



Appendix A

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Aljia SH6W Base Station

Test Model: SH6W

Environmental Conditions

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





A.1 6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	6 dB Bandwidth (MHz)	Limit 6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant0	9.689	0.5	Pass
NVNT	b	2437	Ant0	8.476	0.5	Pass
NVNT	b	2462	Ant0	7.529	0.5	Pass
NVNT	g	2412	Ant0	15.598	0.5	Pass
NVNT	g	2437	Ant0	16.361	0.5	Pass
NVNT	g	2462	Ant0	15.816	0.5	Pass
NVNT	n20	2412	Ant0	15.017	0.5	Pass
NVNT	n20	2437	Ant0	17.57	0.5	Pass
NVNT	n20	2462	Ant0	17.631	0.5	Pass



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Test Graphs

6dB Bandwidth NVNT b 2412MHz Ant0



6dB Bandwidth NVNT b 2437MHz Ant0



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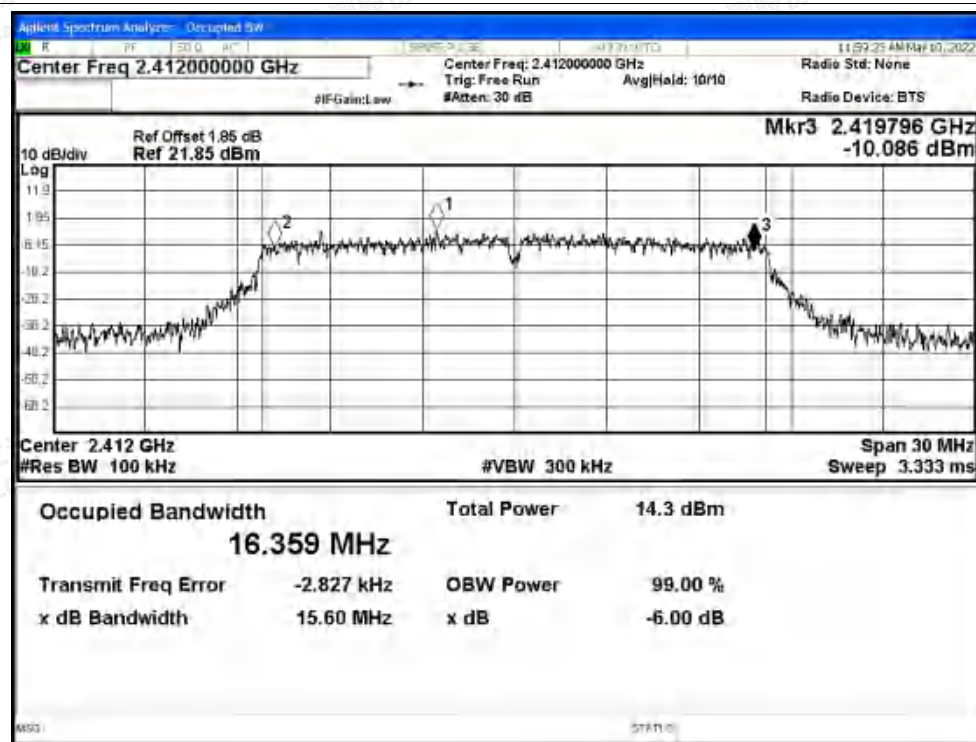
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6dB Bandwidth NVNT b 2462MHz Ant0



6dB Bandwidth NVNT g 2412MHz Ant0



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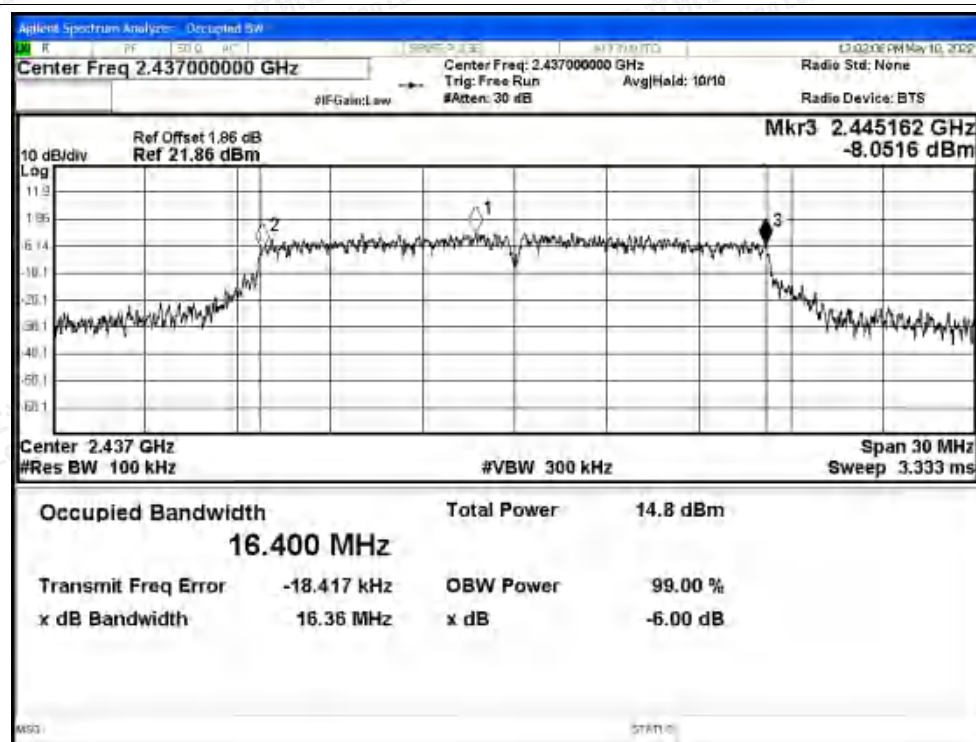
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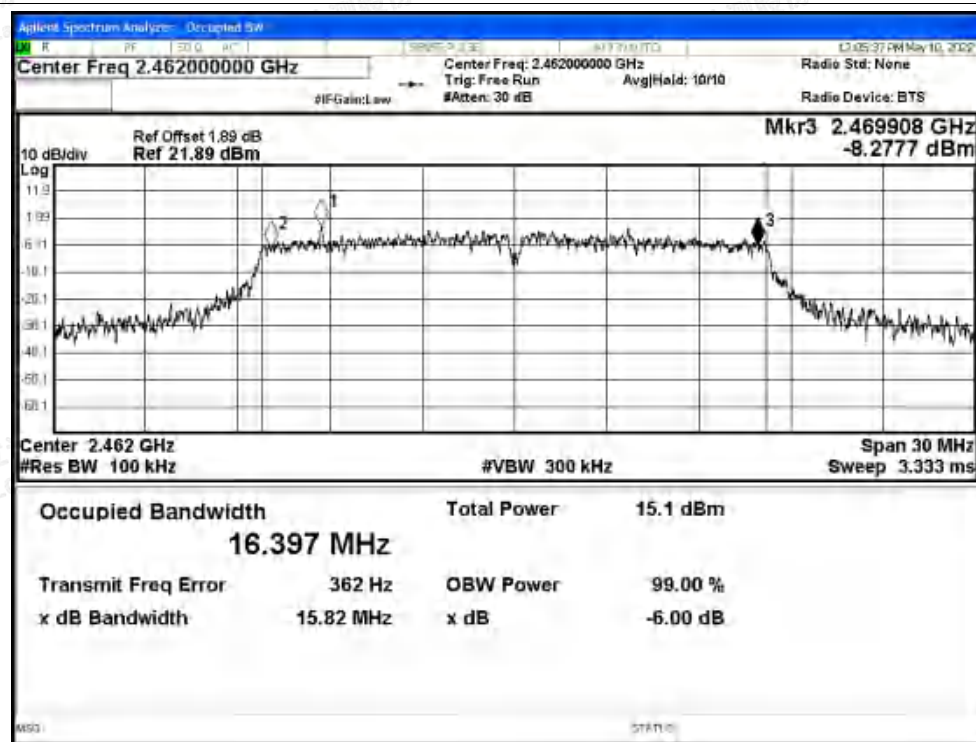
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6dB Bandwidth NVNT g 2437MHz Ant0



6dB Bandwidth NVNT g 2462MHz Ant0



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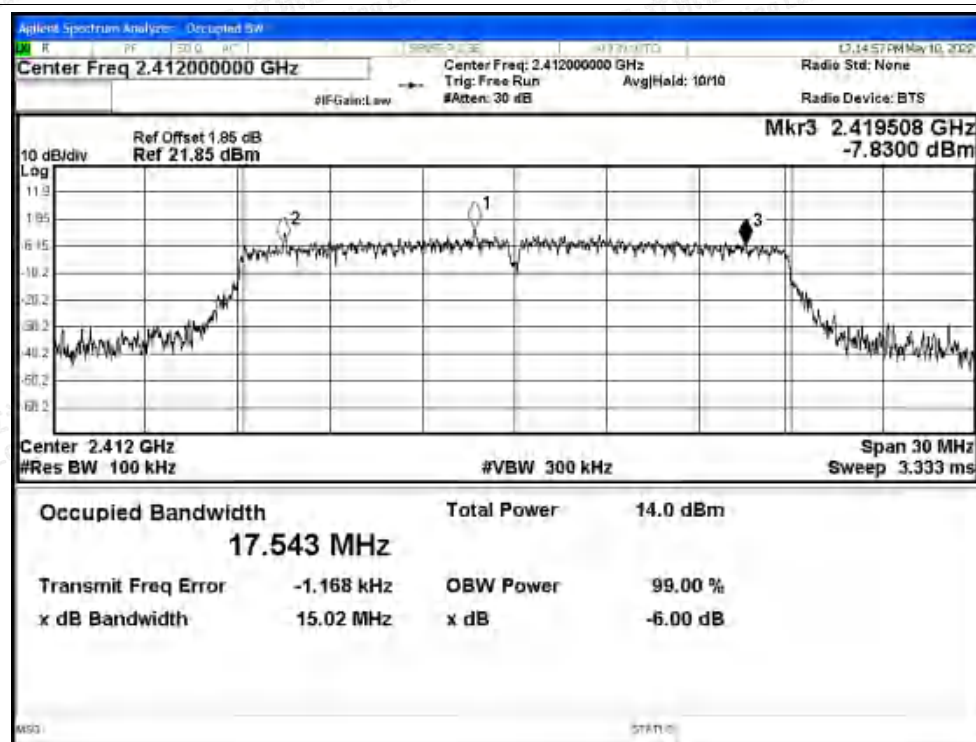
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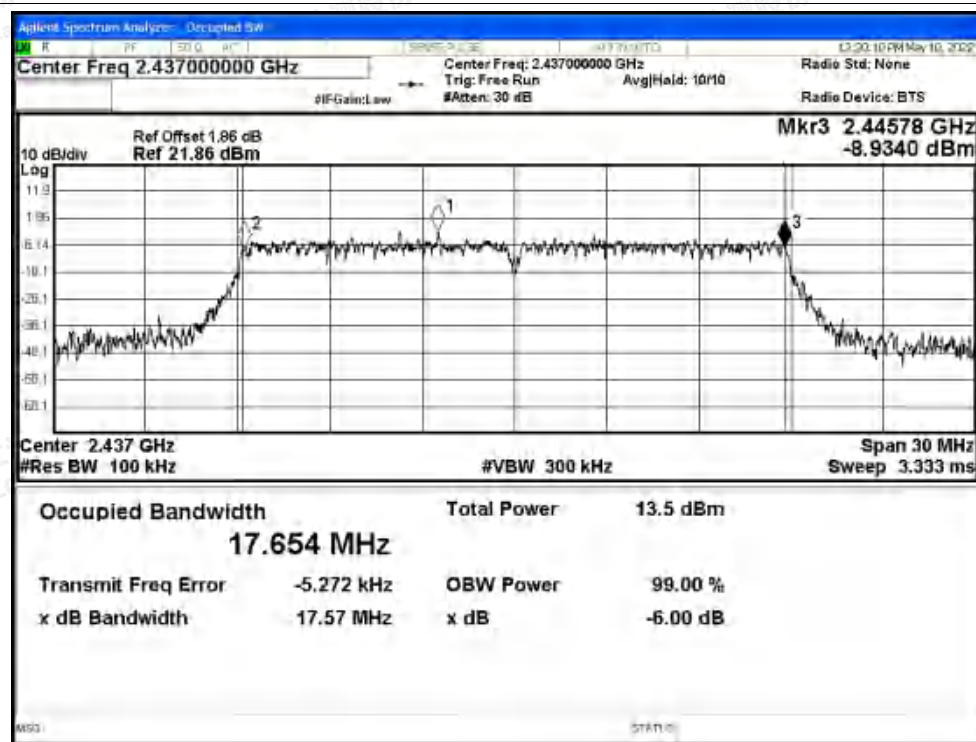
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6dB Bandwidth NVNT n20 2412MHz Ant0



6dB Bandwidth NVNT n20 2437MHz Ant0

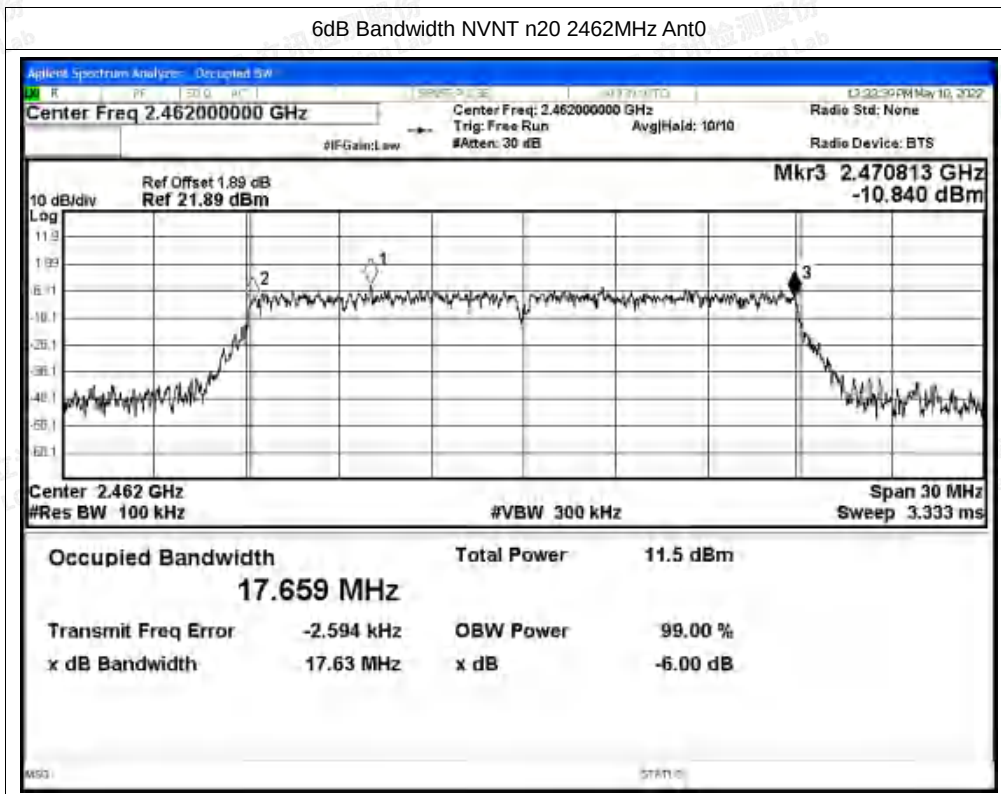


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Condition	Mode	Frequency (MHz)	Antenna	6 dB Bandwidth (MHz)	Limit 6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.003	0.5	Pass
NVNT	b	2437	Ant1	8.506	0.5	Pass
NVNT	b	2462	Ant1	9.122	0.5	Pass
NVNT	g	2412	Ant1	15.669	0.5	Pass
NVNT	g	2437	Ant1	16.336	0.5	Pass
NVNT	g	2462	Ant1	10.057	0.5	Pass
NVNT	n20	2412	Ant1	17.534	0.5	Pass
NVNT	n20	2437	Ant1	17.581	0.5	Pass
NVNT	n20	2462	Ant1	17.493	0.5	Pass



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Test Graphs

6dB Bandwidth NVNT b 2412MHz Ant1



6dB Bandwidth NVNT b 2437MHz Ant1



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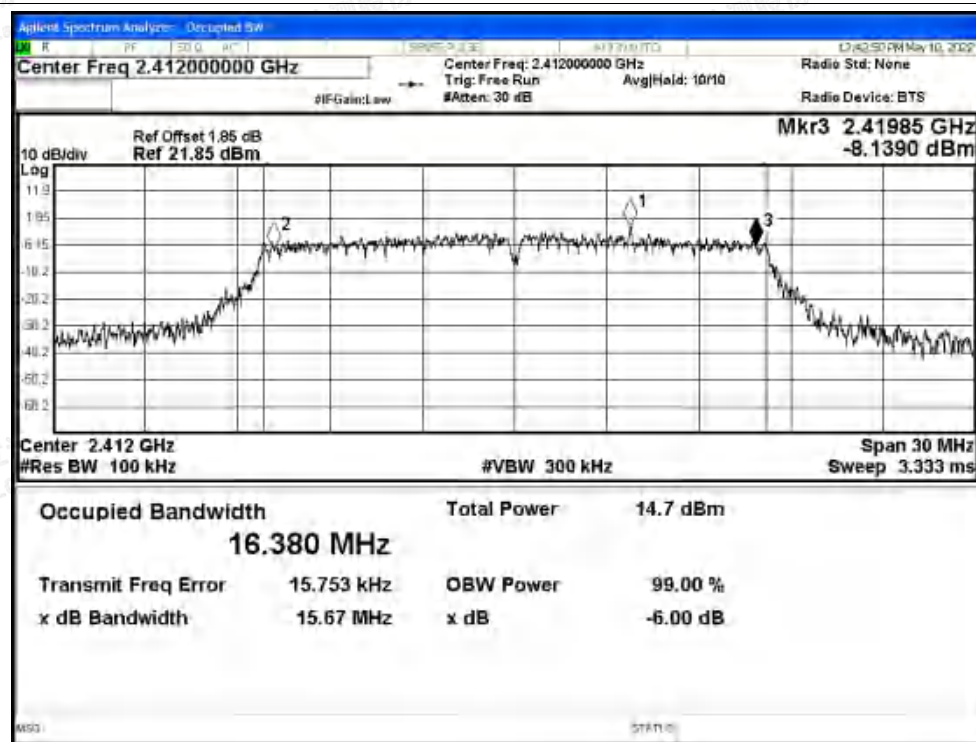
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6dB Bandwidth NVNT b 2462MHz Ant1



6dB Bandwidth NVNT g 2412MHz Ant1



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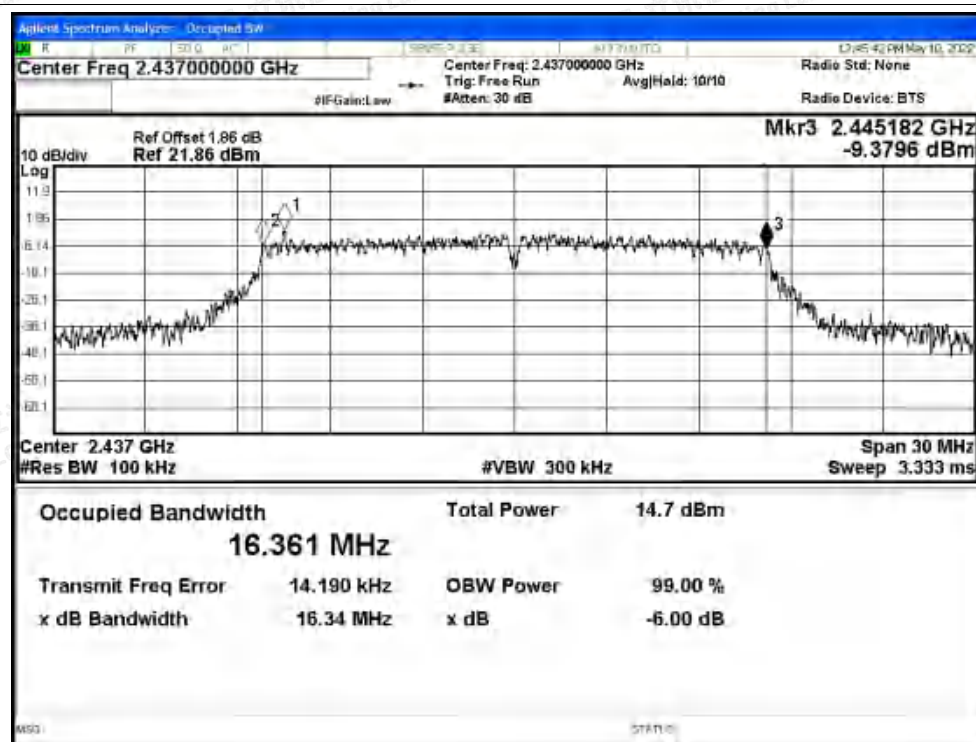
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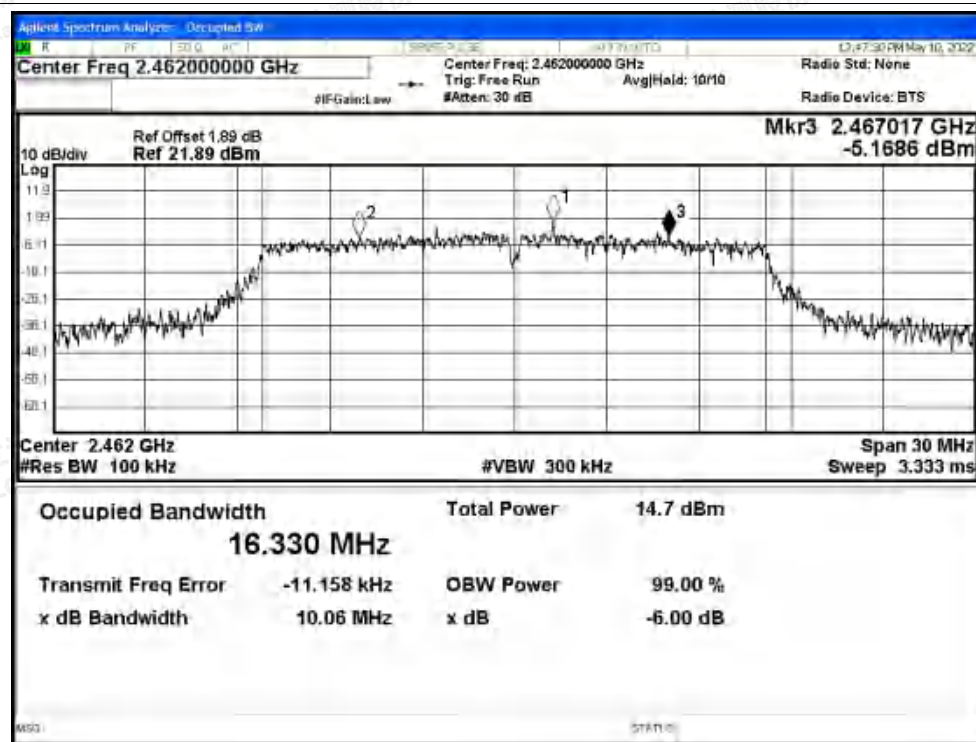
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6dB Bandwidth NVNT g 2437MHz Ant1



6dB Bandwidth NVNT g 2462MHz Ant1



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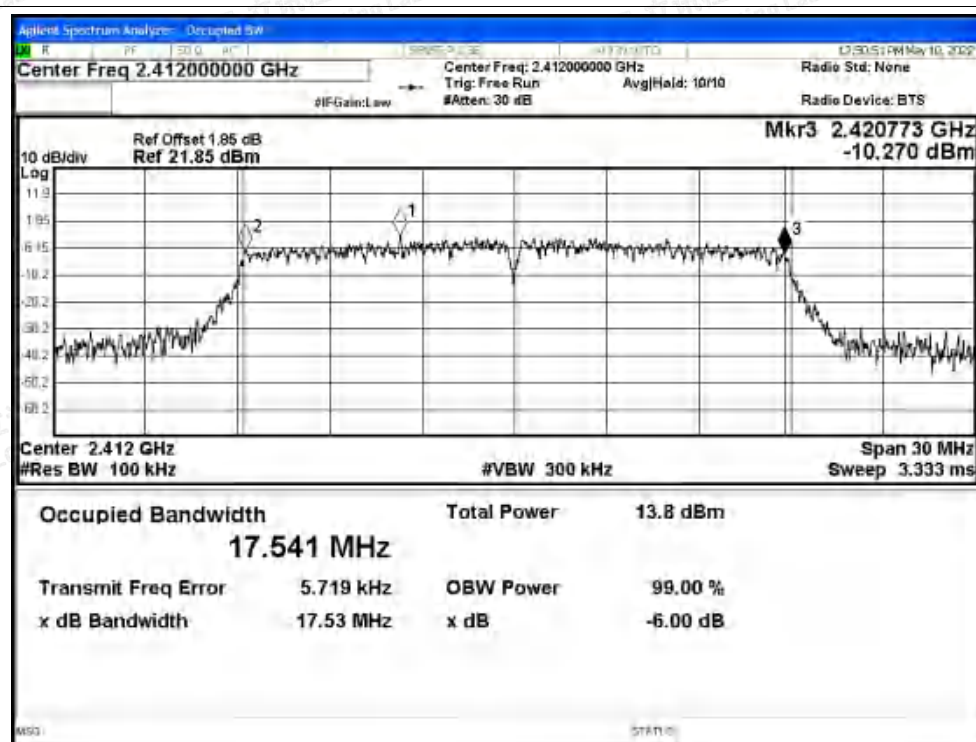
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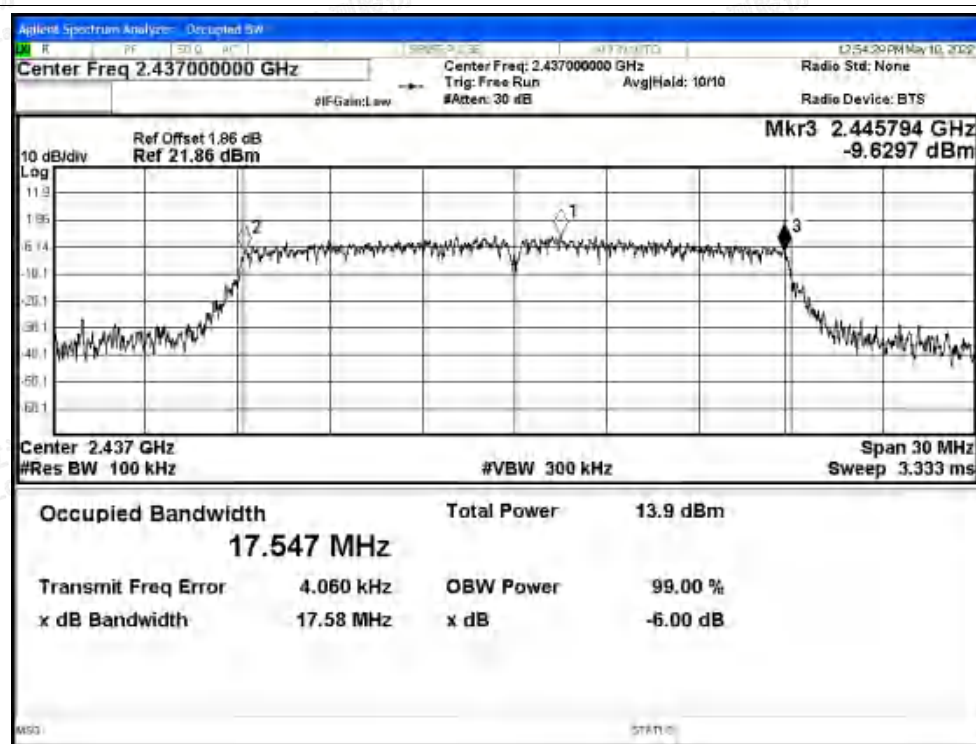
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6dB Bandwidth NVNT n20 2412MHz Ant1



