



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: smartphone

Test Model: L68C

Environmental Conditions

Temperature:	24.6°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng



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C.1 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.019	≥ 0.5	Pass
NVNT	b	2437	Ant1	8.081	≥ 0.5	Pass
NVNT	b	2462	Ant1	8.582	≥ 0.5	Pass
NVNT	g	2412	Ant1	16.343	≥ 0.5	Pass
NVNT	g	2437	Ant1	16.307	≥ 0.5	Pass
NVNT	g	2462	Ant1	16.289	≥ 0.5	Pass
NVNT	n20	2412	Ant1	17.02	≥ 0.5	Pass
NVNT	n20	2437	Ant1	17.236	≥ 0.5	Pass
NVNT	n20	2462	Ant1	16.993	≥ 0.5	Pass





Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1



-6dB Bandwidth NVNT b 2437MHz Ant1



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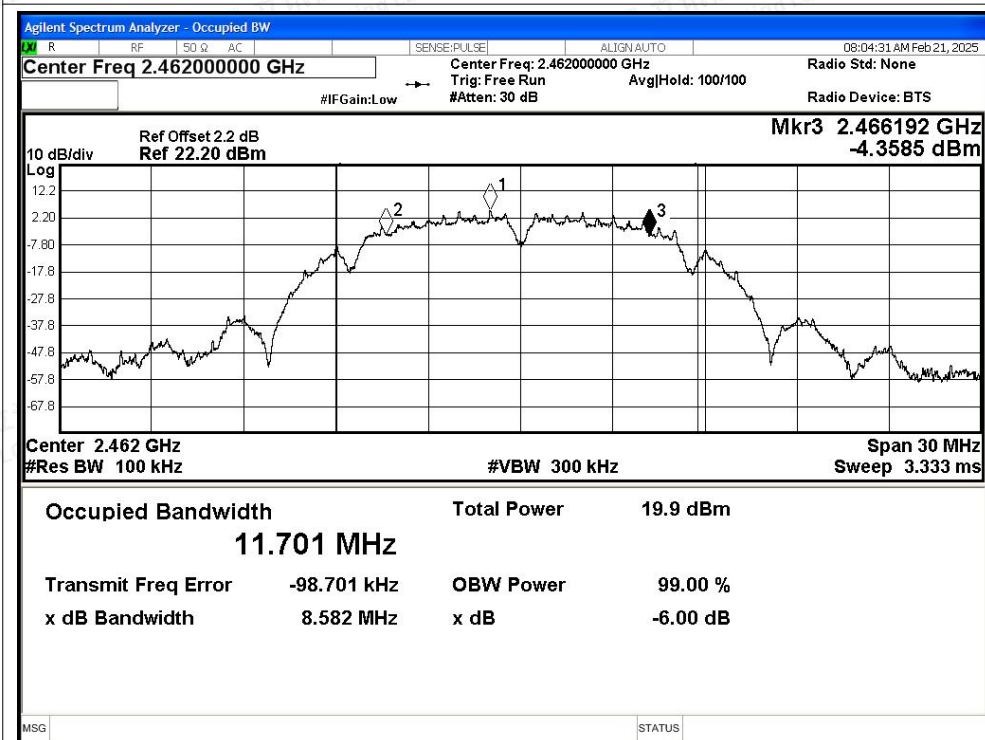
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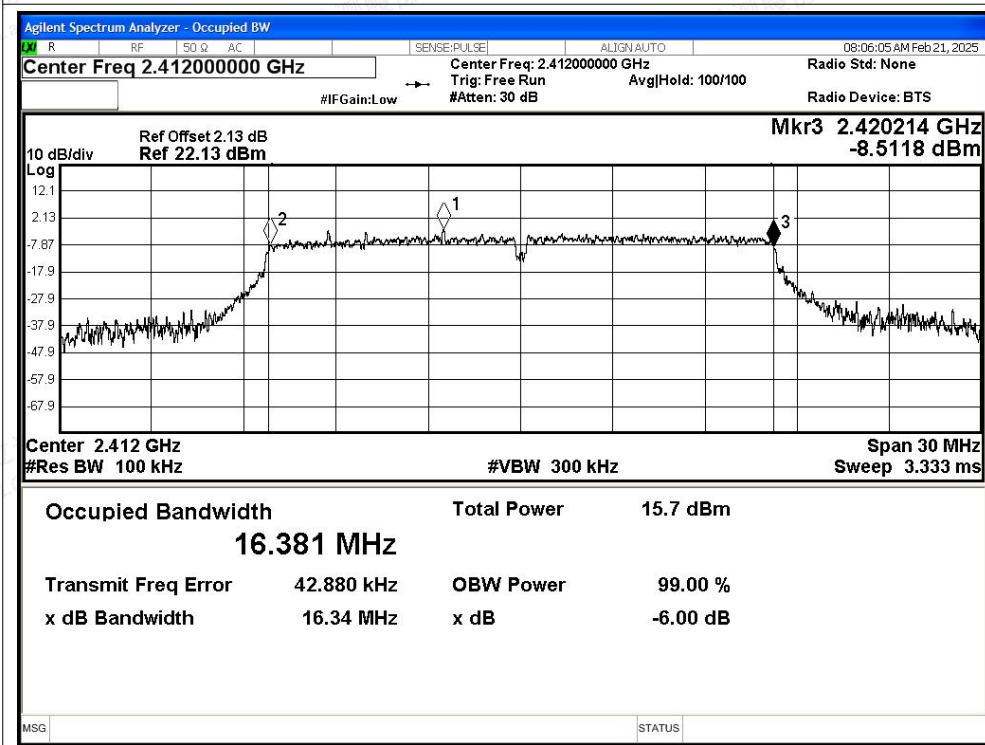
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-6dB Bandwidth NVNT b 2462MHz Ant1



-6dB Bandwidth NVNT g 2412MHz Ant1



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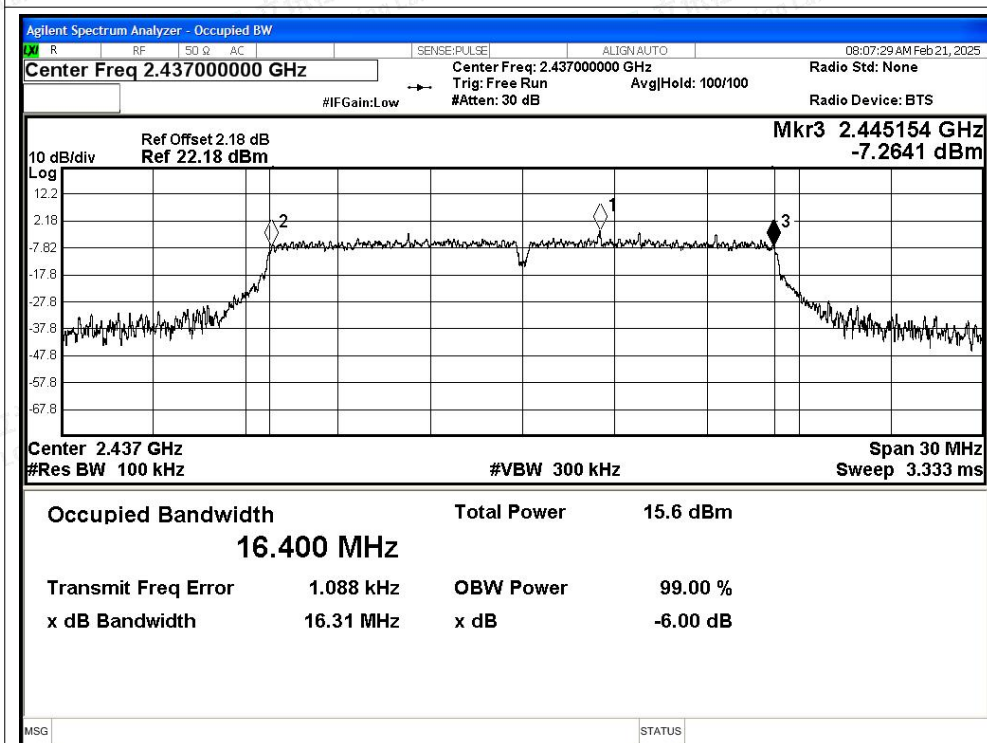
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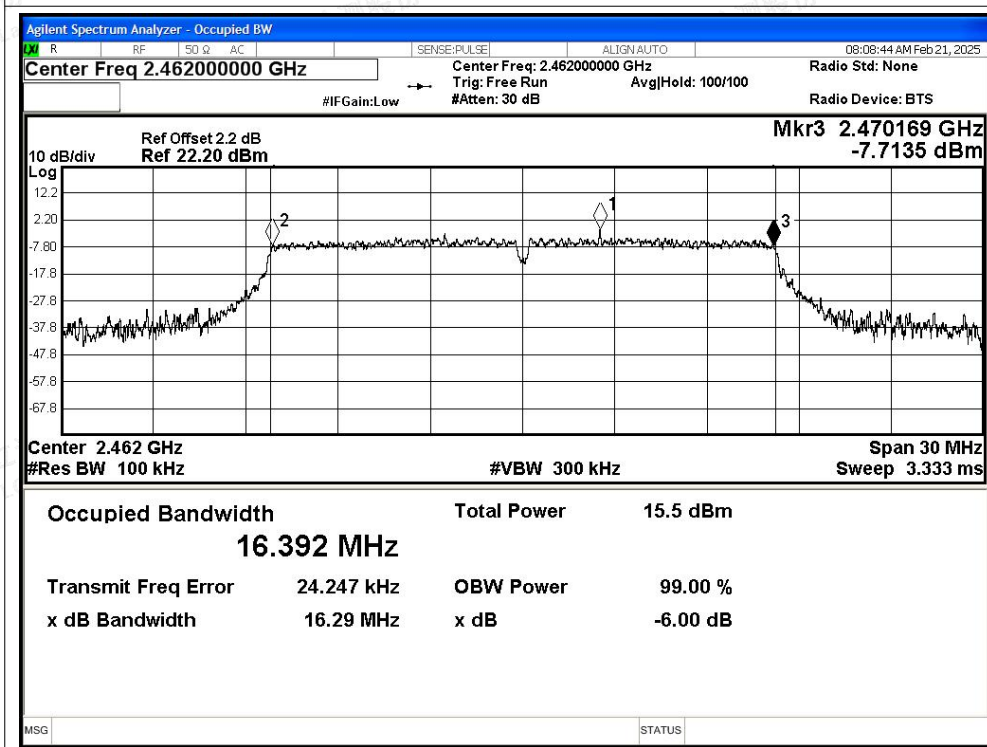
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-6dB Bandwidth NVNT g 2437MHz Ant1



