



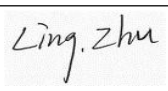
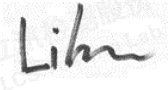
Appendix A

RF Test Data for BT LE (Conducted Measurement)

Product Name: Phone Watch

Test Model: 8688

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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A.1 -6dB Bandwidth

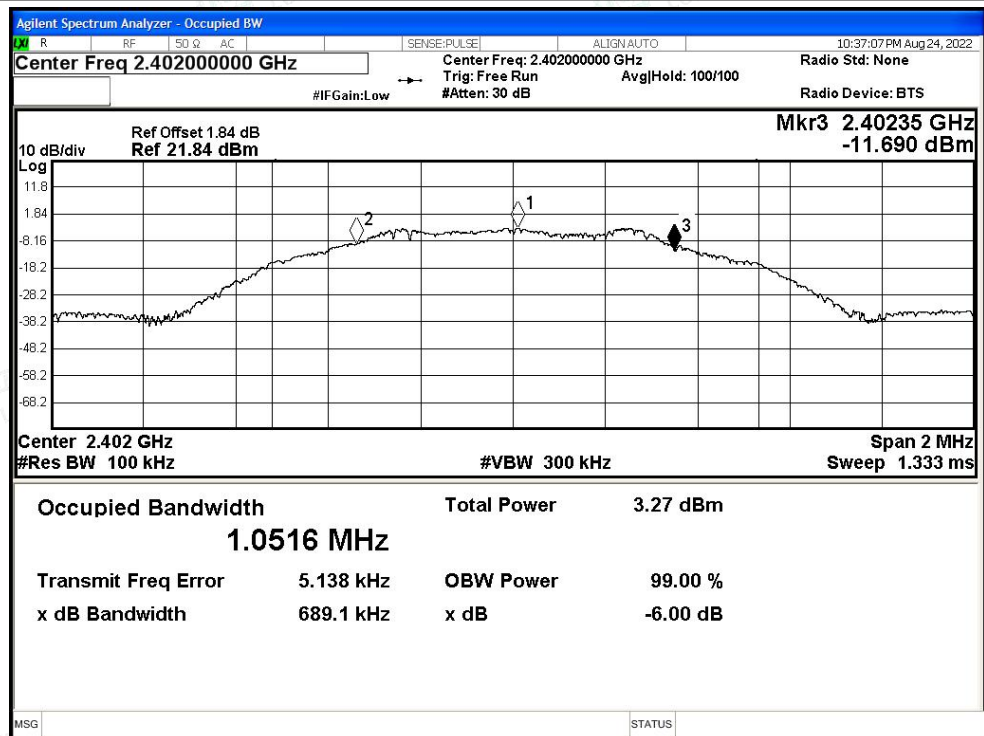
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.689	≥ 0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.656	≥ 0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.65	≥ 0.5	Pass



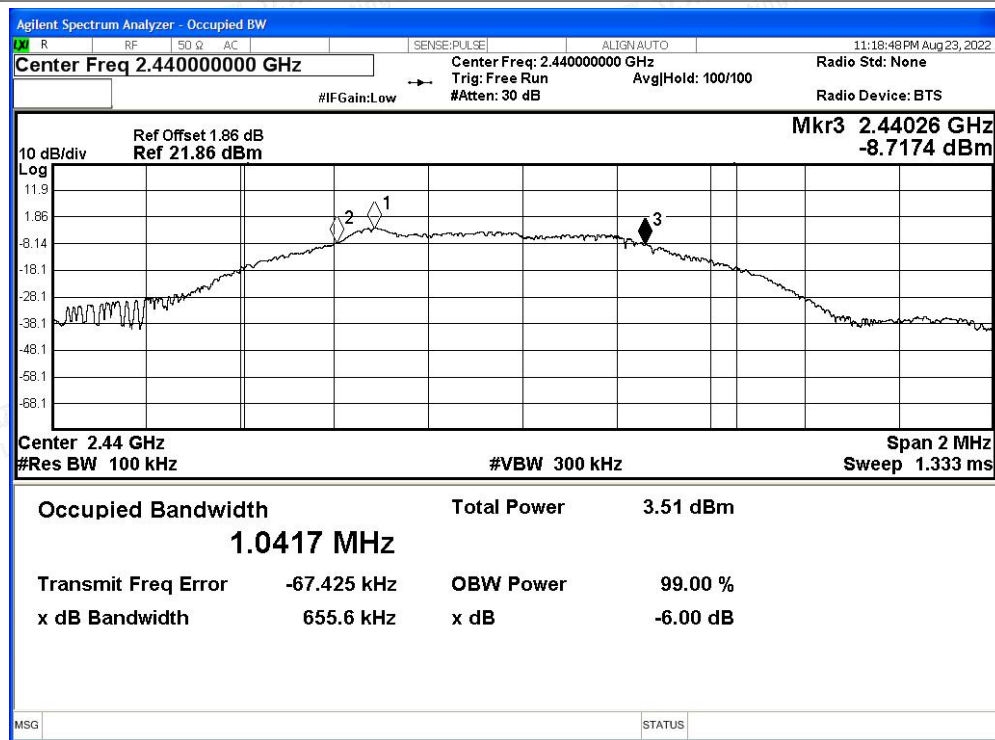


Test Graphs

-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1

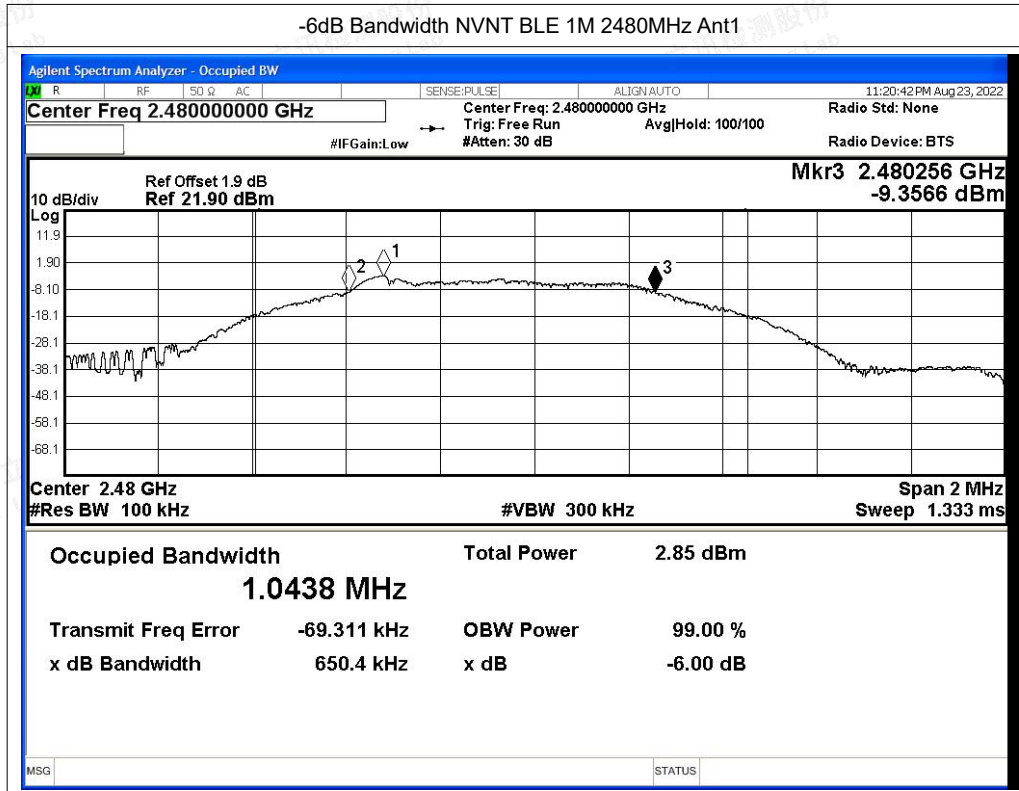


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A.2 Maximum Peak Conducted Output Power

