



Appendix B

RF Test Data for BT LE (Conducted Measurement)

Product Name: Wireless Bone Conduction Headphone

Test Model: M100V

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan



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B.1 -6dB Bandwidth

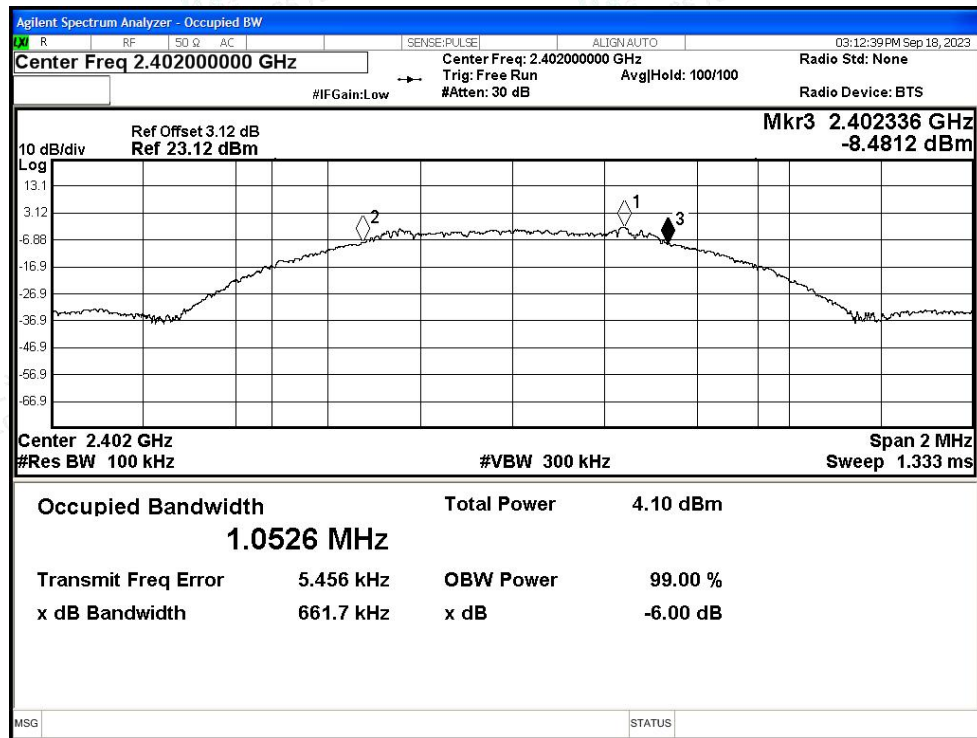
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.662	≥ 0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.657	≥ 0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.655	≥ 0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.225	≥ 0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.125	≥ 0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.223	≥ 0.5	Pass



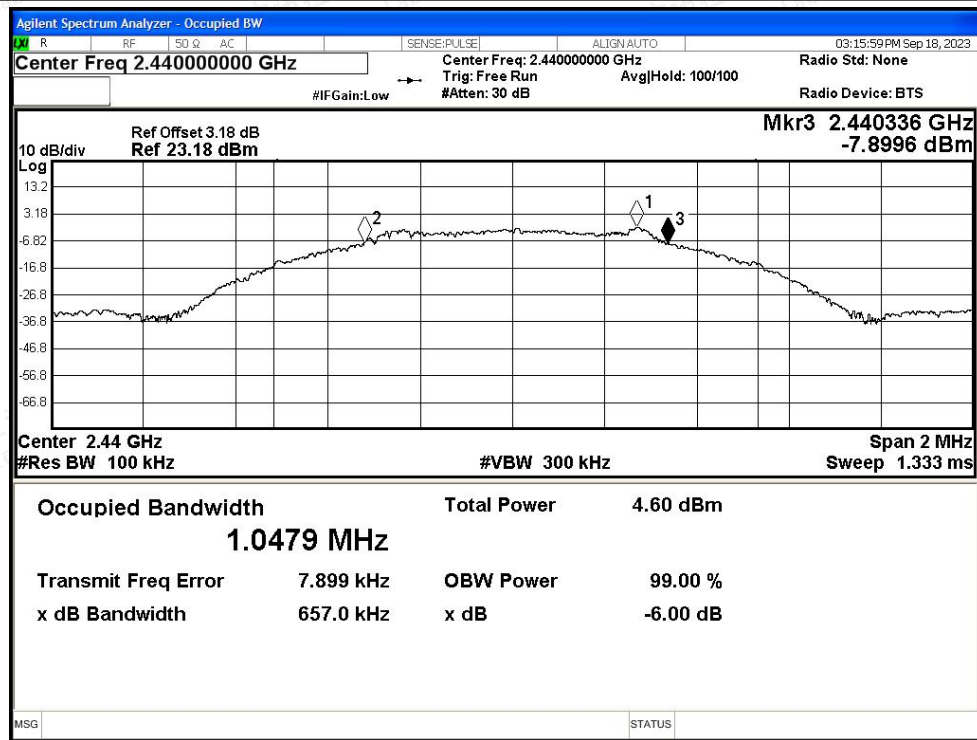


Test Graphs

-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1



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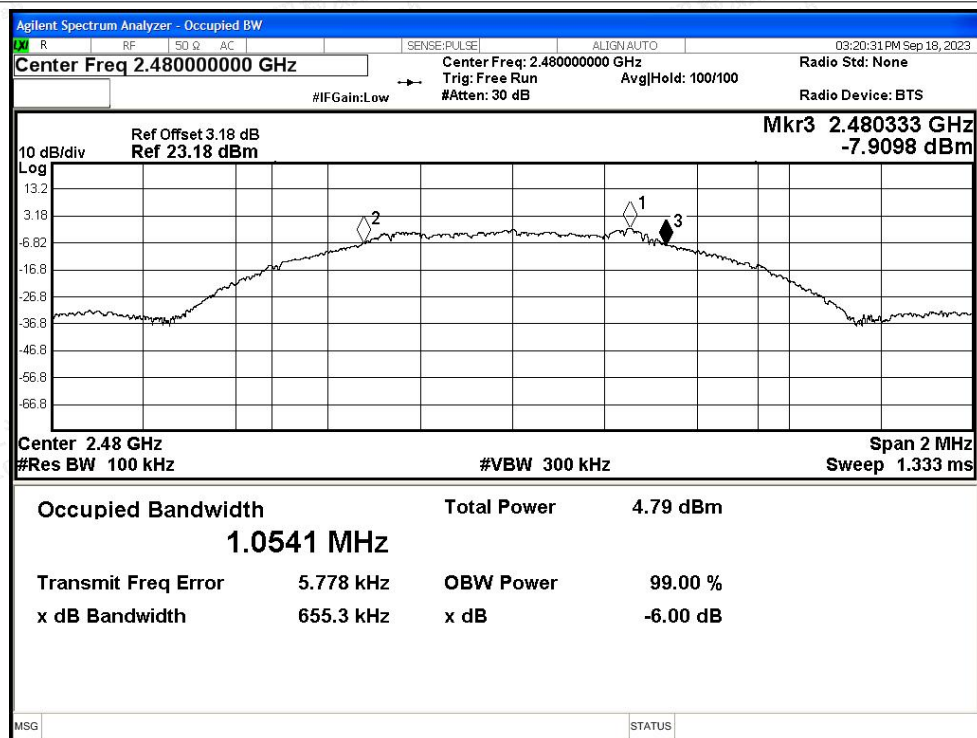
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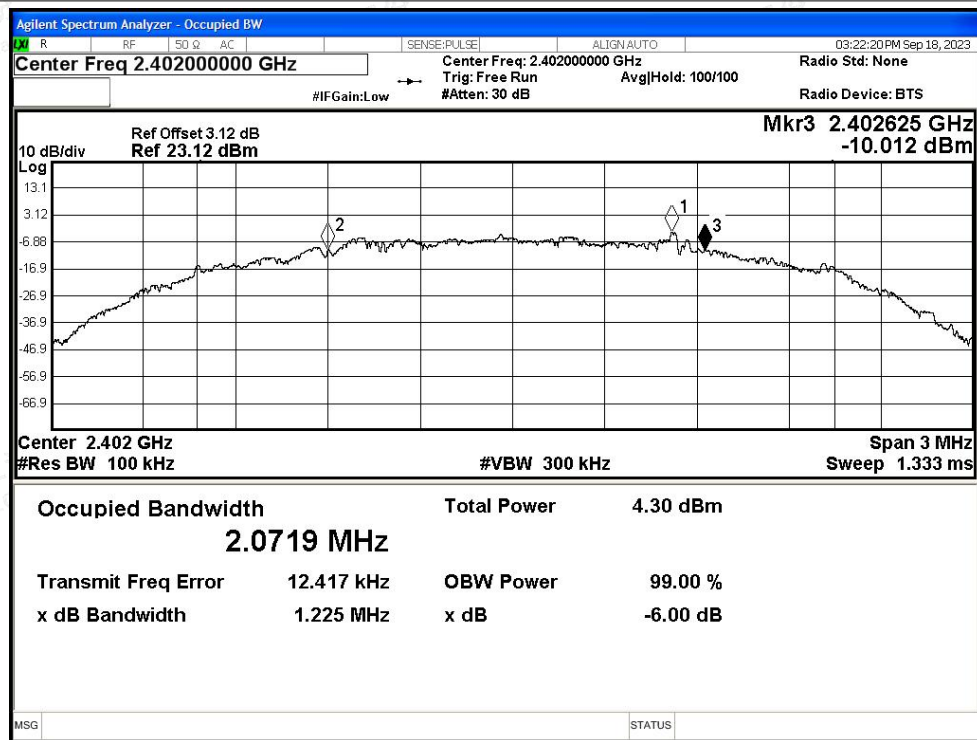
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-6dB Bandwidth NVNT BLE 1M 2480MHz Ant1