-6dB Bandwidth NVNT g 2462MHz Ant1



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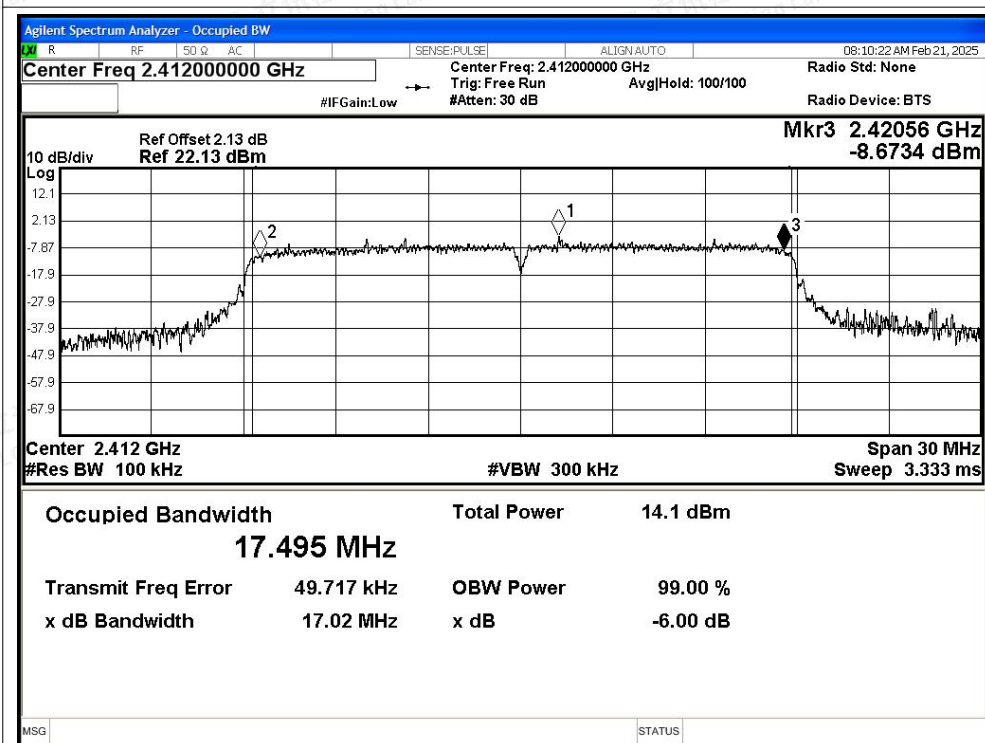
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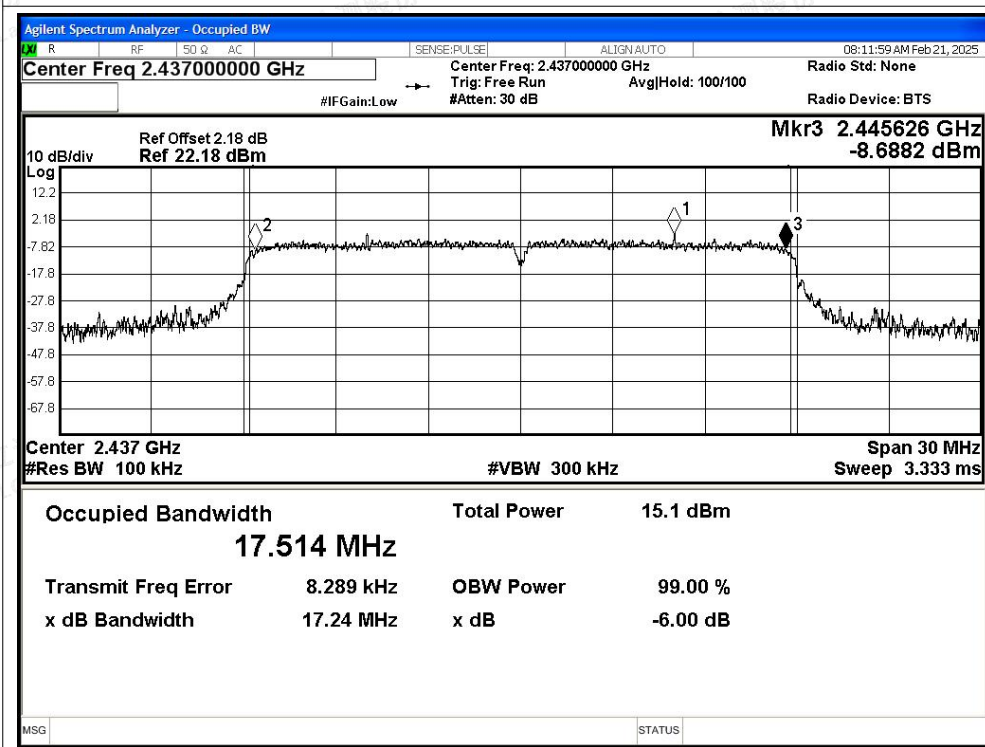
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-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1

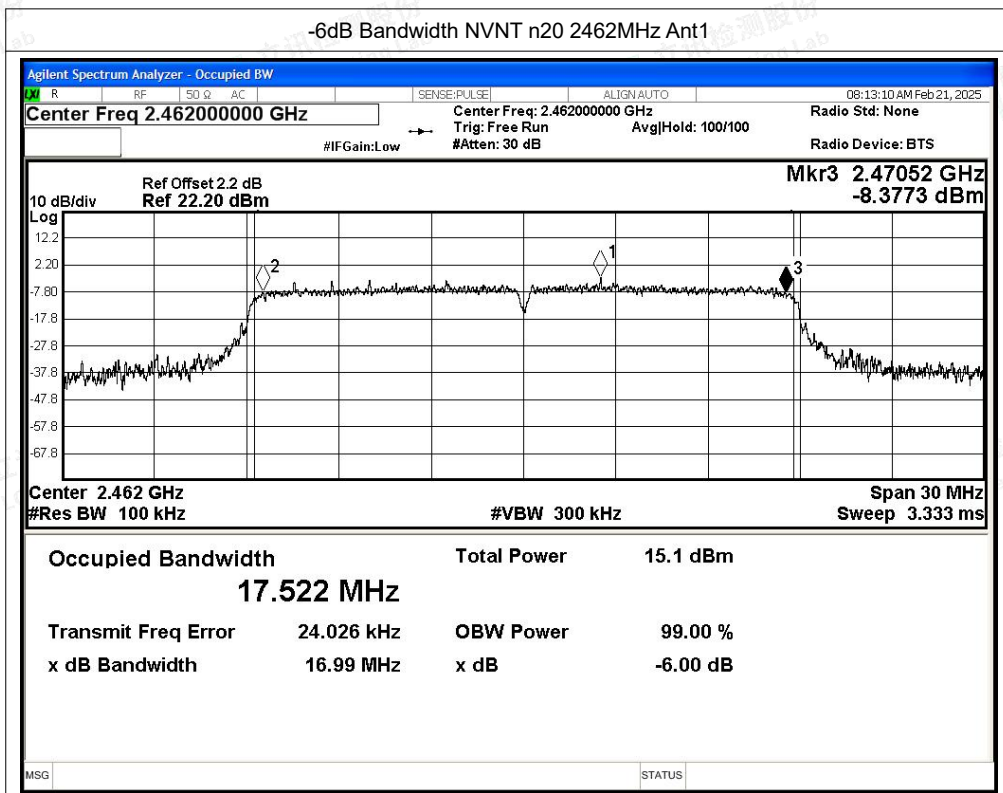


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C.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	14.89	30	Pass
NVNT	b	2437	Ant1	15.02	30	Pass
NVNT	b	2462	Ant1	14.88	30	Pass
NVNT	g	2412	Ant1	14.55	30	Pass
NVNT	g	2437	Ant1	14.36	30	Pass
NVNT	g	2462	Ant1	14.35	30	Pass
NVNT	n20	2412	Ant1	12.77	30	Pass
NVNT	n20	2437	Ant1	13.75	30	Pass
NVNT	n20	2462	Ant1	13.81	30	Pass



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C.3 Maximum Power Spectral Density Level

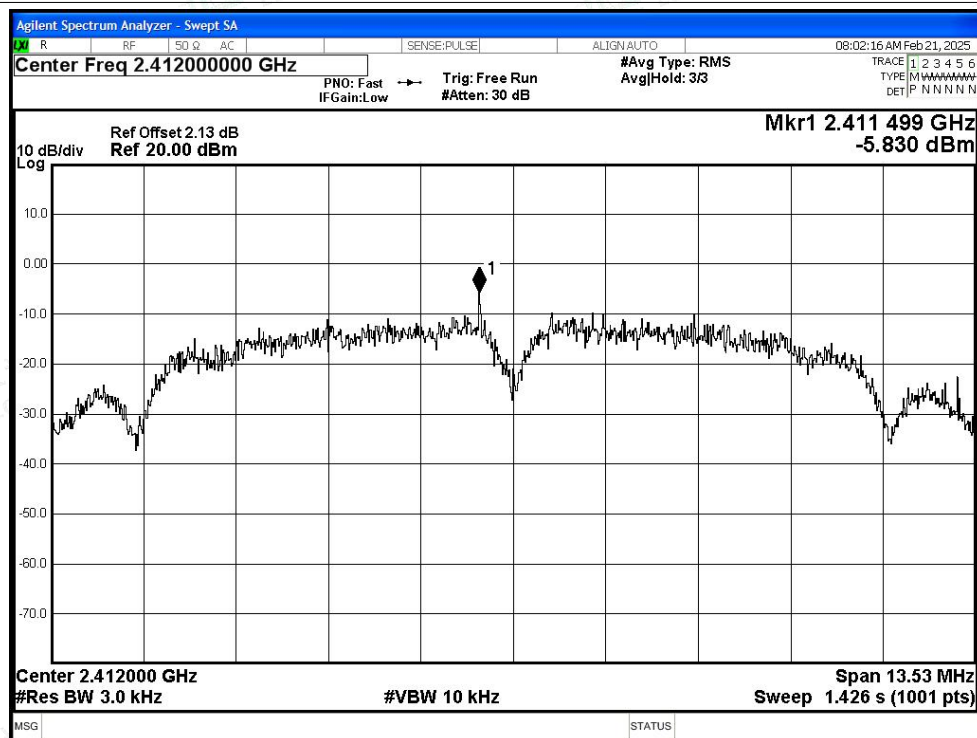
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NVNT	b	2412	Ant1	-5.83	8	Pass
NVNT	b	2437	Ant1	-9.93	8	Pass
NVNT	b	2462	Ant1	-8.15	8	Pass
NVNT	g	2412	Ant1	-16.24	8	Pass
NVNT	g	2437	Ant1	-16.41	8	Pass
NVNT	g	2462	Ant1	-16.02	8	Pass
NVNT	n20	2412	Ant1	-16.87	8	Pass
NVNT	n20	2437	Ant1	-16.37	8	Pass
NVNT	n20	2462	Ant1	-16.57	8	Pass