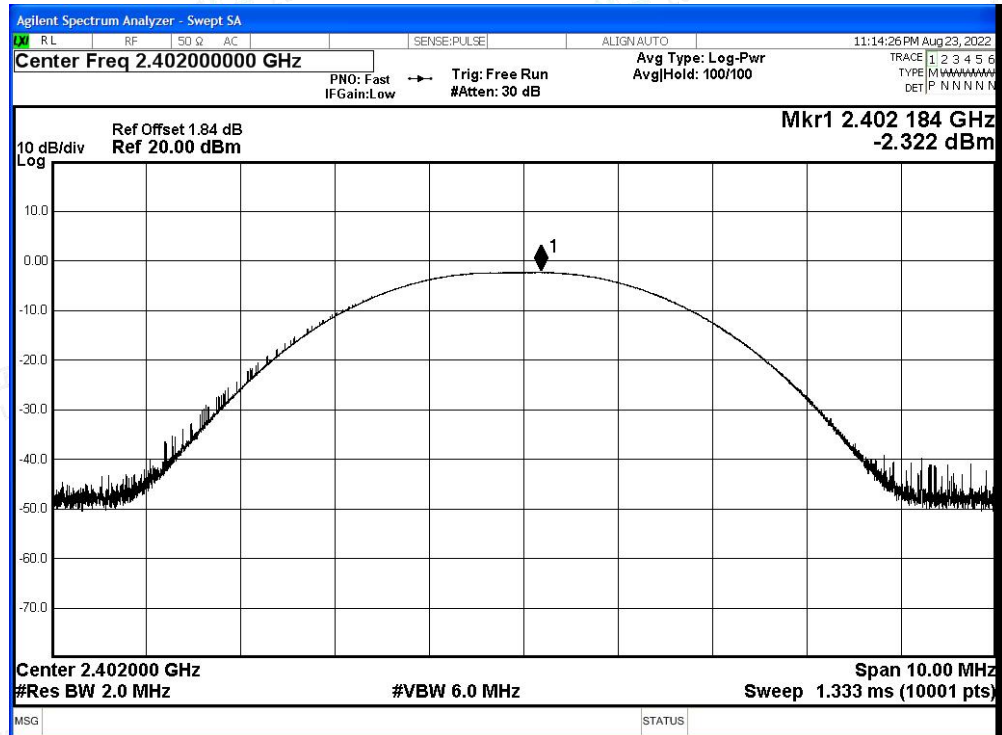
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-2.32	0	-2.32	30	Pass
NVNT	BLE 1M	2440	Ant1	-2.19	0	-2.19	30	Pass
NVNT	BLE 1M	2480	Ant1	-2.89	0	-2.89	30	Pass



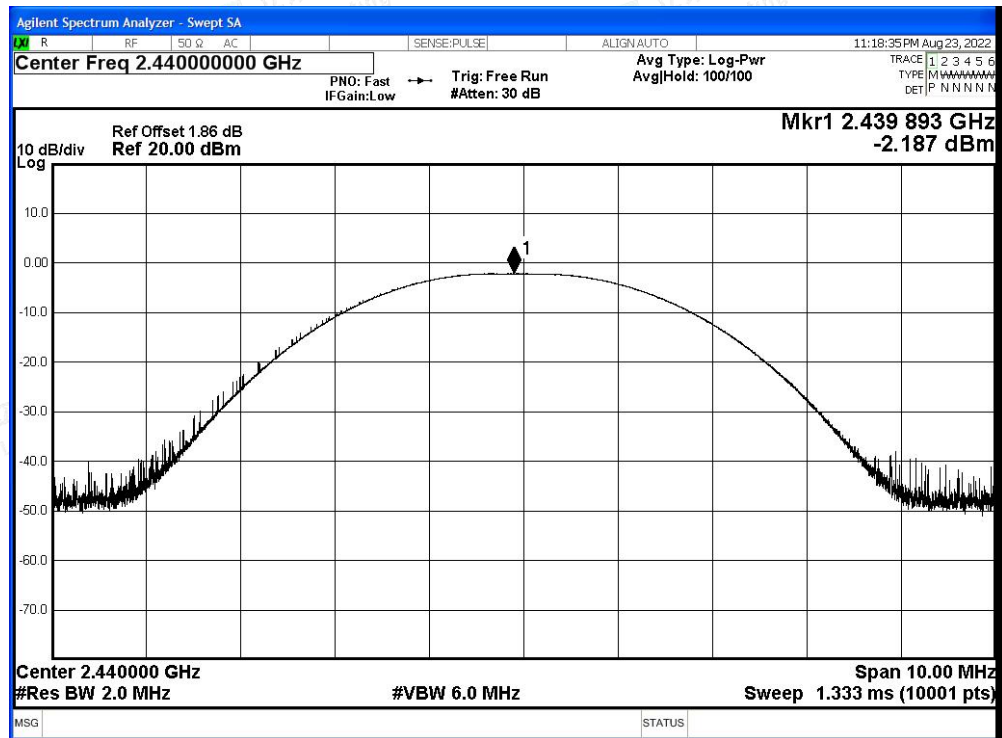


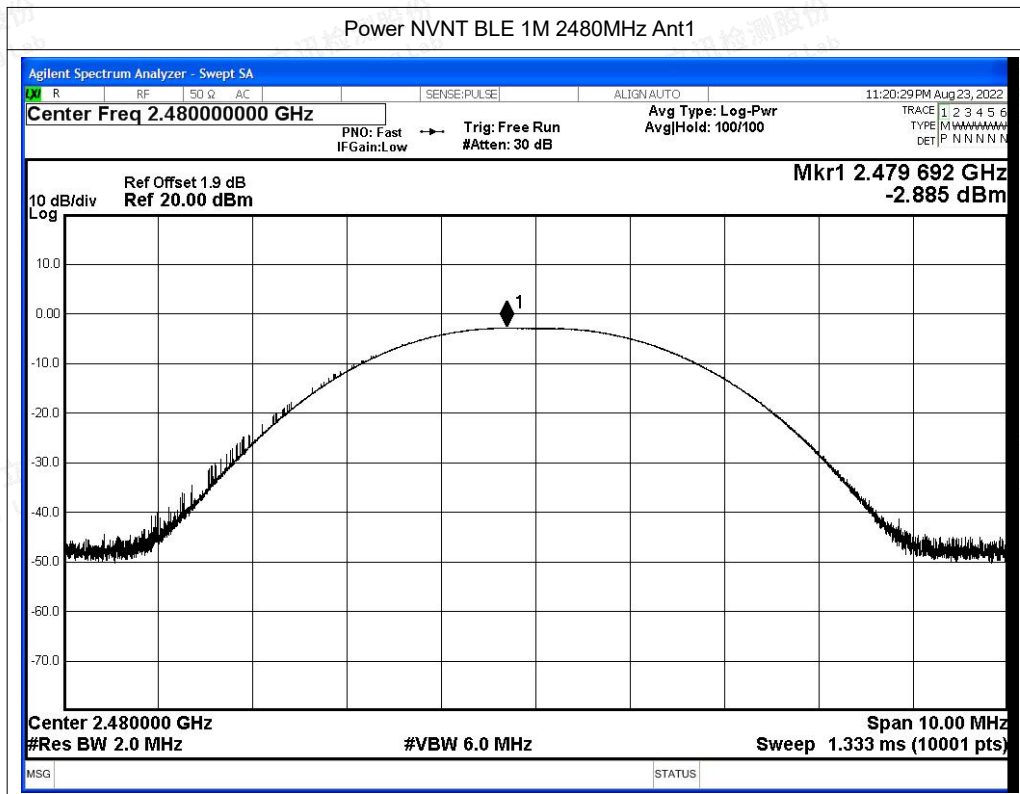
Test Graphs

Power NVNT BLE 1M 2402MHz Ant1



Power NVNT BLE 1M 2440MHz Ant1







A.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-17.42	0	-17.42	8	Pass
NVNT	BLE 1M	2440	Ant1	-17.03	0	-17.03	8	Pass
NVNT	BLE 1M	2480	Ant1	-16.83	0	-16.83	8	Pass

