



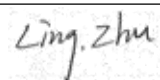
Appendix B

RF Test Data for BLE (Conducted Measurement)

Product Name: Smart Watch

Test Model: Lunar Connect Pro

Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	 Nick Peng
Supervised by:	 Ling Zhu



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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 2M	2402	Ant1	1.224	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.112	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.156	0.5	Pass



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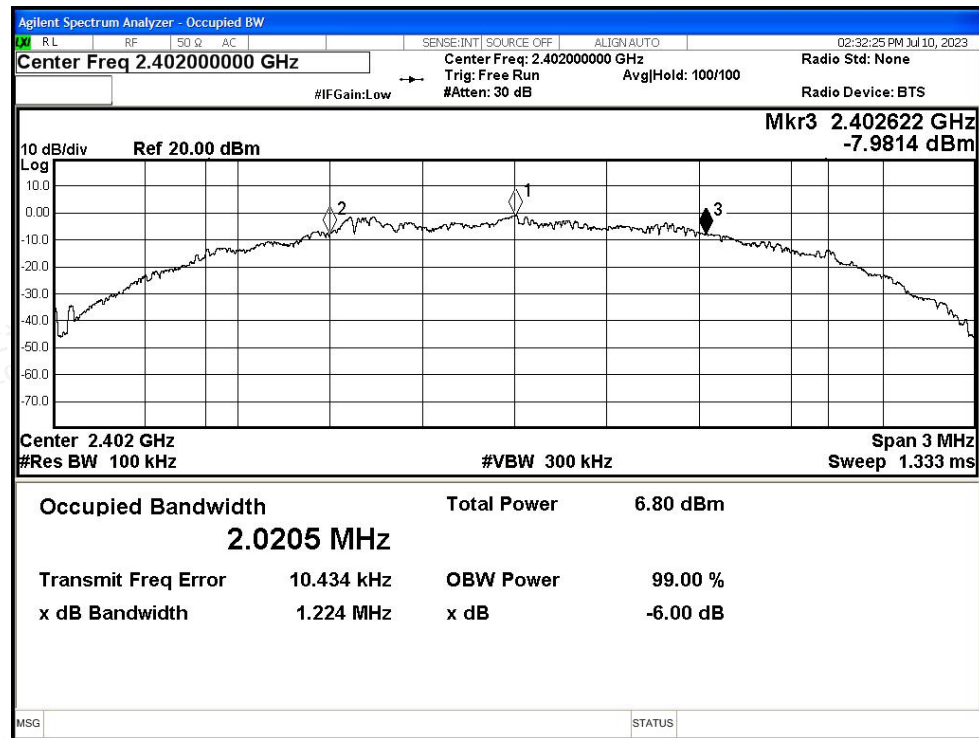
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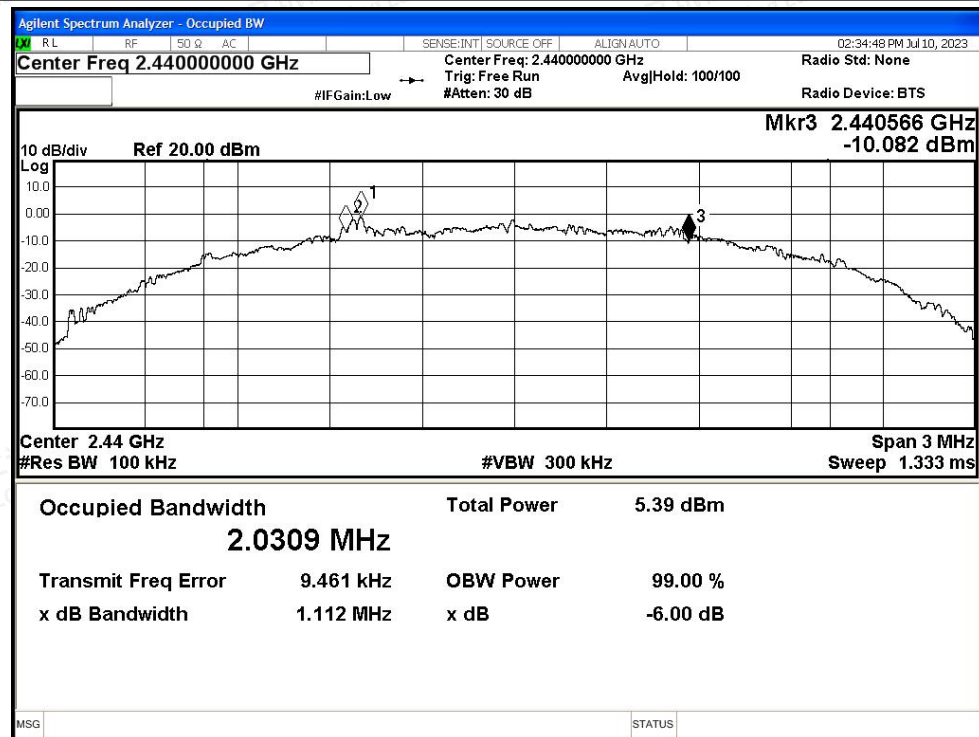


Test Graphs

-6dB Bandwidth NVNT BLE 2M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 2M 2440MHz Ant1

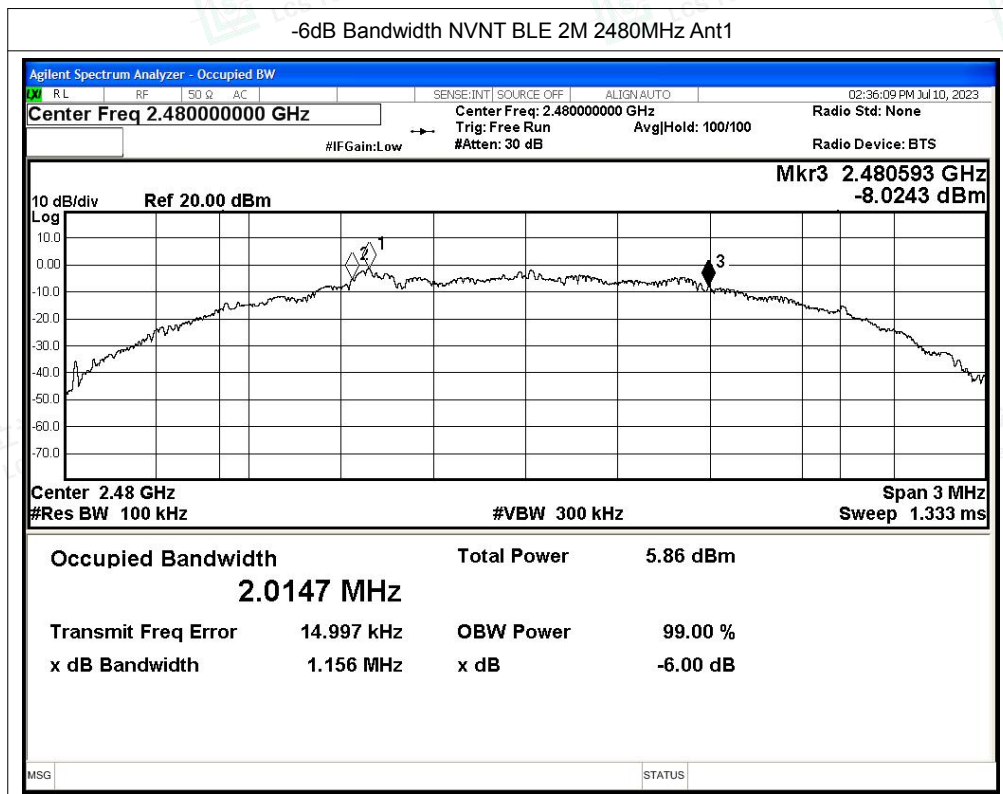


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B.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 2M	2402	Ant1	0.58	30	Pass
NVNT	BLE 2M	2440	Ant1	-0.58	30	Pass
NVNT	BLE 2M	2480	Ant1	-0.4	30	Pass



