



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: PicassoTab_X11

Test Model: PicassoTab_X11

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
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	8.566	≥ 0.5	Pass
NVNT	b	2437	Ant1	8.042	≥ 0.5	Pass
NVNT	b	2462	Ant1	8.561	≥ 0.5	Pass
NVNT	g	2412	Ant1	15.709	≥ 0.5	Pass
NVNT	g	2437	Ant1	14.387	≥ 0.5	Pass
NVNT	g	2462	Ant1	13.201	≥ 0.5	Pass
NVNT	n20	2412	Ant1	13.771	≥ 0.5	Pass
NVNT	n20	2437	Ant1	15.084	≥ 0.5	Pass
NVNT	n20	2462	Ant1	13.858	≥ 0.5	Pass



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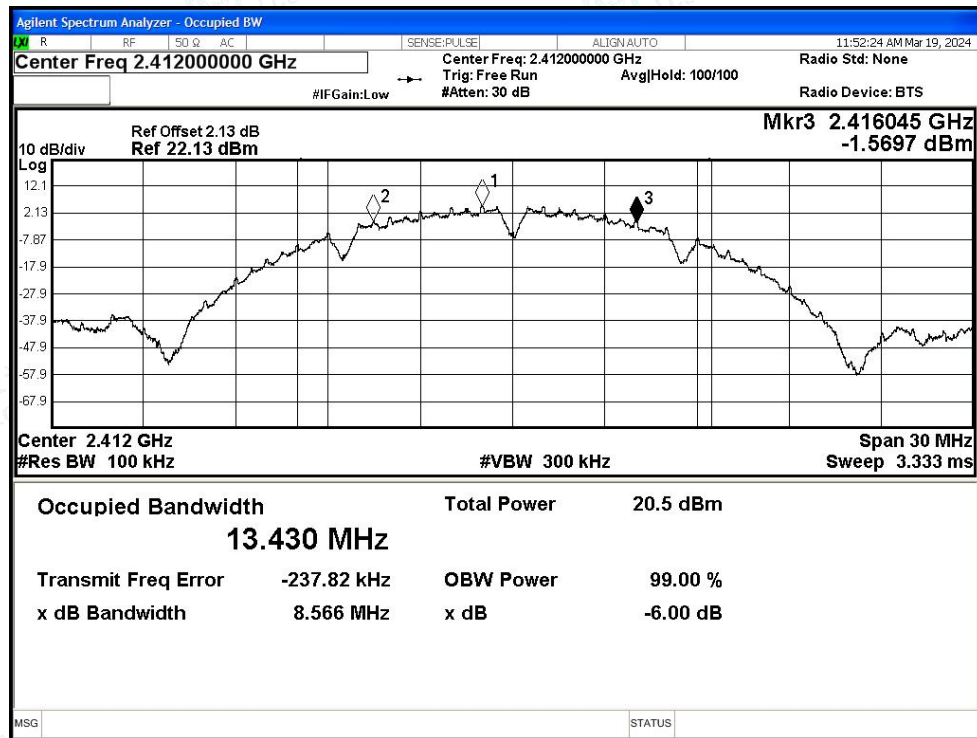
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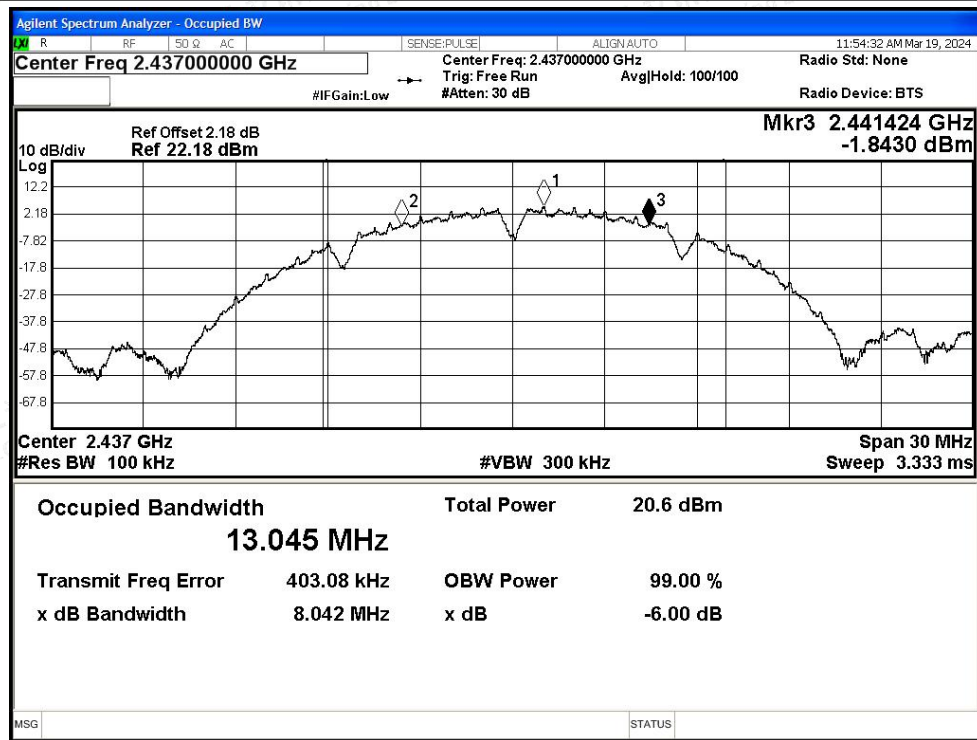


Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1



-6dB Bandwidth NVNT b 2437MHz Ant1

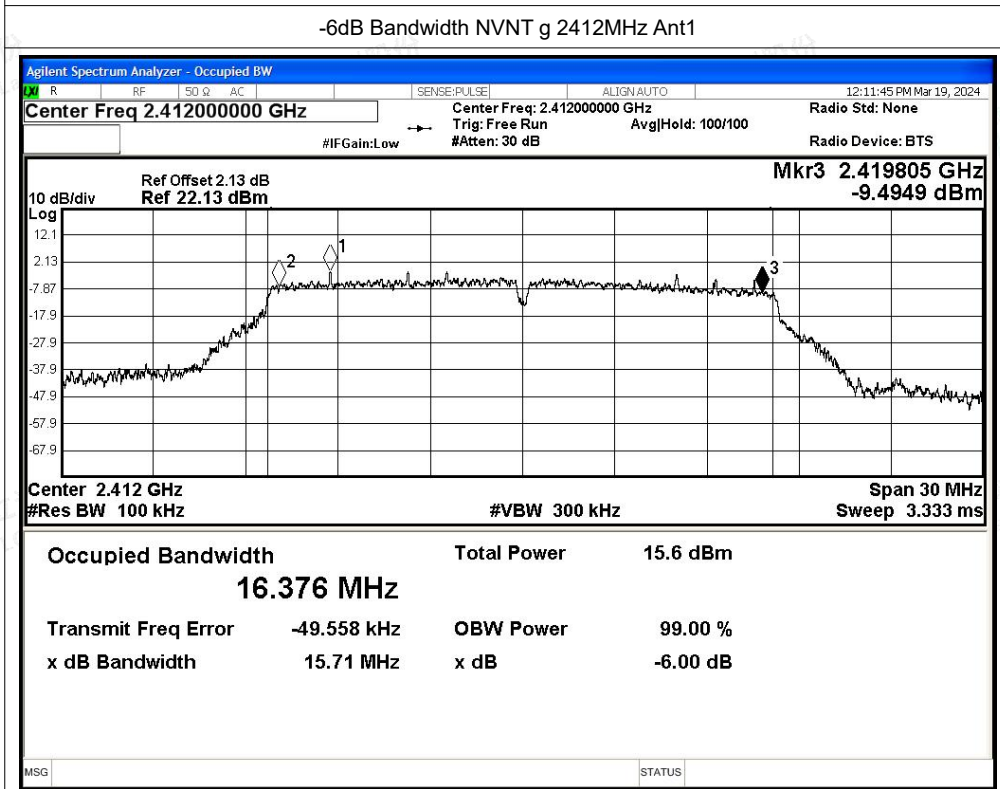
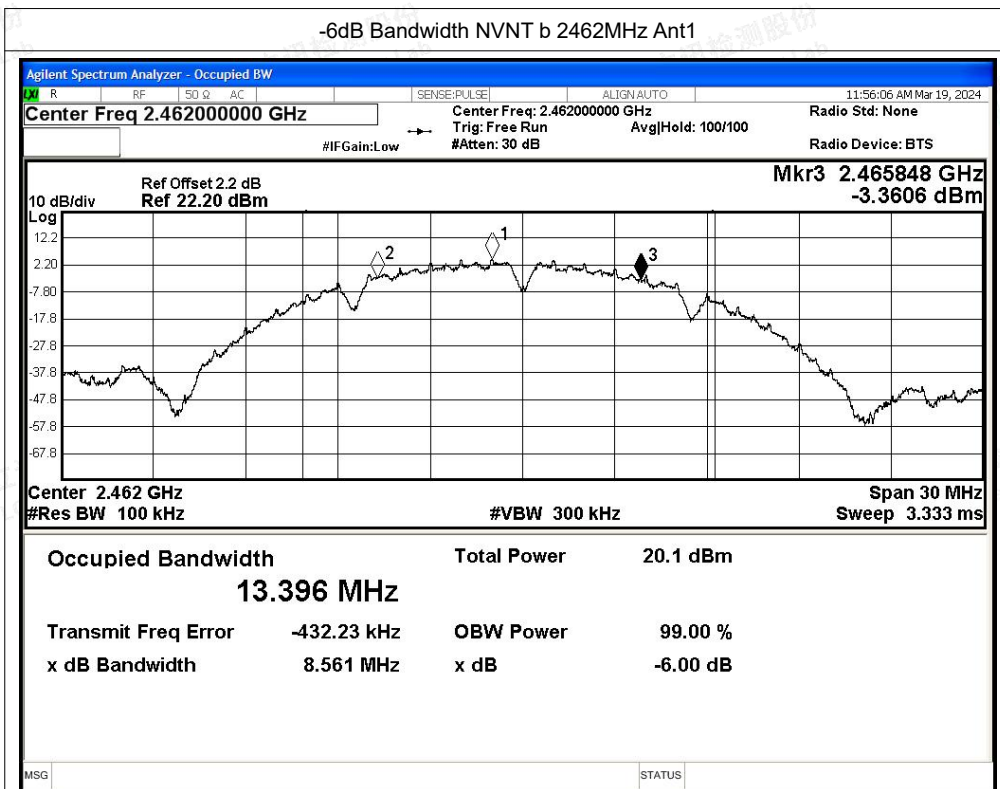