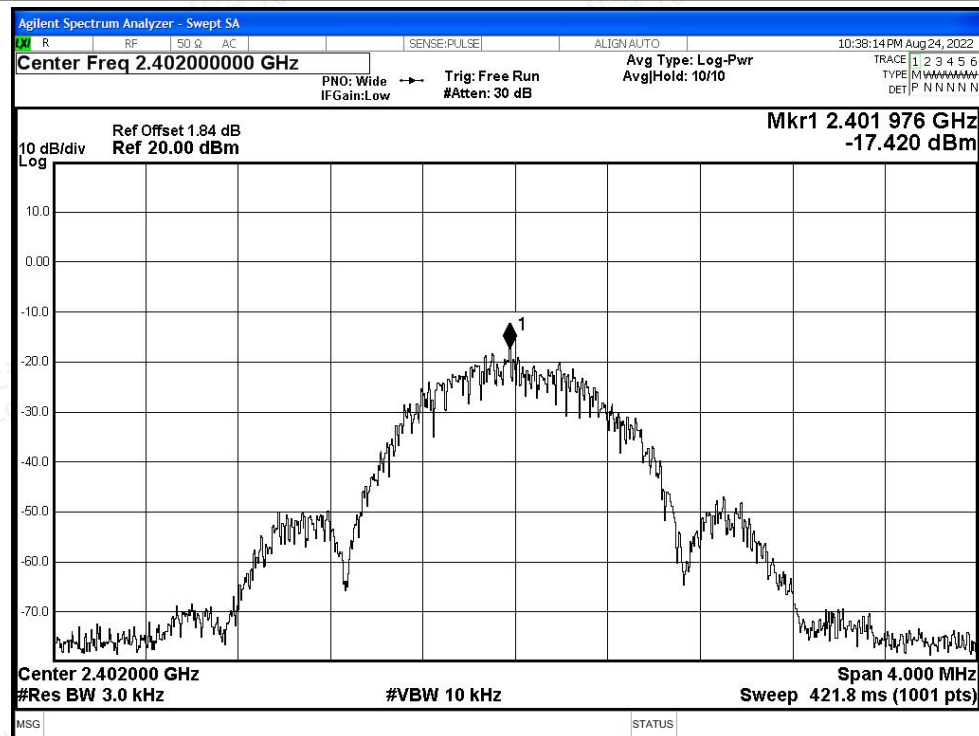


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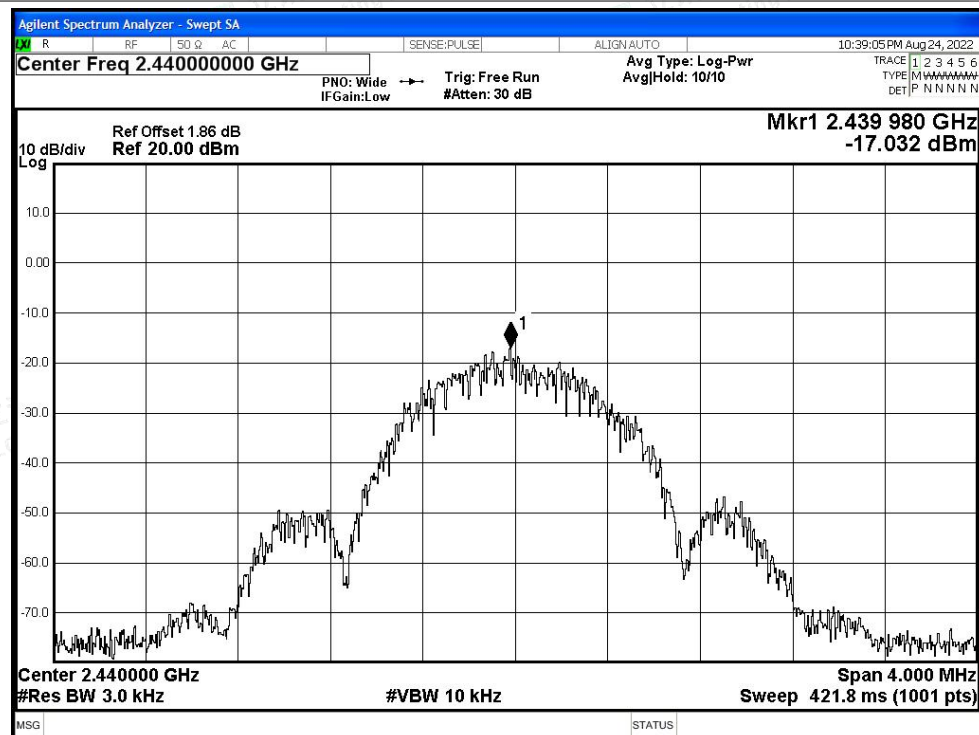


Test Graphs

PSD NVNT BLE 1M 2402MHz Ant1



PSD NVNT BLE 1M 2440MHz Ant1

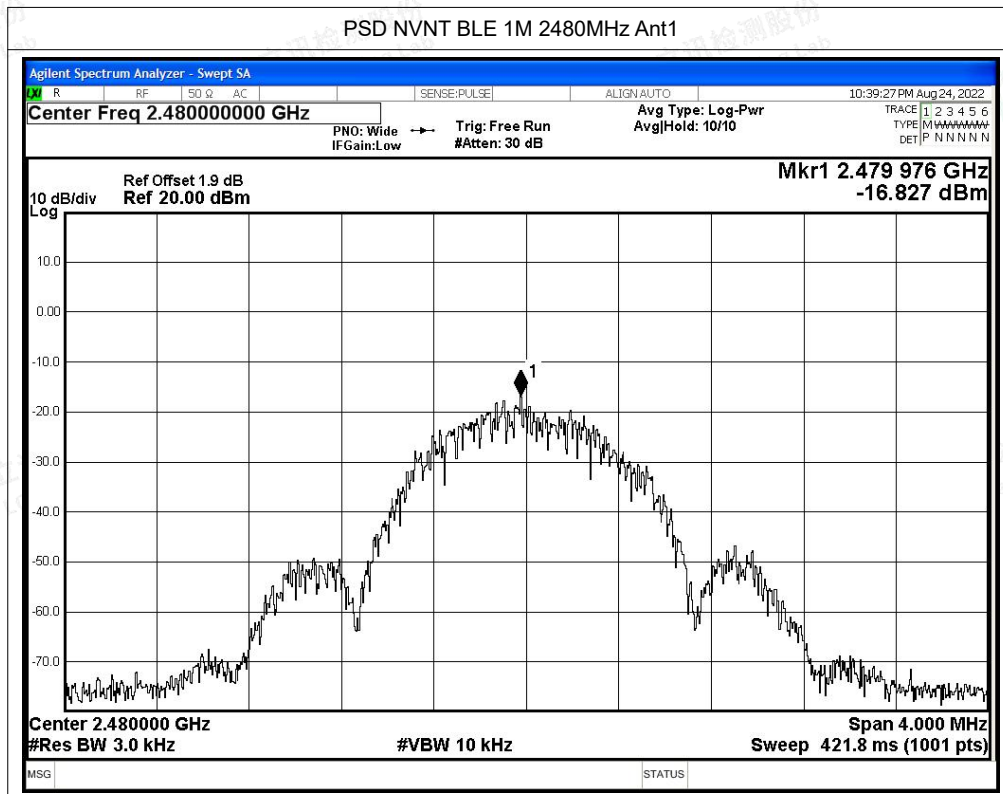


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A.4 Band Edge

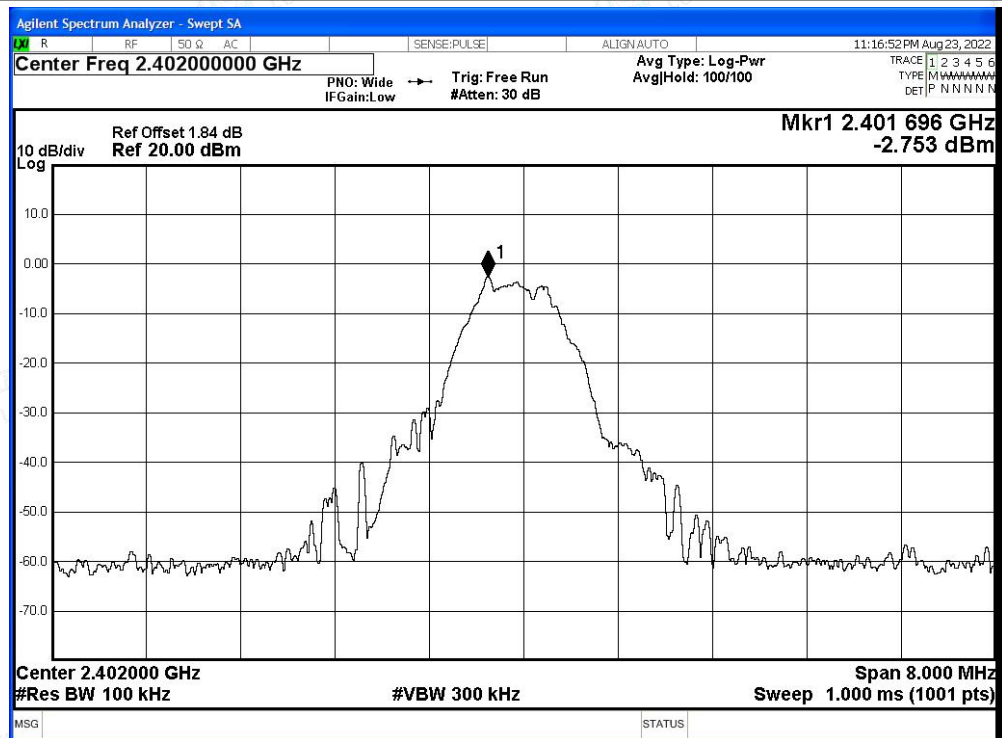
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-54.55	-20	Pass
NVNT	BLE 1M	2480	Ant1	-54.21	-20	Pass