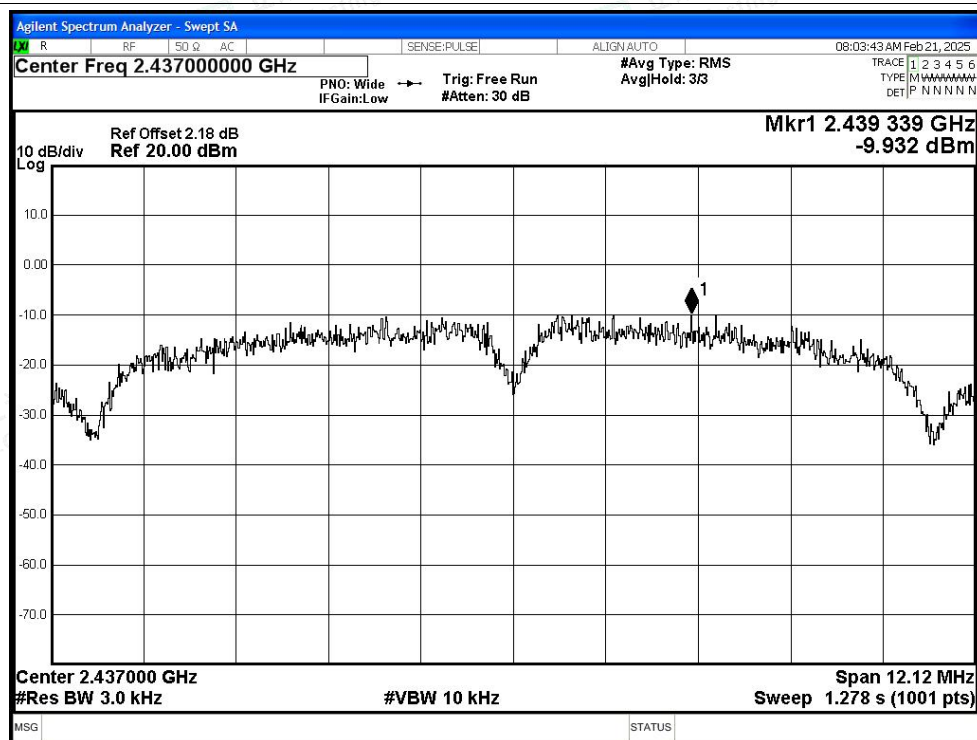


Test Graphs

PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1



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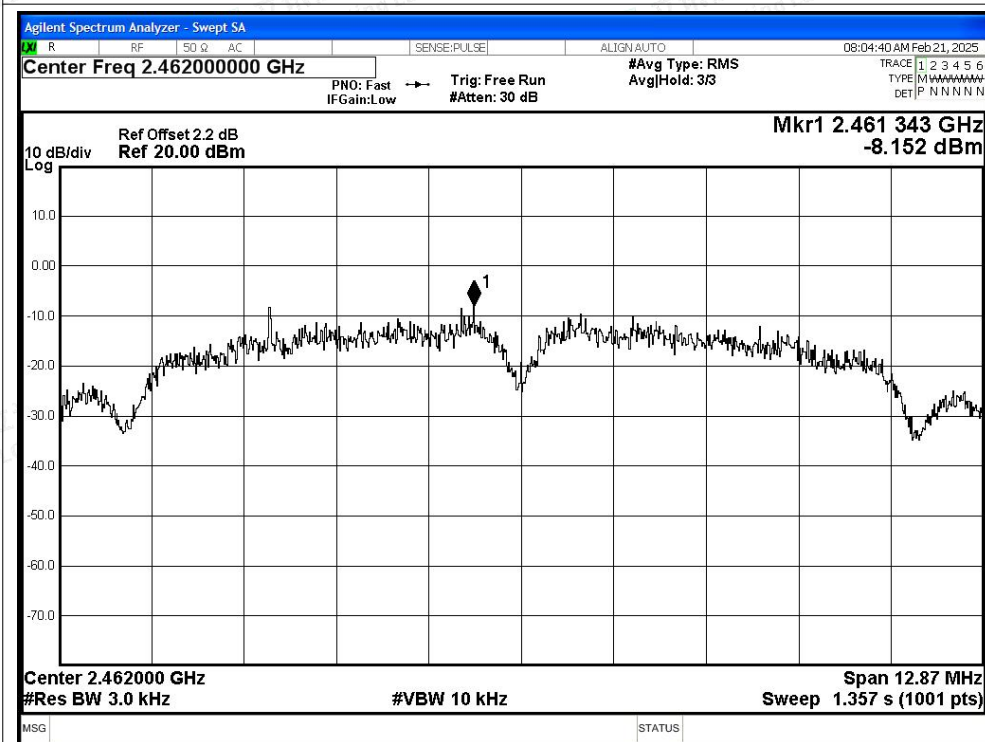
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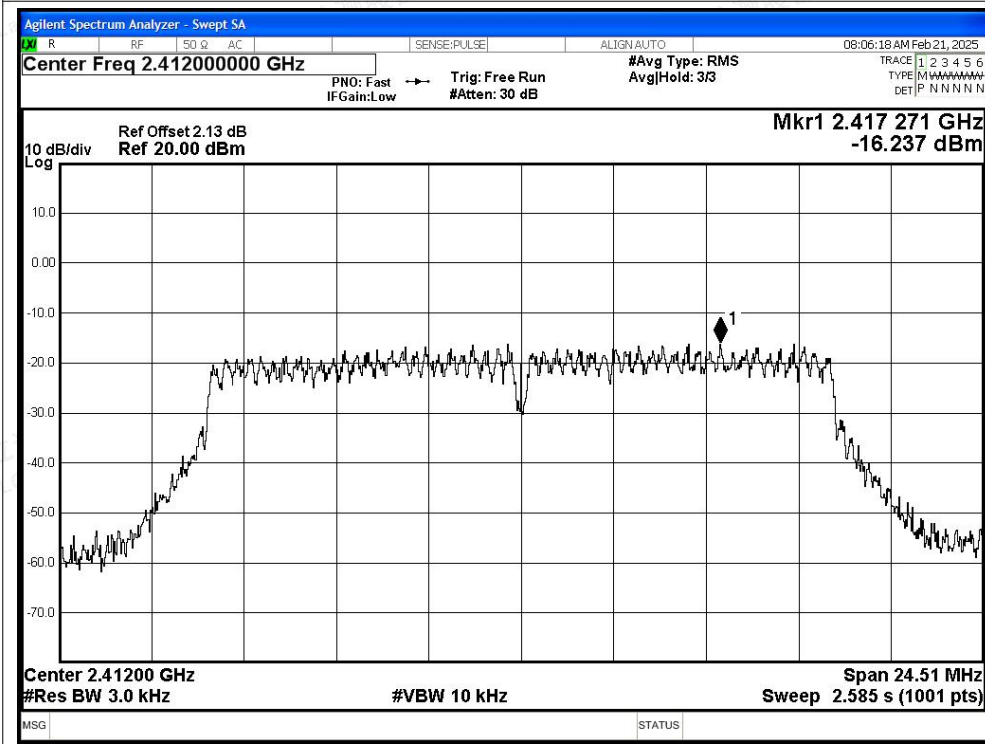
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PSD NVNT b 2462MHz Ant1



PSD NVNT g 2412MHz Ant1



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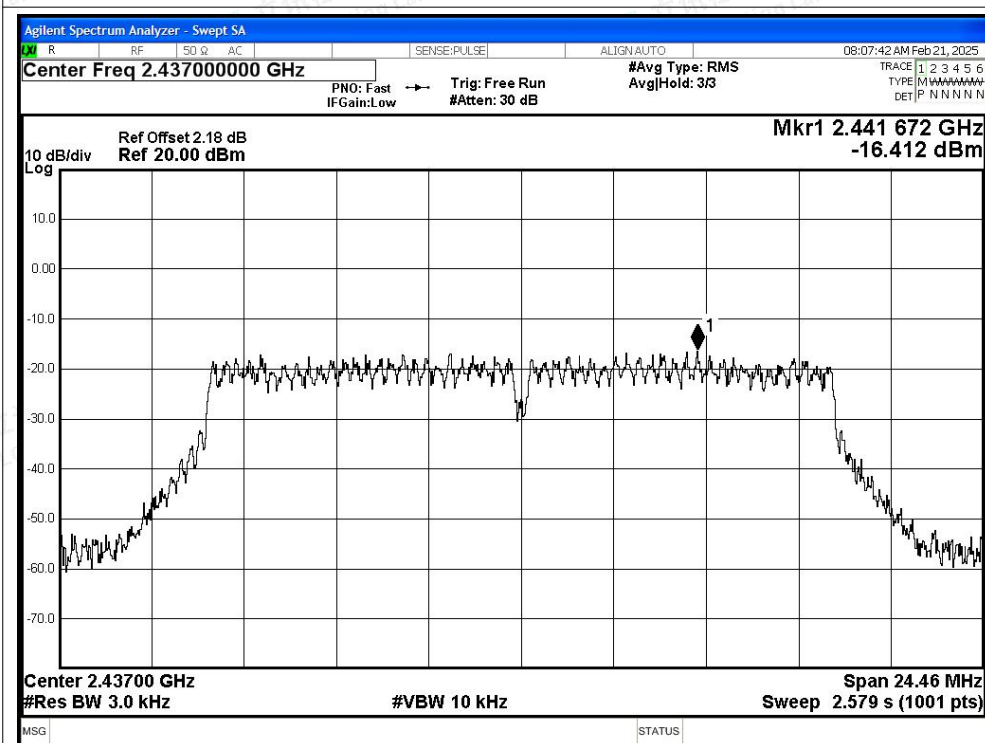
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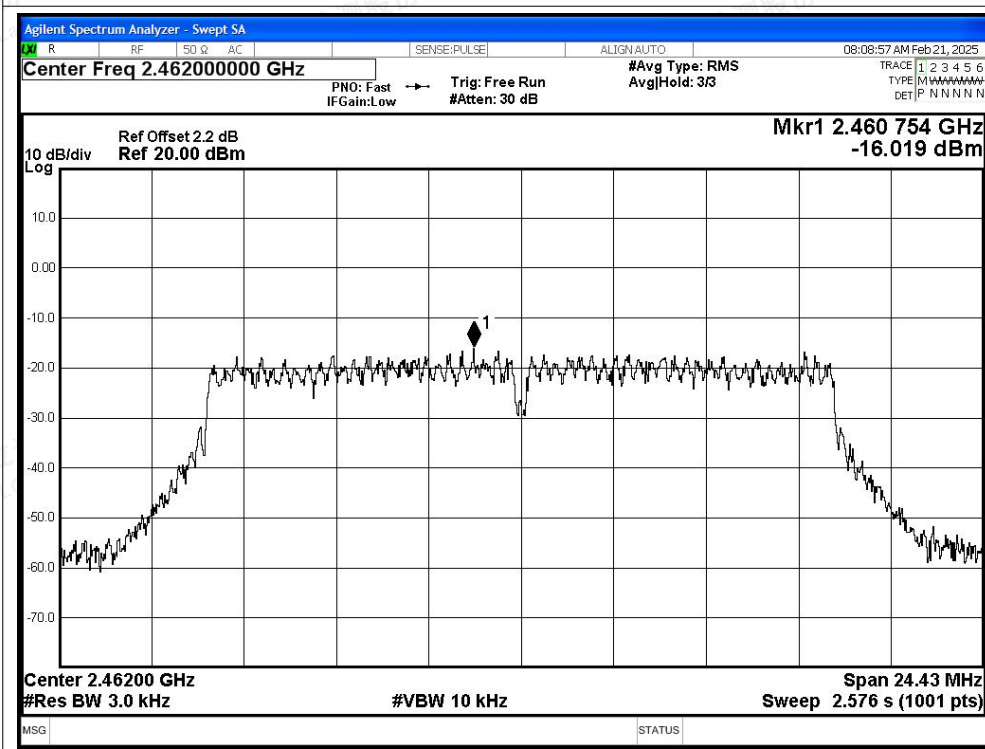
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PSD NVNT g 2437MHz Ant1



PSD NVNT g 2462MHz Ant1

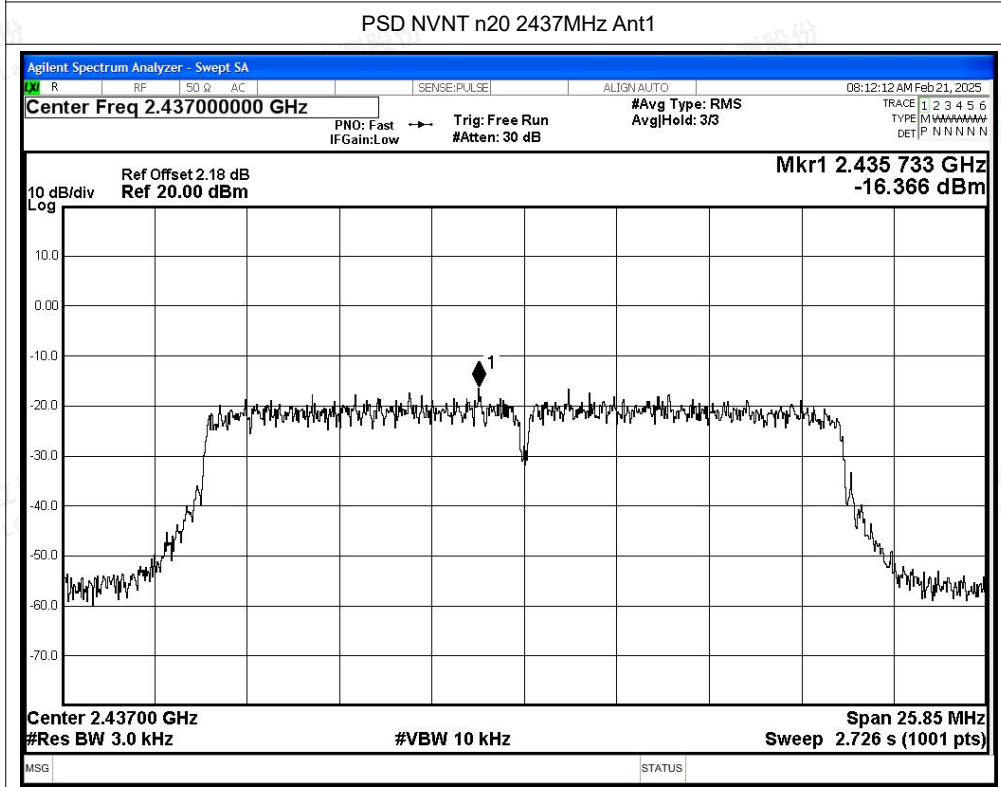
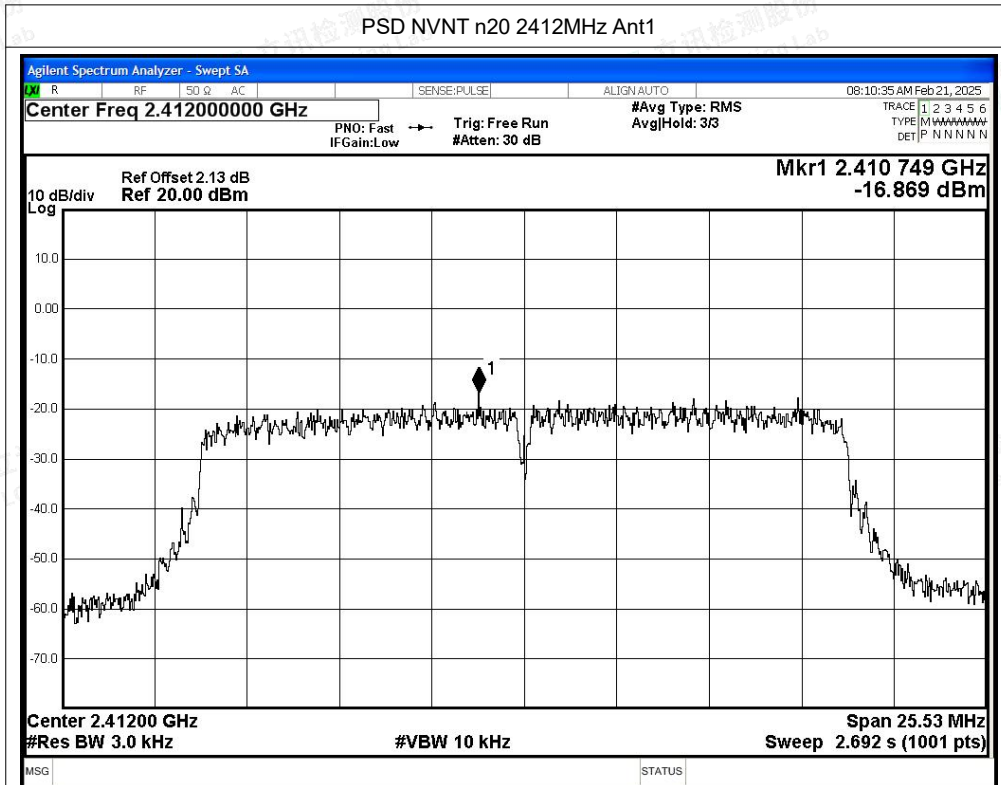