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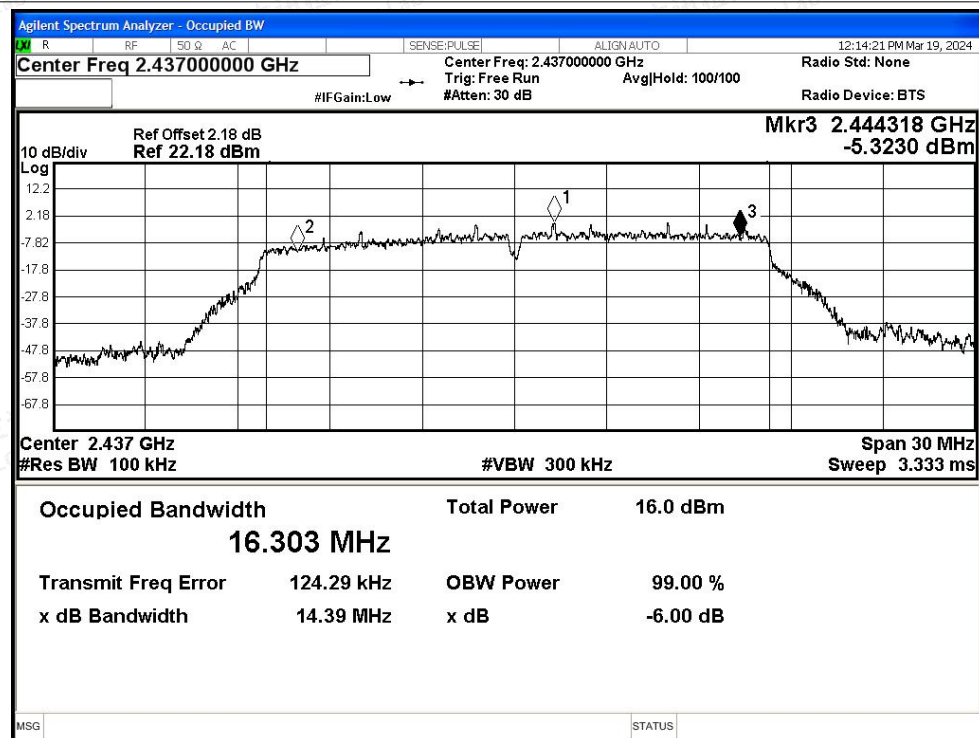
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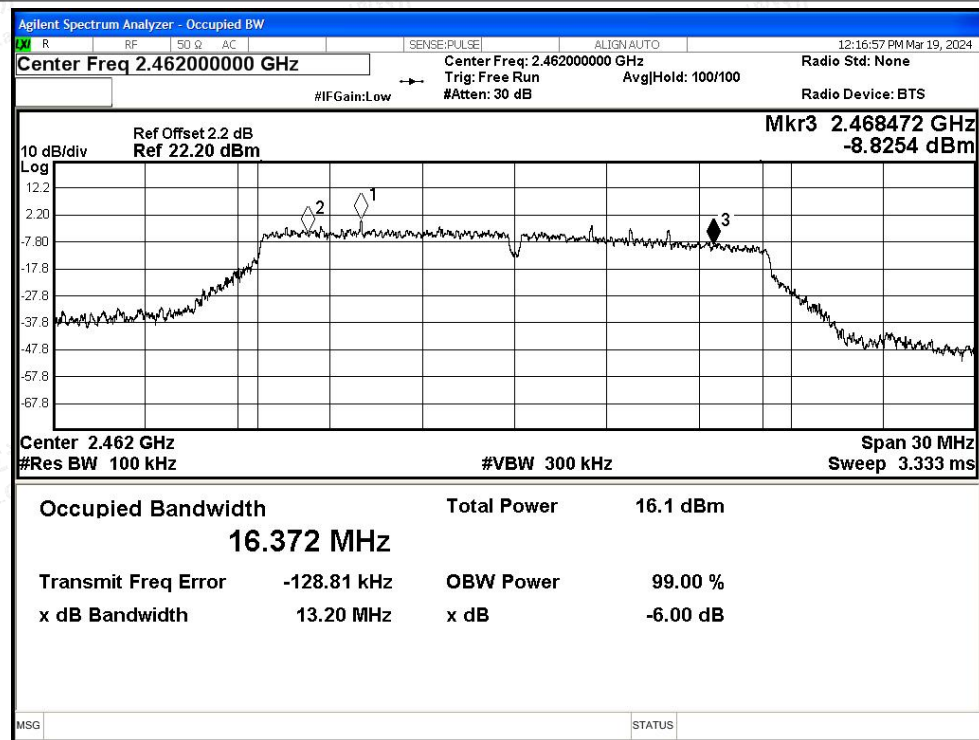
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-6dB Bandwidth NVNT g 2437MHz Ant1



-6dB Bandwidth NVNT g 2462MHz Ant1



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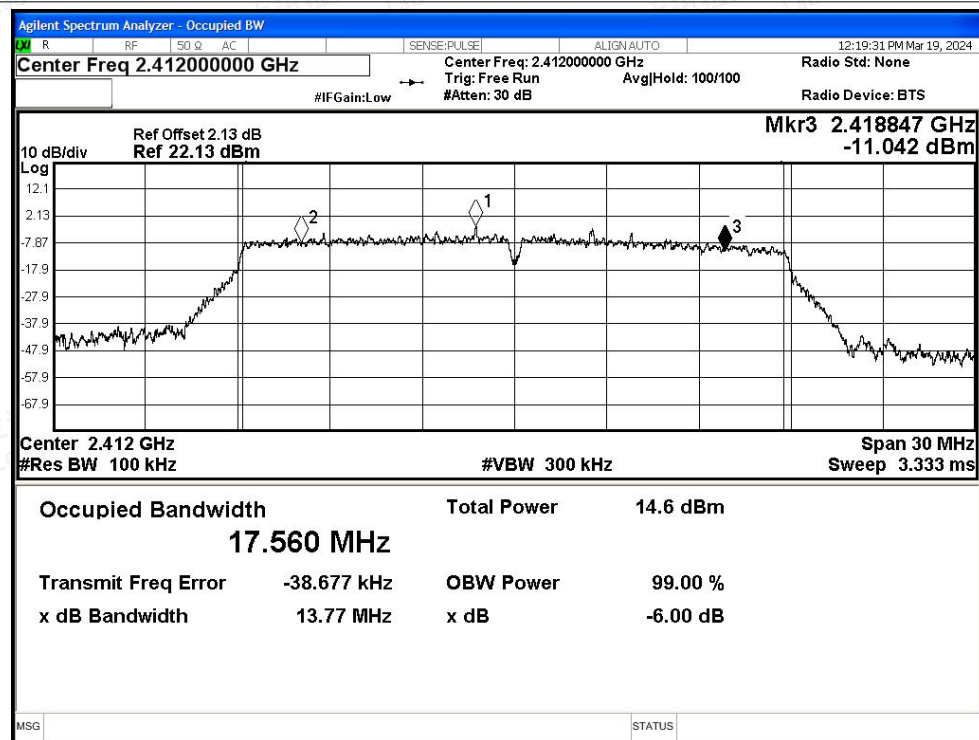
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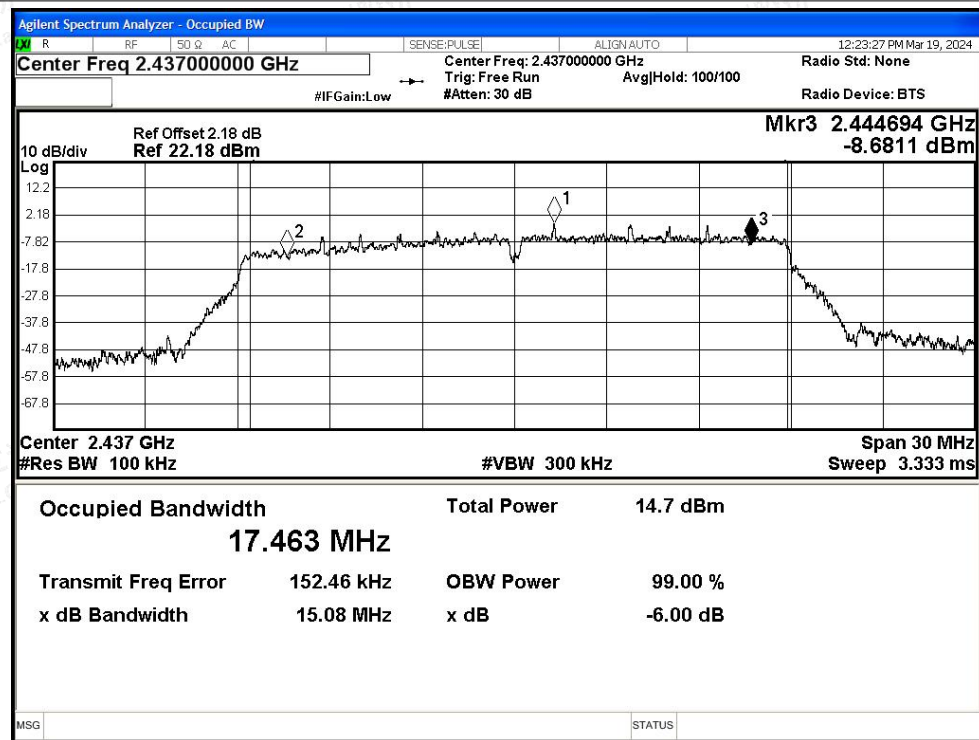
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-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1

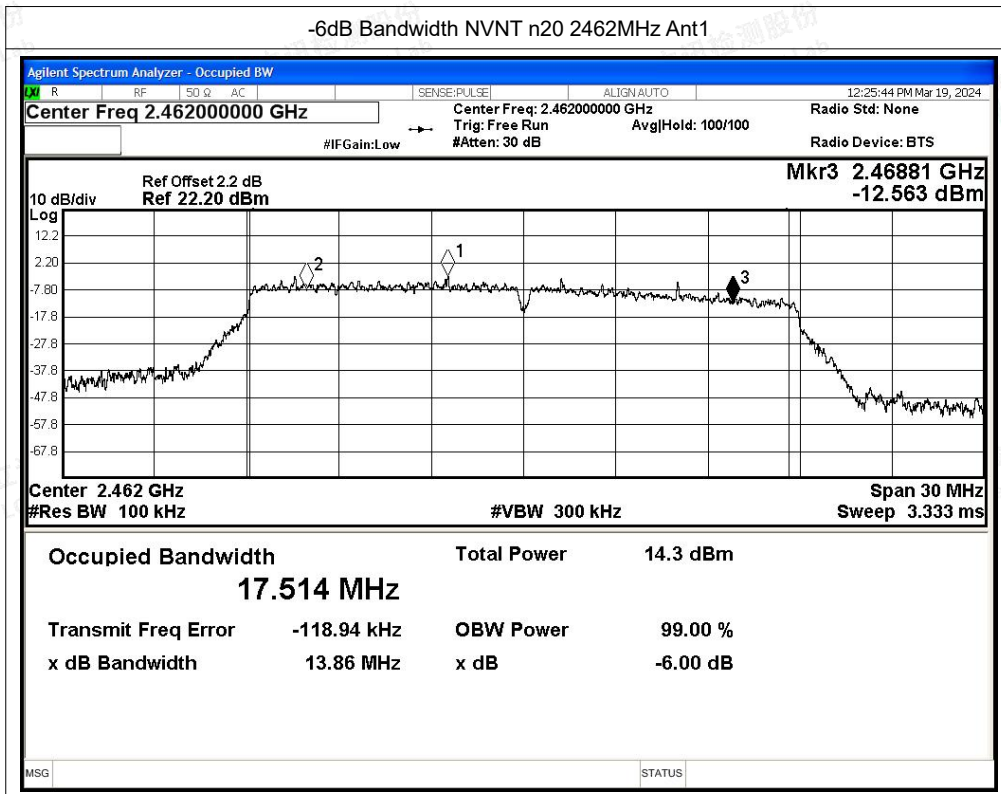


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C.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	15.68	30	Pass
NVNT	b	2437	Ant1	15.7	30	Pass
NVNT	b	2462	Ant1	15.5	30	Pass
NVNT	g	2412	Ant1	14.15	30	Pass
NVNT	g	2437	Ant1	14.55	30	Pass
NVNT	g	2462	Ant1	14.8	30	Pass
NVNT	n20	2412	Ant1	13.58	30	Pass
NVNT	n20	2437	Ant1	13.62	30	Pass
NVNT	n20	2462	Ant1	13.35	30	Pass



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C.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-11.38	8	Pass
NVNT	b	2437	Ant1	-8.9	8	Pass
NVNT	b	2462	Ant1	-10.59	8	Pass
NVNT	g	2412	Ant1	-16.94	8	Pass
NVNT	g	2437	Ant1	-15.62	8	Pass
NVNT	g	2462	Ant1	-15.09	8	Pass
NVNT	n20	2412	Ant1	-17.55	8	Pass
NVNT	n20	2437	Ant1	-16.65	8	Pass
NVNT	n20	2462	Ant1	-17.68	8	Pass



