

Appendix Test Data

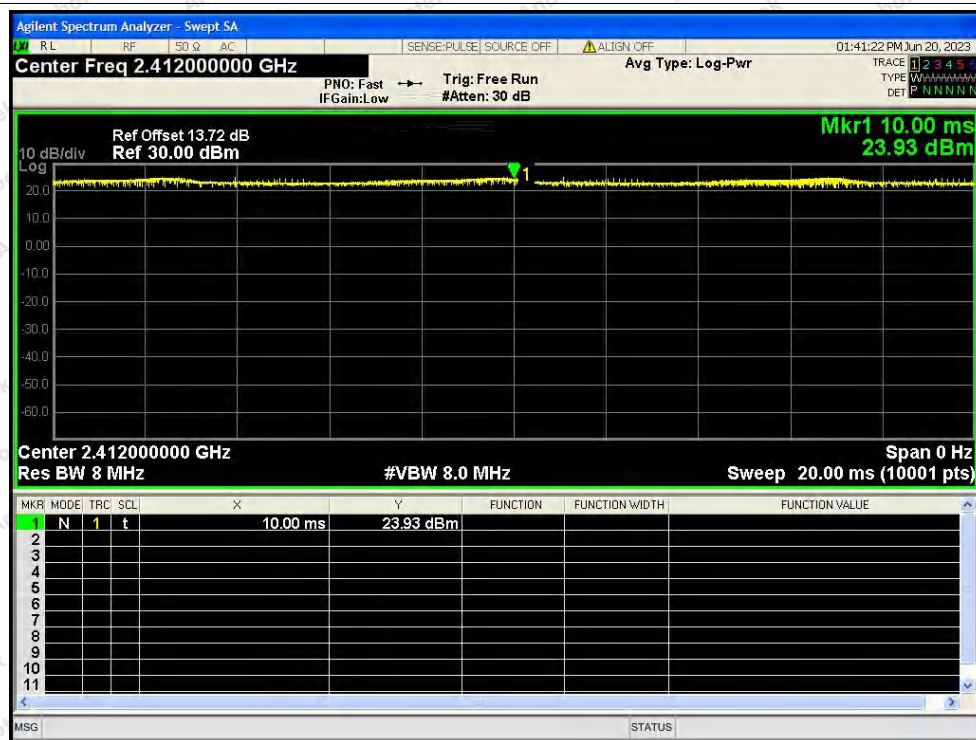
Duty Cycle of Test Signal

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	100	0	0
NVNT	g	2442	Ant1	100	0	0
NVNT	g	2472	Ant1	100	0	0
NVNT	n20	2412	Ant1	100	0	0
NVNT	n20	2442	Ant1	100	0	0
NVNT	n20	2472	Ant1	100	0	0

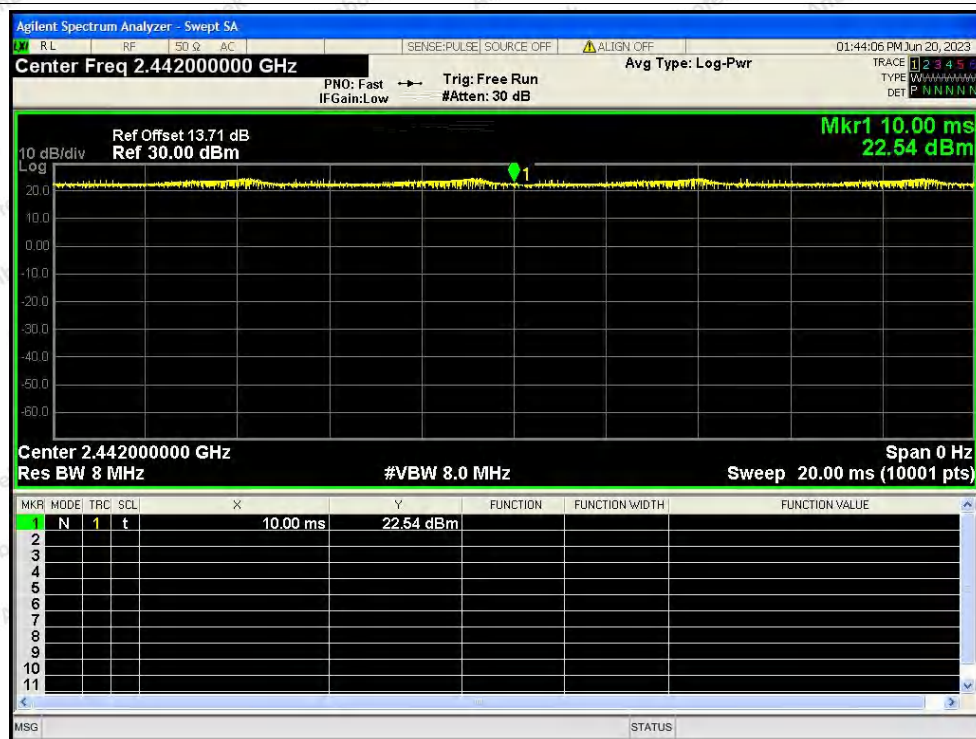


Test Graphs

Duty Cycle NVNT b 2412MHz Ant1



Duty Cycle NVNT b 2442MHz Ant1



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Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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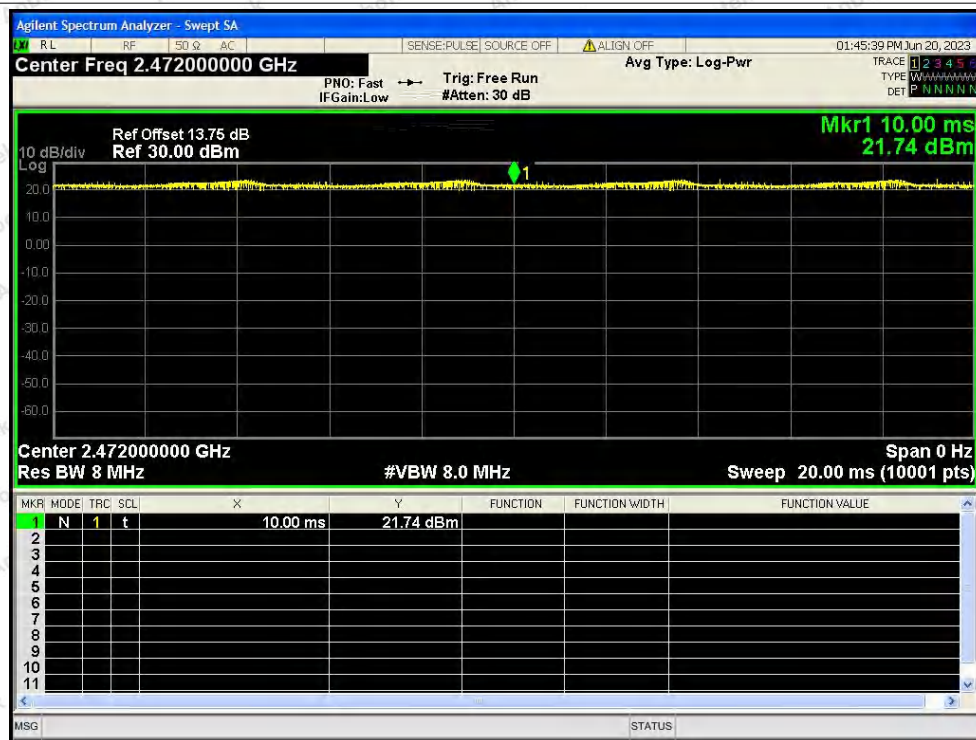
Hotline

400-003-0500

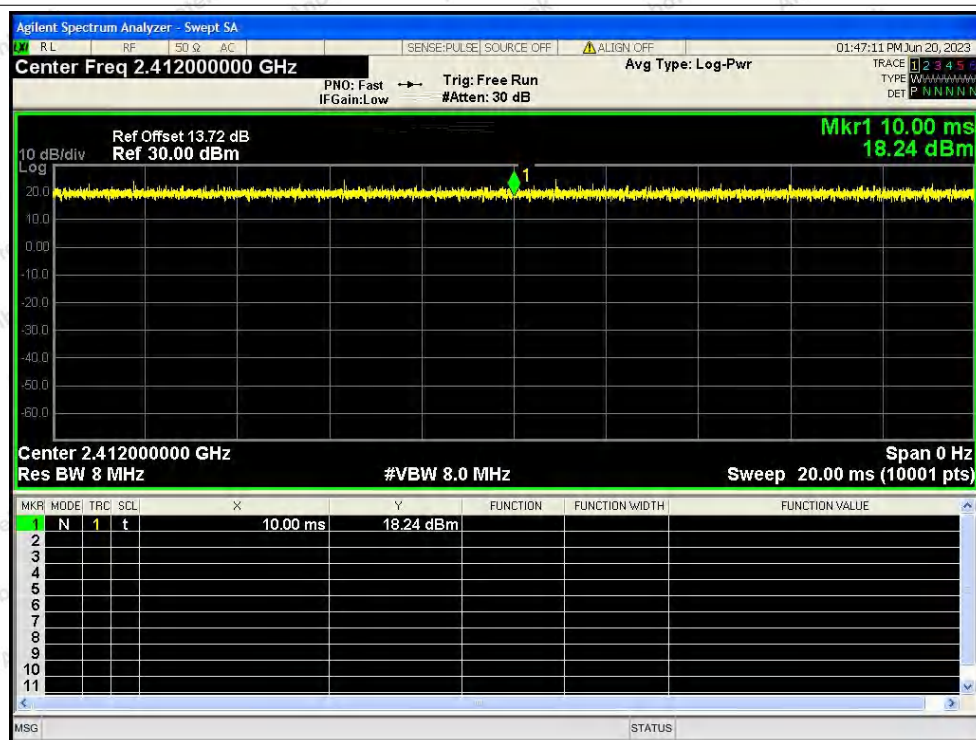
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Duty Cycle NVNT b 2472MHz Ant1



Duty Cycle NVNT g 2412MHz Ant1



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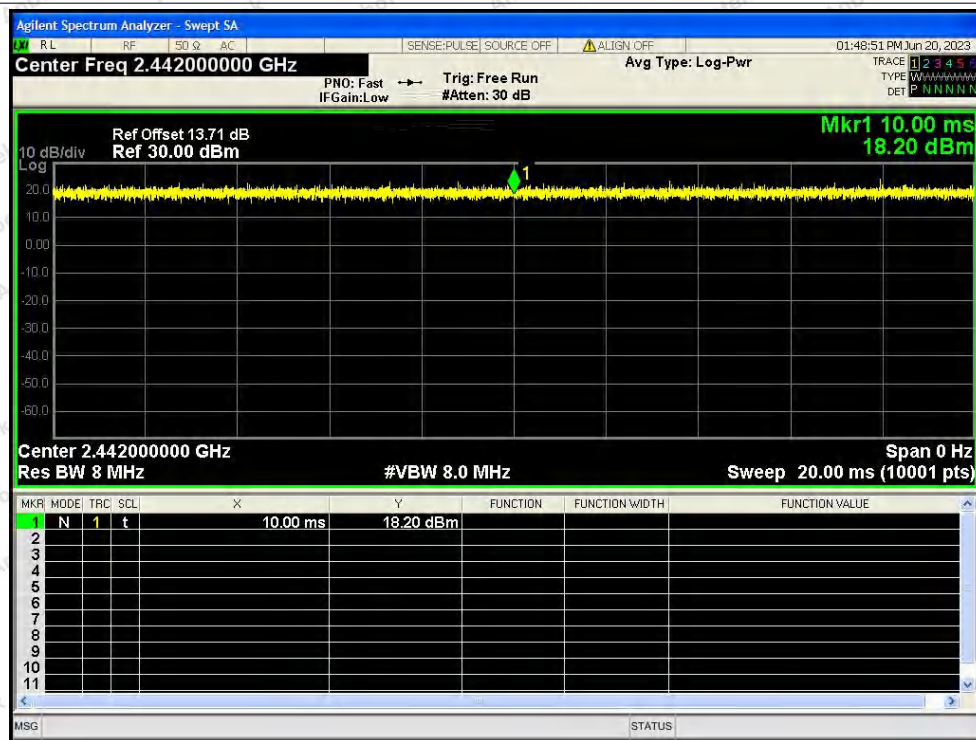
Hotline

400-003-0500

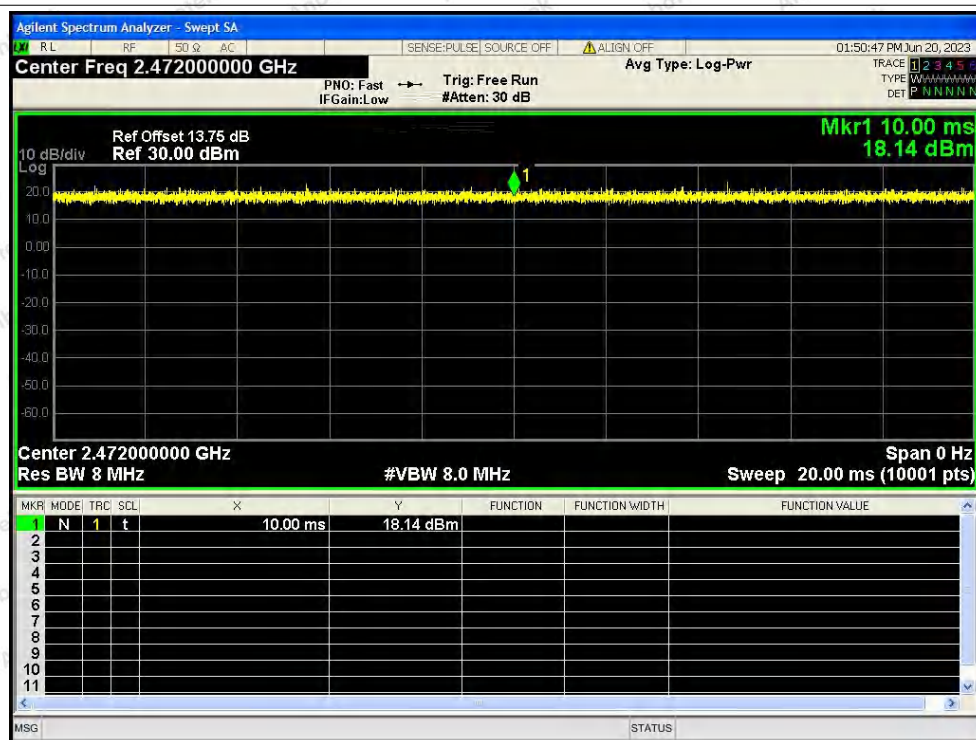
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Duty Cycle NVNT g 2442MHz Ant1



Duty Cycle NVNT g 2472MHz Ant1



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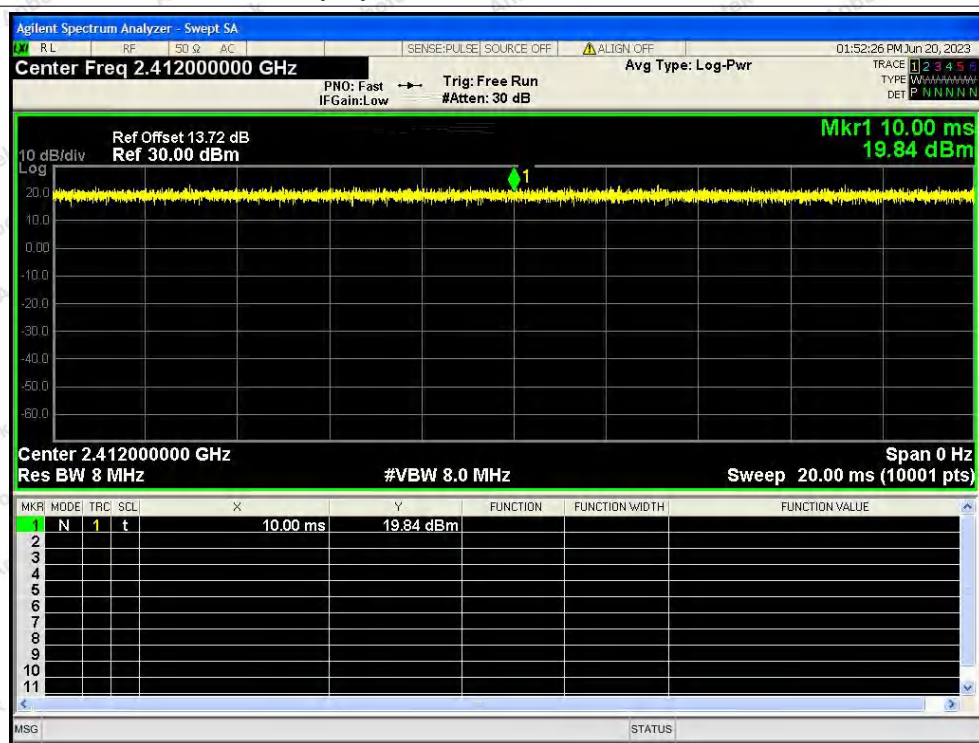
Hotline