-6dB Bandwidth NVNT BLE 2M 2402MHz Ant1



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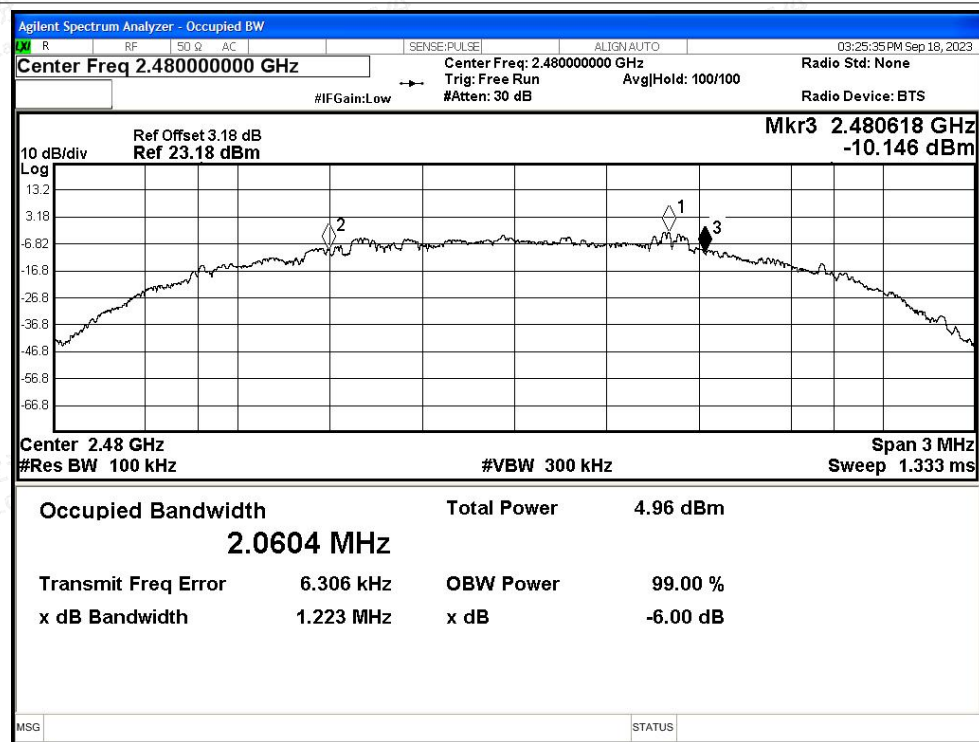
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-6dB Bandwidth NVNT BLE 2M 2440MHz Ant1



-6dB Bandwidth NVNT BLE 2M 2480MHz Ant1



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B.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-1.6	30	Pass
NVNT	BLE 1M	2440	Ant1	-1.21	30	Pass
NVNT	BLE 1M	2480	Ant1	-1.06	30	Pass
NVNT	BLE 2M	2402	Ant1	-1.71	30	Pass
NVNT	BLE 2M	2440	Ant1	-1.3	30	Pass
NVNT	BLE 2M	2480	Ant1	-1.14	30	Pass



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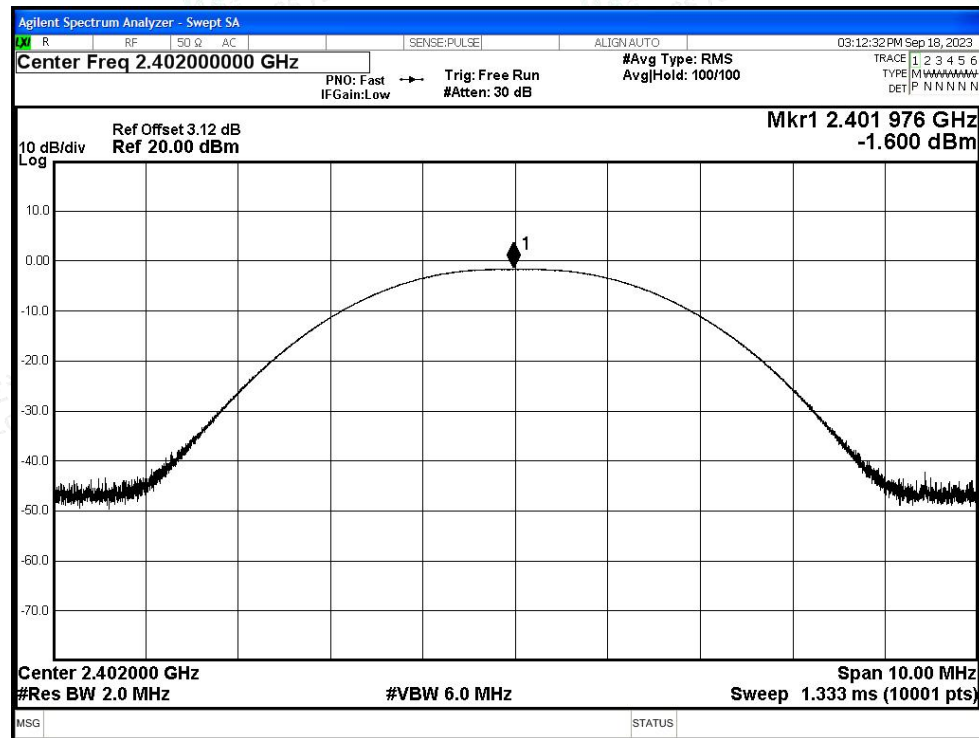
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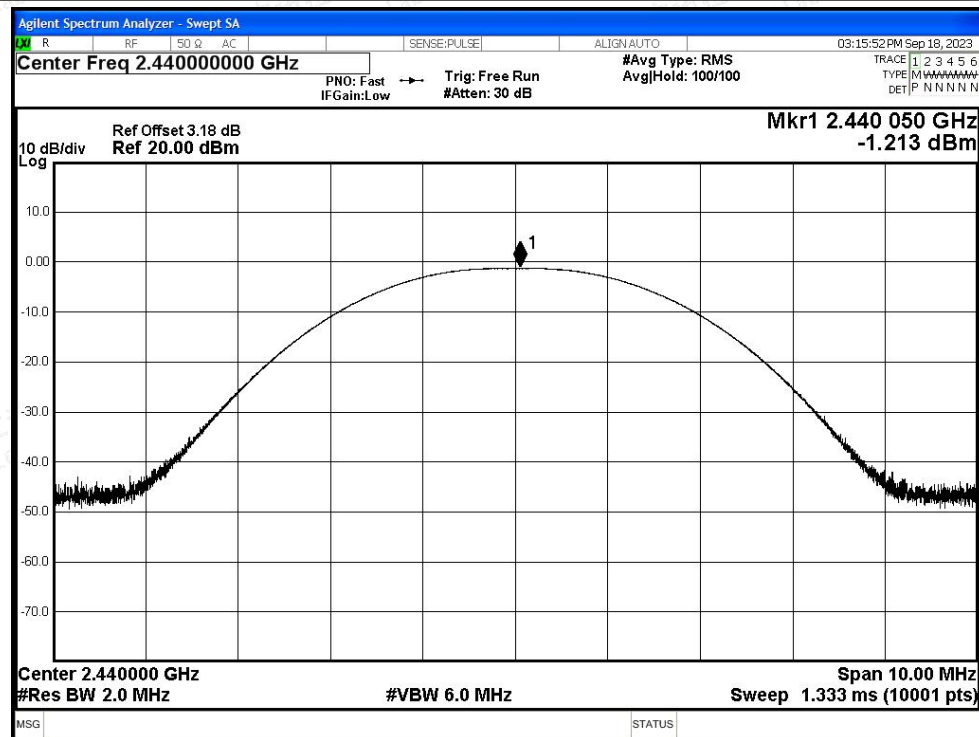


Test Graphs

Power NVNT BLE 1M 2402MHz Ant1



Power NVNT BLE 1M 2440MHz Ant1

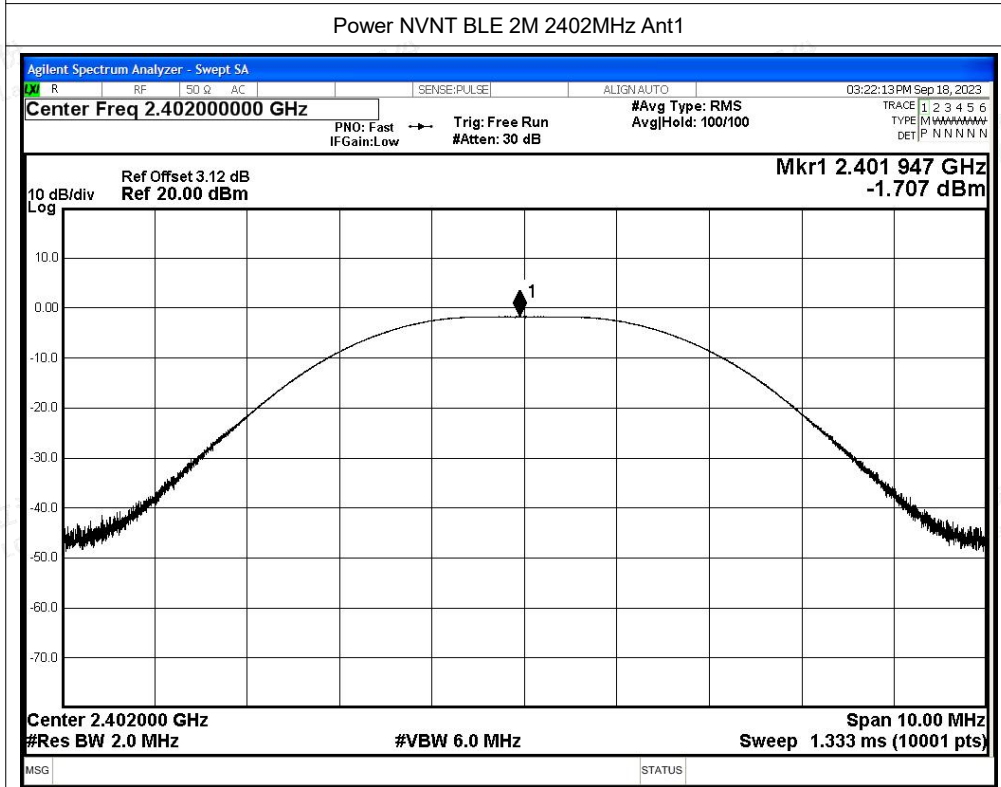
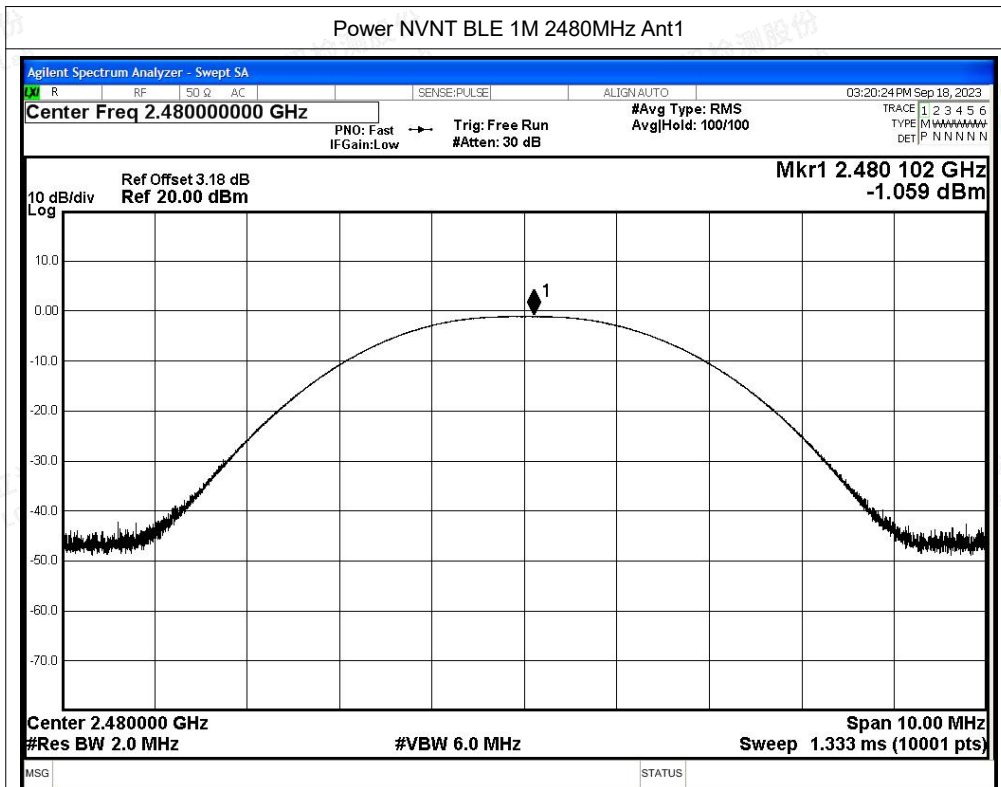