6dB Bandwidth NVNT n20 2437MHz Ant1



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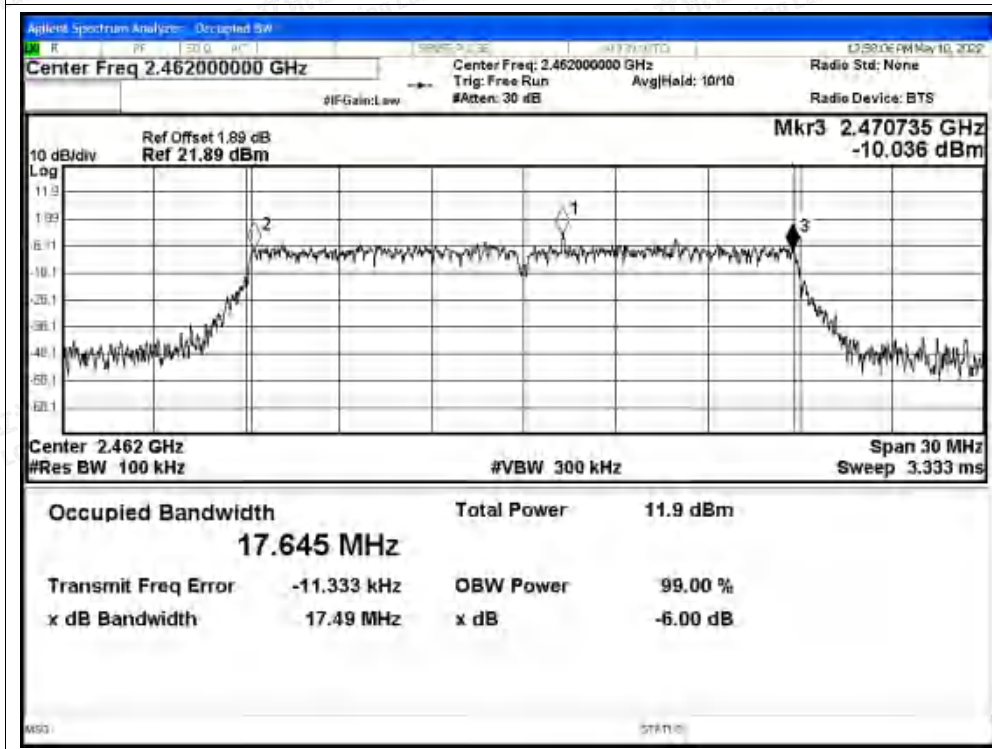
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A.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant0	19.17	30	Pass
NVNT	b	2437	Ant0	19.45	30	Pass
NVNT	b	2462	Ant0	19.48	30	Pass
NVNT	g	2412	Ant0	17.35	30	Pass
NVNT	g	2437	Ant0	17.56	30	Pass
NVNT	g	2462	Ant0	17.3	30	Pass
NVNT	n20	2412	Ant0	17.13	30	Pass
NVNT	n20	2437	Ant0	17.46	30	Pass
NVNT	n20	2462	Ant0	18.92	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	19.35	30	Pass
NVNT	b	2437	Ant1	19.42	30	Pass
NVNT	b	2462	Ant1	19.26	30	Pass
NVNT	g	2412	Ant1	17.09	30	Pass
NVNT	g	2437	Ant1	17.41	30	Pass
NVNT	g	2462	Ant1	17.47	30	Pass
NVNT	n20	2412	Ant1	17.08	30	Pass
NVNT	n20	2437	Ant1	17.4	30	Pass
NVNT	n20	2462	Ant1	17.43	30	Pass

MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			ANT0	ANT1	ANT0+ANT1		
NVNT	n20	2412	17.13	17.08	20.12	30	Pass
NVNT	n20	2437	17.46	17.4	20.44	30	Pass
NVNT	n20	2462	18.92	17.43	21.25	30	Pass



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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	b	2412	Ant0	-3.86	0	-3.86	8	Pass
NVNT	b	2437	Ant0	-5.32	0	-5.32	8	Pass
NVNT	b	2462	Ant0	-4.63	0	-4.63	8	Pass
NVNT	g	2412	Ant0	-10.42	0	-10.42	8	Pass
NVNT	g	2437	Ant0	-11.05	0	-11.05	8	Pass
NVNT	g	2462	Ant0	-9.74	0	-9.74	8	Pass
NVNT	n20	2412	Ant0	-9.82	0	-9.82	8	Pass
NVNT	n20	2437	Ant0	-9.36	0	-9.36	8	Pass
NVNT	n20	2462	Ant0	-10.32	0	-10.32	8	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-4.48	0	-4.48	8	Pass
NVNT	b	2437	Ant1	-3.74	0	-3.74	8	Pass
NVNT	b	2462	Ant1	-4.73	0	-4.73	8	Pass
NVNT	g	2412	Ant1	-10.17	0	-10.17	8	Pass
NVNT	g	2437	Ant1	-9.88	0	-9.88	8	Pass
NVNT	g	2462	Ant1	-9.5	0	-9.5	8	Pass
NVNT	n20	2412	Ant1	-10.12	0	-10.12	8	Pass
NVNT	n20	2437	Ant1	-9.93	0	-9.93	8	Pass
NVNT	n20	2462	Ant1	-12.19	0	-12.19	8	Pass

MIMO

Condition	Mode	Frequency (MHz)	Total PSD (dBm/3kHz)			Limit (dBm)	Verdict
			ANT0	ANT1	ANT0+ANT1		
NVNT	n20	2412	-9.82	-10.12	-6.96	8	Pass
NVNT	n20	2437	-9.36	-9.93	-6.63	8	Pass
NVNT	n20	2462	-10.32	-12.19	-8.14	8	Pass



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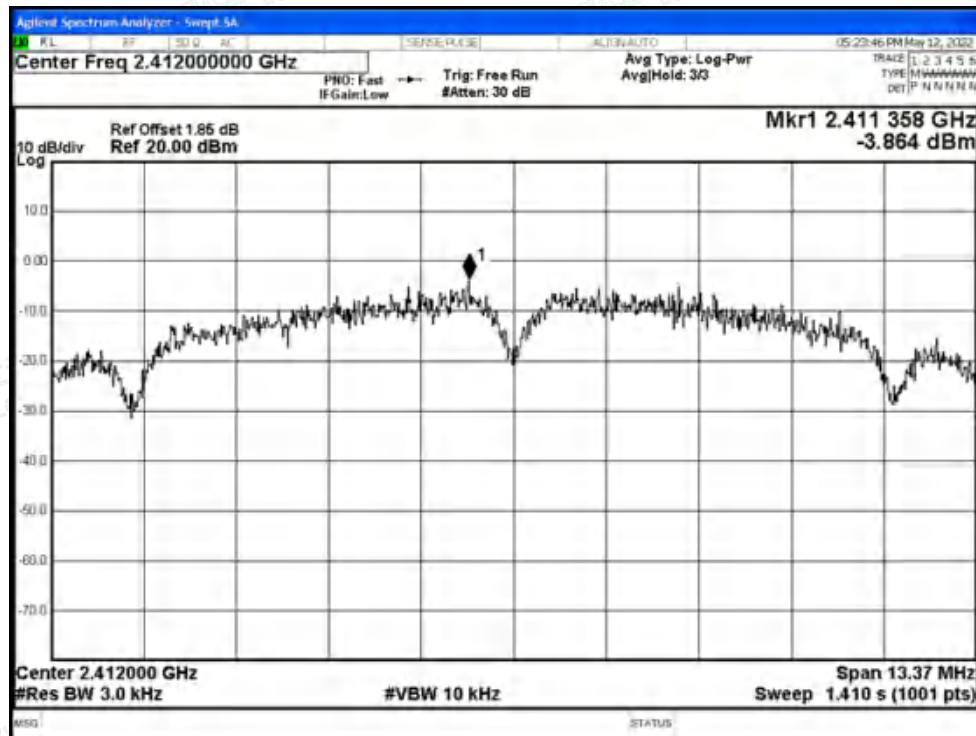
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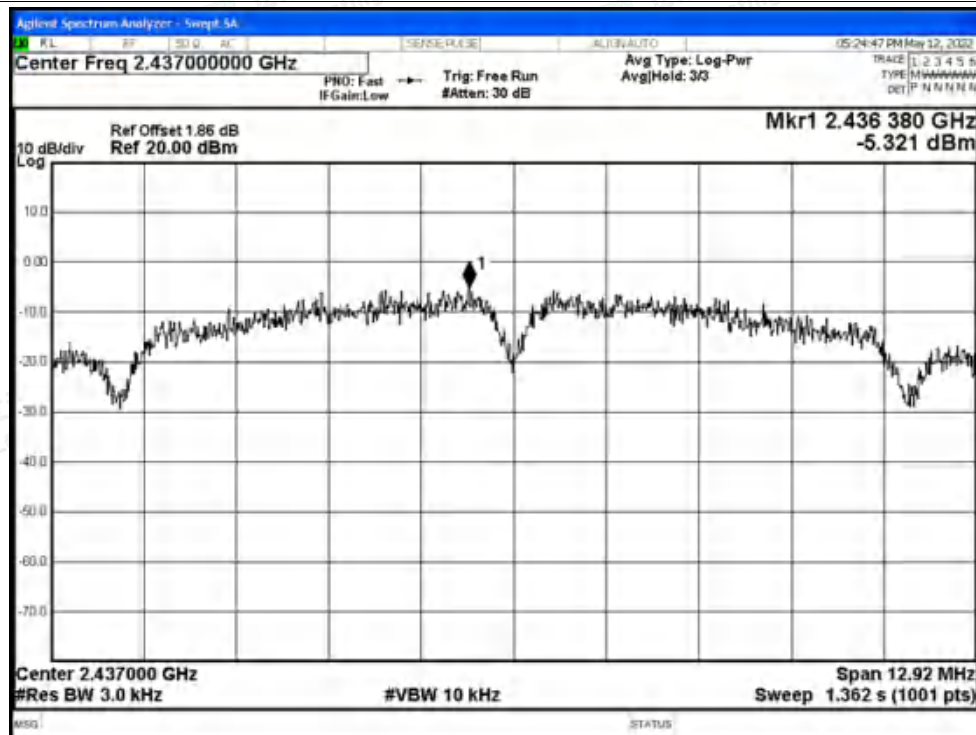


Test Graphs

PSD NVNT b 2412MHz Ant0



PSD NVNT b 2437MHz Ant0



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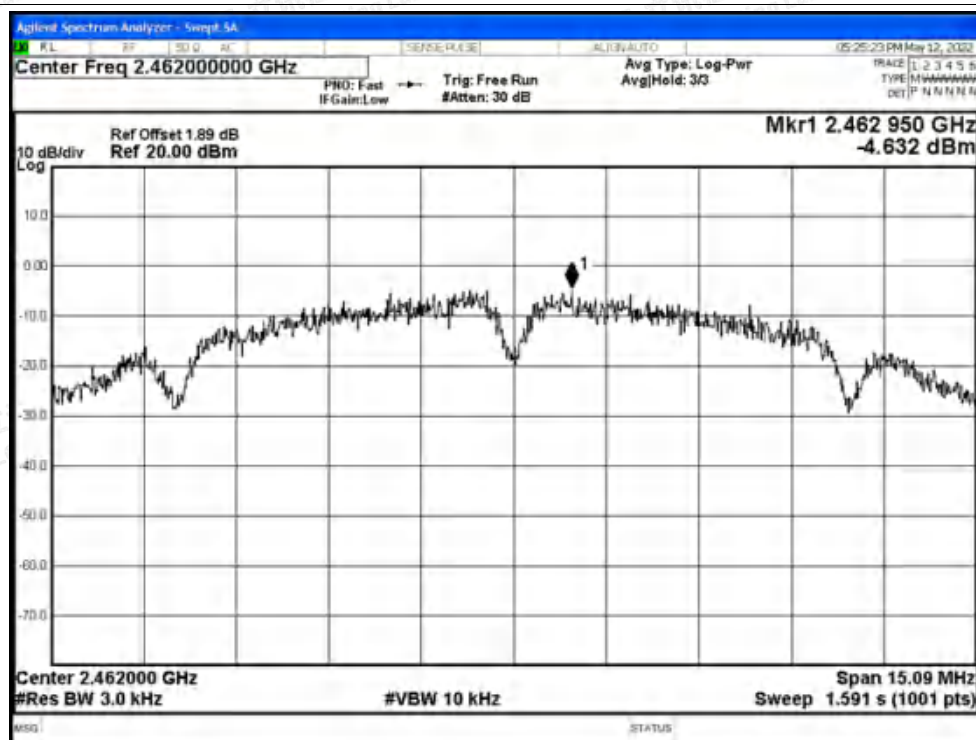
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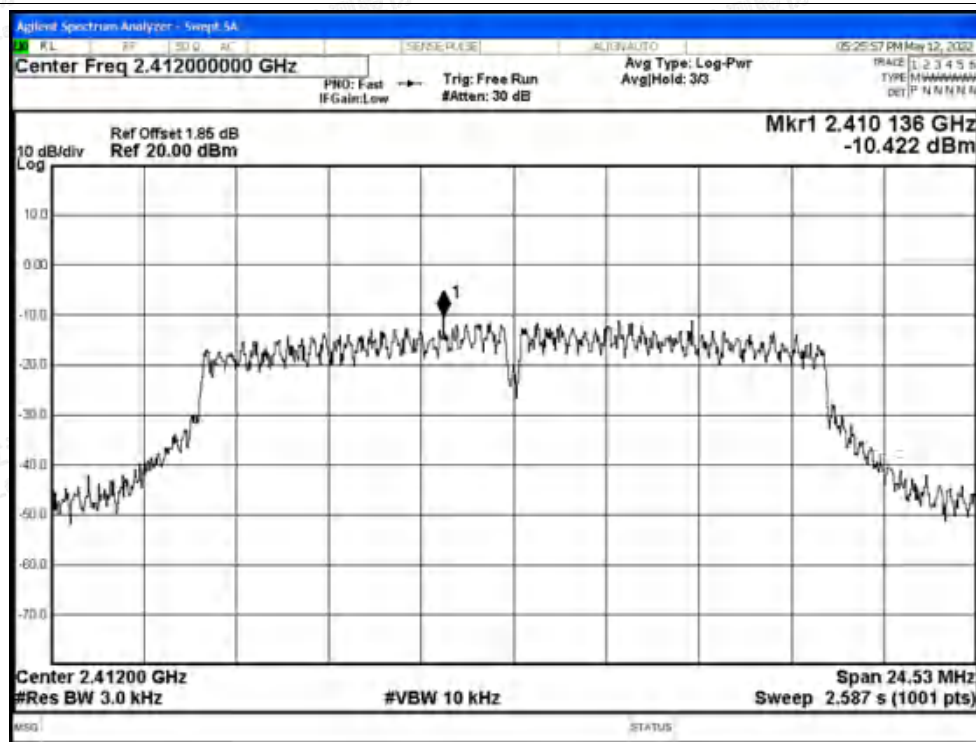
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PSD NVNT b 2462MHz Ant0



PSD NVNT g 2412MHz Ant0



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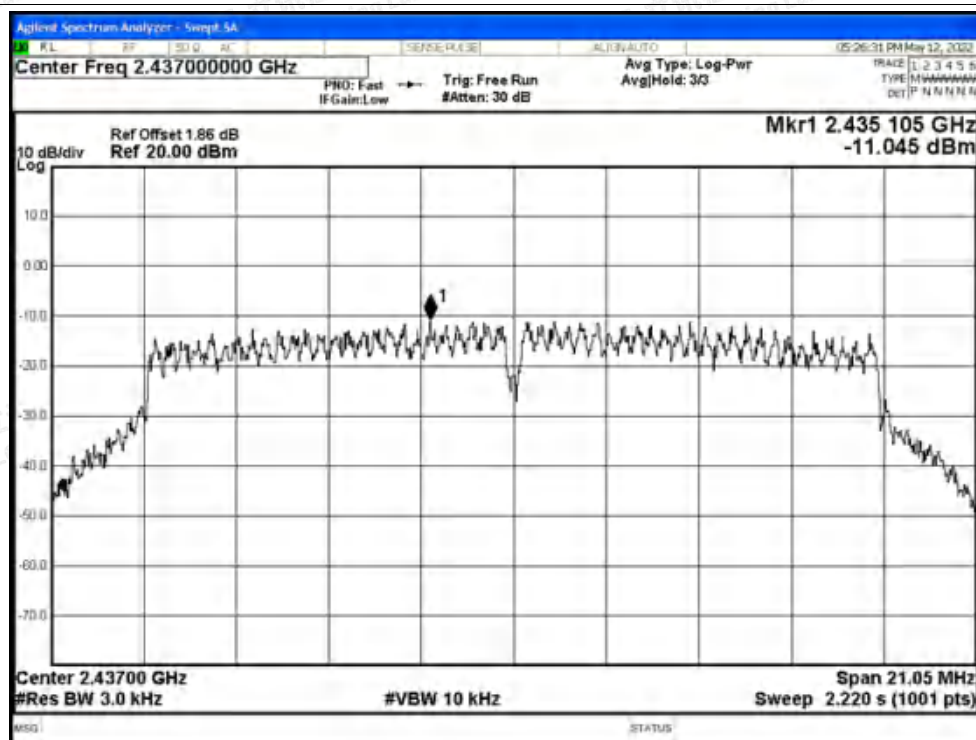
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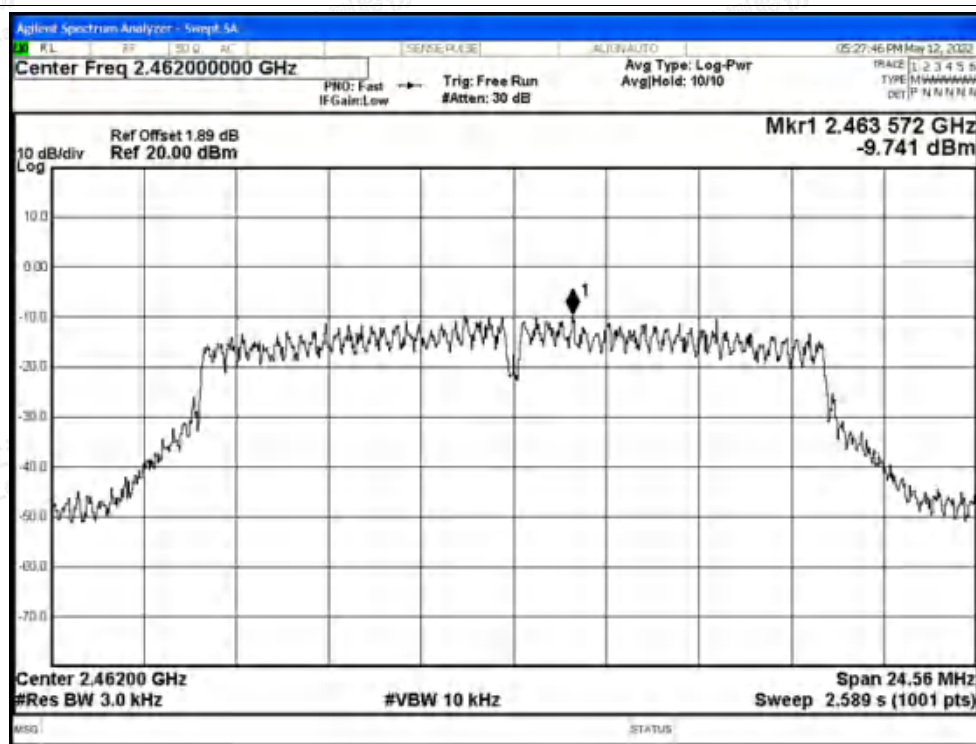
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PSD NVNT g 2437MHz Ant0



PSD NVNT g 2462MHz Ant0



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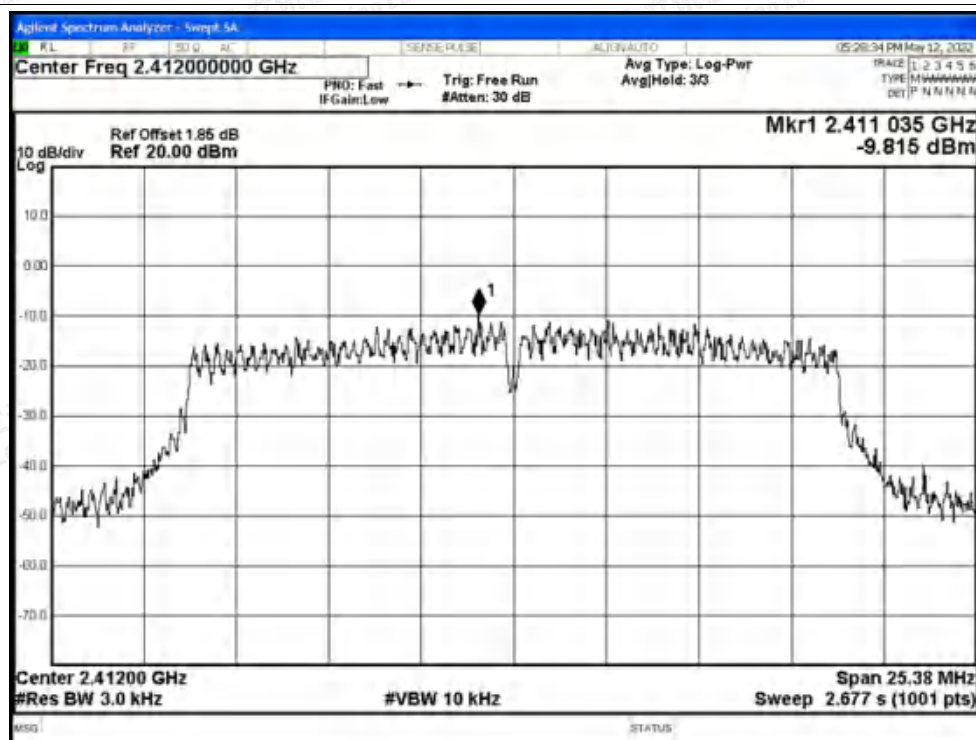
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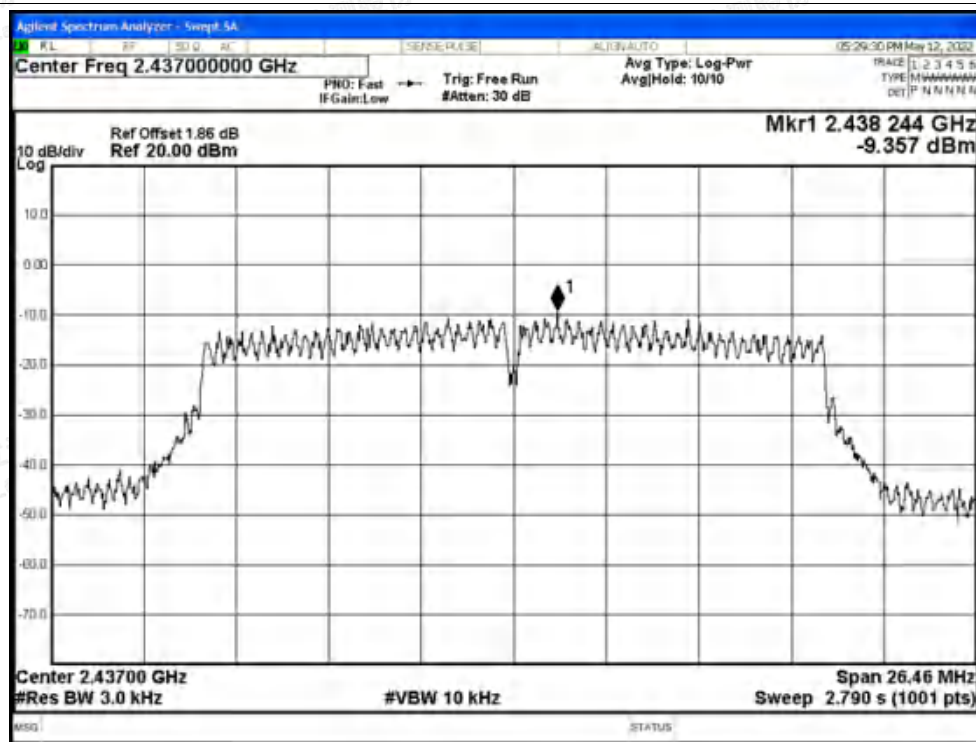
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PSD NVNT n20 2412MHz Ant0



PSD NVNT n20 2437MHz Ant0



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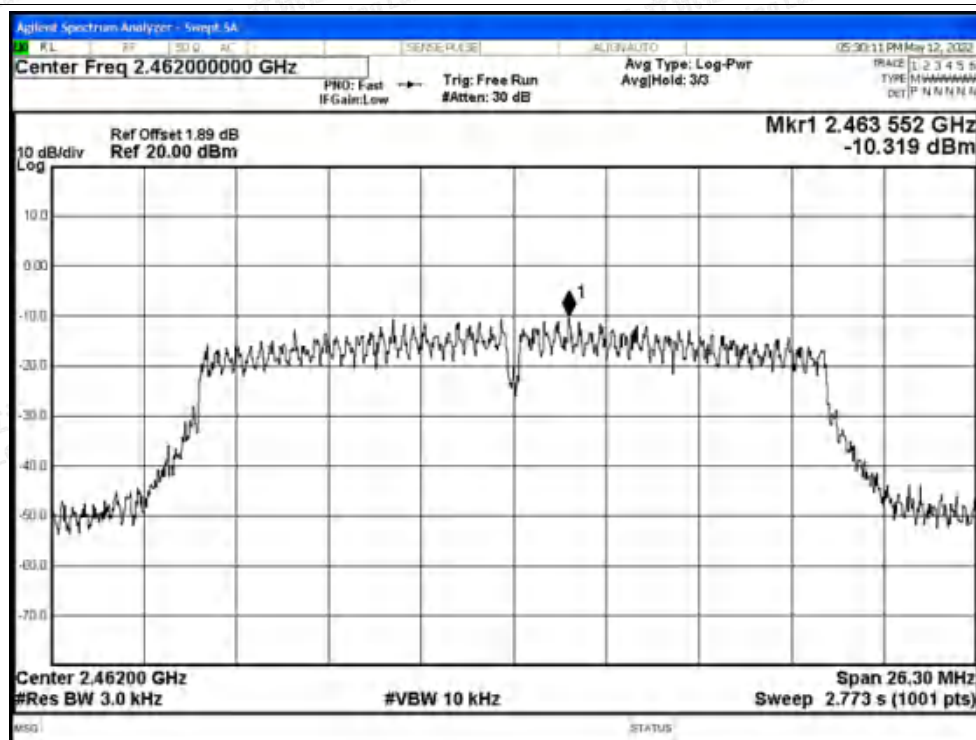
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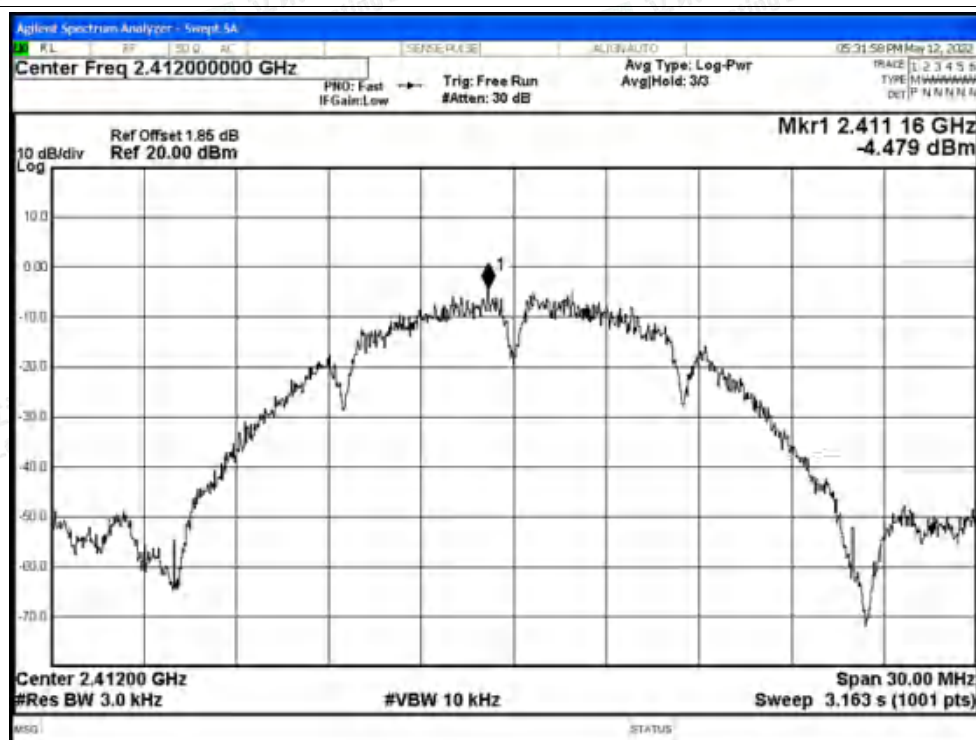