400-003-0500

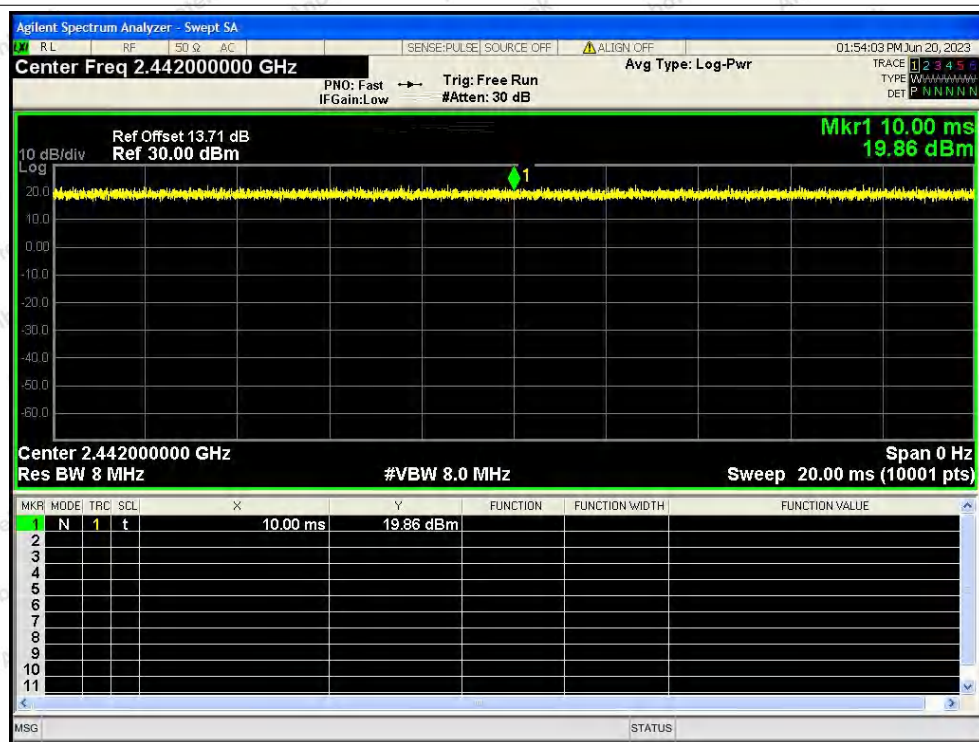
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Duty Cycle NVNT n20 2412MHz Ant1



Duty Cycle NVNT n20 2442MHz Ant1



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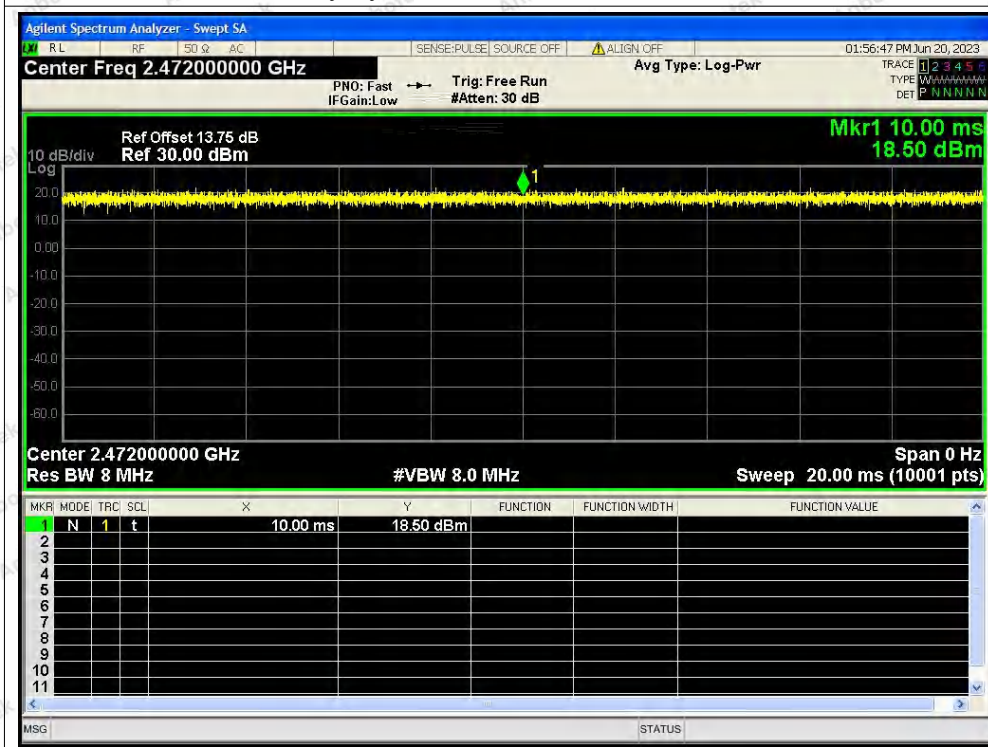
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Duty Cycle NVNT n20 2472MHz Ant1



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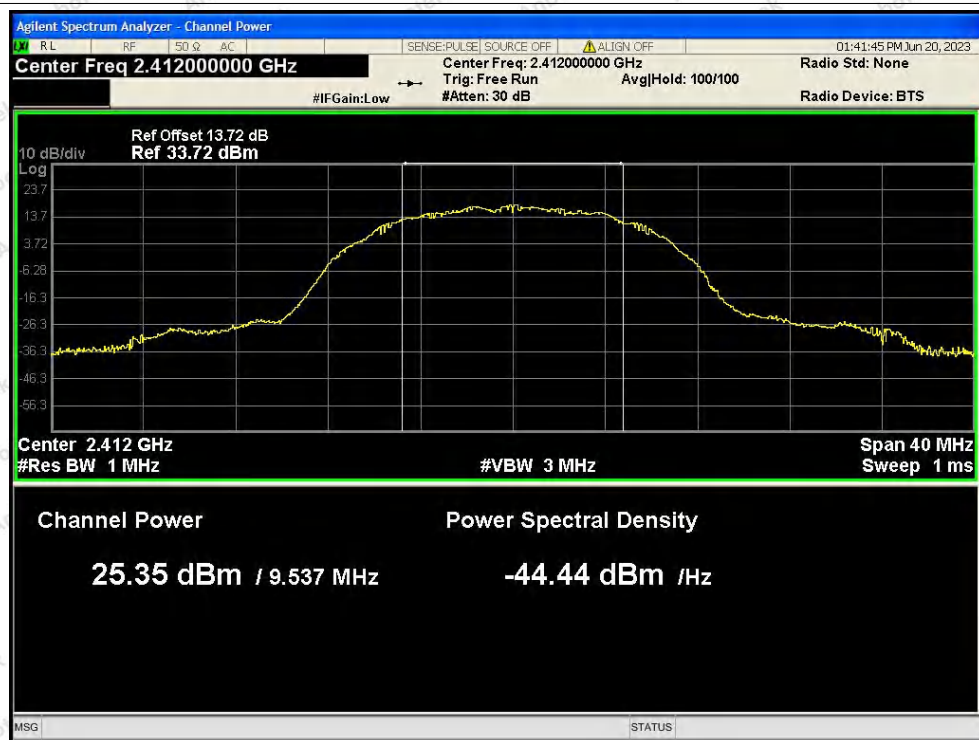
Maximum Peak Conducted Output Power

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	25.35	0	25.35	342.77	30	Pass
NVNT	b	2442	Ant1	24.99	0	24.99	315.5	30	Pass
NVNT	b	2472	Ant1	24.38	0	24.38	274.16	30	Pass
NVNT	g	2412	Ant1	24.57	0	24.57	286.42	30	Pass
NVNT	g	2442	Ant1	24.51	0	24.51	282.49	30	Pass
NVNT	g	2472	Ant1	23.6	0	23.6	229.09	30	Pass
NVNT	n20	2412	Ant1	24.55	0	24.55	285.1	30	Pass
NVNT	n20	2442	Ant1	24.35	0	24.35	272.27	30	Pass
NVNT	n20	2472	Ant1	23.55	0	23.55	226.46	30	Pass

