



Appendix A

RF Test Data for BT LE (Conducted Measurement)

Product Name: Wireless Gaming Controller

Test Model: PXN-P6

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Li Huan





A.1 6dB Bandwidth

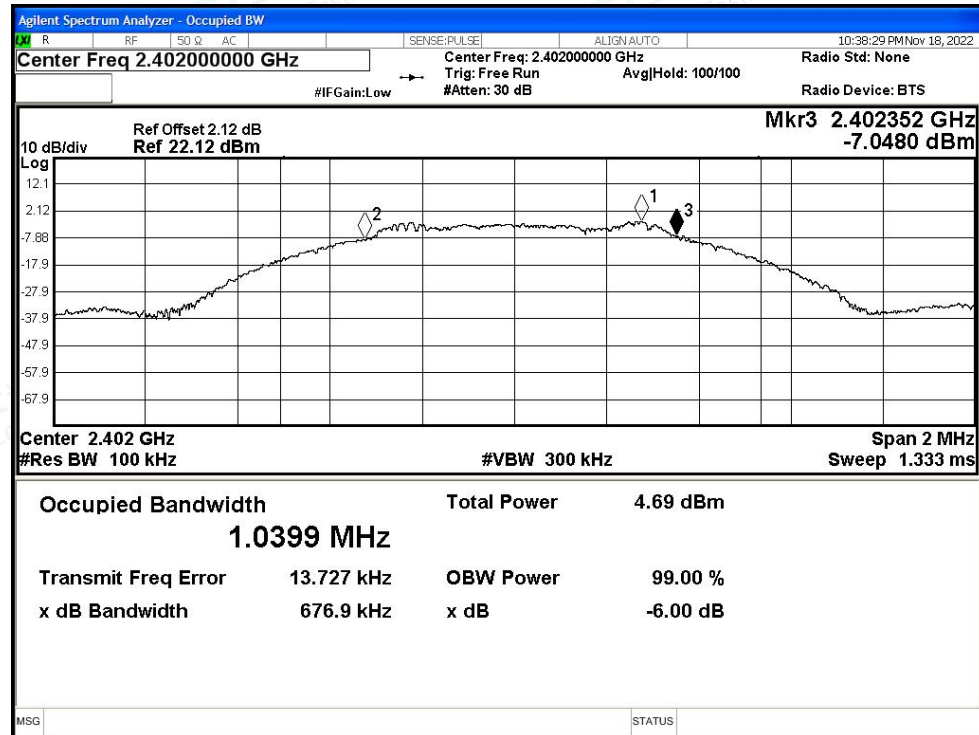
Condition	Mode	Frequency (MHz)	Antenna	6 dB Bandwidth (MHz)	Limit 6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.677	≥ 0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.691	≥ 0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.688	≥ 0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.278	≥ 0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.269	≥ 0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.268	≥ 0.5	Pass



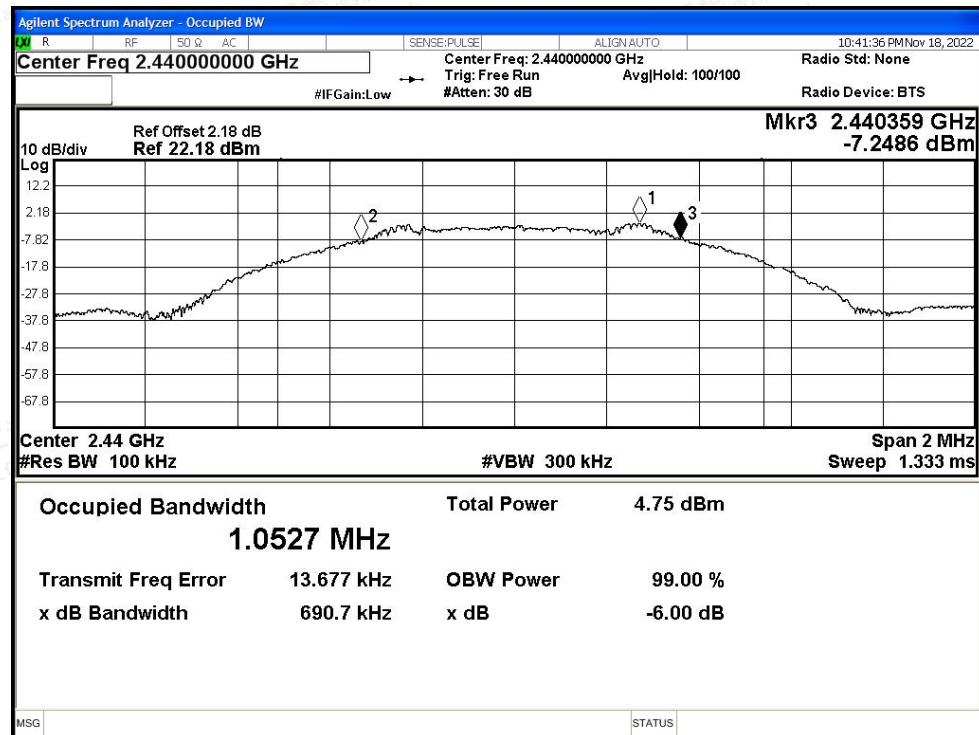


Test Graphs

6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



6dB Bandwidth NVNT BLE 1M 2440MHz Ant1



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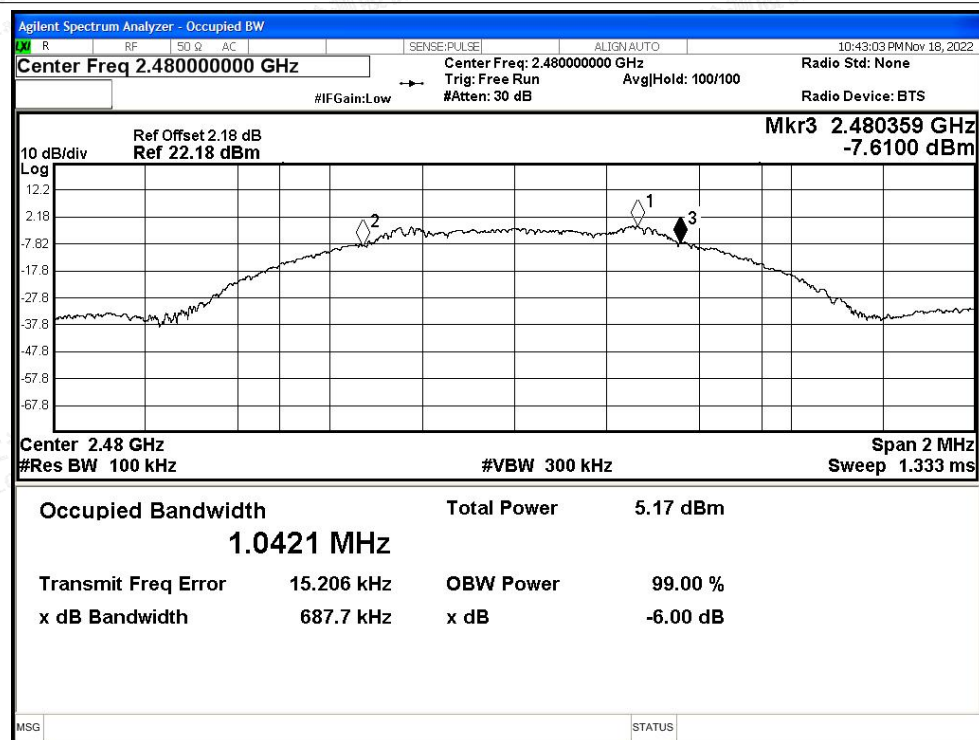
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

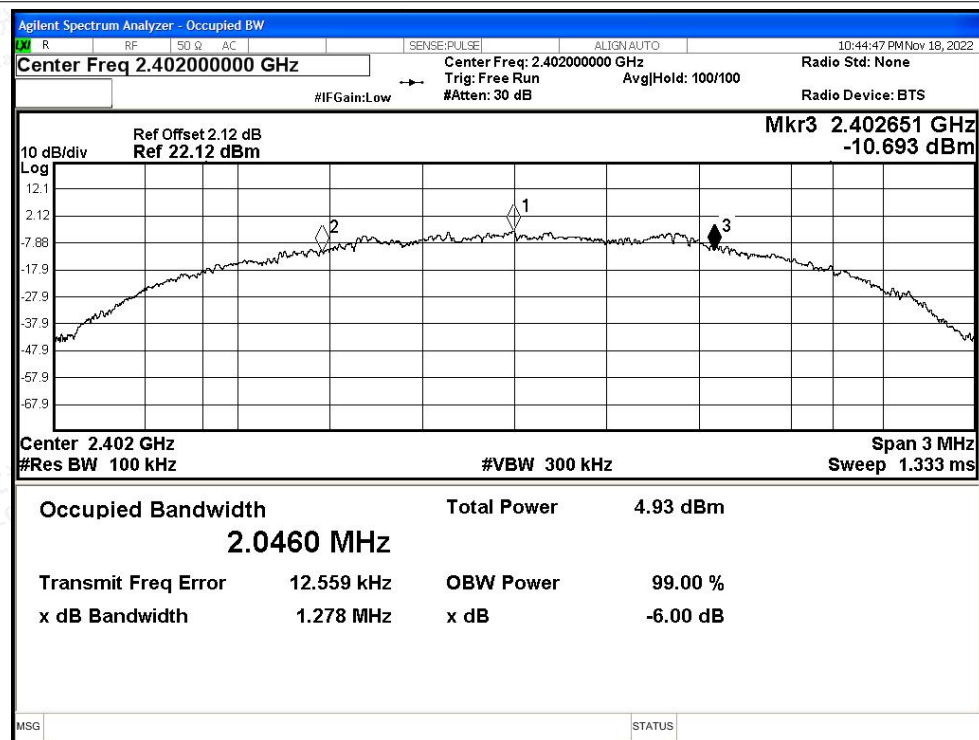
Scan code to check authenticity



6dB Bandwidth NVNT BLE 1M 2480MHz Ant1



6dB Bandwidth NVNT BLE 2M 2402MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