PSD NVNT n20 2462MHz Ant0



Test Graphs

PSD NVNT b 2412MHz Ant1



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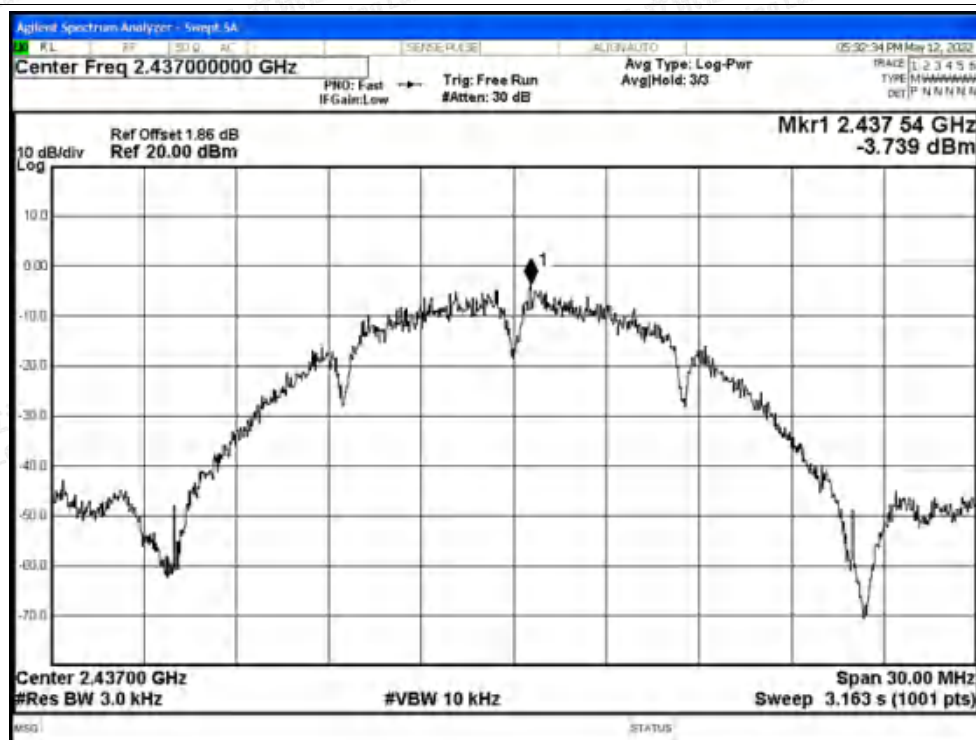
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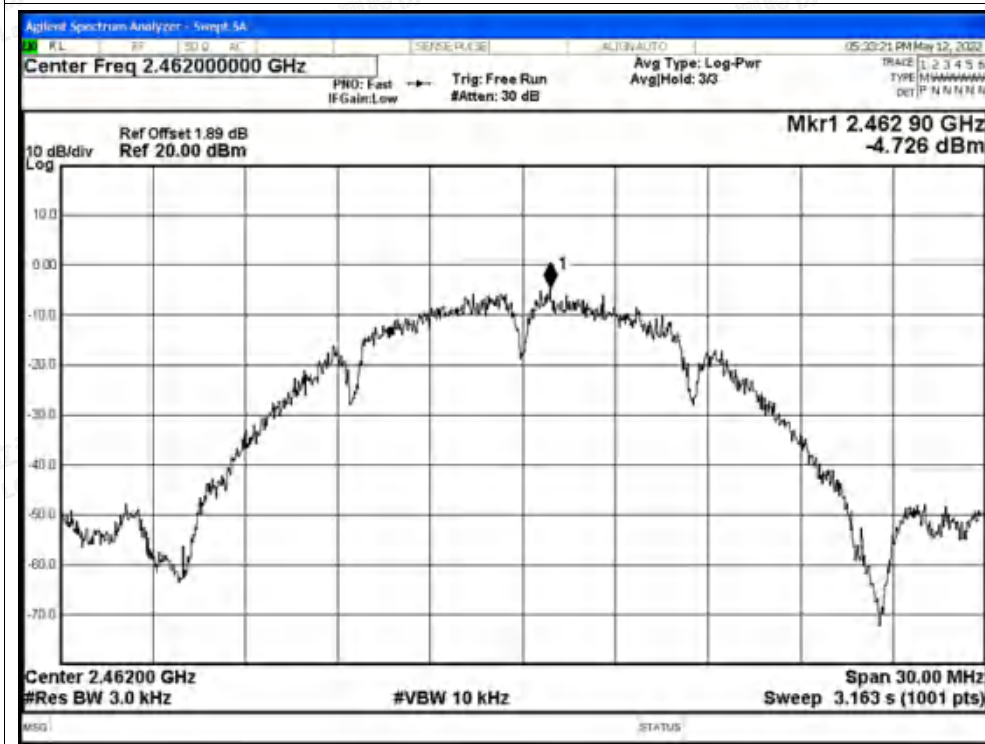
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PSD NVNT b 2437MHz Ant1



PSD NVNT b 2462MHz Ant1



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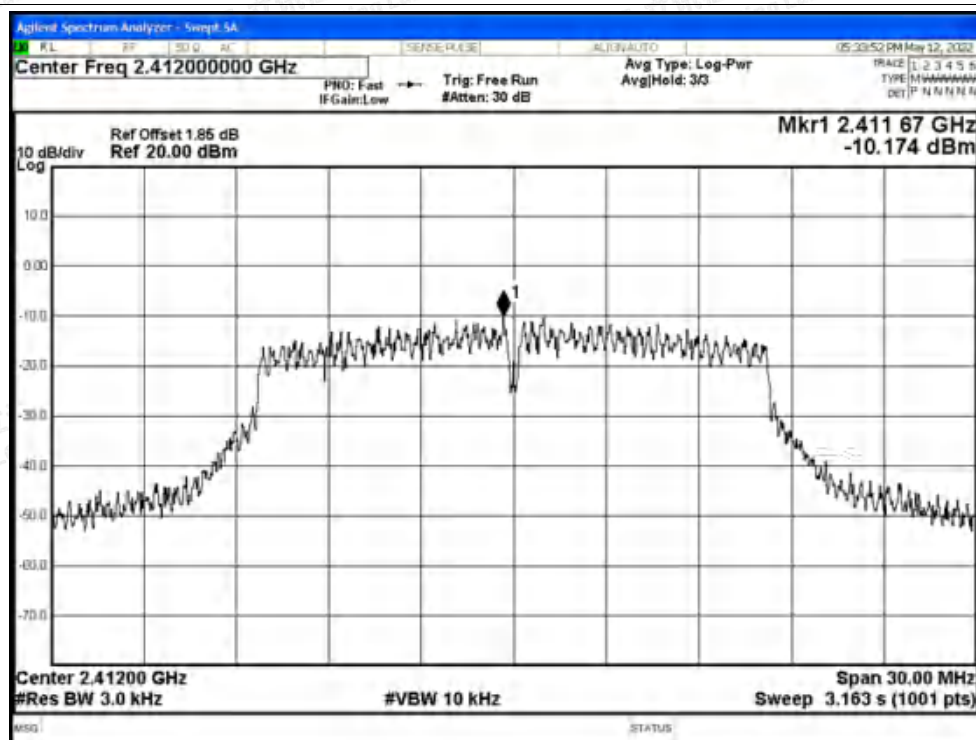
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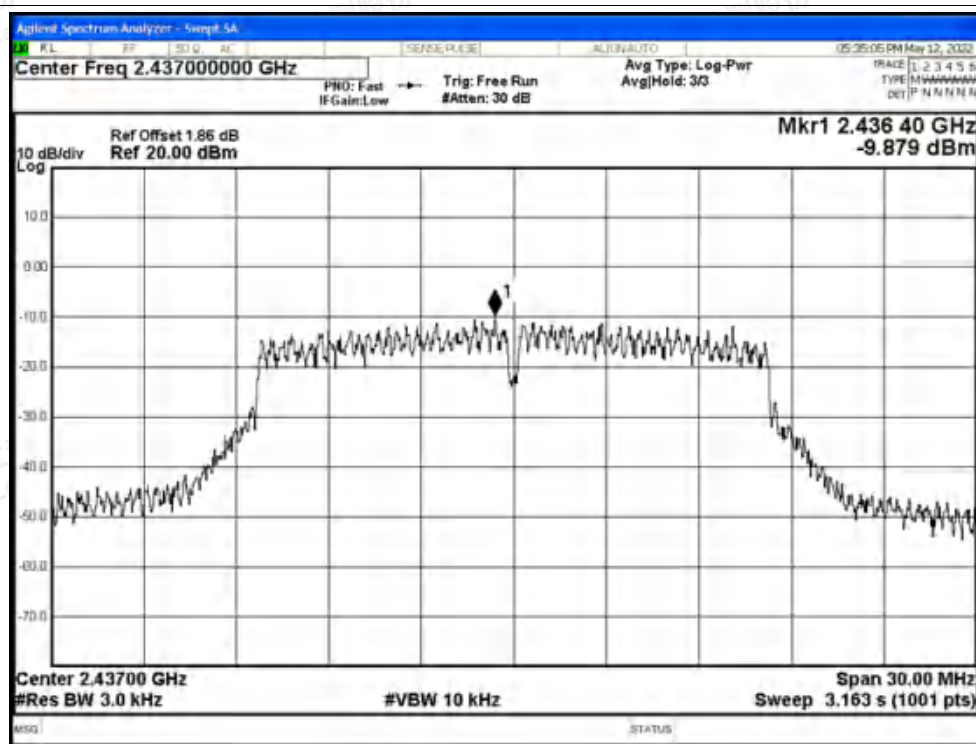
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PSD NVNT g 2412MHz Ant1



PSD NVNT g 2437MHz Ant1



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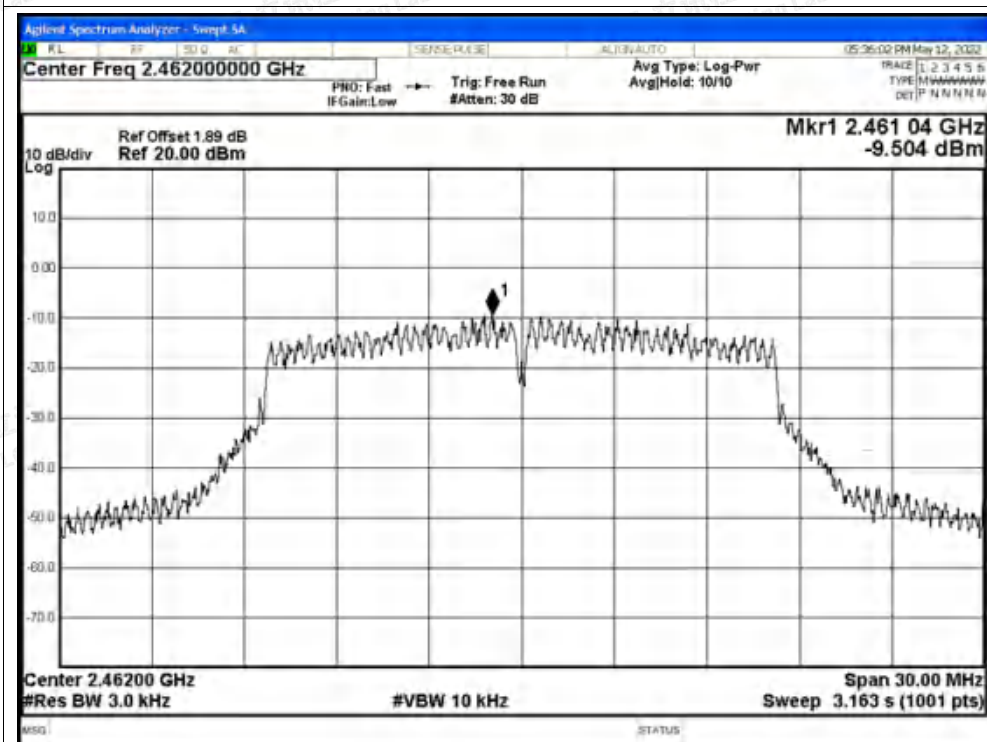
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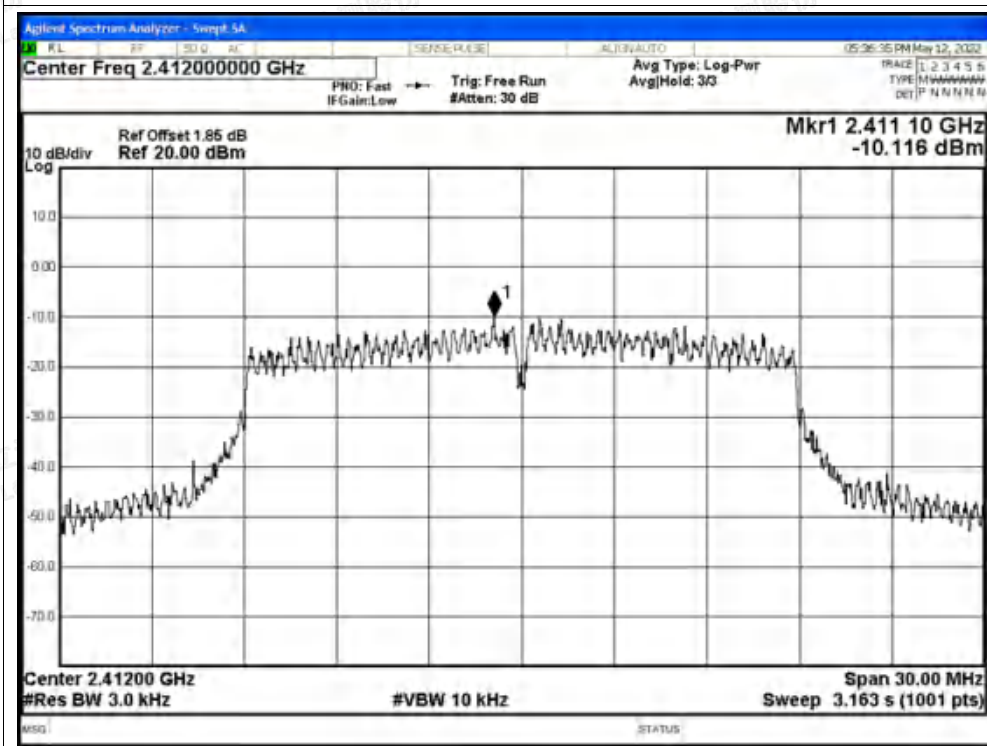
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PSD NVNT g 2462MHz Ant1



PSD NVNT n20 2412MHz Ant1



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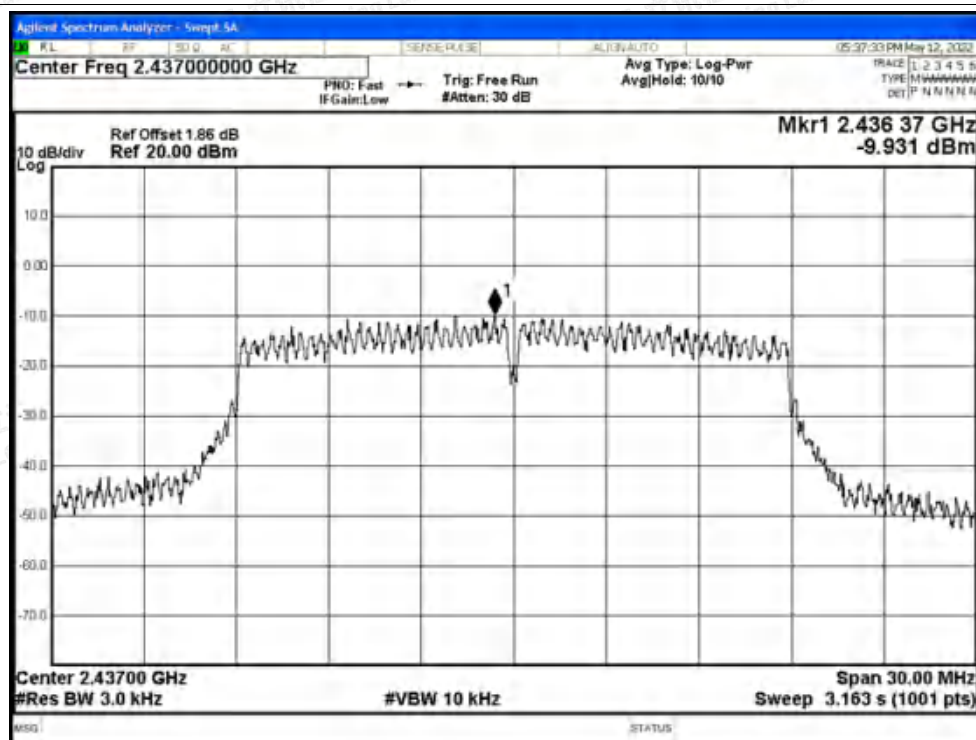
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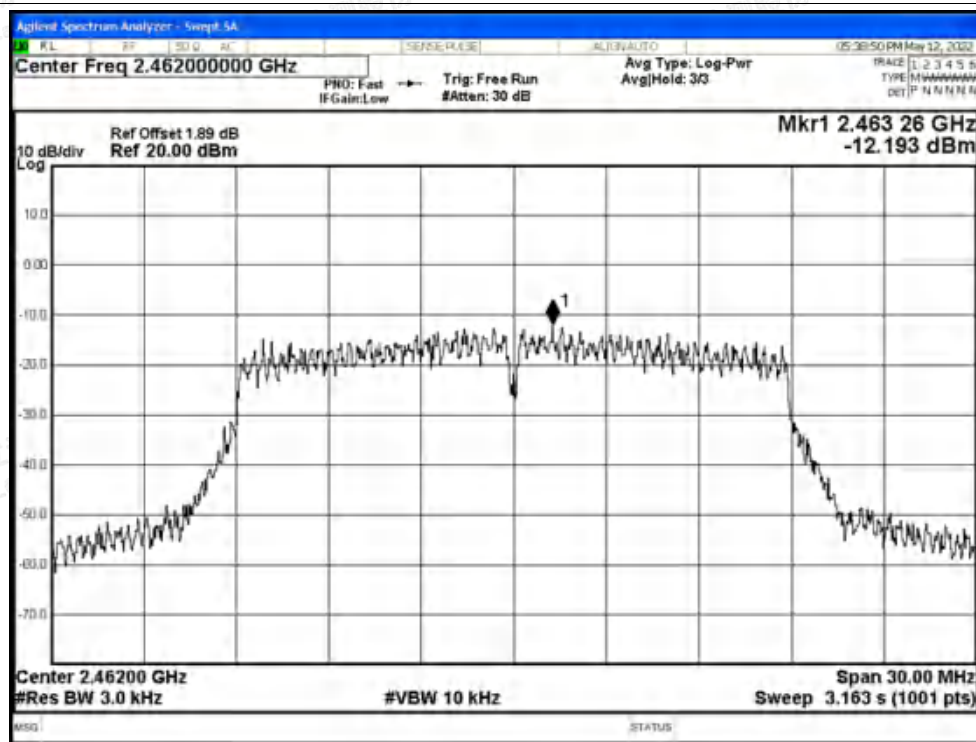
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PSD NVNT n20 2437MHz Ant1



PSD NVNT n20 2462MHz Ant1



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A.4 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant0	-42.84	-20	Pass
NVNT	b	2462	Ant0	-56.16	-20	Pass
NVNT	g	2412	Ant0	-35.82	-20	Pass
NVNT	g	2462	Ant0	-46.15	-20	Pass
NVNT	n20	2412	Ant0	-37.56	-20	Pass
NVNT	n20	2462	Ant0	-44.88	-20	Pass



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Test Graphs

Band Edge NVNT b 2412MHz Ant0 Ref



Band Edge NVNT b 2412MHz Ant0 Emission



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Band Edge NVNT b 2462MHz Ant0 Ref



Band Edge NVNT b 2462MHz Ant0 Emission



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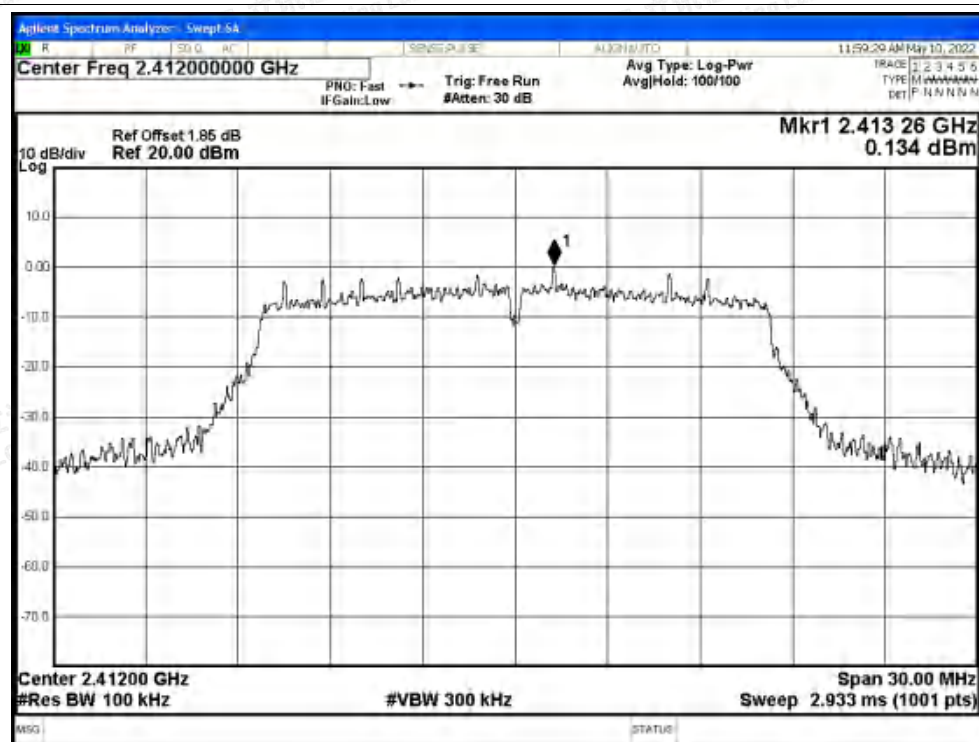
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Band Edge NVNT g 2412MHz Ant0 Emission



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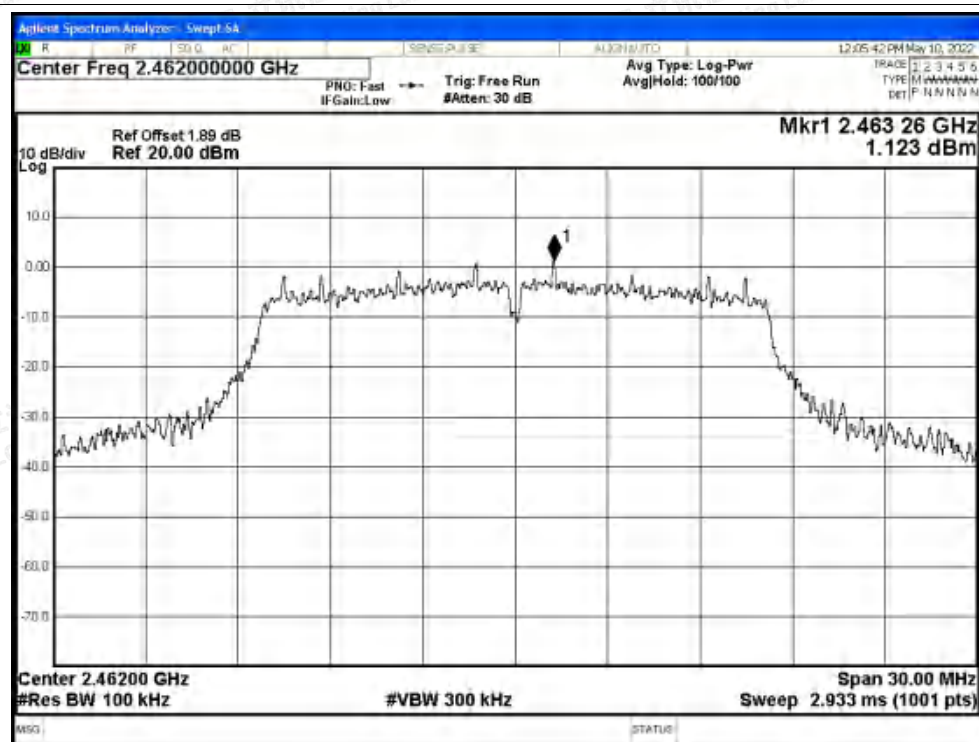
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

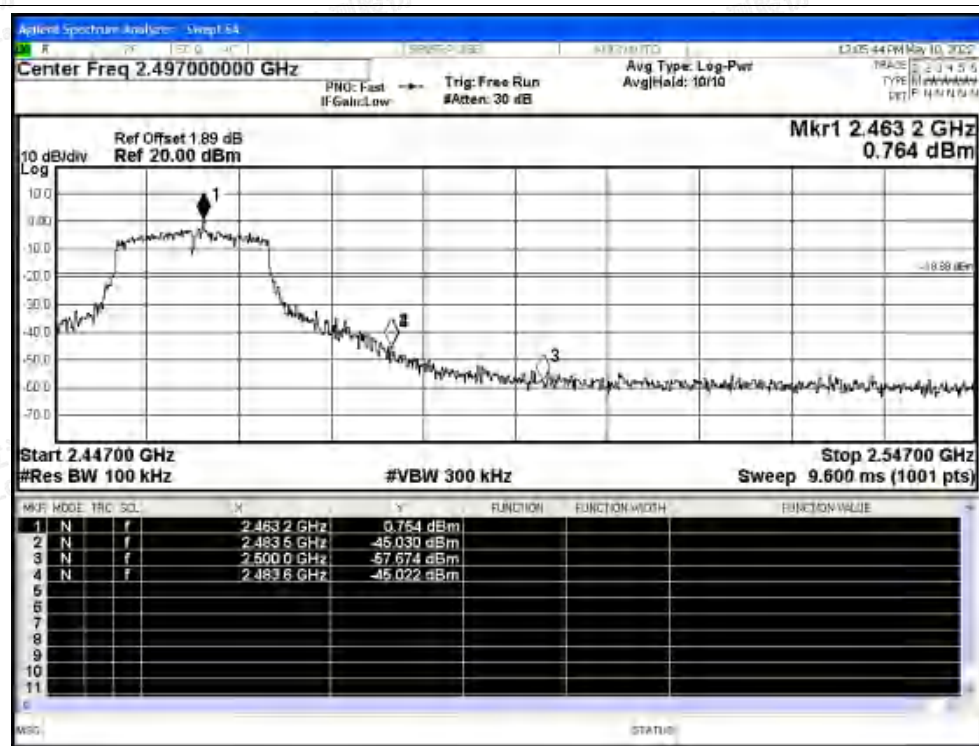
Scan code to check authenticity



Band Edge NVNT g 2462MHz Ant0 Ref



Band Edge NVNT g 2462MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

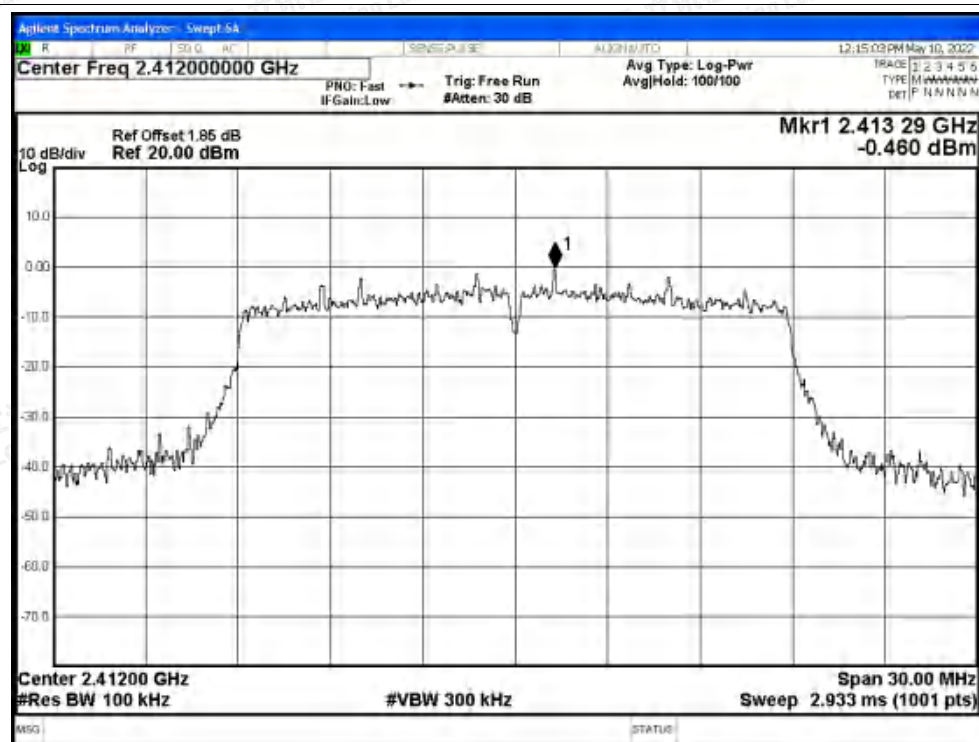
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Scan code to check authenticity



Band Edge NVNT n20 2412MHz Ant0 Ref



Band Edge NVNT n20 2412MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

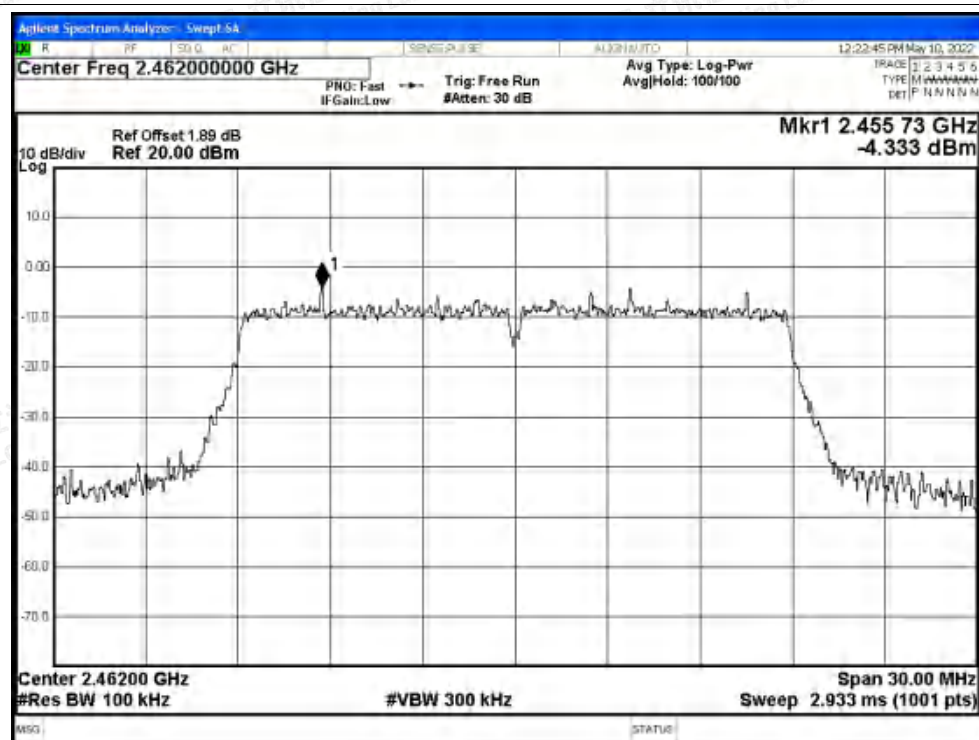
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