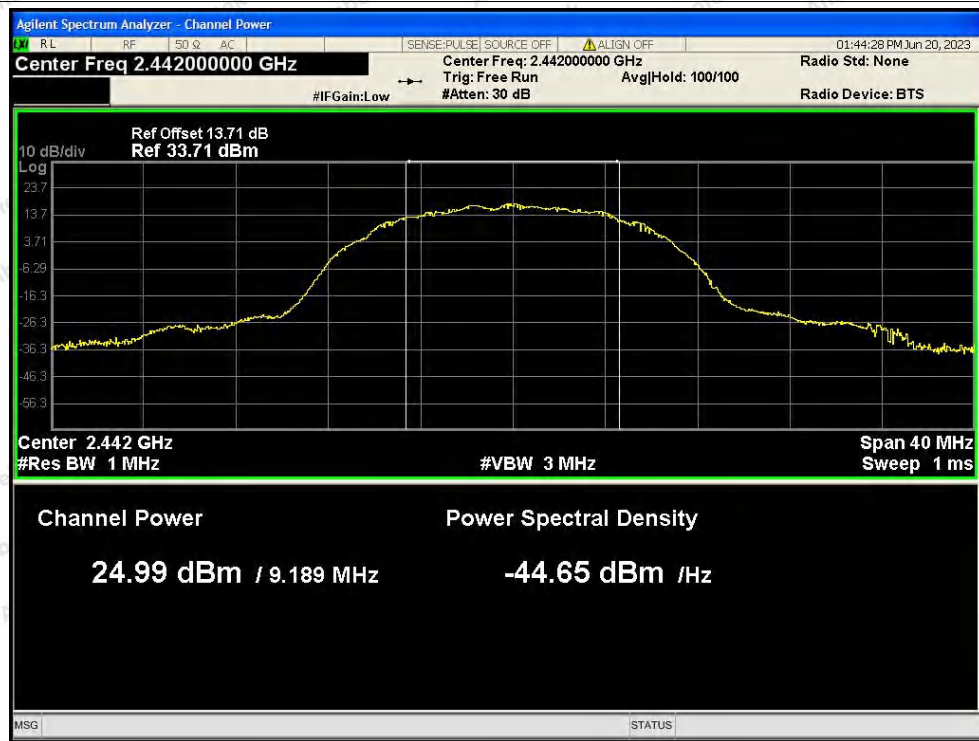


Test Graphs

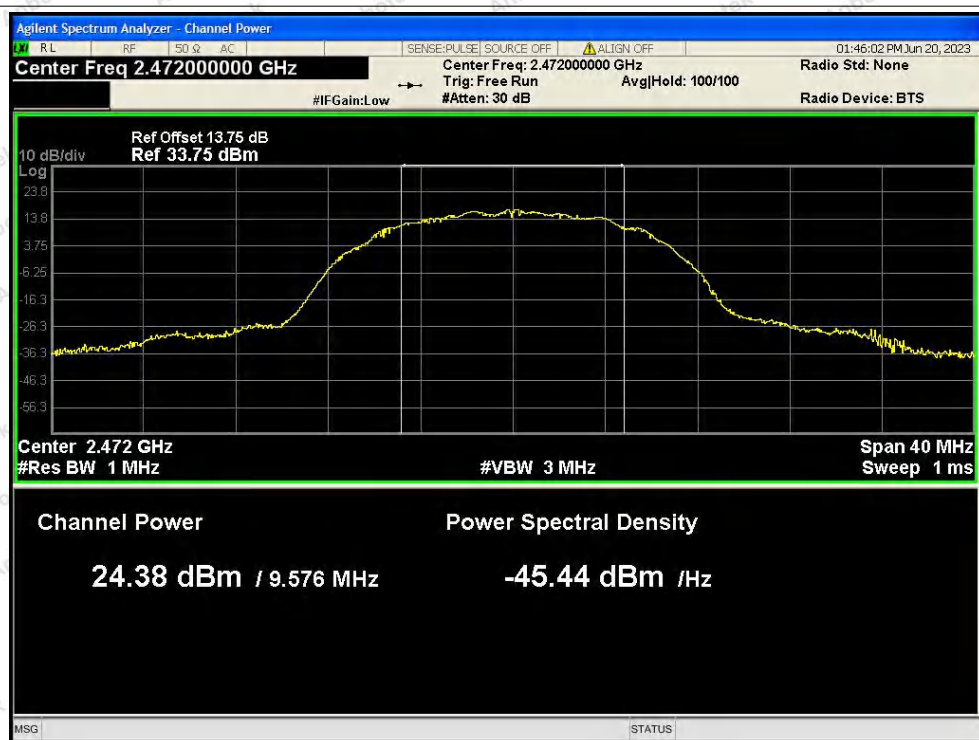
Peak Power NVNT b 2412MHz Ant1



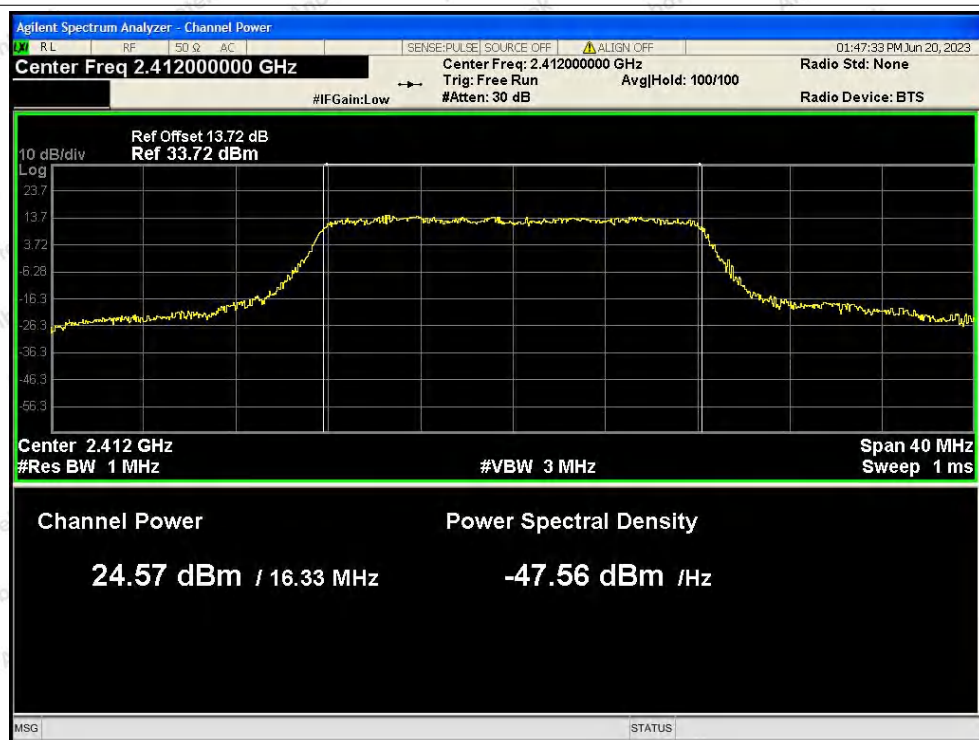
Peak Power NVNT b 2442MHz Ant1



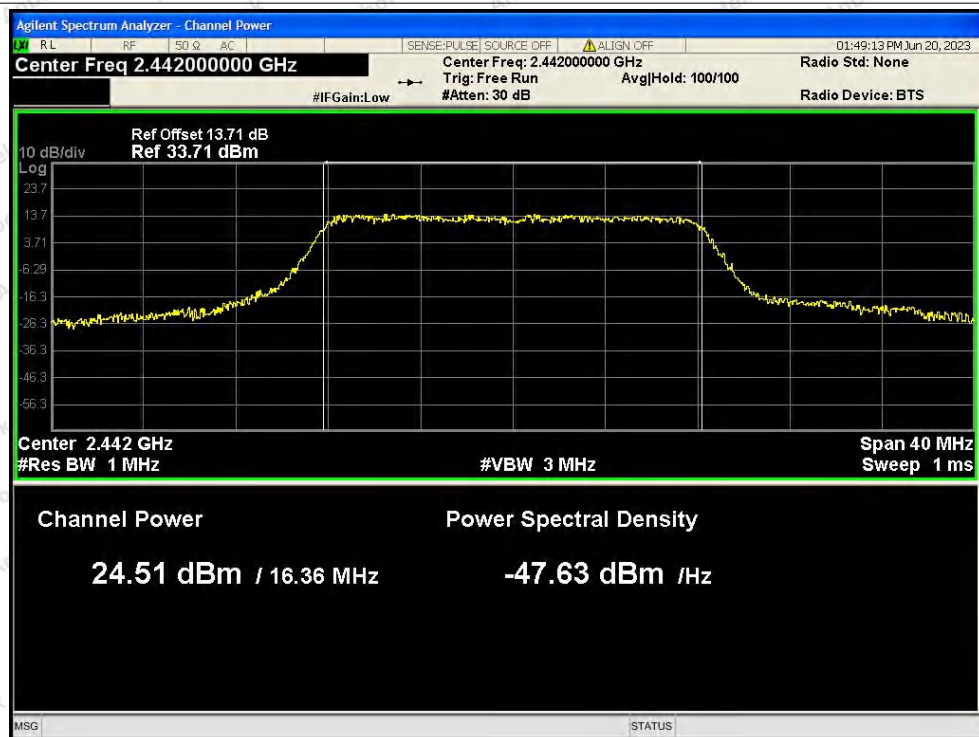
Peak Power NVNT b 2472MHz Ant1



Peak Power NVNT g 2412MHz Ant1



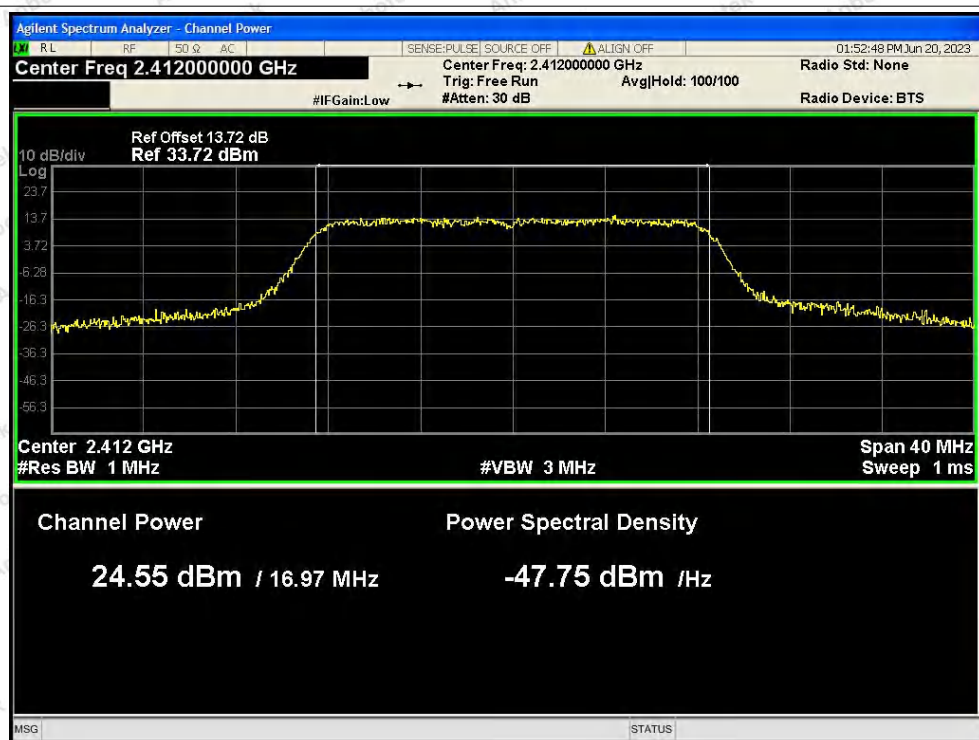
Peak Power NVNT g 2442MHz Ant1



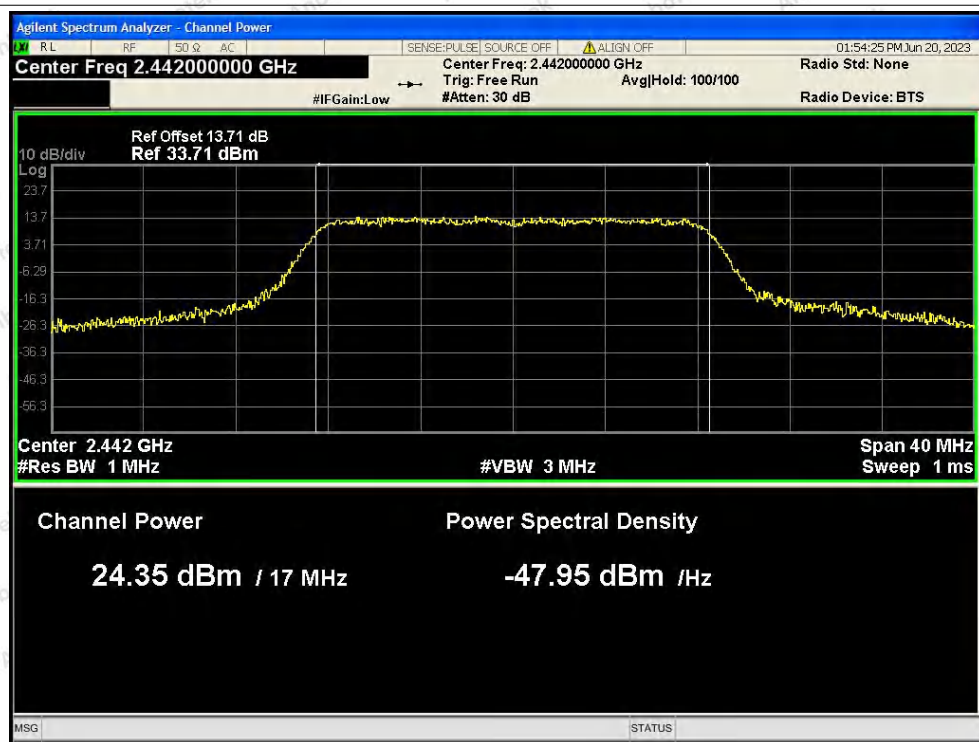
Peak Power NVNT g 2472MHz Ant1



Peak Power NVNT n20 2412MHz Ant1



Peak Power NVNT n20 2442MHz Ant1



Peak Power NVNT n20 2472MHz Ant1



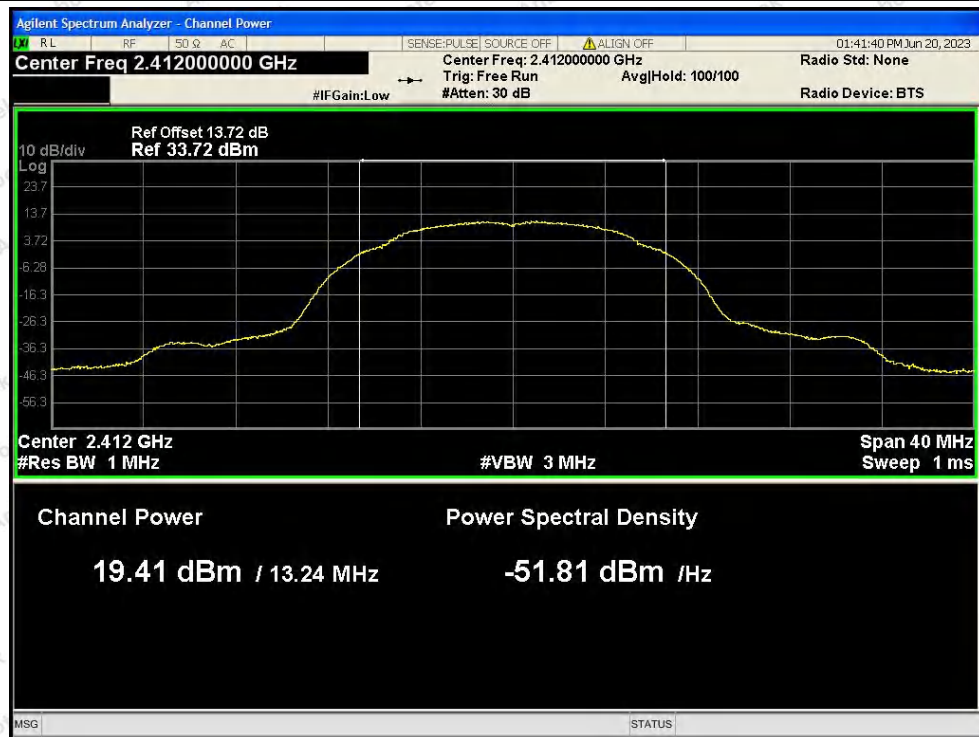
Maximum Average Conducted Output Power

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	19.41	0	19.41	87.3	30	Pass
NVNT	b	2442	Ant1	19.05	0	19.05	80.35	30	Pass
NVNT	b	2472	Ant1	18.35	0	18.35	68.39	30	Pass
NVNT	g	2412	Ant1	17.55	0	17.55	56.89	30	Pass
NVNT	g	2442	Ant1	17.34	0	17.34	54.2	30	Pass
NVNT	g	2472	Ant1	16.5	0	16.5	44.67	30	Pass
NVNT	n20	2412	Ant1	17.38	0	17.38	54.7	30	Pass
NVNT	n20	2442	Ant1	17.19	0	17.19	52.36	30	Pass
NVNT	n20	2472	Ant1	16.39	0	16.39	43.55	30	Pass