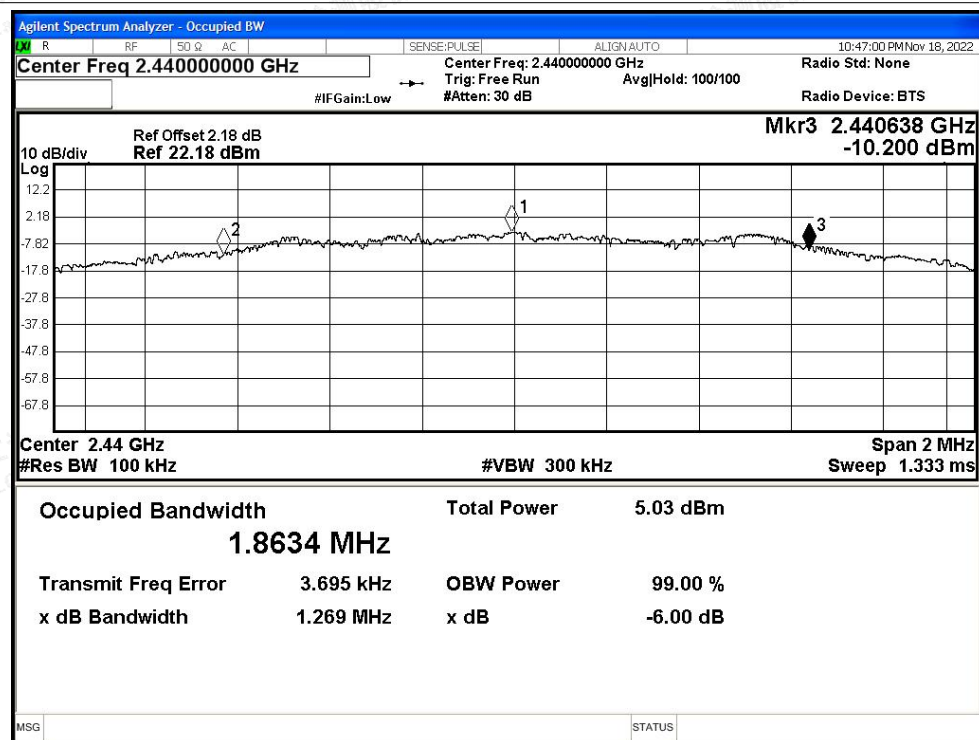
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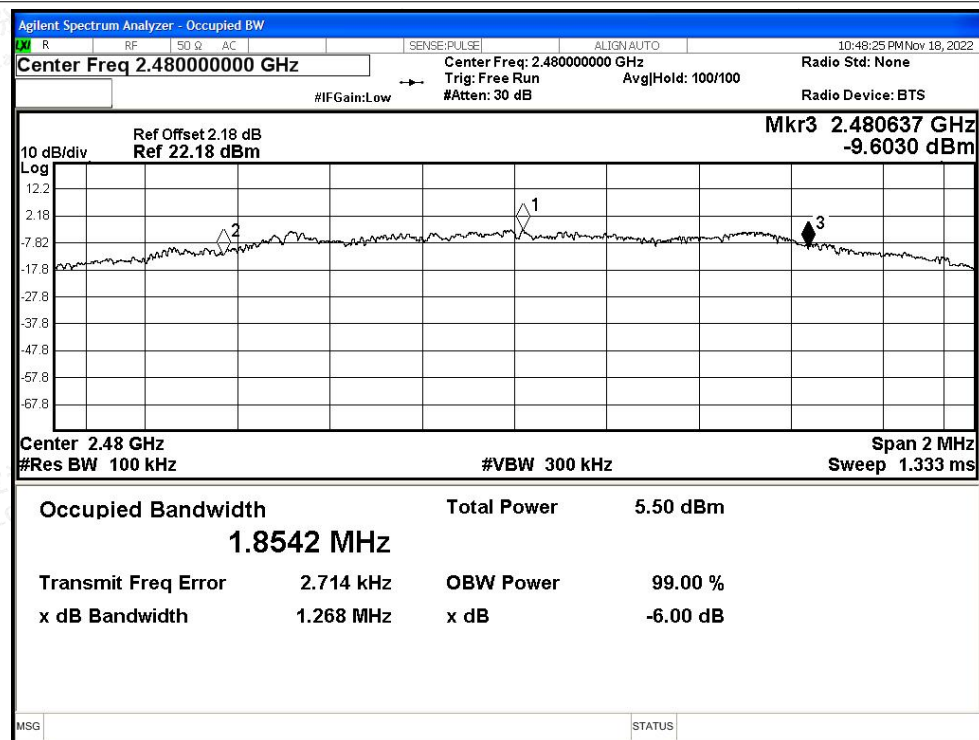
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6dB Bandwidth NVNT BLE 2M 2440MHz Ant1



6dB Bandwidth NVNT BLE 2M 2480MHz Ant1



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A.2 Maximum Conducted Output Power

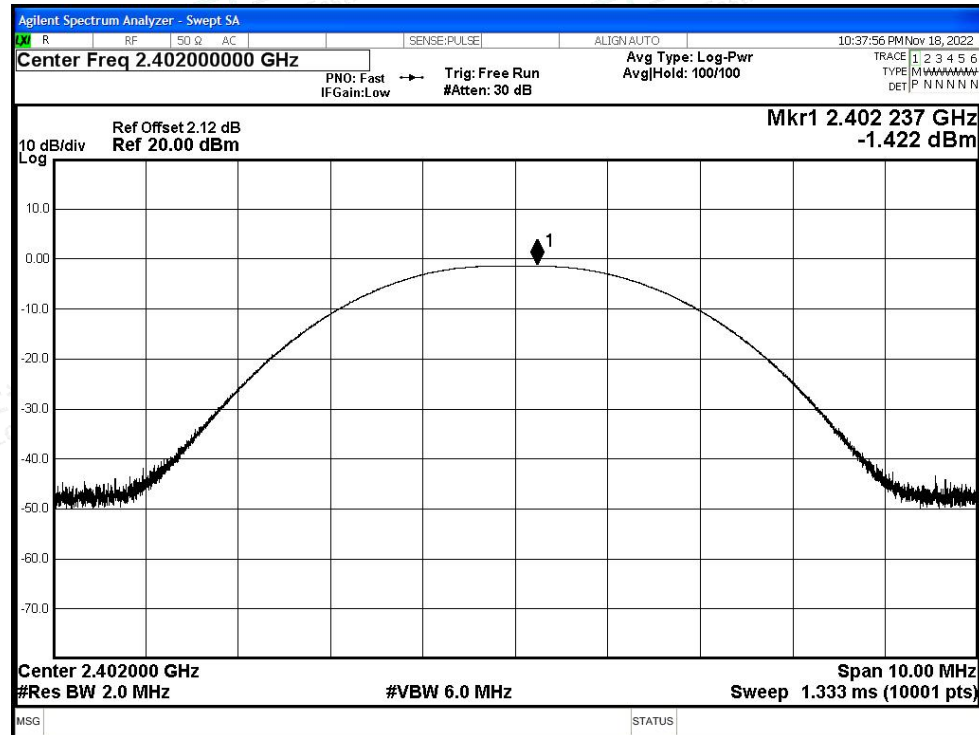
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-1.42	30	Pass
NVNT	BLE 1M	2440	Ant1	-1.34	30	Pass
NVNT	BLE 1M	2480	Ant1	-0.93	30	Pass
NVNT	BLE 2M	2402	Ant1	-1.47	30	Pass
NVNT	BLE 2M	2440	Ant1	-1.37	30	Pass
NVNT	BLE 2M	2480	Ant1	-0.98	30	Pass



