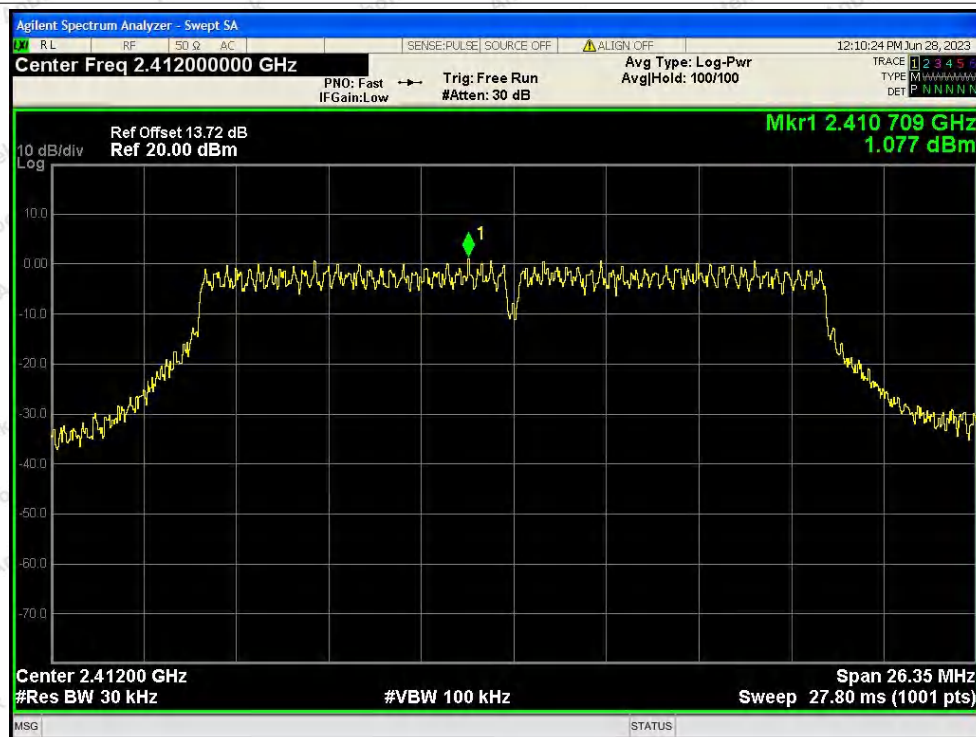
PSD NVNT g 2442MHz Ant1



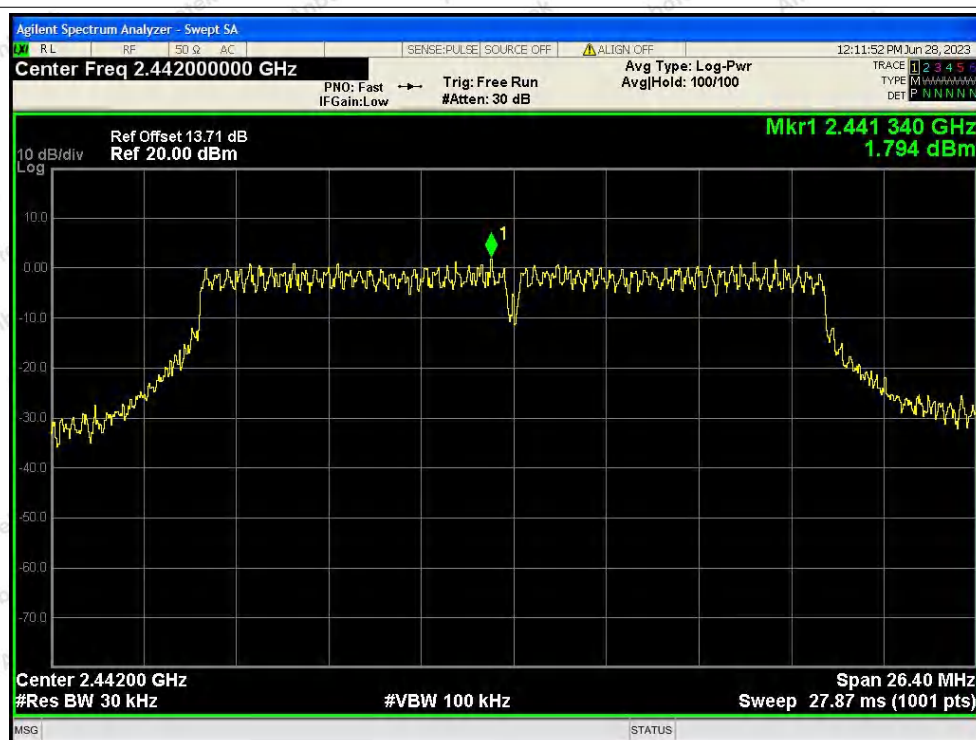
PSD NVNT g 2472MHz Ant1

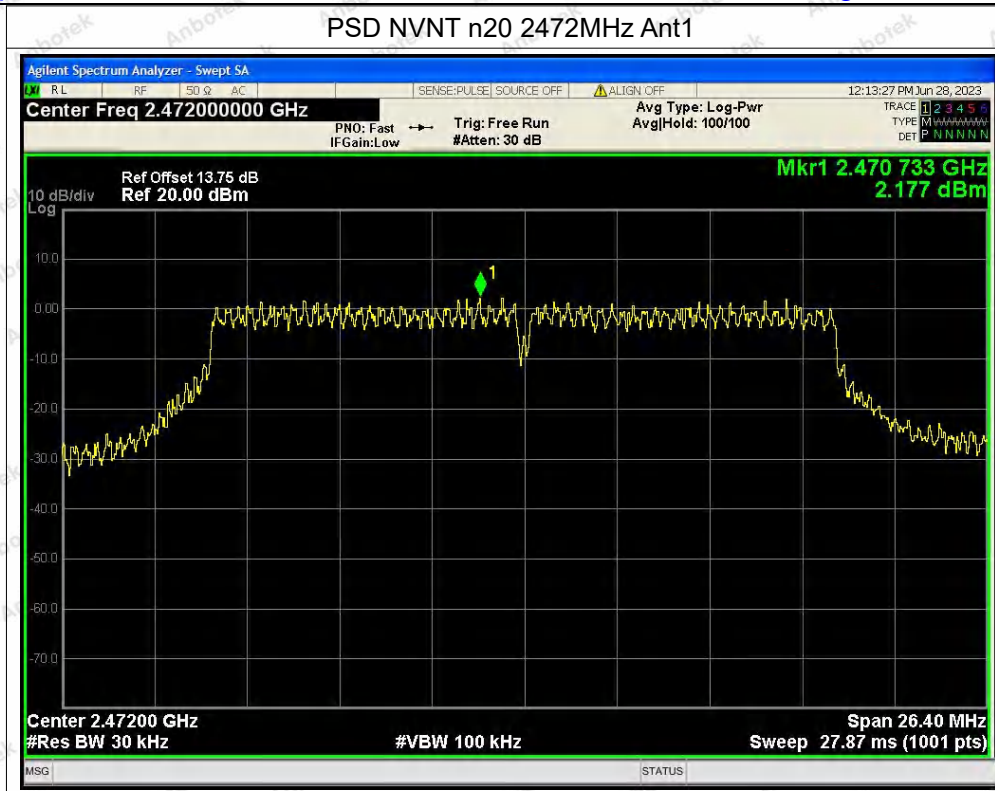


PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2442MHz Ant1





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