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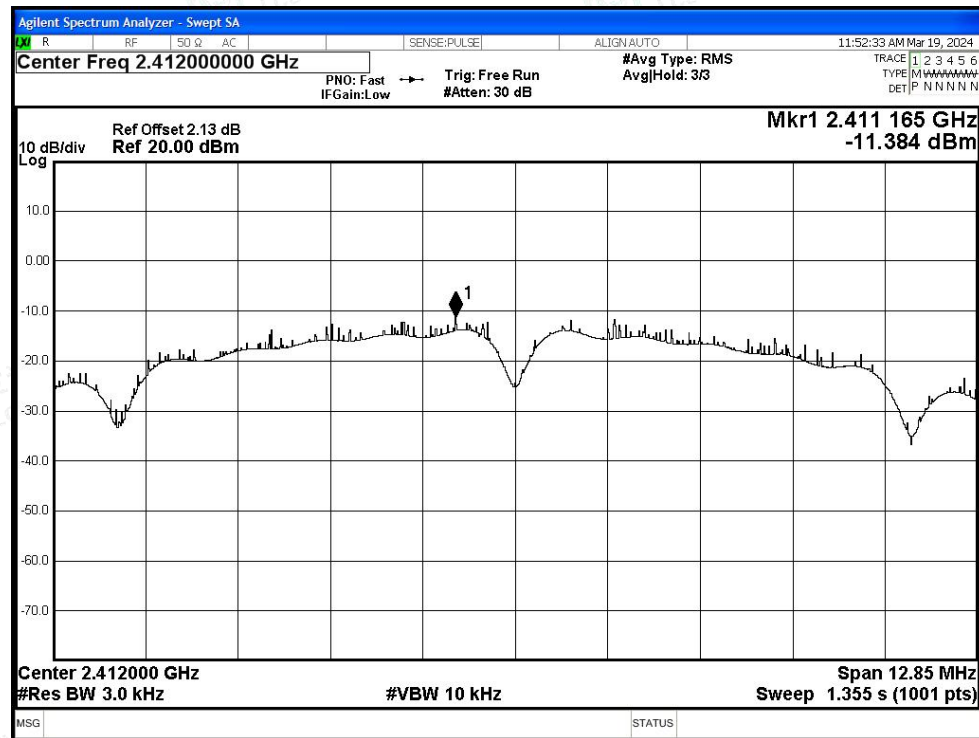
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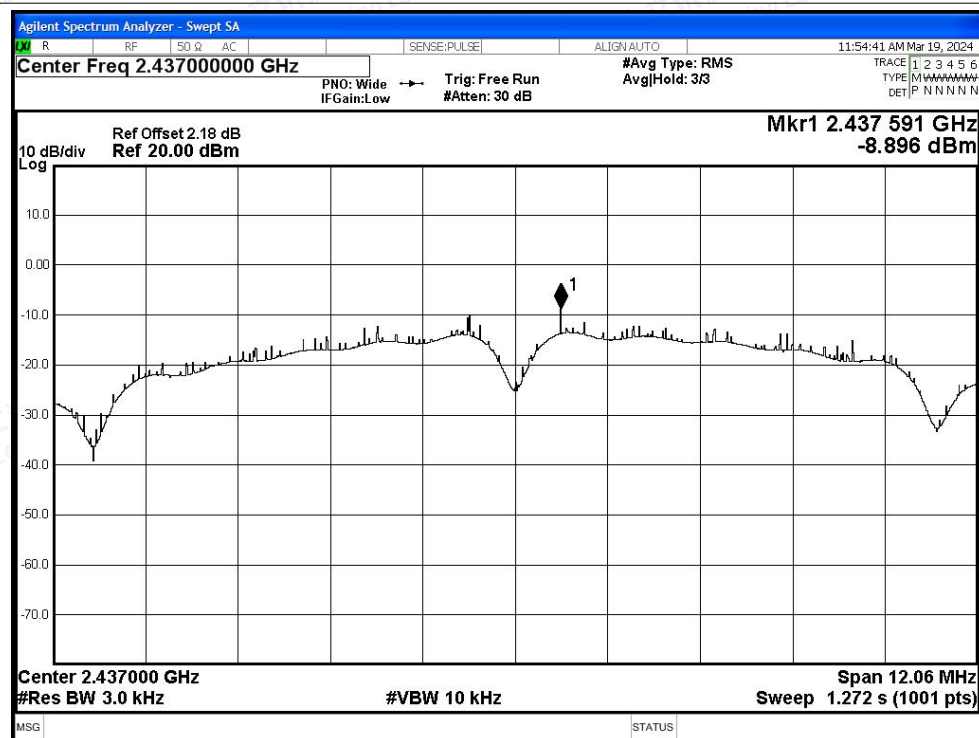


Test Graphs

PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1

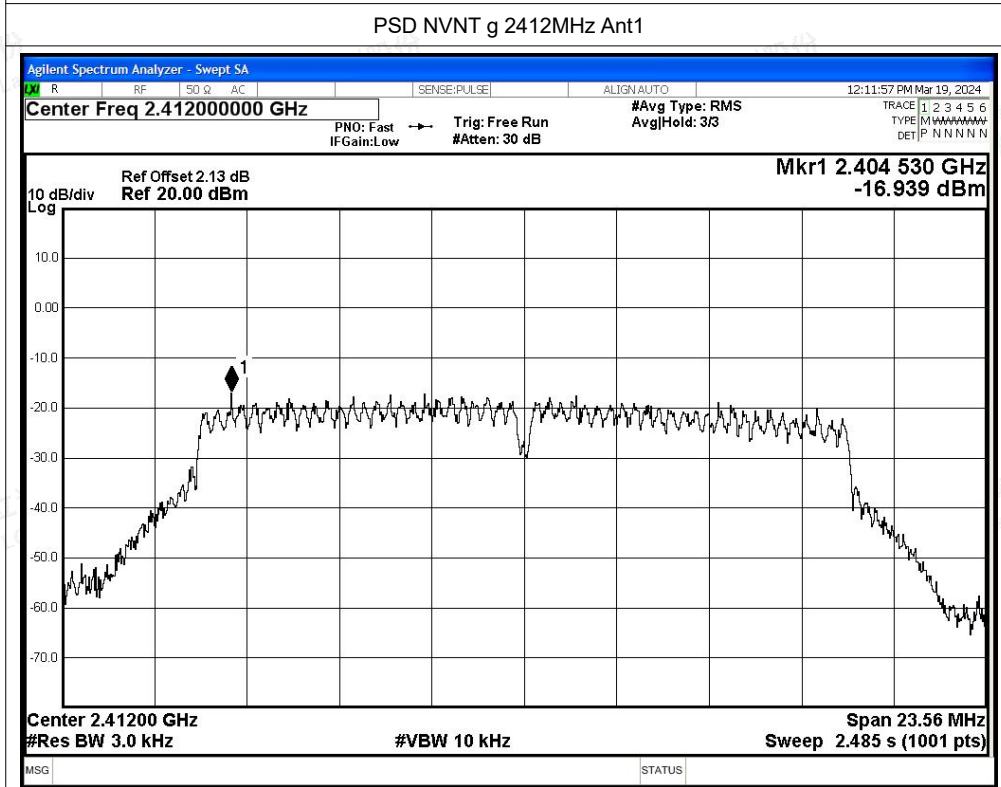
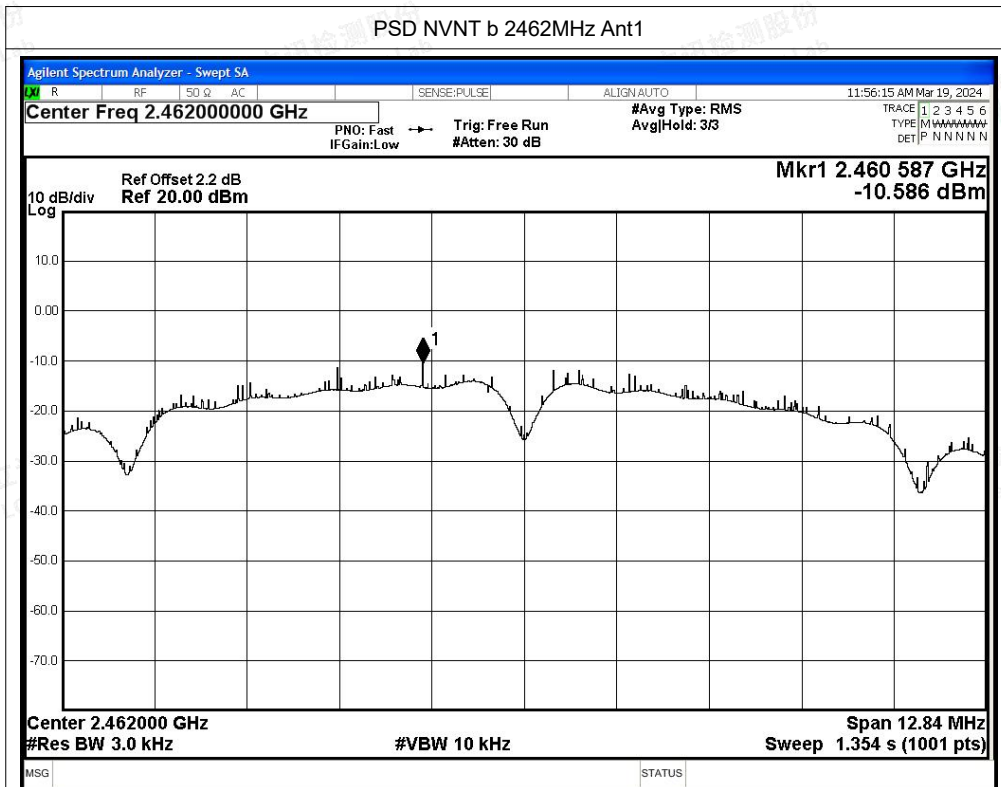