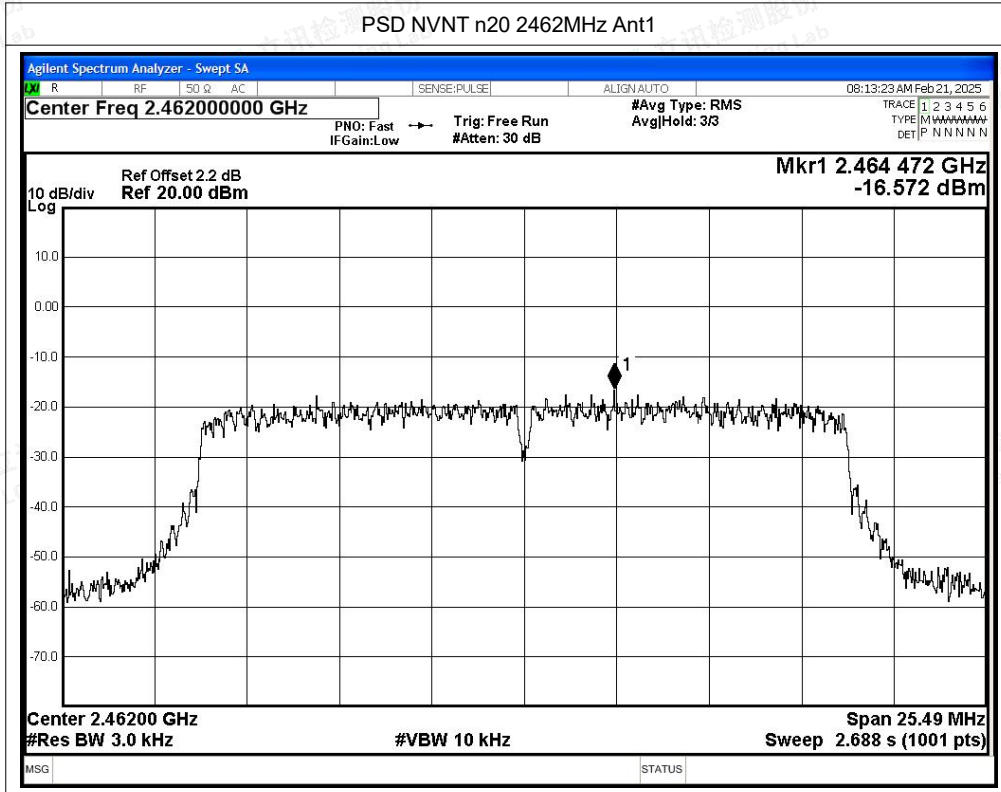
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C.4 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-48.11	-20	Pass
NVNT	b	2462	Ant1	-59.24	-20	Pass
NVNT	g	2412	Ant1	-33.6	-20	Pass
NVNT	g	2462	Ant1	-42.06	-20	Pass
NVNT	n20	2412	Ant1	-32.81	-20	Pass
NVNT	n20	2462	Ant1	-39.81	-20	Pass



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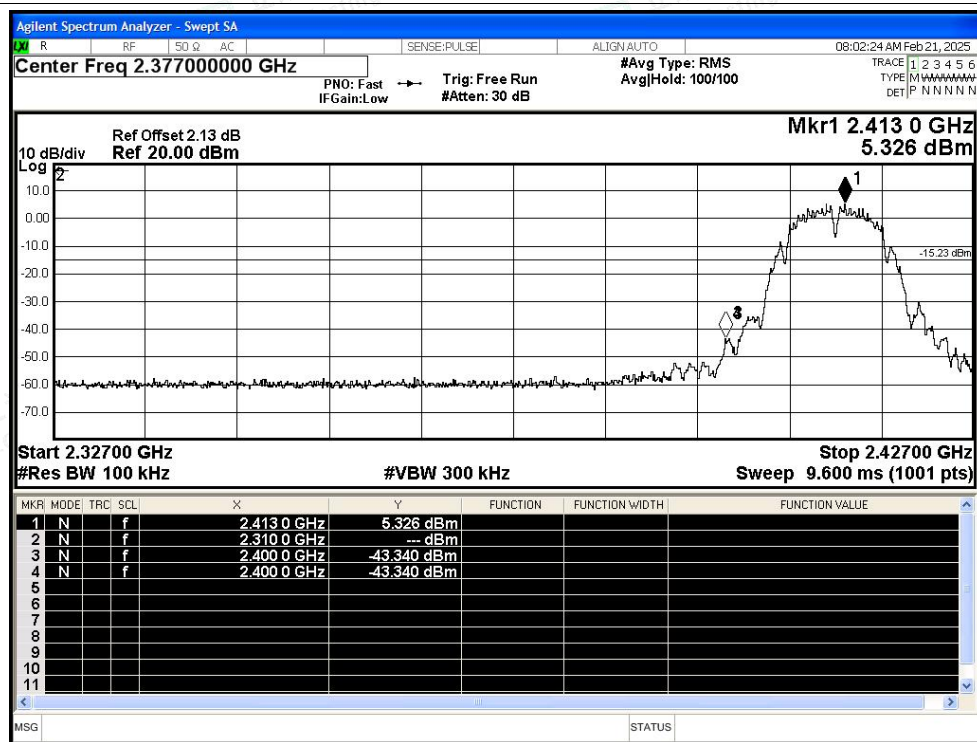


Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



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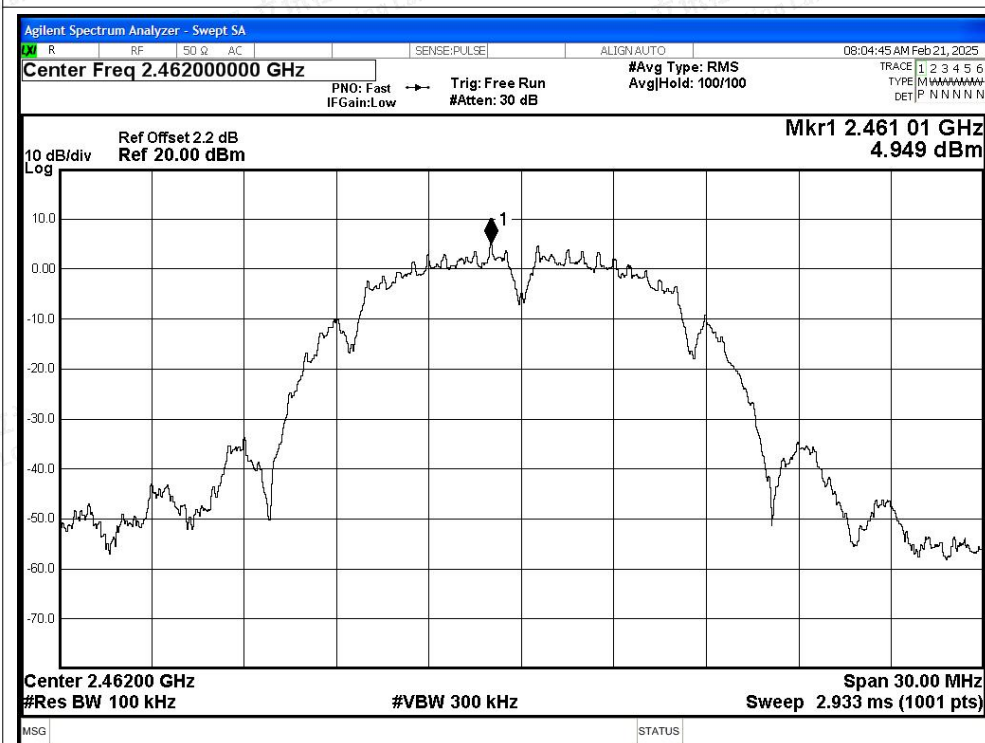
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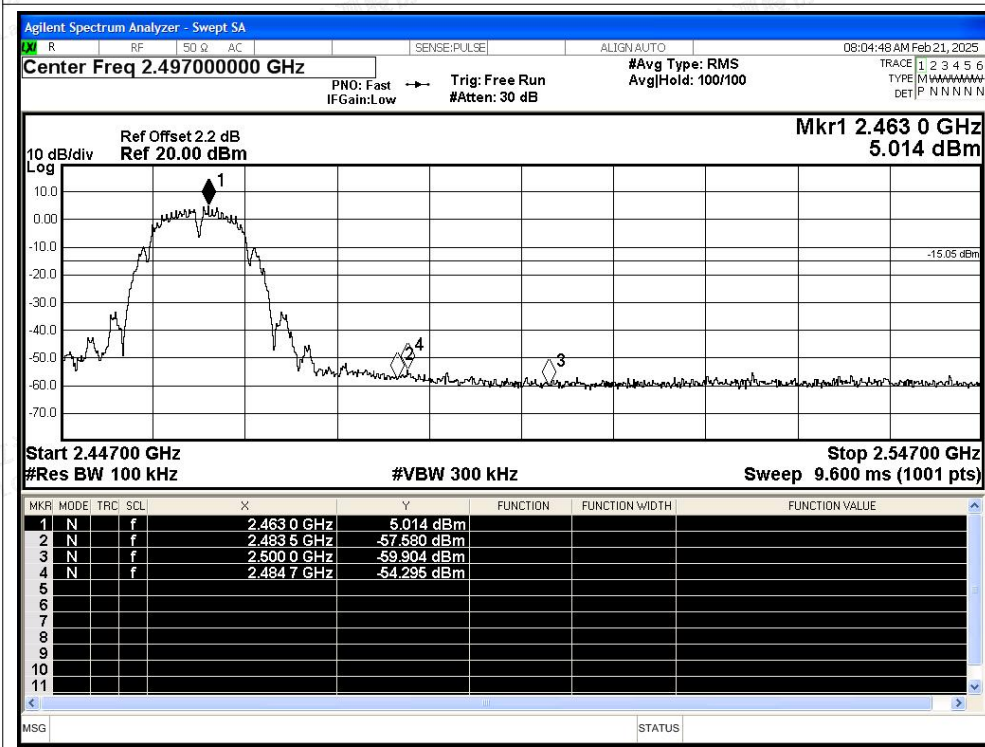
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Band Edge NVNT b 2462MHz Ant1 Ref