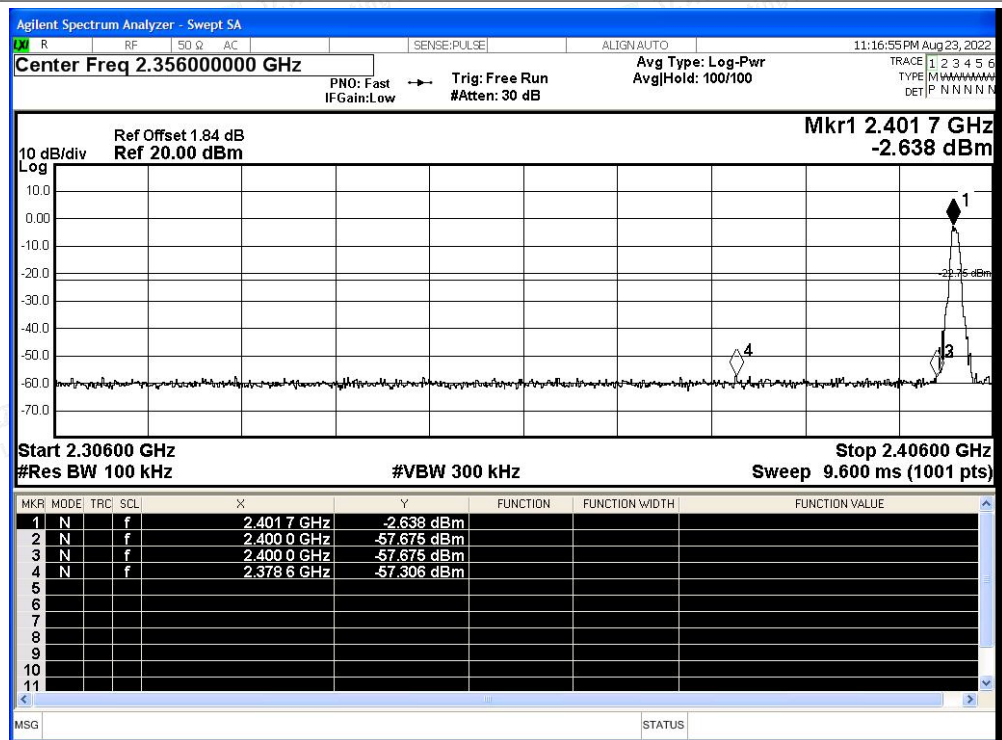


Test Graphs

Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

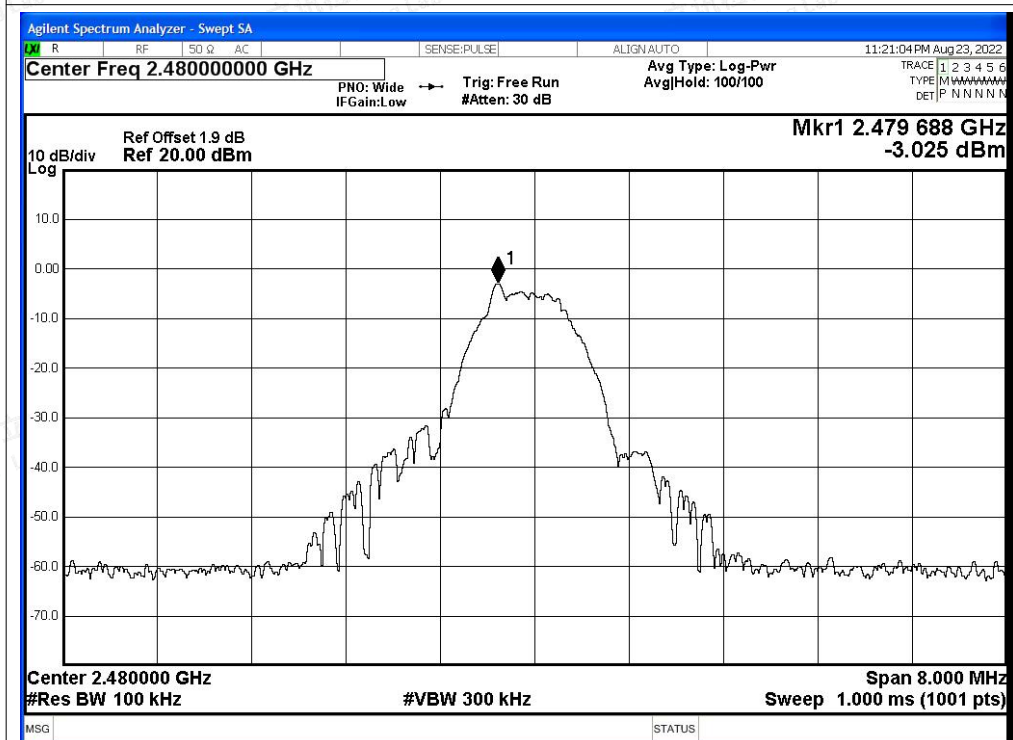
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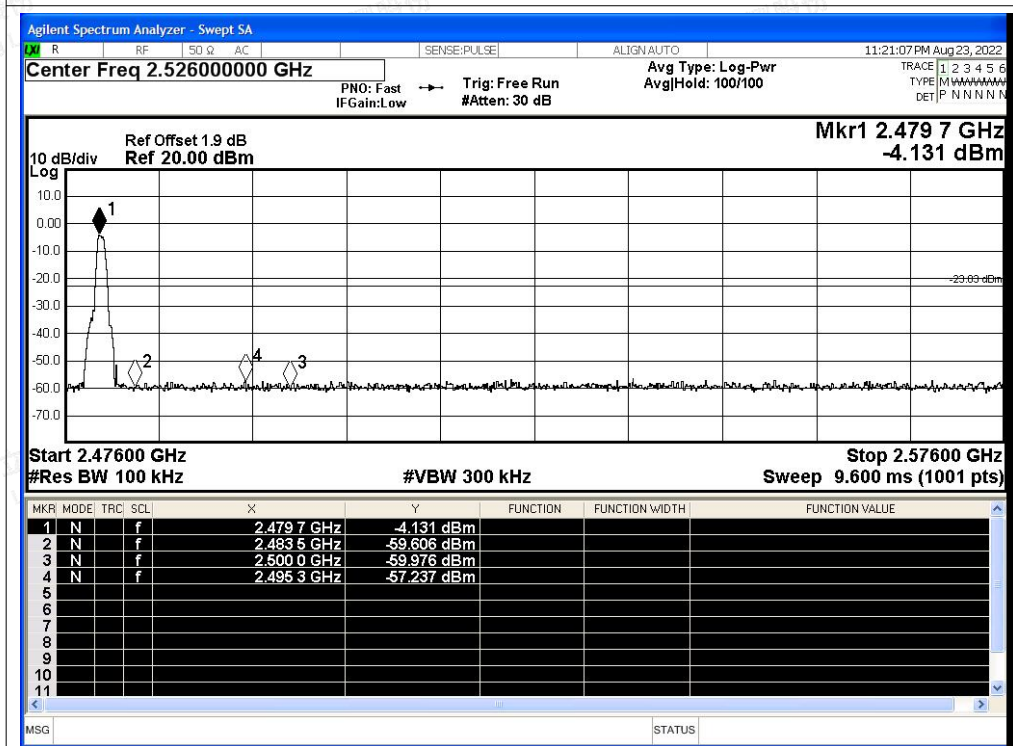
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Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



Band Edge NVNT BLE 1M 2480MHz Ant1 Emission



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A.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-53.38	-20	Pass
NVNT	BLE 1M	2440	Ant1	-47.6	-20	Pass
NVNT	BLE 1M	2480	Ant1	-52.87	-20	Pass