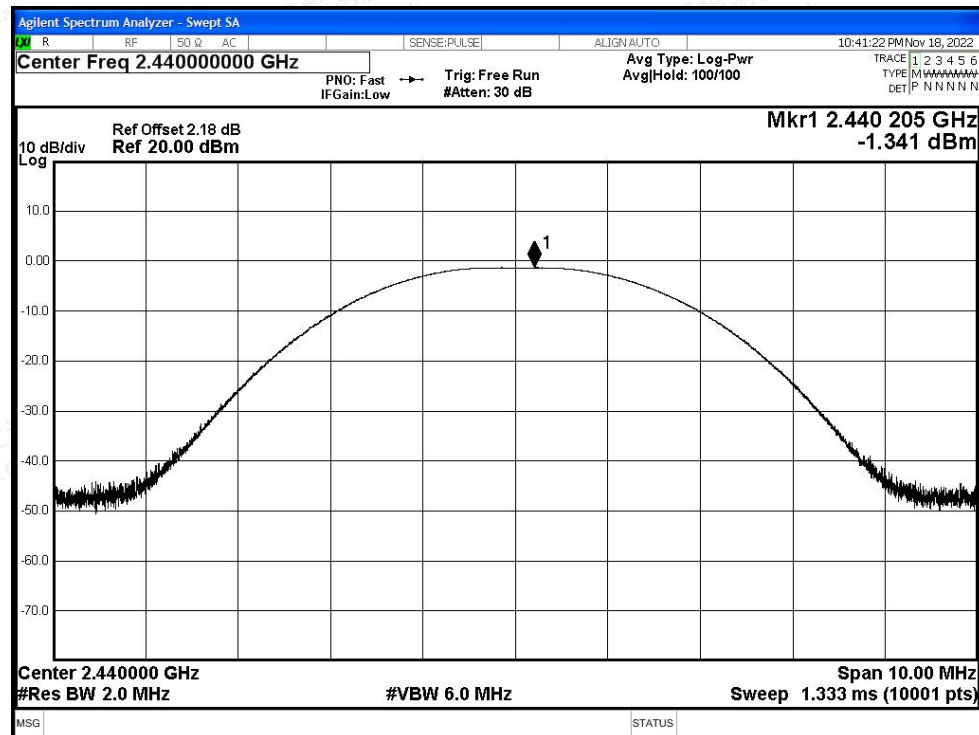


Test Graphs

Power NVNT BLE 1M 2402MHz Ant1



Power NVNT BLE 1M 2440MHz Ant1

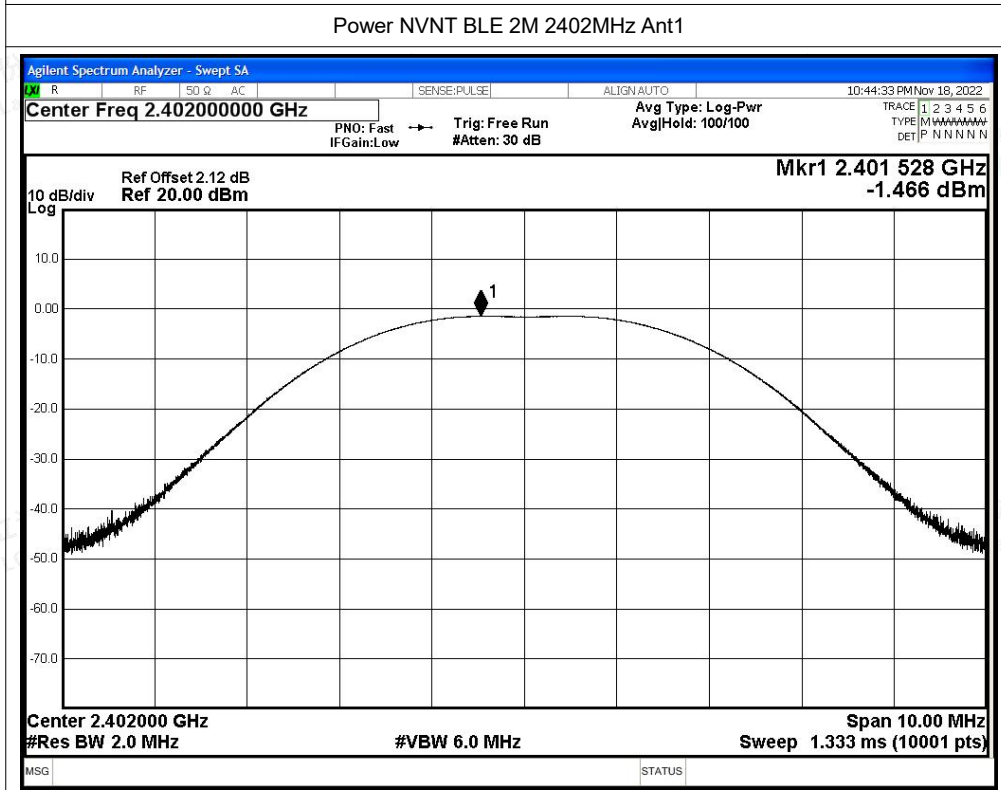
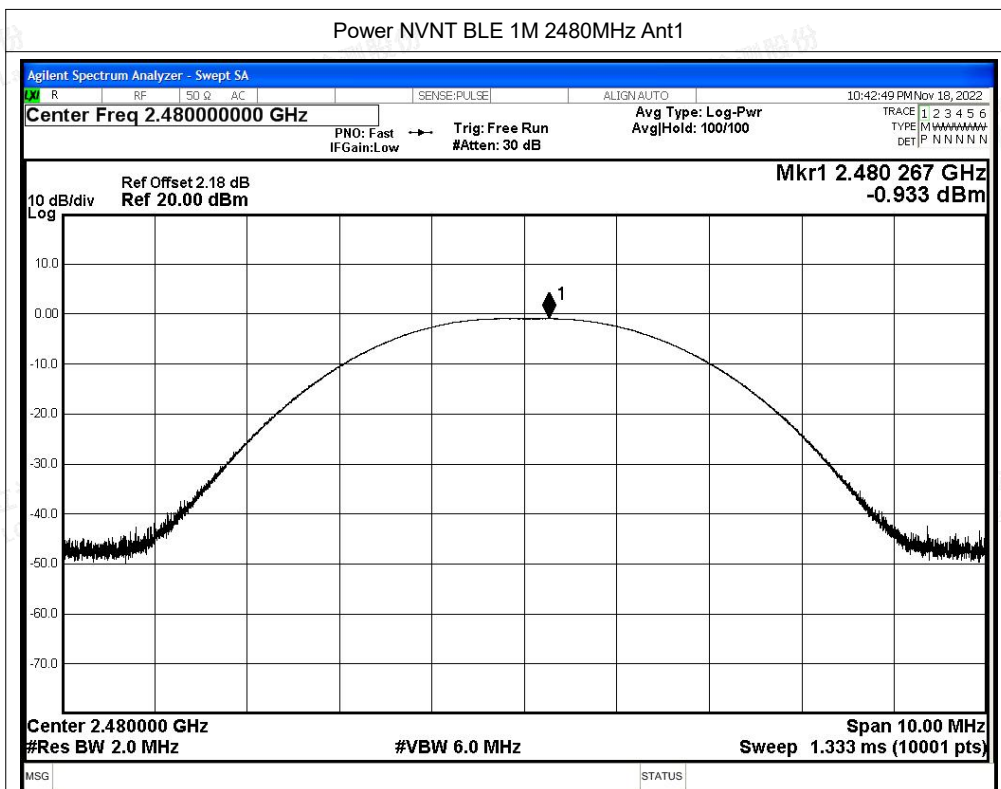


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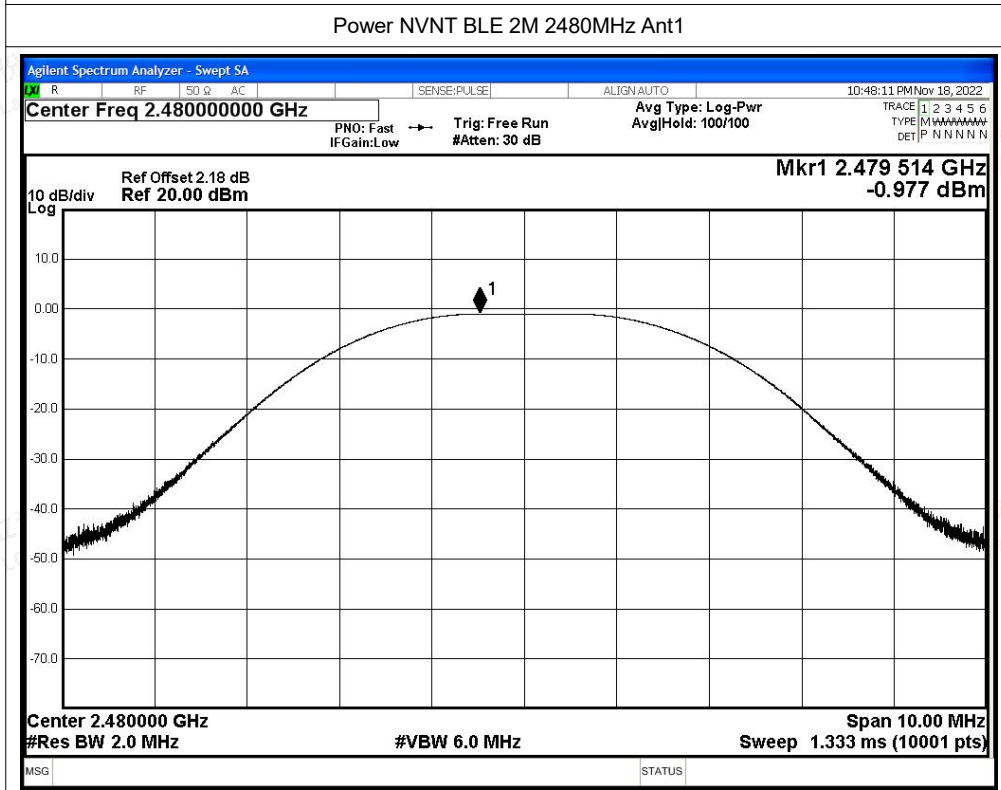
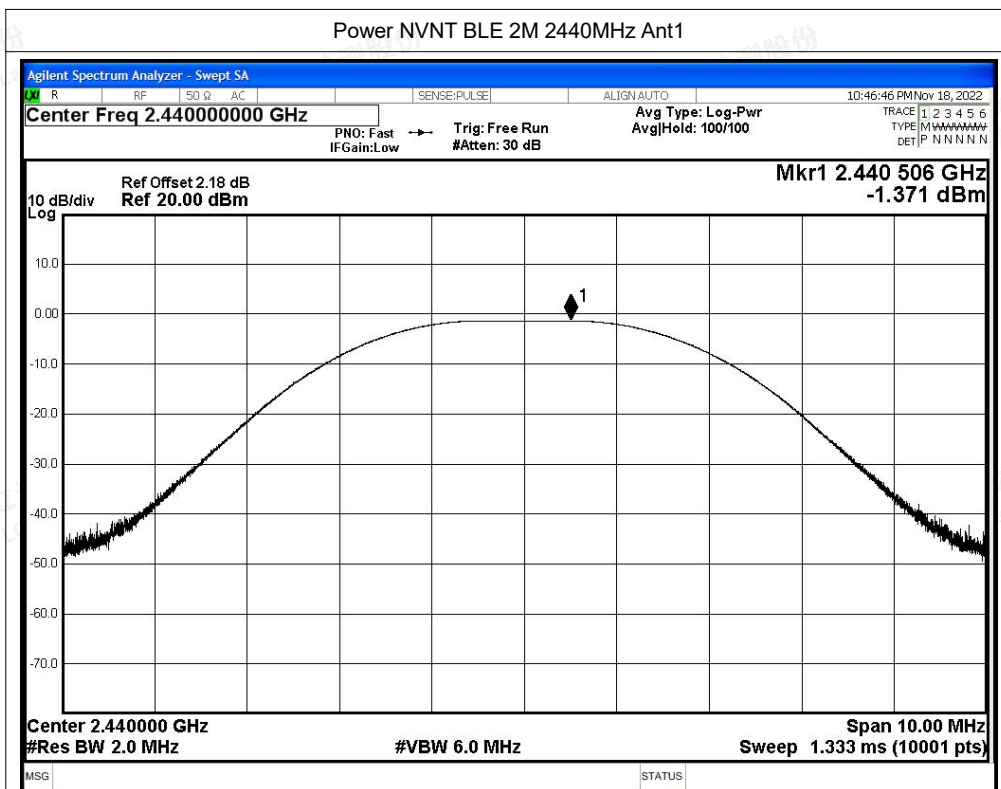


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A.3 Maximum Power Spectral Density Level