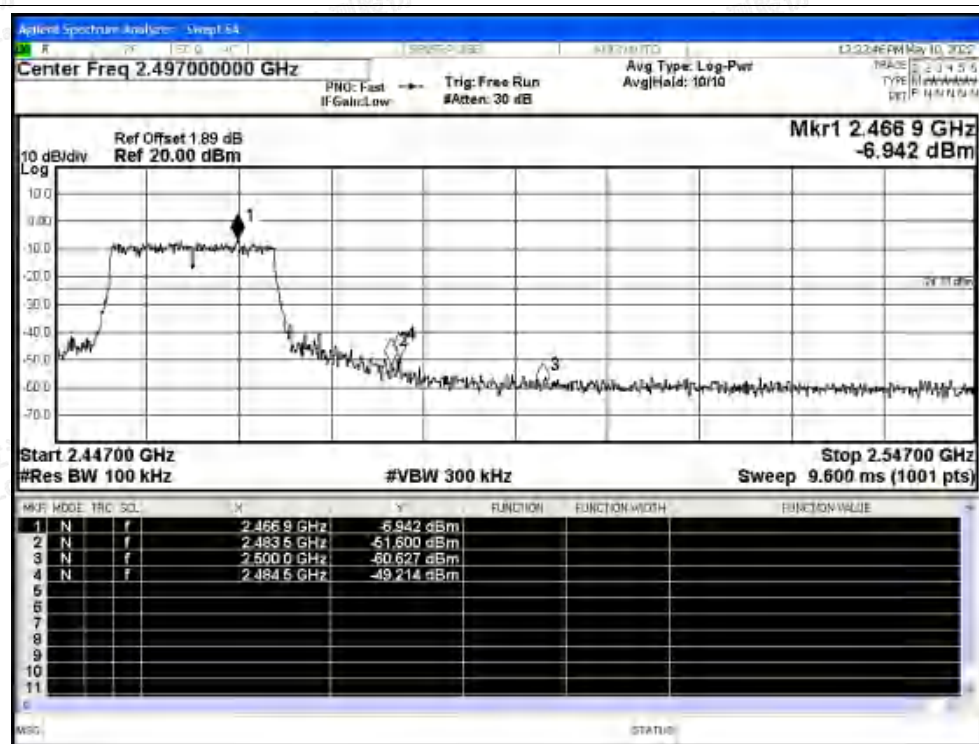
Scan code to check authenticity



Band Edge NVNT n20 2462MHz Ant0 Ref



Band Edge NVNT n20 2462MHz Ant0 Emission



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Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-45.21	-20	Pass
NVNT	b	2462	Ant1	-60.45	-20	Pass
NVNT	g	2412	Ant1	-36.21	-20	Pass
NVNT	g	2462	Ant1	-47.19	-20	Pass
NVNT	n20	2412	Ant1	-36.81	-20	Pass
NVNT	n20	2462	Ant1	-47.62	-20	Pass

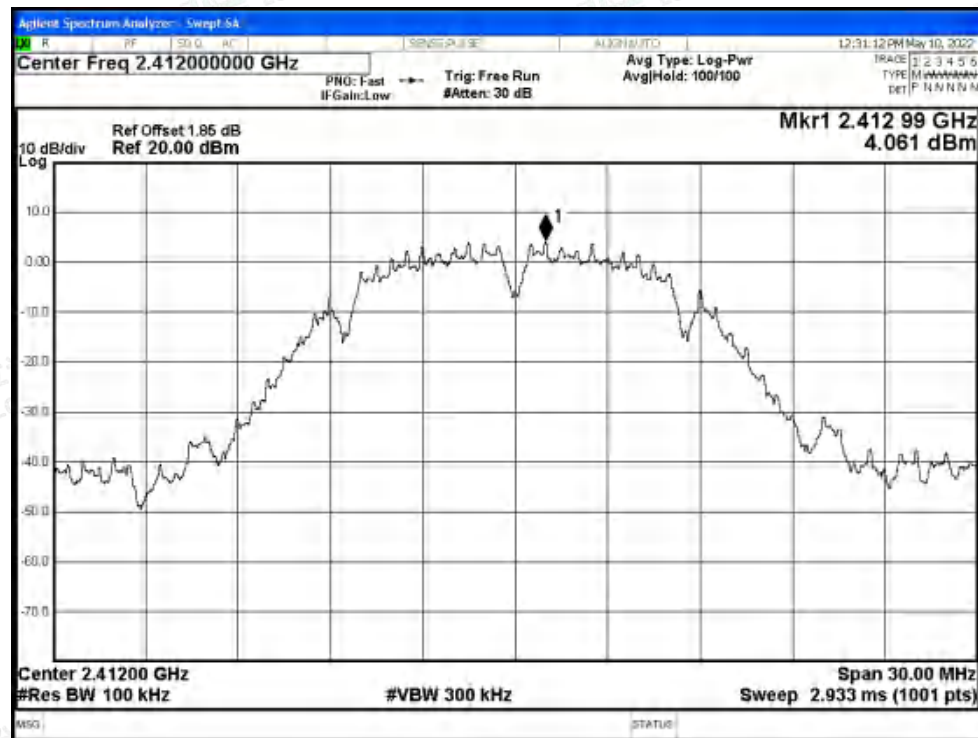


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518000, China
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Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



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

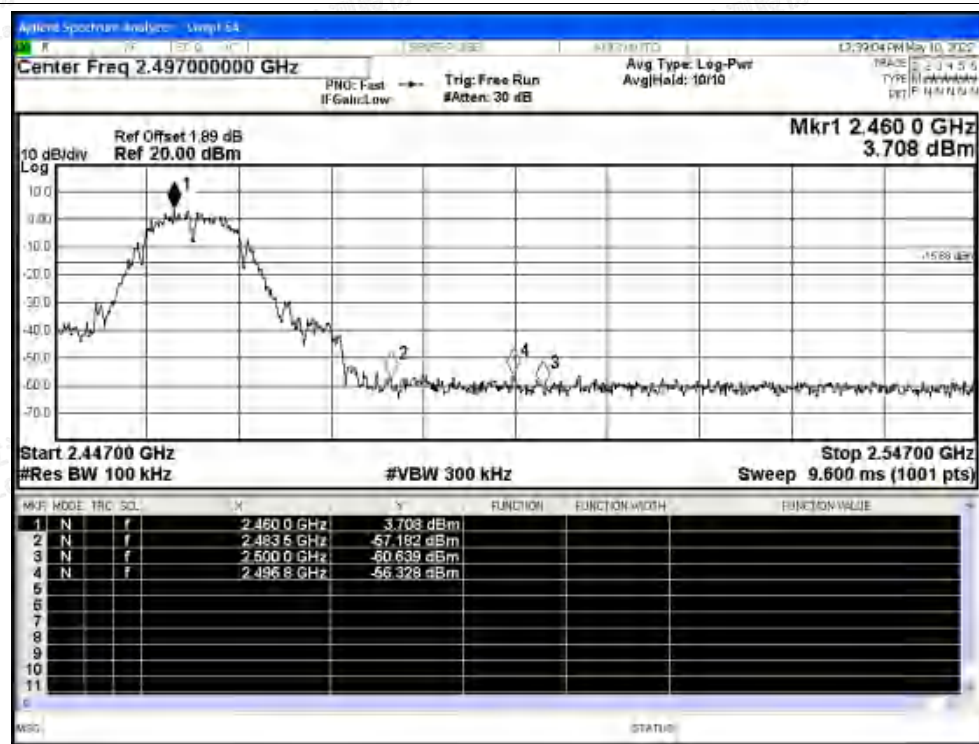
Scan code to check authenticity



Band Edge NVNT b 2462MHz Ant1 Ref



Band Edge NVNT b 2462MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

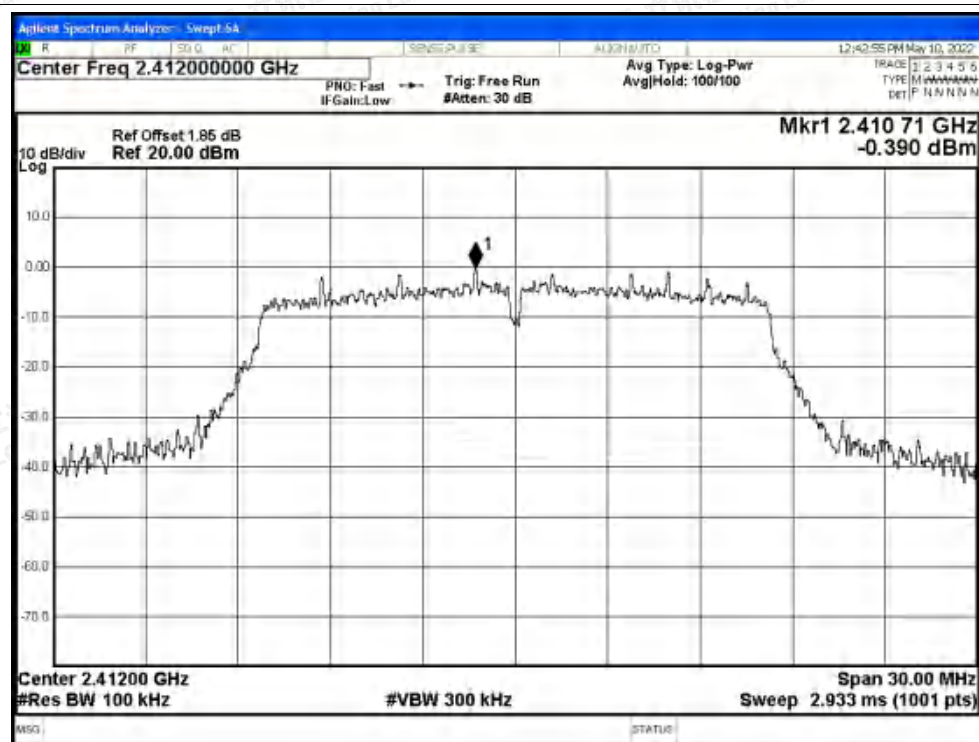
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Scan code to check authenticity



Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

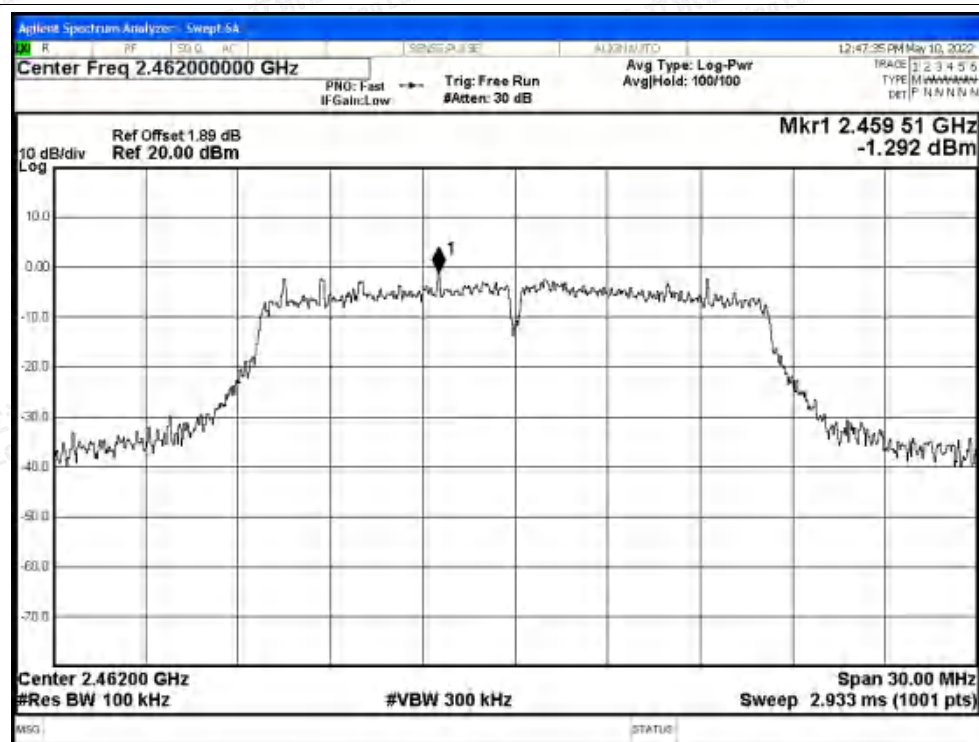
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Band Edge NVNT g 2462MHz Ant1 Ref



Band Edge NVNT g 2462MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

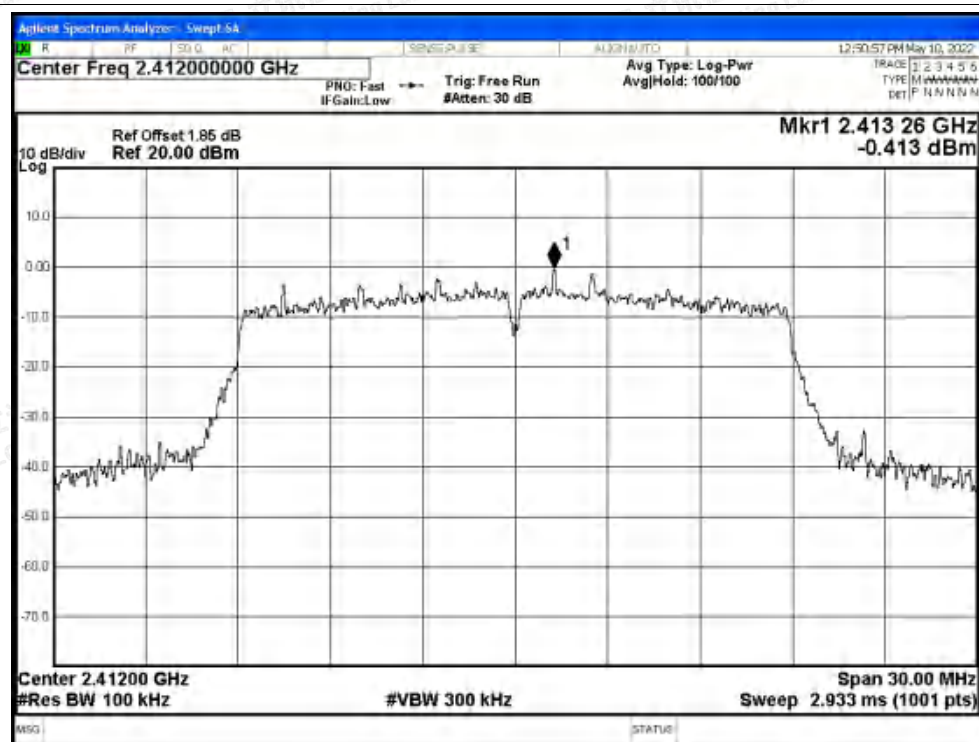
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Band Edge NVNT n20 2412MHz Ant1 Ref



Band Edge NVNT n20 2412MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

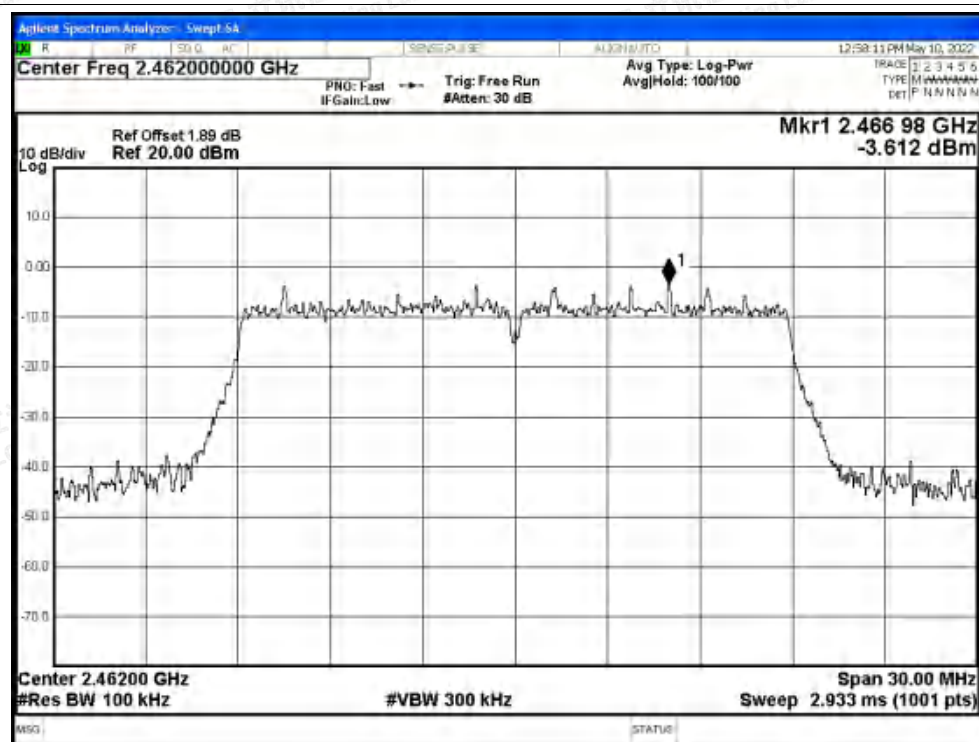
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

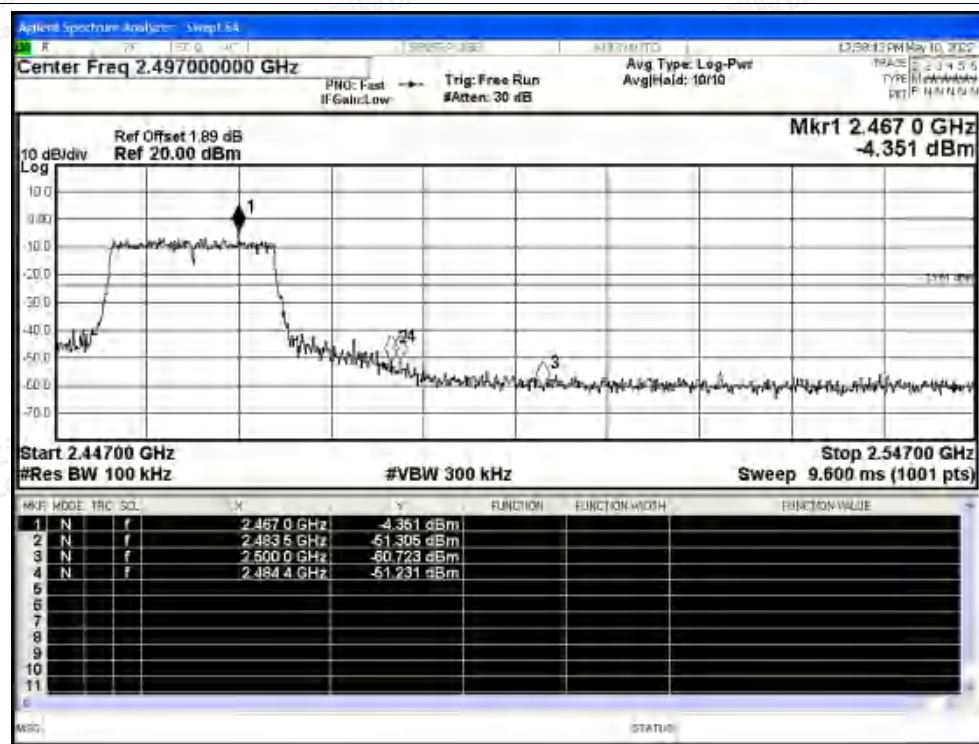
Scan code to check authenticity



Band Edge NVNT n20 2462MHz Ant1 Ref



Band Edge NVNT n20 2462MHz Ant1 Emission



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A.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant0	-42.36	-20	Pass
NVNT	b	2437	Ant0	-48.51	-20	Pass
NVNT	b	2462	Ant0	-37.85	-20	Pass
NVNT	g	2412	Ant0	-44.69	-20	Pass
NVNT	g	2437	Ant0	-45.02	-20	Pass
NVNT	g	2462	Ant0	-45.41	-20	Pass
NVNT	n20	2412	Ant0	-46.11	-20	Pass
NVNT	n20	2437	Ant0	-44.48	-20	Pass
NVNT	n20	2462	Ant0	-43.38	-20	Pass



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Scan code to check authenticity

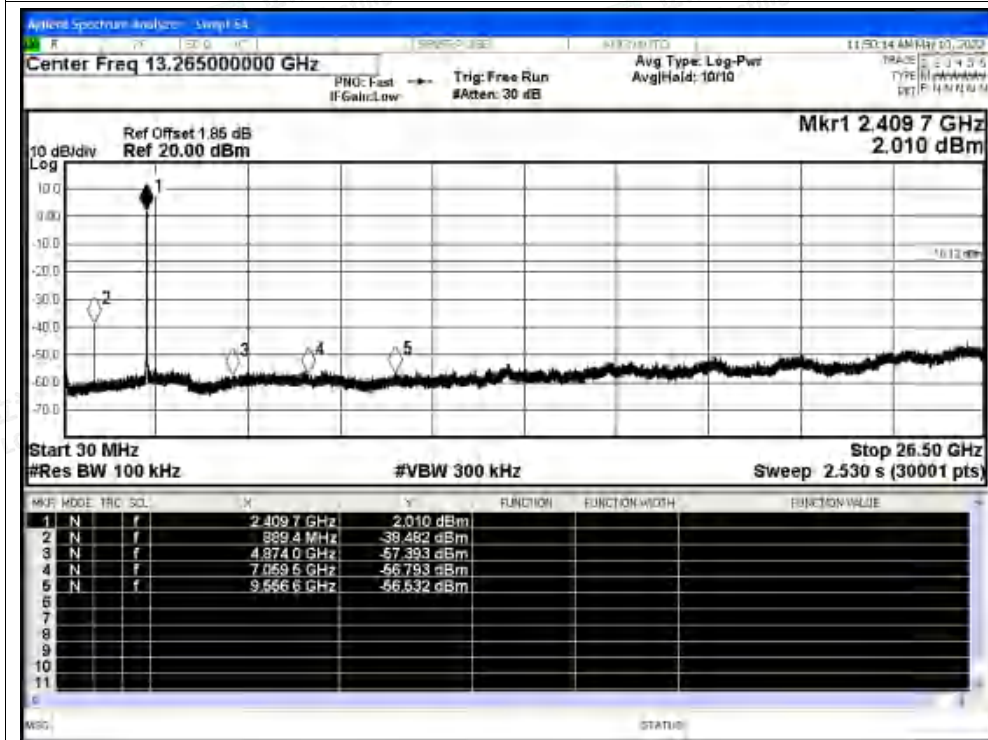


Test Graphs

Tx. Spurious NVNT b 2412MHz Ant0 Ref



Tx. Spurious NVNT b 2412MHz Ant0 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

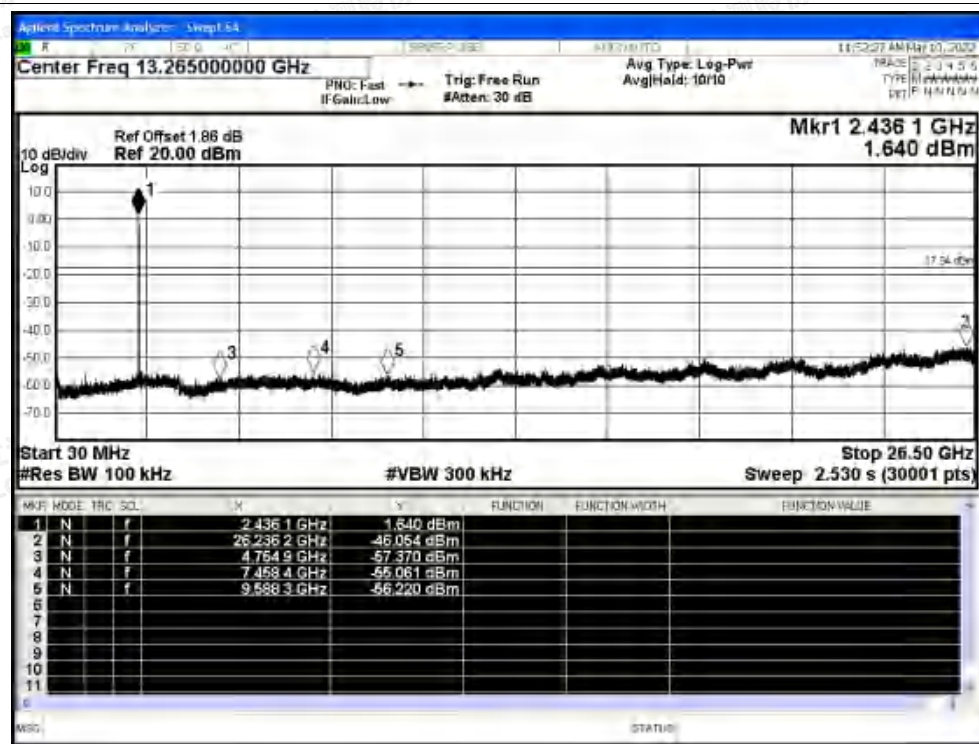
Scan code to check authenticity



Tx. Spurious NVNT b 2437MHz Ant0 Ref



Tx. Spurious NVNT b 2437MHz Ant0 Emission



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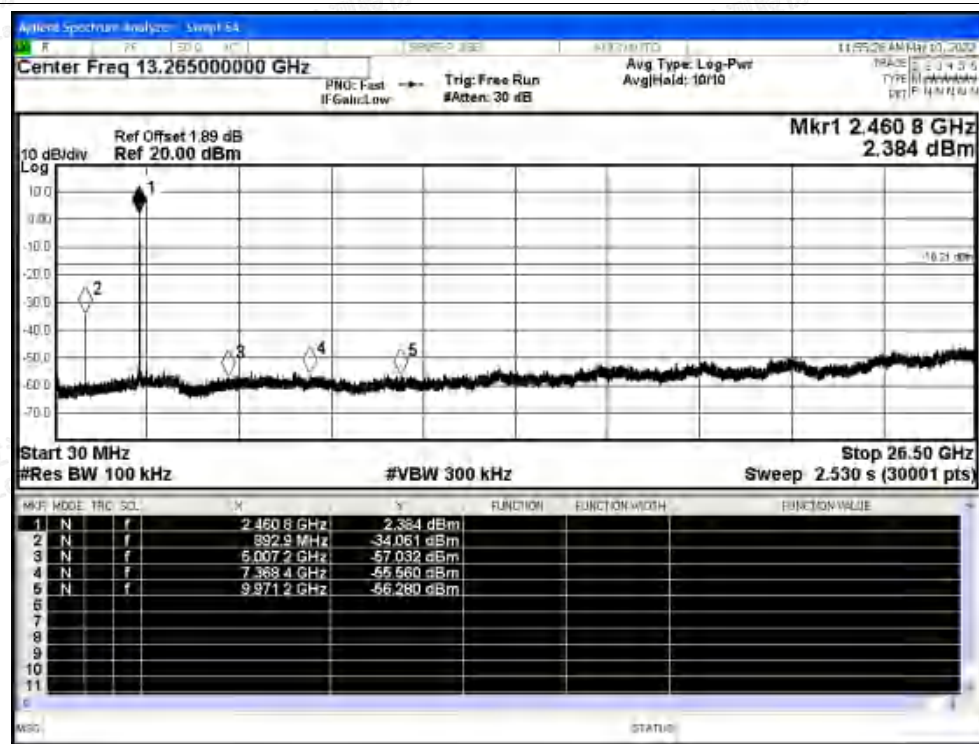
Scan code to check authenticity