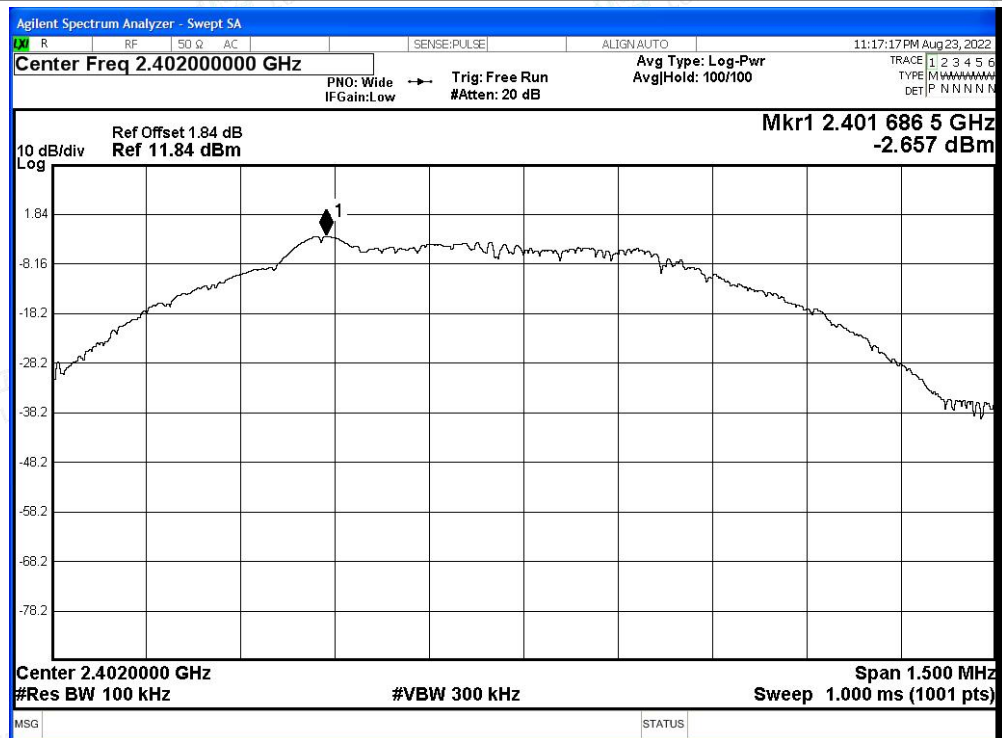


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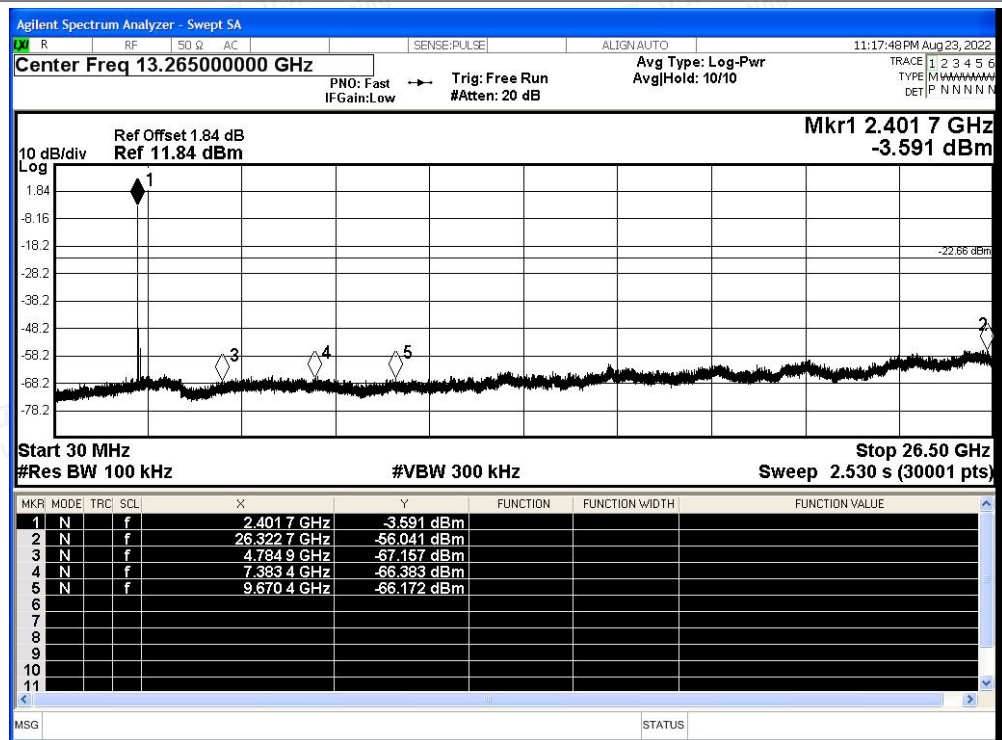


Test Graphs

Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

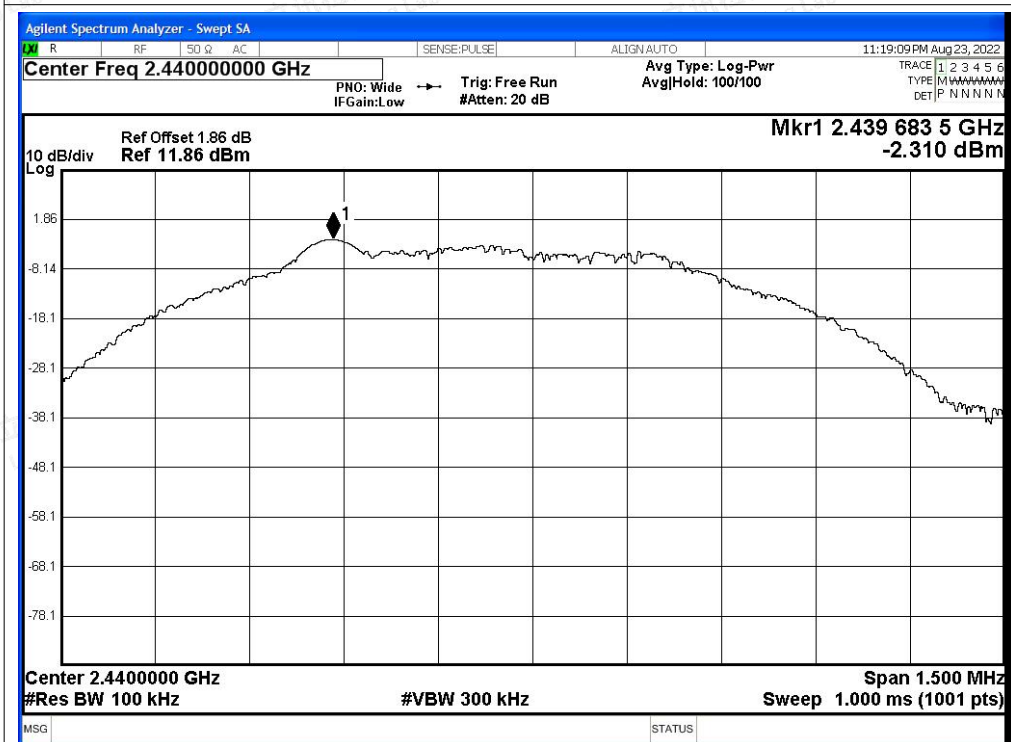
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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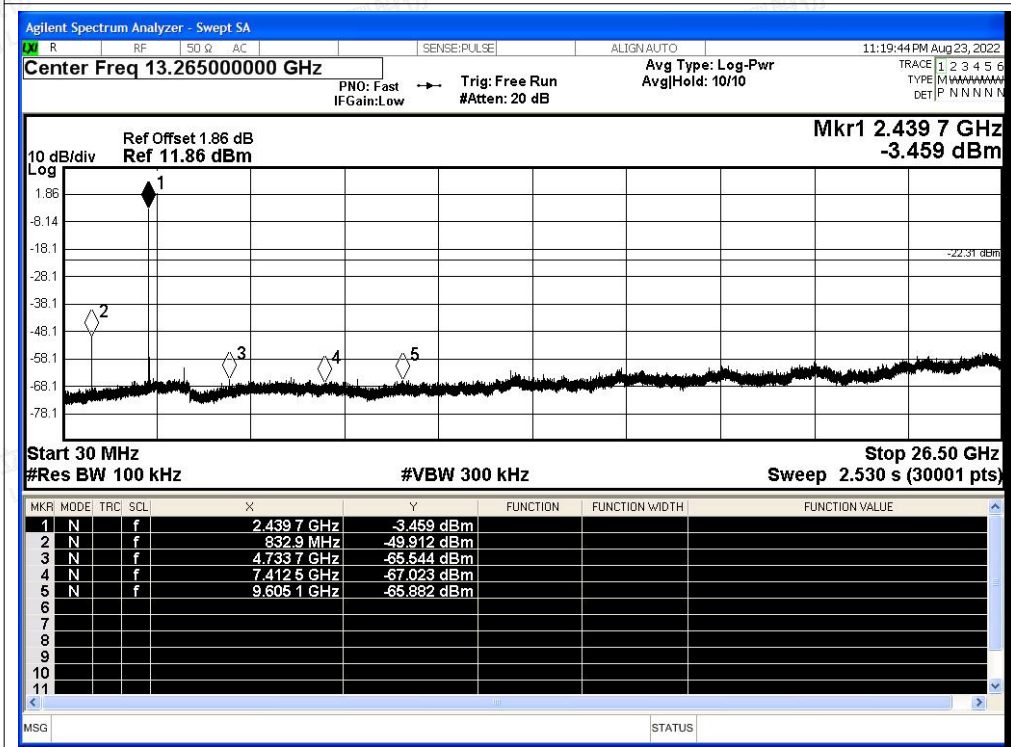
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Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission