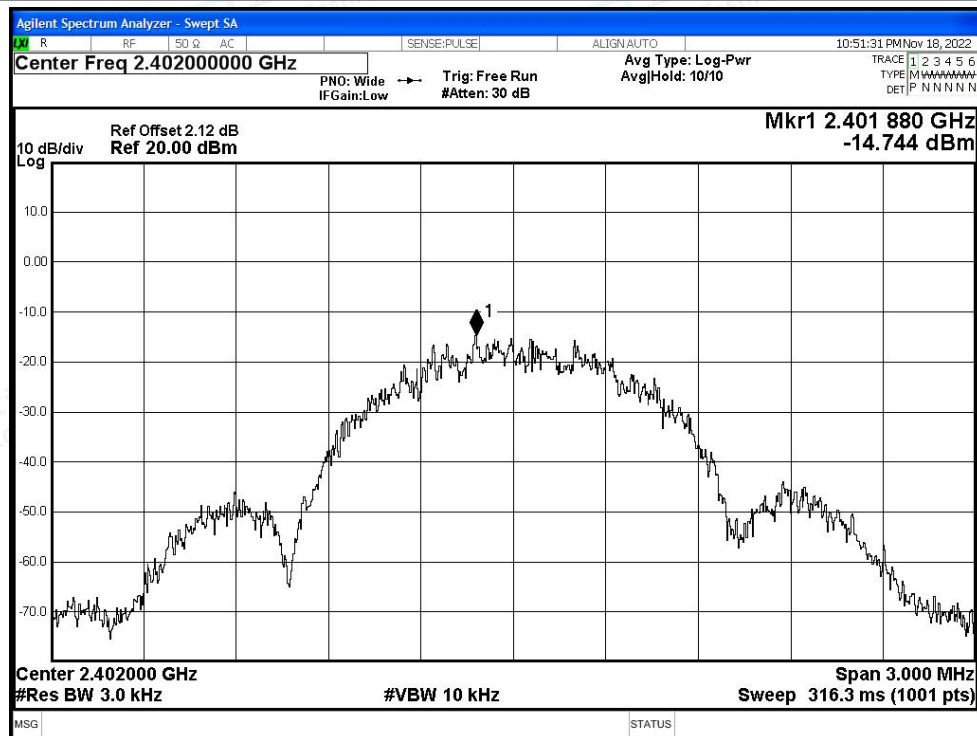
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-14.74	0	-14.74	8	Pass
NVNT	BLE 1M	2440	Ant1	-14.97	0	-14.97	8	Pass
NVNT	BLE 1M	2480	Ant1	-14.31	0	-14.31	8	Pass
NVNT	BLE 2M	2402	Ant1	-15.5	0	-15.5	8	Pass
NVNT	BLE 2M	2440	Ant1	-15.57	0	-15.57	8	Pass
NVNT	BLE 2M	2480	Ant1	-15.66	0	-15.66	8	Pass



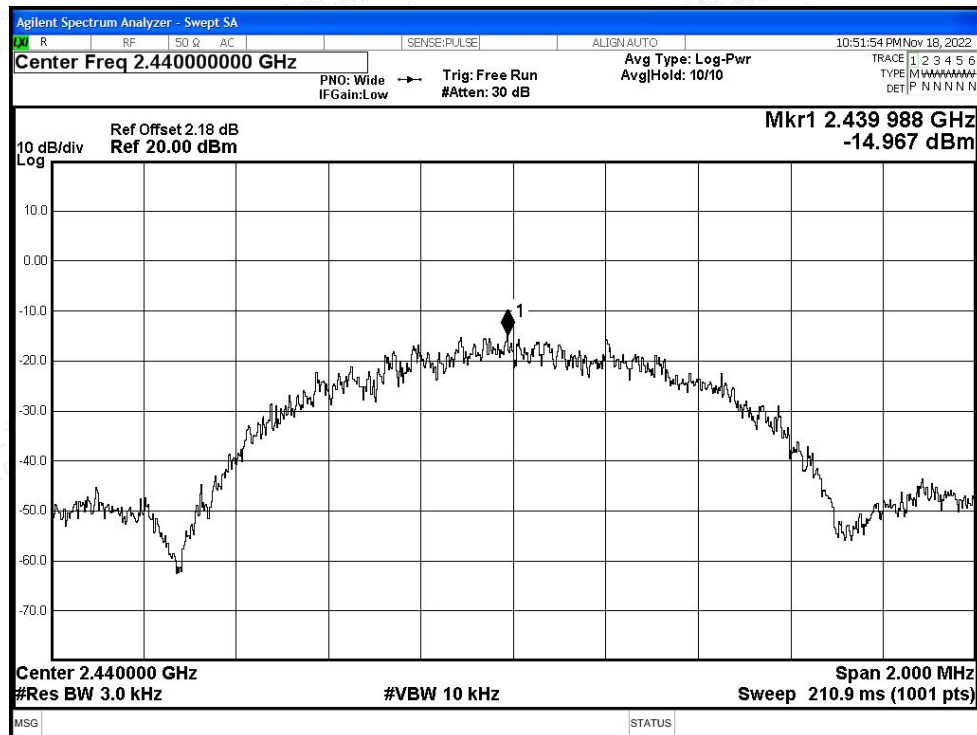


Test Graphs

PSD NVNT BLE 1M 2402MHz Ant1



PSD NVNT BLE 1M 2440MHz Ant1

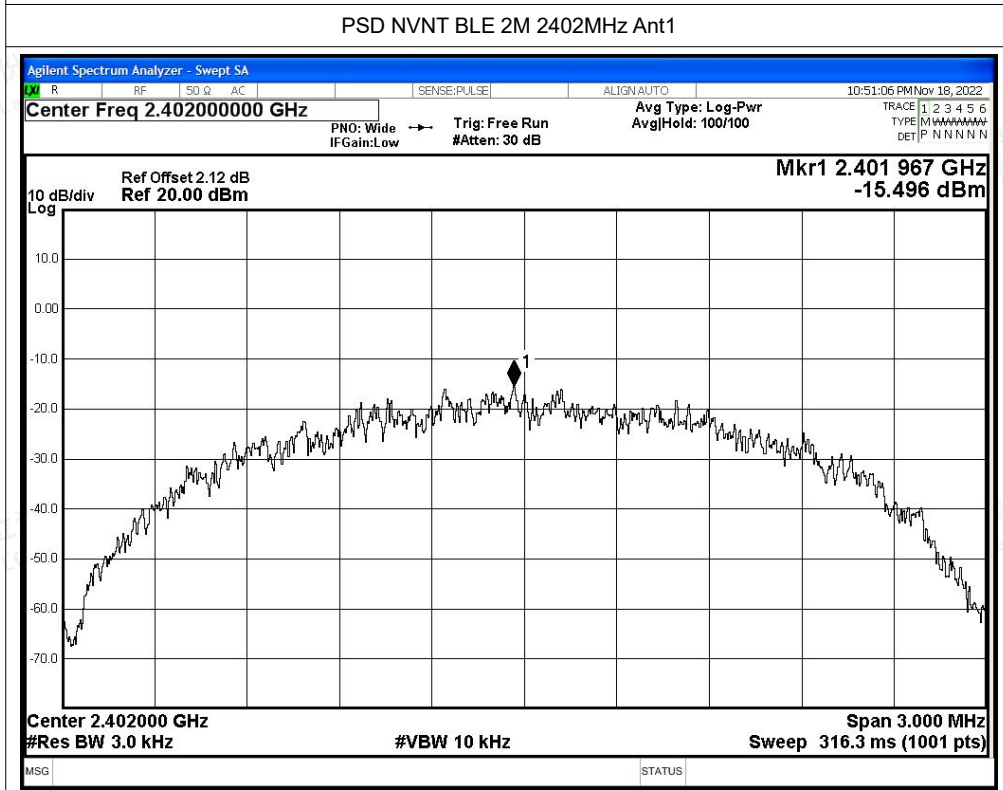
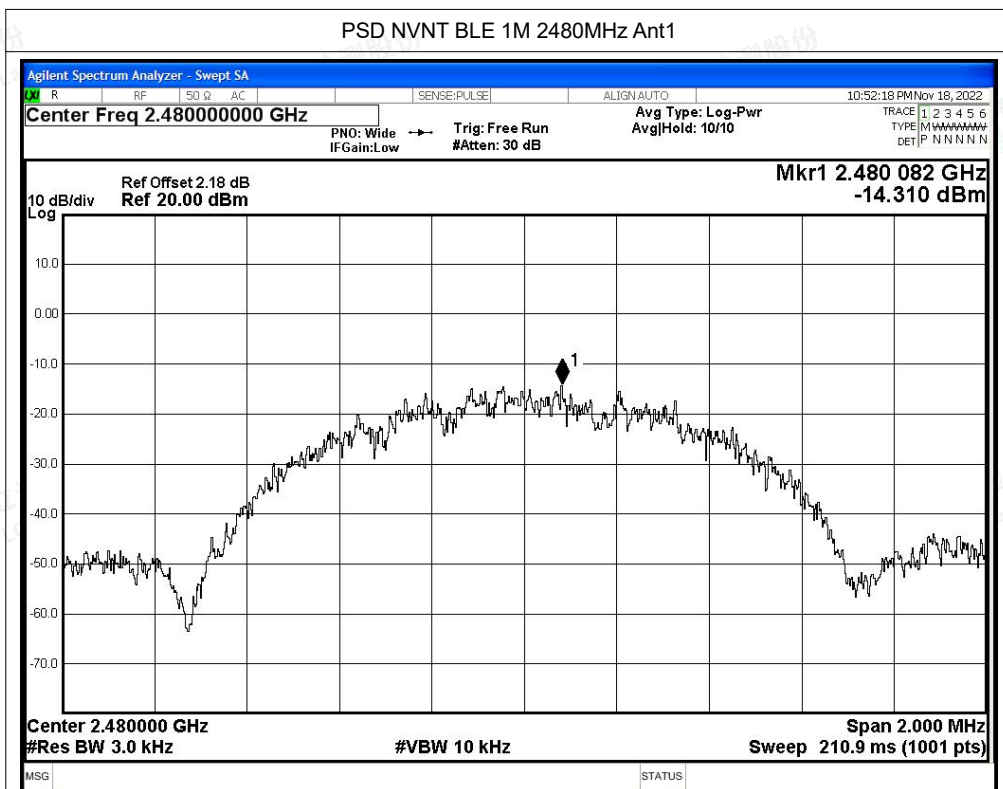