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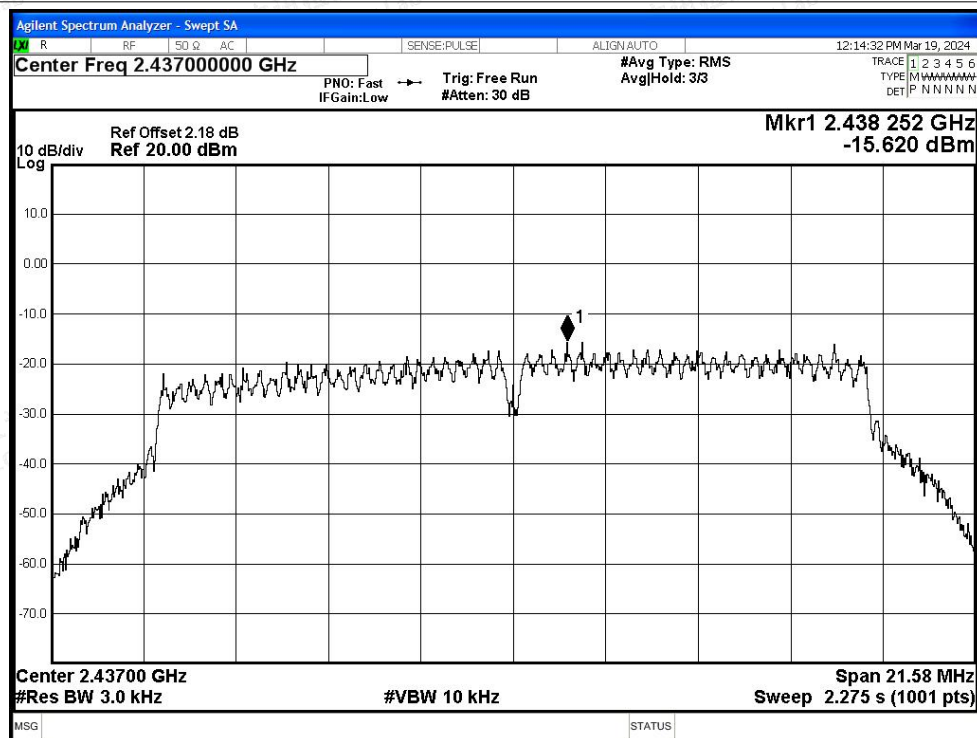
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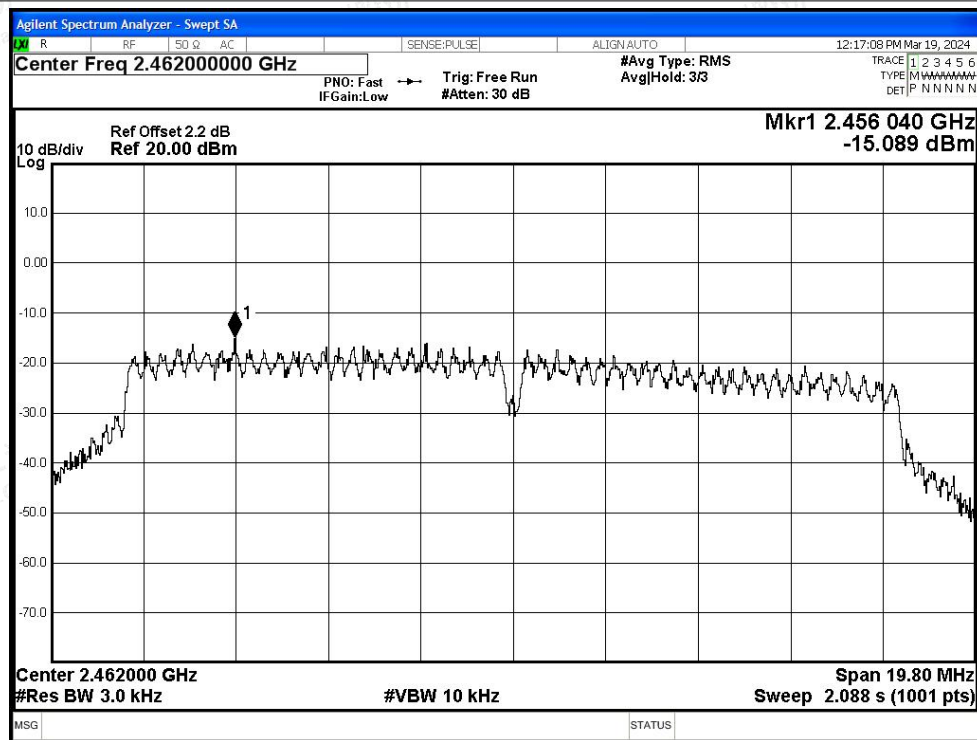
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PSD NVNT g 2437MHz Ant1



PSD NVNT g 2462MHz Ant1

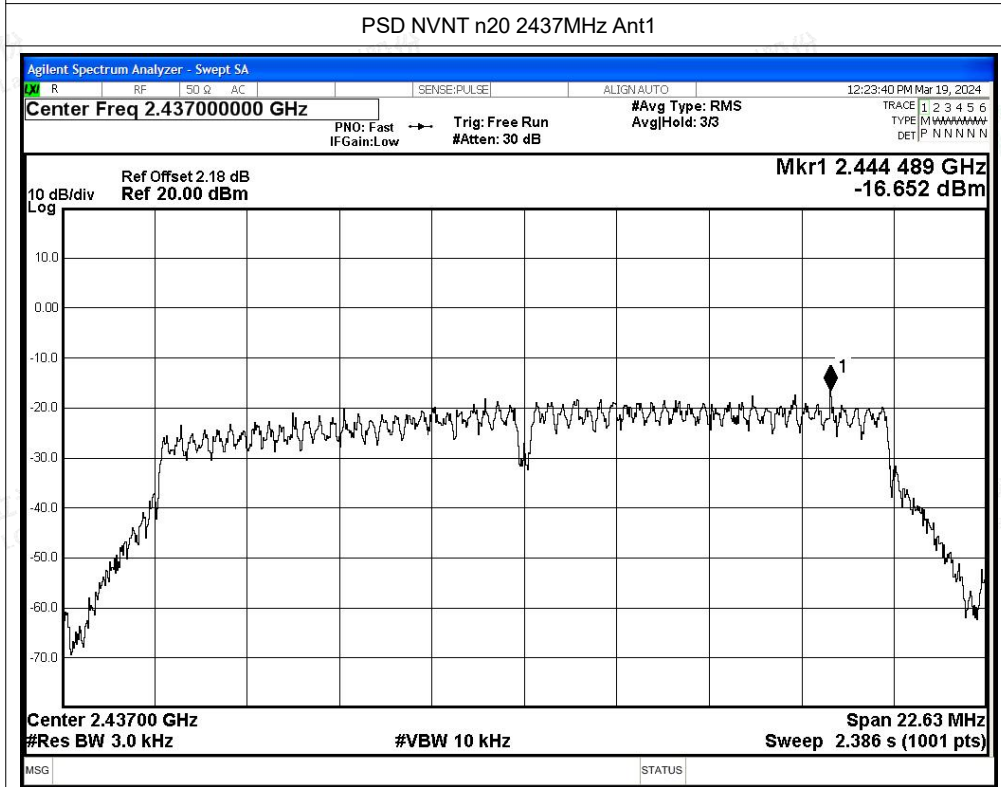
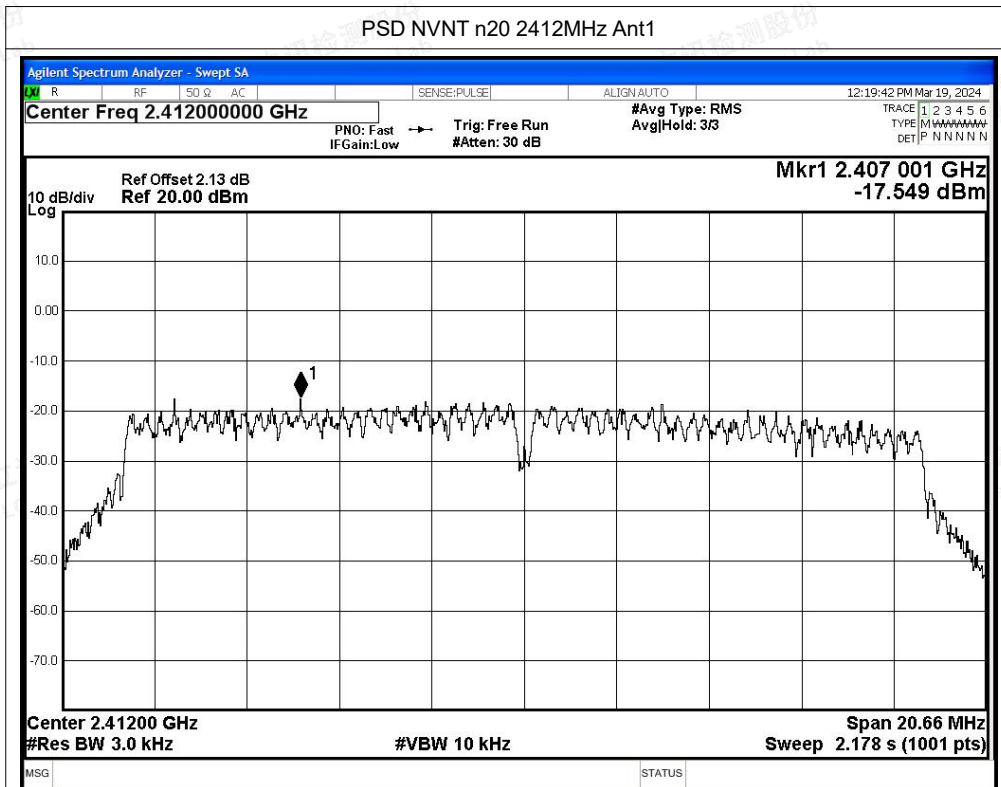


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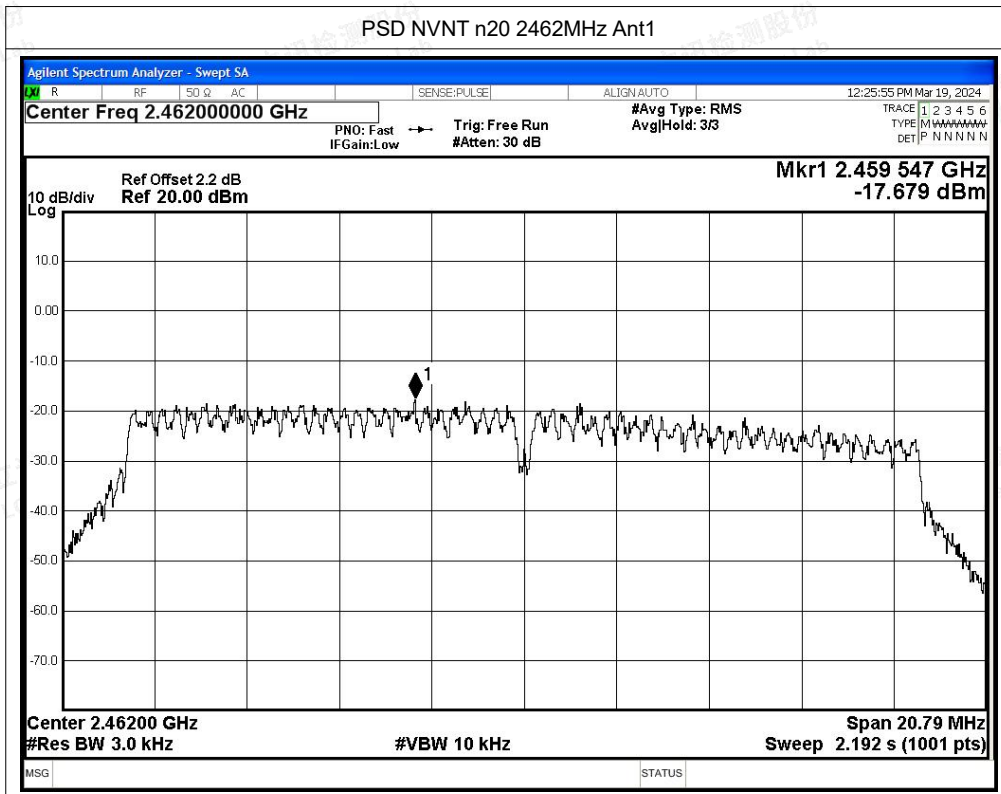