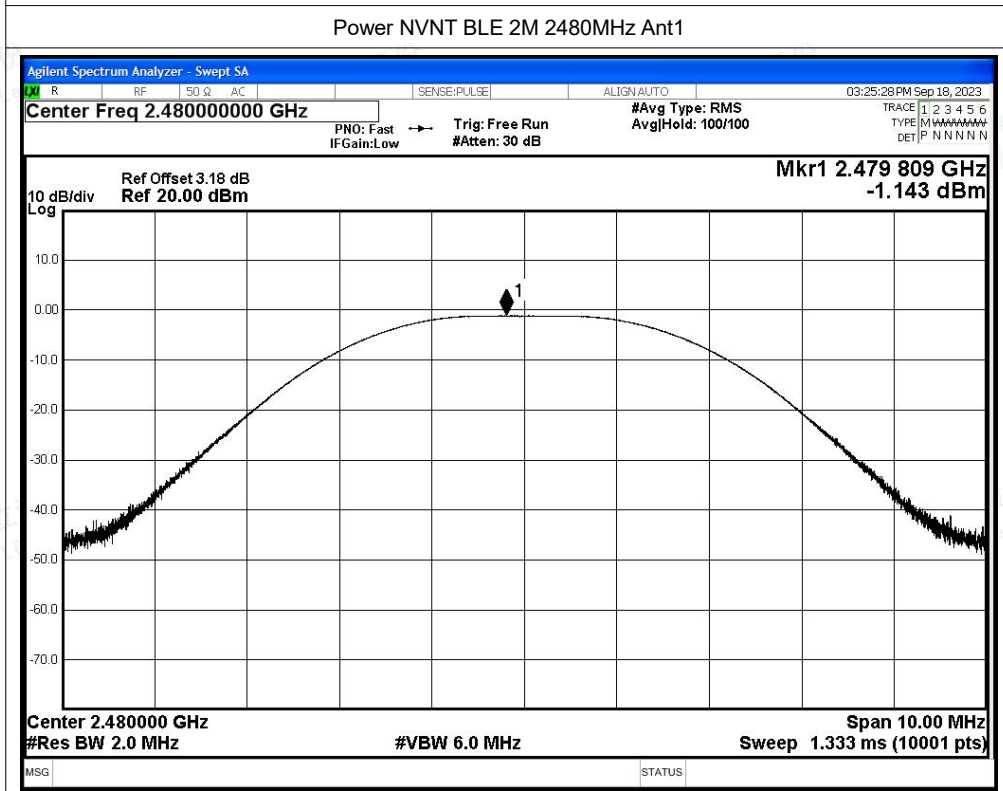
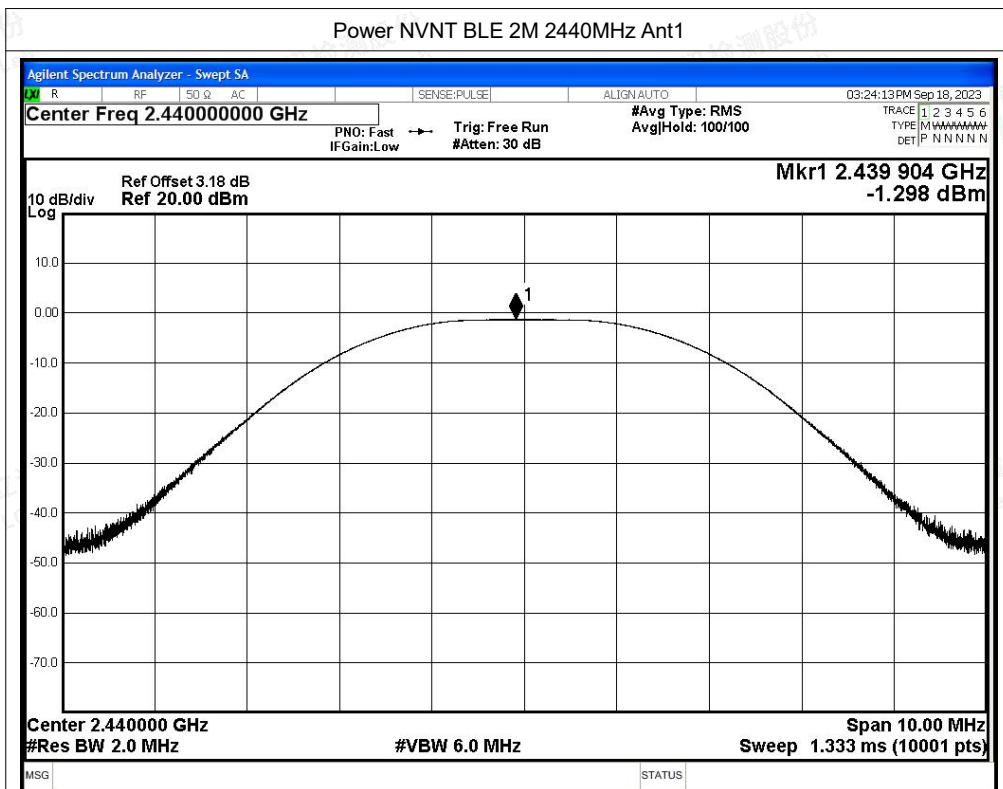
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B.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-18.43	8	Pass
NVNT	BLE 1M	2440	Ant1	-17.48	8	Pass
NVNT	BLE 1M	2480	Ant1	-17.4	8	Pass
NVNT	BLE 2M	2402	Ant1	-20.64	8	Pass
NVNT	BLE 2M	2440	Ant1	-20.28	8	Pass
NVNT	BLE 2M	2480	Ant1	-20.99	8	Pass



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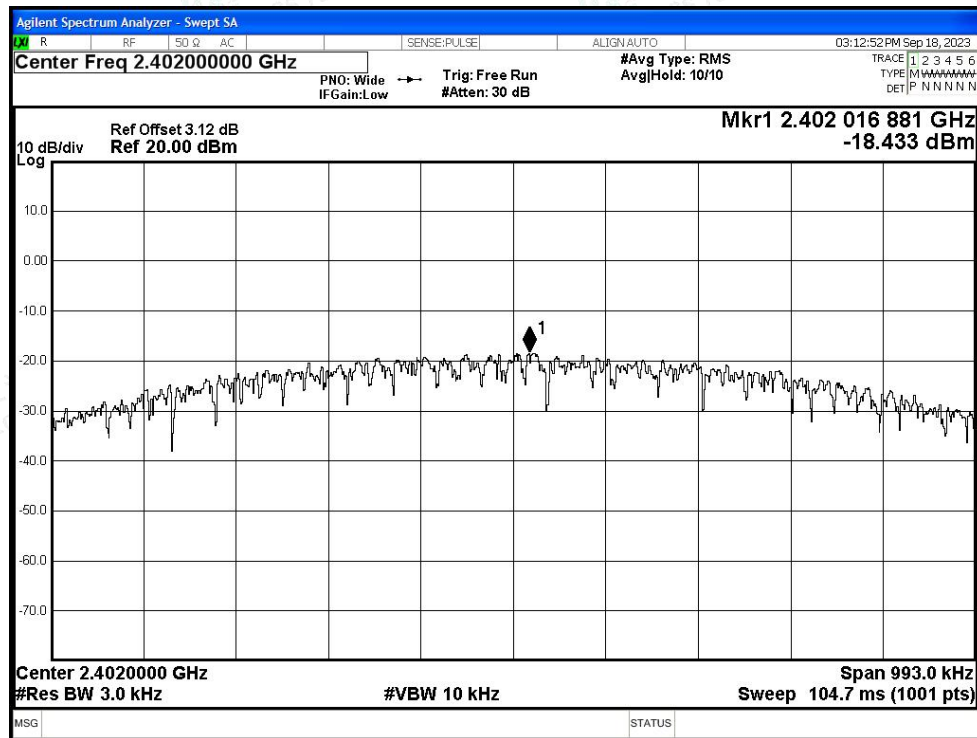
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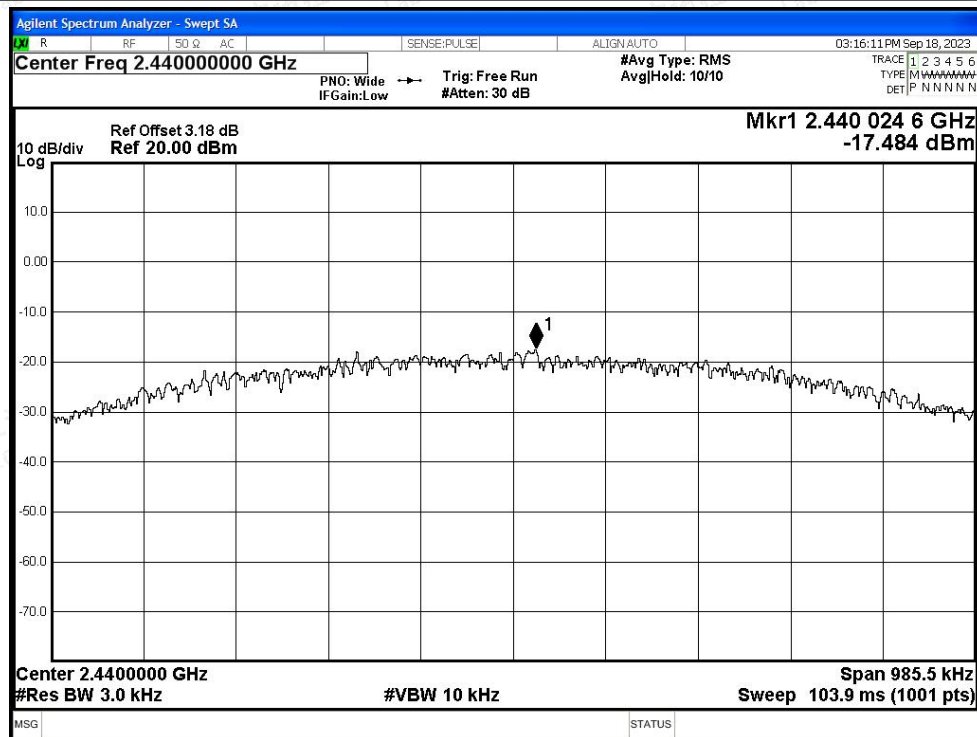