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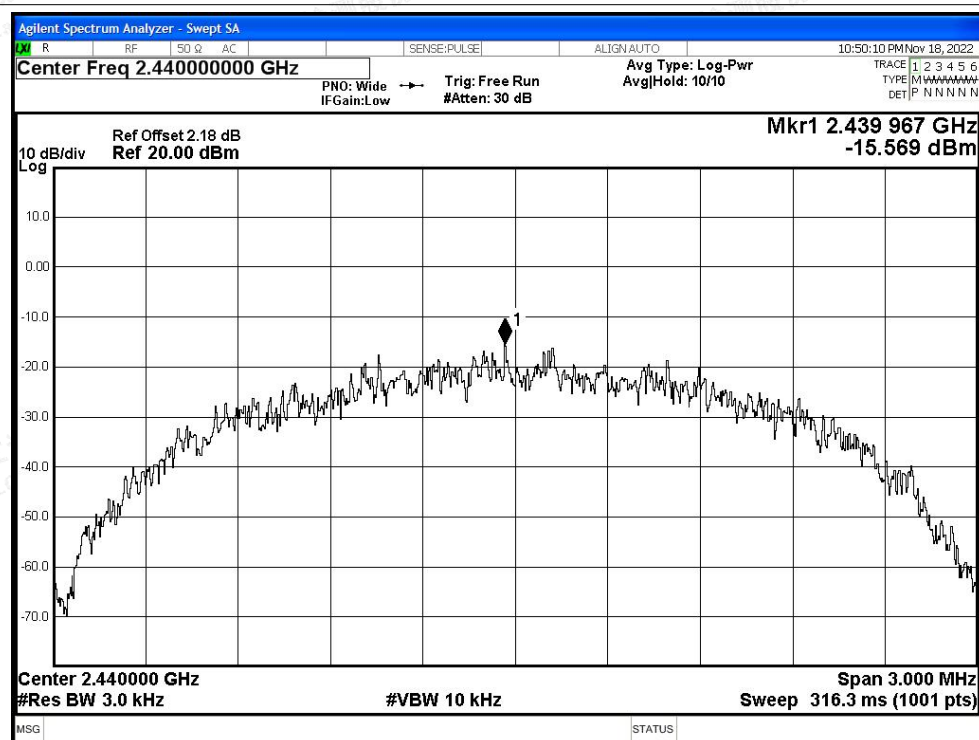
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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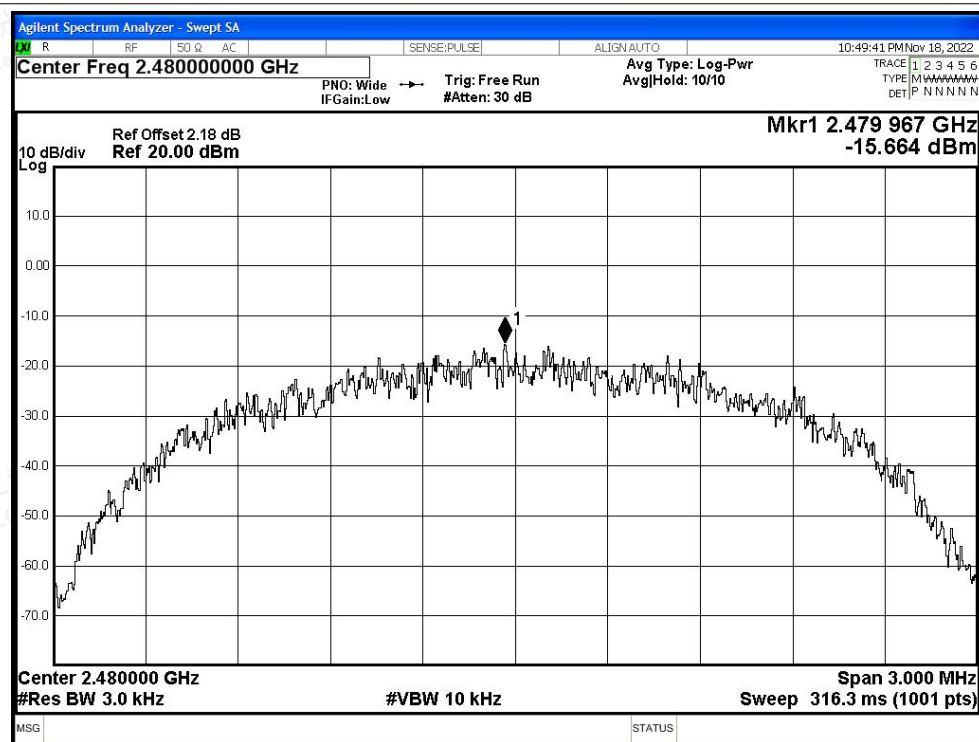
Scan code to check authenticity



PSD NVNT BLE 2M 2440MHz Ant1



PSD NVNT BLE 2M 2480MHz Ant1



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A.4 Band Edge

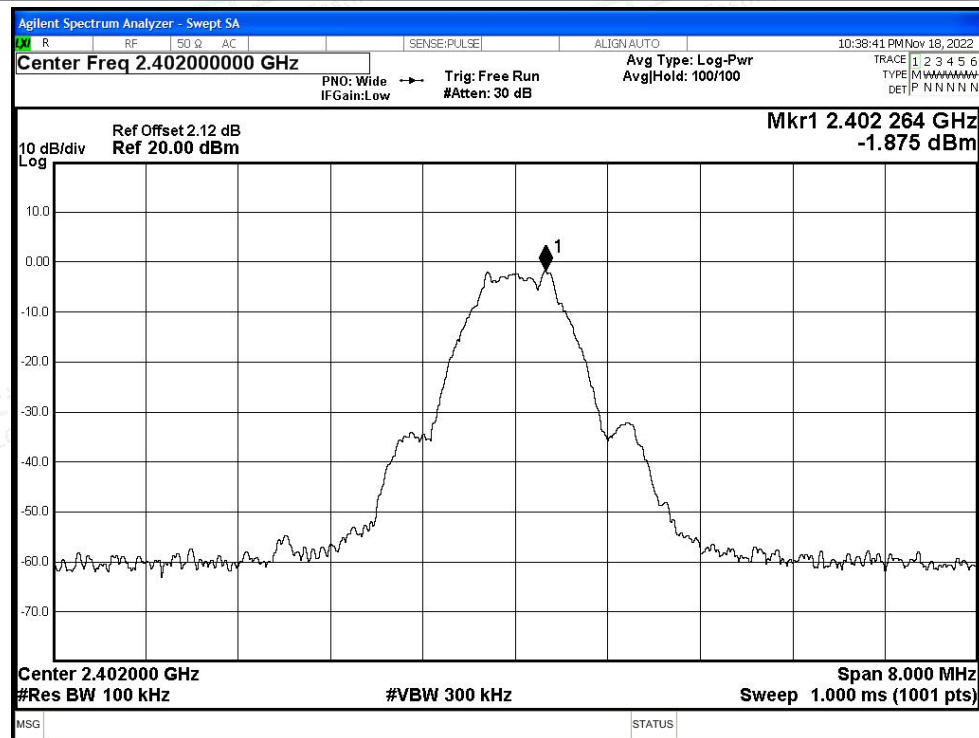
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-49.67	-20	Pass
NVNT	BLE 1M	2480	Ant1	-55.21	-20	Pass
NVNT	BLE 2M	2402	Ant1	-33.03	-20	Pass
NVNT	BLE 2M	2480	Ant1	-52.37	-20	Pass



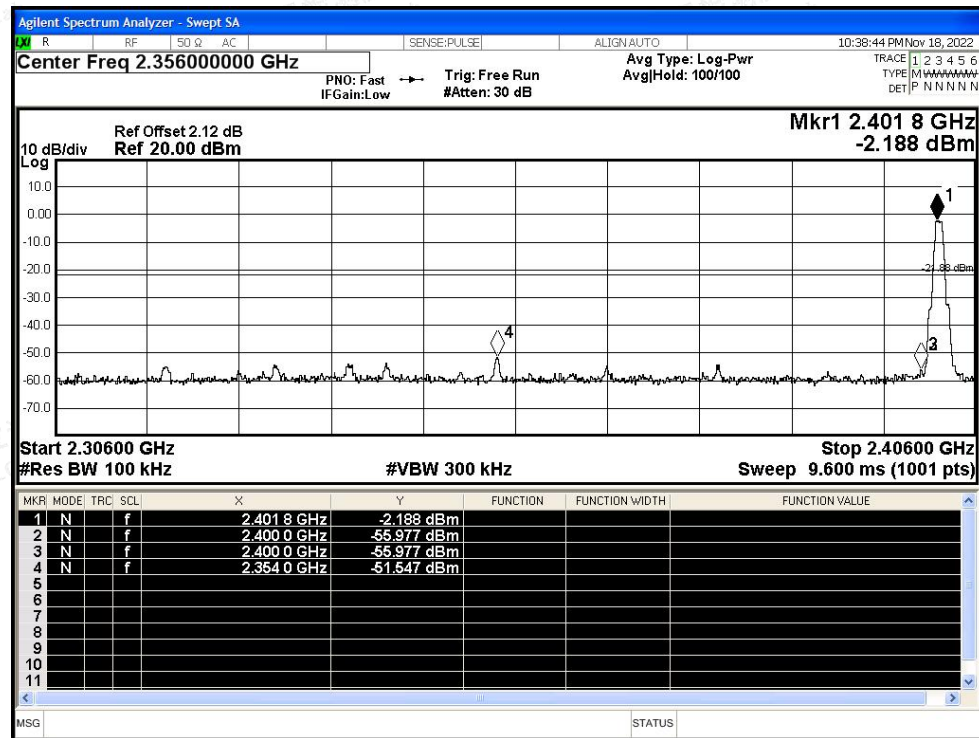


Test Graphs

Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



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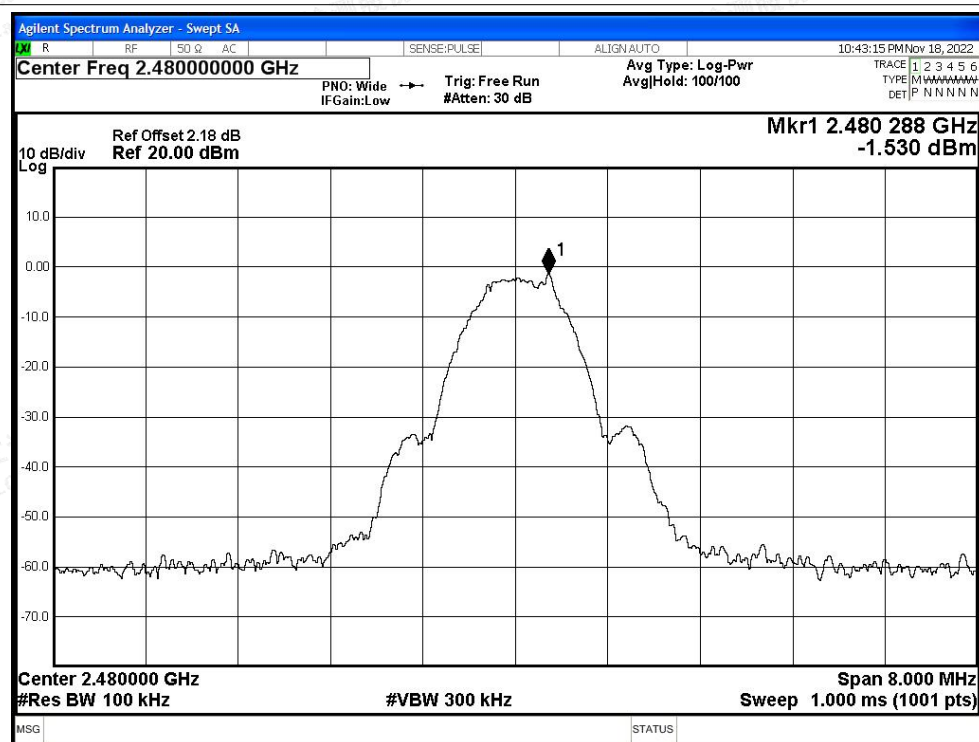
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