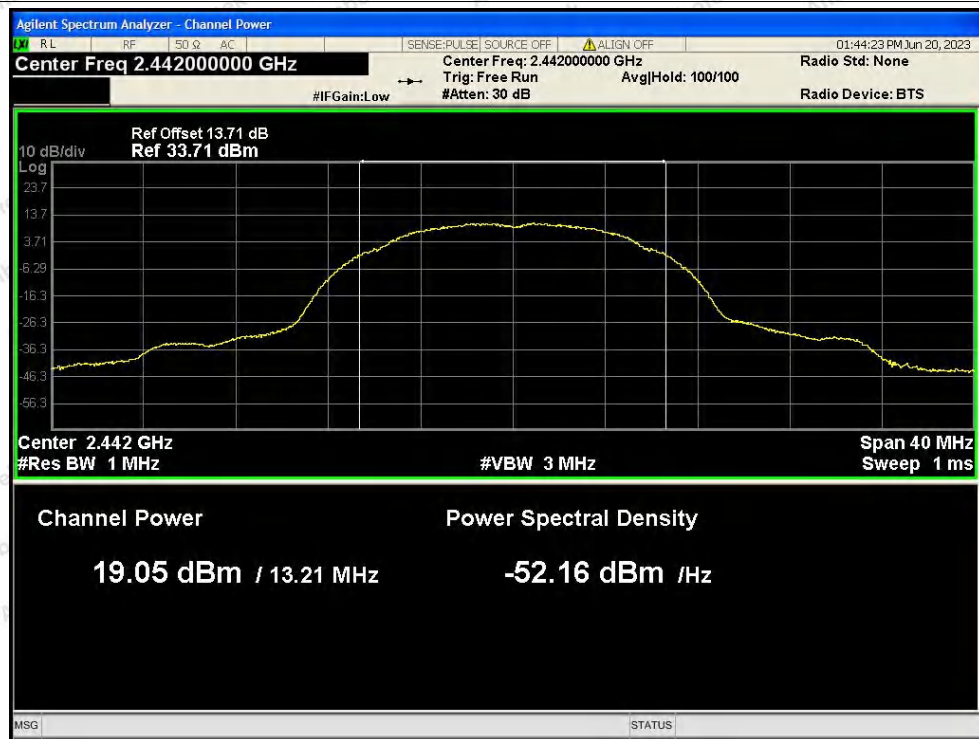


Test Graphs

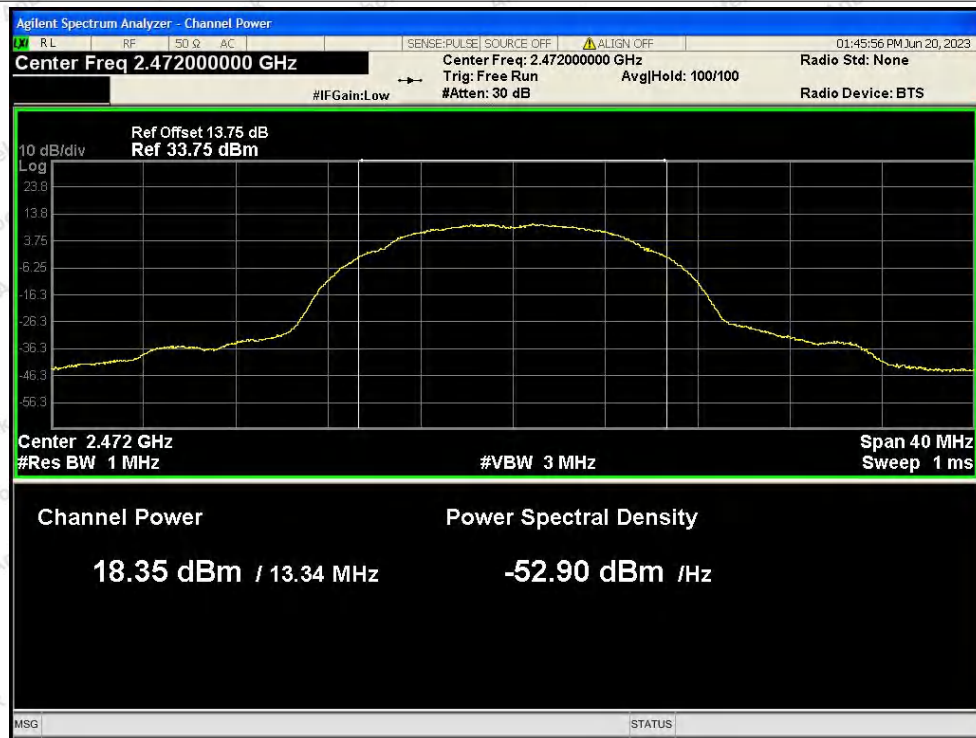
Average Power NVNT b 2412MHz Ant1



Average Power NVNT b 2442MHz Ant1



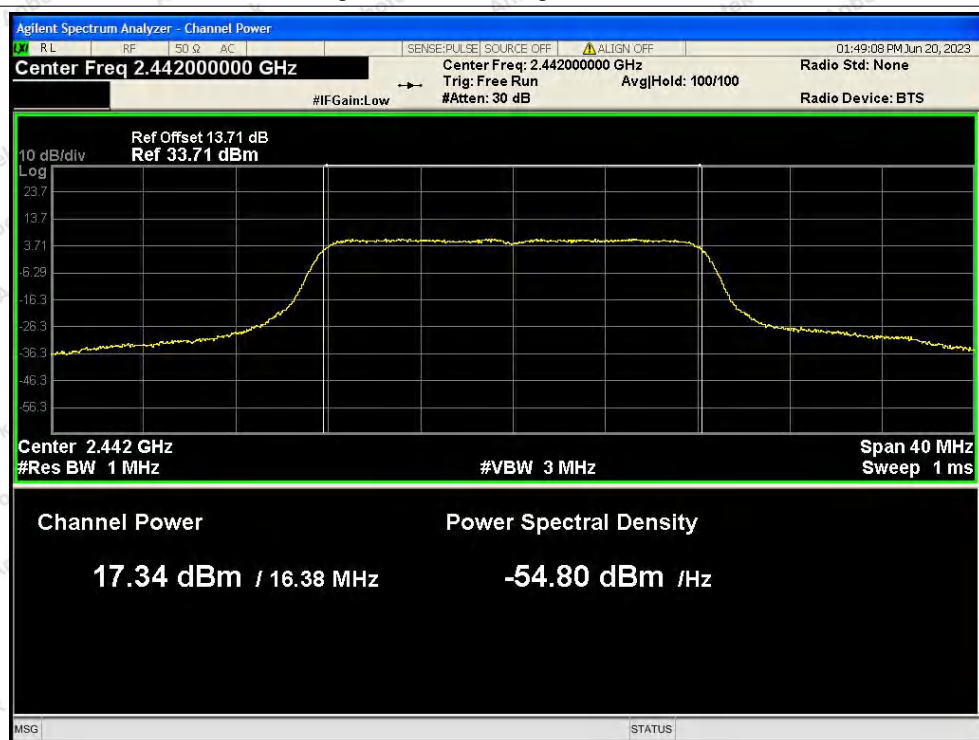
Average Power NVNT b 2472MHz Ant1



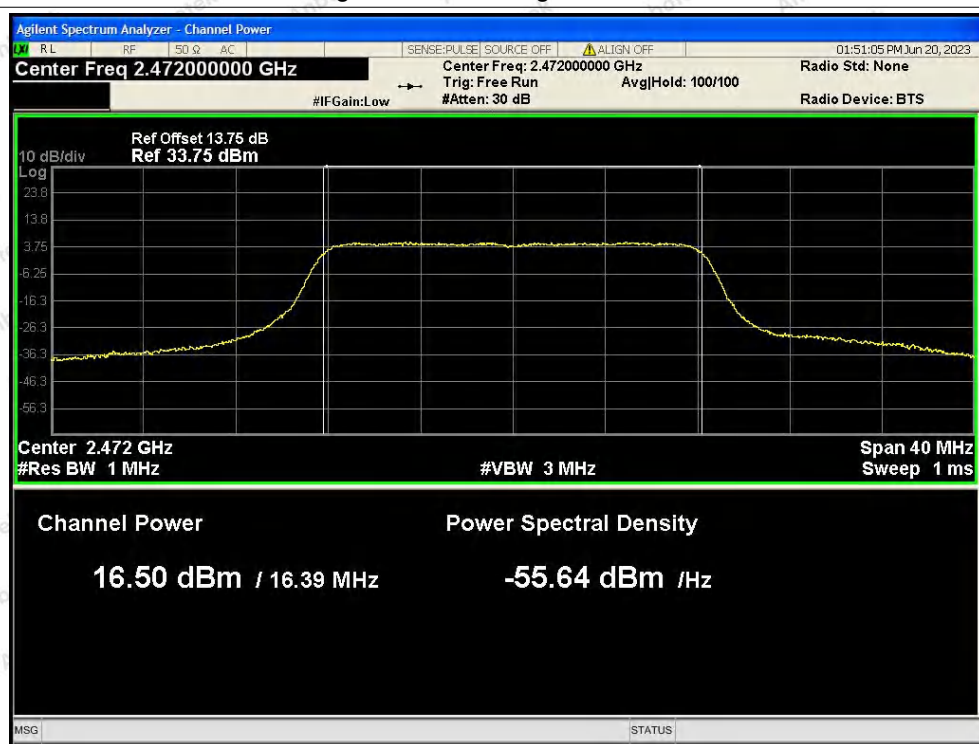
Average Power NVNT g 2412MHz Ant1



Average Power NVNT g 2442MHz Ant1



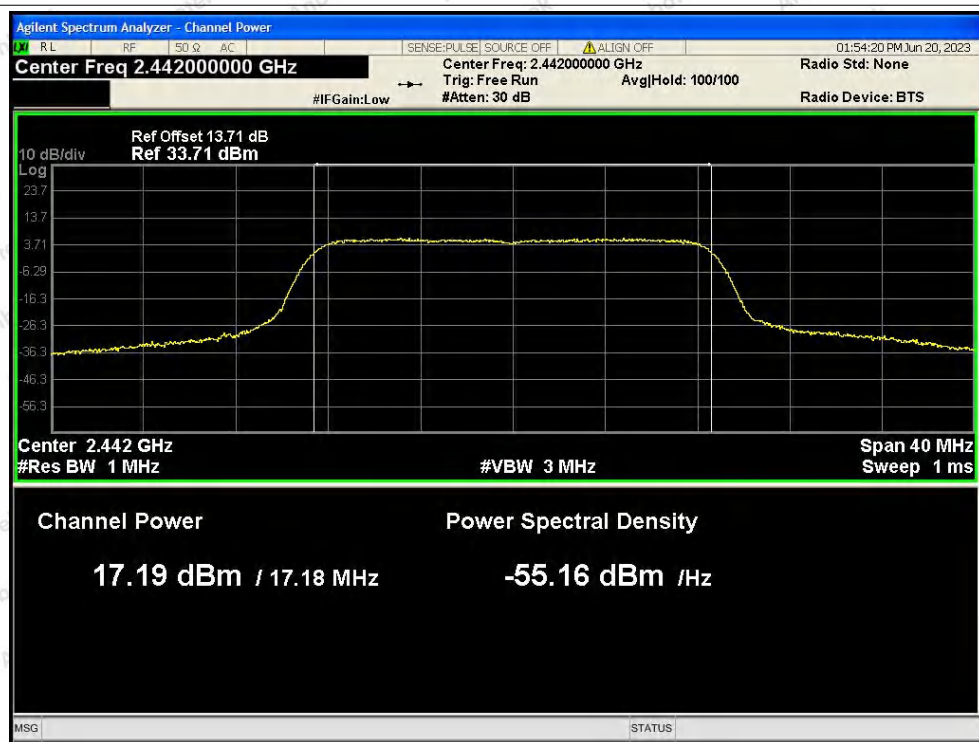
Average Power NVNT g 2472MHz Ant1



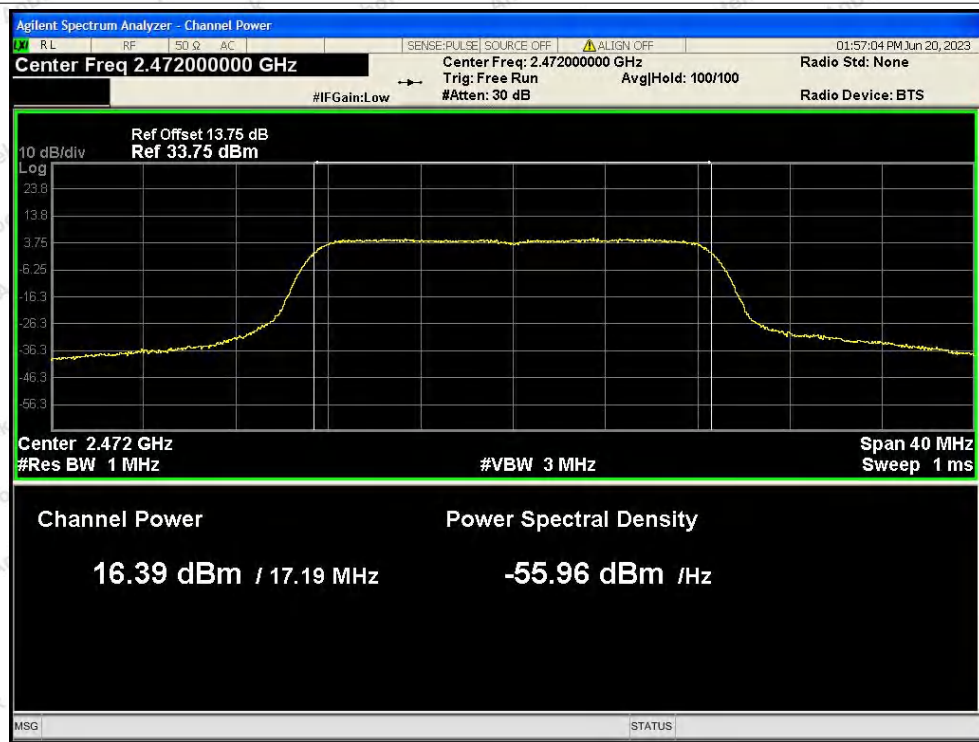
Average Power NVNT n20 2412MHz Ant1



Average Power NVNT n20 2442MHz Ant1



Average Power NVNT n20 2472MHz Ant1



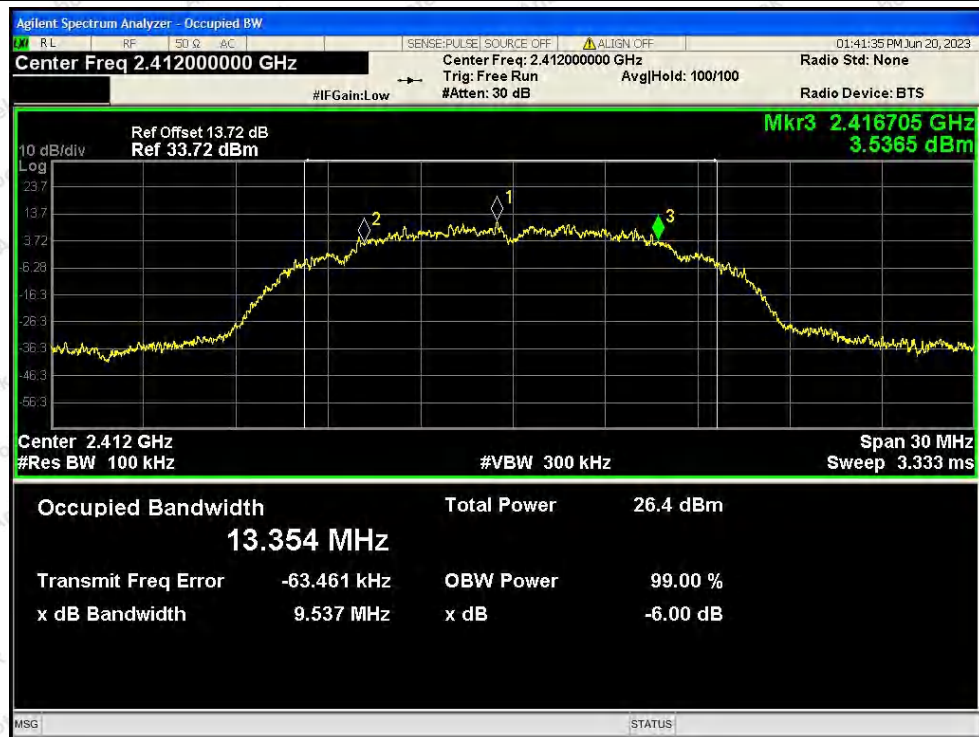
6 dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.537	0.5	Pass
NVNT	b	2442	Ant1	9.189	0.5	Pass
NVNT	b	2472	Ant1	9.576	0.5	Pass
NVNT	g	2412	Ant1	16.334	0.5	Pass
NVNT	g	2442	Ant1	16.358	0.5	Pass
NVNT	g	2472	Ant1	16.358	0.5	Pass
NVNT	n20	2412	Ant1	16.967	0.5	Pass
NVNT	n20	2442	Ant1	16.996	0.5	Pass
NVNT	n20	2472	Ant1	16.994	0.5	Pass