Test Graphs

PSD NVNT BLE 1M 2402MHz Ant1



PSD NVNT BLE 1M 2440MHz Ant1

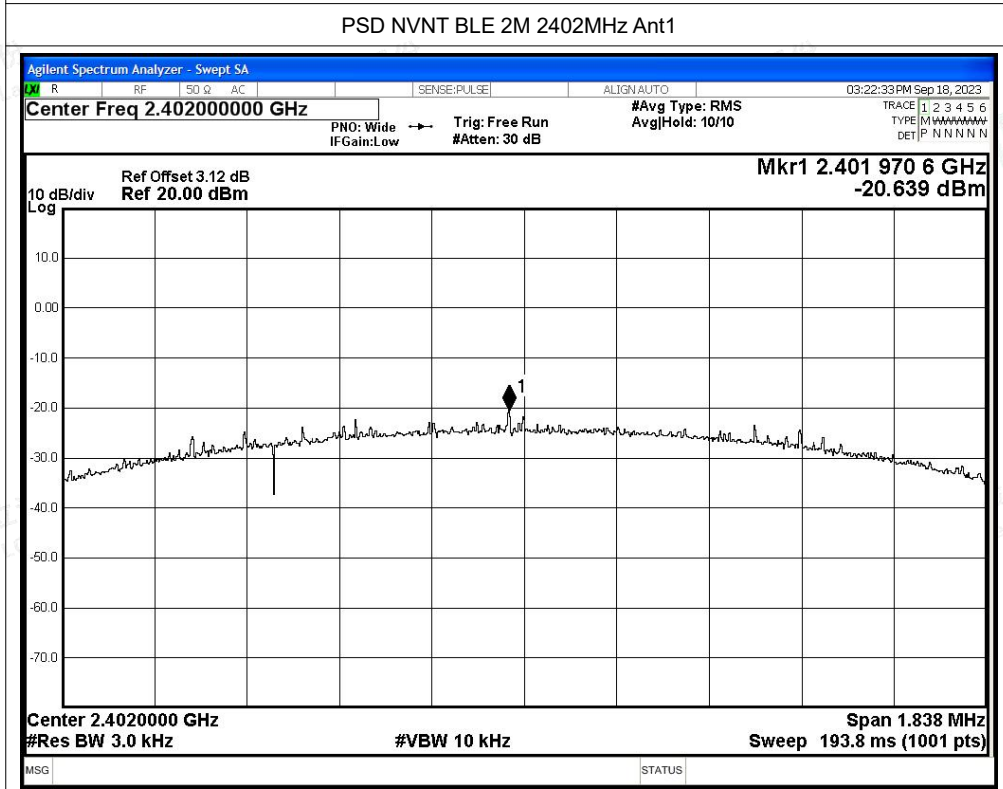
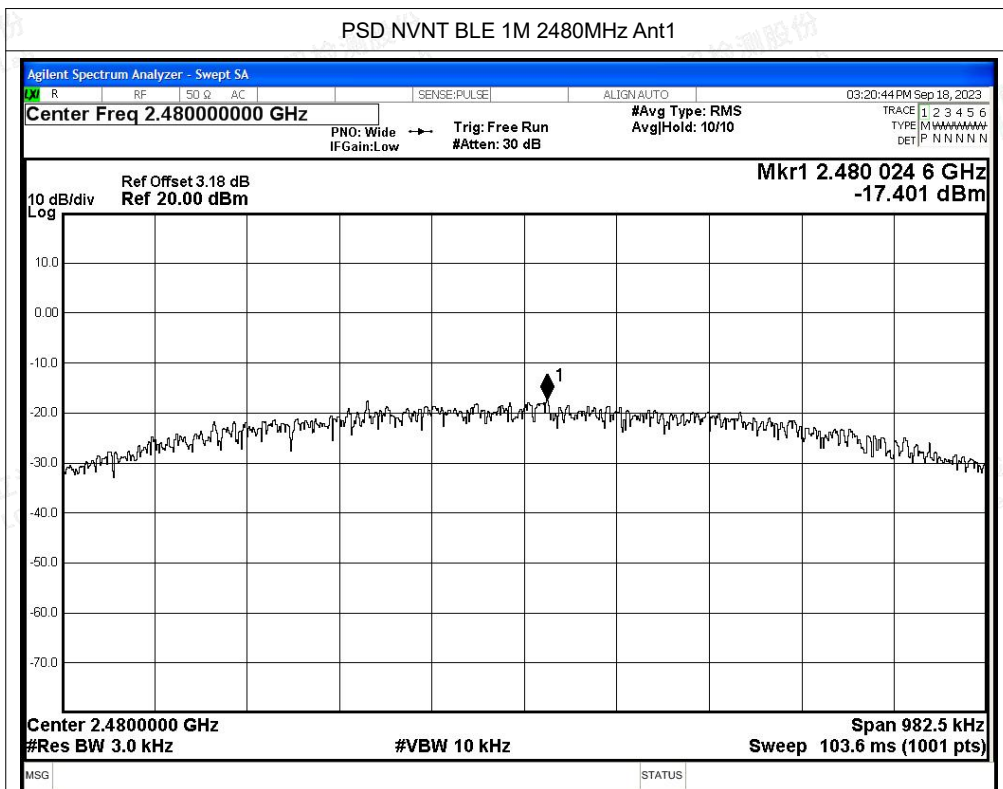


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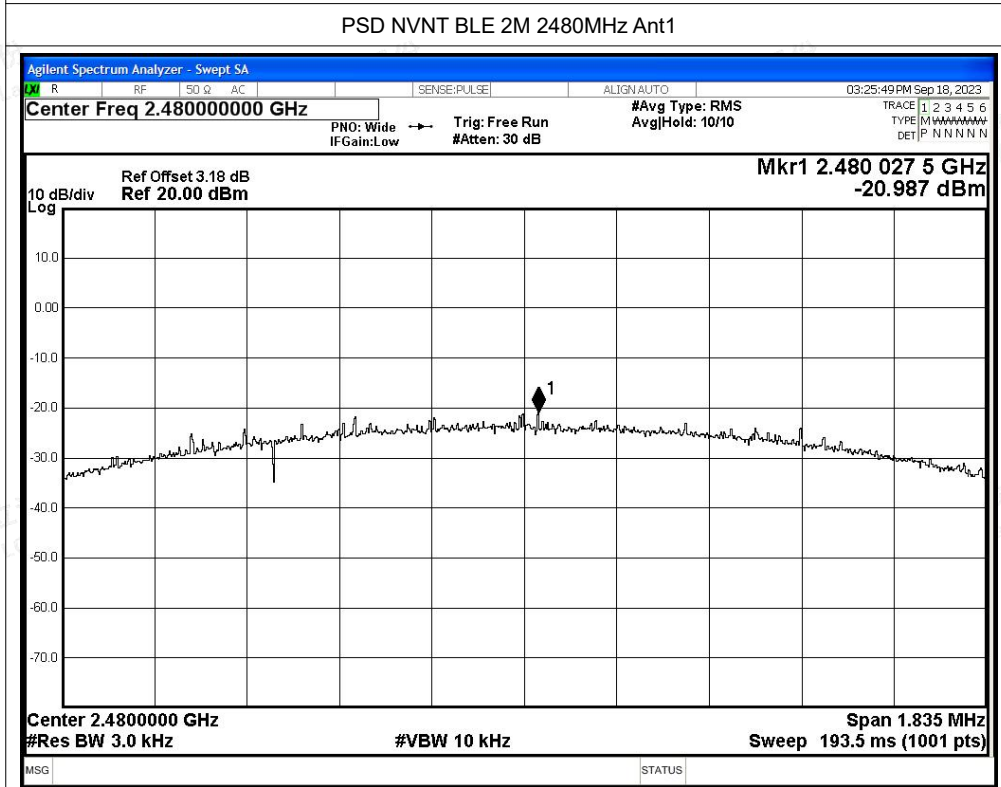
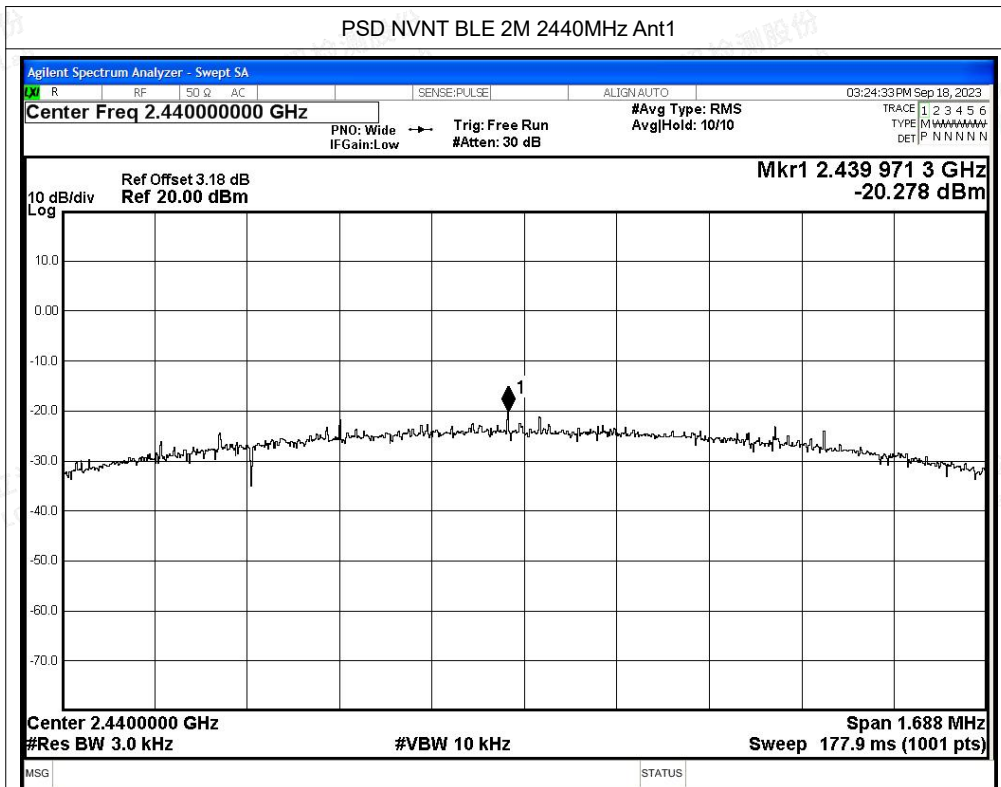


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B.4 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-53.56	-20	Pass
NVNT	BLE 1M	2480	Ant1	-54.25	-20	Pass
NVNT	BLE 2M	2402	Ant1	-29.78	-20	Pass
NVNT	BLE 2M	2480	Ant1	-52.18	-20	Pass