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C.4 Band Edge

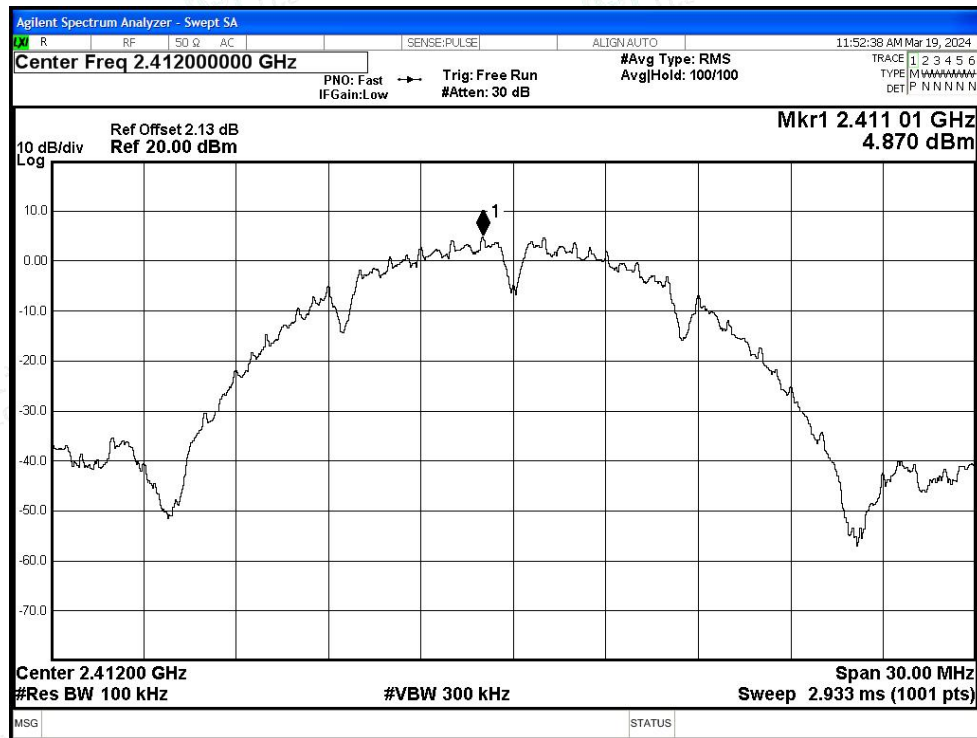
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-40.04	-20	Pass
NVNT	b	2462	Ant1	-54.81	-20	Pass
NVNT	g	2412	Ant1	-33.38	-20	Pass
NVNT	g	2462	Ant1	-49.85	-20	Pass
NVNT	n20	2412	Ant1	-36.96	-20	Pass
NVNT	n20	2462	Ant1	-49.97	-20	Pass



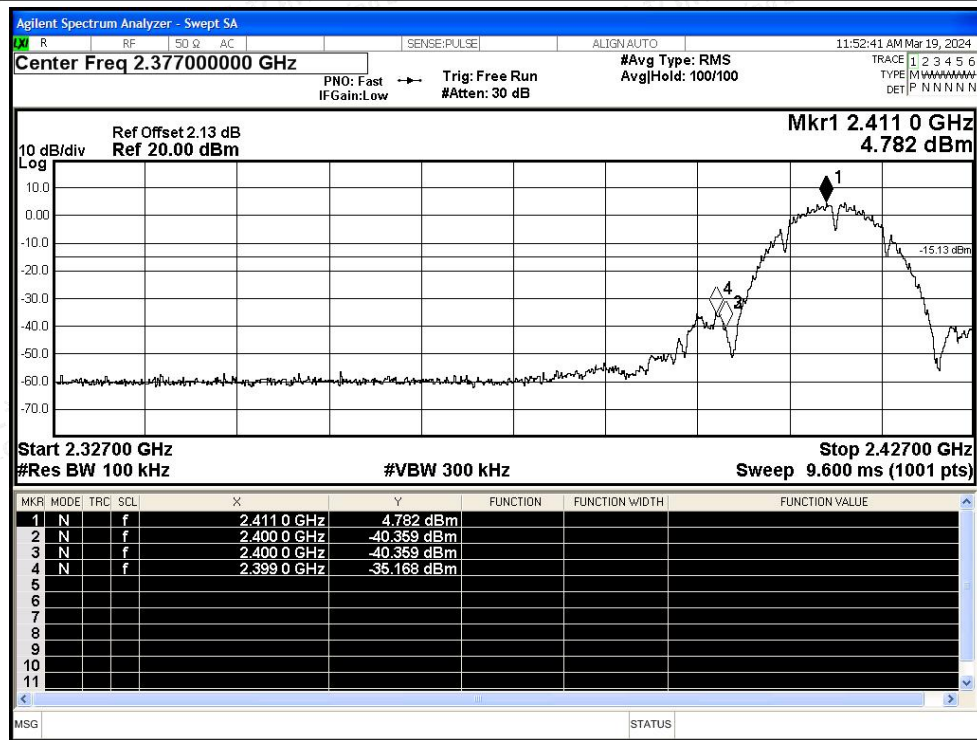


Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



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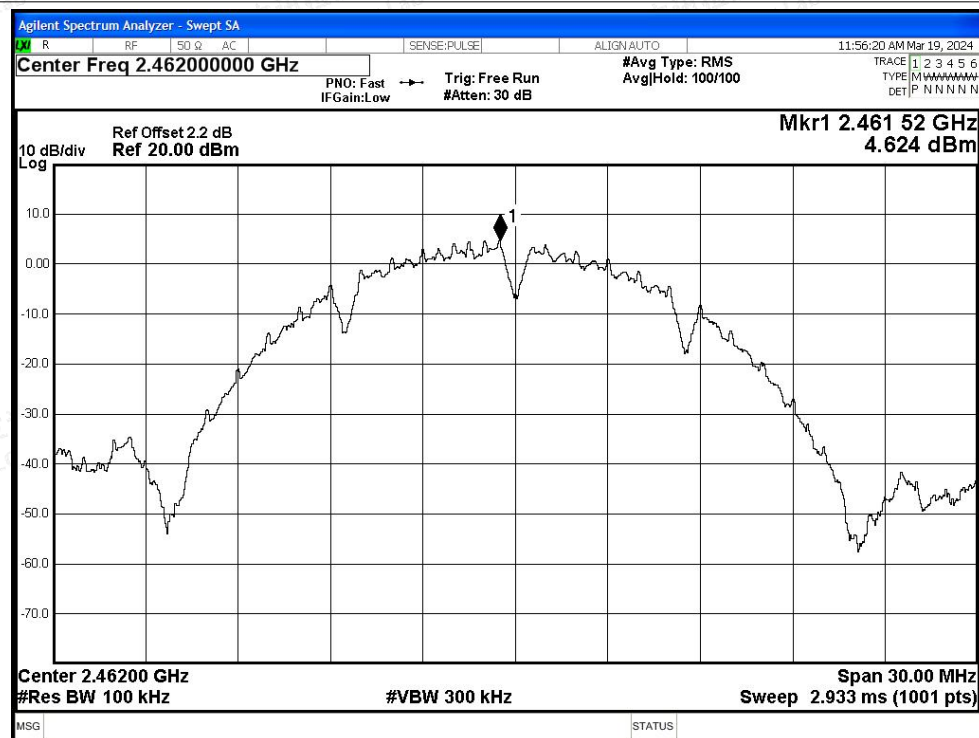
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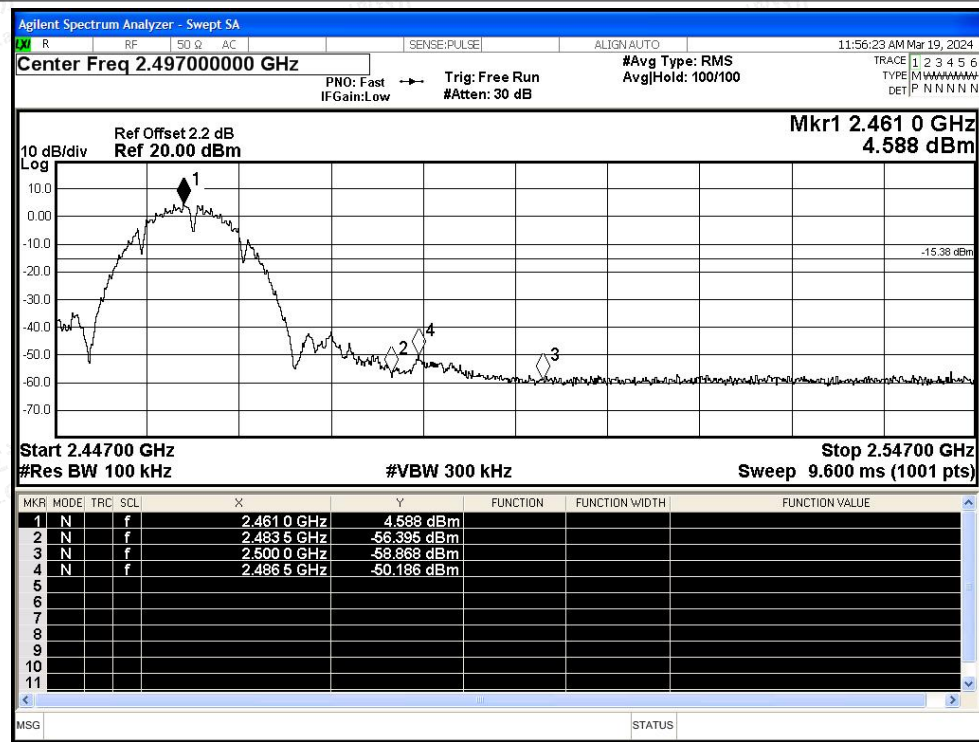
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Band Edge NVNT b 2462MHz Ant1 Ref



Band Edge NVNT b 2462MHz Ant1 Emission



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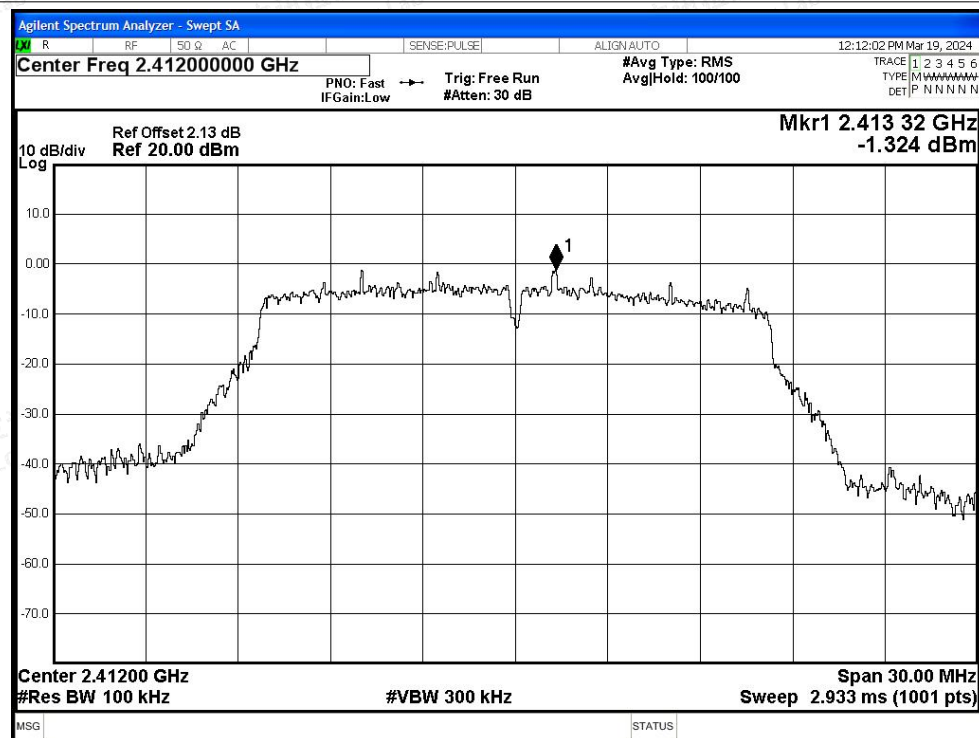
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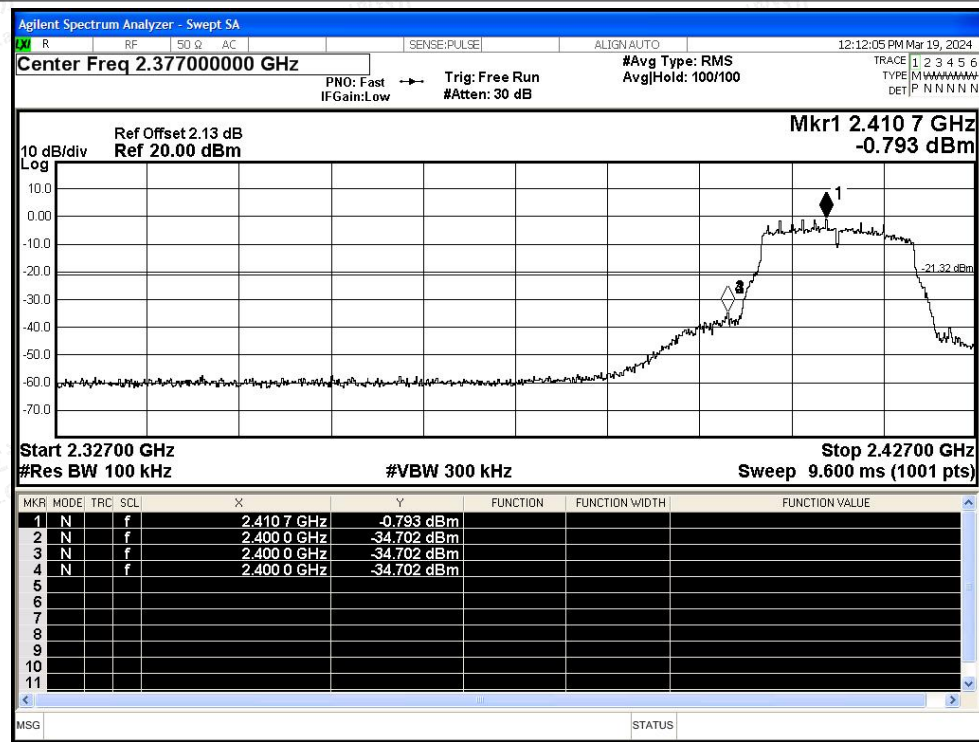
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Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission



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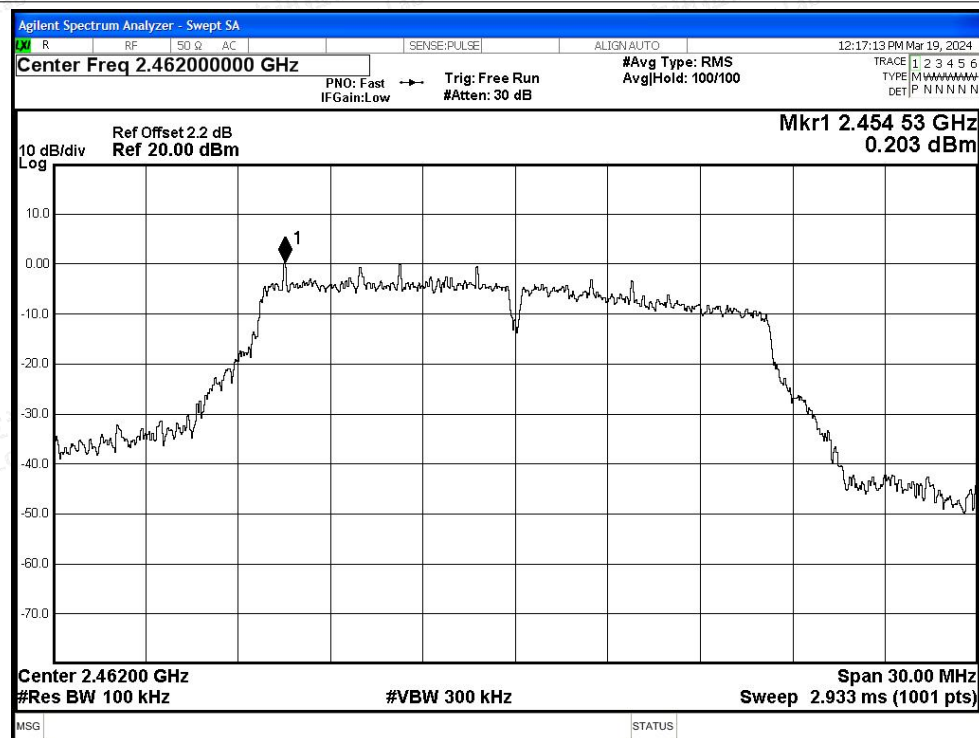
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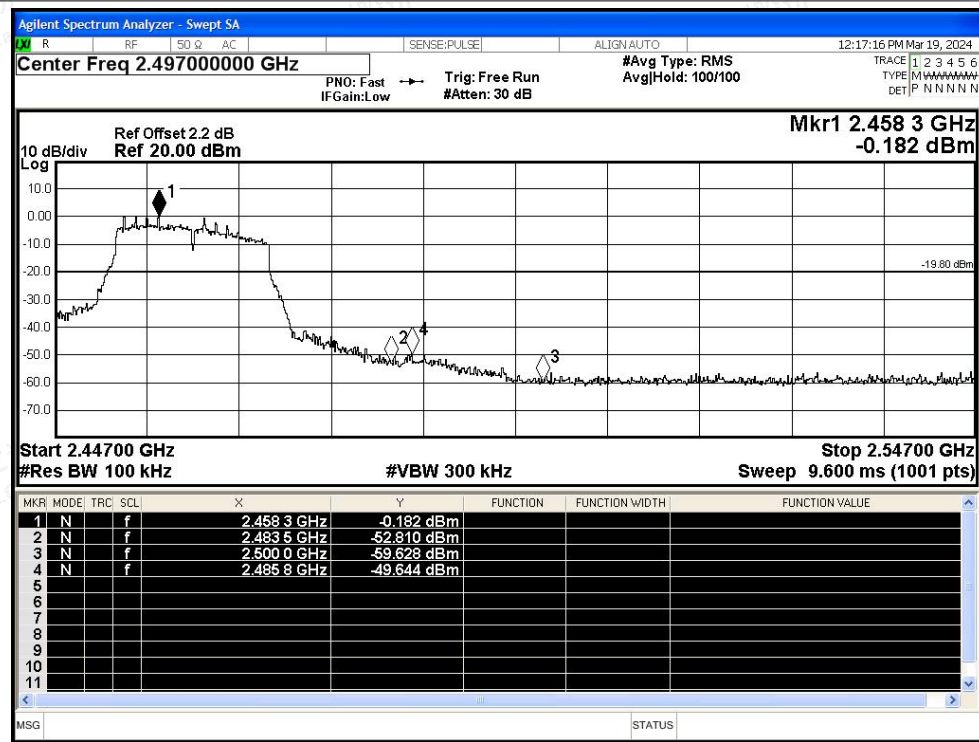
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Band Edge NVNT g 2462MHz Ant1 Ref



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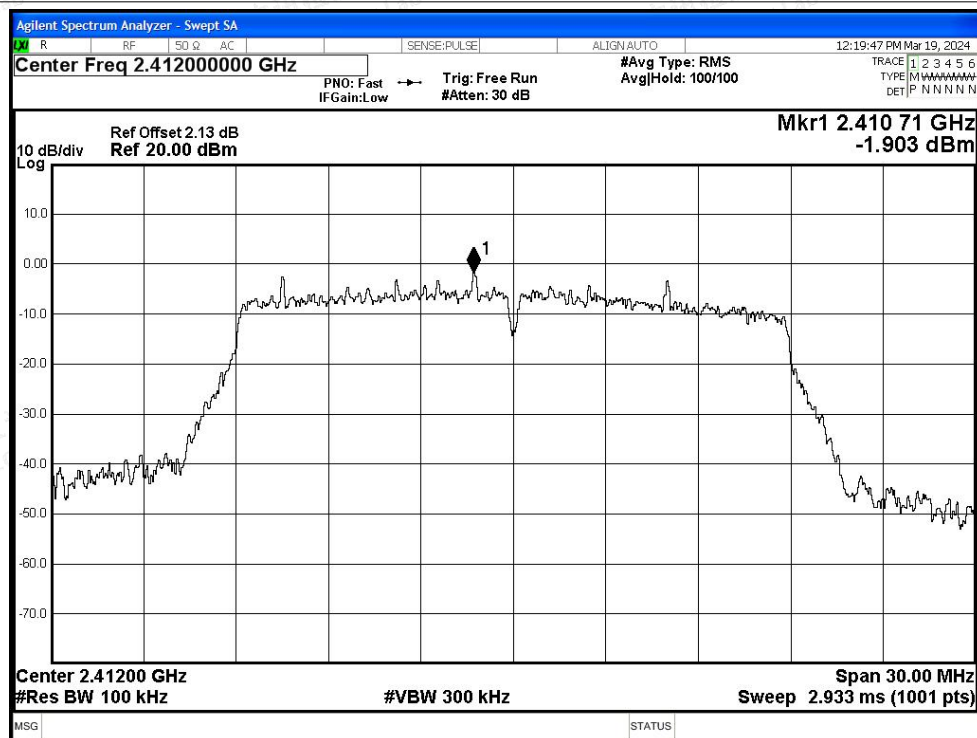
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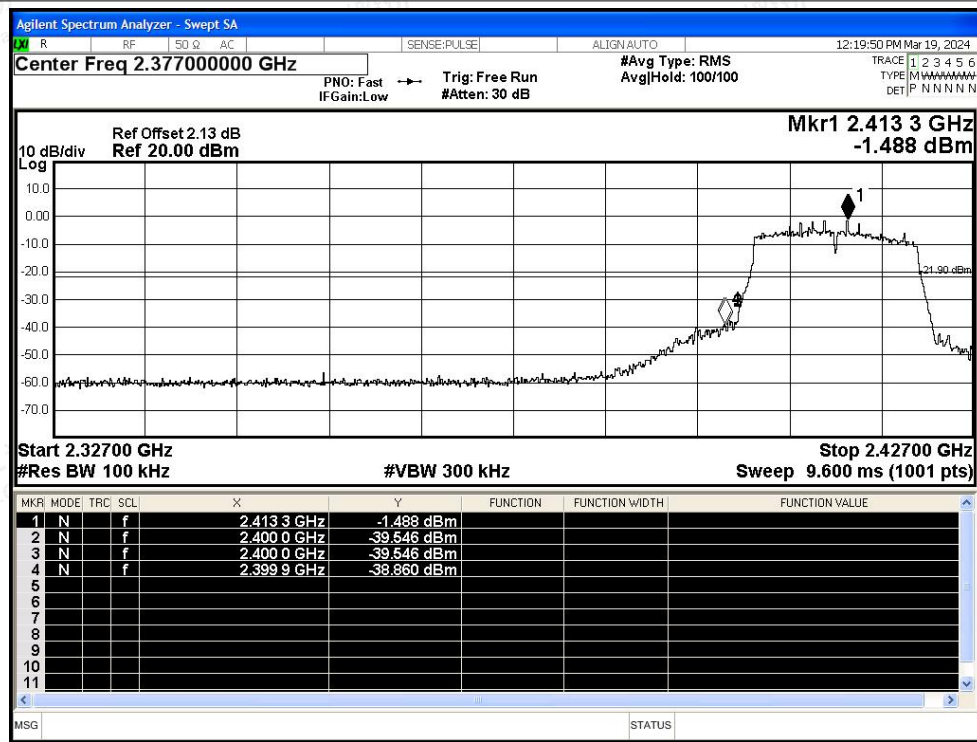
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Band Edge NVNT n20 2412MHz Ant1 Ref