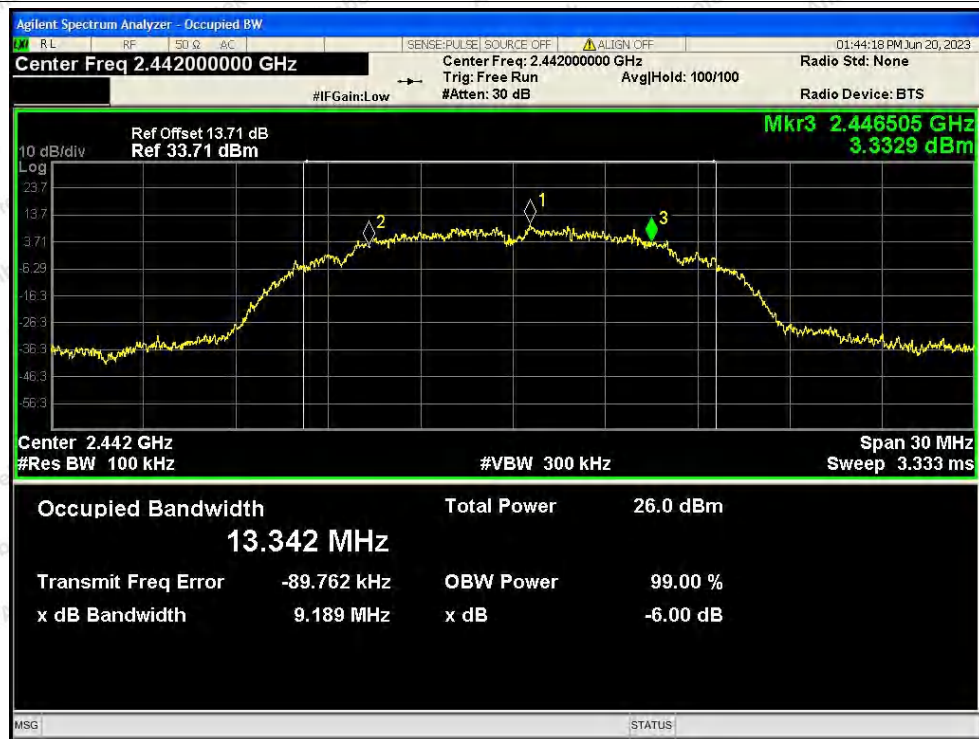


Test Graphs

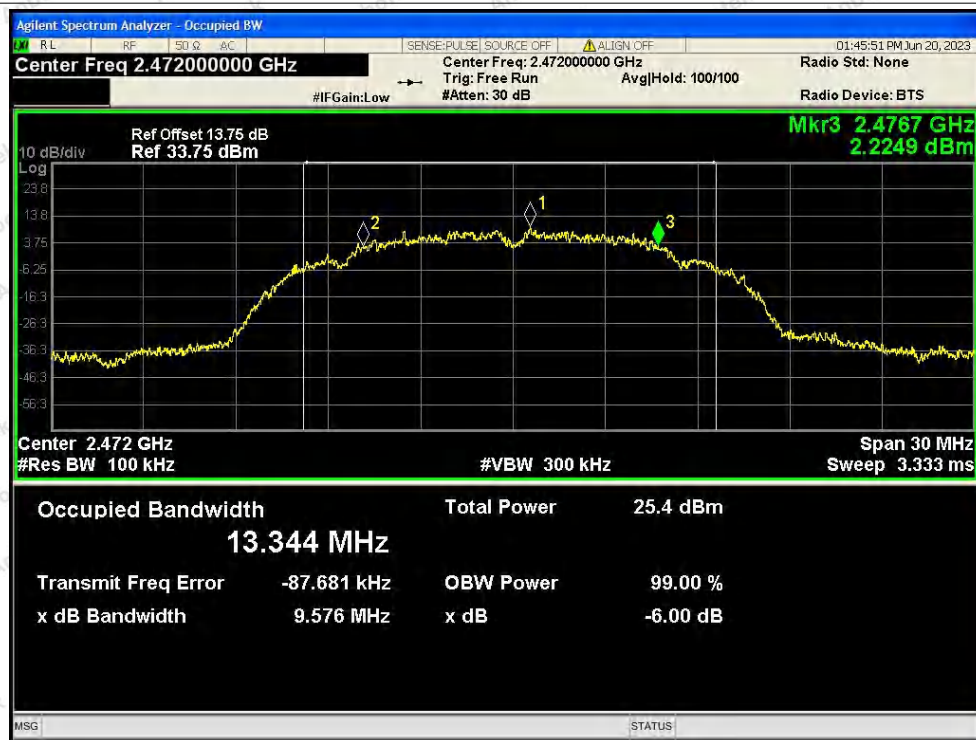
-6dB Bandwidth NVNT b 2412MHz Ant1



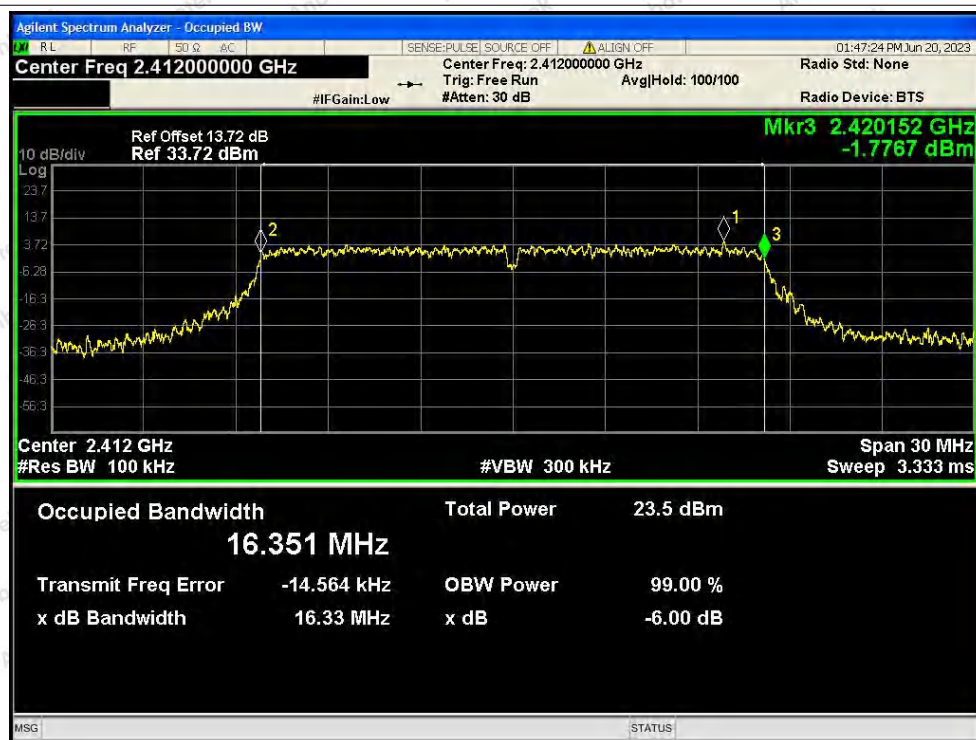
-6dB Bandwidth NVNT b 2442MHz Ant1



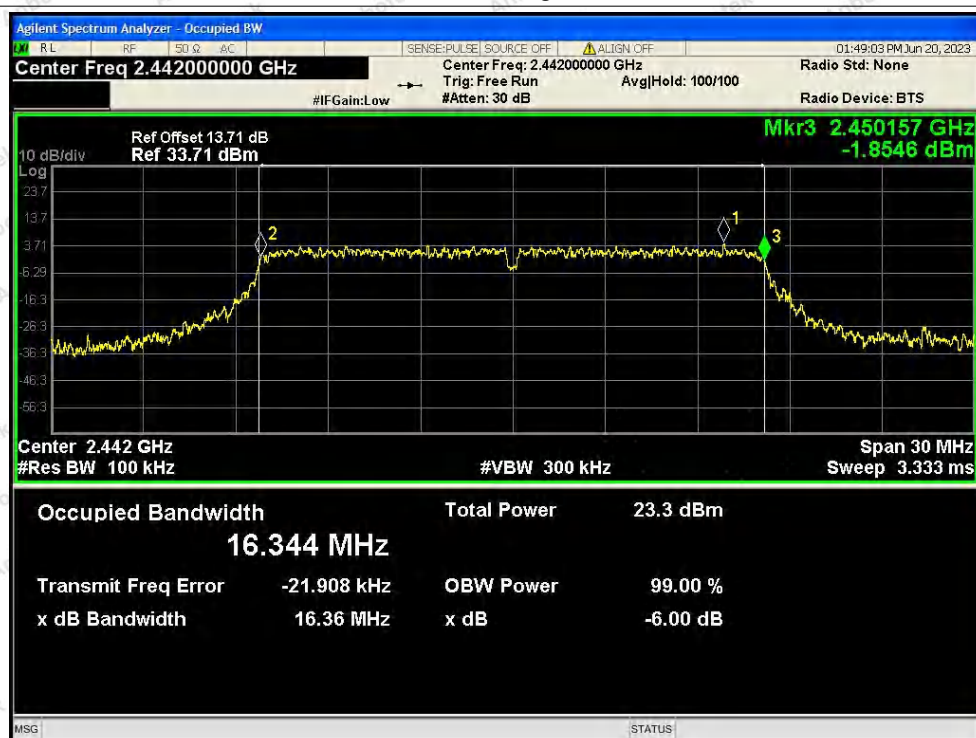
-6dB Bandwidth NVNT b 2472MHz Ant1



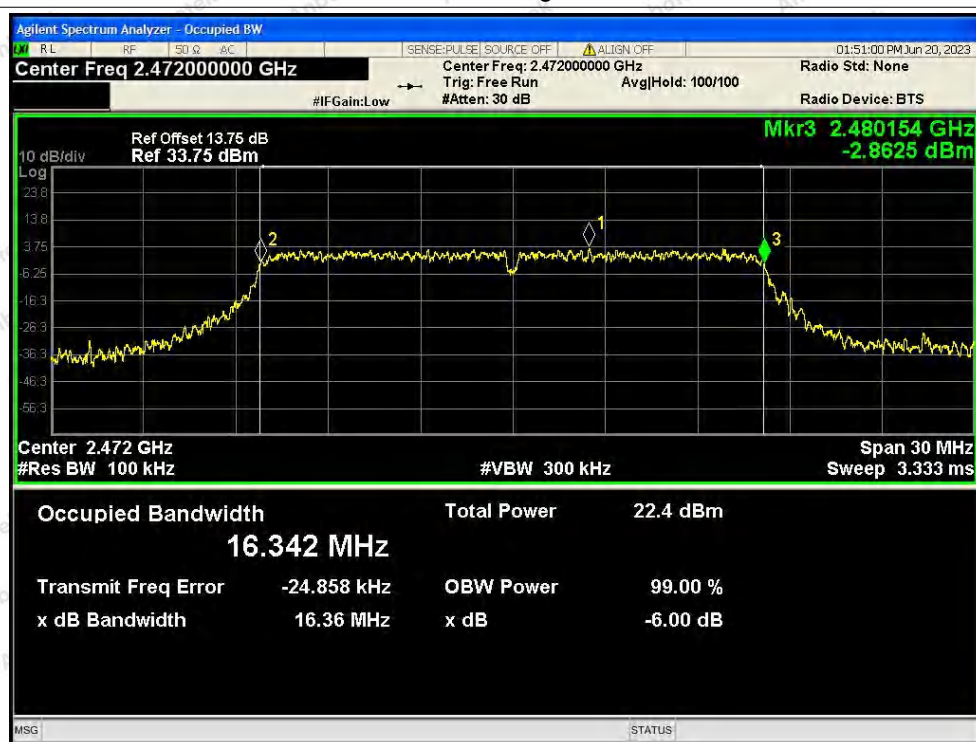
-6dB Bandwidth NVNT g 2412MHz Ant1



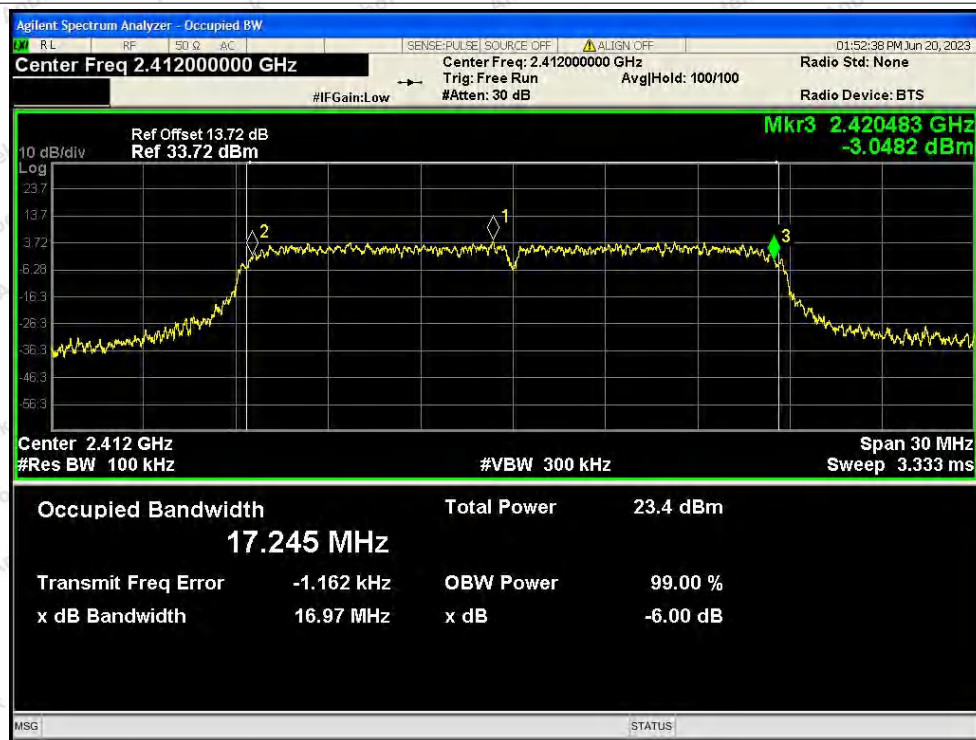
-6dB Bandwidth NVNT g 2442MHz Ant1



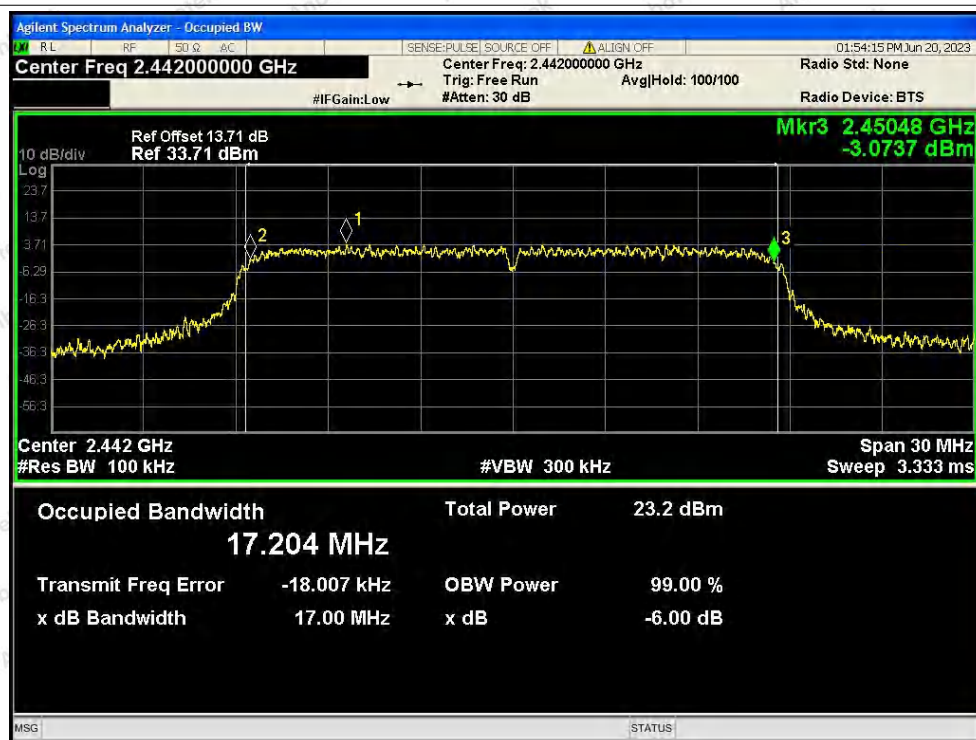
-6dB Bandwidth NVNT g 2472MHz Ant1



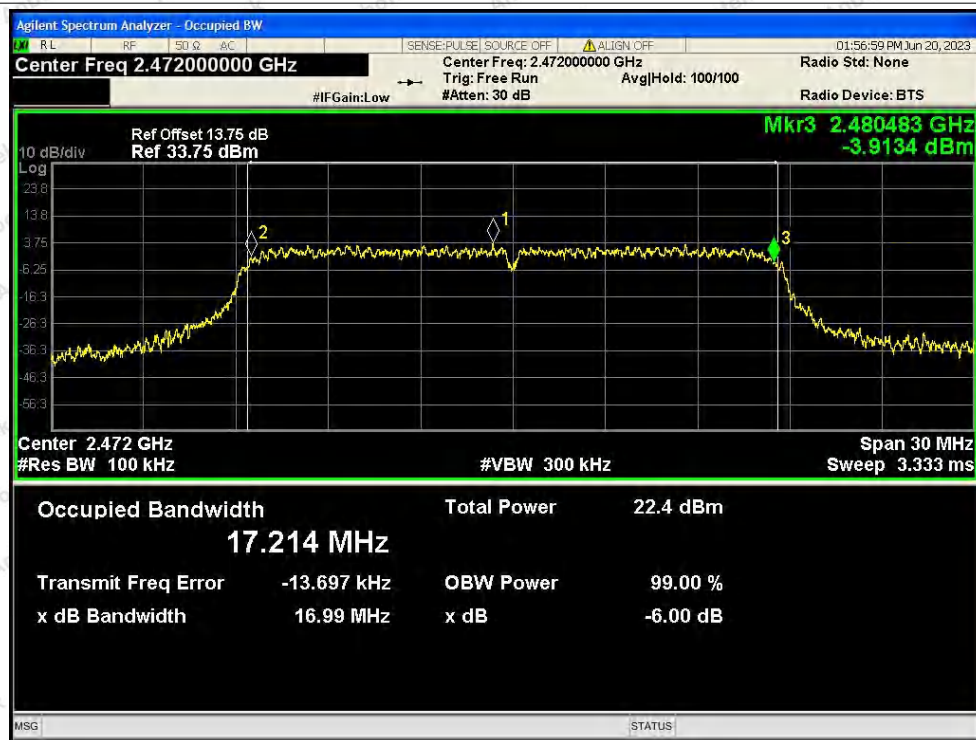
-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2442MHz Ant1



-6dB Bandwidth NVNT n20 2472MHz Ant1



Conducted Spurious Emissions

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-38.23	-20	Pass
NVNT	b	2442	Ant1	-38.01	-20	Pass
NVNT	b	2472	Ant1	-38.14	-20	Pass
NVNT	g	2412	Ant1	-33.09	-20	Pass
NVNT	g	2442	Ant1	-31.55	-20	Pass
NVNT	g	2472	Ant1	-32.4	-20	Pass
NVNT	n20	2412	Ant1	-32.09	-20	Pass
NVNT	n20	2442	Ant1	-31.95	-20	Pass
NVNT	n20	2472	Ant1	-31.7	-20	Pass

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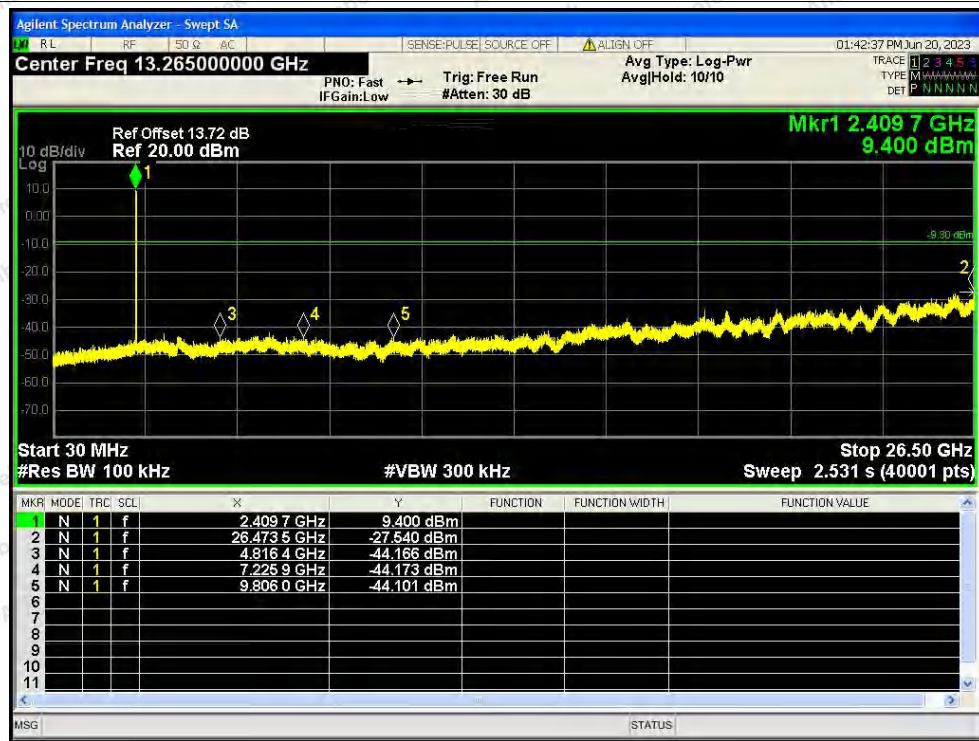


Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission



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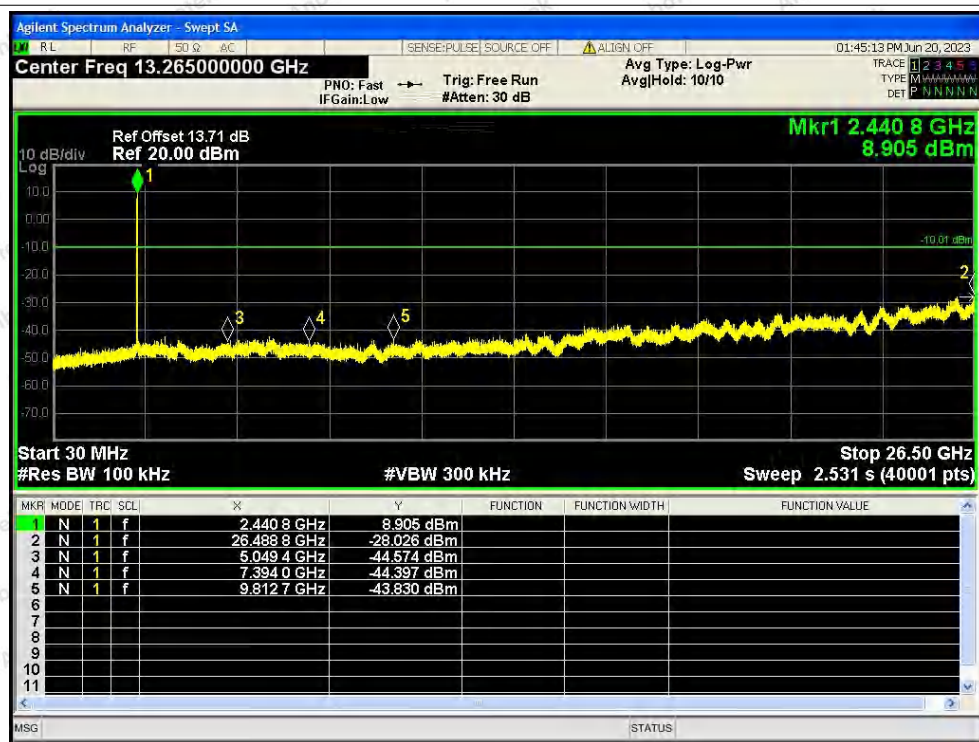
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Tx. Spurious NVNT b 2442MHz Ant1 Ref