Band Edge NVNT b 2462MHz Ant1 Emission



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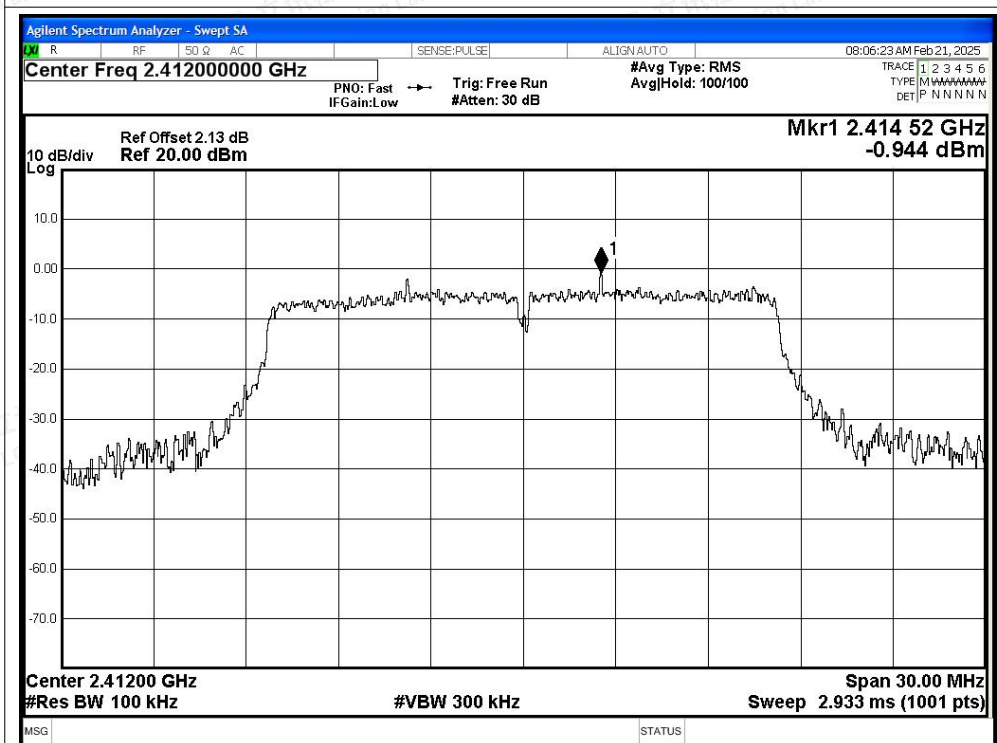
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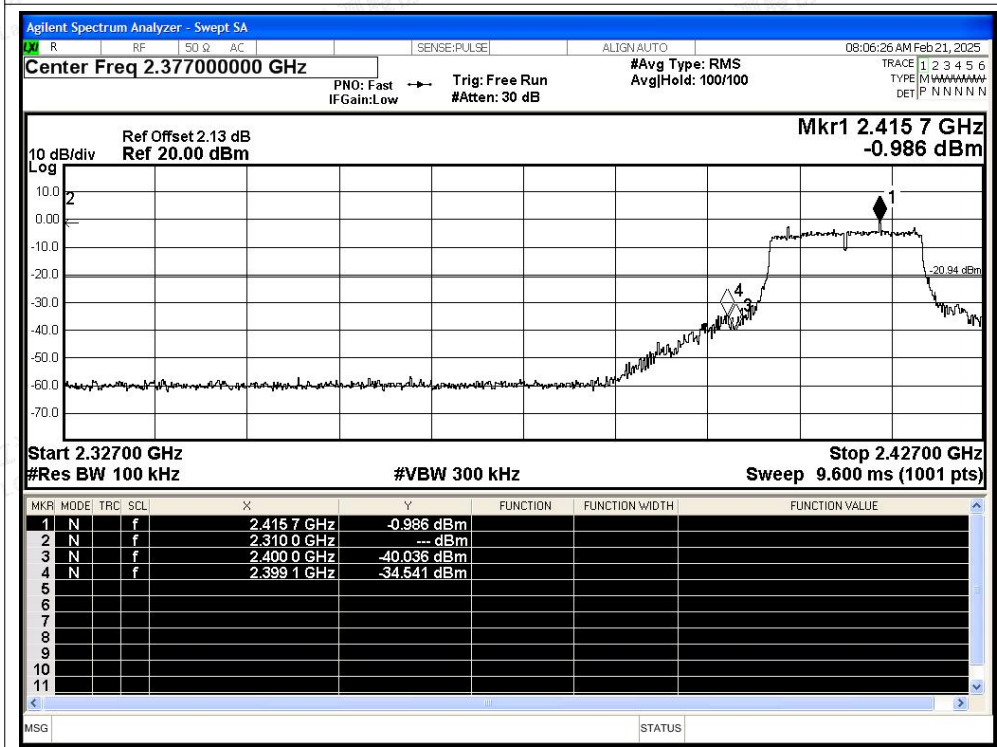
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Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission



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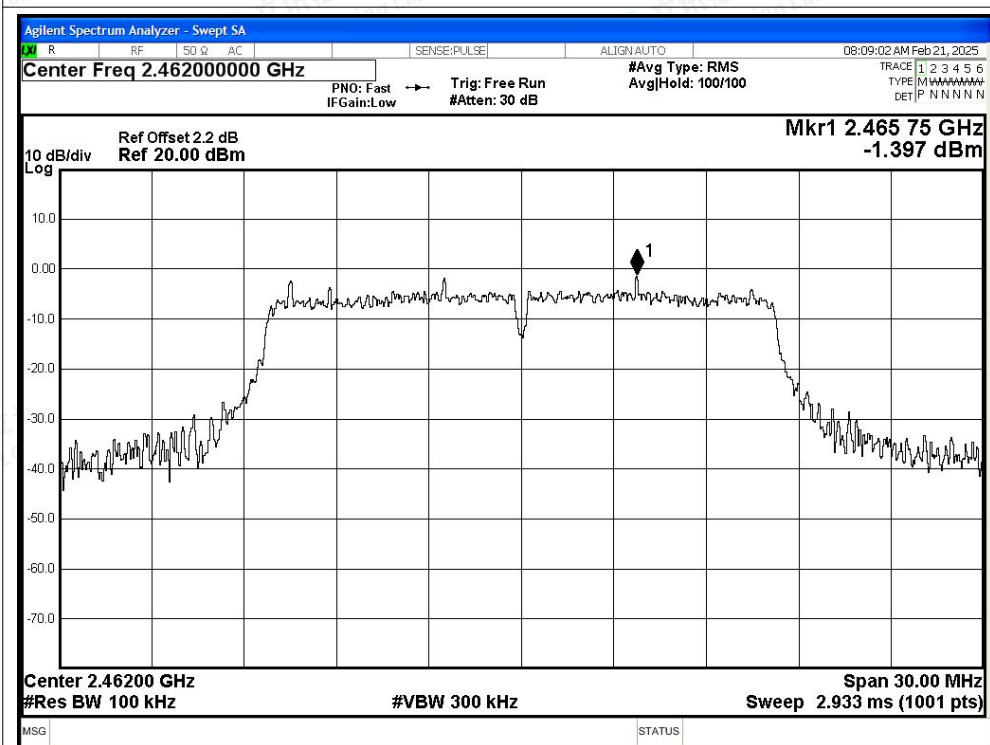
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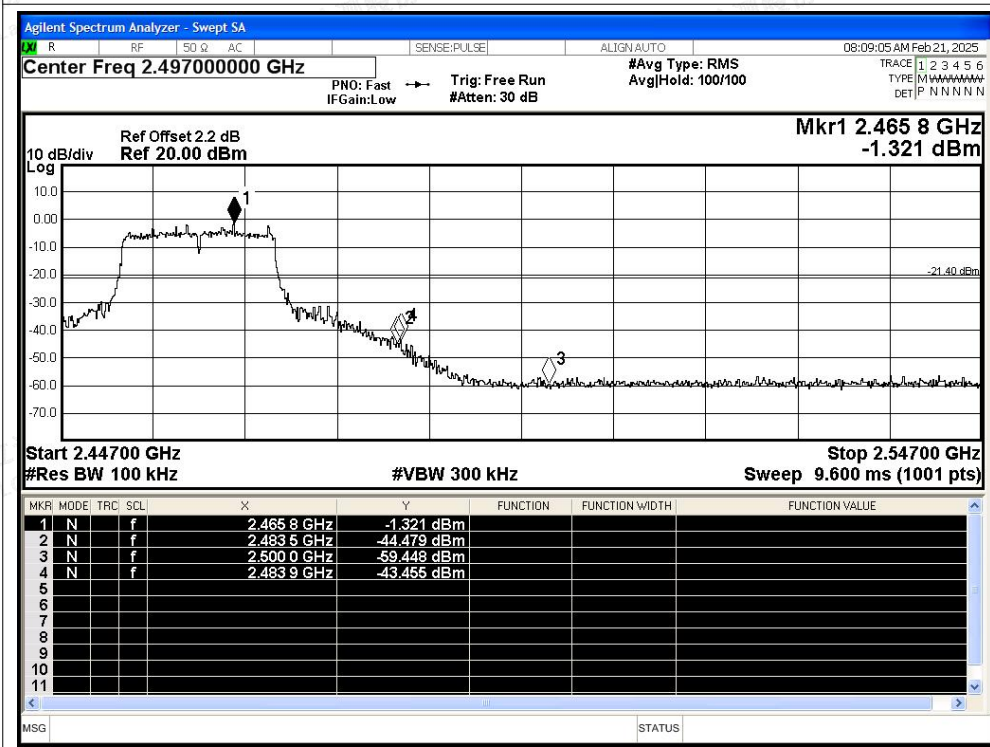
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Band Edge NVNT g 2462MHz Ant1 Ref



Band Edge NVNT g 2462MHz Ant1 Emission



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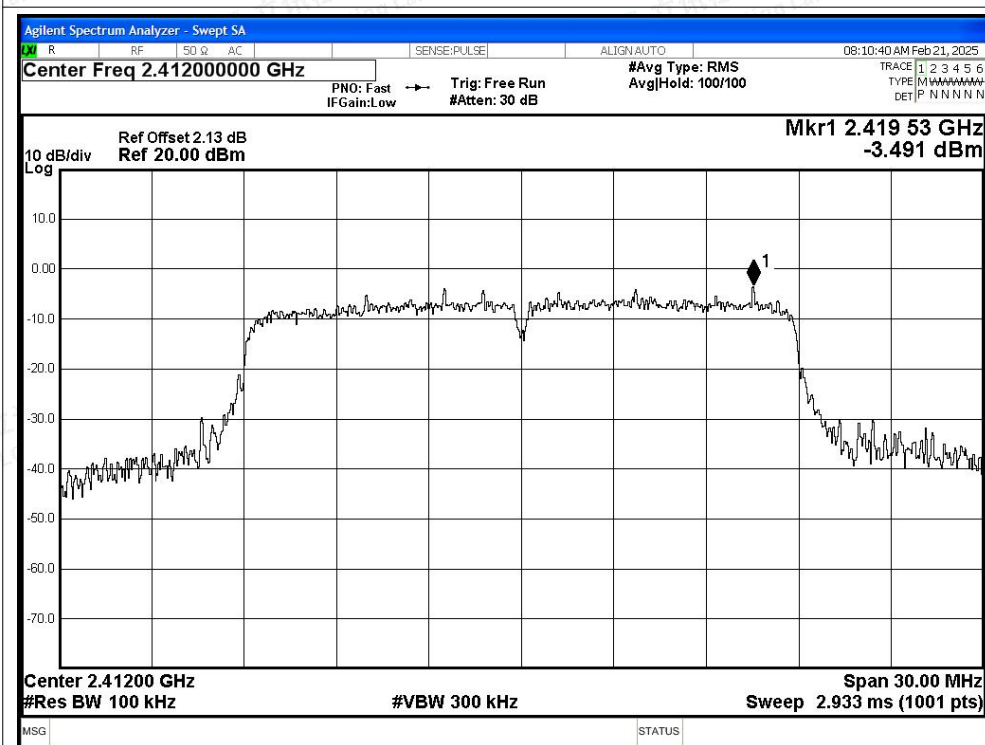
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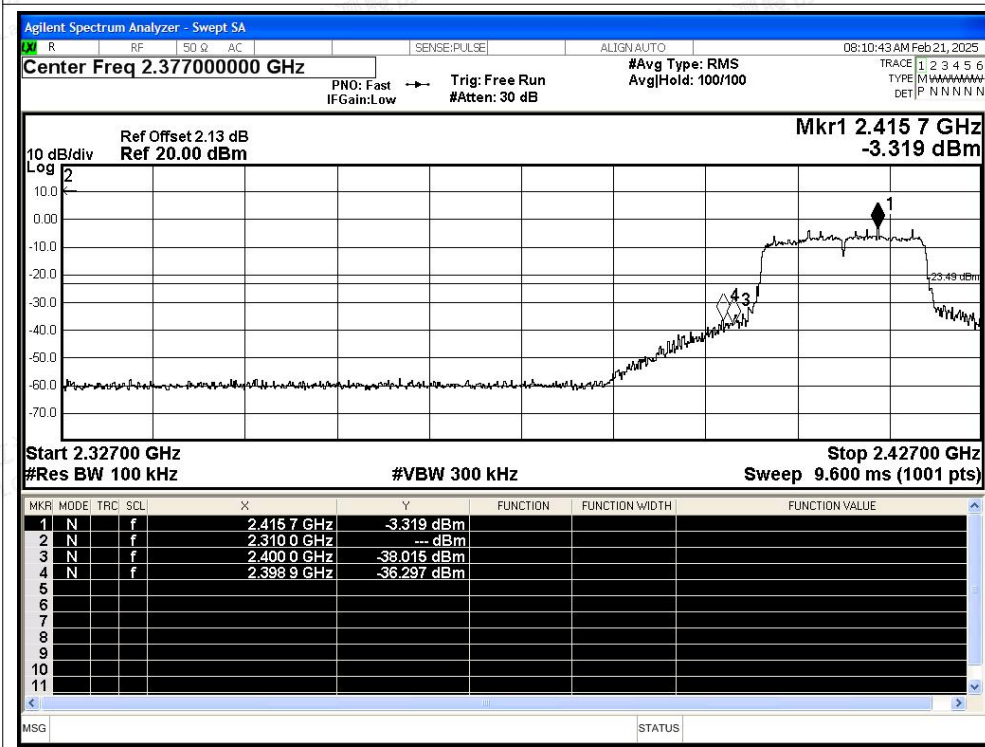
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Band Edge NVNT n20 2412MHz Ant1 Ref