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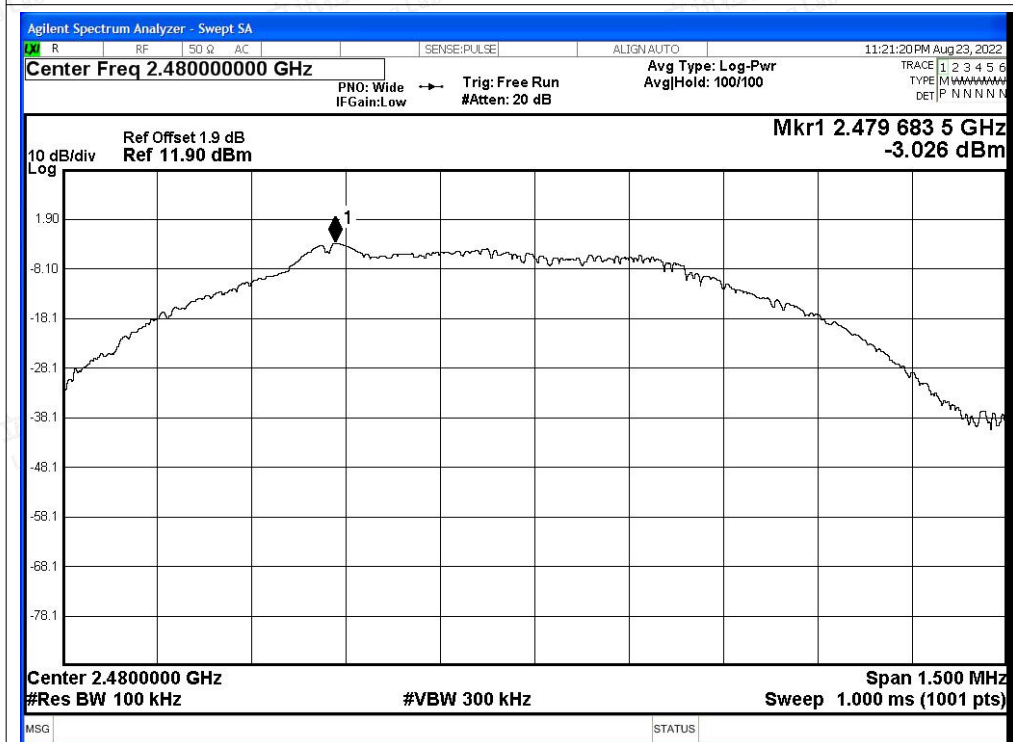
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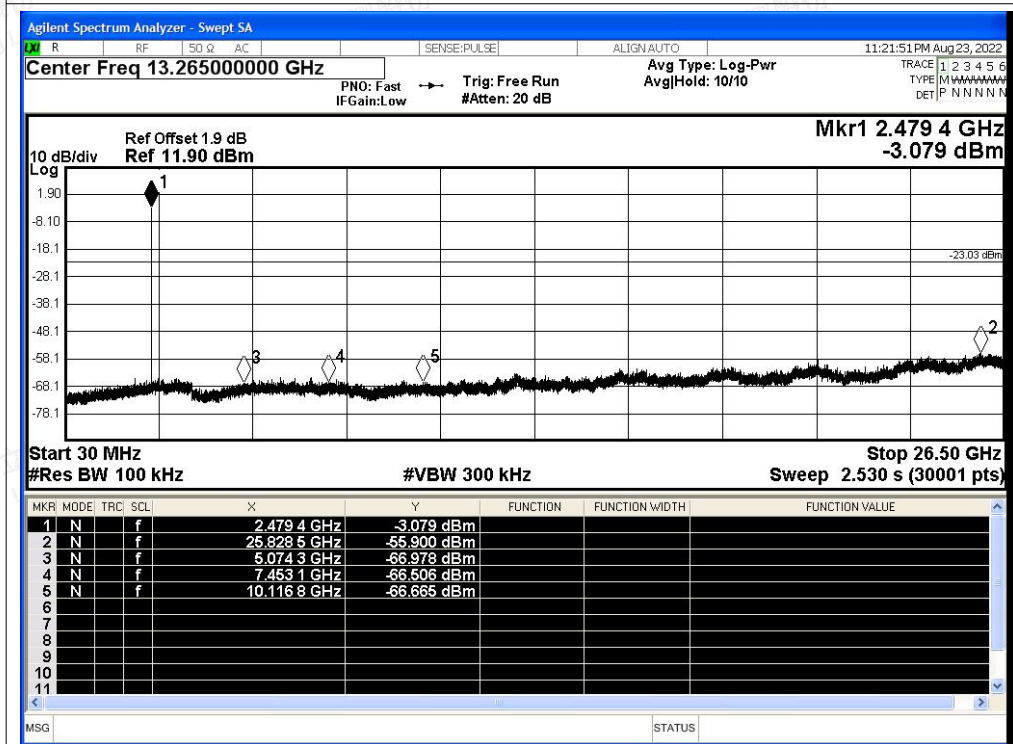
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Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission



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A.6 Duty Cycle

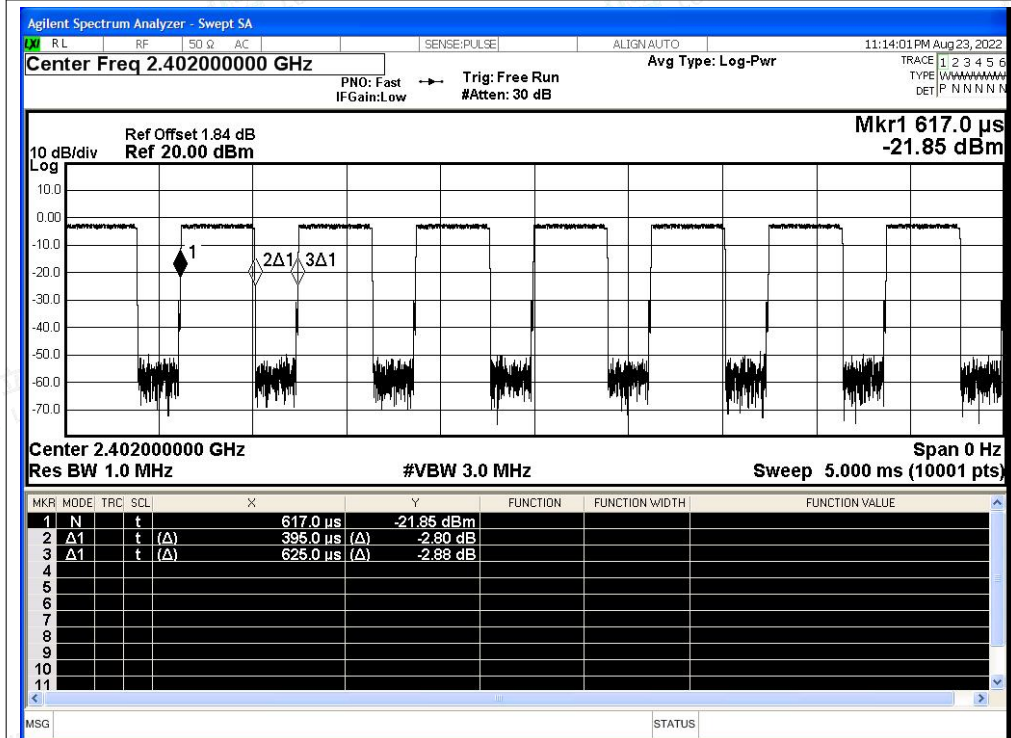
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	63.2	1.99	2.53
NVNT	BLE 1M	2440	Ant1	63.07	2	2.53
NVNT	BLE 1M	2480	Ant1	63.07	2	2.53