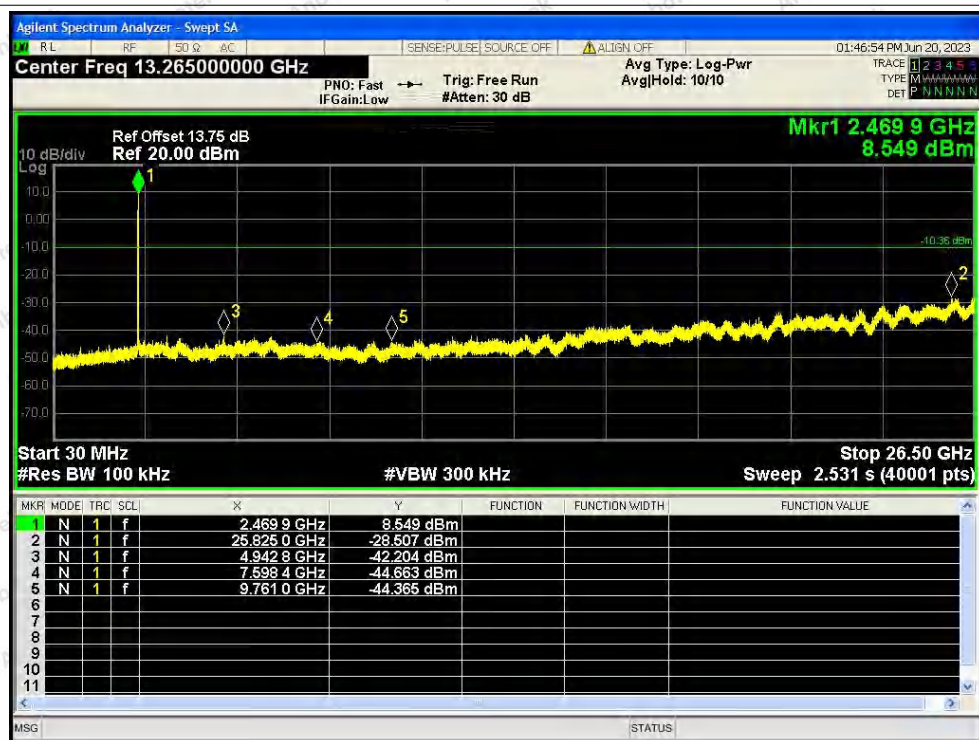
Tx. Spurious NVNT b 2442MHz Ant1 Emission



Tx. Spurious NVNT b 2472MHz Ant1 Ref



Tx. Spurious NVNT b 2472MHz Ant1 Emission



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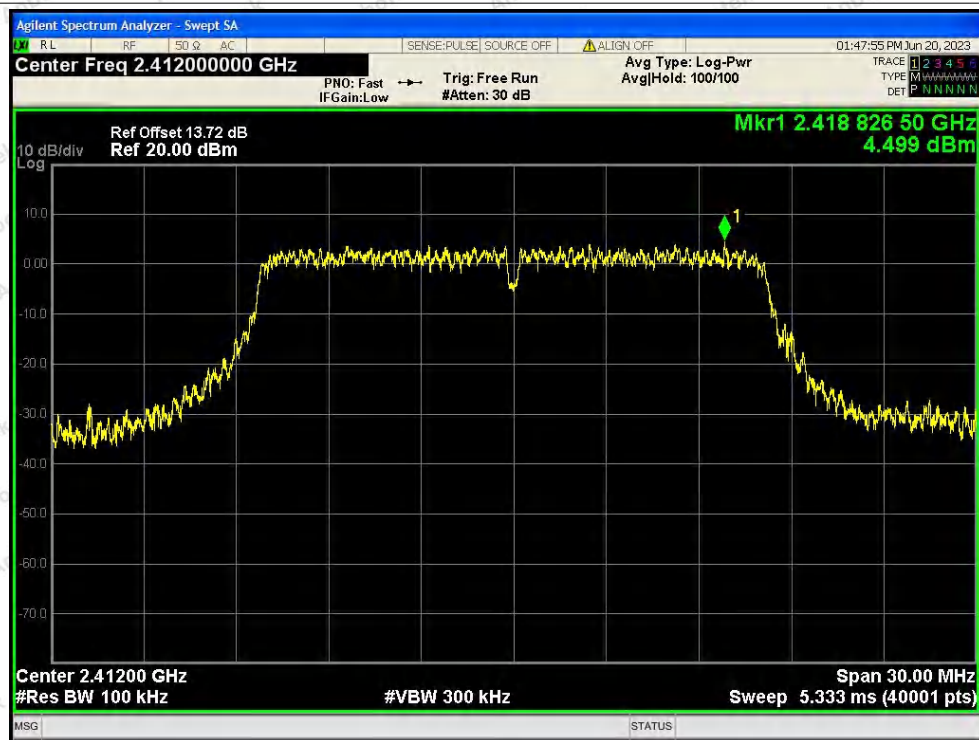
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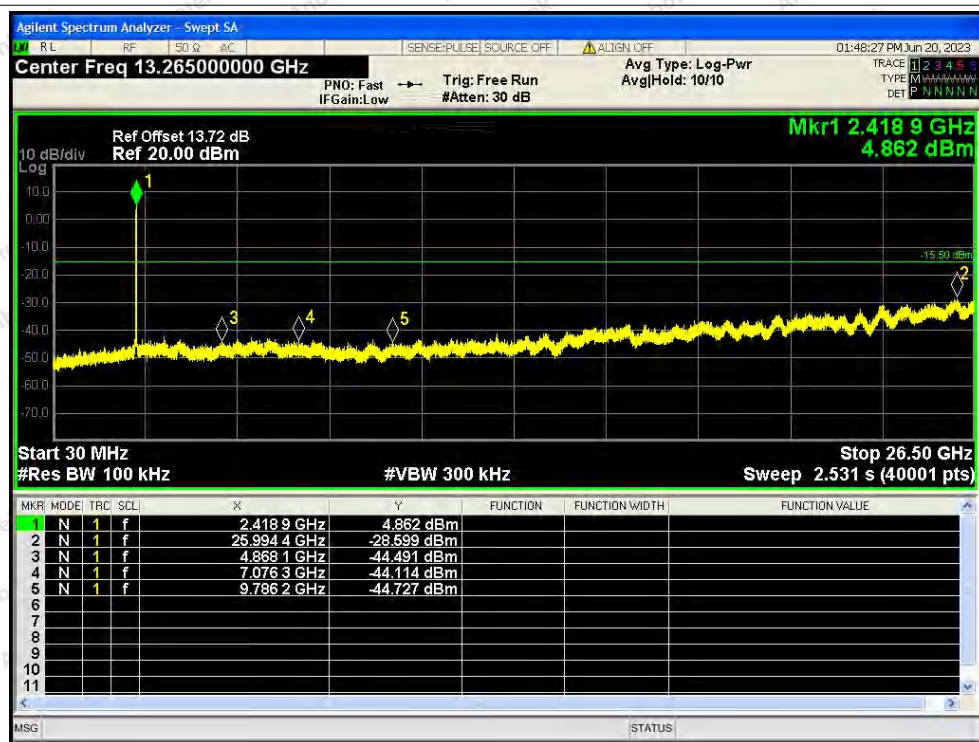
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Tx. Spurious NVNT g 2412MHz Ant1 Ref



Tx. Spurious NVNT g 2412MHz Ant1 Emission



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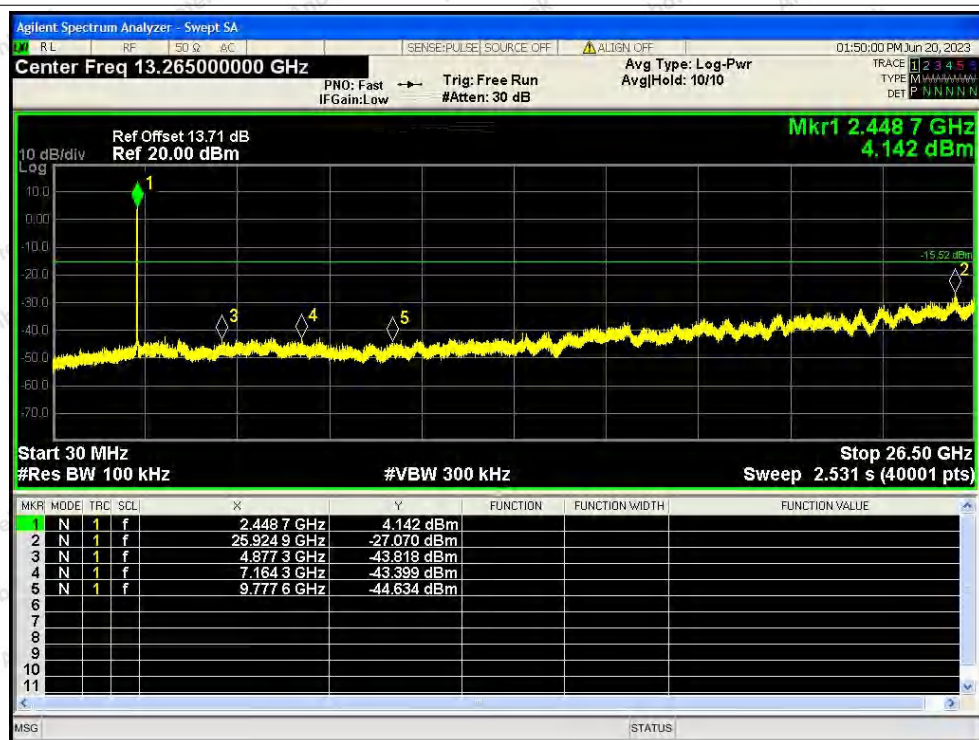
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Tx. Spurious NVNT g 2442MHz Ant1 Ref



Tx. Spurious NVNT g 2442MHz Ant1 Emission



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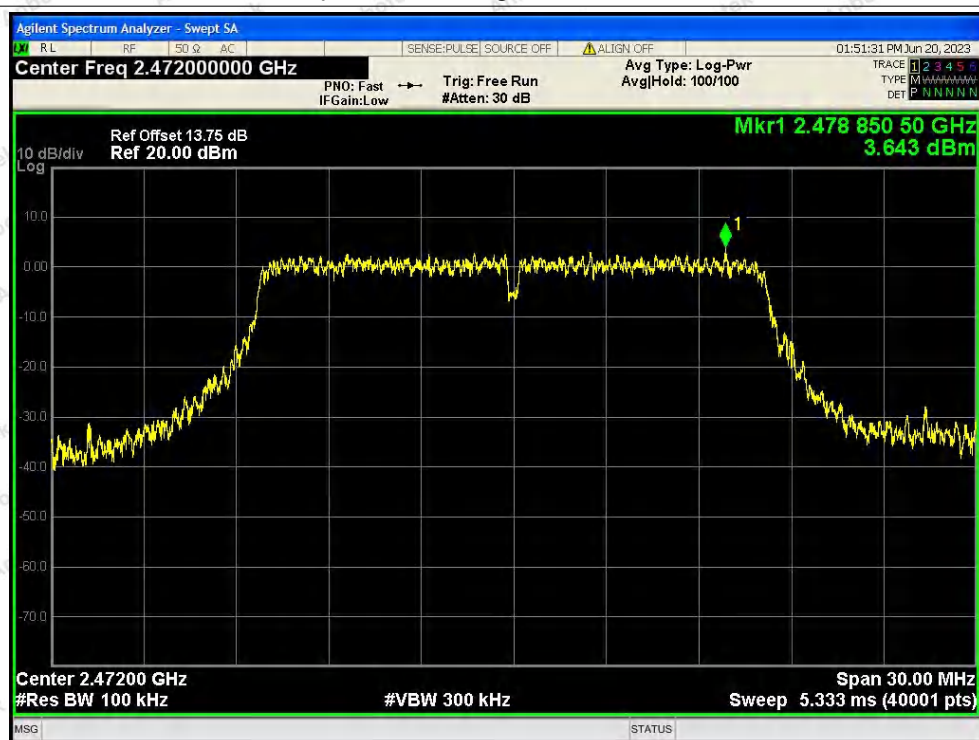
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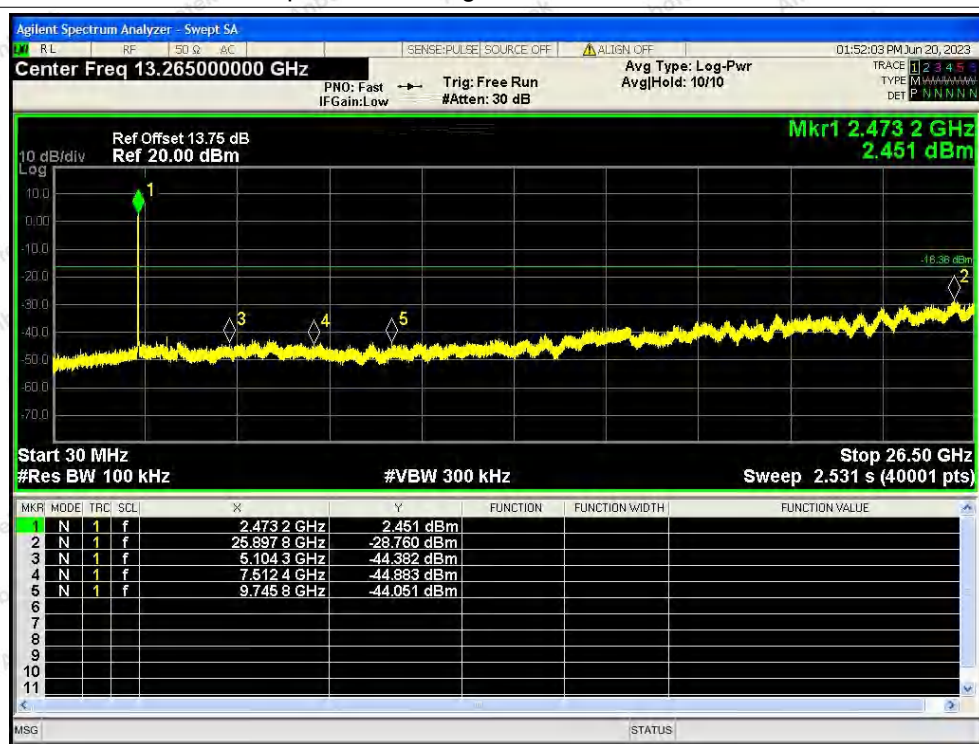
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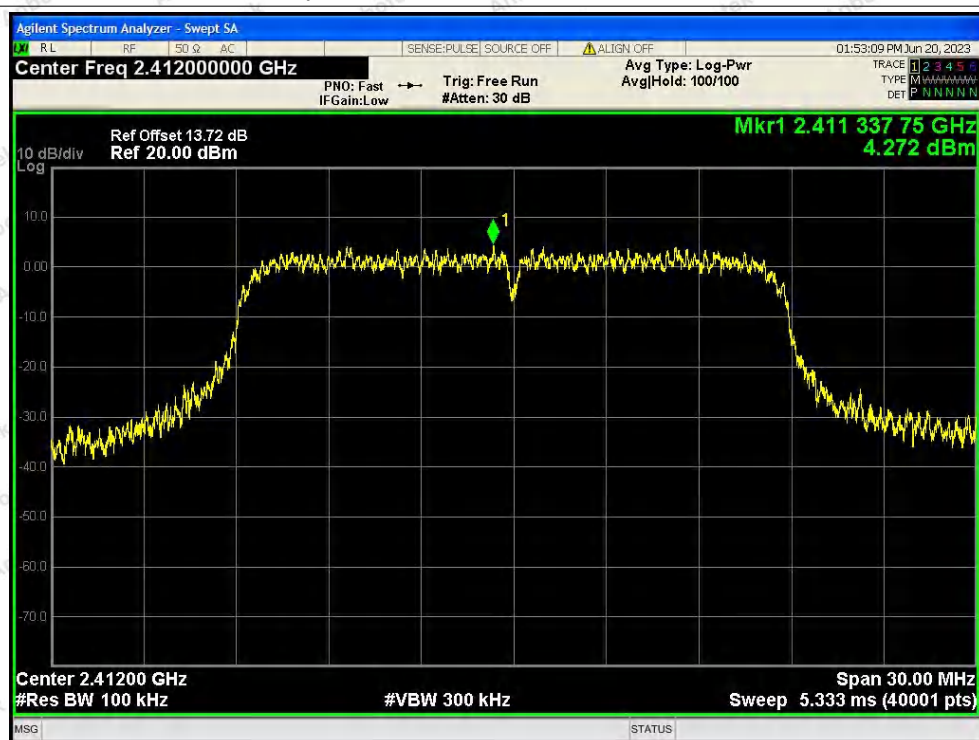
Tx. Spurious NVNT g 2472MHz Ant1 Ref