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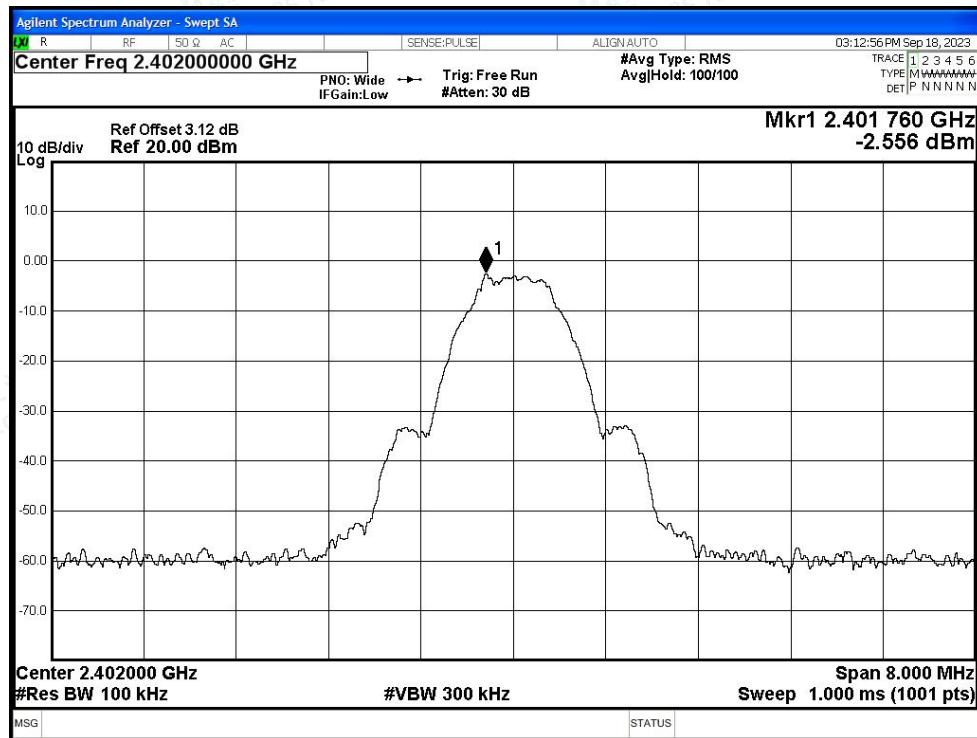
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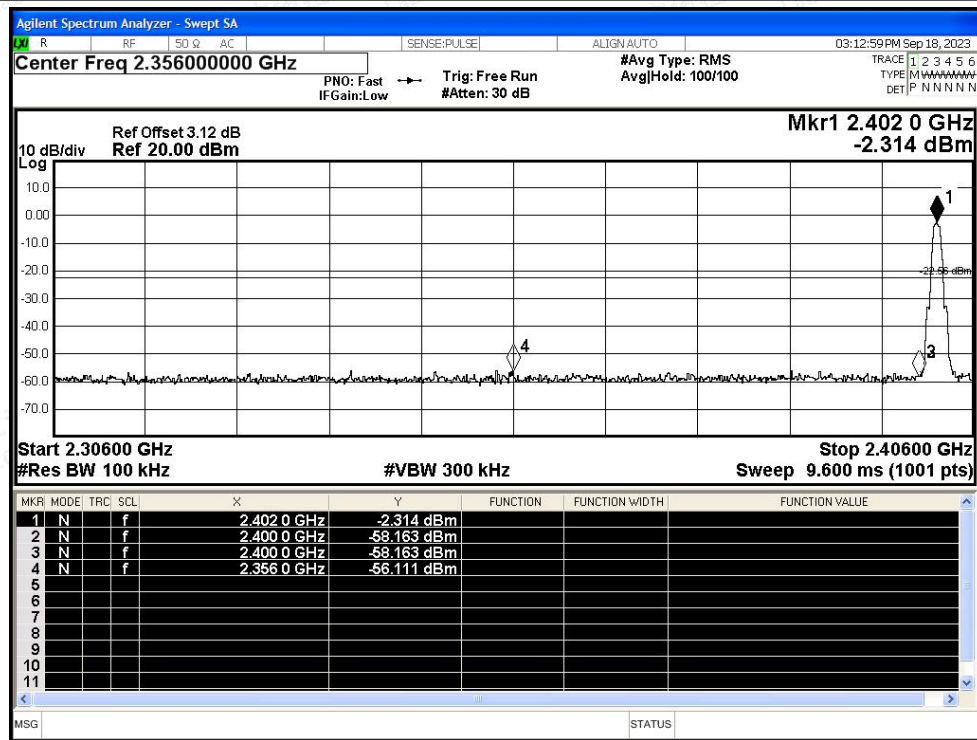


Test Graphs

Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



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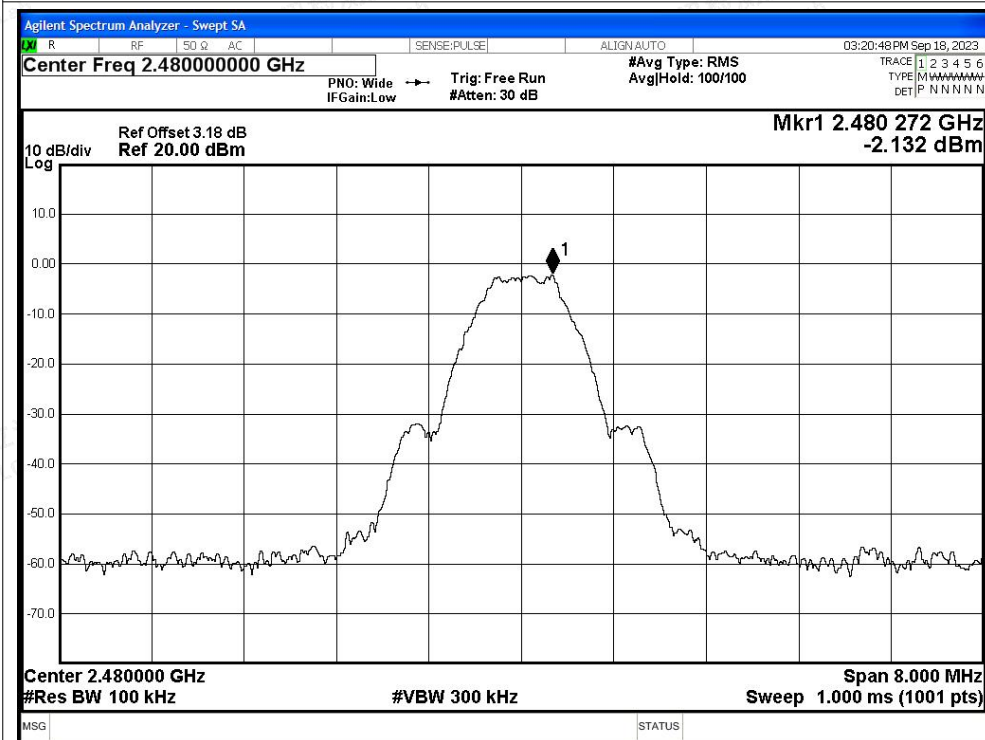
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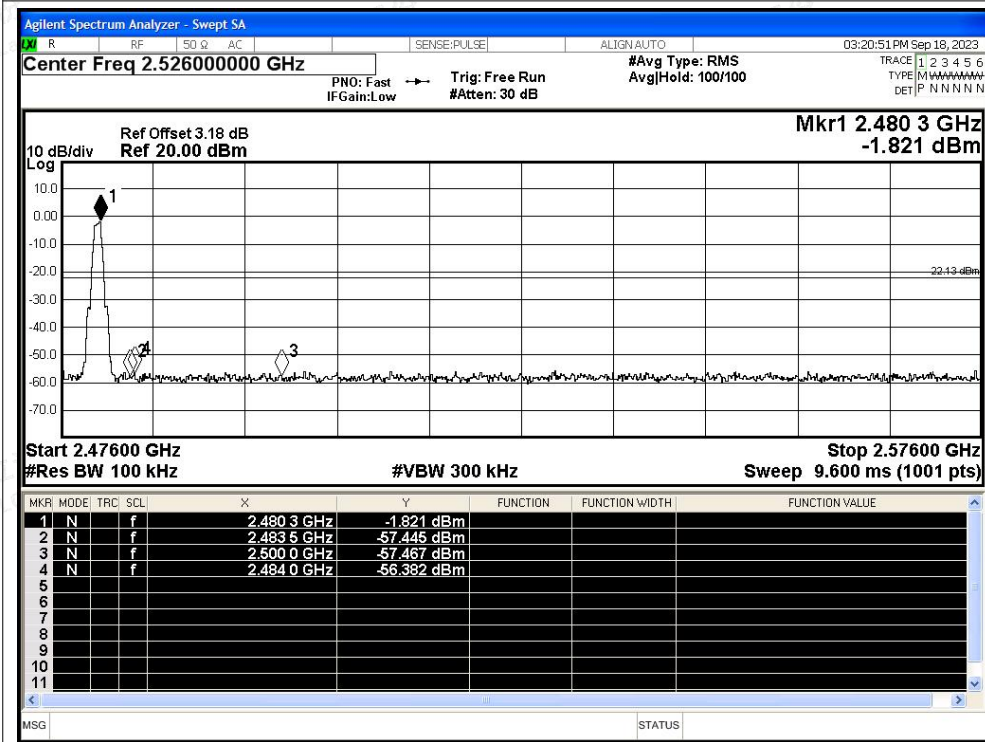
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Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