Tx. Spurious NVNT b 2462MHz Ant0 Ref



Tx. Spurious NVNT b 2462MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

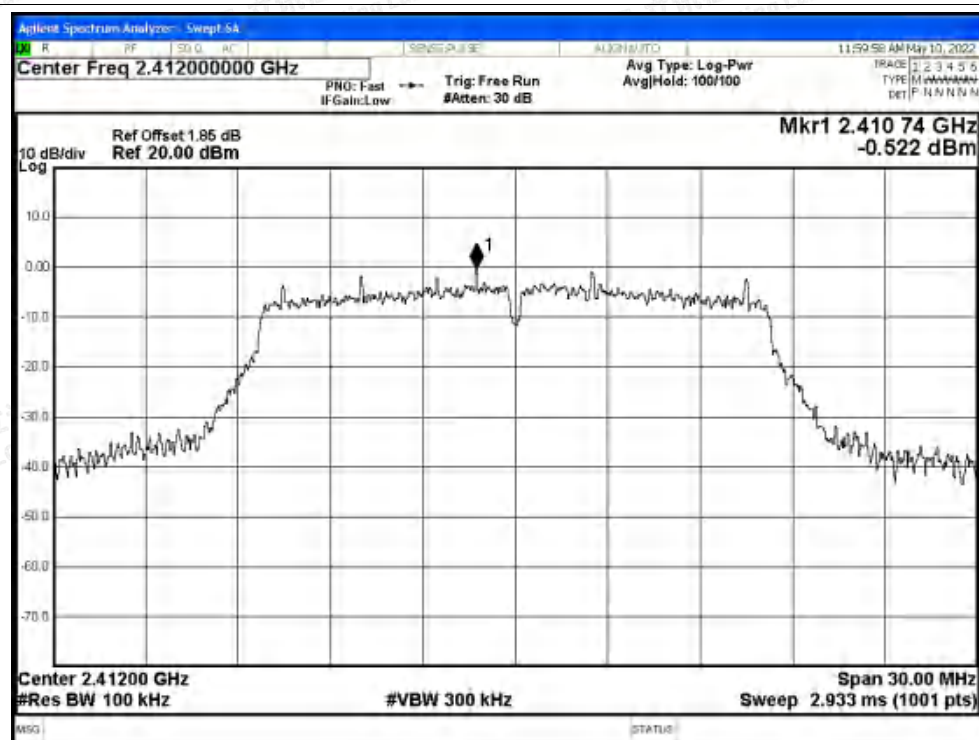
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

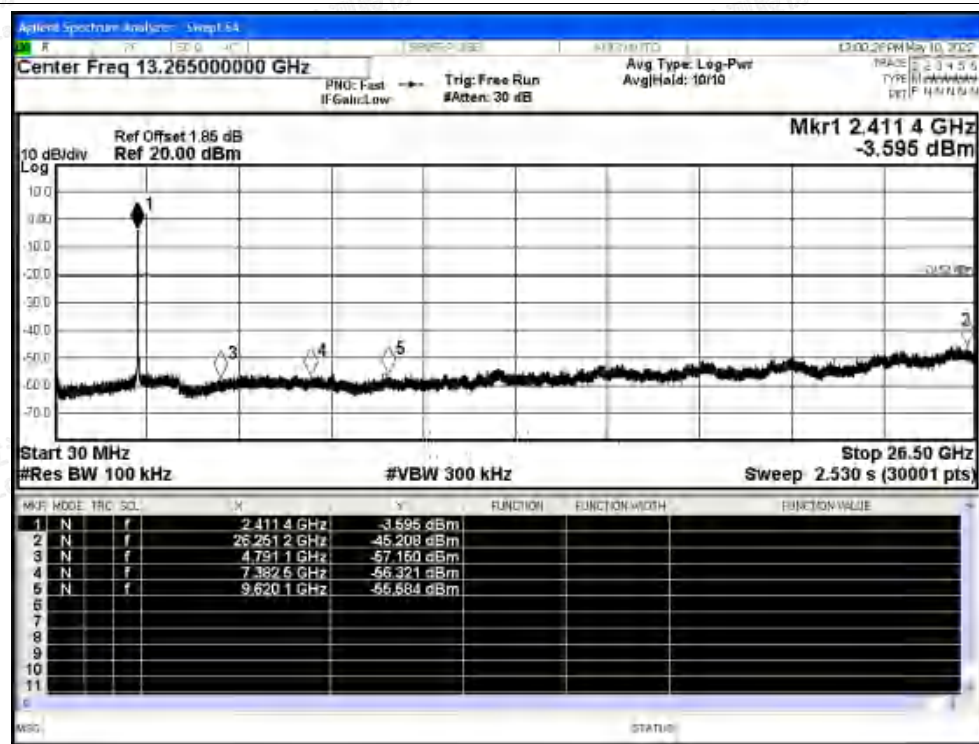
Scan code to check authenticity



Tx. Spurious NVNT g 2412MHz Ant0 Ref



Tx. Spurious NVNT g 2412MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

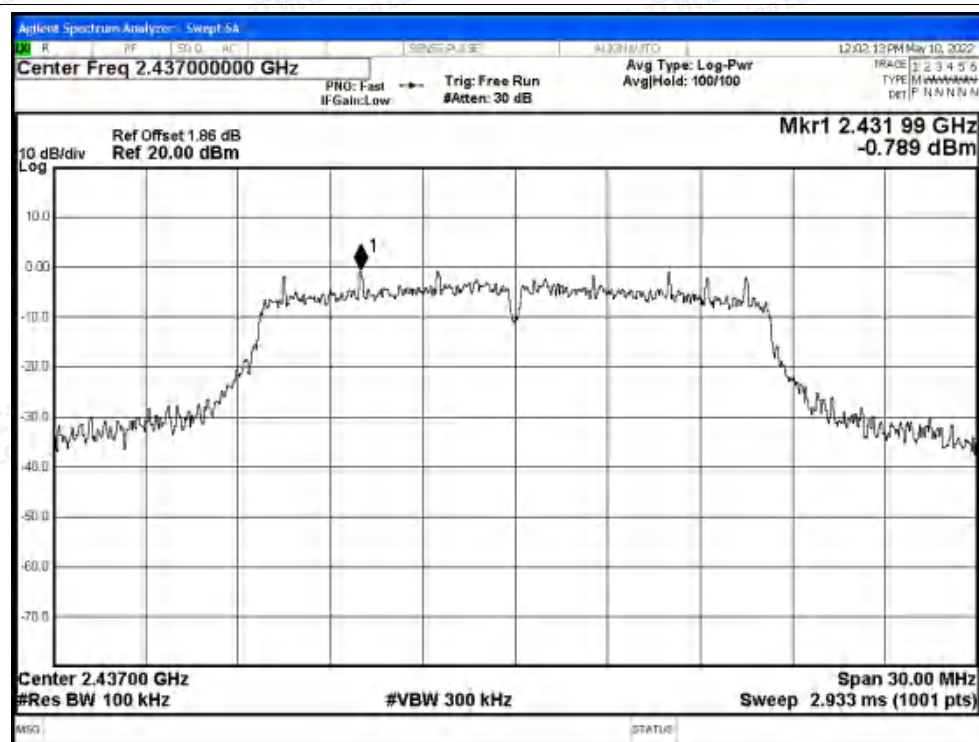
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

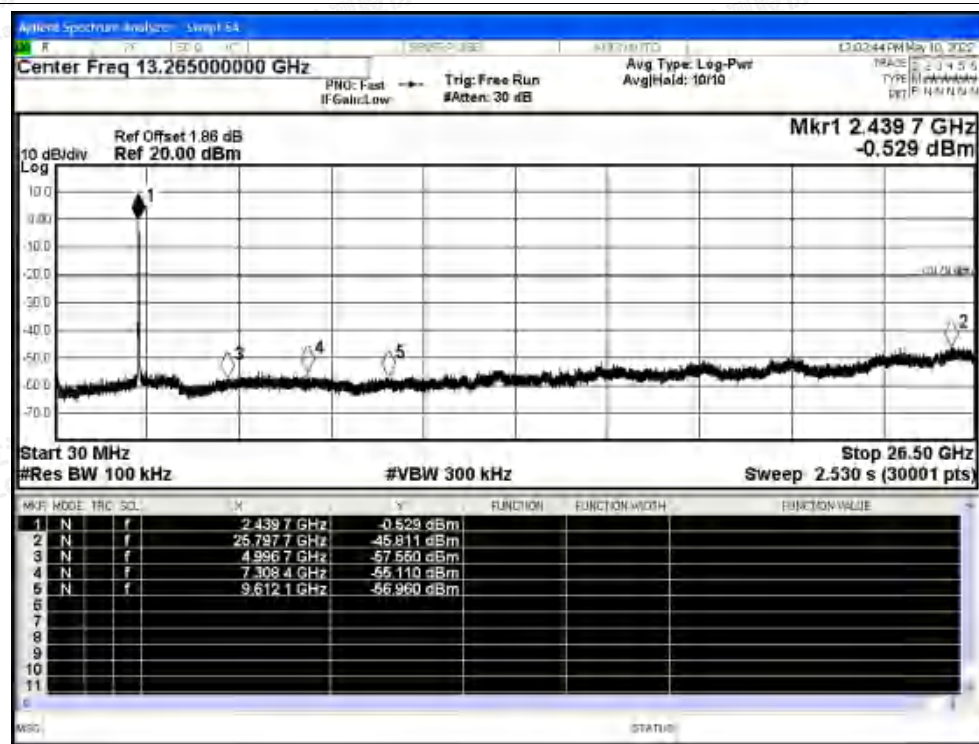
Scan code to check authenticity



Tx. Spurious NVNT g 2437MHz Ant0 Ref



Tx. Spurious NVNT g 2437MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

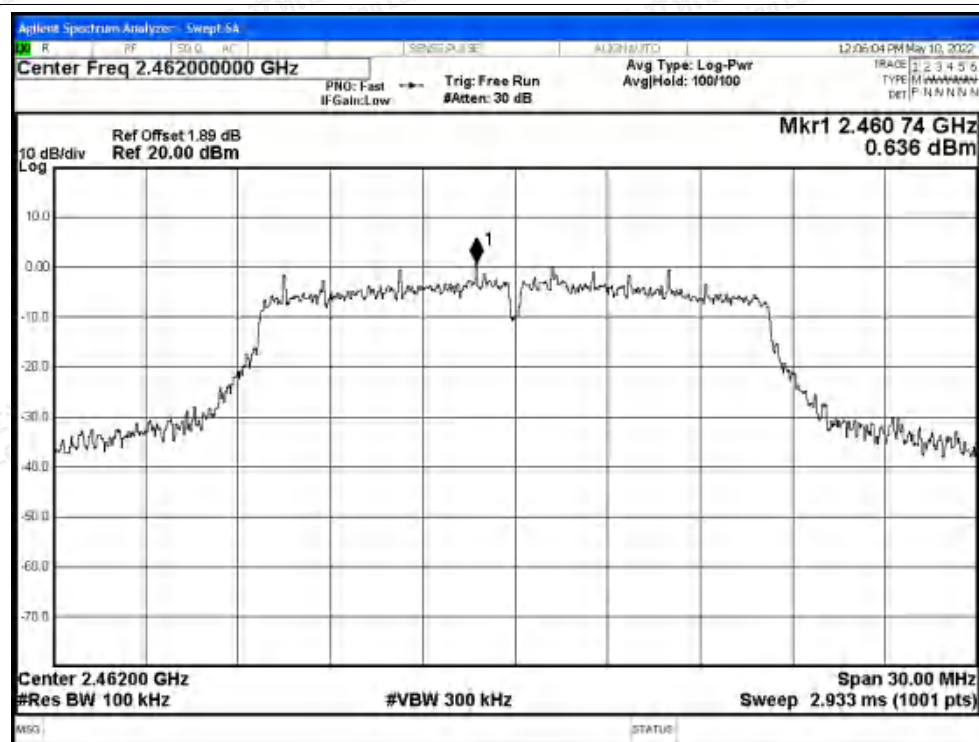
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

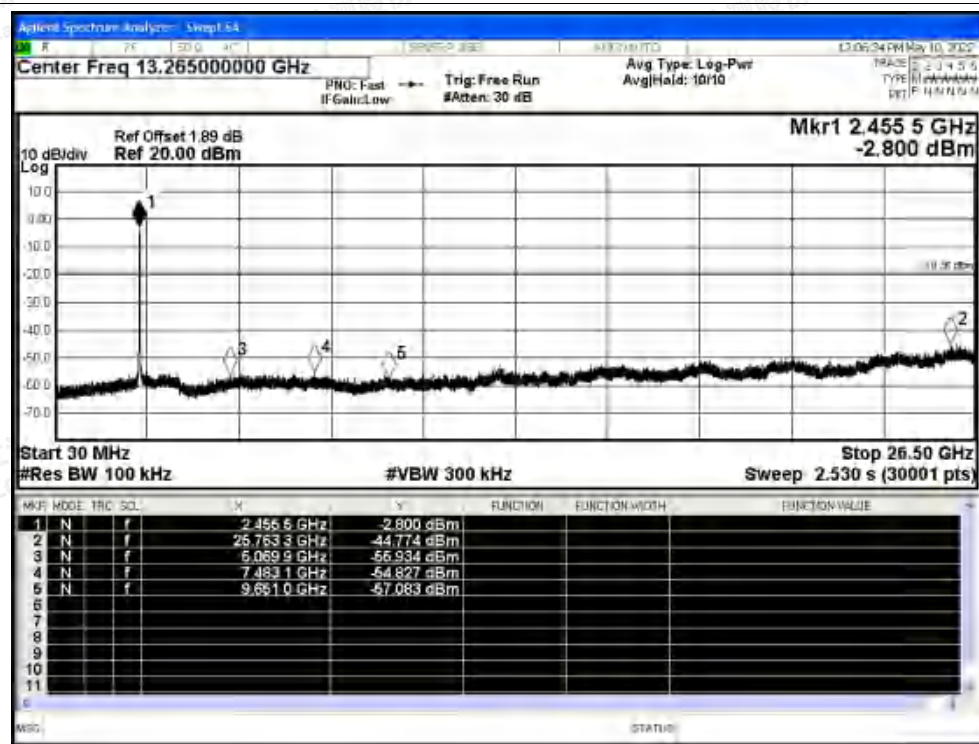
Scan code to check authenticity



Tx. Spurious NVNT g 2462MHz Ant0 Ref



Tx. Spurious NVNT g 2462MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

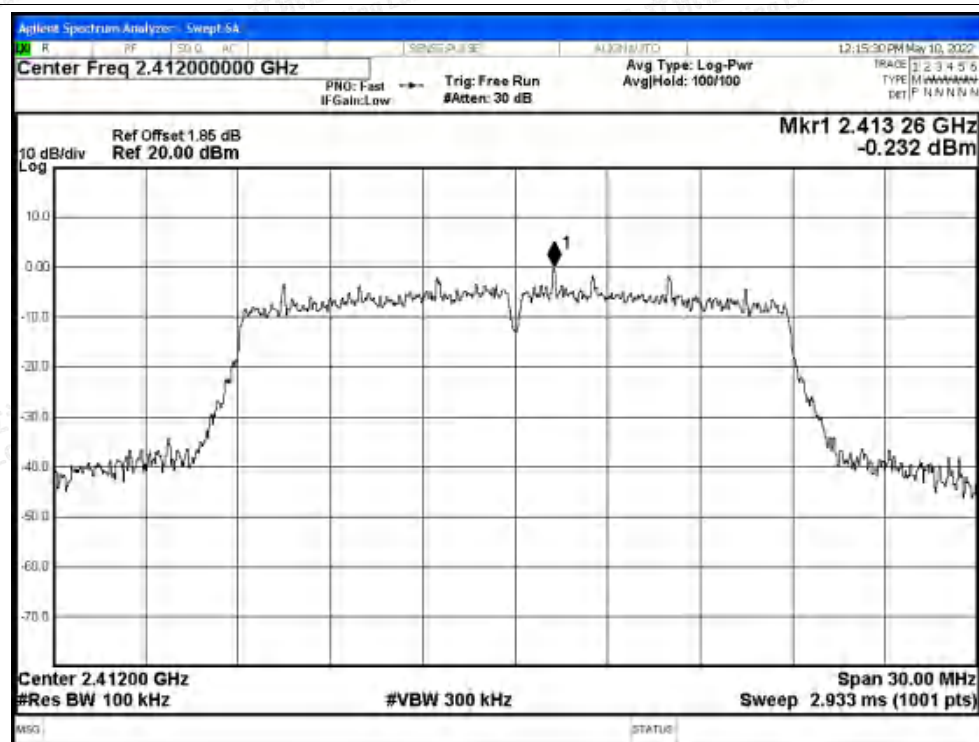
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

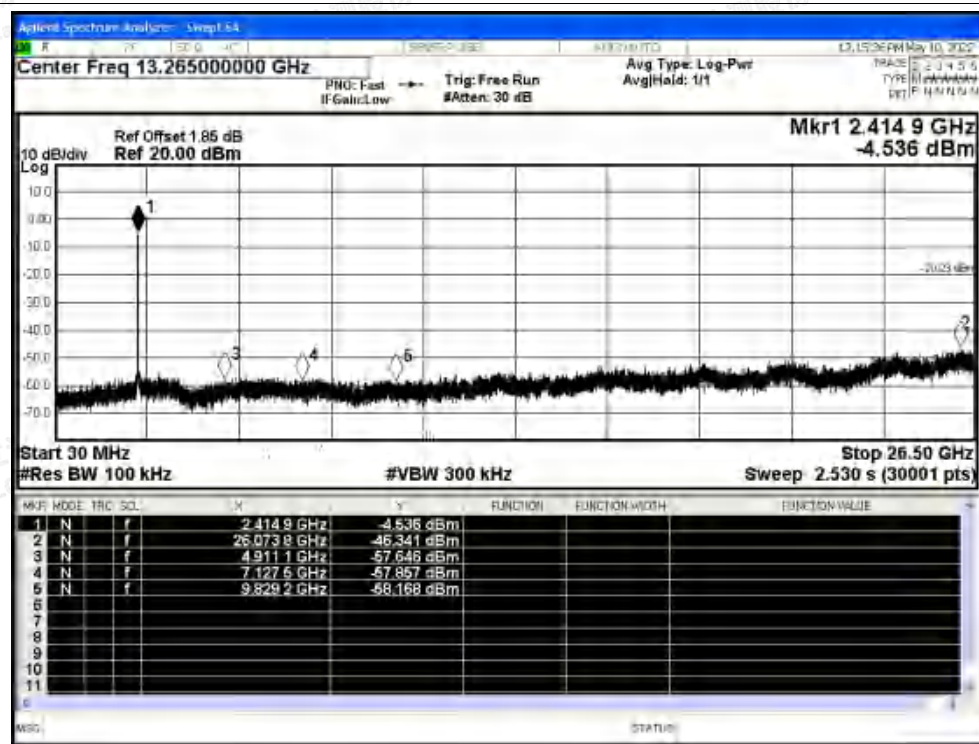
Scan code to check authenticity



Tx. Spurious NVNT n20 2412MHz Ant0 Ref



Tx. Spurious NVNT n20 2412MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

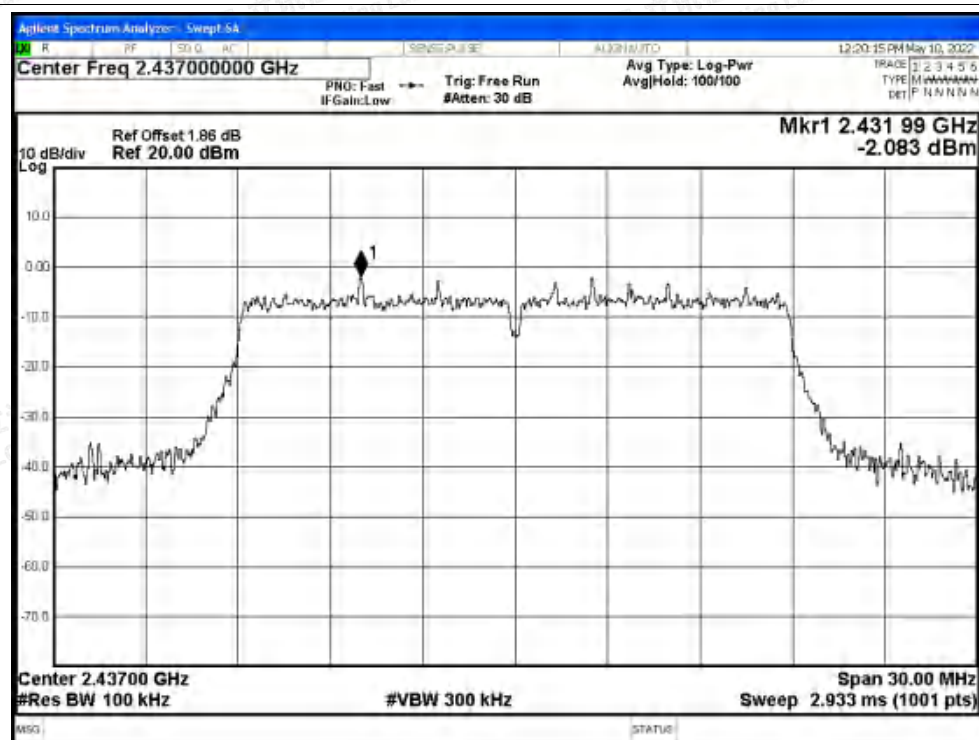
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

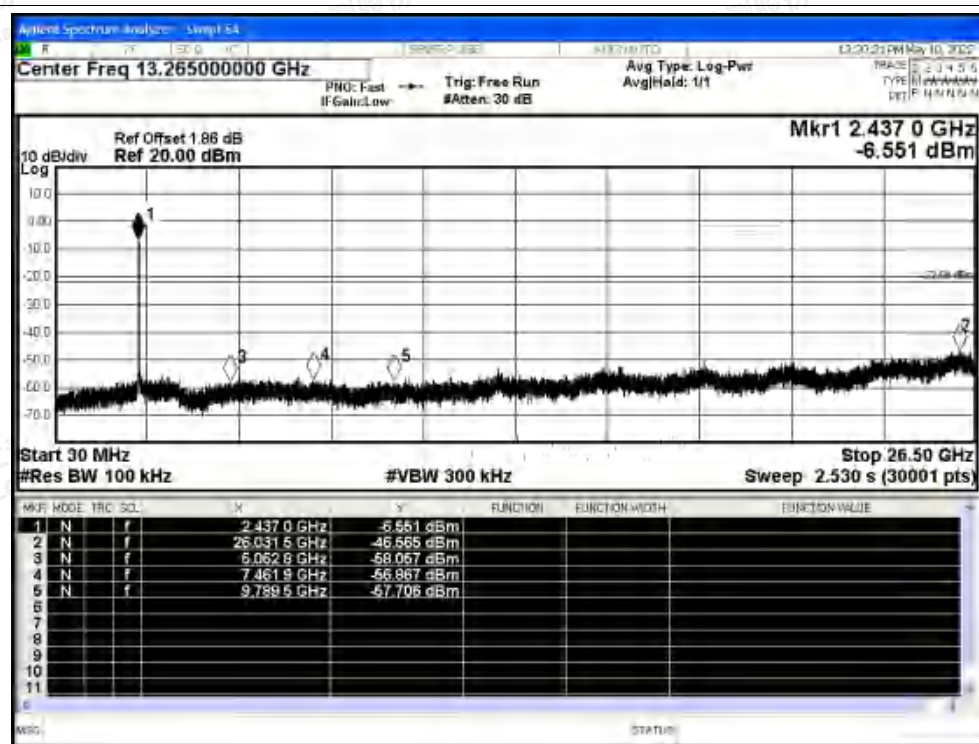
Scan code to check authenticity



Tx. Spurious NVNT n20 2437MHz Ant0 Ref



Tx. Spurious NVNT n20 2437MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

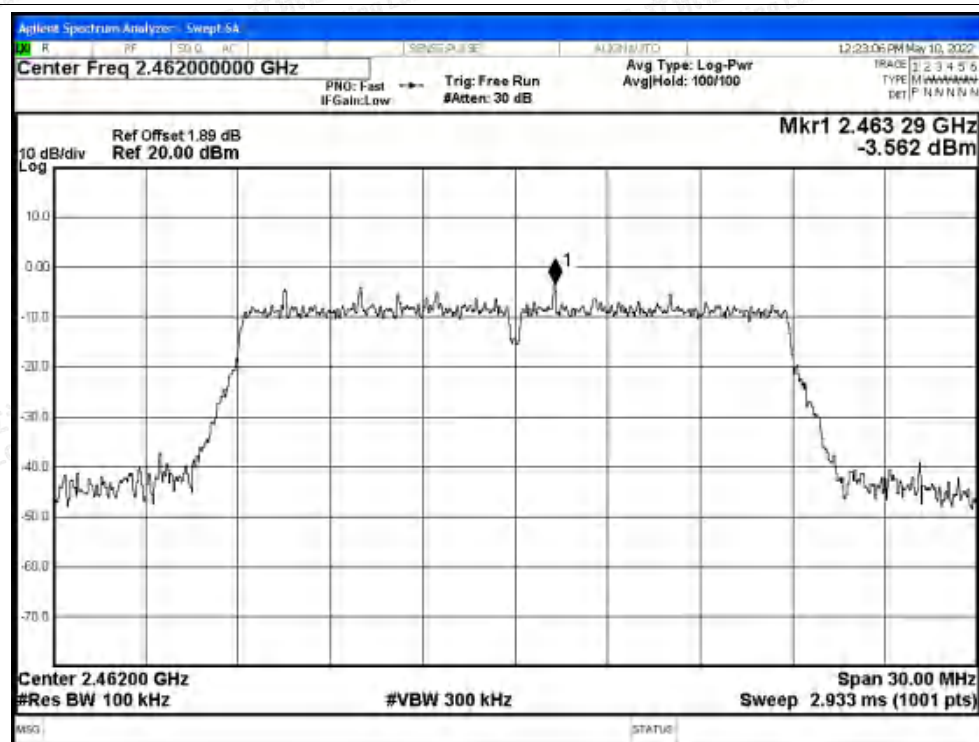
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

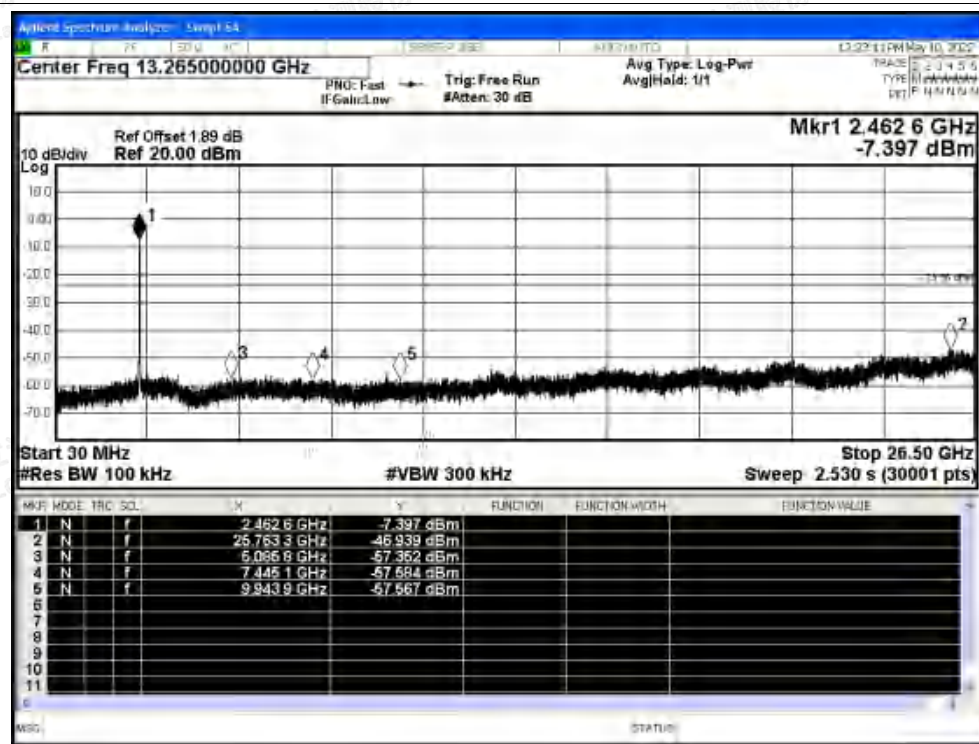
Scan code to check authenticity



Tx. Spurious NVNT n20 2462MHz Ant0 Ref



Tx. Spurious NVNT n20 2462MHz Ant0 Emission



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Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-48.82	-20	Pass
NVNT	b	2437	Ant1	-49.91	-20	Pass
NVNT	b	2462	Ant1	-44.26	-20	Pass
NVNT	g	2412	Ant1	-46.13	-20	Pass
NVNT	g	2437	Ant1	-45.69	-20	Pass
NVNT	g	2462	Ant1	-45.21	-20	Pass
NVNT	n20	2412	Ant1	-46.28	-20	Pass
NVNT	n20	2437	Ant1	-45.68	-20	Pass
NVNT	n20	2462	Ant1	-42.7	-20	Pass



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Scan code to check authenticity