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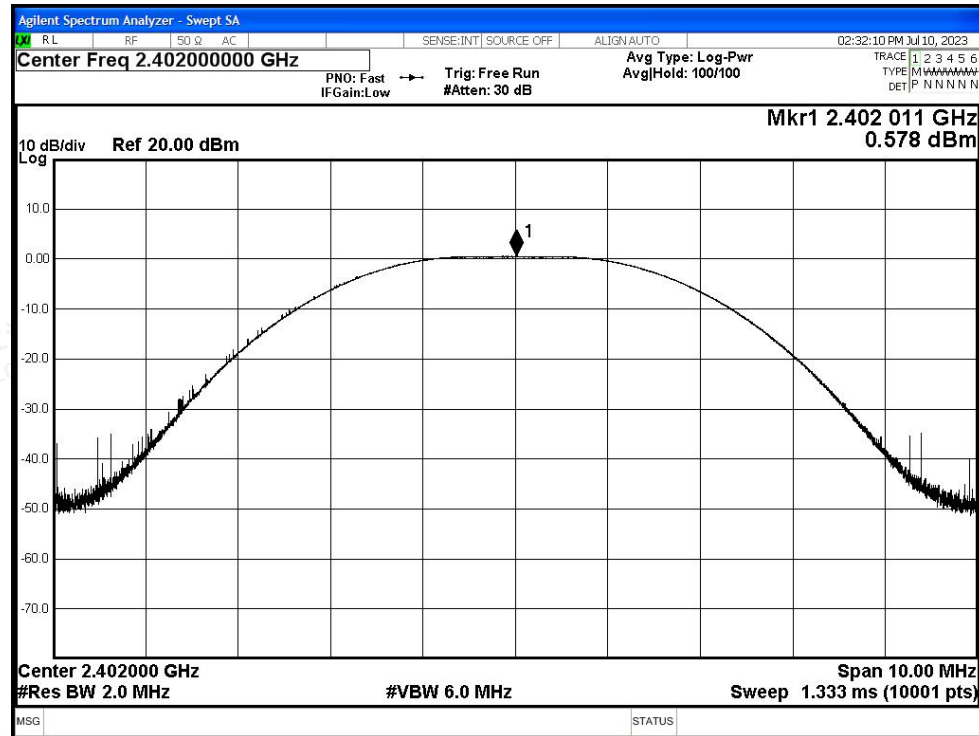
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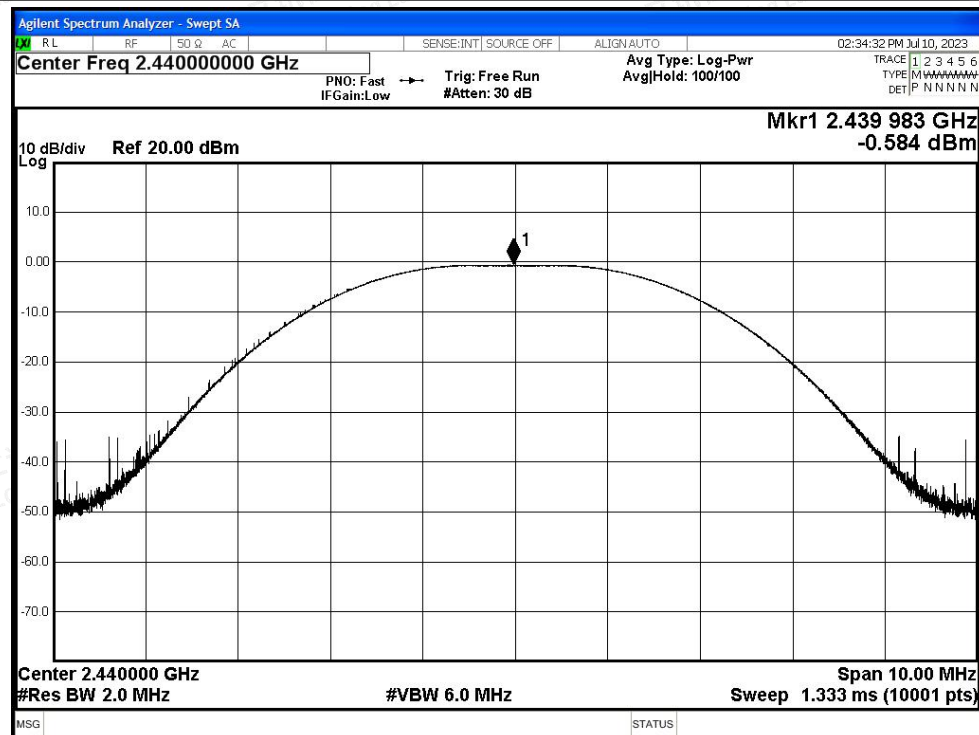


Test Graphs

Power NVNT BLE 2M 2402MHz Ant1



Power NVNT BLE 2M 2440MHz Ant1

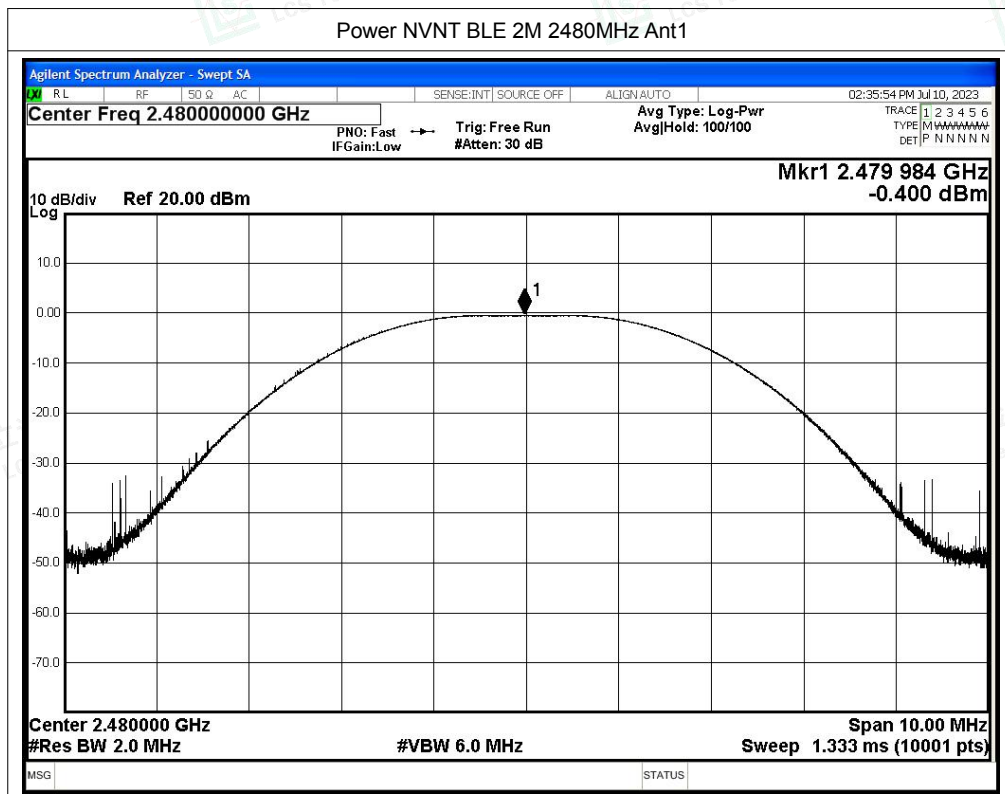


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B.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 2M	2402	Ant1	-19.17	8	Pass
NVNT	BLE 2M	2440	Ant1	-20.3	8	Pass
NVNT	BLE 2M	2480	Ant1	-20.17	8	Pass