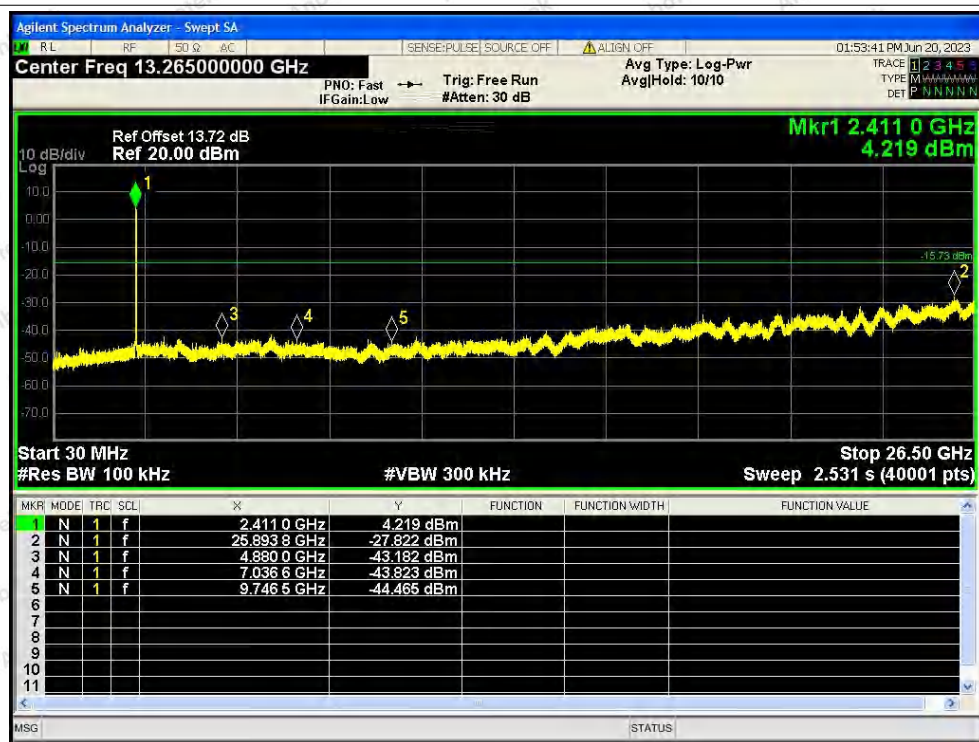
Tx. Spurious NVNT g 2472MHz Ant1 Emission



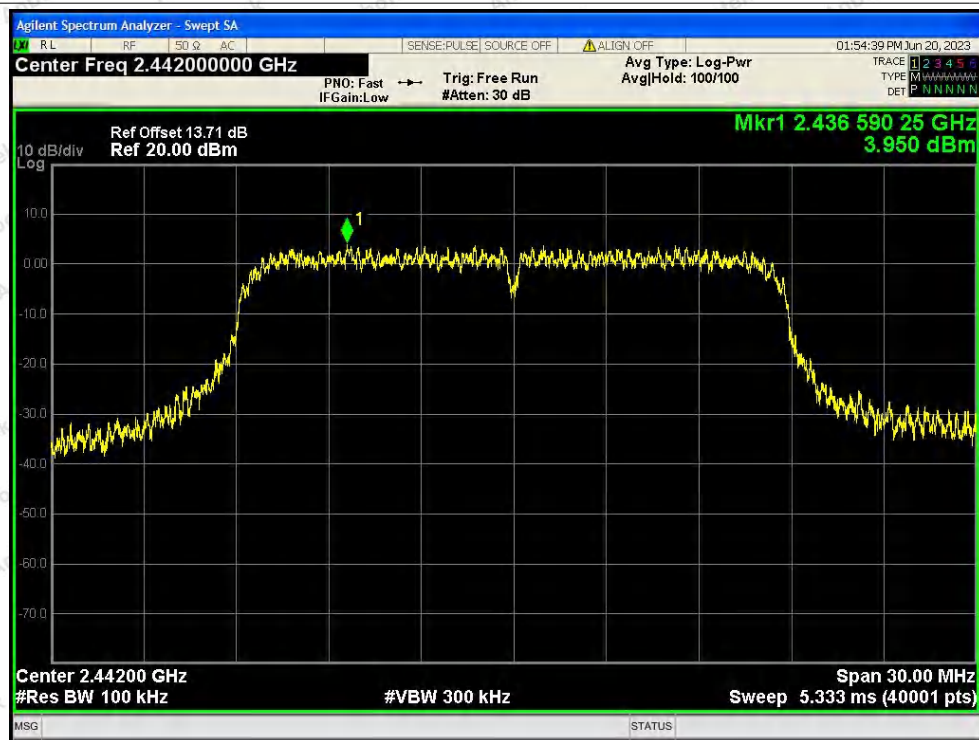
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



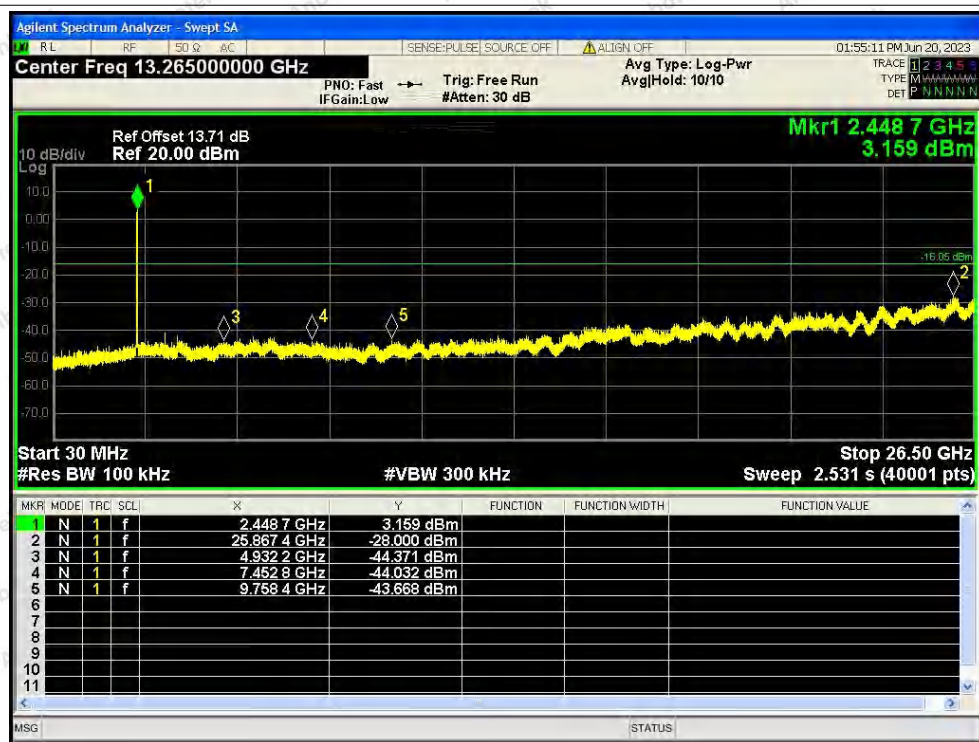
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



Tx. Spurious NVNT n20 2442MHz Ant1 Ref



Tx. Spurious NVNT n20 2442MHz Ant1 Emission



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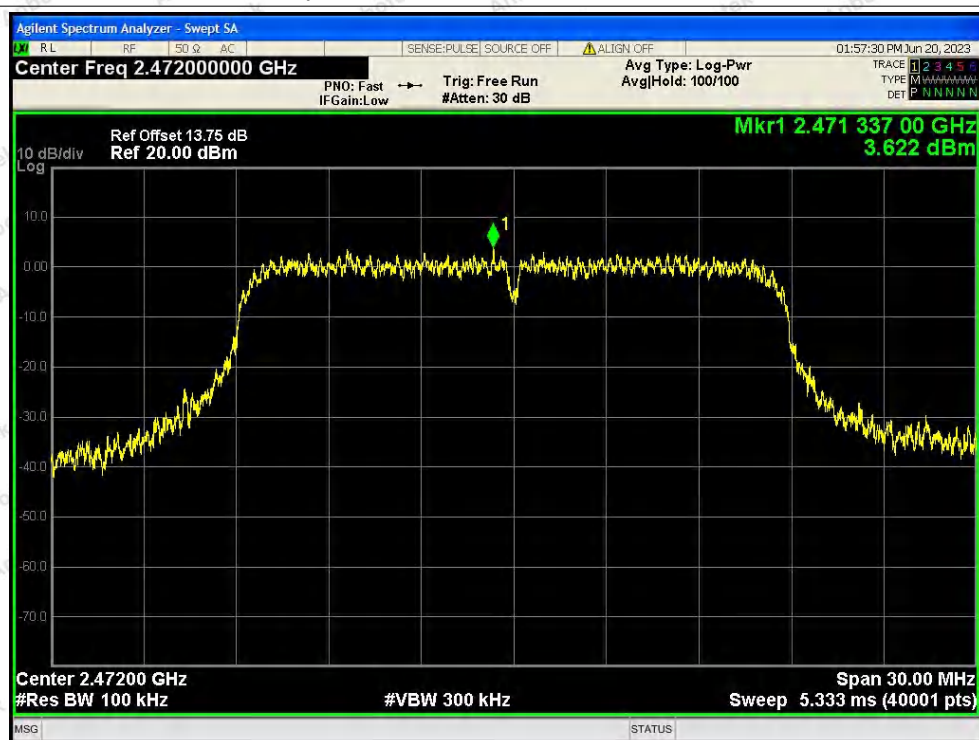
Hotline

400-003-0500

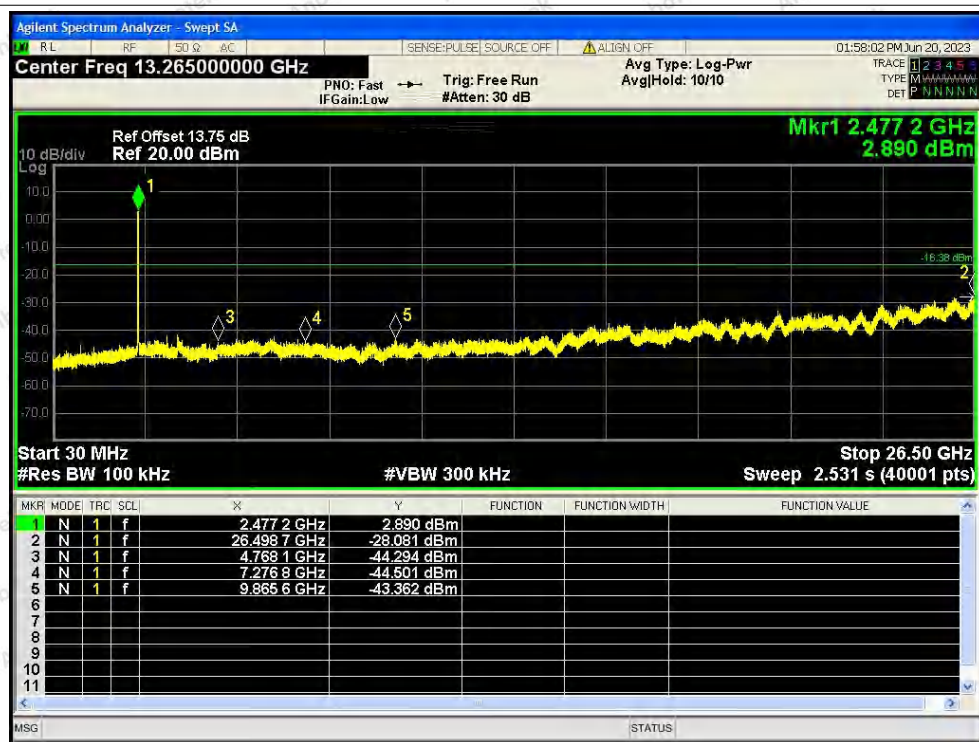
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Tx. Spurious NVNT n20 2472MHz Ant1 Ref



Tx. Spurious NVNT n20 2472MHz Ant1 Emission



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Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-45.24	-20	Pass
NVNT	b	2472	Ant1	-42.38	-20	Pass
NVNT	g	2412	Ant1	-31.92	-20	Pass
NVNT	g	2472	Ant1	-31.18	-20	Pass
NVNT	n20	2412	Ant1	-34.99	-20	Pass
NVNT	n20	2472	Ant1	-32.63	-20	Pass

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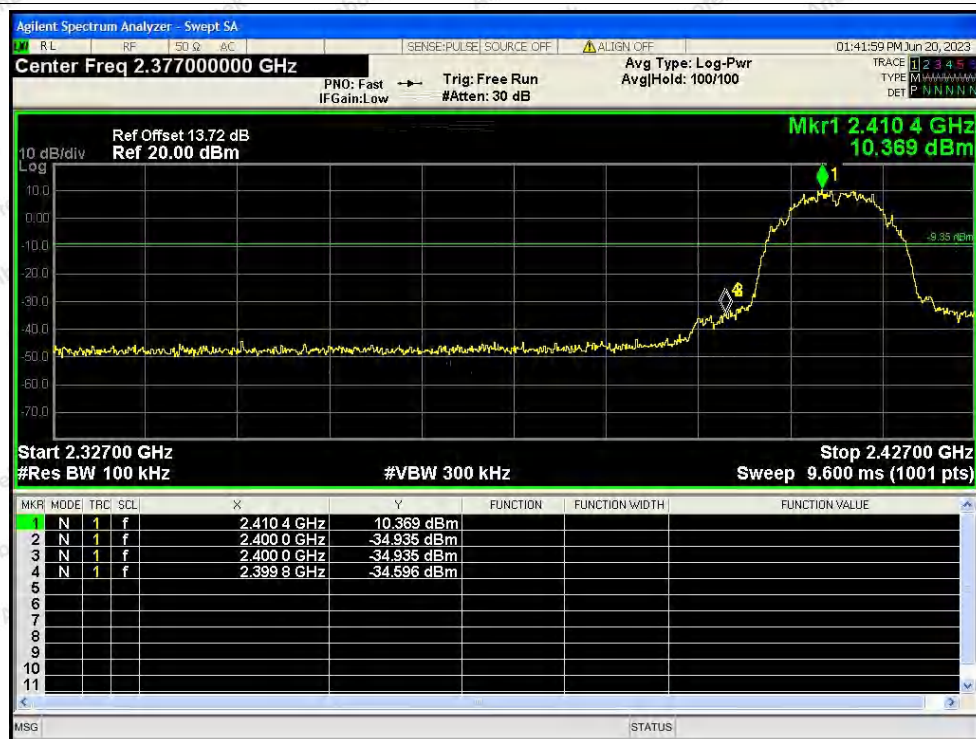


Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



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Band Edge NVNT g 2412MHz Ant1 Emission



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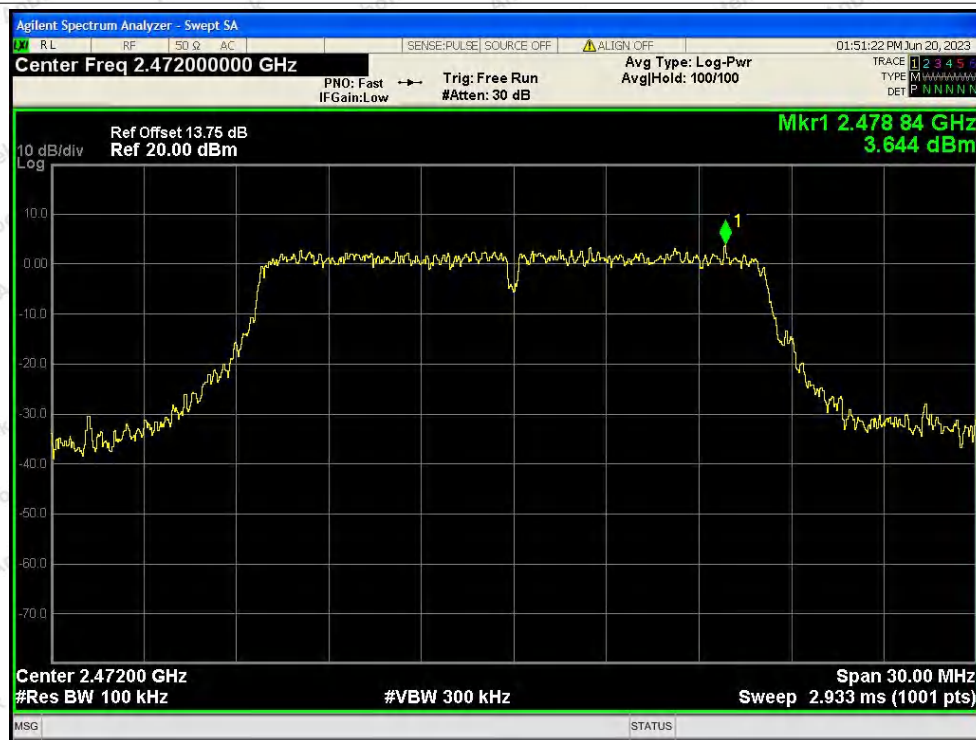
Hotline