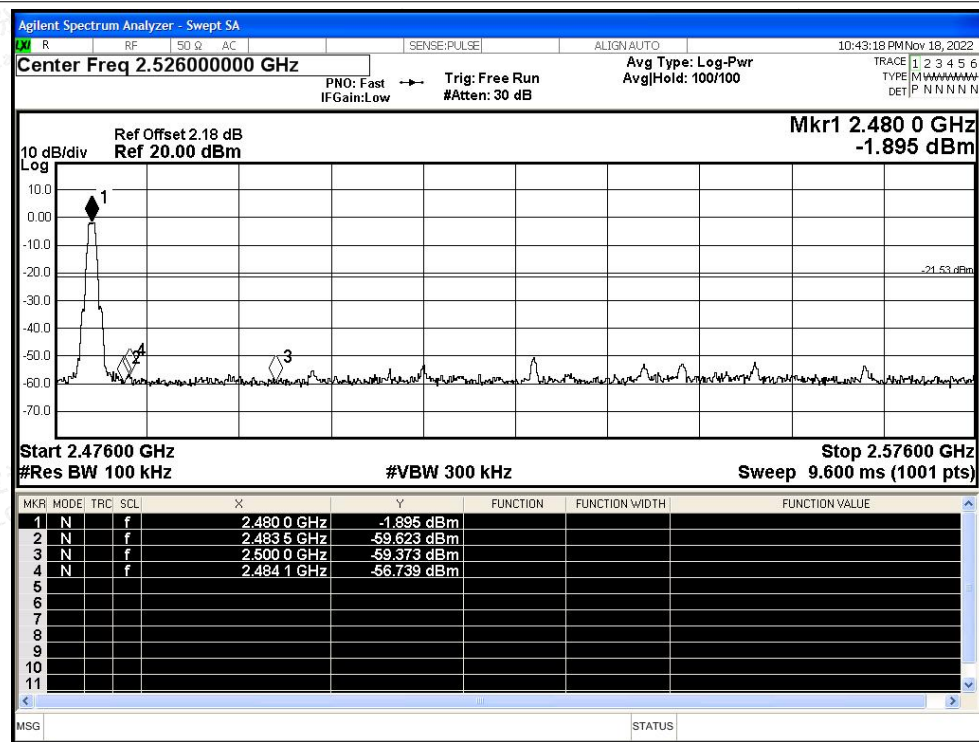
Scan code to check authenticity



Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



Band Edge NVNT BLE 1M 2480MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

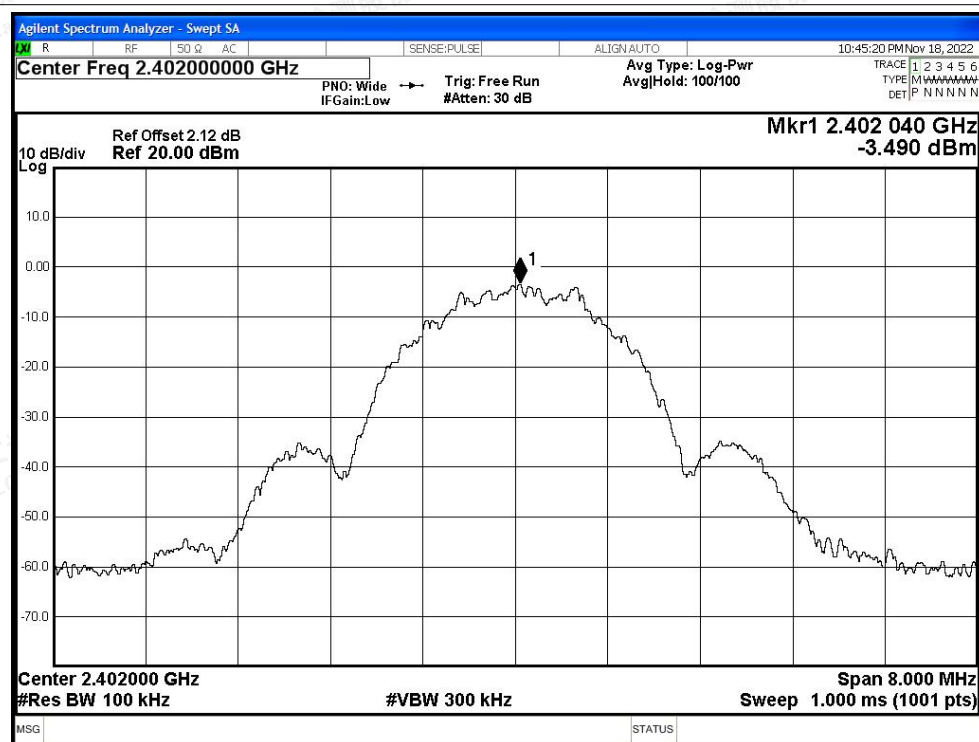
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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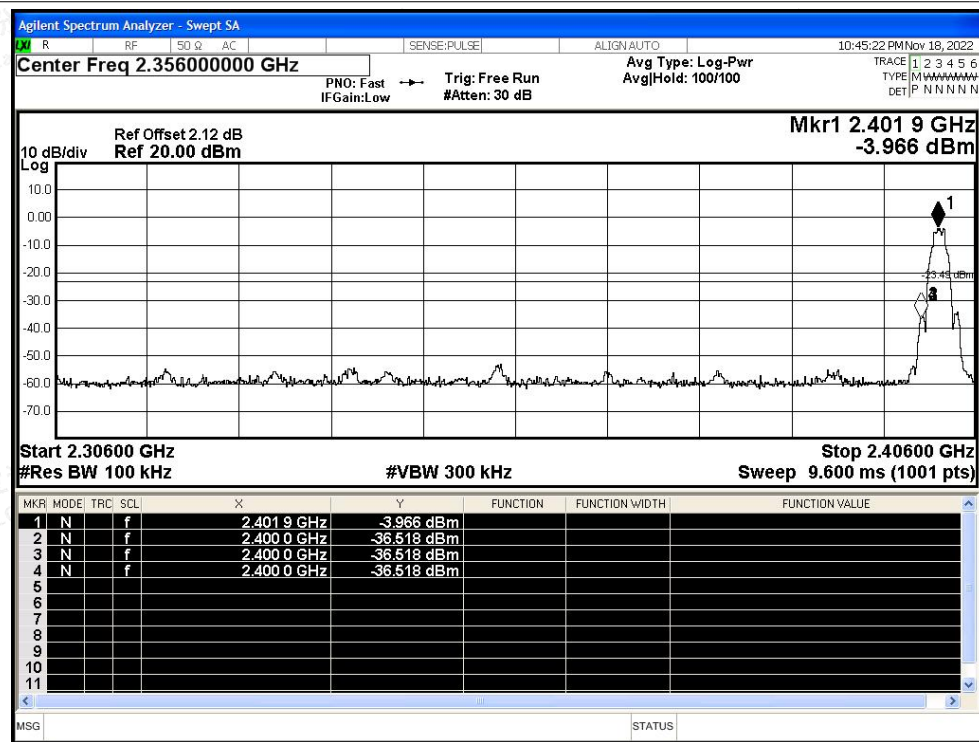
Scan code to check authenticity



Band Edge NVNT BLE 2M 2402MHz Ant1 Ref



Band Edge NVNT BLE 2M 2402MHz Ant1 Emission



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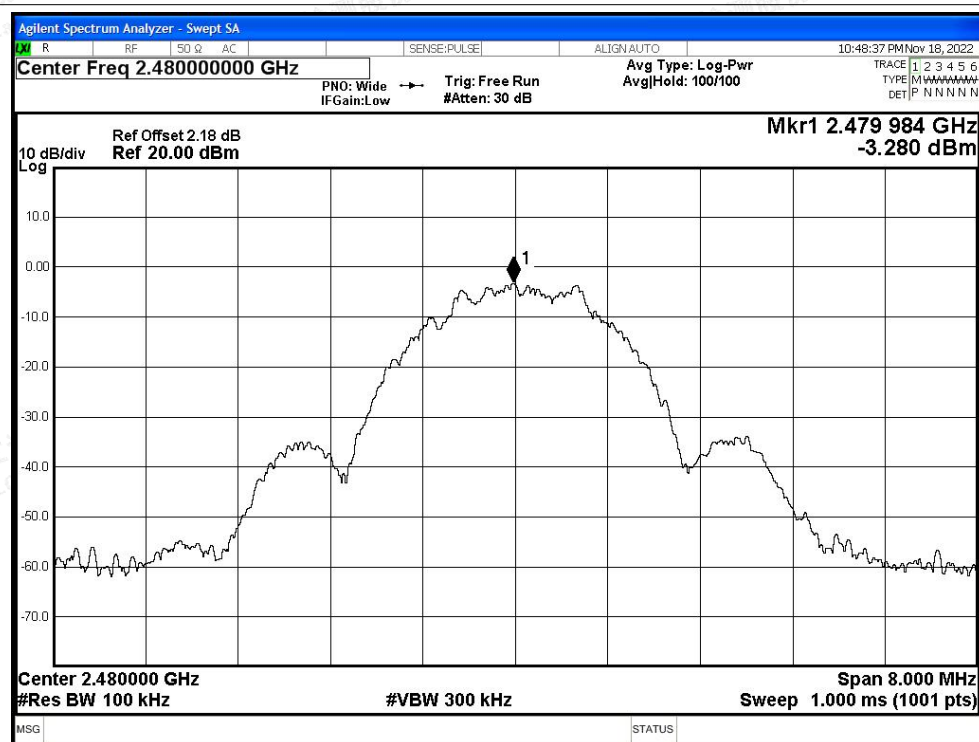
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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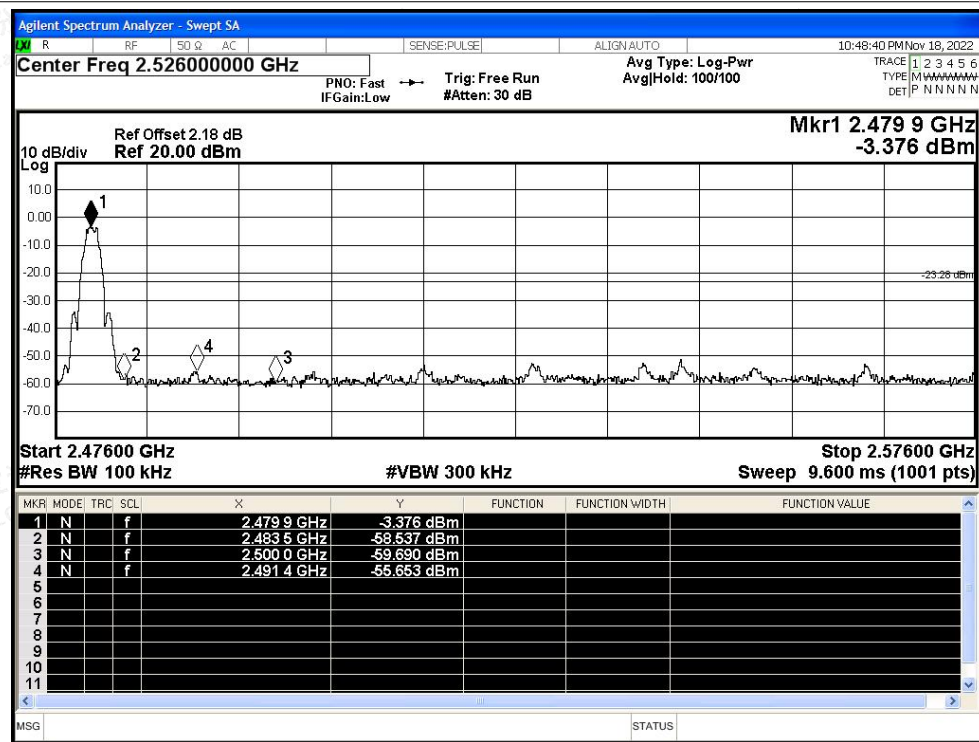
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Band Edge NVNT BLE 2M 2480MHz Ant1 Ref