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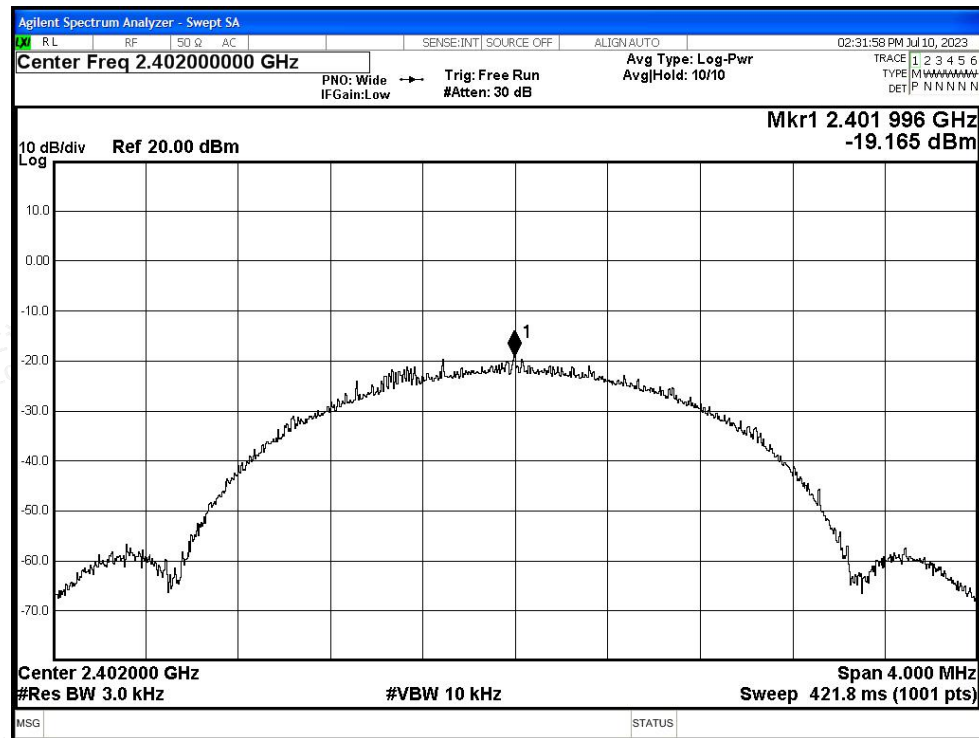
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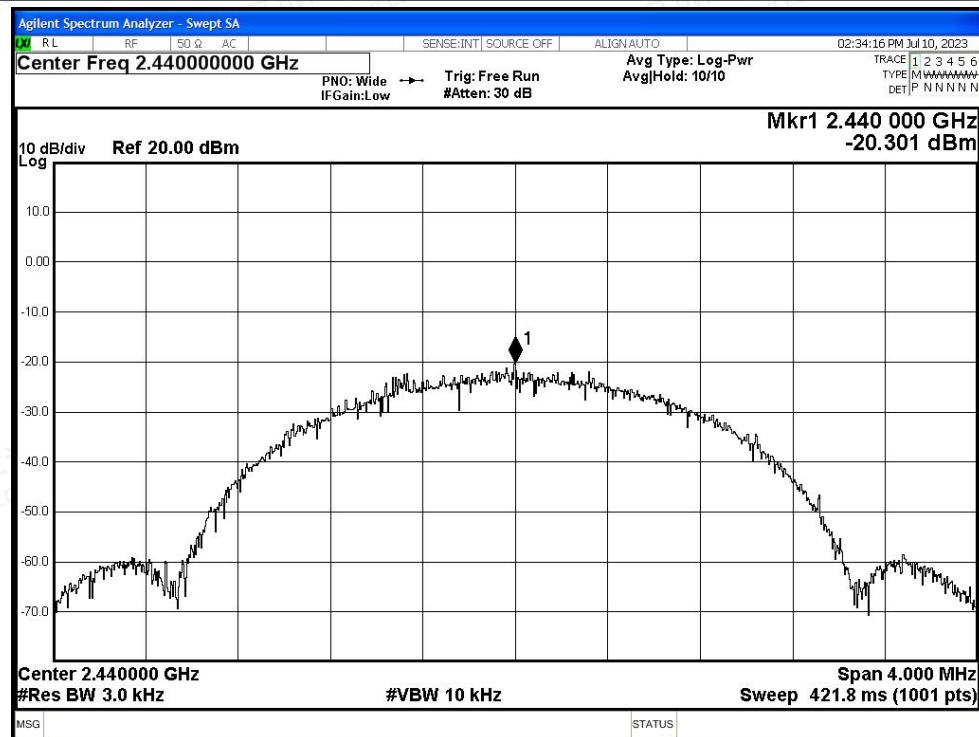


Test Graphs

PSD NVNT BLE 2M 2402MHz Ant1



PSD NVNT BLE 2M 2440MHz Ant1

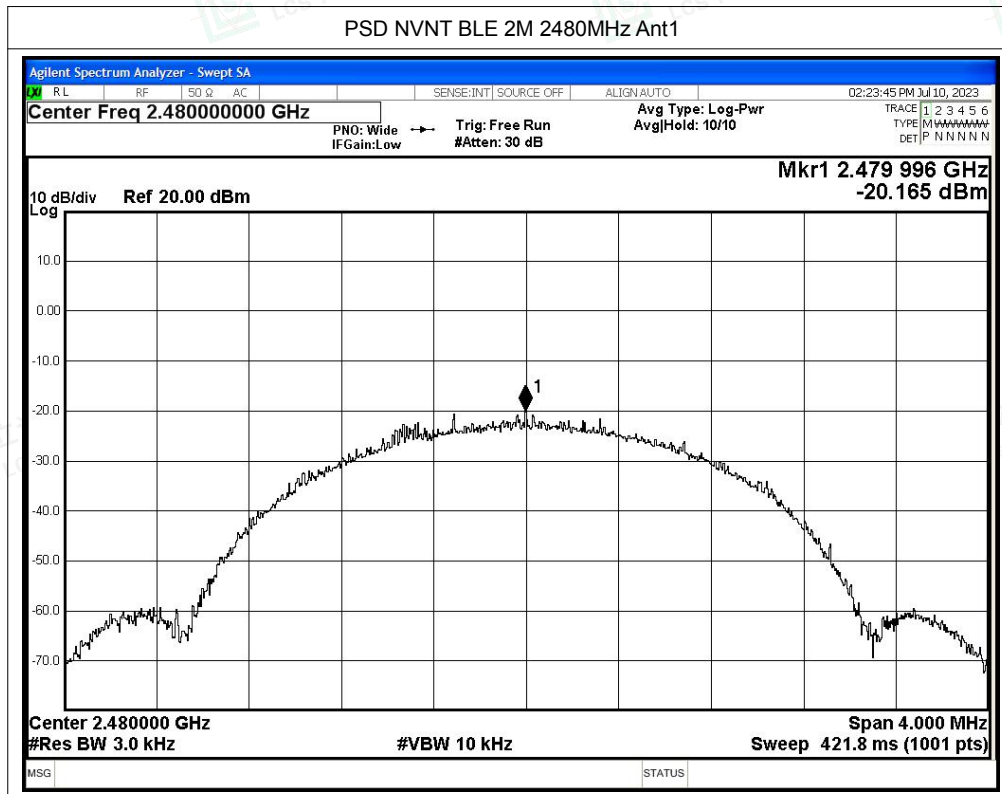


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B.4 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 2M	2402	Ant1	-46.56	-20	Pass
NVNT	BLE 2M	2480	Ant1	-57.45	-20	Pass