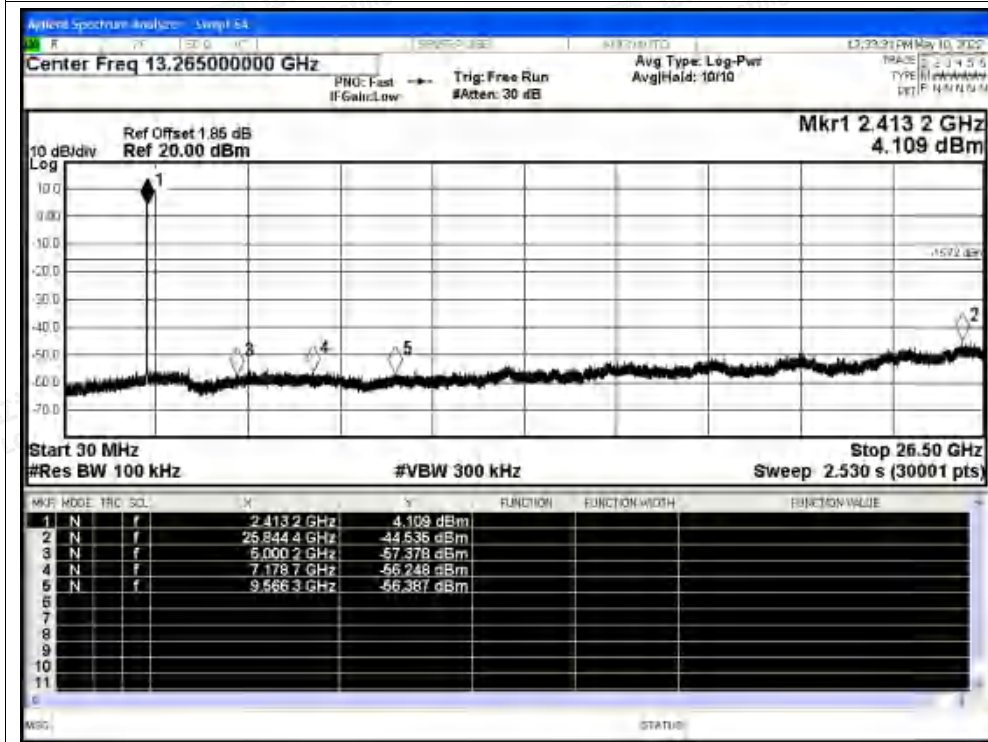


Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission



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

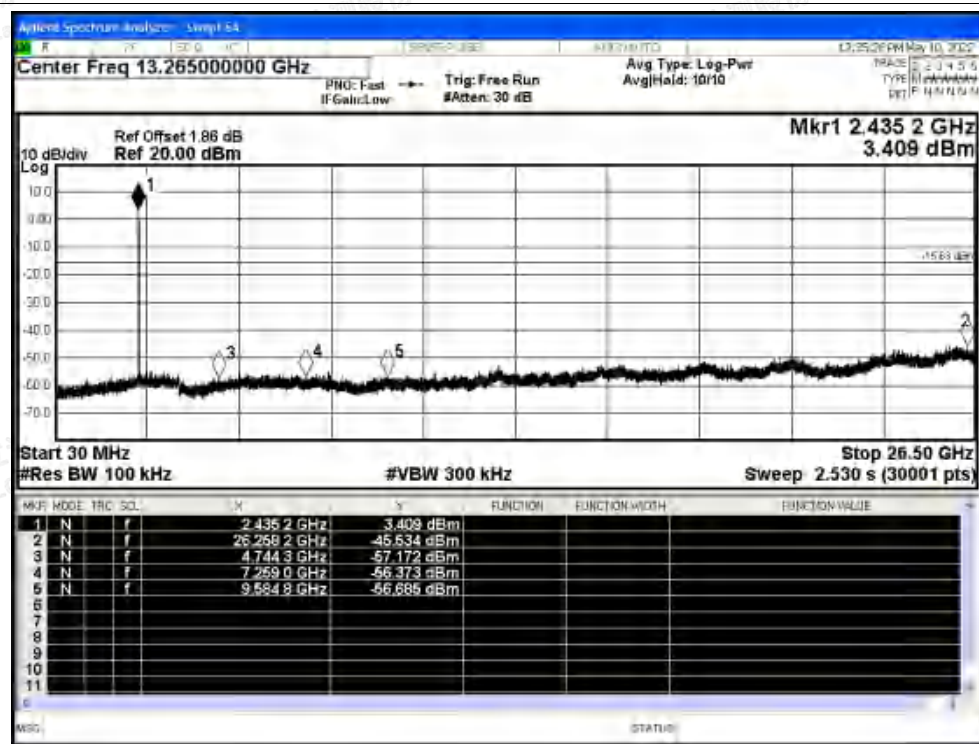
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Tx. Spurious NVNT b 2437MHz Ant1 Ref



Tx. Spurious NVNT b 2437MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

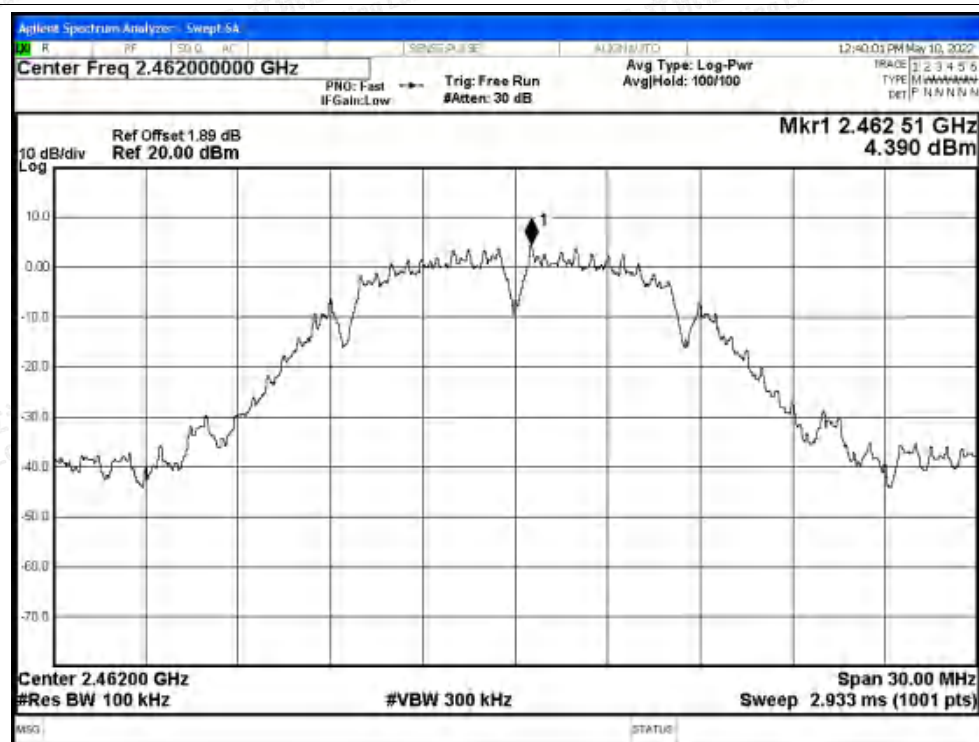
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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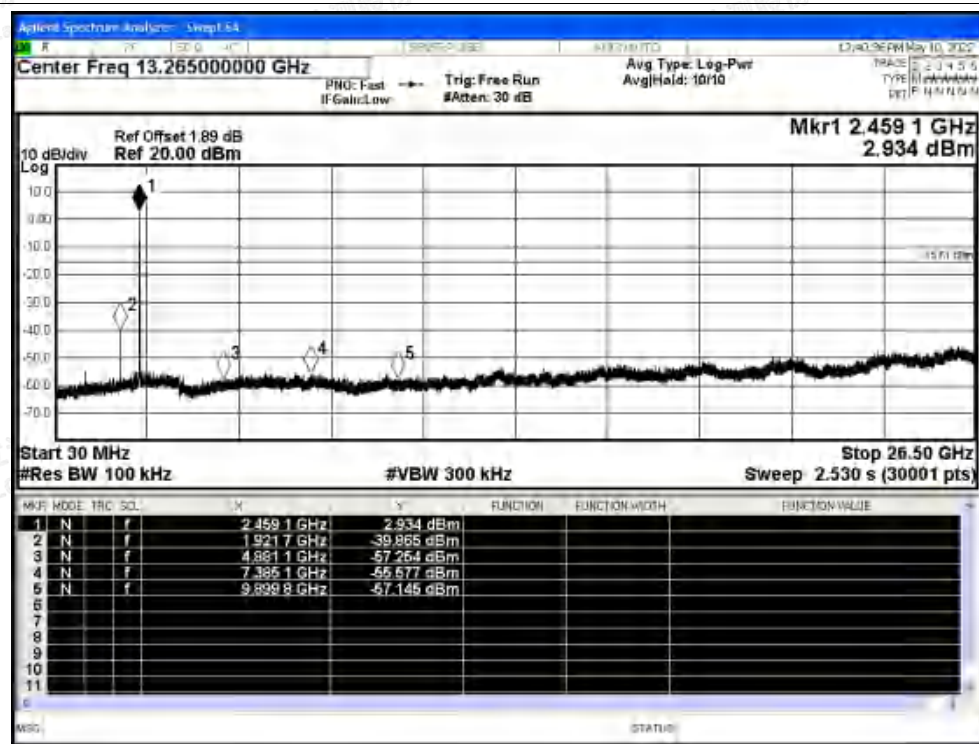
Scan code to check authenticity



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Tx. Spurious NVNT b 2462MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

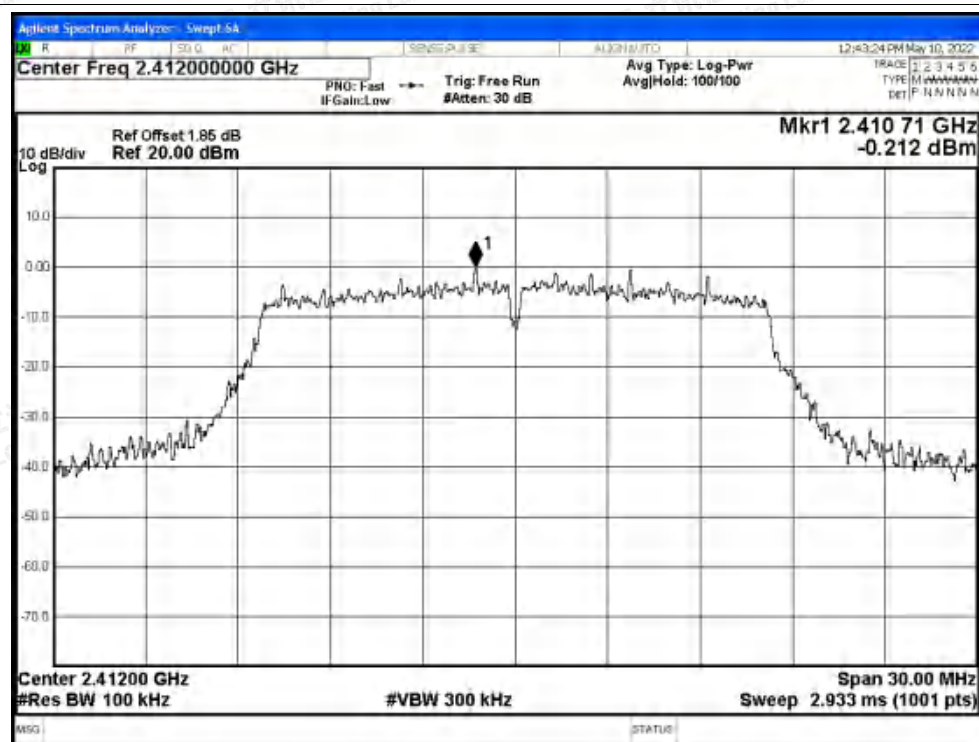
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

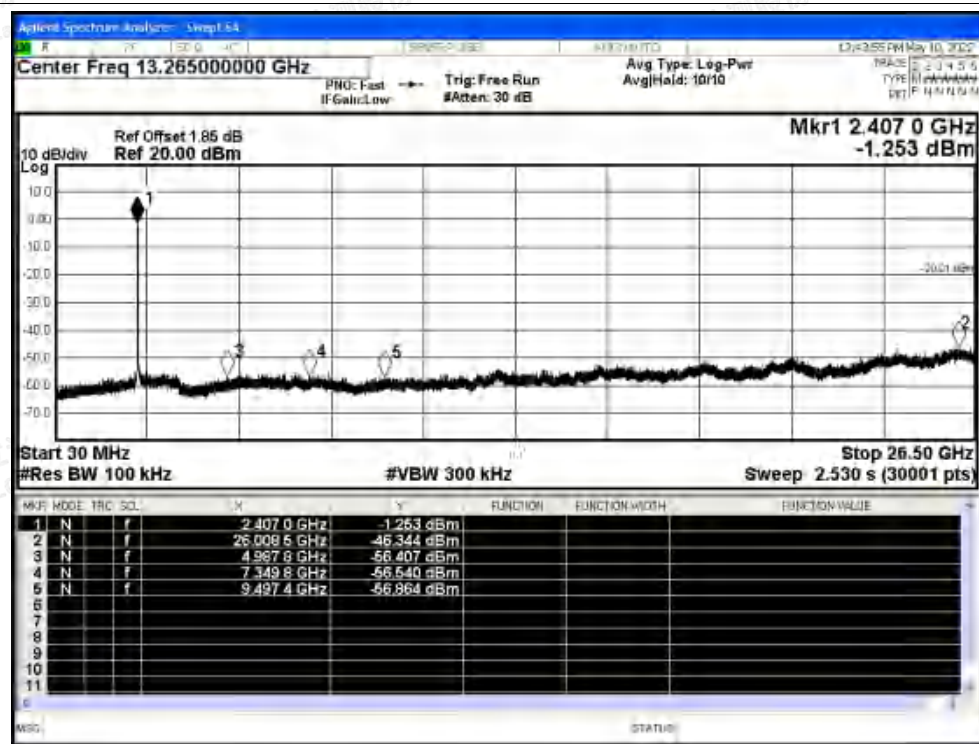
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Tx. Spurious NVNT g 2412MHz Ant1 Ref



Tx. Spurious NVNT g 2412MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

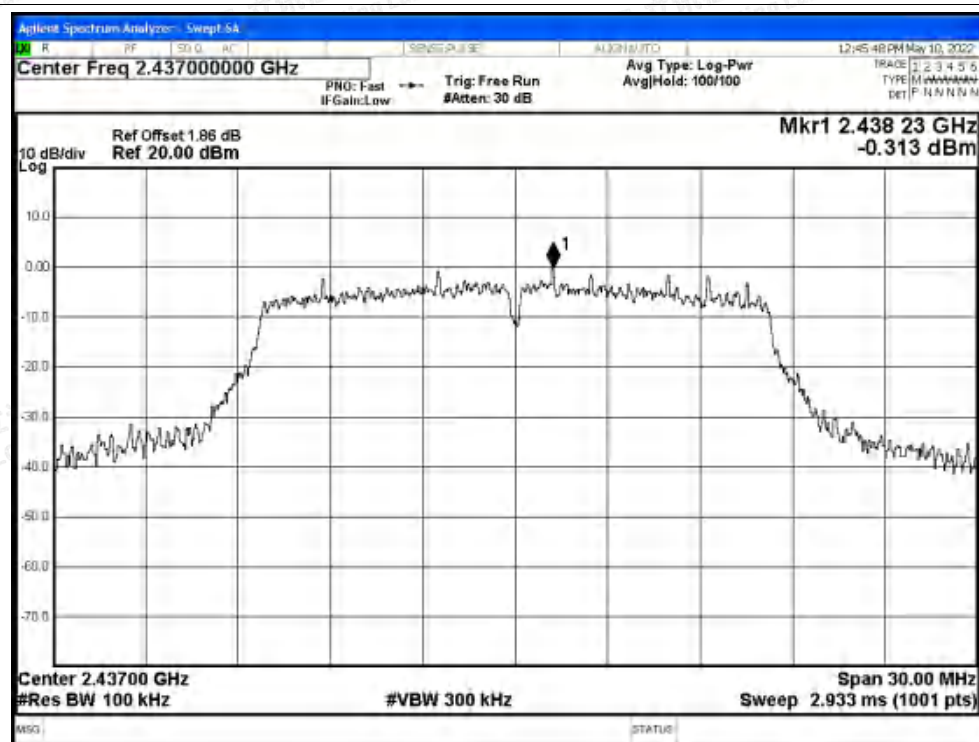
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

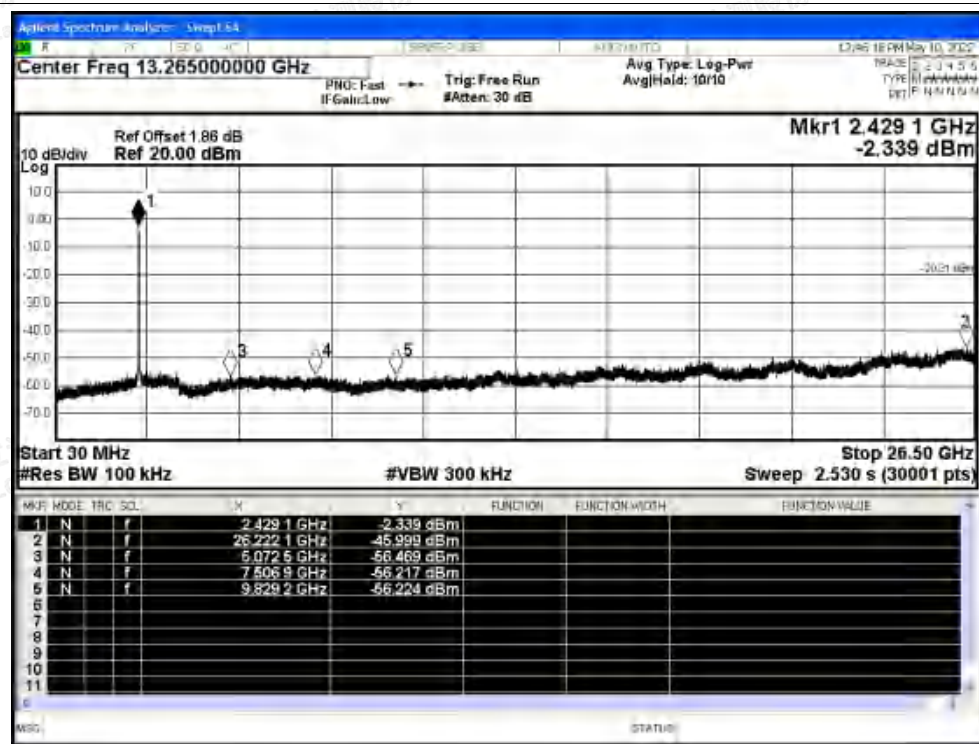
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Tx. Spurious NVNT g 2437MHz Ant1 Ref



Tx. Spurious NVNT g 2437MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

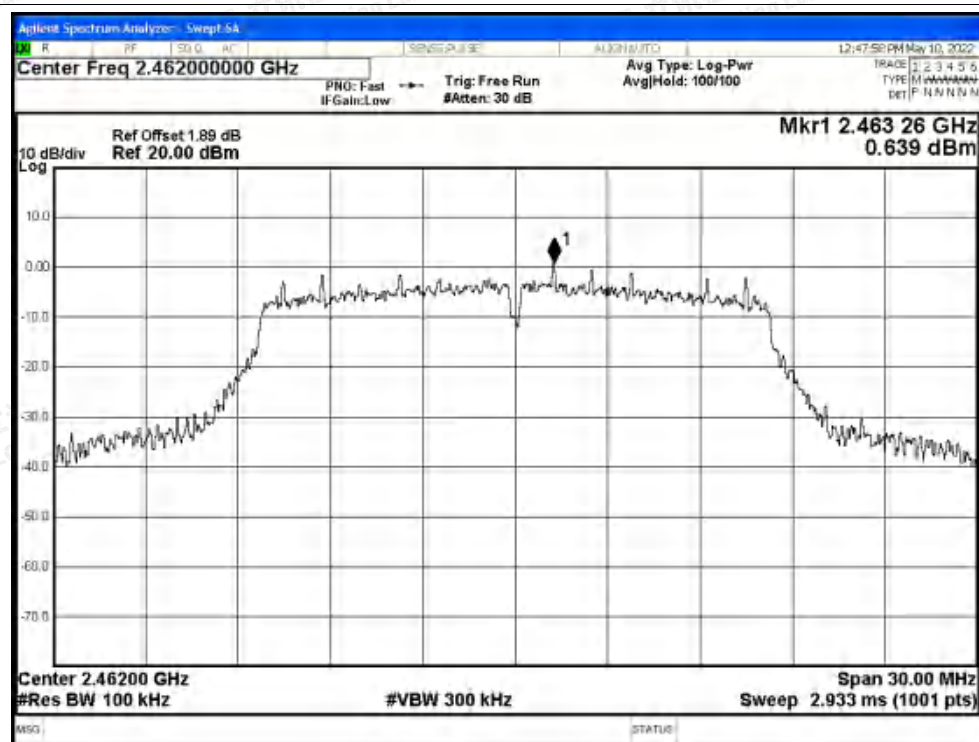
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

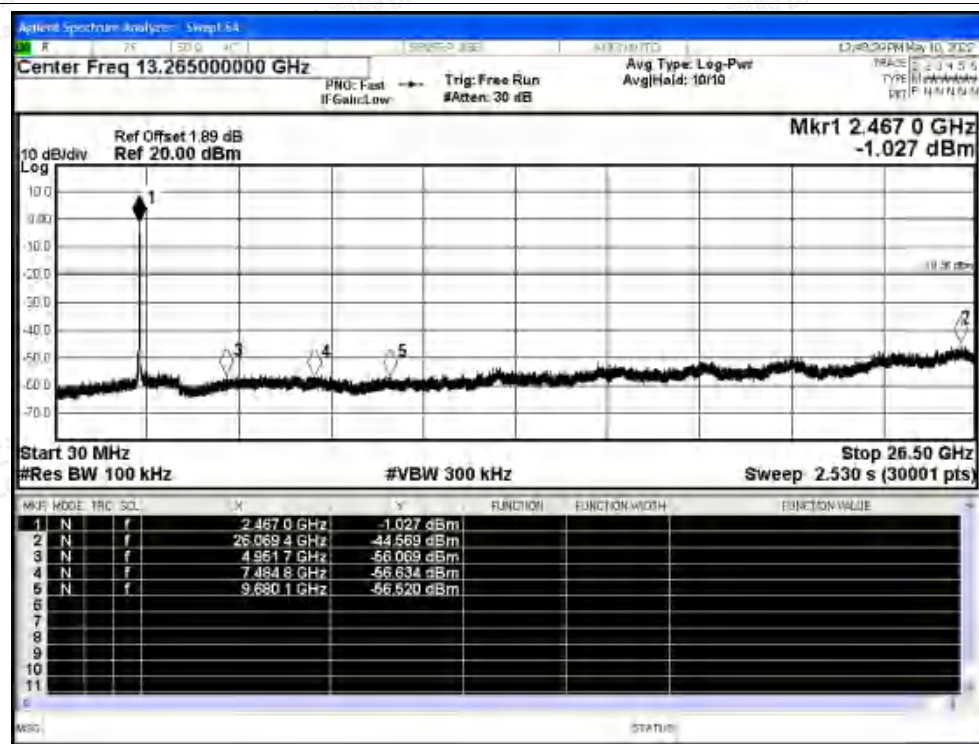
Scan code to check authenticity



Tx. Spurious NVNT g 2462MHz Ant1 Ref



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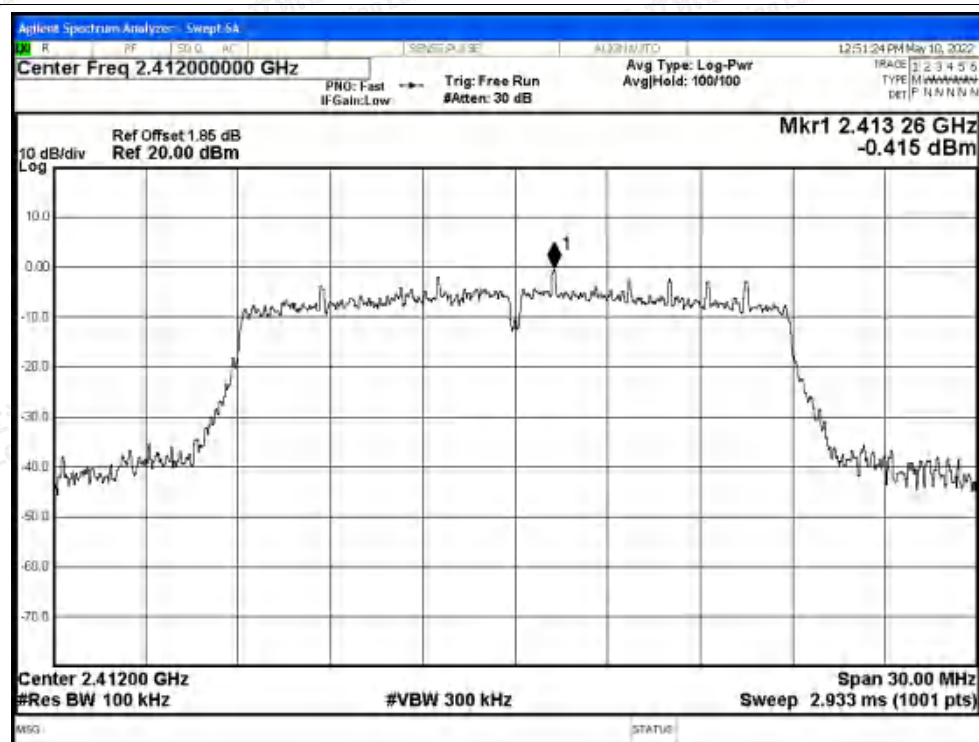
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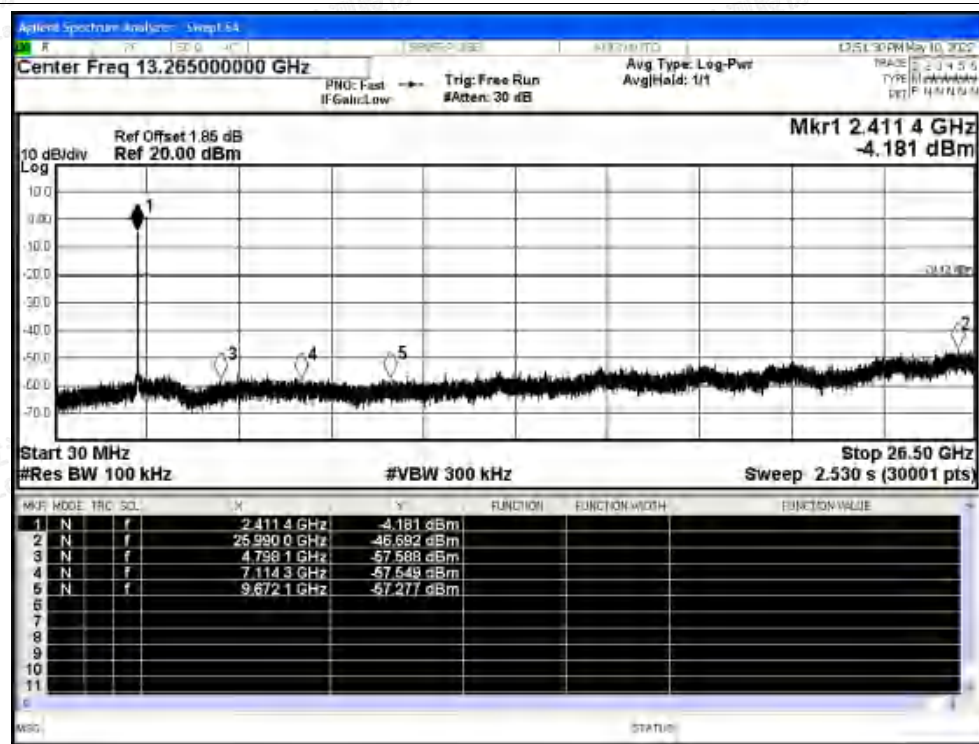
Scan code to check authenticity



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Tx. Spurious NVNT n20 2412MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