Band Edge NVNT BLE 1M 2480MHz Ant1 Emission



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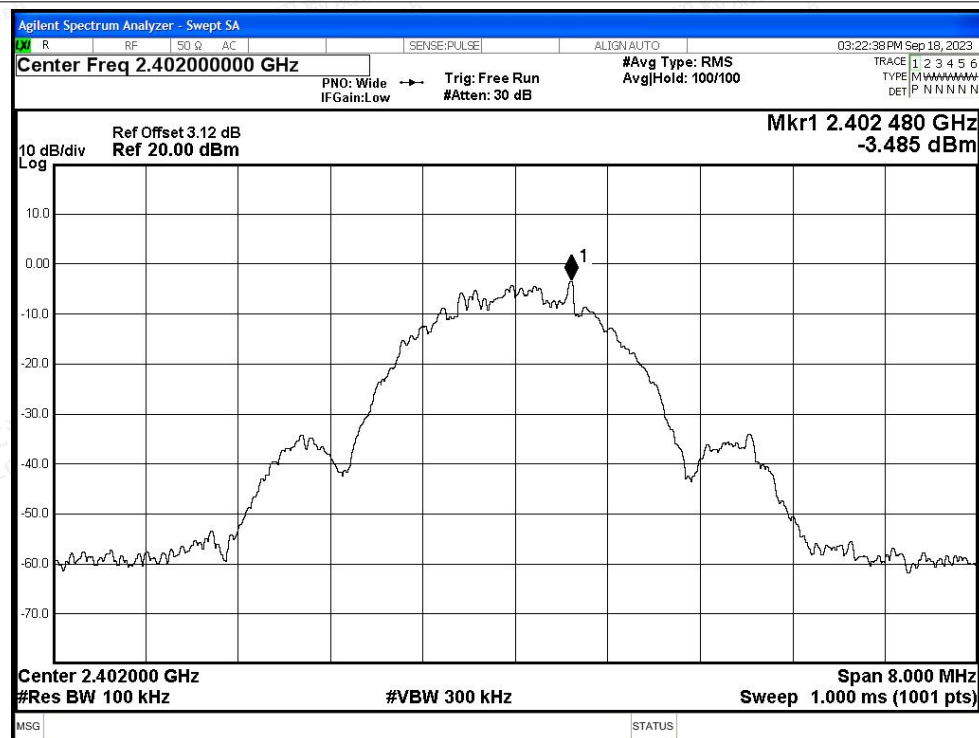
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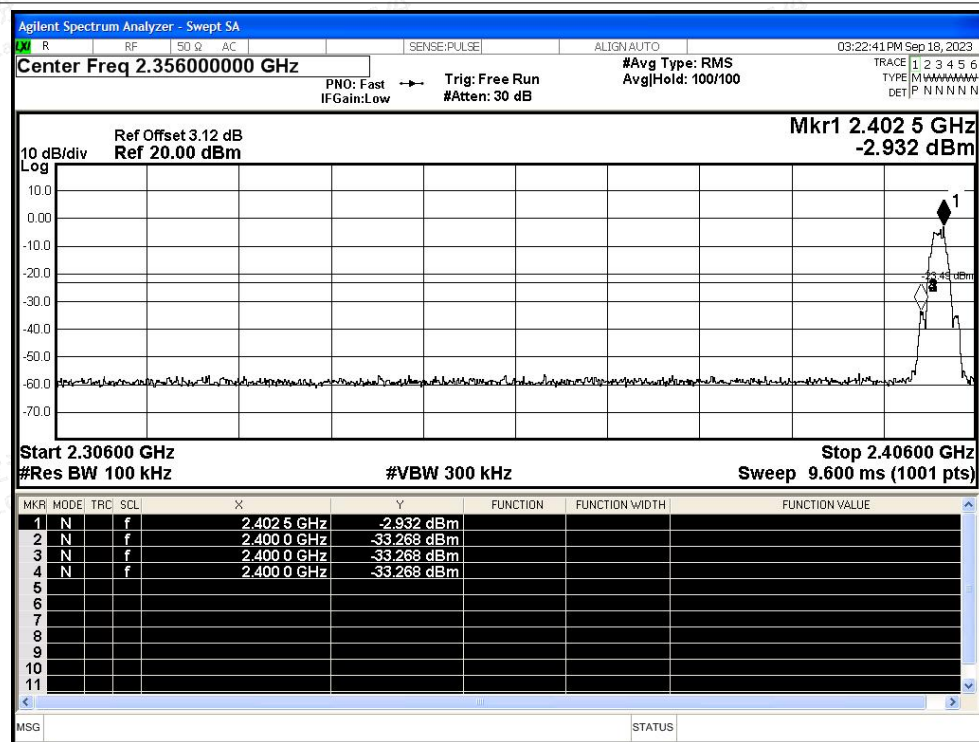
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Band Edge NVNT BLE 2M 2402MHz Ant1 Ref



Band Edge NVNT BLE 2M 2402MHz Ant1 Emission



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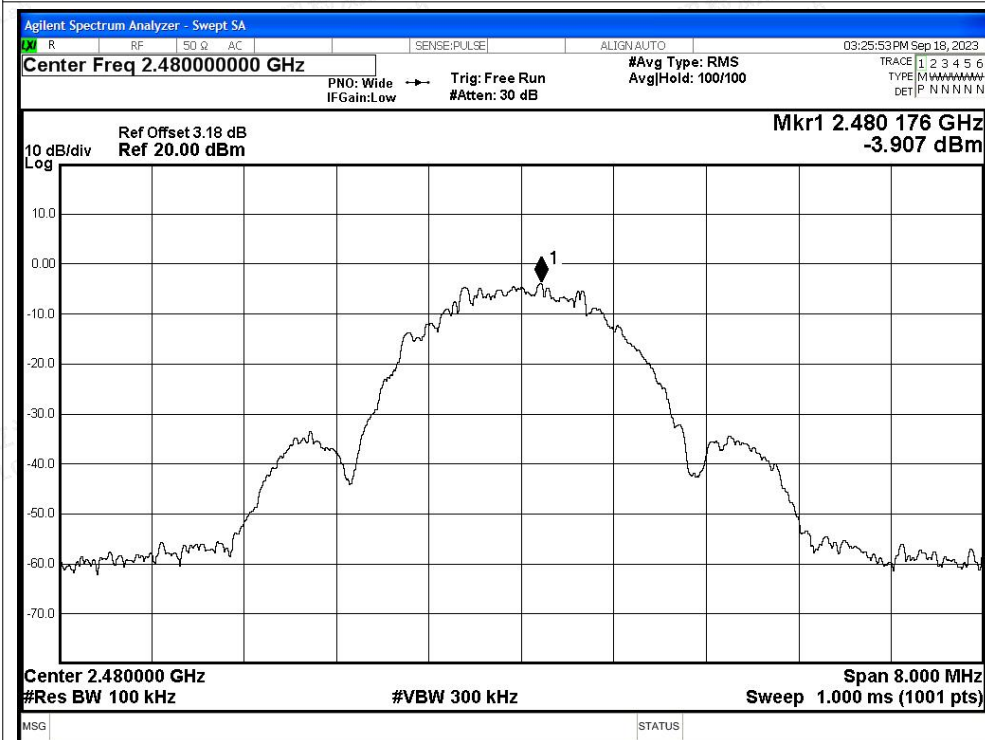
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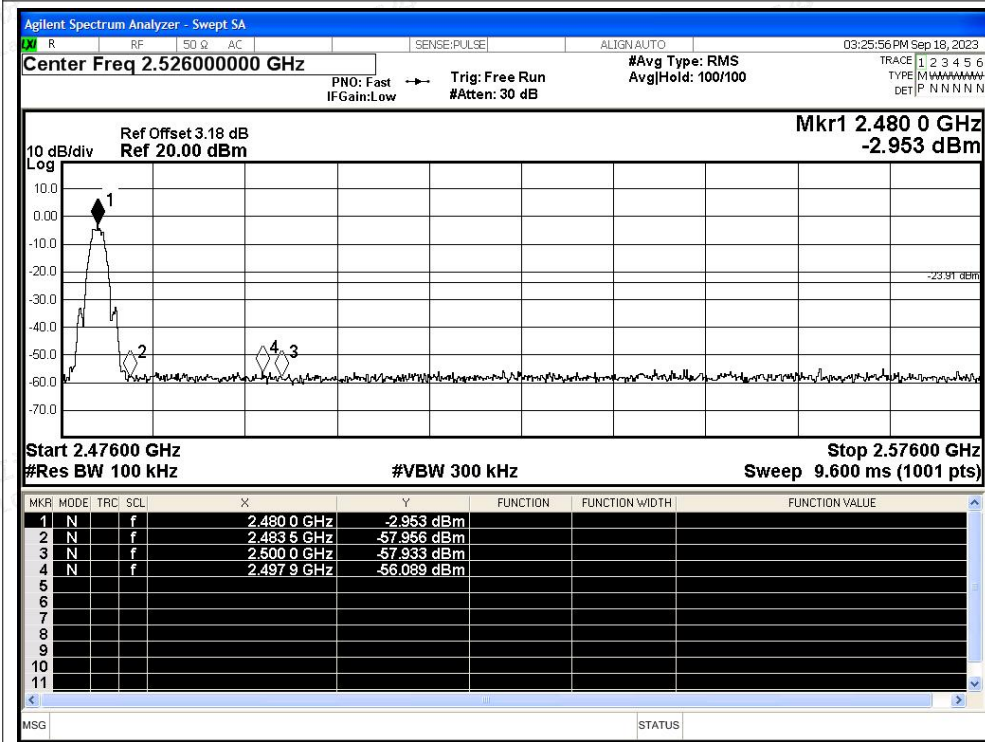
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Band Edge NVNT BLE 2M 2480MHz Ant1 Ref



Band Edge NVNT BLE 2M 2480MHz Ant1 Emission



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B.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-51.73	-20	Pass
NVNT	BLE 1M	2440	Ant1	-52.38	-20	Pass
NVNT	BLE 1M	2480	Ant1	-51.87	-20	Pass
NVNT	BLE 2M	2402	Ant1	-51.95	-20	Pass
NVNT	BLE 2M	2440	Ant1	-51.88	-20	Pass
NVNT	BLE 2M	2480	Ant1	-52.53	-20	Pass