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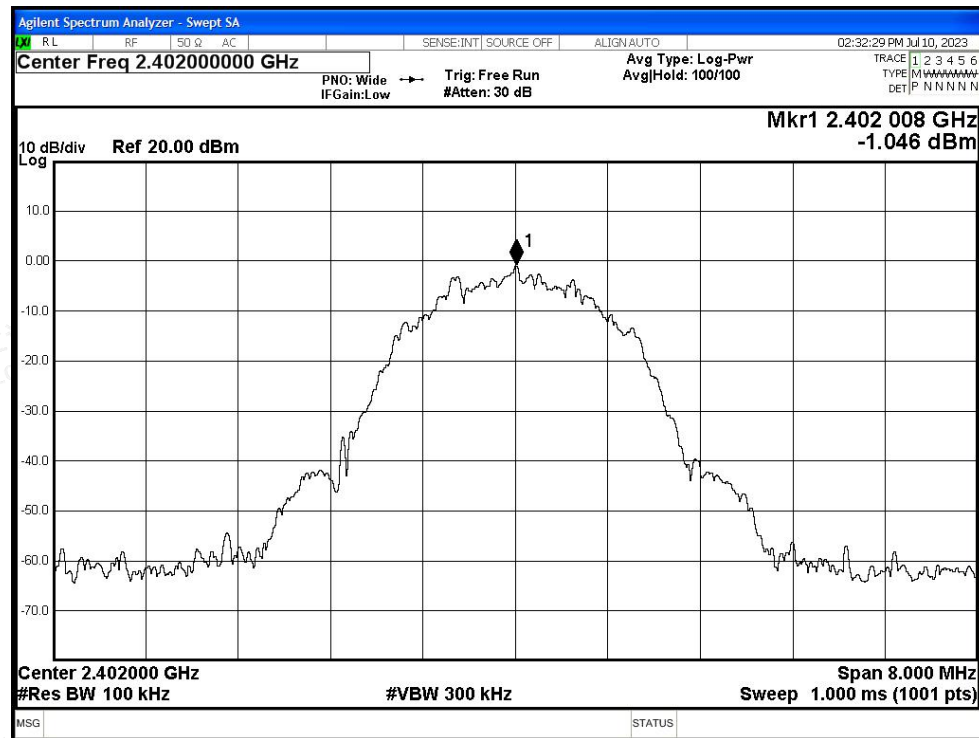
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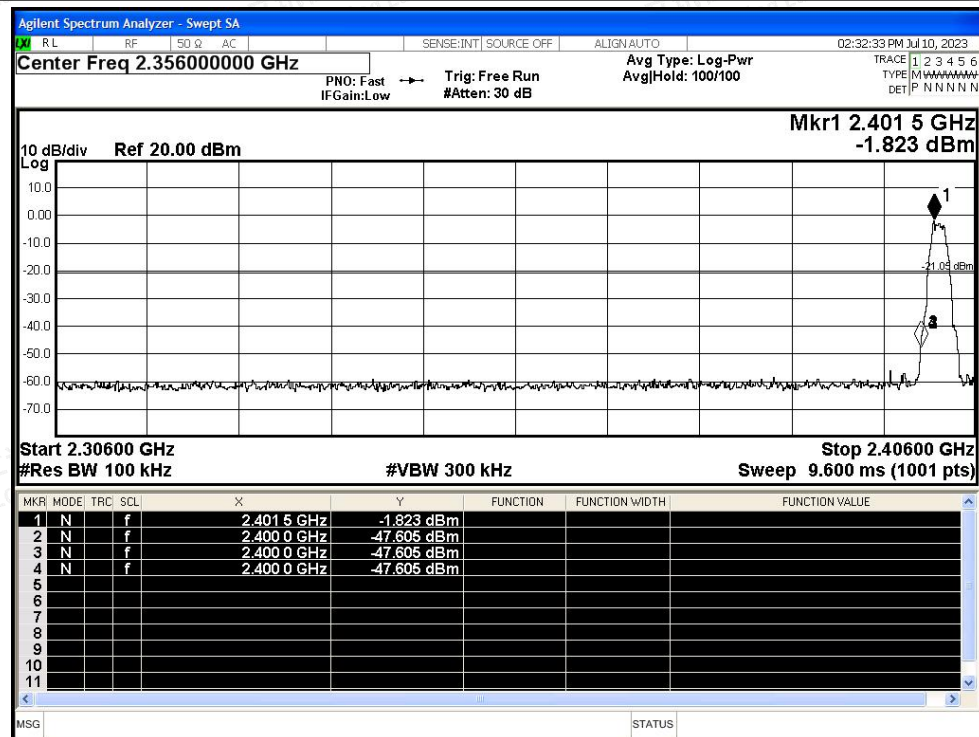


Test Graphs

Band Edge NVNT BLE 2M 2402MHz Ant1 Ref



Band Edge NVNT BLE 2M 2402MHz Ant1 Emission



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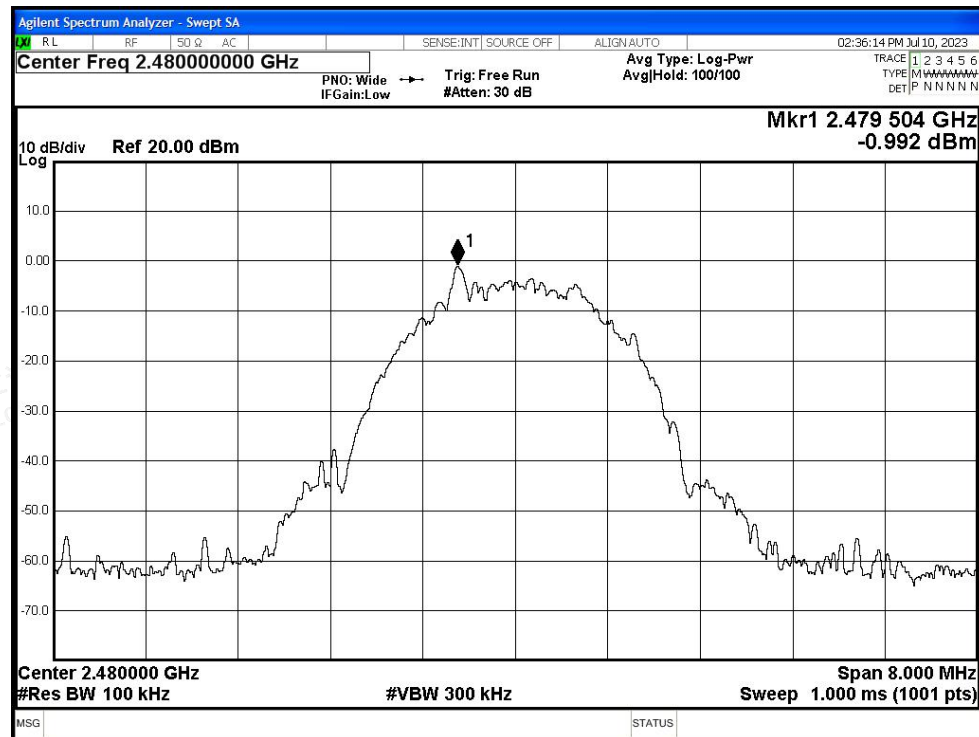
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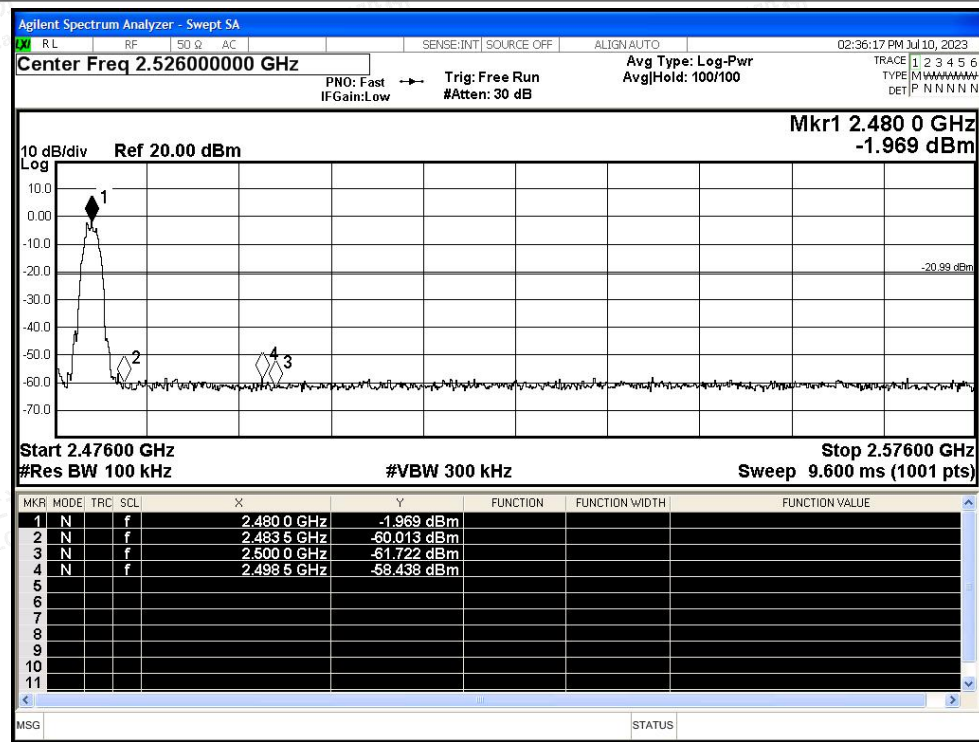
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Band Edge NVNT BLE 2M 2480MHz Ant1 Ref