Band Edge NVNT n20 2412MHz Ant1 Emission



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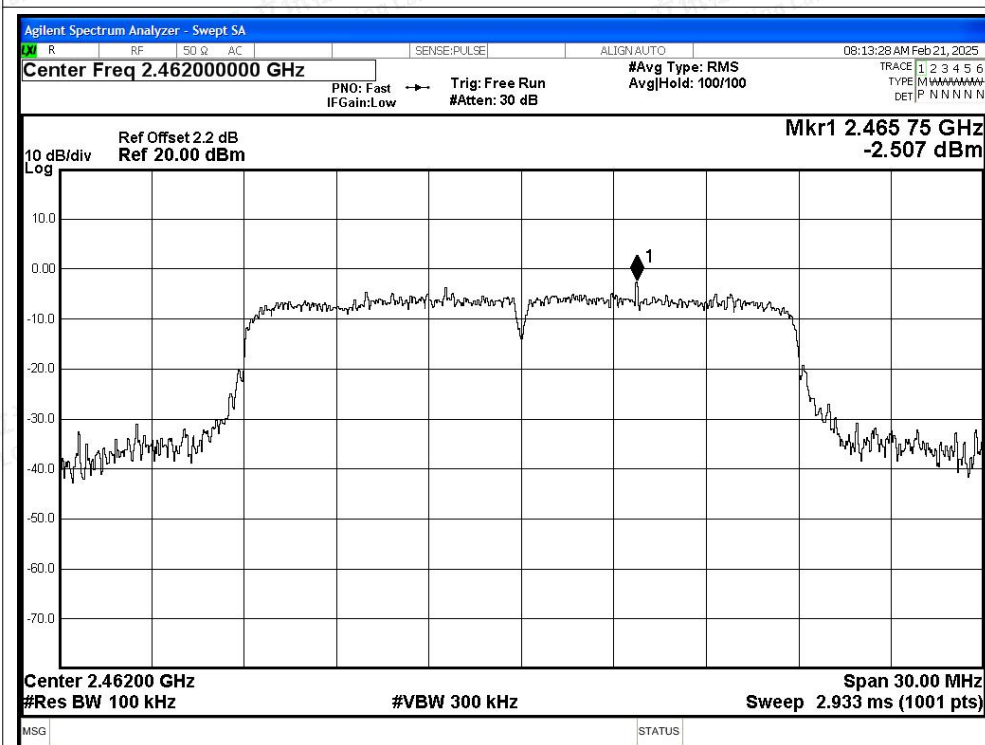
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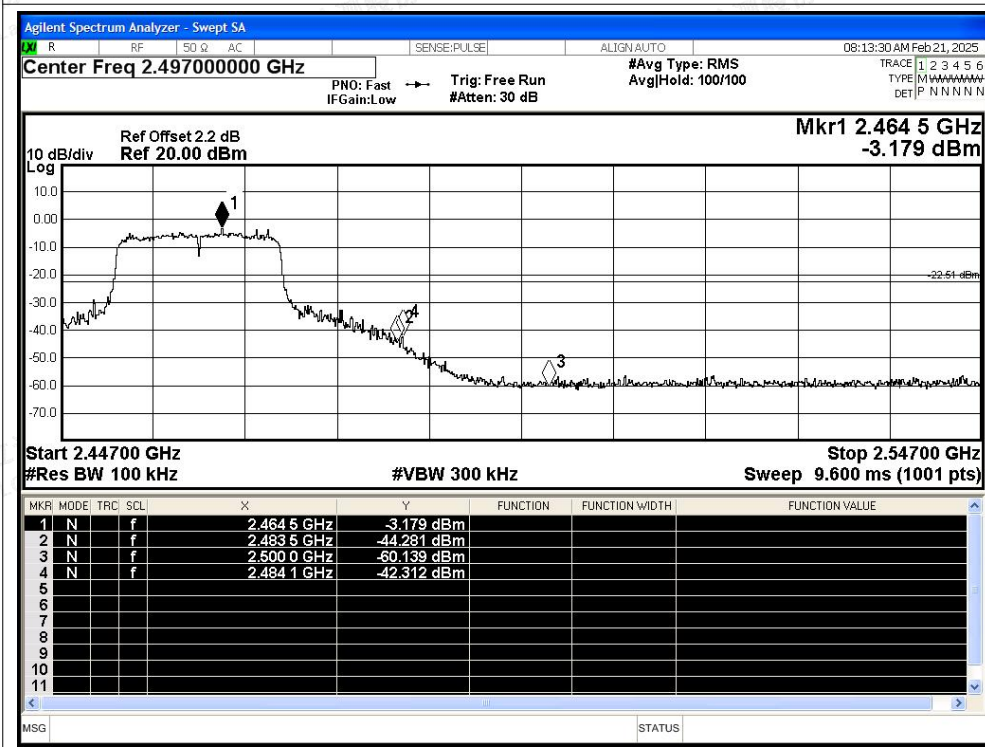
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Band Edge NVNT n20 2462MHz Ant1 Ref



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C.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-50.8	-20	Pass
NVNT	b	2437	Ant1	-51.45	-20	Pass
NVNT	b	2462	Ant1	-50.08	-20	Pass
NVNT	g	2412	Ant1	-45.65	-20	Pass
NVNT	g	2437	Ant1	-44.29	-20	Pass
NVNT	g	2462	Ant1	-44.13	-20	Pass
NVNT	n20	2412	Ant1	-42.4	-20	Pass
NVNT	n20	2437	Ant1	-42.79	-20	Pass
NVNT	n20	2462	Ant1	-43.78	-20	Pass



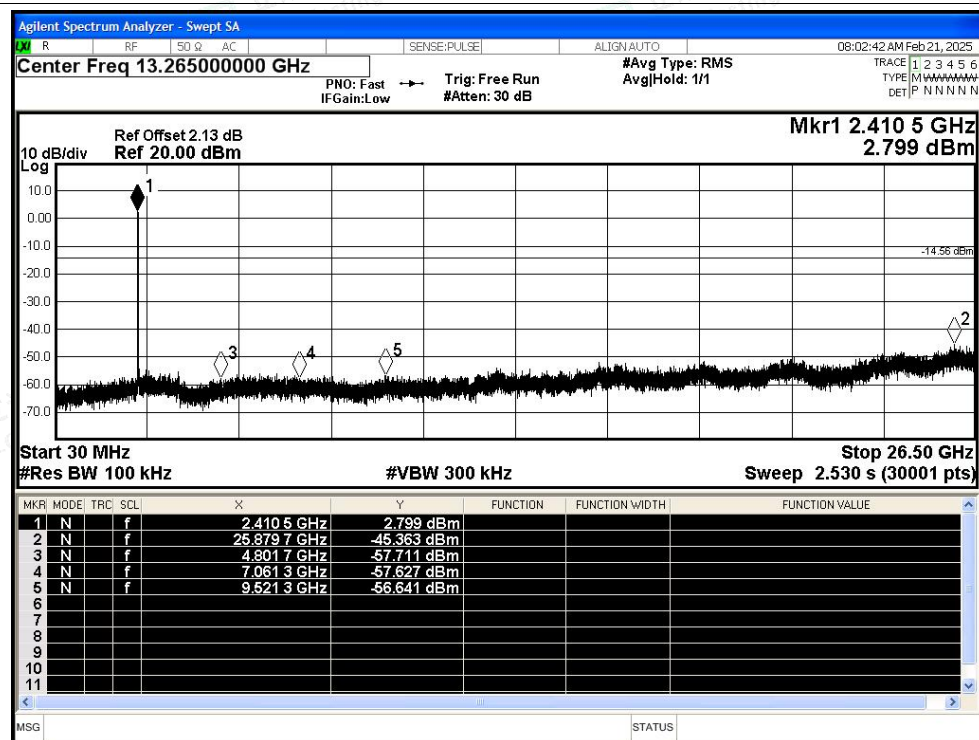


Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission



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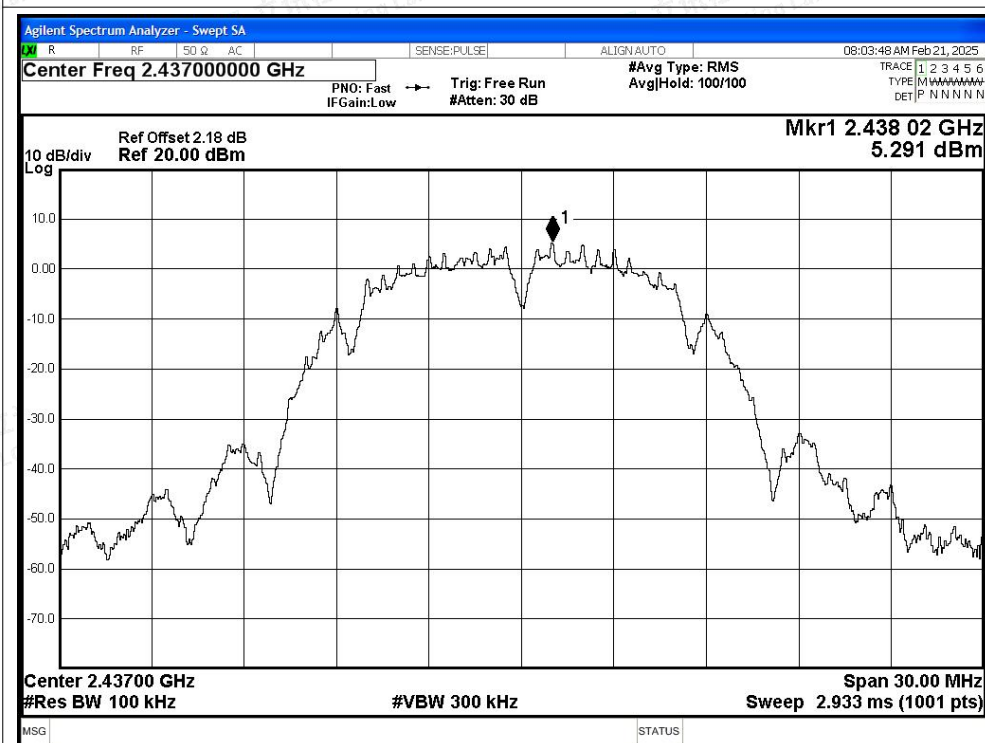
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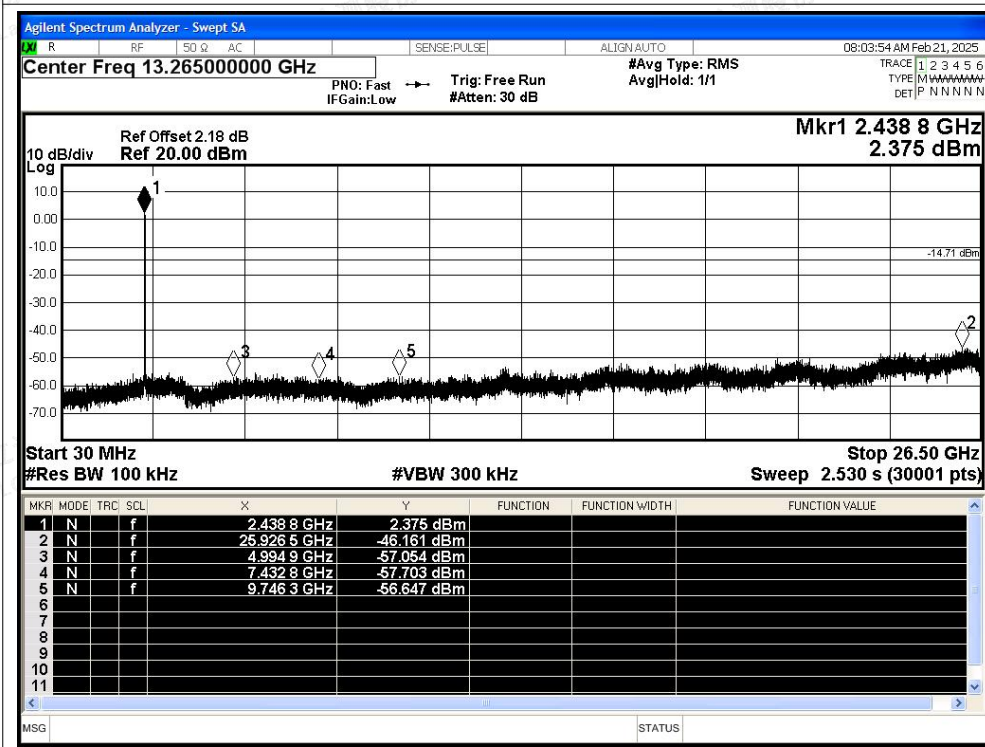
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Tx. Spurious NVNT b 2437MHz Ant1 Ref