Band Edge NVNT BLE 2M 2480MHz Ant1 Emission



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A.5 Conducted RF Spurious Emission

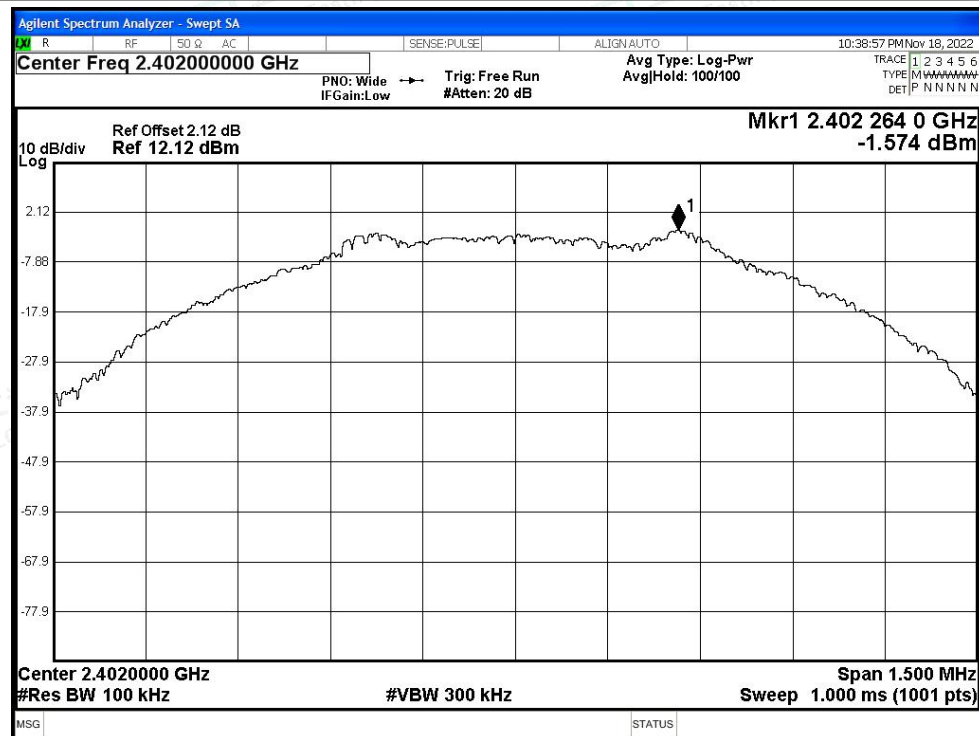
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-29.64	-20	Pass
NVNT	BLE 1M	2440	Ant1	-30.12	-20	Pass
NVNT	BLE 1M	2480	Ant1	-31.05	-20	Pass
NVNT	BLE 2M	2402	Ant1	-28.13	-20	Pass
NVNT	BLE 2M	2440	Ant1	-29.47	-20	Pass
NVNT	BLE 2M	2480	Ant1	-31.74	-20	Pass



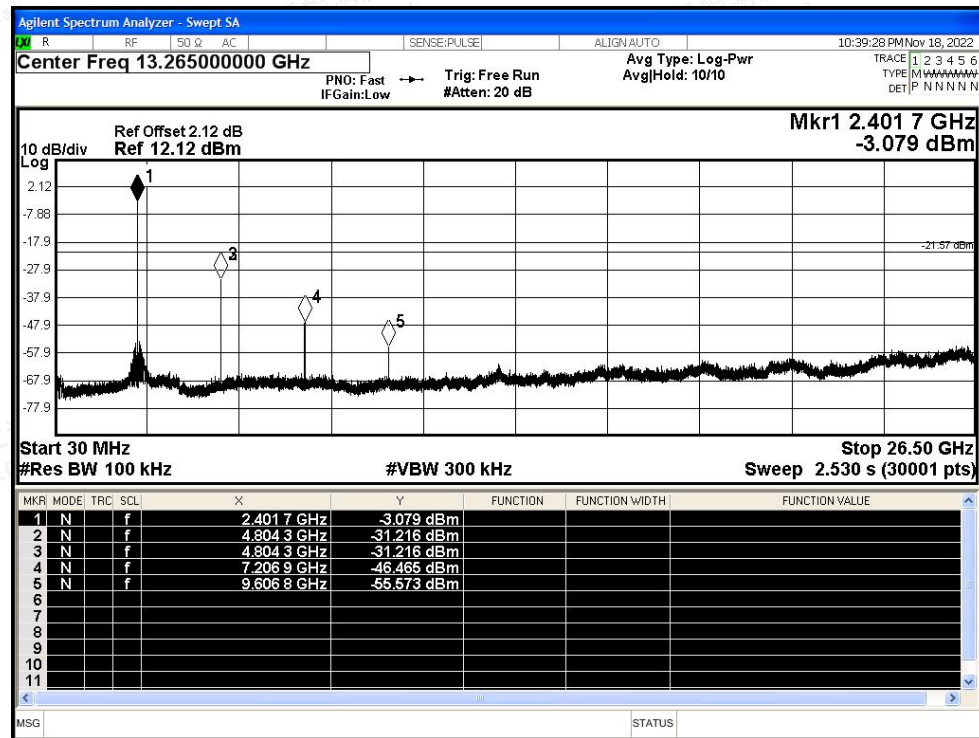


Test Graphs

Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

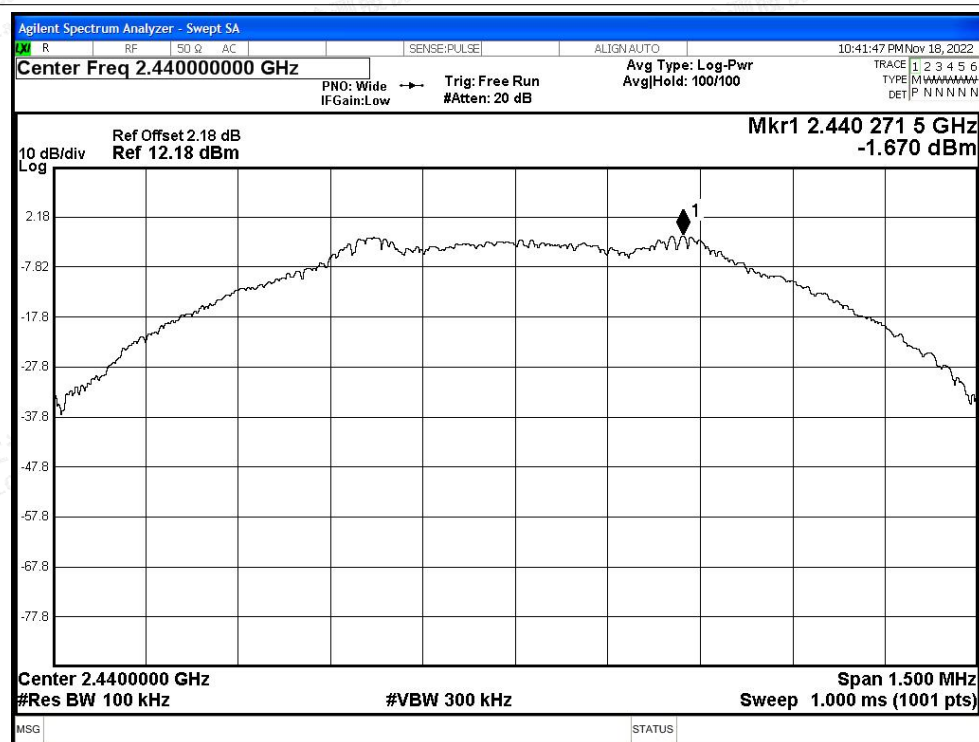
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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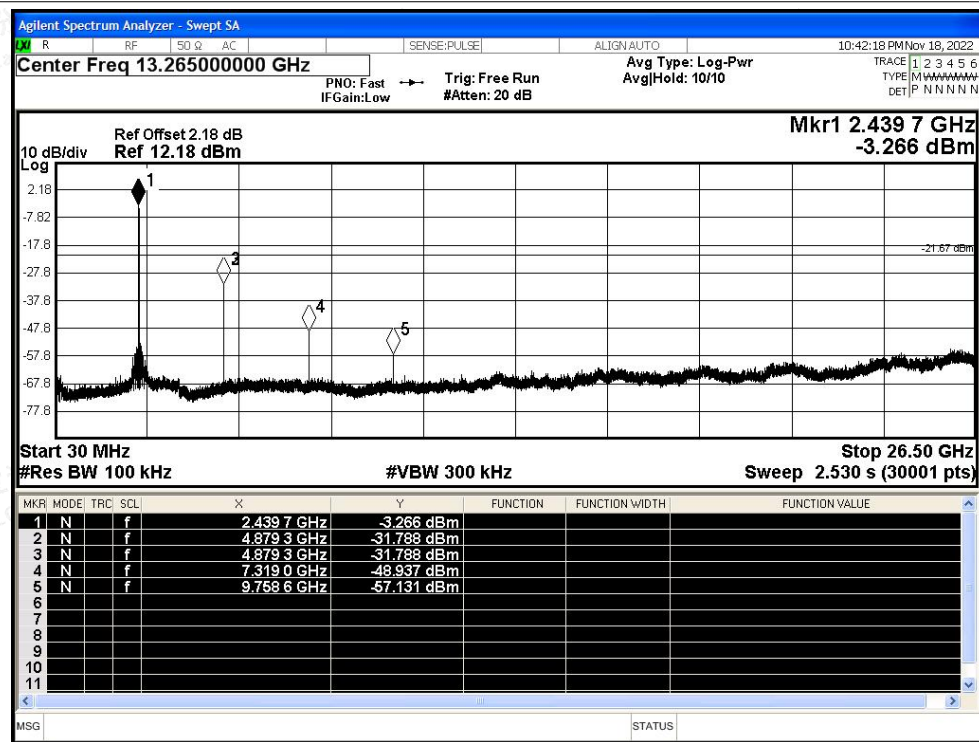
Scan code to check authenticity



Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission



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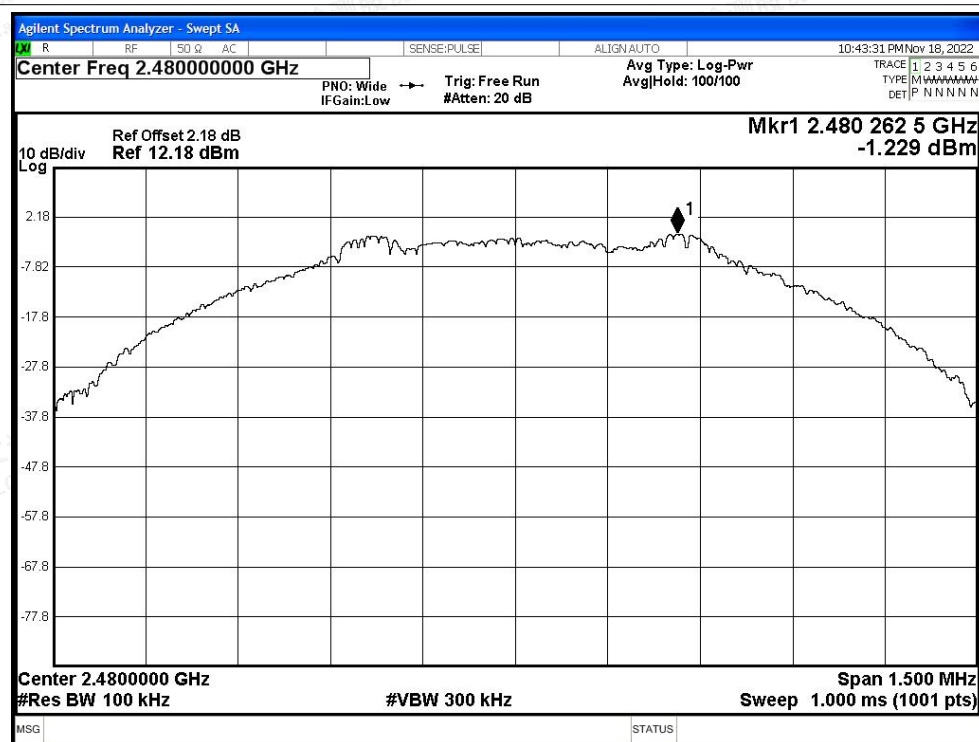
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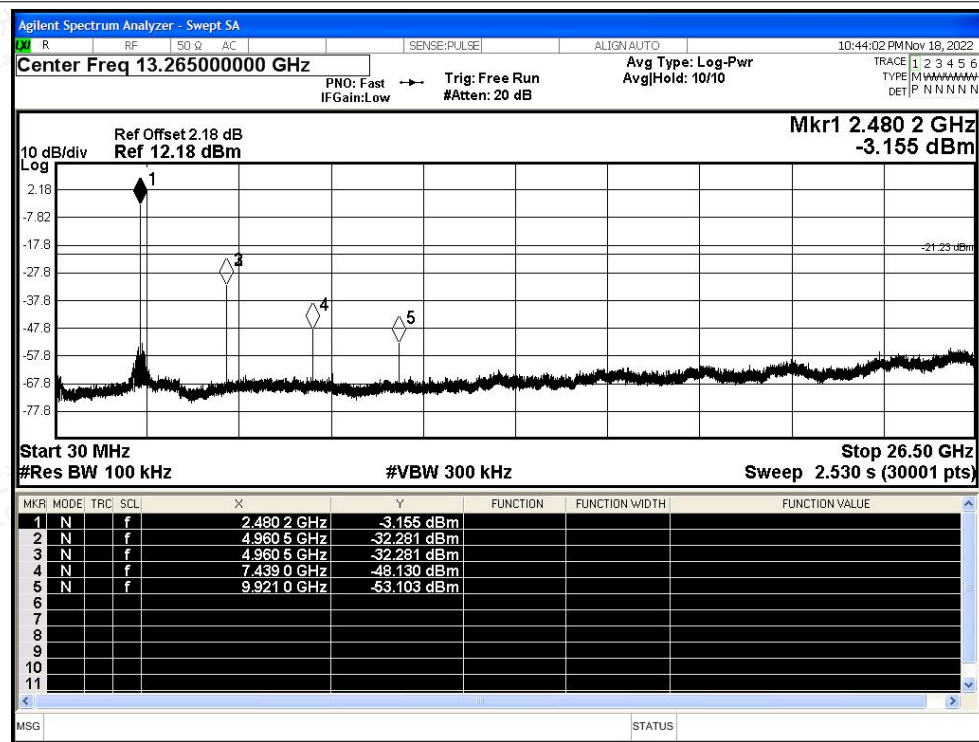
Scan code to check authenticity



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission



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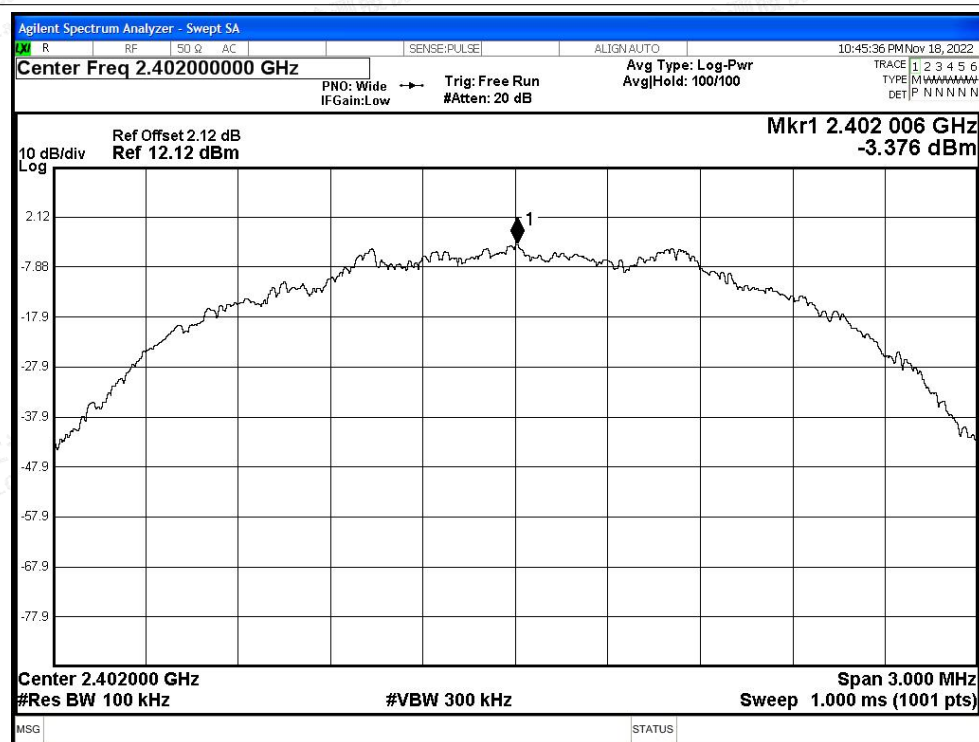
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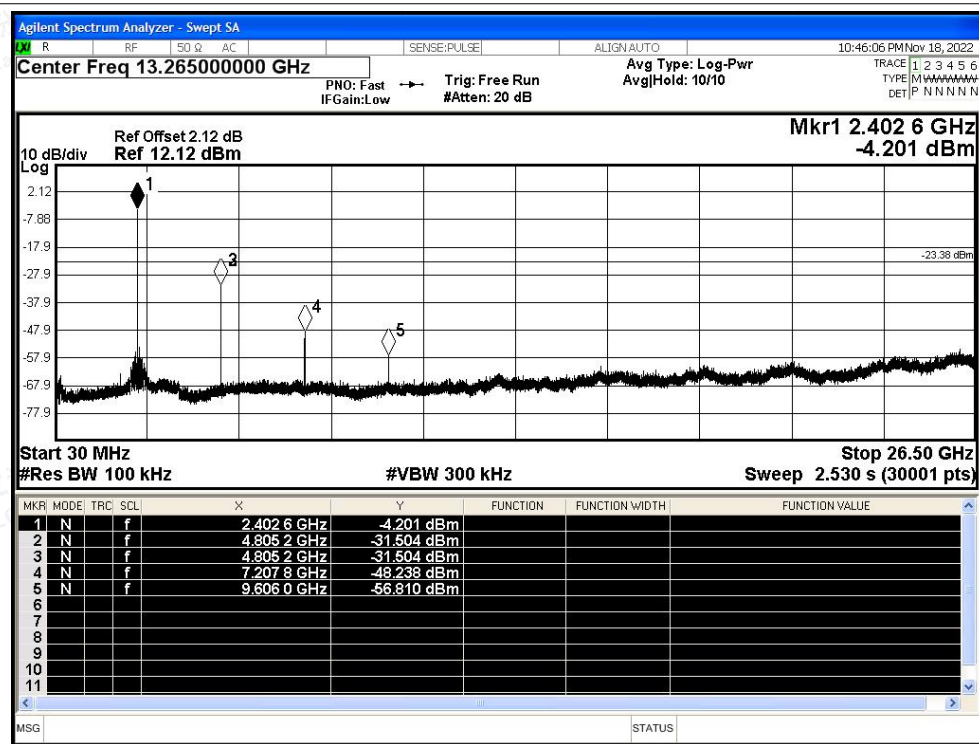
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Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Ref



Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Emission



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