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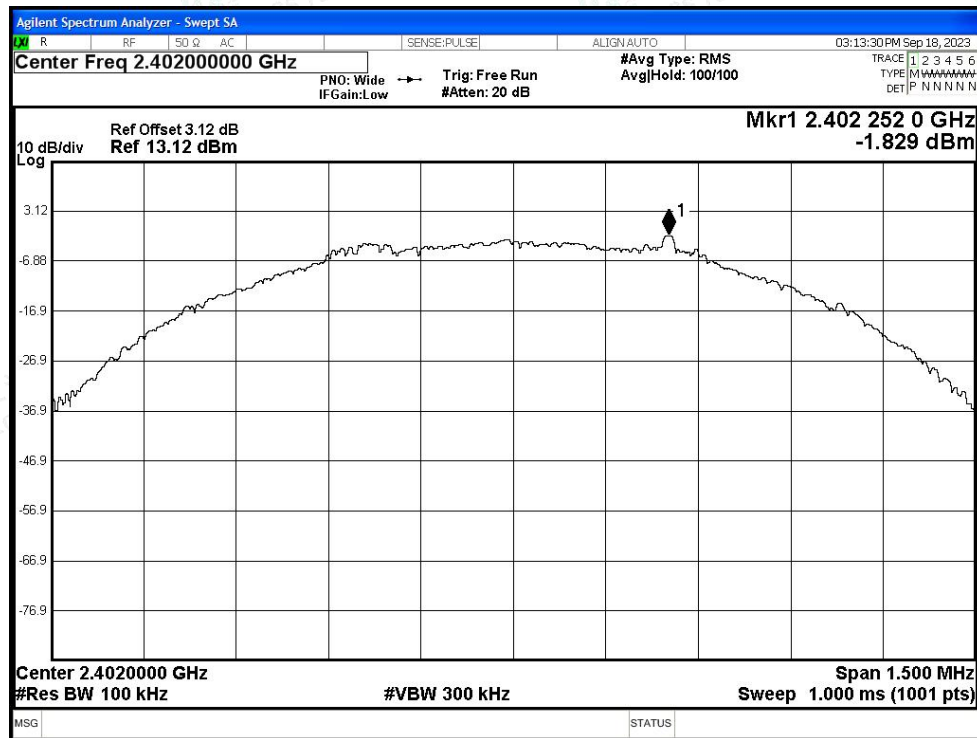
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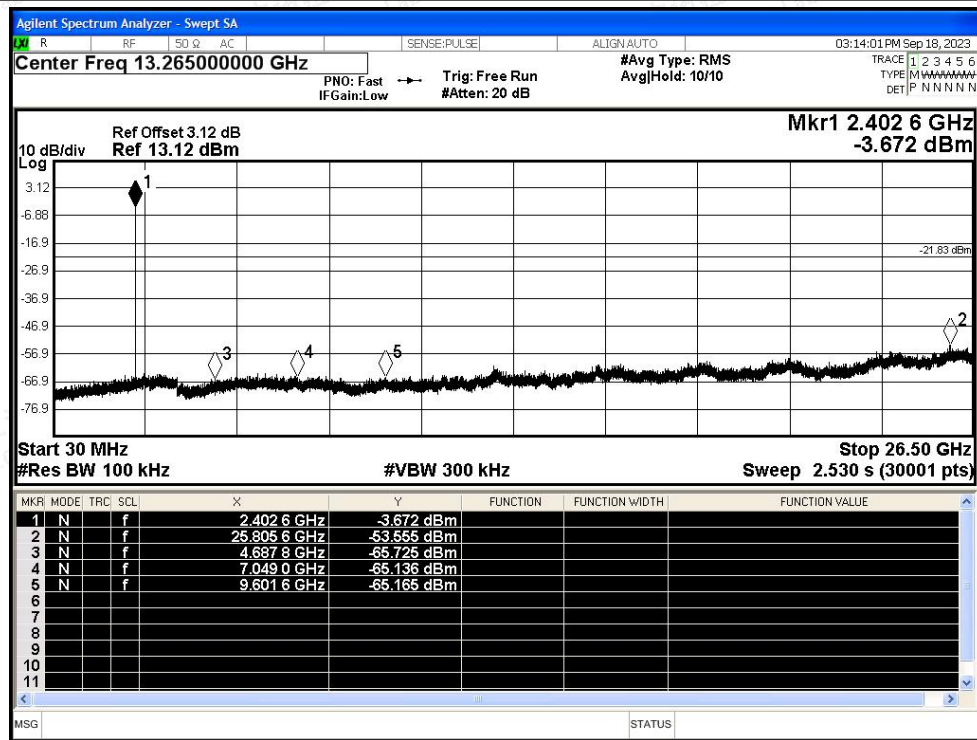


Test Graphs

Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



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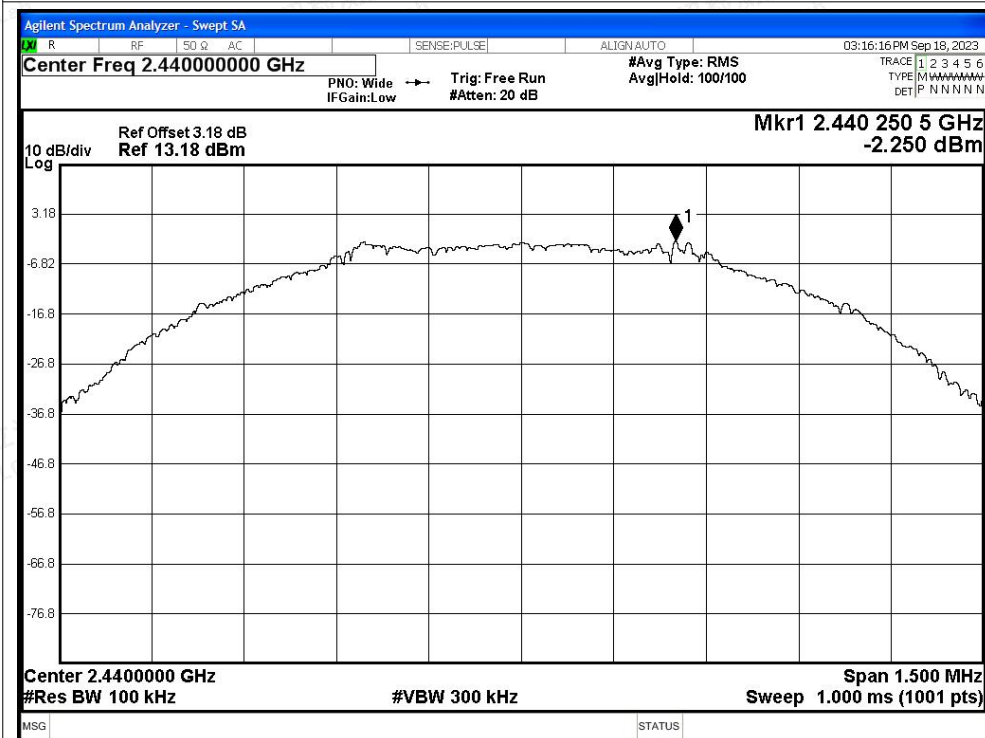
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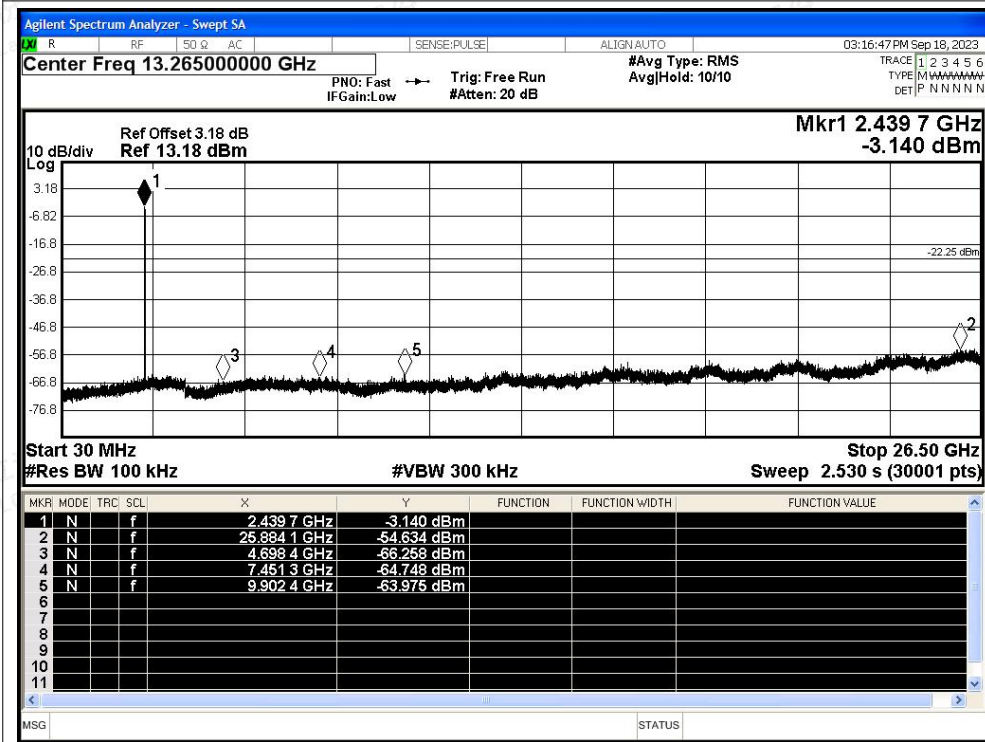
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Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission



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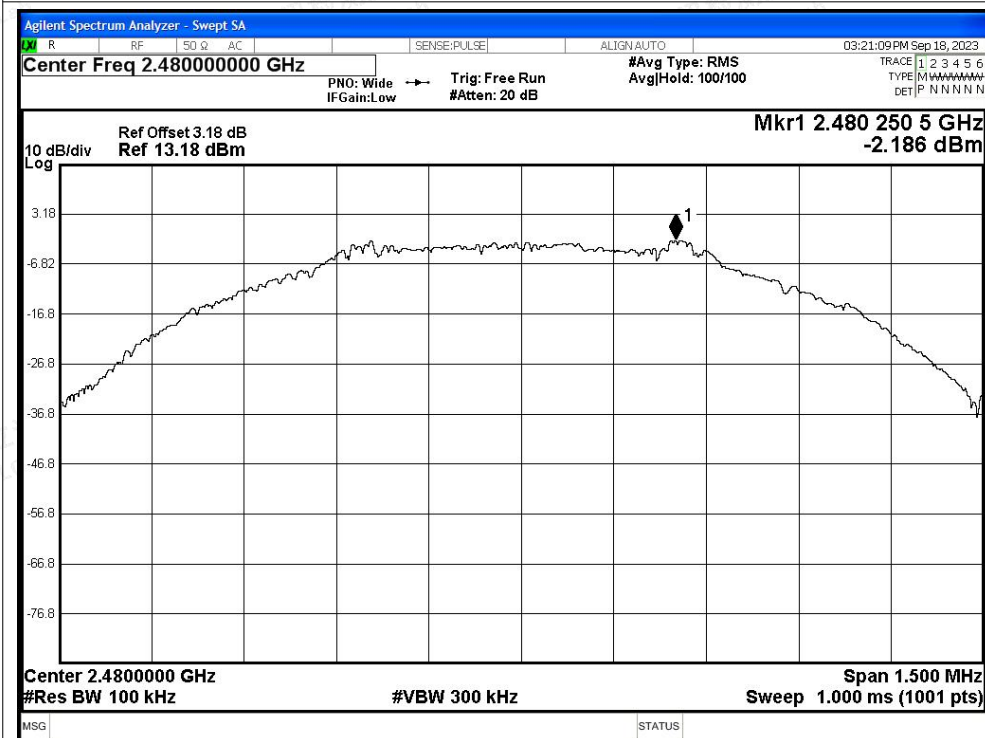
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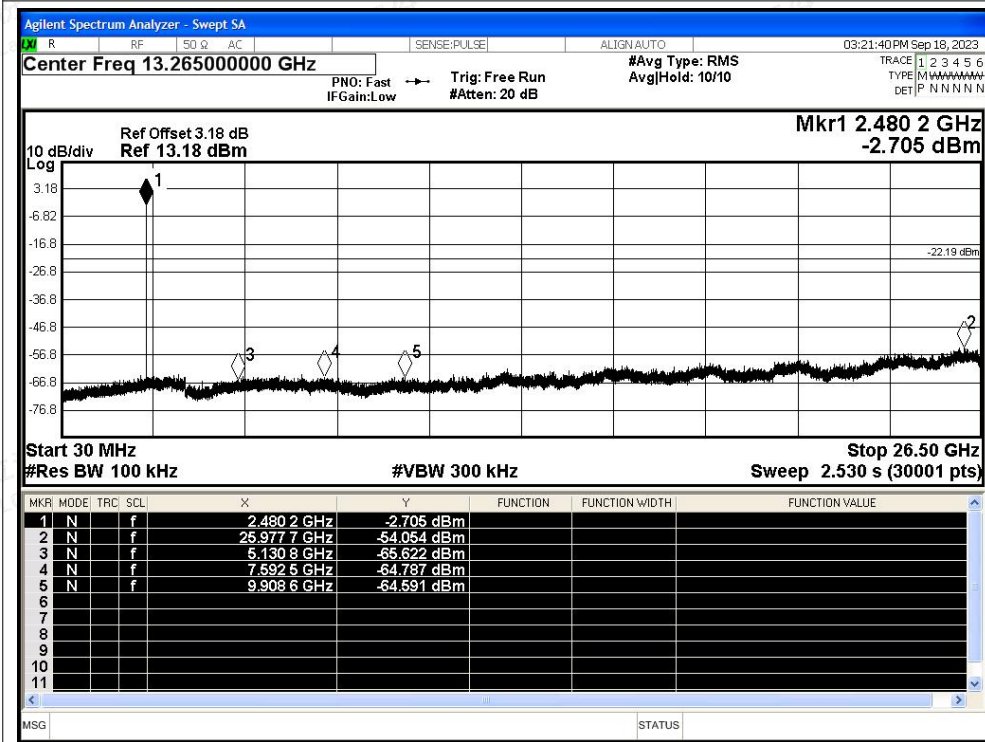
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Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