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 2M	2402	Ant1	-43.5	-20	Pass
NVNT	BLE 2M	2440	Ant1	-56.17	-20	Pass
NVNT	BLE 2M	2480	Ant1	-54.79	-20	Pass



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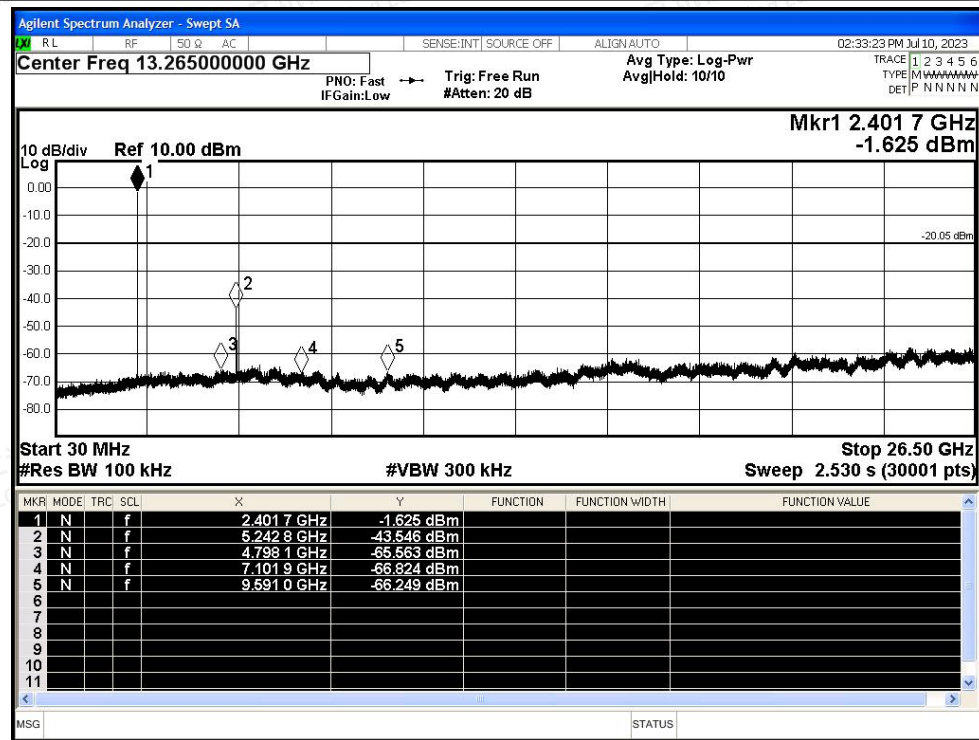


Test Graphs

Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Ref



Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

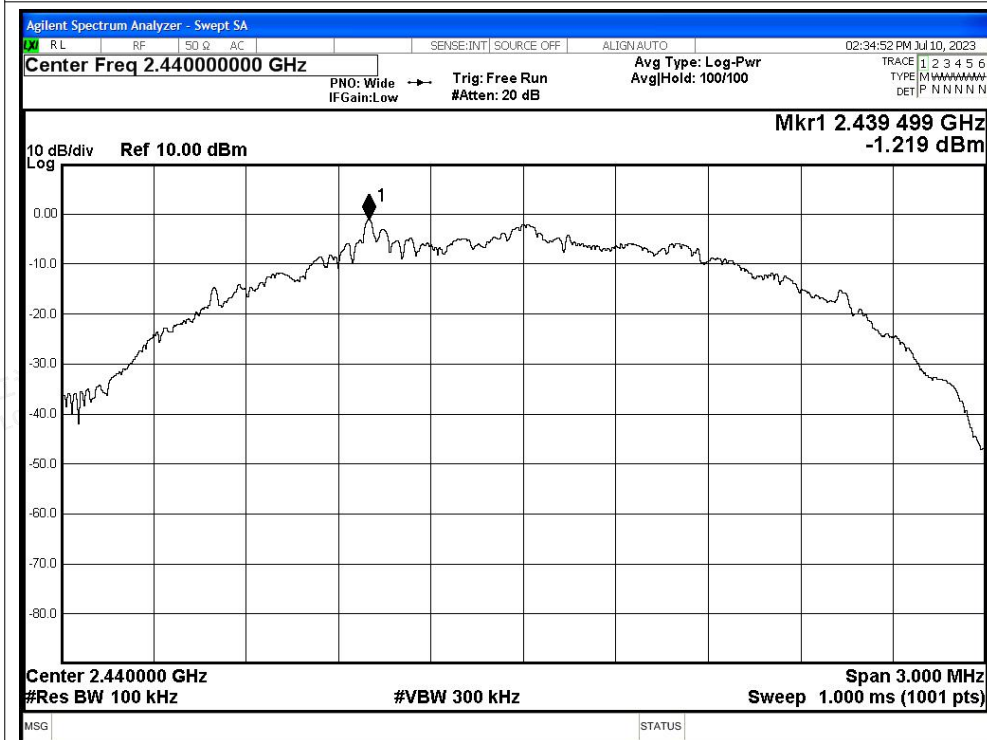
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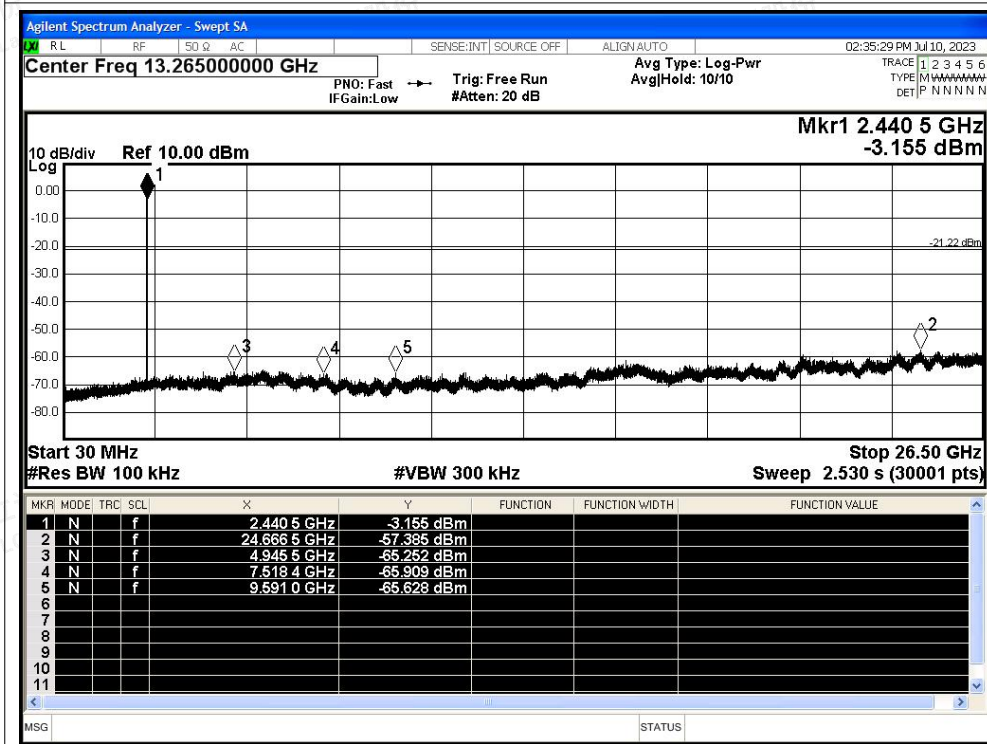
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Tx. Spurious NVNT BLE 2M 2440MHz Ant1 Ref