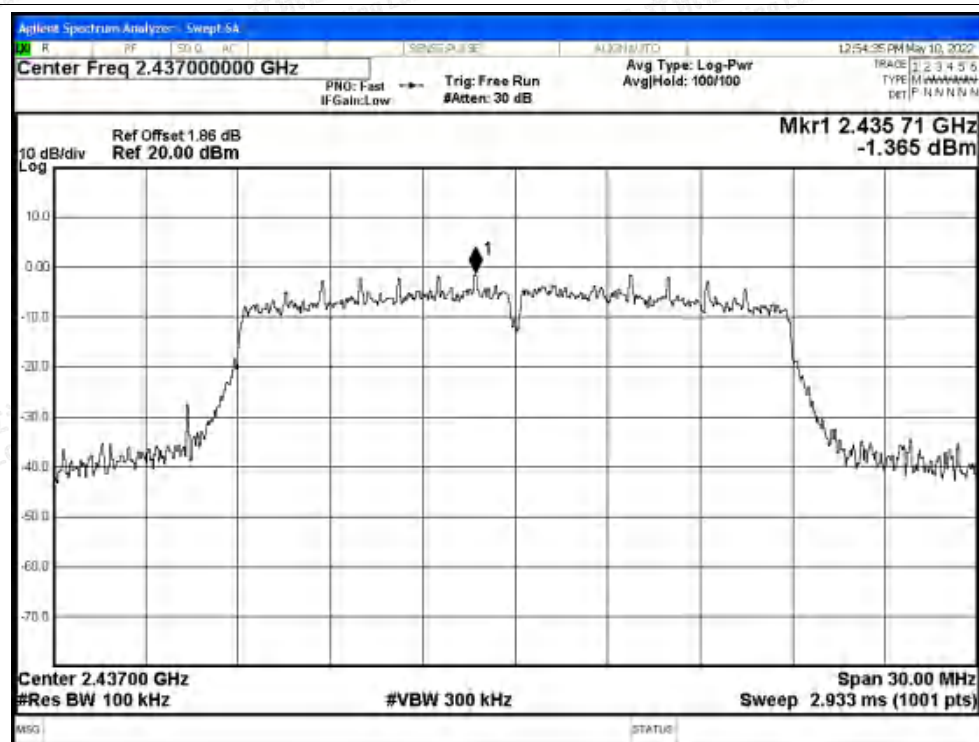
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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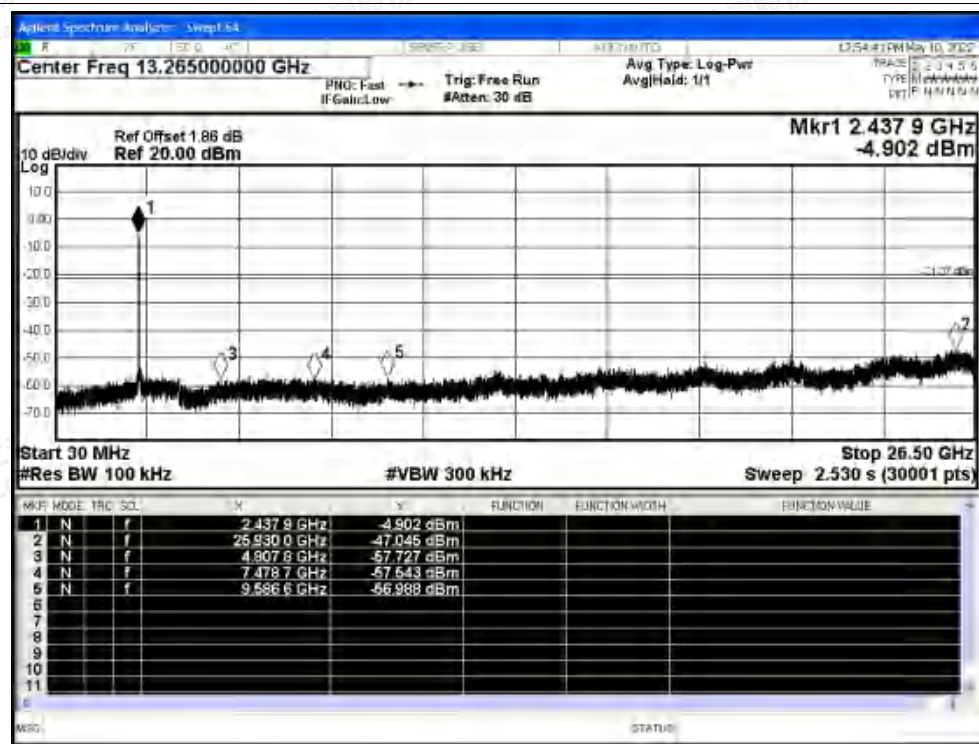
Scan code to check authenticity



Tx. Spurious NVNT n20 2437MHz Ant1 Ref



Tx. Spurious NVNT n20 2437MHz Ant1 Emission

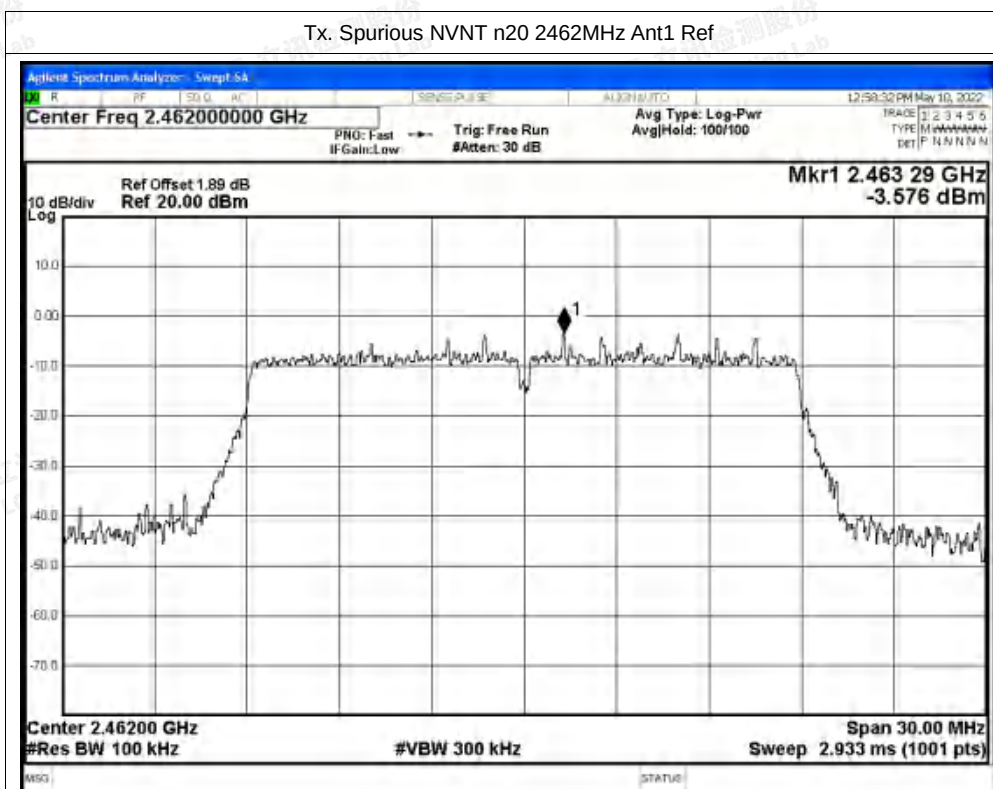


Shenzhen LCS Compliance Testing Laboratory Ltd.

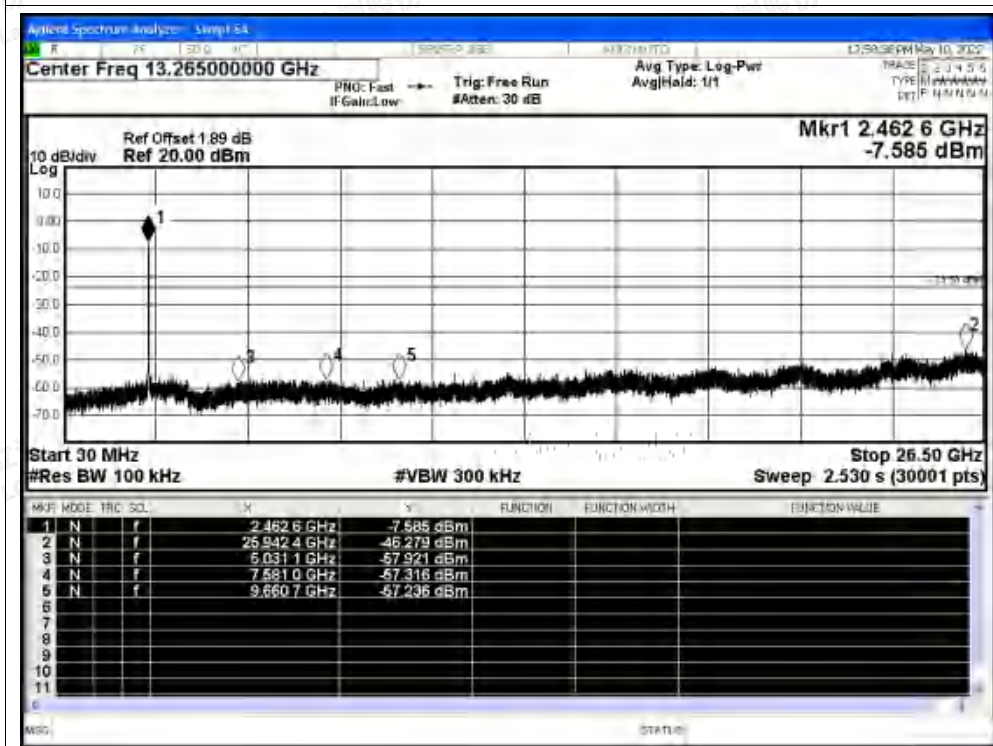
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Tx. Spurious NVNT n20 2462MHz Ant1 Emission



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A.6 Duty Cycle

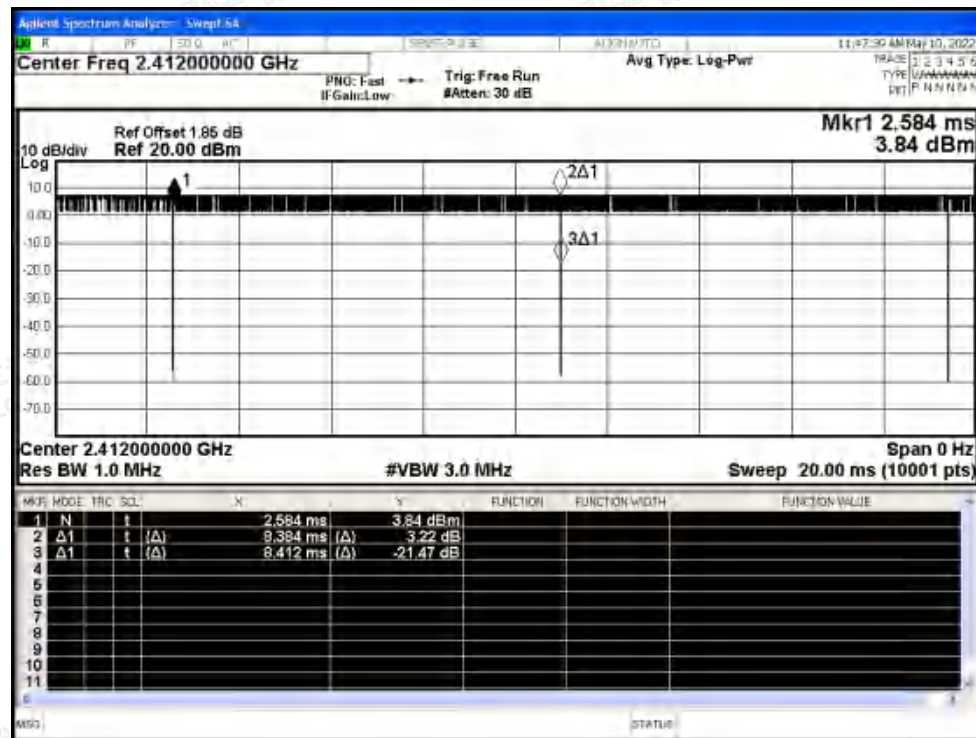
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant0	99.67	0	0.12
NVNT	b	2437	Ant0	99.67	0	0.12
NVNT	b	2462	Ant0	99.67	0	0.12
NVNT	g	2412	Ant0	97.62	0.1	0.72
NVNT	g	2437	Ant0	97.48	0.11	0.72
NVNT	g	2462	Ant0	97.48	0.11	0.72
NVNT	n20	2412	Ant0	97.31	0.12	0.77
NVNT	n20	2437	Ant0	97.46	0.11	0.77
NVNT	n20	2462	Ant0	97.46	0.11	0.77



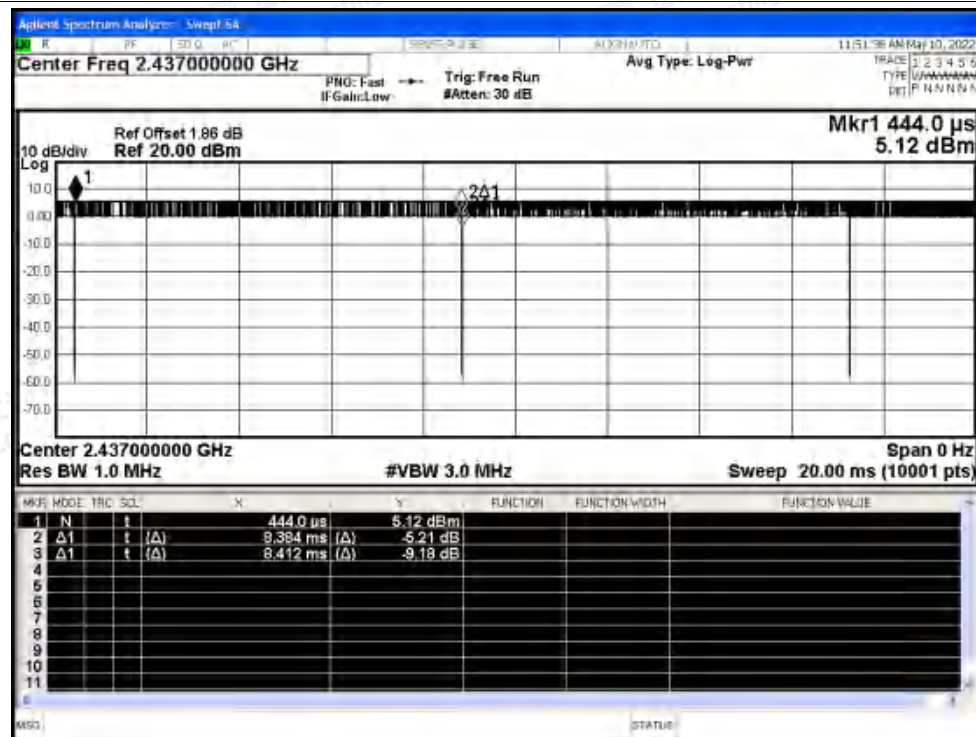


Test Graphs

Duty Cycle NVNT b 2412MHz Ant0



Duty Cycle NVNT b 2437MHz Ant0



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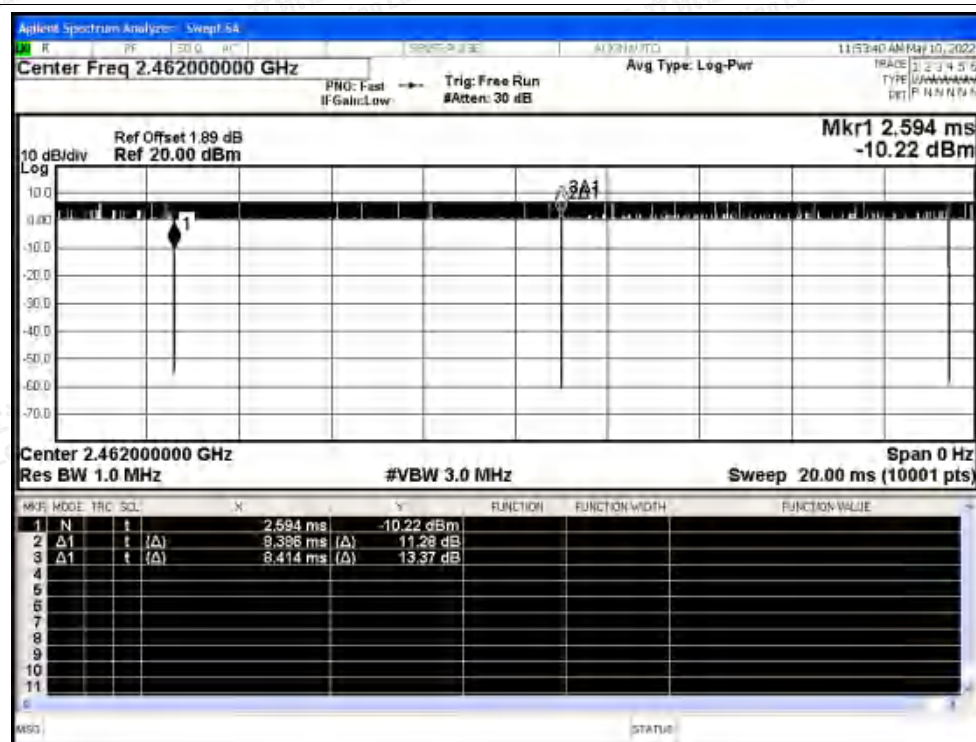
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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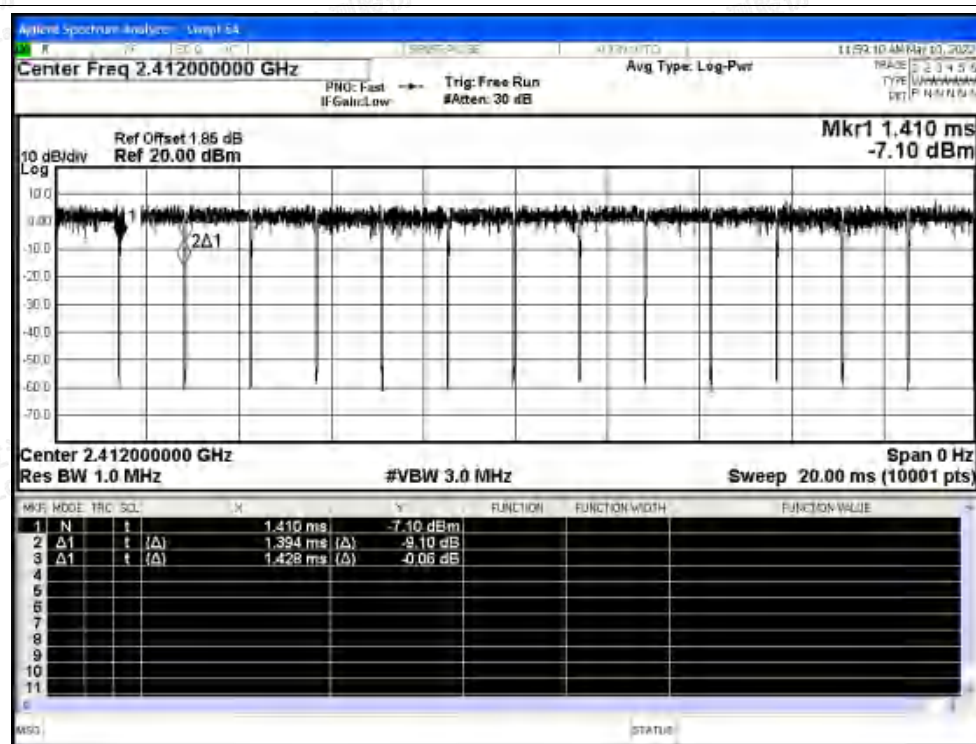
Scan code to check authenticity



Duty Cycle NVNT b 2462MHz Ant0



Duty Cycle NVNT g 2412MHz Ant0



Shenzhen LCS Compliance Testing Laboratory Ltd.

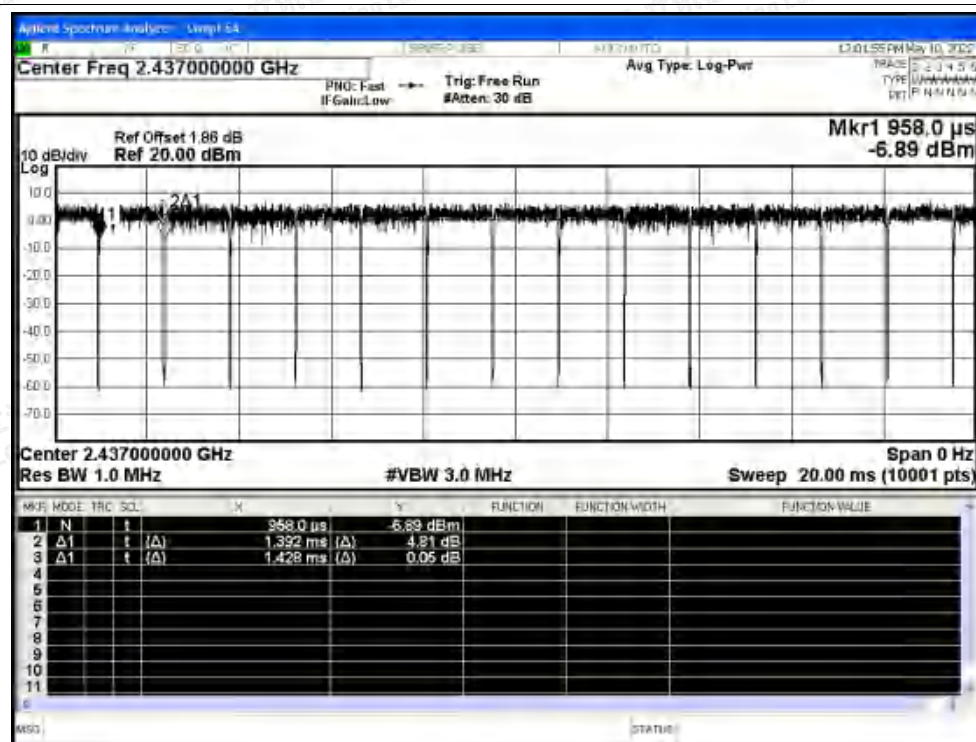
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

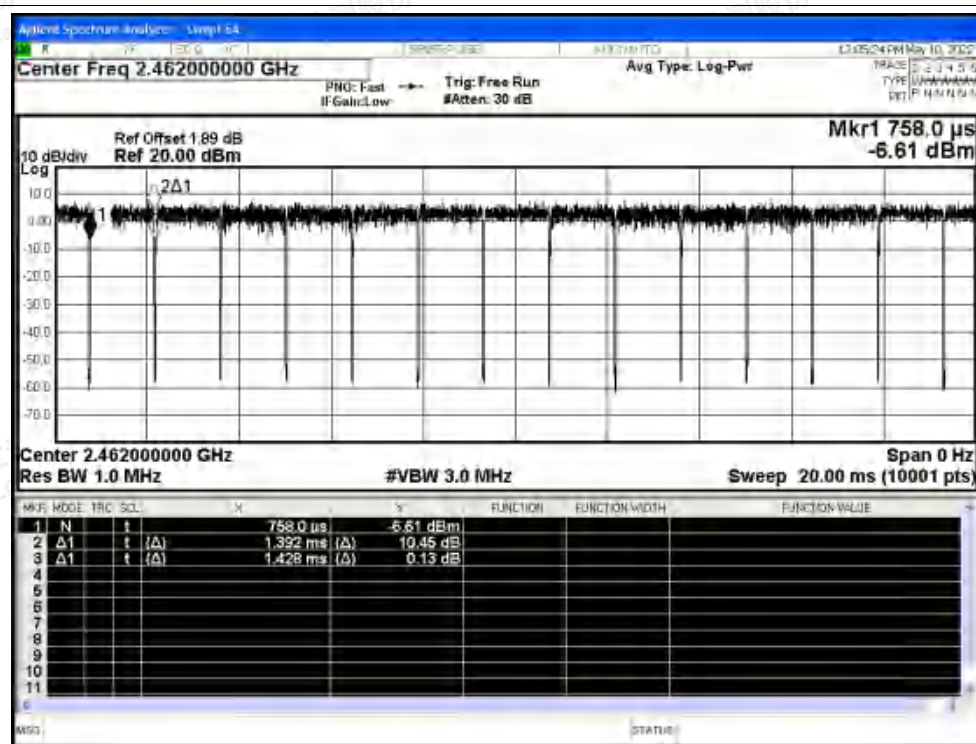
Scan code to check authenticity



Duty Cycle NVNT g 2437MHz Ant0



Duty Cycle NVNT g 2462MHz Ant0



Shenzhen LCS Compliance Testing Laboratory Ltd.

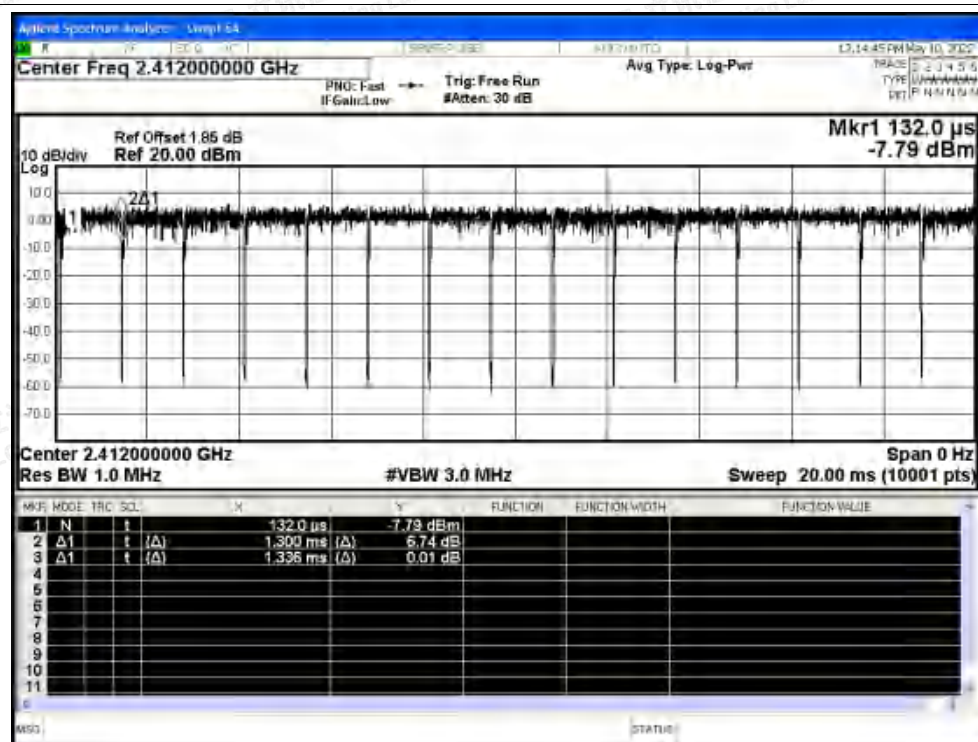
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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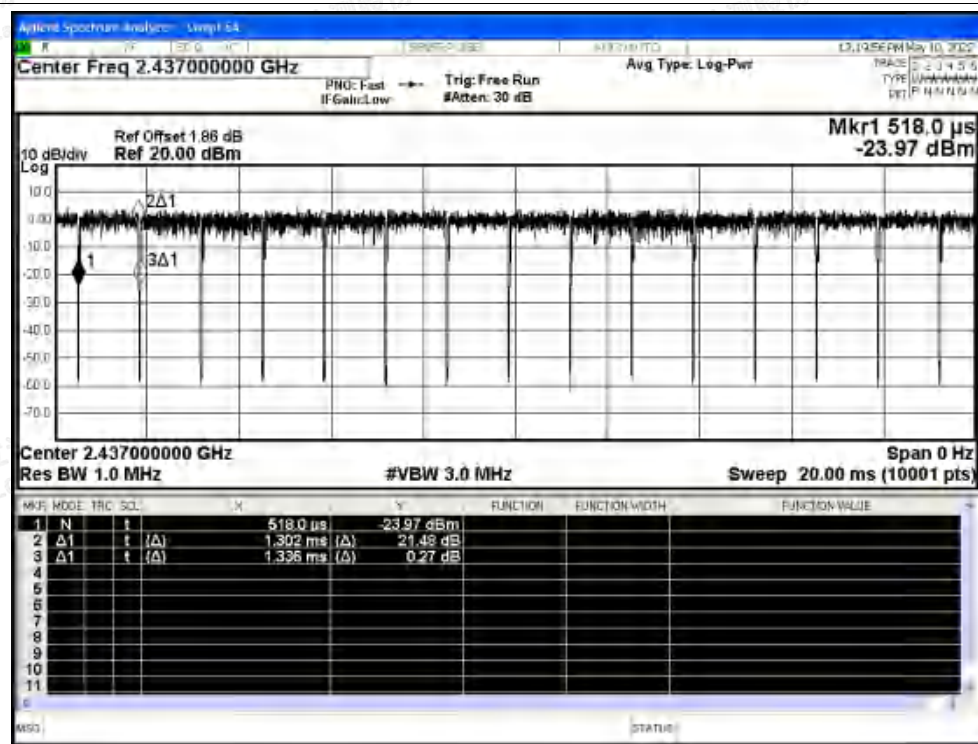
Scan code to check authenticity