Band Edge NVNT n20 2412MHz Ant1 Emission



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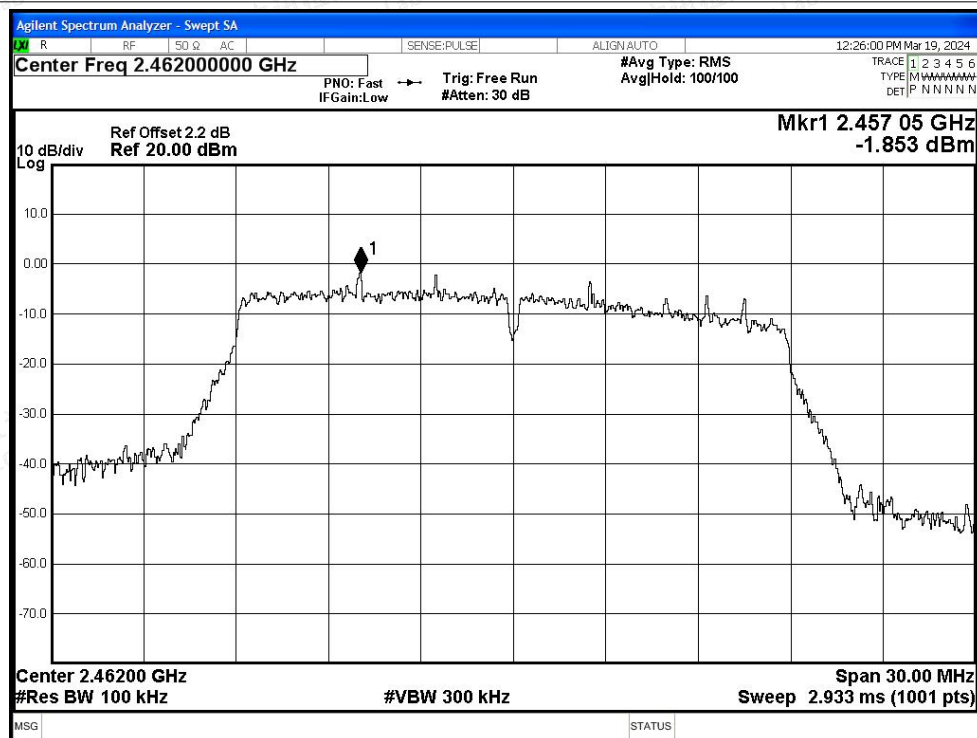
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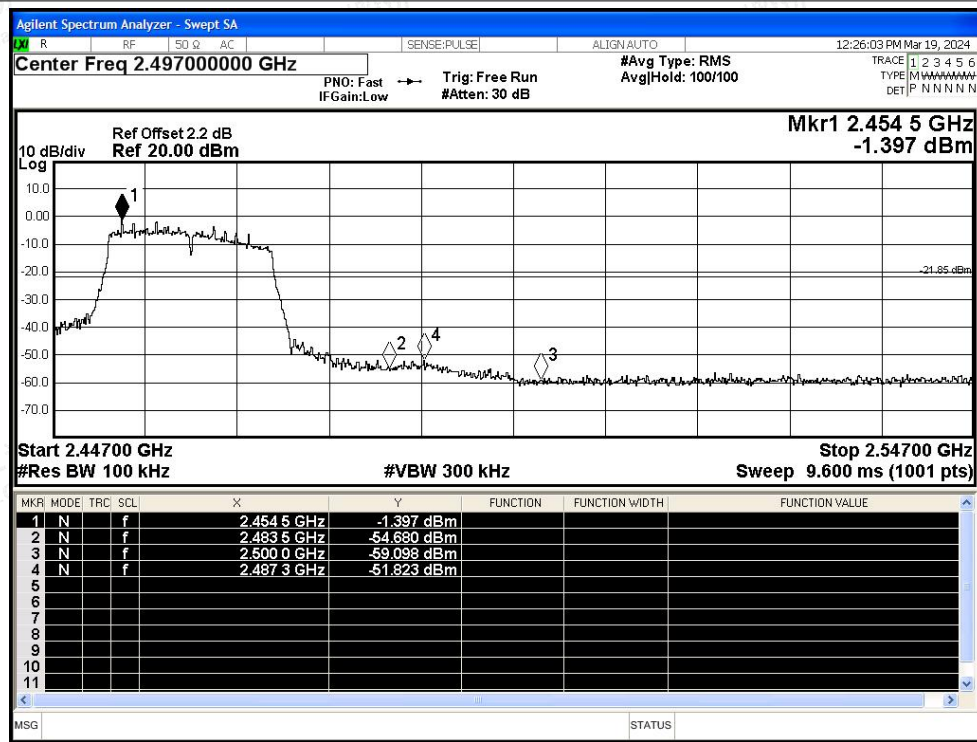
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Band Edge NVNT n20 2462MHz Ant1 Ref



Band Edge NVNT n20 2462MHz Ant1 Emission



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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	-47.54	-20	Pass
NVNT	b	2437	Ant1	-50.4	-20	Pass
NVNT	b	2462	Ant1	-49.97	-20	Pass
NVNT	g	2412	Ant1	-46.18	-20	Pass
NVNT	g	2437	Ant1	-44.9	-20	Pass
NVNT	g	2462	Ant1	-46.22	-20	Pass
NVNT	n20	2412	Ant1	-43.87	-20	Pass
NVNT	n20	2437	Ant1	-45.24	-20	Pass
NVNT	n20	2462	Ant1	-44.05	-20	Pass



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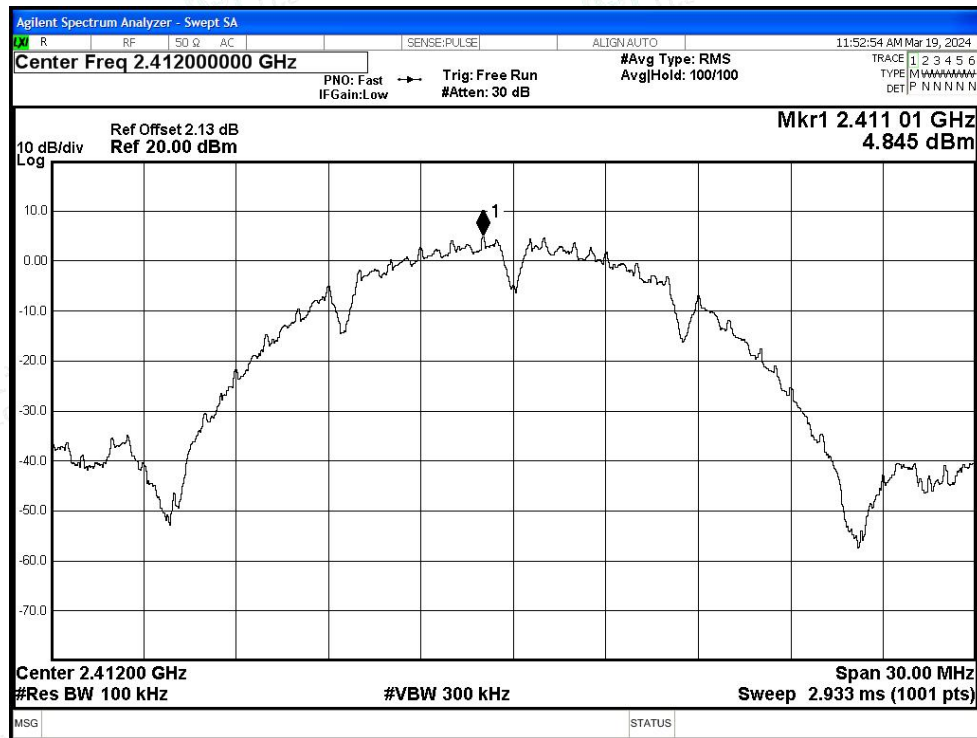
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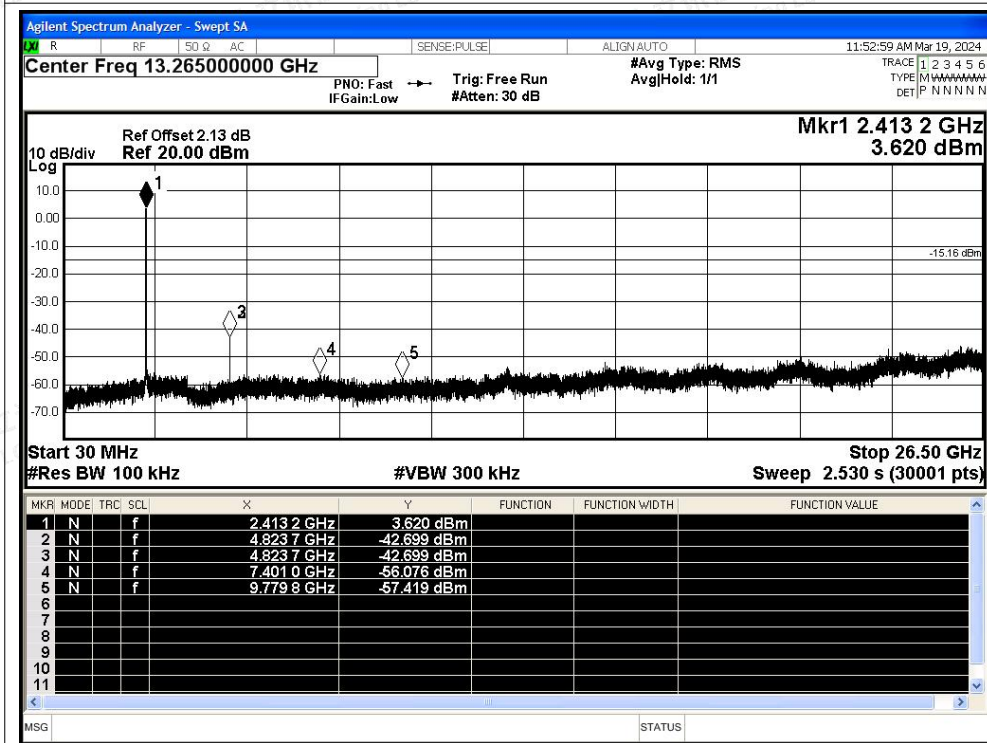


Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission



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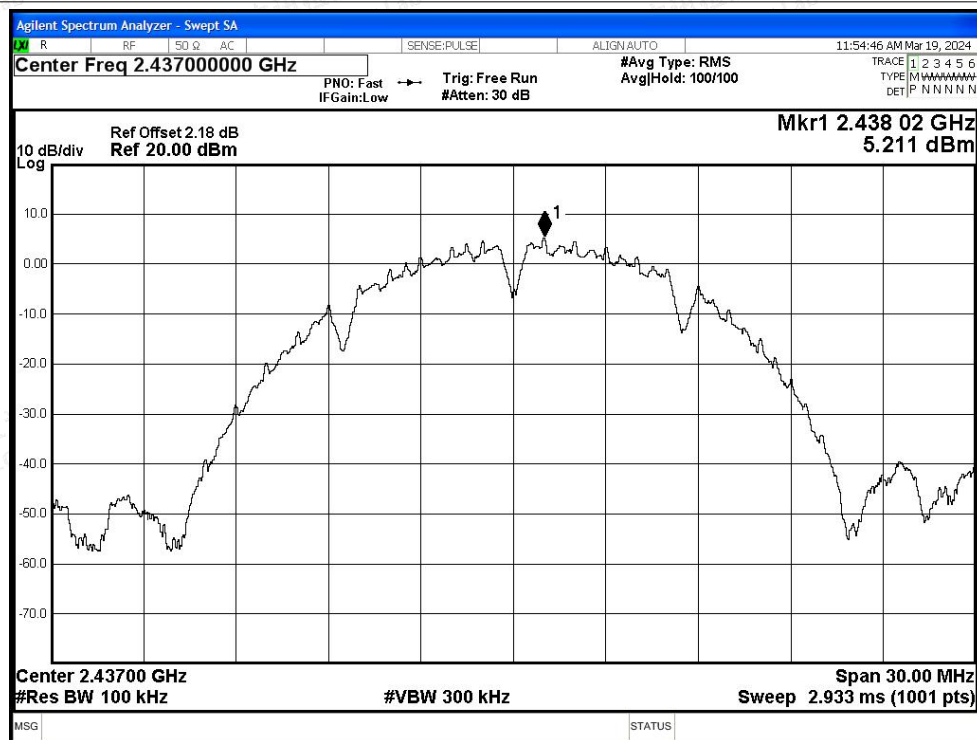
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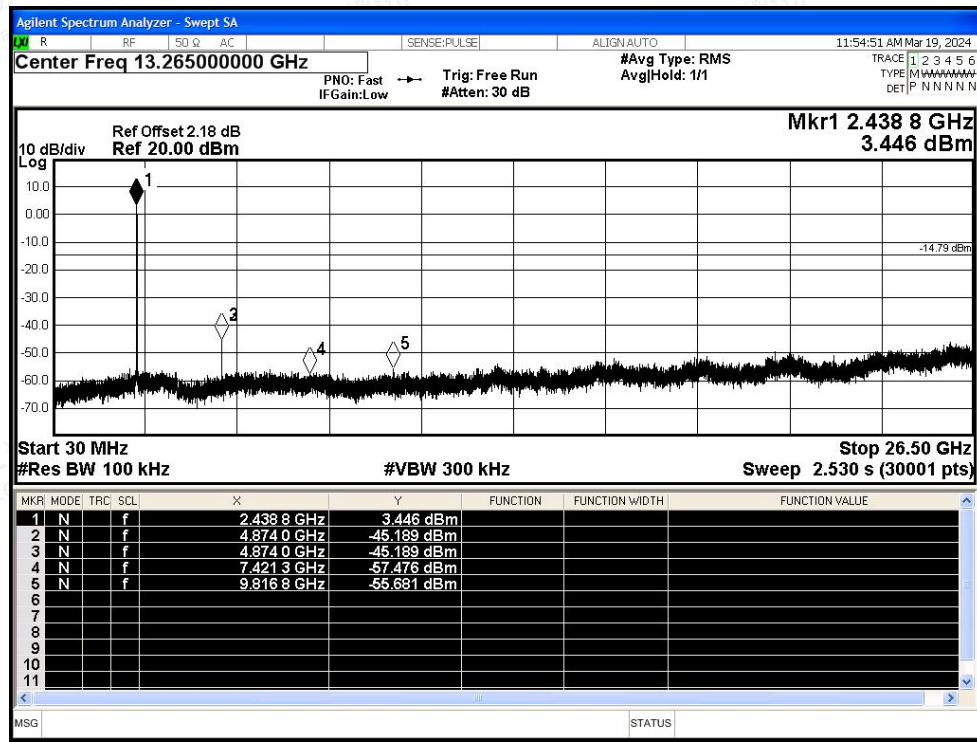
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Tx. Spurious NVNT b 2437MHz Ant1 Ref