Tx. Spurious NVNT b 2437MHz Ant1 Emission



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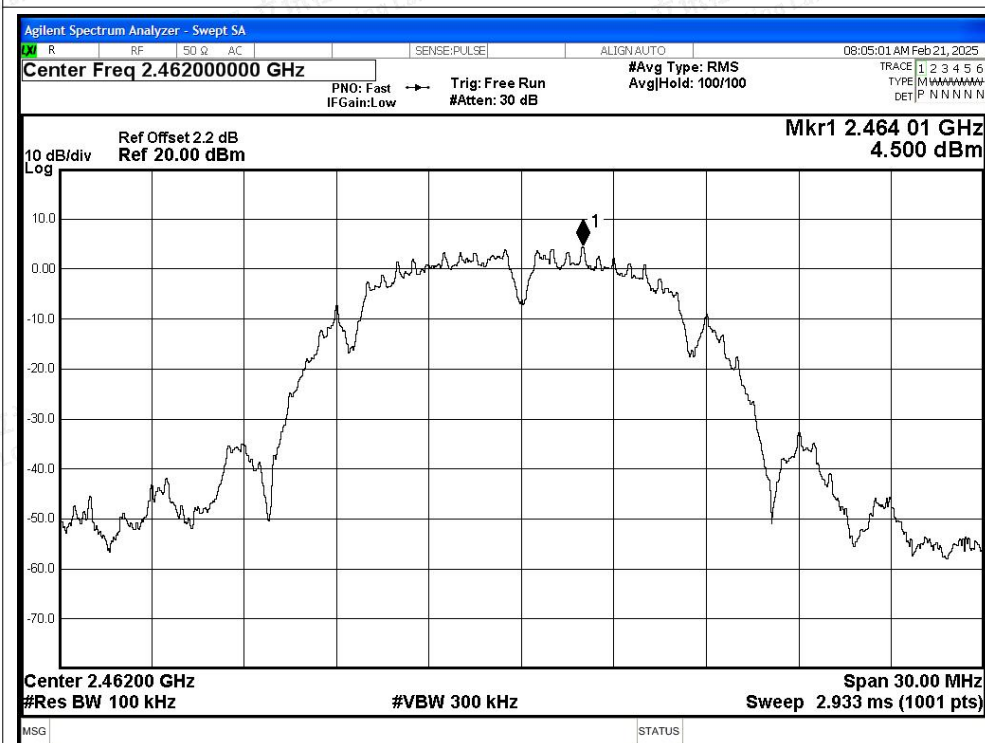
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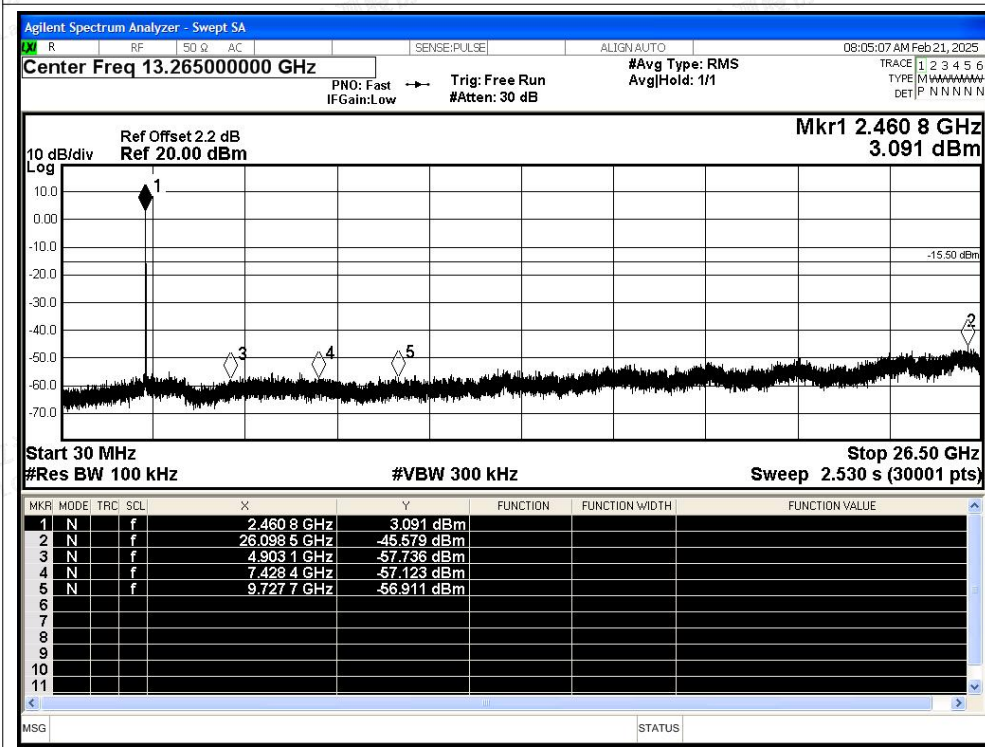
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Tx. Spurious NVNT b 2462MHz Ant1 Emission



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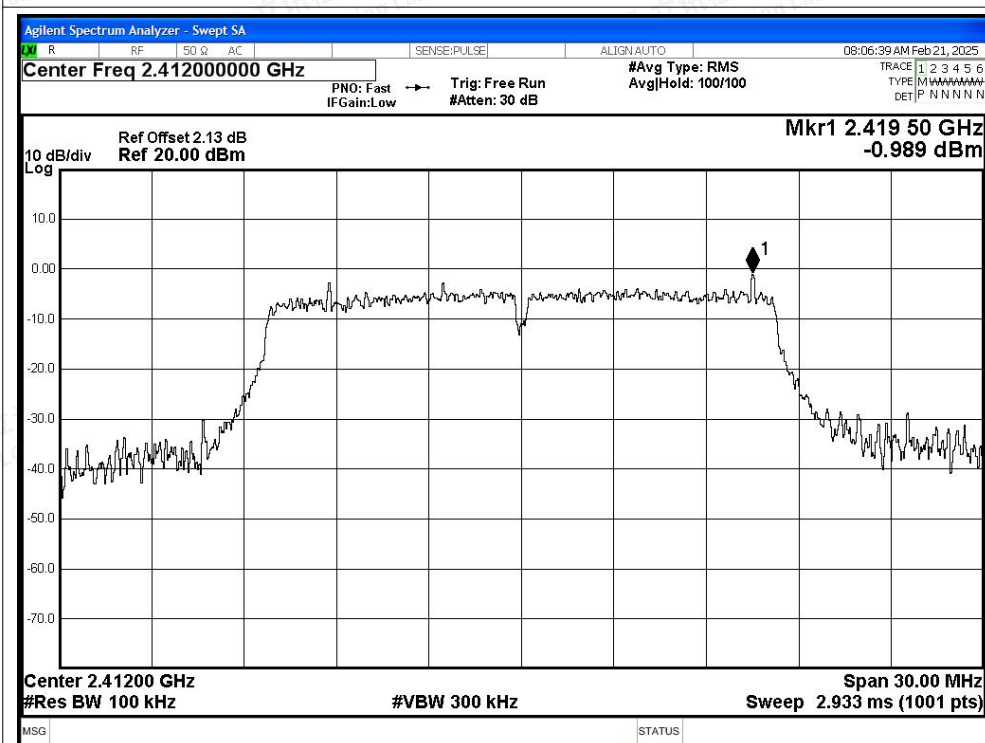
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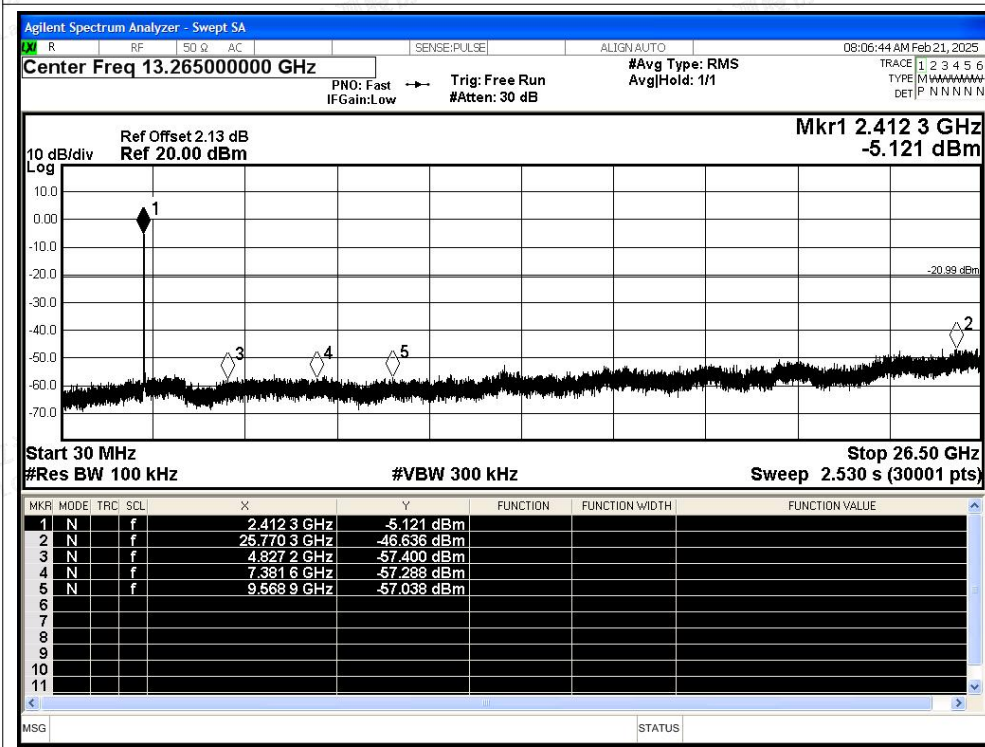
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Tx. Spurious NVNT g 2412MHz Ant1 Ref