400-003-0500

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Band Edge NVNT g 2472MHz Ant1 Ref



Band Edge NVNT g 2472MHz Ant1 Emission



Band Edge NVNT n20 2412MHz Ant1 Ref



Band Edge NVNT n20 2412MHz Ant1 Emission



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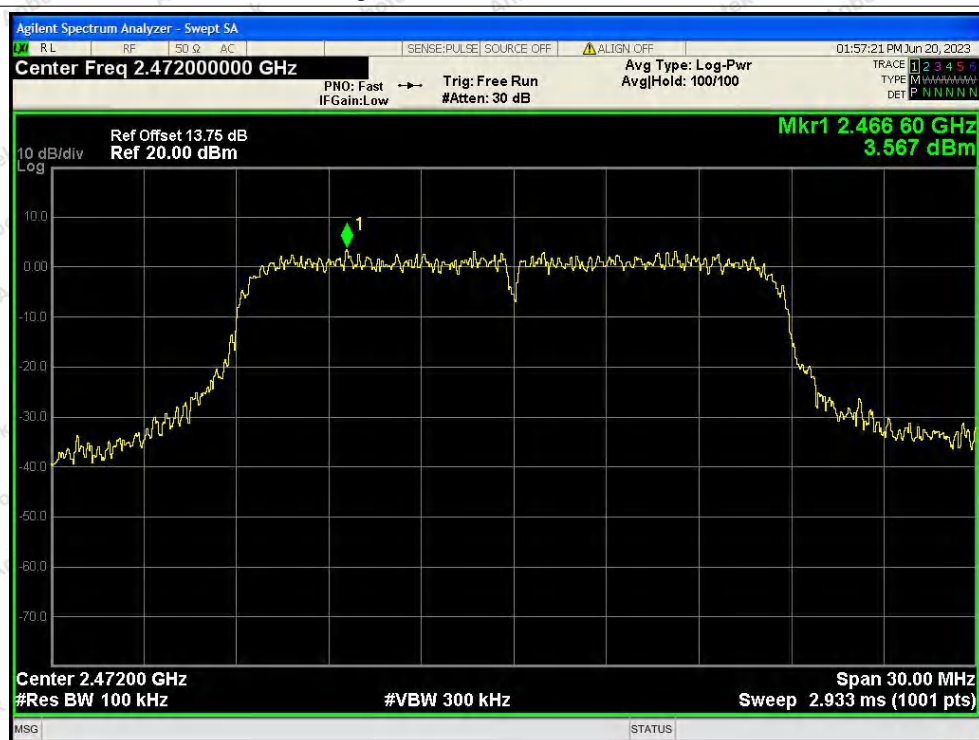
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Band Edge NVNT n20 2472MHz Ant1 Ref



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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	-4.76	0	-4.76	8	Pass
NVNT	b	2442	Ant1	-5.46	0	-5.46	8	Pass
NVNT	b	2472	Ant1	-6.12	0	-6.12	8	Pass
NVNT	g	2412	Ant1	-8.86	0	-8.86	8	Pass
NVNT	g	2442	Ant1	-9.06	0	-9.06	8	Pass
NVNT	g	2472	Ant1	-9.92	0	-9.92	8	Pass
NVNT	n20	2412	Ant1	-9.04	0	-9.04	8	Pass
NVNT	n20	2442	Ant1	-9.61	0	-9.61	8	Pass
NVNT	n20	2472	Ant1	-10.15	0	-10.15	8	Pass

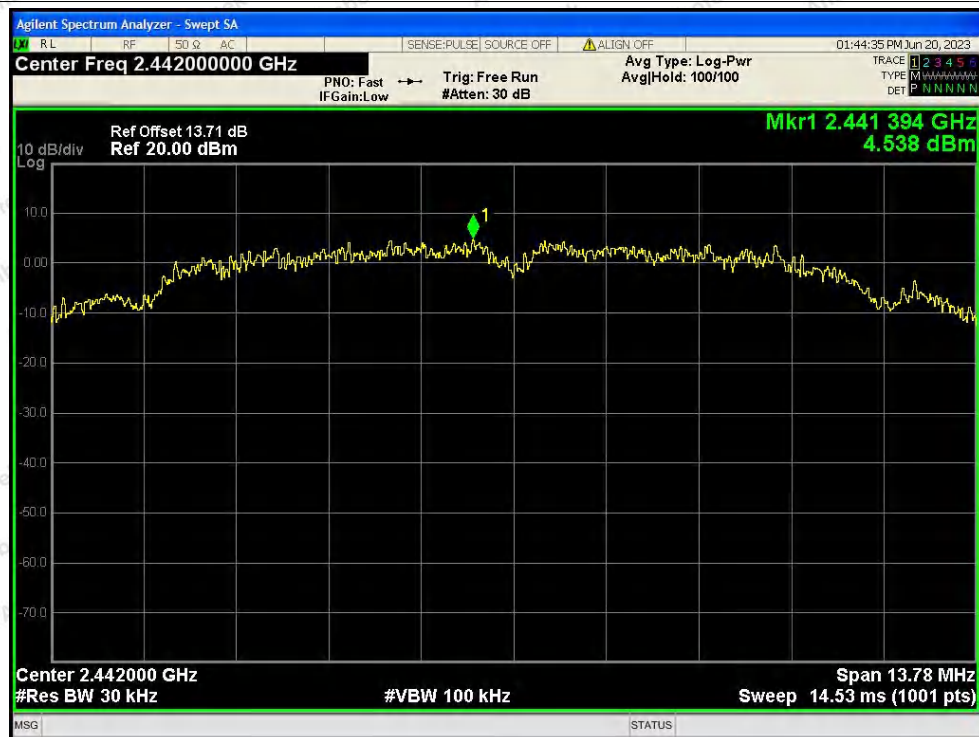


Test Graphs

PSD NVNT b 2412MHz Ant1



PSD NVNT b 2442MHz Ant1



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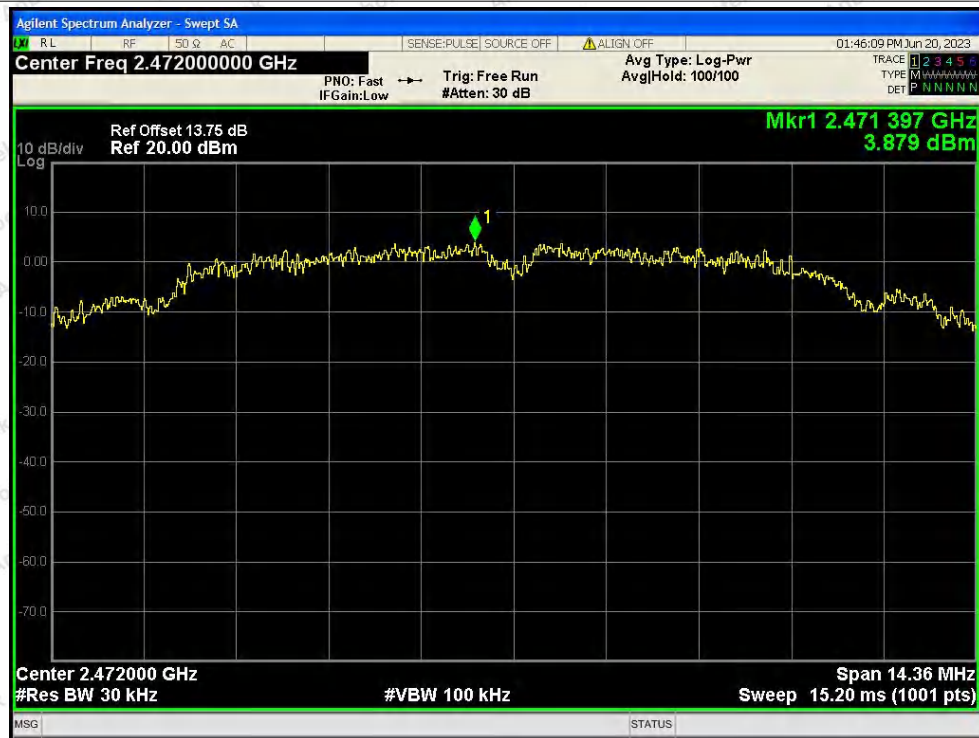
Hotline

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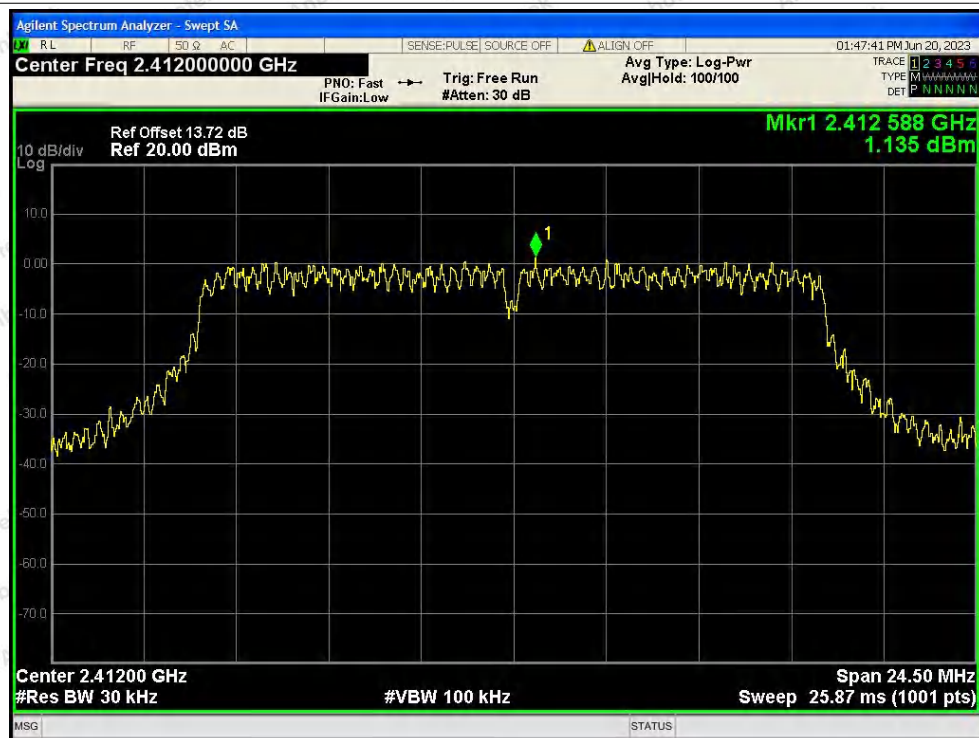
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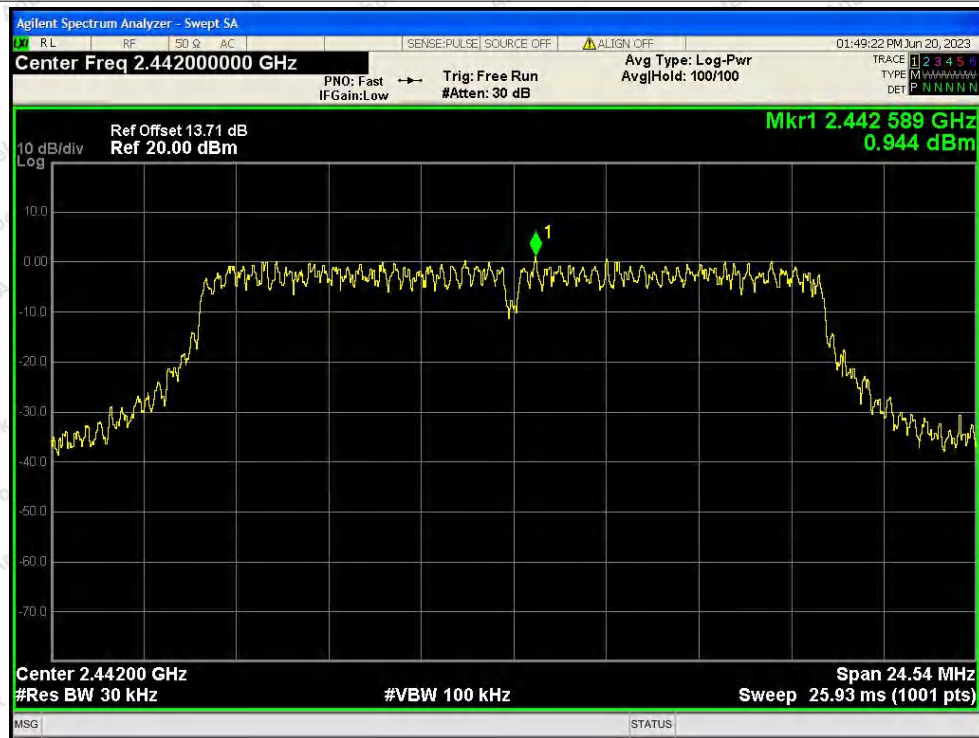
PSD NVNT b 2472MHz Ant1



PSD NVNT g 2412MHz Ant1



PSD NVNT g 2442MHz Ant1



PSD NVNT g 2472MHz Ant1



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PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2442MHz Ant1



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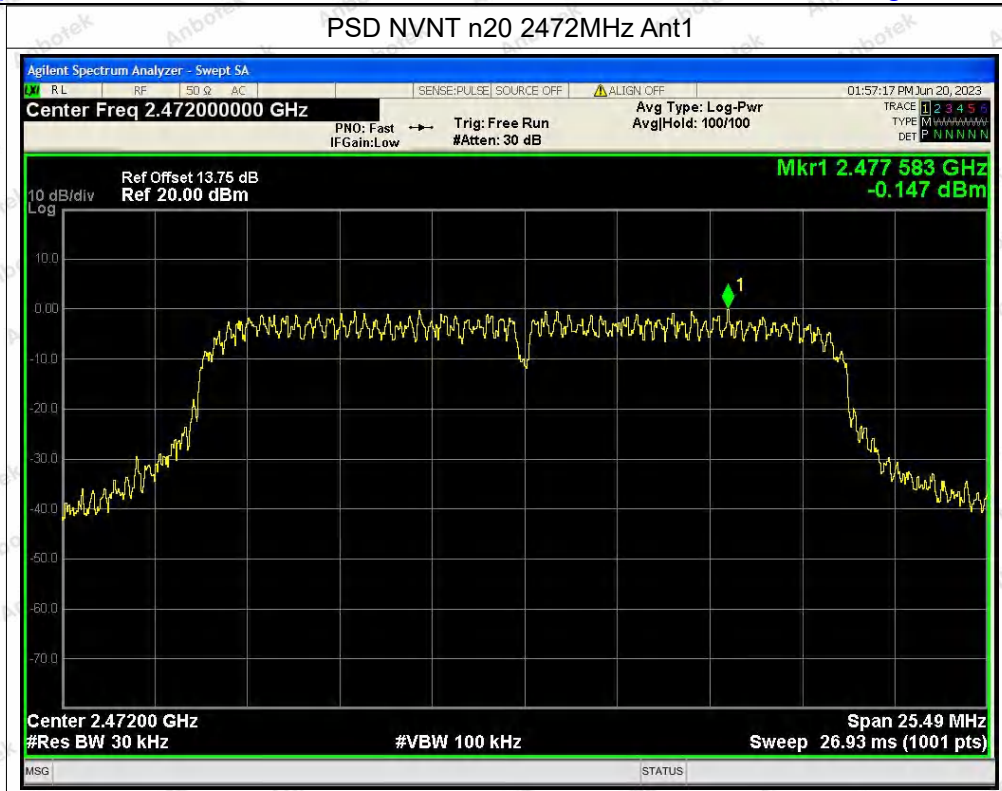


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