Tx. Spurious NVNT b 2437MHz Ant1 Emission



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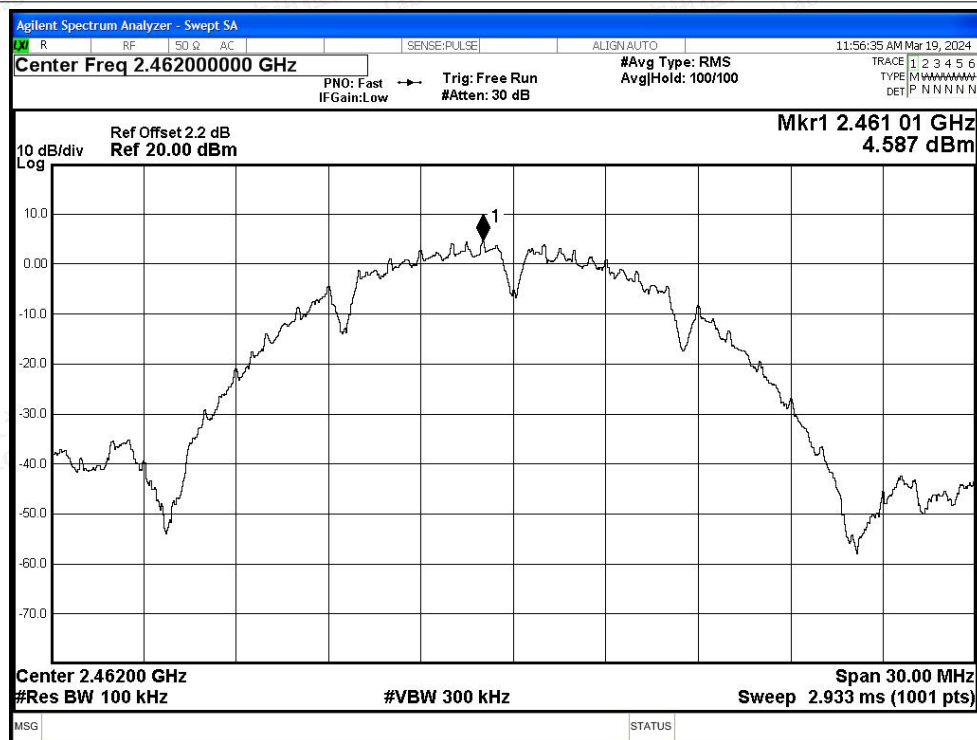
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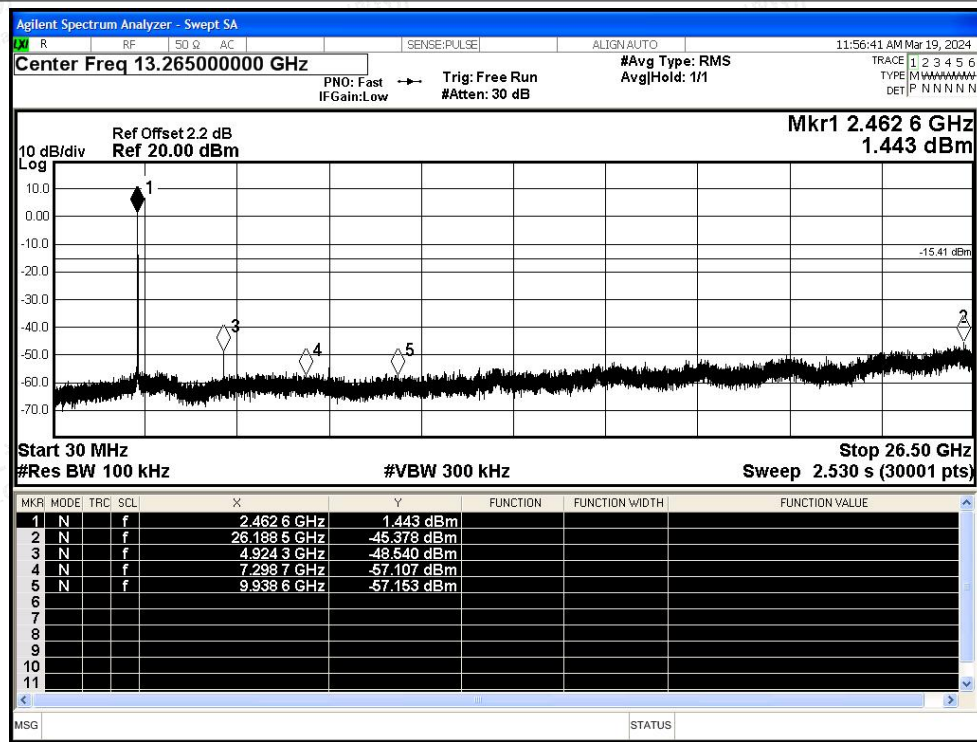
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Tx. Spurious NVNT b 2462MHz Ant1 Emission



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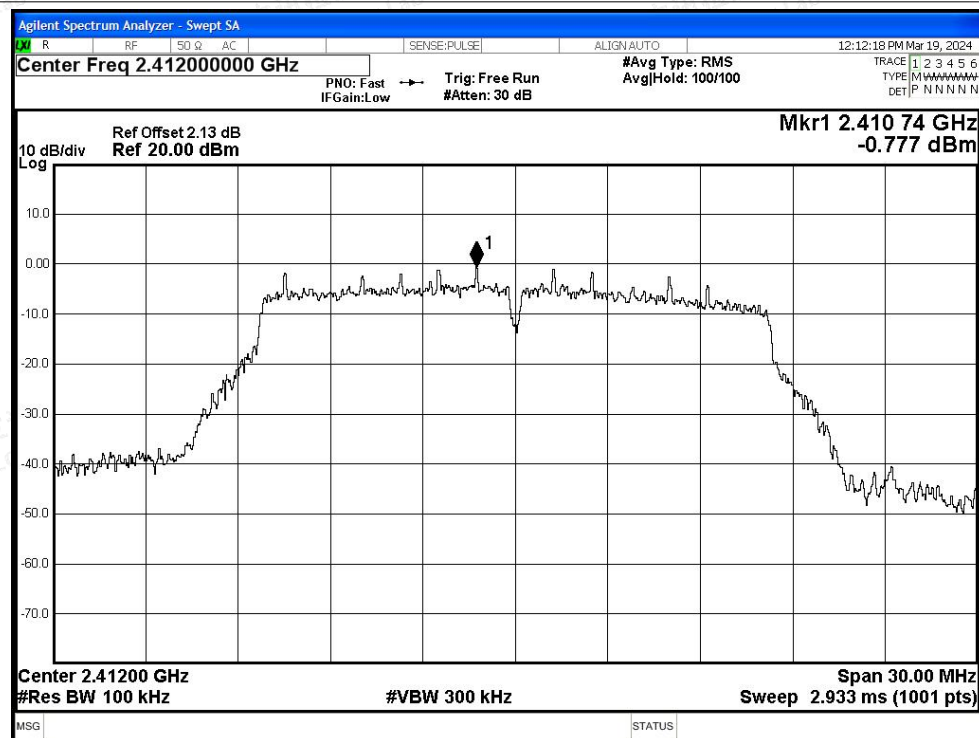
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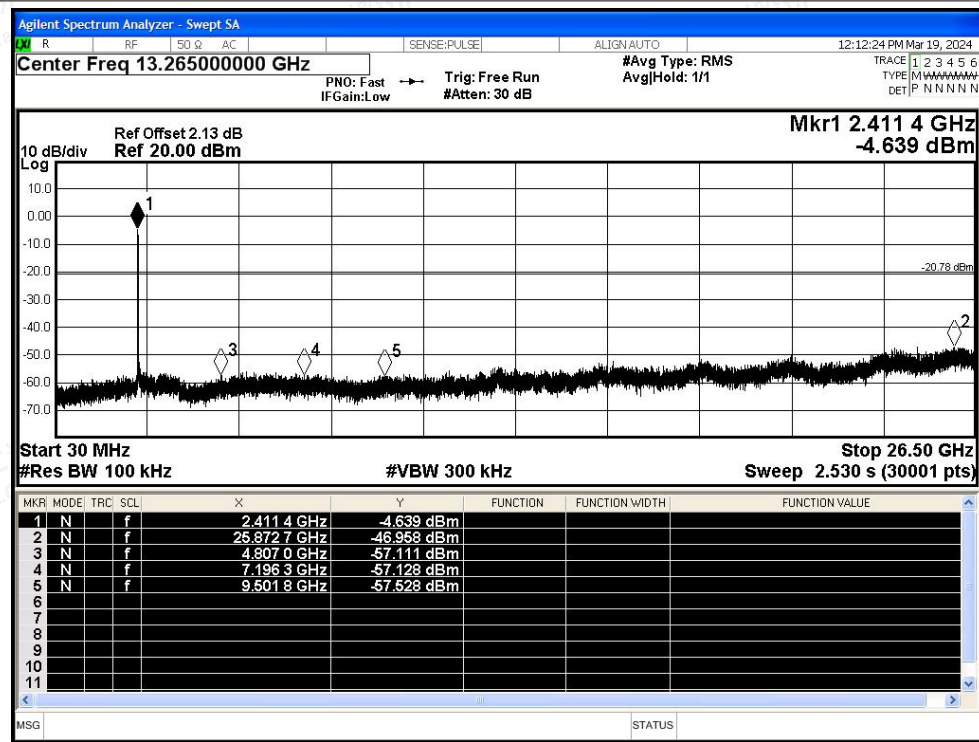
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Tx. Spurious NVNT g 2412MHz Ant1 Ref



Tx. Spurious NVNT g 2412MHz Ant1 Emission



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