Tx. Spurious NVNT BLE 2M 2440MHz Ant1 Emission



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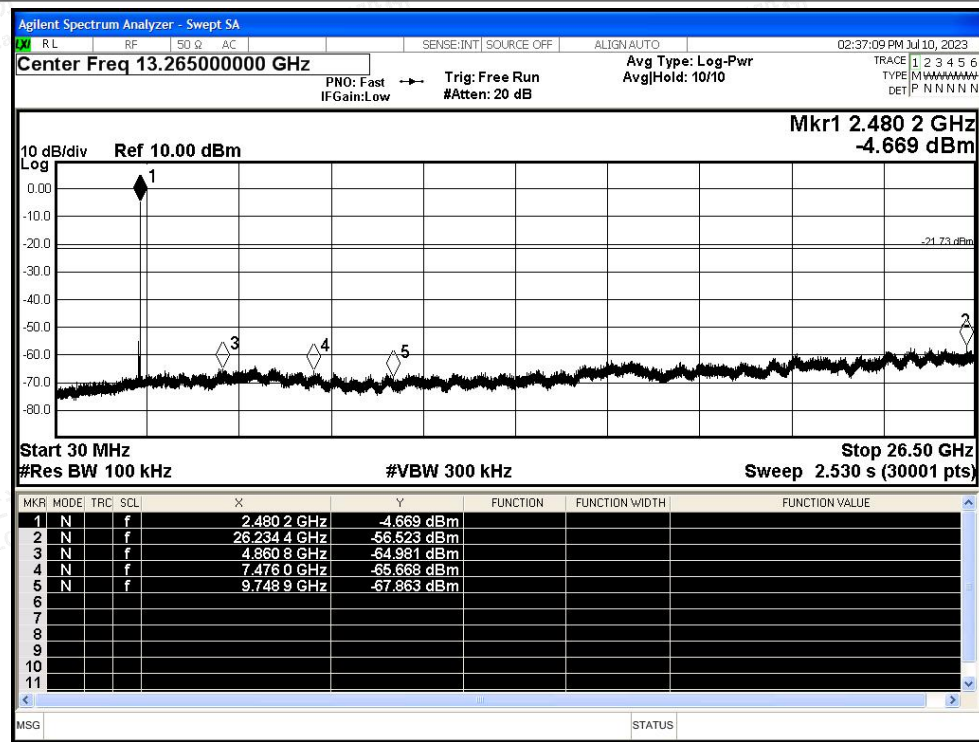
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Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Emission



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B.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 2M	2402	Ant1	98.1	0	1.21
NVNT	BLE 2M	2440	Ant1	65.92	1.81	1.21
NVNT	BLE 2M	2480	Ant1	65.96	1.81	1.21



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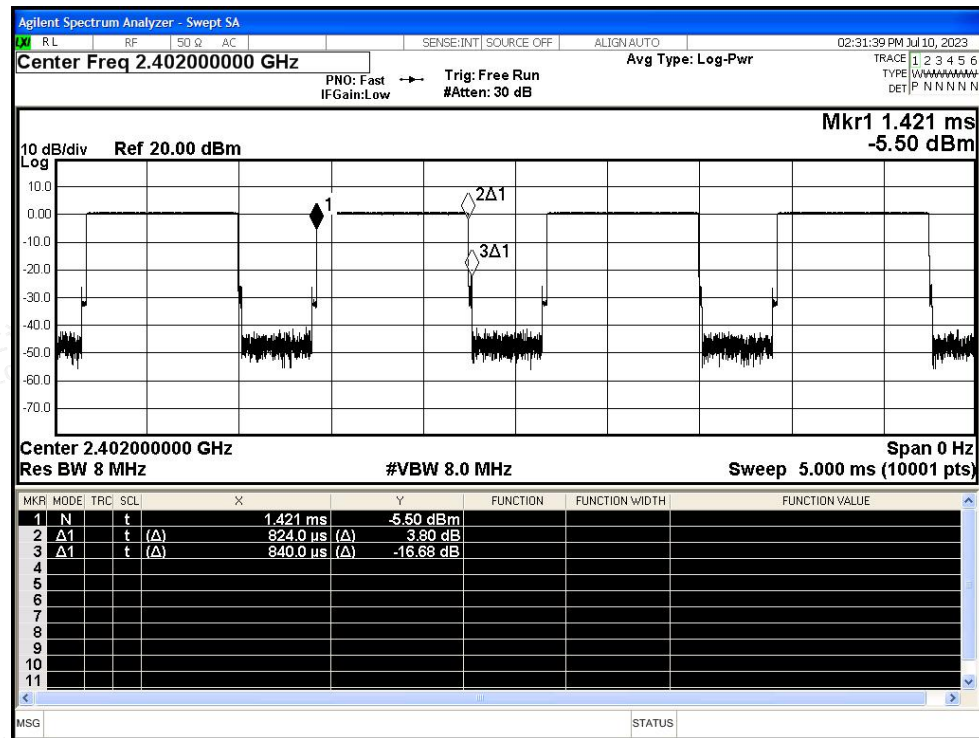
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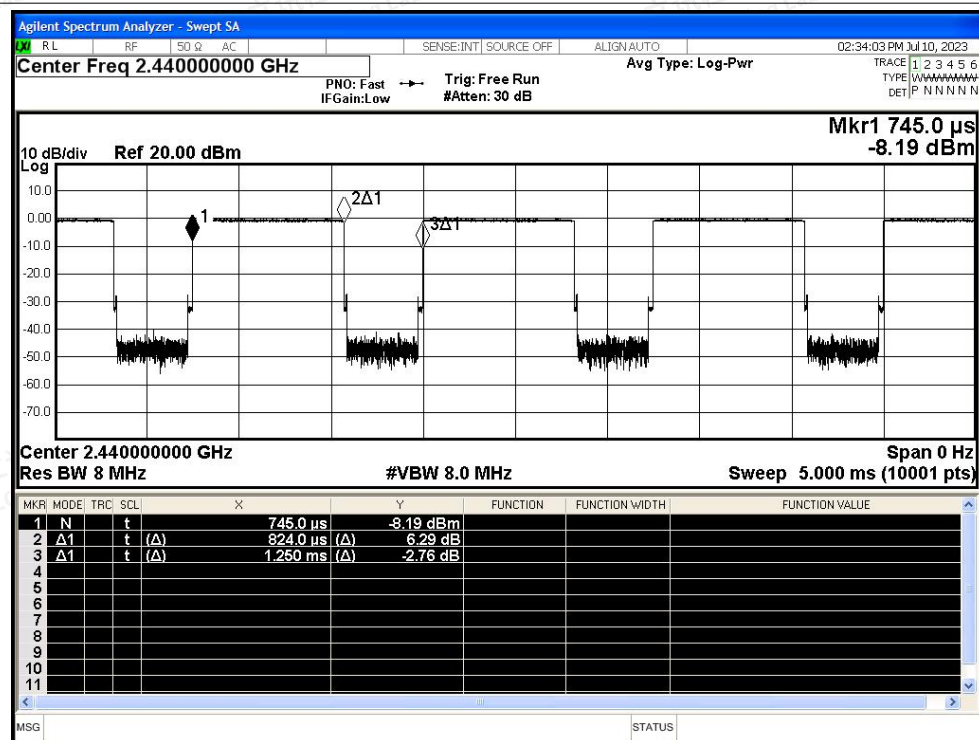