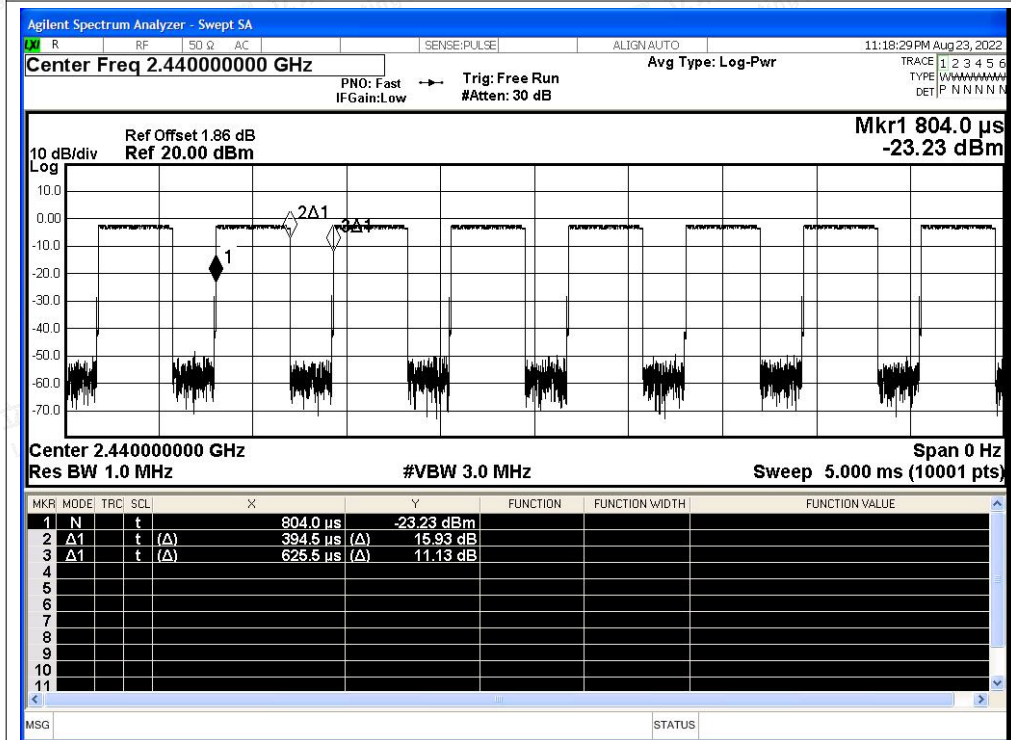


Test Graphs

Duty Cycle NVNT BLE 1M 2402MHz Ant1



Duty Cycle NVNT BLE 1M 2440MHz Ant1

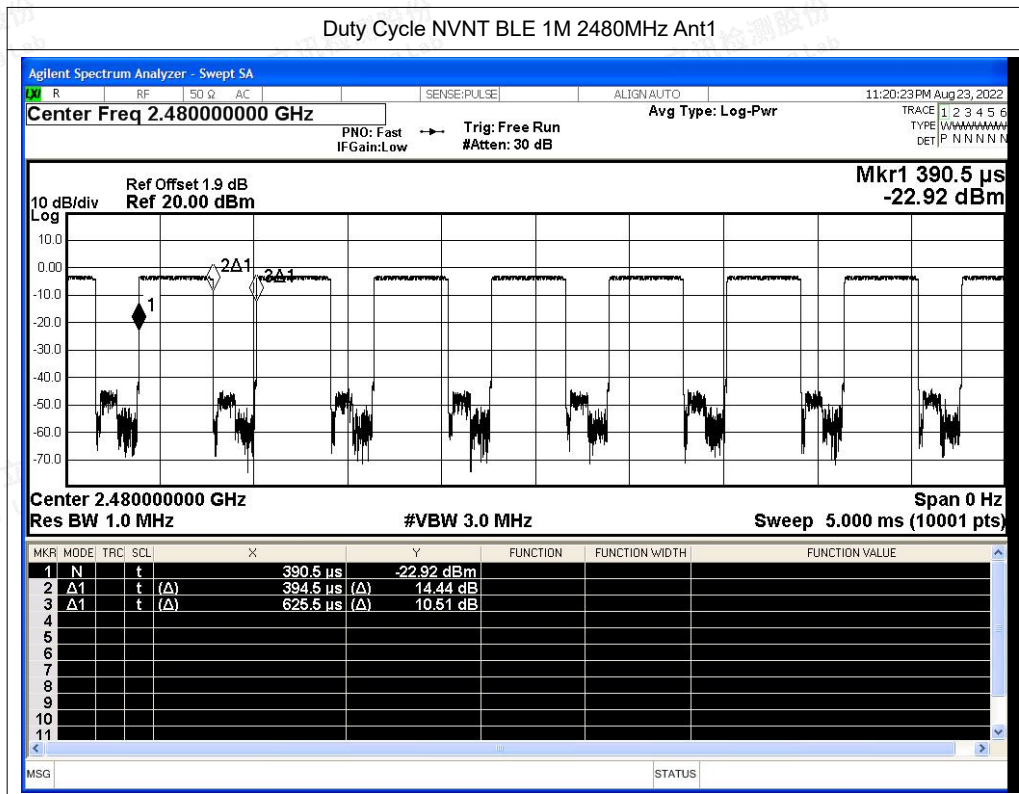


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A.7 Restrict Band

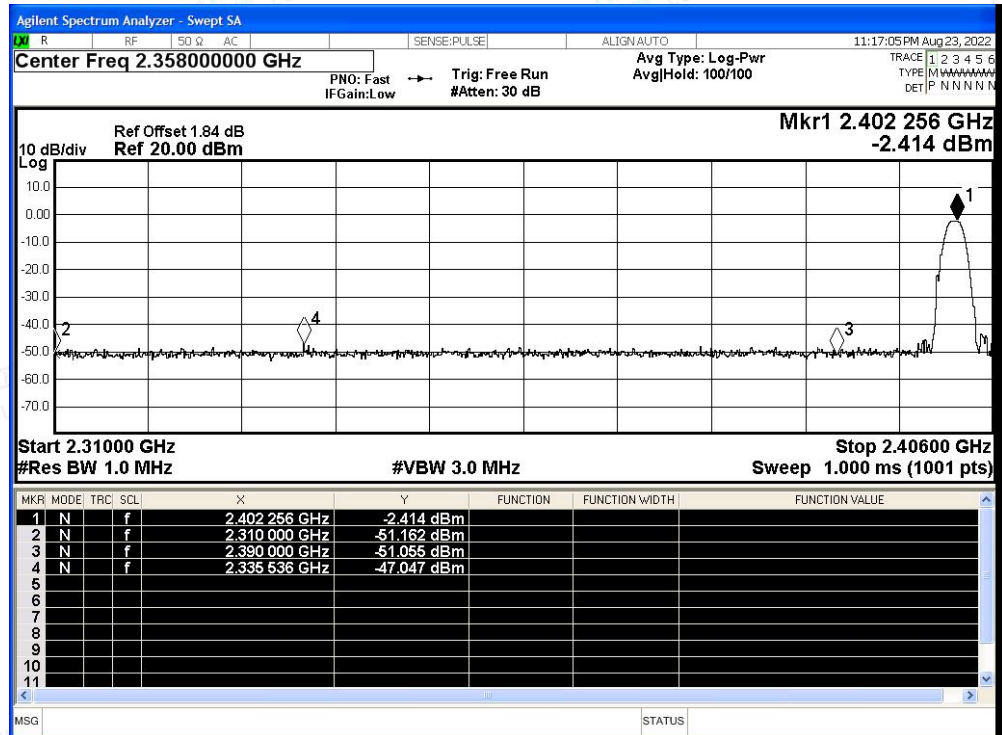
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	BLE 1M	2402	Ant1	2310	-51.16	2	46.1	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2310	-60.01	2	37.25	Average	54	Pass
NVNT	BLE 1M	2402	Ant1	2335.536	-47.05	2	50.21	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2379.216	-59.17	2	38.09	Average	54	Pass
NVNT	BLE 1M	2402	Ant1	2390	-50.94	2	46.32	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2390	-59.47	2	37.79	Average	54	Pass
NVNT	BLE 1M	2480	Ant1	2483.5	-50.86	2	46.4	Peak	74	Pass
NVNT	BLE 1M	2480	Ant1	2483.5	-59.27	2	37.99	Average	54	Pass
NVNT	BLE 1M	2480	Ant1	2493.928	-47.2	2	50.06	Peak	74	Pass
NVNT	BLE 1M	2480	Ant1	2498.272	-58.7	2	38.56	Average	54	Pass
NVNT	BLE 1M	2480	Ant1	2500	-49.29	2	47.97	Peak	74	Pass
NVNT	BLE 1M	2480	Ant1	2500	-59.28	2	37.98	Average	54	Pass