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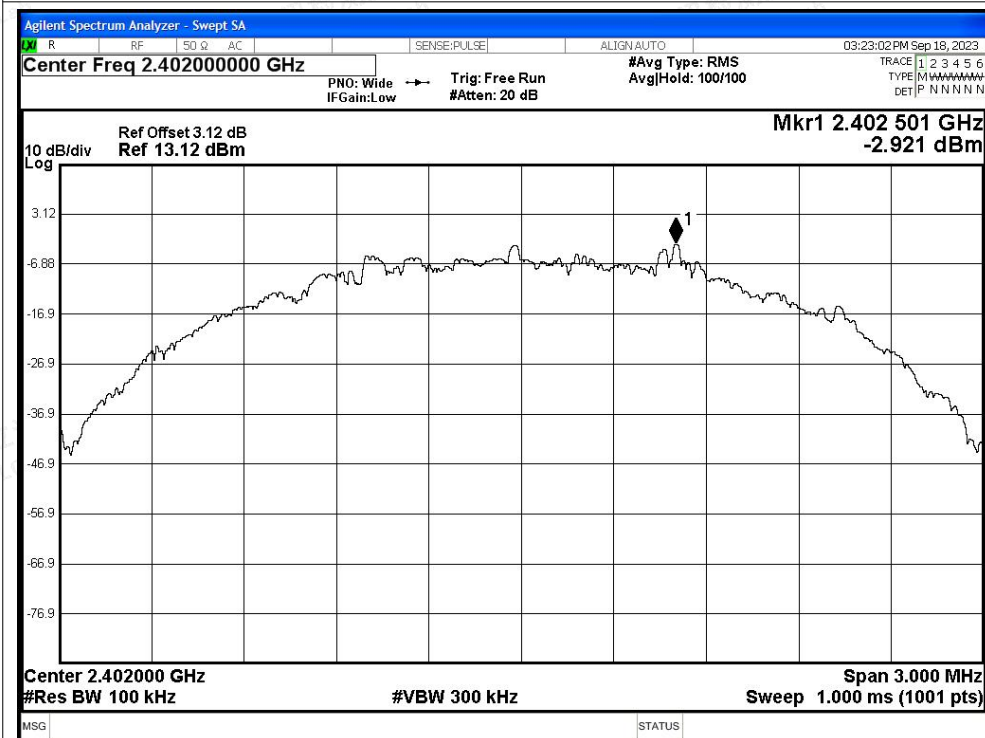
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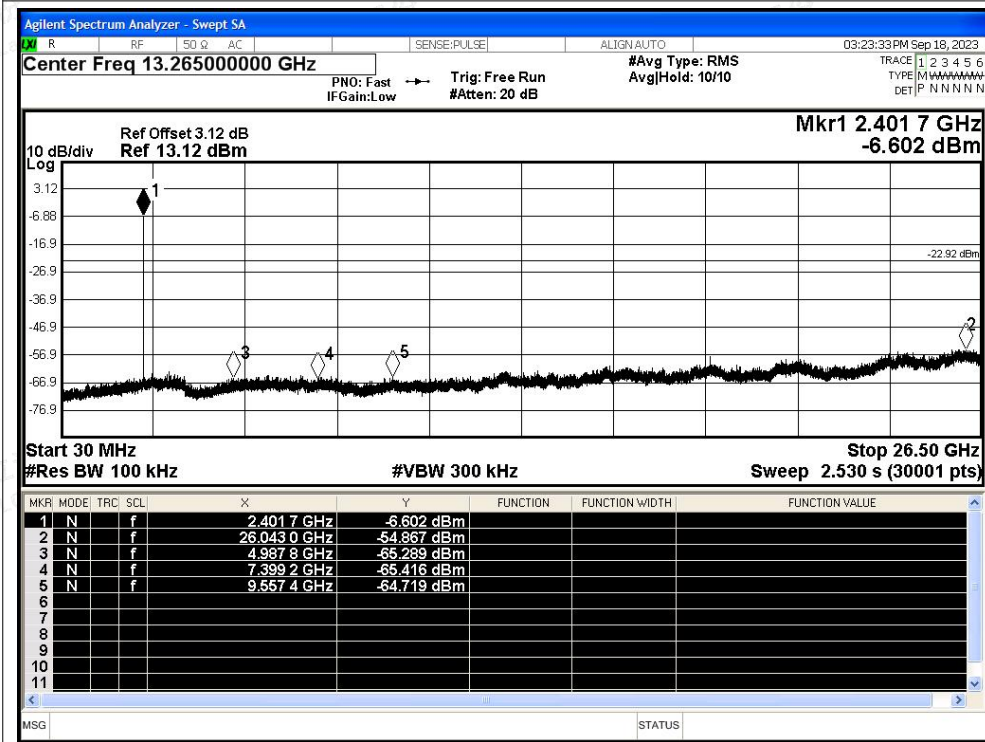
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Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Emission



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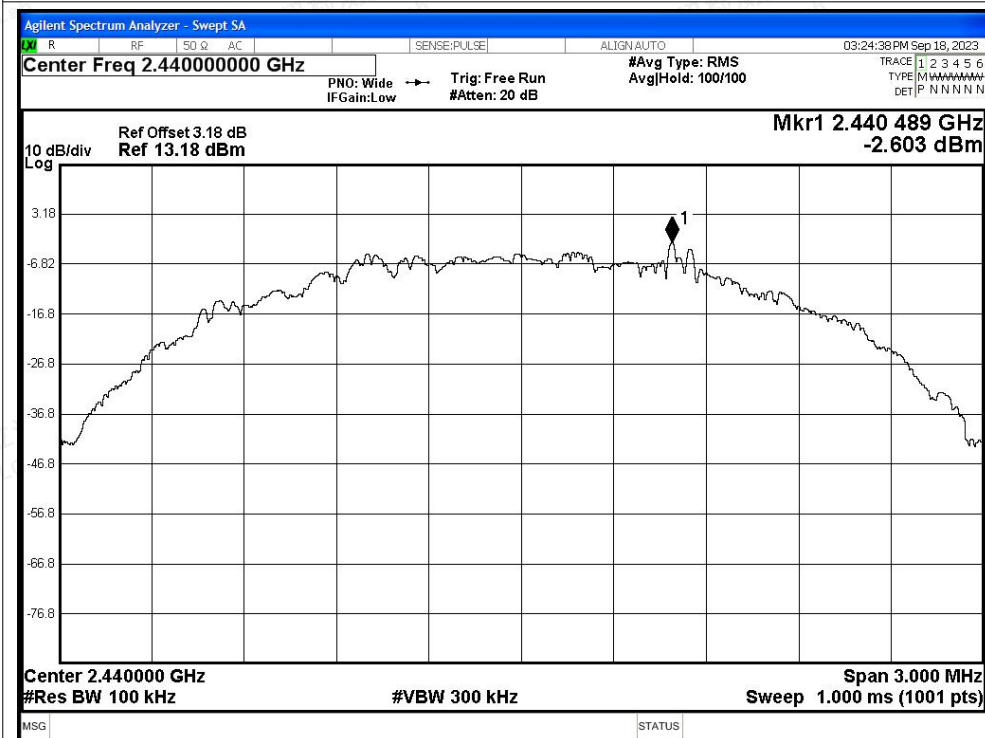
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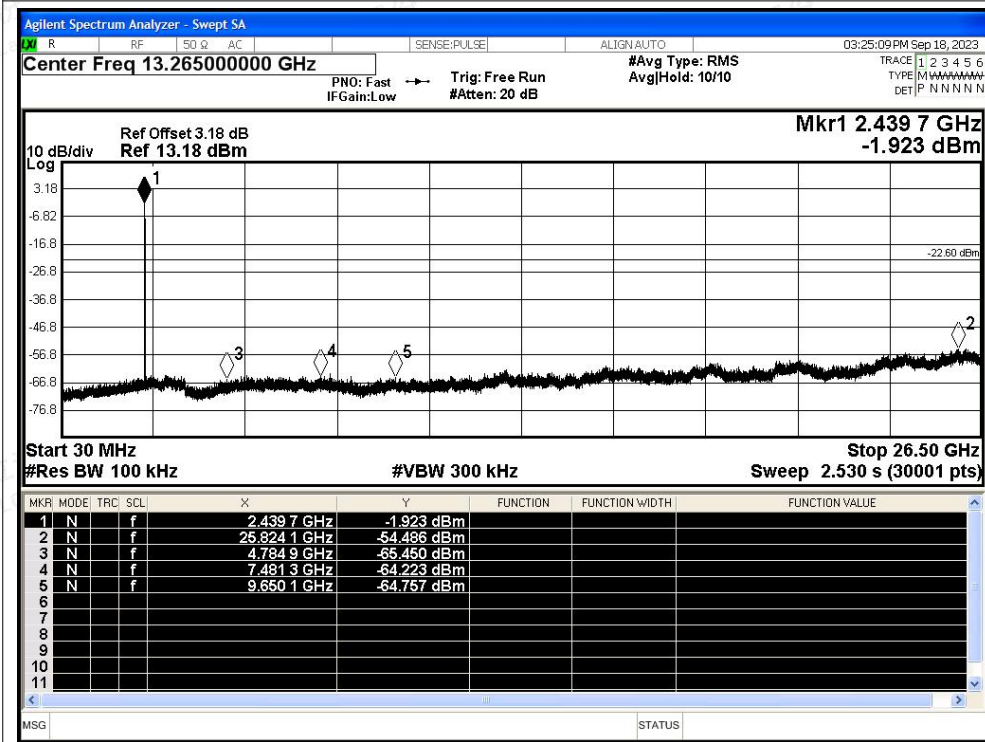
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