Test Graphs

Duty Cycle NVNT BLE 2M 2402MHz Ant1



Duty Cycle NVNT BLE 2M 2440MHz Ant1

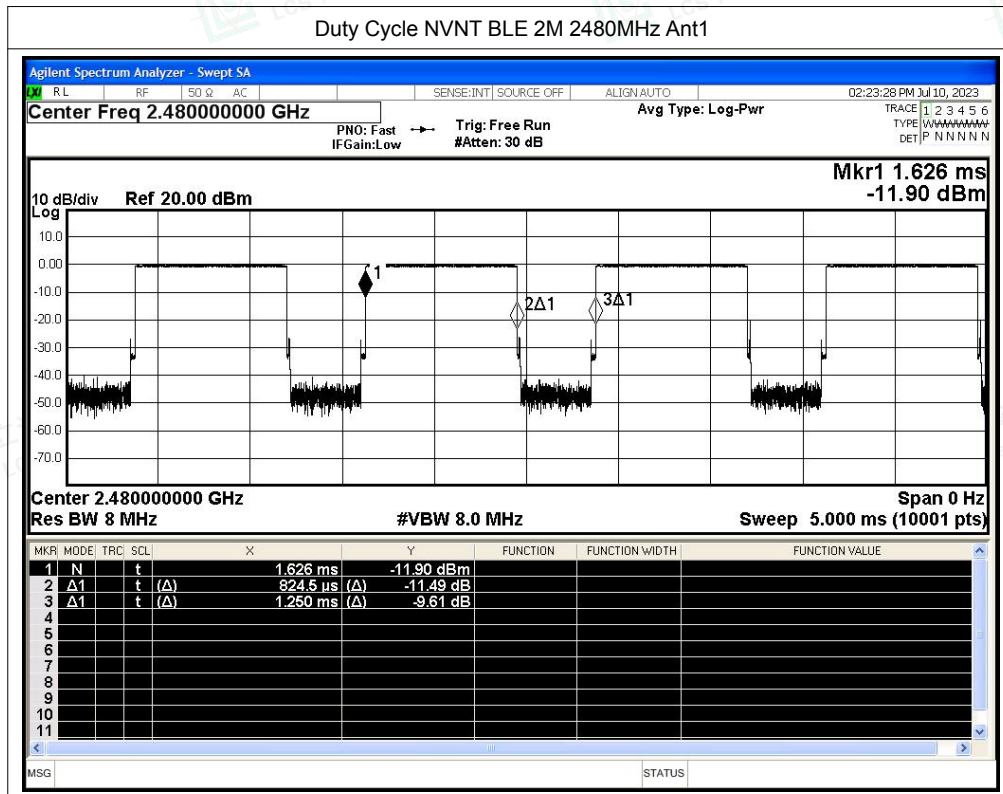


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B.7 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	BLE 2M	2402	Ant1	2310	-50.65	2	46.61	Peak	74	Pass
NVNT	BLE 2M	2402	Ant1	2310	-61.85	2	35.41	Average	54	Pass
NVNT	BLE 2M	2402	Ant1	2389.488	-49.64	2	47.62	Peak	74	Pass
NVNT	BLE 2M	2402	Ant1	2372.112	-60.85	2	36.41	Average	54	Pass
NVNT	BLE 2M	2402	Ant1	2390	-51.86	2	45.4	Peak	74	Pass
NVNT	BLE 2M	2402	Ant1	2390	-61.27	2	35.99	Average	54	Pass
NVNT	BLE 2M	2480	Ant1	2483.5	-48.44	2	48.82	Peak	74	Pass
NVNT	BLE 2M	2480	Ant1	2483.5	-60.49	2	36.77	Average	54	Pass
NVNT	BLE 2M	2480	Ant1	2483.68	-38.25	2	59.01	Peak	74	Pass
NVNT	BLE 2M	2480	Ant1	2483.632	-60.4	2	36.86	Average	54	Pass
NVNT	BLE 2M	2480	Ant1	2500	-52.08	2	45.18	Peak	74	Pass
NVNT	BLE 2M	2480	Ant1	2500	-61.05	2	36.21	Average	54	Pass