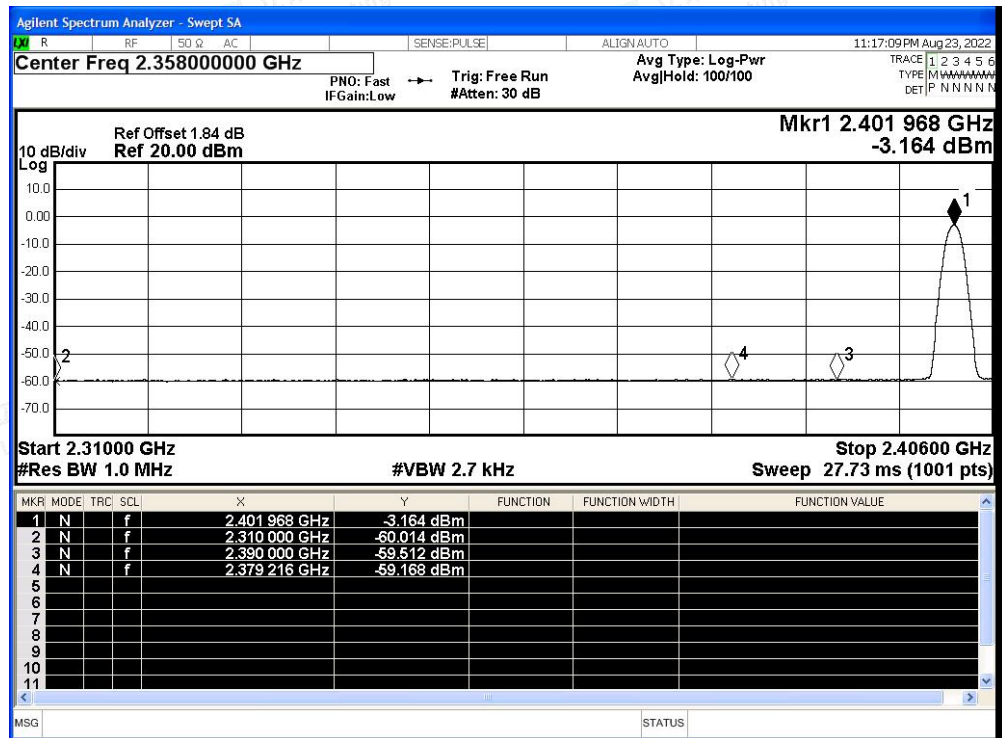


Test Graphs

Restrict Band NVNT BLE 1M 2402MHz Ant1 Peak



Restrict Band NVNT BLE 1M 2402MHz Ant1 Average



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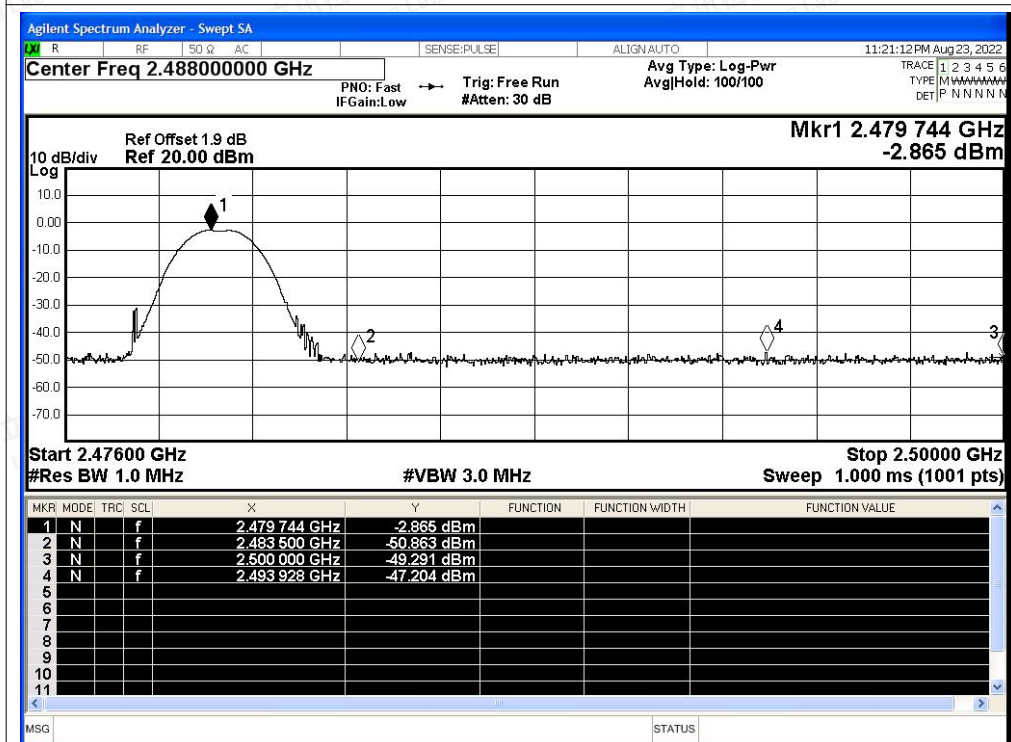
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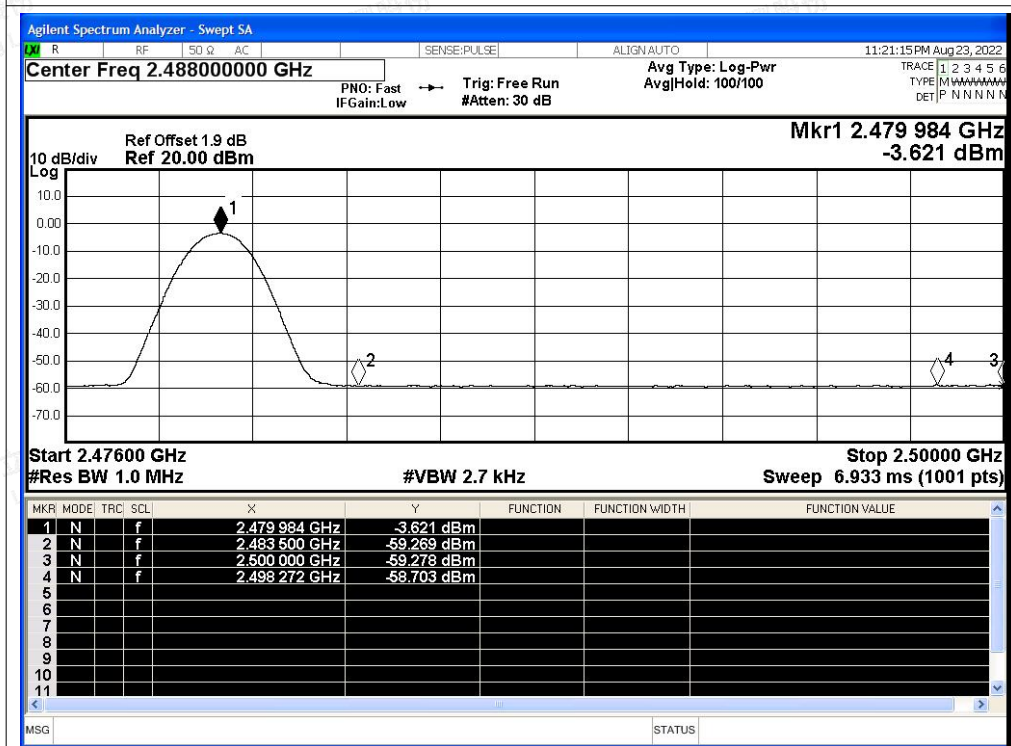
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Restrict Band NVNT BLE 1M 2480MHz Ant1 Peak



Restrict Band NVNT BLE 1M 2480MHz Ant1 Average



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