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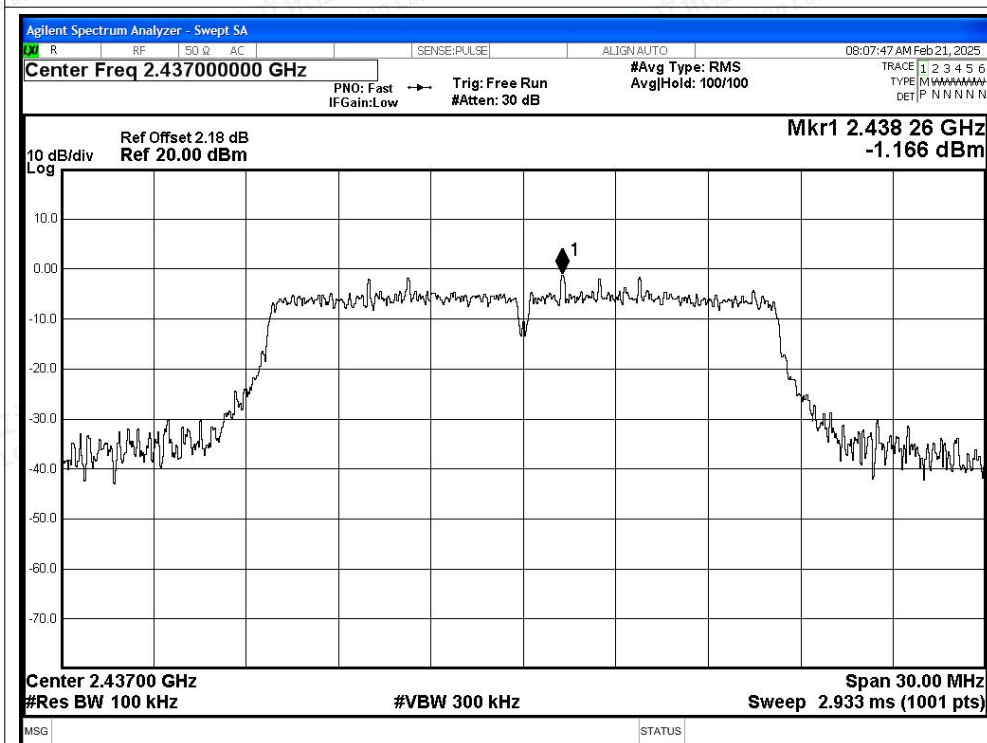
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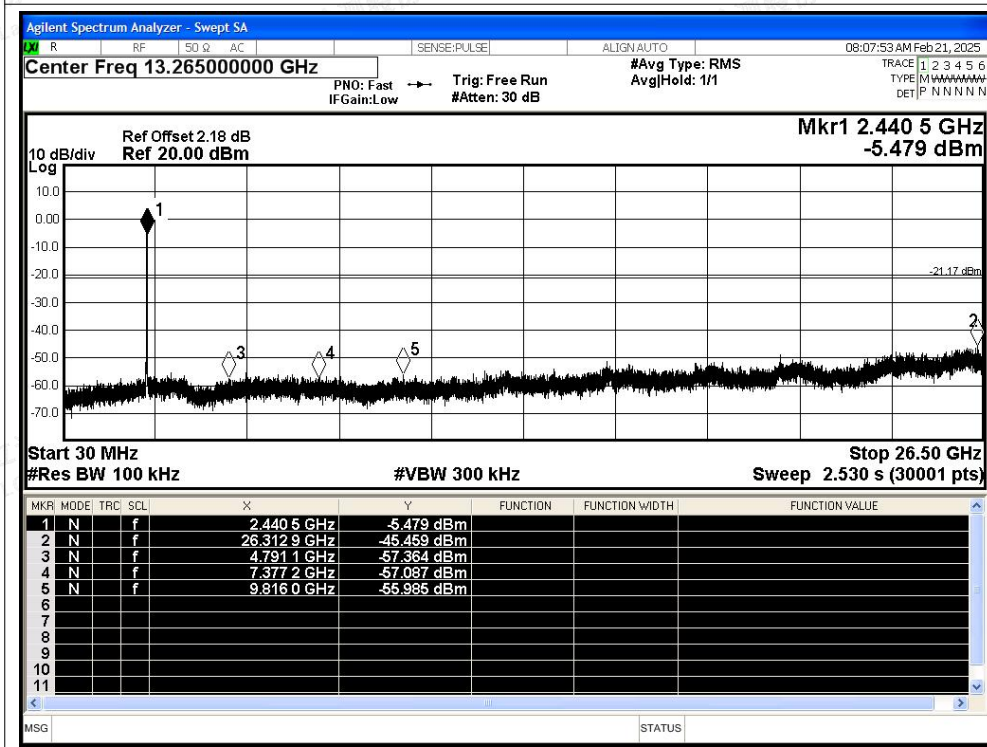
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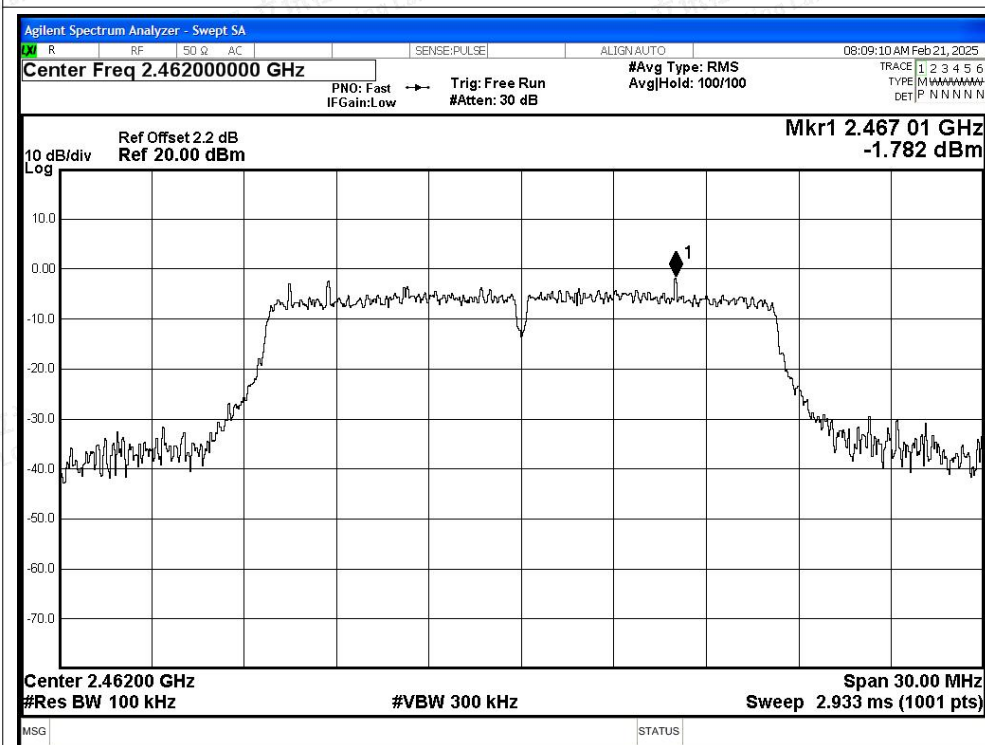
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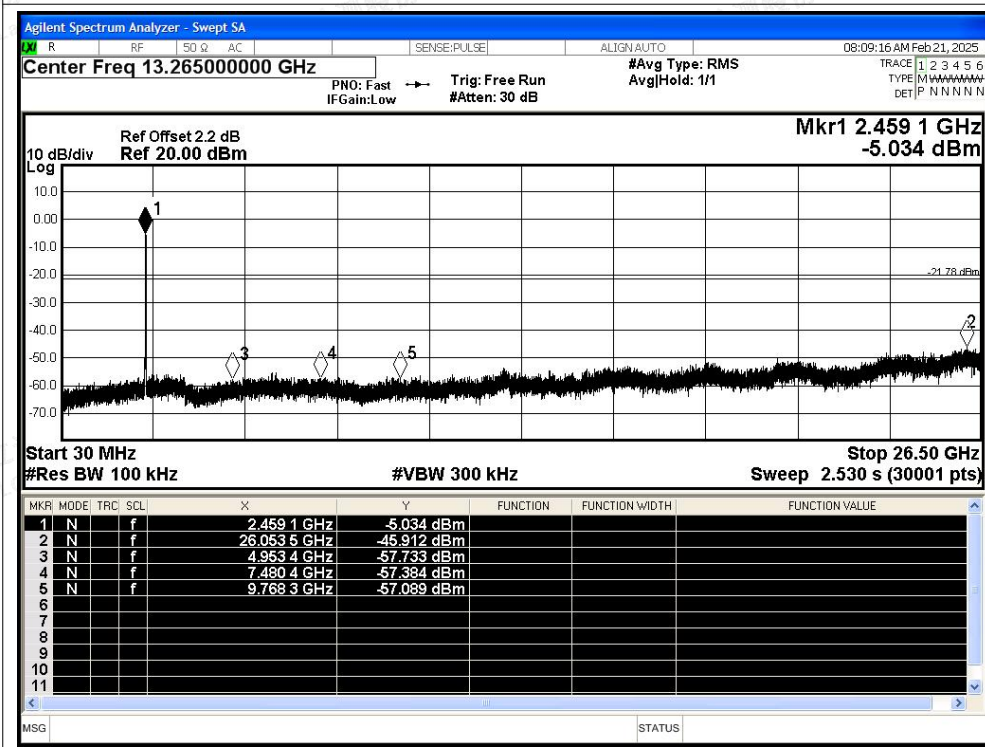
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Tx. Spurious NVNT g 2462MHz Ant1 Ref



Tx. Spurious NVNT g 2462MHz Ant1 Emission



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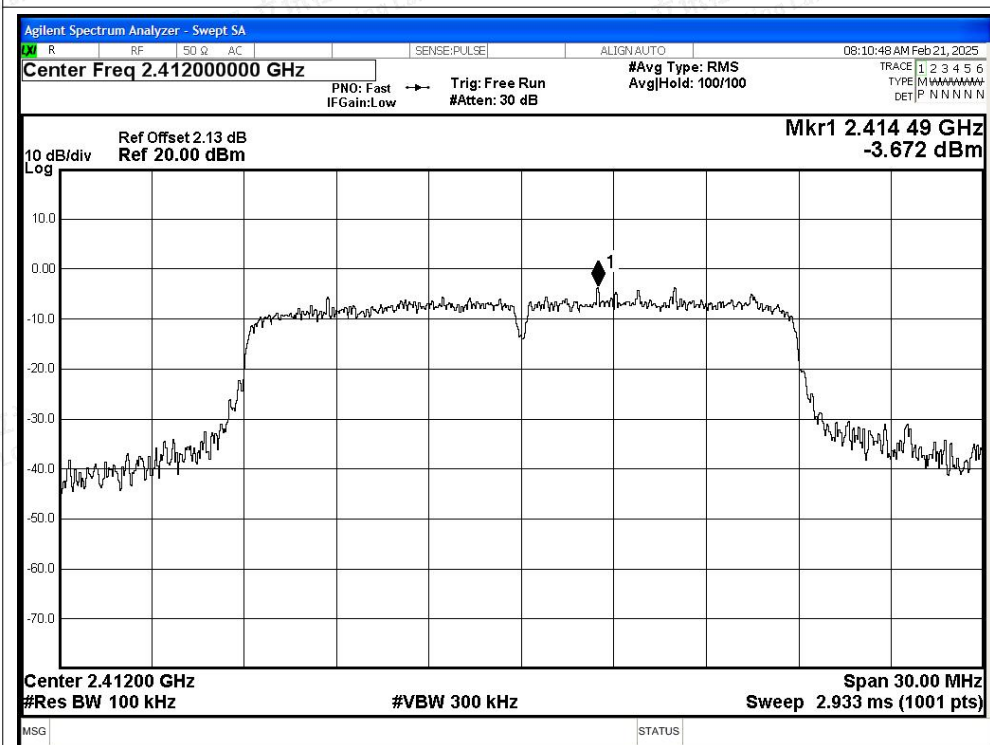
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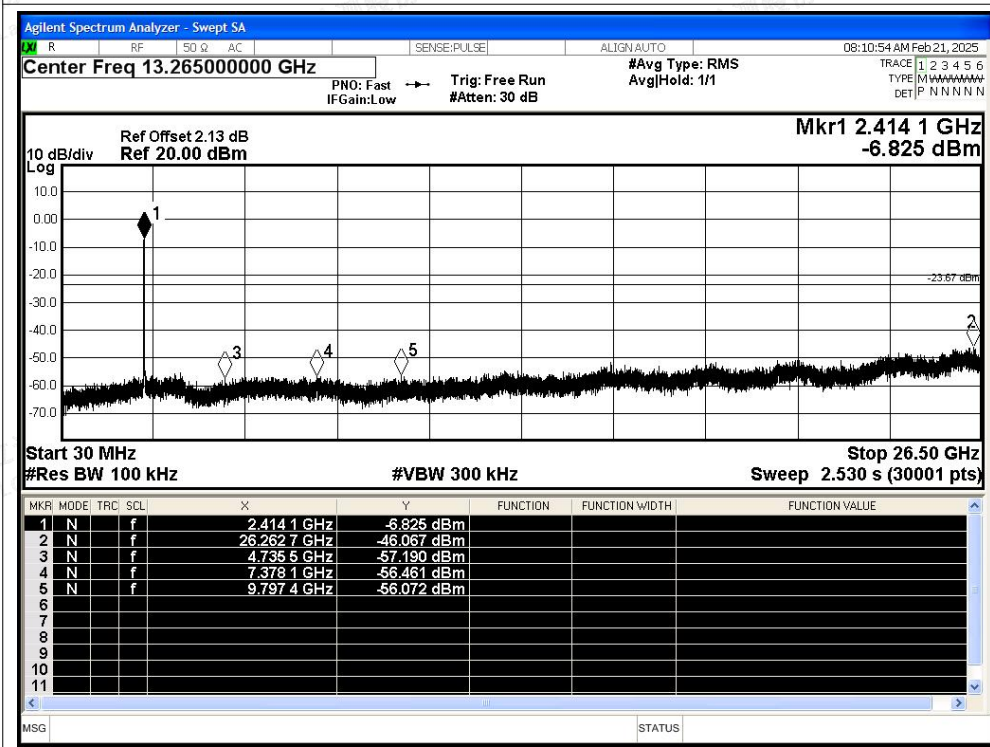
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