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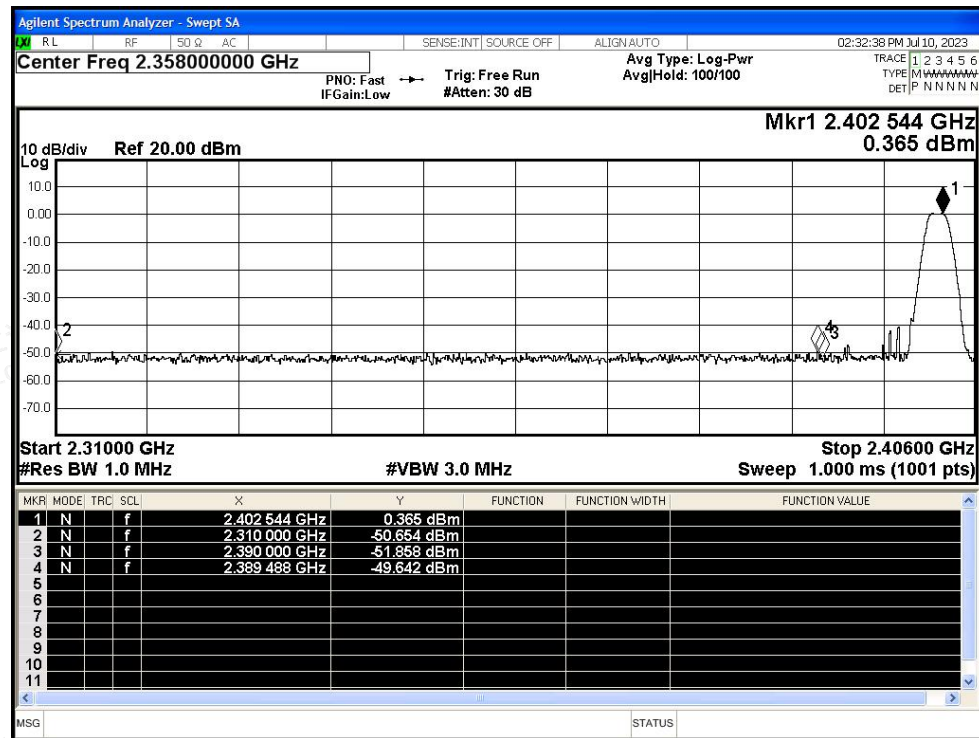
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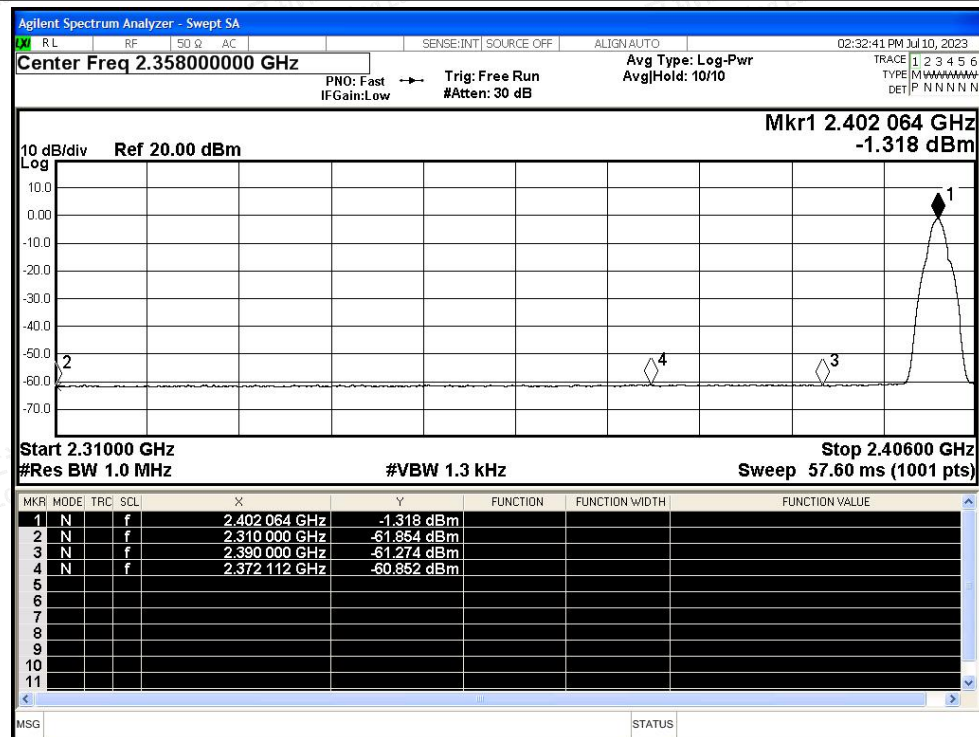


Test Graphs

Restrict Band NVNT BLE 2M 2402MHz Ant1 Peak



Restrict Band NVNT BLE 2M 2402MHz Ant1 Average



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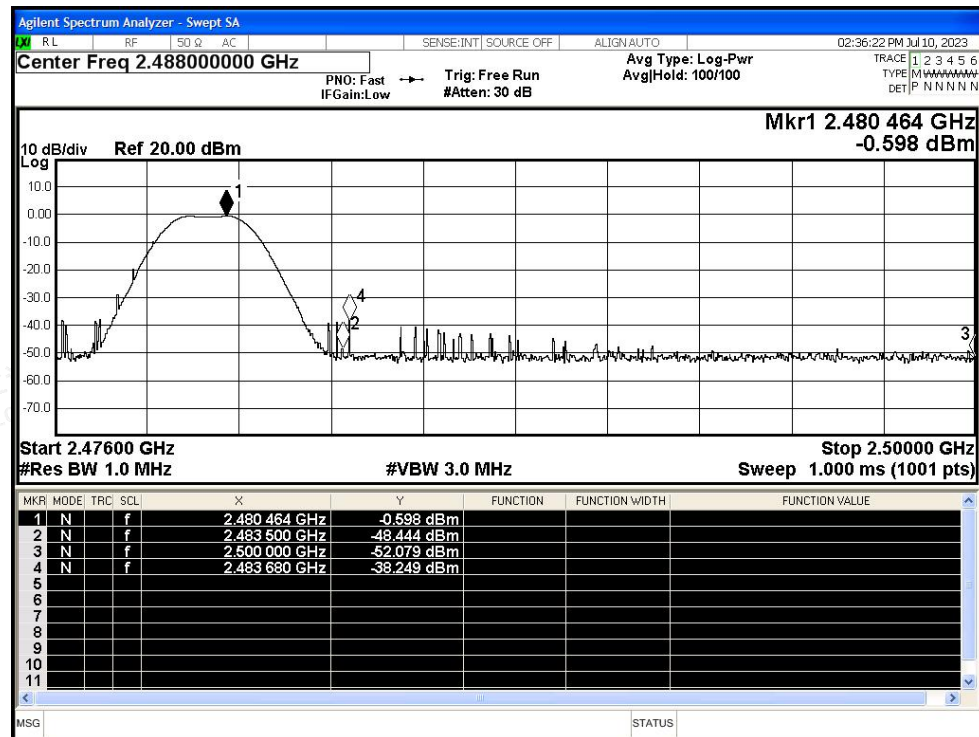
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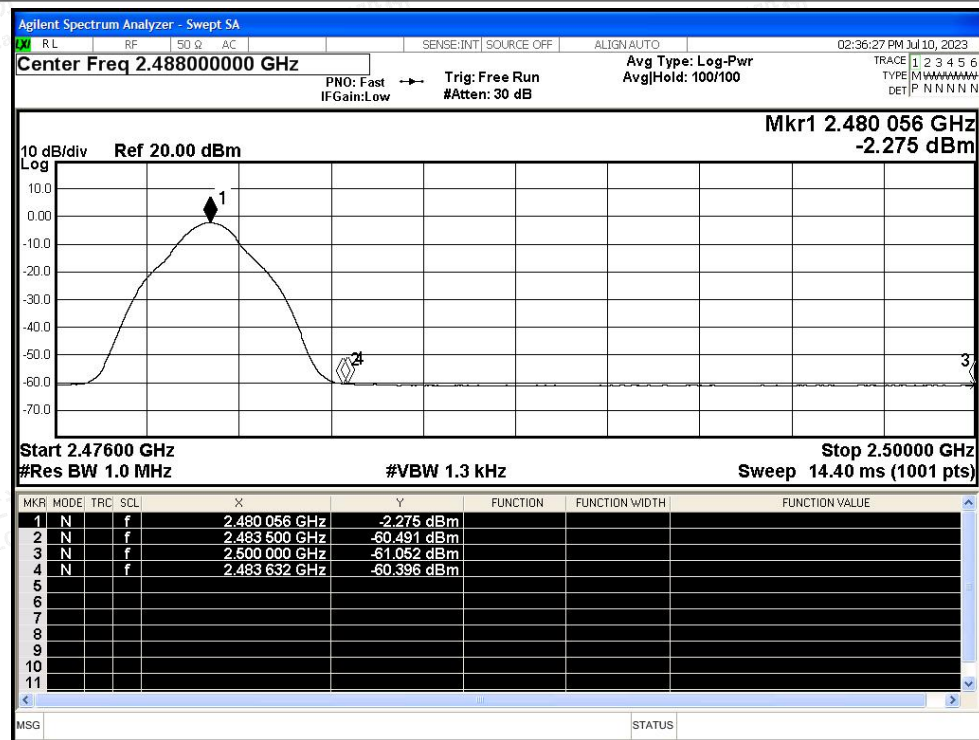
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Restrict Band NVNT BLE 2M 2480MHz Ant1 Peak



Restrict Band NVNT BLE 2M 2480MHz Ant1 Average



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