Duty Cycle NVNT n20 2412MHz Ant0



Duty Cycle NVNT n20 2437MHz Ant0

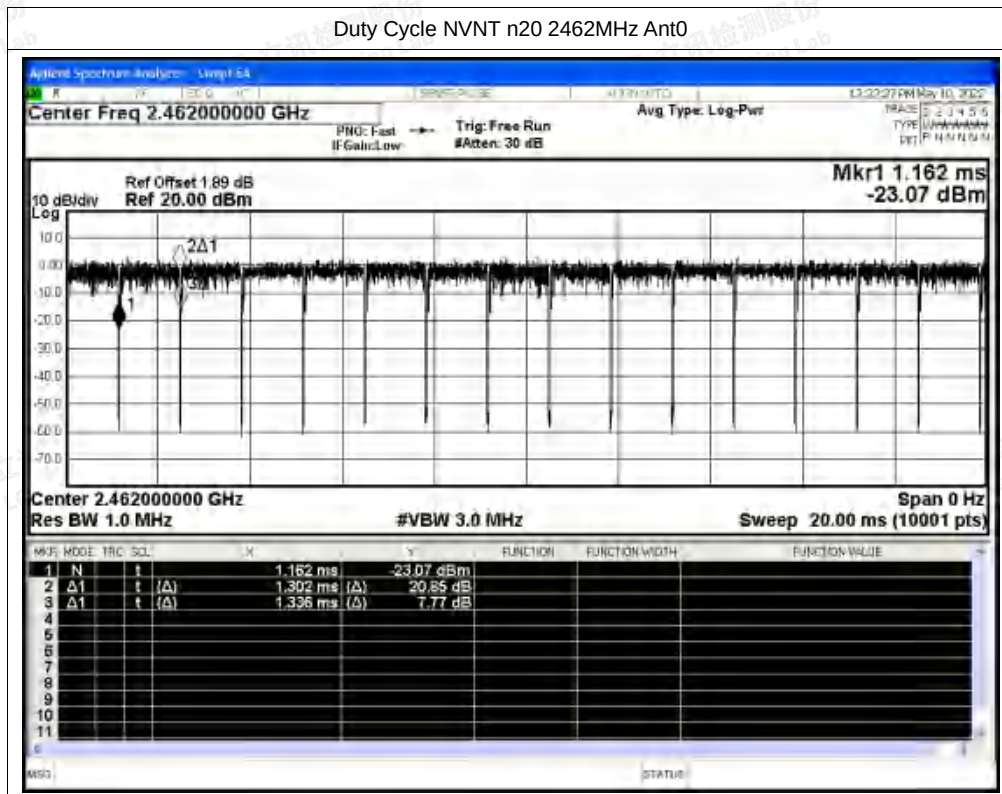


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Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.67	0	0.12
NVNT	b	2437	Ant1	99.67	0	0.12
NVNT	b	2462	Ant1	99.67	0	0.12
NVNT	g	2412	Ant1	97.62	0.1	0.72
NVNT	g	2437	Ant1	97.62	0.1	0.72
NVNT	g	2462	Ant1	97.48	0.11	0.72
NVNT	n20	2412	Ant1	97.46	0.11	0.77
NVNT	n20	2437	Ant1	97.46	0.11	0.77
NVNT	n20	2462	Ant1	97.46	0.11	0.77

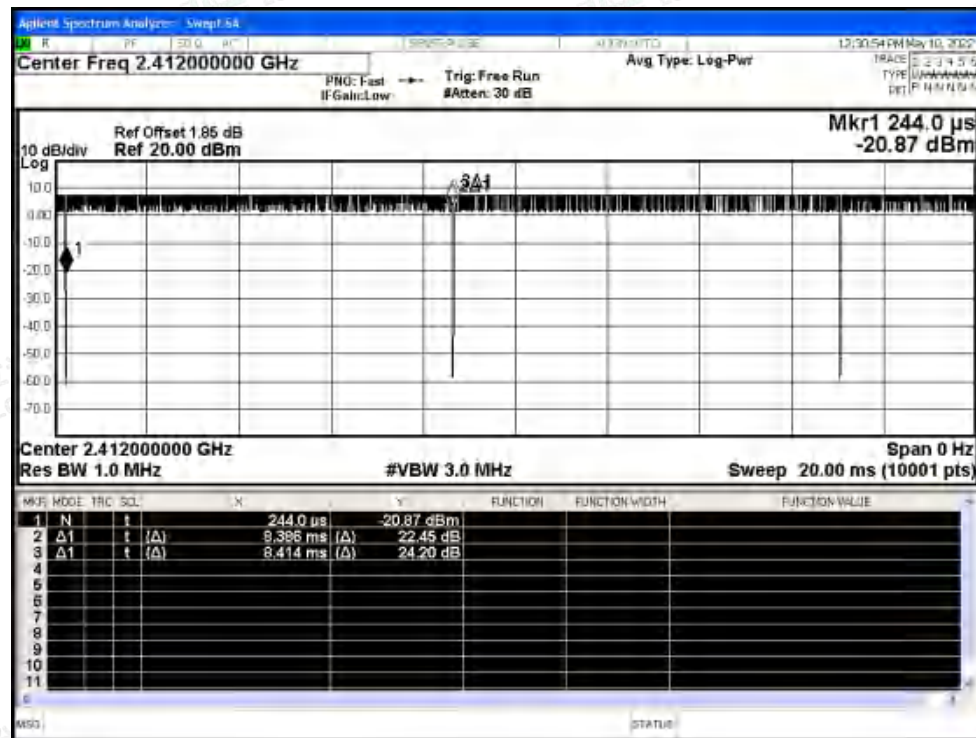


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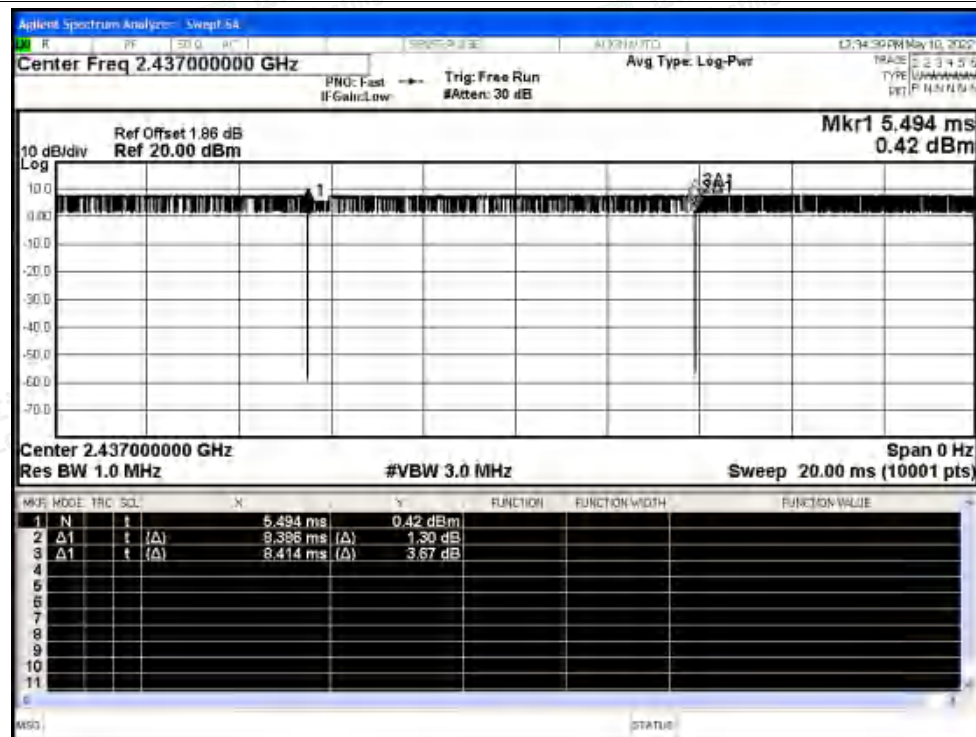


Test Graphs

Duty Cycle NVNT b 2412MHz Ant1



Duty Cycle NVNT b 2437MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

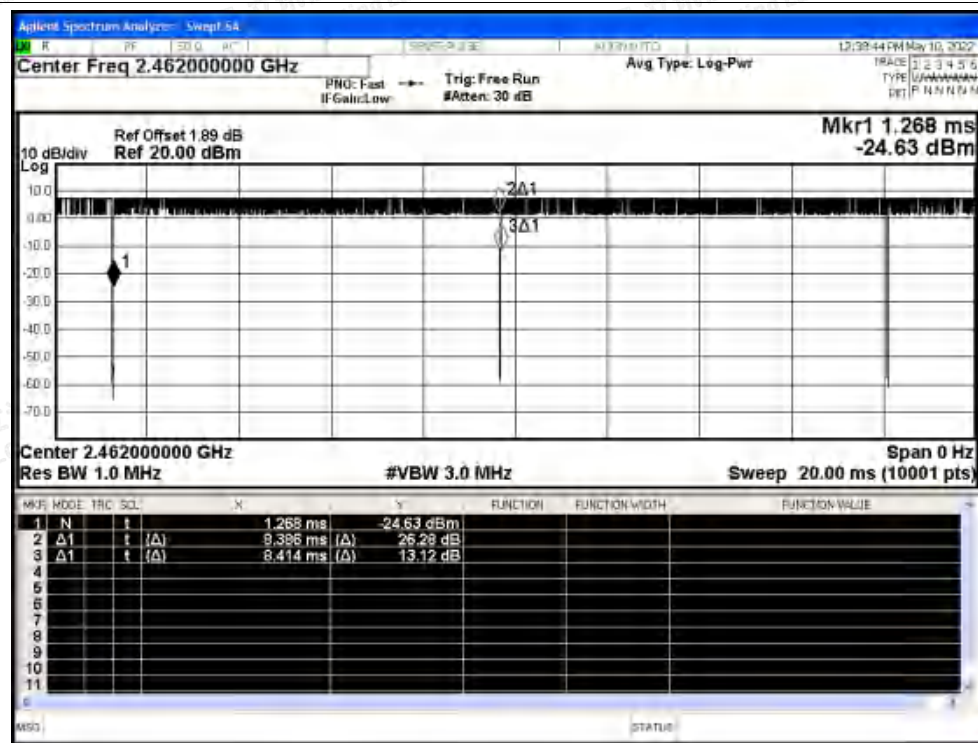
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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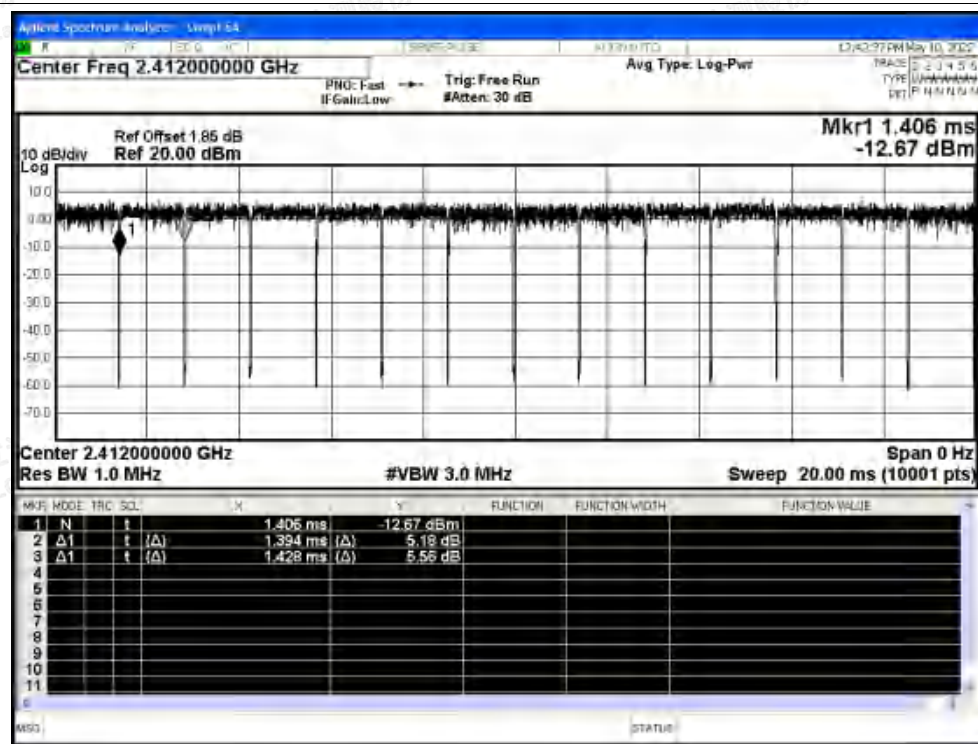
Scan code to check authenticity



Duty Cycle NVNT b 2462MHz Ant1



Duty Cycle NVNT g 2412MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

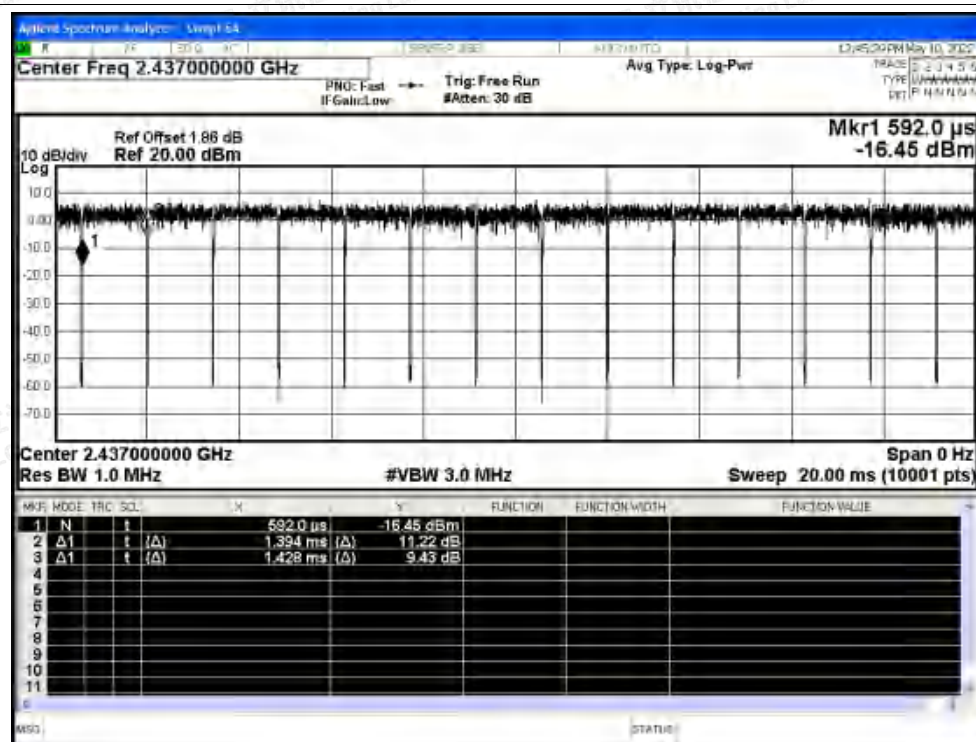
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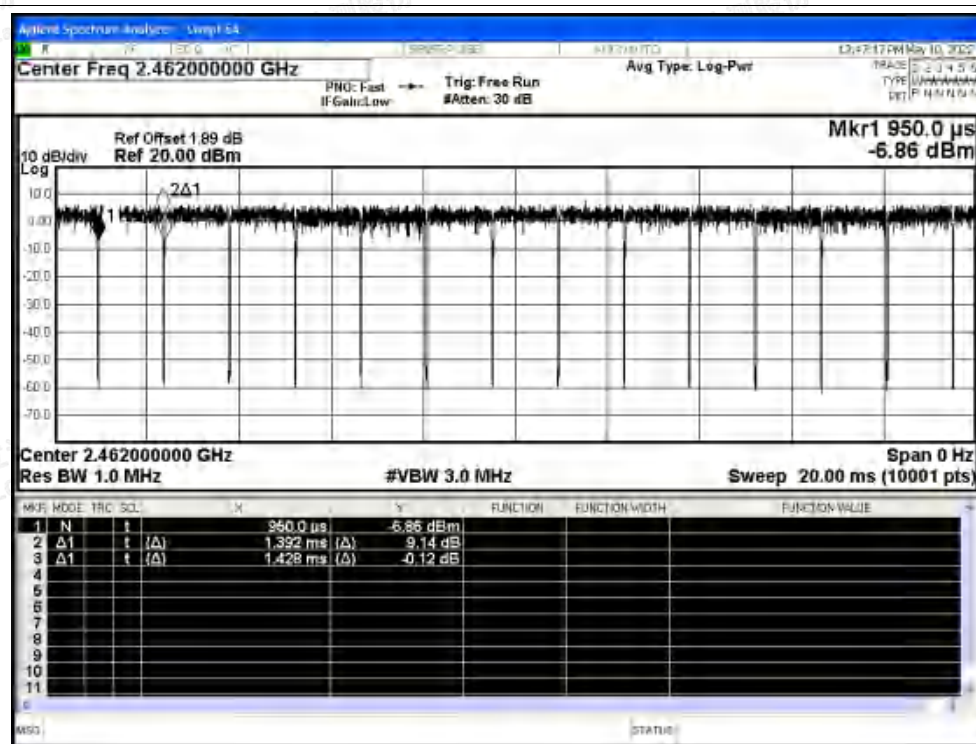
Scan code to check authenticity



Duty Cycle NVNT g 2437MHz Ant1



Duty Cycle NVNT g 2462MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

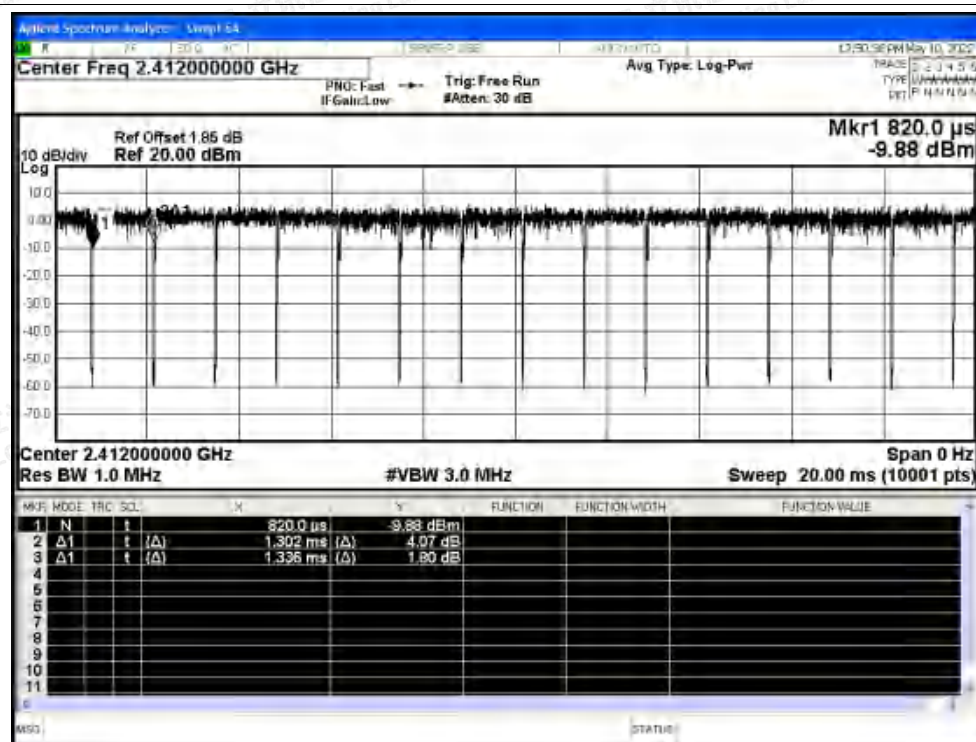
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

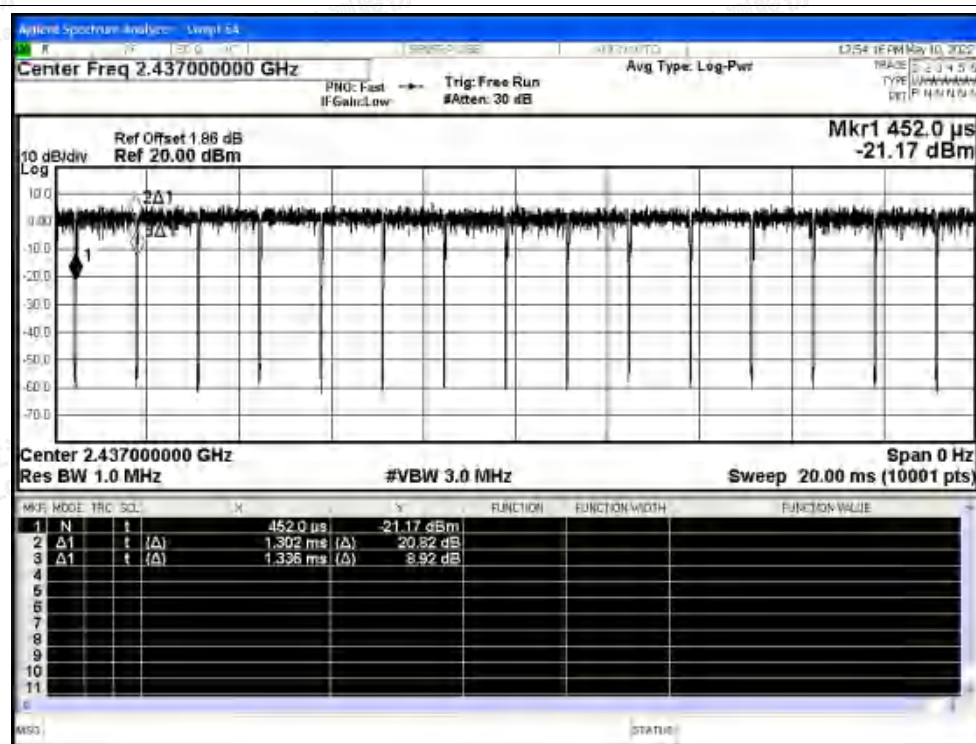
Scan code to check authenticity



Duty Cycle NVNT n20 2412MHz Ant1



Duty Cycle NVNT n20 2437MHz Ant1

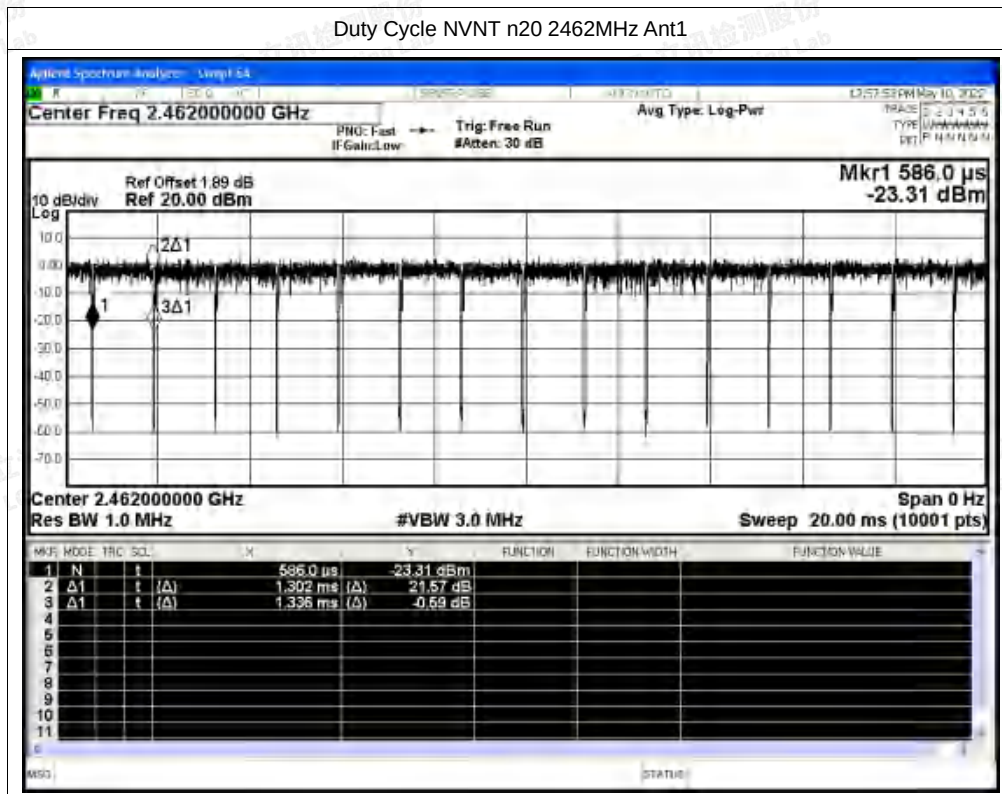


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A.7 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	b	2412	Ant0	2310	-49.82	3.5	48.91	Peak	74	Pass
NVNT	b	2412	Ant0	2310	-60.65	3.5	38.08	Average	54	Pass
NVNT	b	2412	Ant0	2386.284	-42.94	3.5	55.79	Peak	74	Pass
NVNT	b	2412	Ant0	2386.752	-51.47	3.5	47.26	Average	54	Pass
NVNT	b	2412	Ant0	2390	-45.01	3.5	53.72	Peak	74	Pass
NVNT	b	2412	Ant0	2390	-52.25	3.5	46.48	Average	54	Pass
NVNT	b	2462	Ant0	2483.5	-46.09	3.5	52.64	Peak	74	Pass
NVNT	b	2462	Ant0	2483.5	-52.72	3.5	46.01	Average	54	Pass
NVNT	b	2462	Ant0	2486.167	-44.59	3.5	54.14	Peak	74	Pass
NVNT	b	2462	Ant0	2483.517	-52.72	3.5	46.01	Average	54	Pass
NVNT	b	2462	Ant0	2500	-49.6	3.5	49.13	Peak	74	Pass
NVNT	b	2462	Ant0	2500	-58.85	3.5	39.88	Average	54	Pass
NVNT	g	2412	Ant0	2310	-50.5	3.5	48.23	Peak	74	Pass
NVNT	g	2412	Ant0	2310	-59.73	3.5	39.00	Average	54	Pass
NVNT	g	2412	Ant0	2389.326	-36.41	3.5	62.32	Peak	74	Pass
NVNT	g	2412	Ant0	2389.911	-51.6	3.5	47.13	Average	54	Pass
NVNT	g	2412	Ant0	2390	-40.45	3.5	58.28	Peak	74	Pass
NVNT	g	2412	Ant0	2390	-51.39	3.5	47.34	Average	54	Pass
NVNT	g	2462	Ant0	2483.5	-31.98	3.5	66.75	Peak	74	Pass
NVNT	g	2462	Ant0	2483.5	-47.44	3.5	51.29	Average	54	Pass
NVNT	g	2462	Ant0	2484.789	-30.76	3.5	67.97	Peak	74	Pass
NVNT	g	2462	Ant0	2483.517	-47.44	3.5	51.29	Average	54	Pass
NVNT	g	2462	Ant0	2500	-44.22	3.5	54.51	Peak	74	Pass
NVNT	g	2462	Ant0	2500	-55.56	3.5	43.17	Average	54	Pass
NVNT	n20	2412	Ant0	2310	-50.62	3.5	48.11	Peak	74	Pass
NVNT	n20	2412	Ant0	2310	-59.8	3.5	38.93	Average	54	Pass
NVNT	n20	2412	Ant0	2389.443	-36.08	3.5	62.65	Peak	74	Pass
NVNT	n20	2412	Ant0	2389.794	-51.99	3.5	46.74	Average	54	Pass
NVNT	n20	2412	Ant0	2390	-37.43	3.5	61.30	Peak	74	Pass
NVNT	n20	2412	Ant0	2390	-51.91	3.5	46.82	Average	54	Pass
NVNT	n20	2462	Ant0	2483.5	-38.51	3.5	60.22	Peak	74	Pass
NVNT	n20	2462	Ant0	2483.5	-52.8	3.5	45.93	Average	54	Pass
NVNT	n20	2462	Ant0	2484.577	-34.32	3.5	64.41	Peak	74	Pass
NVNT	n20	2462	Ant0	2483.676	-52.66	3.5	46.07	Average	54	Pass
NVNT	n20	2462	Ant0	2500	-49.03	3.5	49.70	Peak	74	Pass
NVNT	n20	2462	Ant0	2500	-57.1	3.5	41.63	Average	54	Pass



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Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	b	2412	Ant1	2310	-50.87	2.3	46.66	Peak	74	Pass
NVNT	b	2412	Ant1	2310	-60.65	2.3	36.88	Average	54	Pass
NVNT	b	2412	Ant1	2387.103	-45.7	2.3	51.83	Peak	74	Pass
NVNT	b	2412	Ant1	2387.103	-55.8	2.3	41.73	Average	54	Pass
NVNT	b	2412	Ant1	2390	-47.44	2.3	50.09	Peak	74	Pass
NVNT	b	2412	Ant1	2390	-55.65	2.3	41.88	Average	54	Pass
NVNT	b	2462	Ant1	2483.5	-47.17	2.3	50.36	Peak	74	Pass
NVNT	b	2462	Ant1	2483.5	-57.35	2.3	40.18	Average	54	Pass
NVNT	b	2462	Ant1	2486.856	-44.73	2.3	52.80	Peak	74	Pass
NVNT	b	2462	Ant1	2486.008	-56.28	2.3	41.25	Average	54	Pass
NVNT	b	2462	Ant1	2500	-47.89	2.3	49.64	Peak	74	Pass
NVNT	b	2462	Ant1	2500	-59.07	2.3	38.46	Average	54	Pass
NVNT	g	2412	Ant1	2310	-49.96	2.3	47.57	Peak	74	Pass
NVNT	g	2412	Ant1	2310	-59.83	2.3	37.70	Average	54	Pass
NVNT	g	2412	Ant1	2388.273	-37.29	2.3	60.24	Peak	74	Pass
NVNT	g	2412	Ant1	2389.911	-52.23	2.3	45.30	Average	54	Pass
NVNT	g	2412	Ant1	2390	-39.42	2.3	58.11	Peak	74	Pass
NVNT	g	2412	Ant1	2390	-52.05	2.3	45.48	Average	54	Pass
NVNT	g	2462	Ant1	2483.5	-37.47	2.3	60.06	Peak	74	Pass
NVNT	g	2462	Ant1	2483.5	-48.29	2.3	49.24	Average	54	Pass
NVNT	g	2462	Ant1	2484.259	-29.32	2.3	68.21	Peak	74	Pass
NVNT	g	2462	Ant1	2483.517	-48.29	2.3	49.24	Average	54	Pass
NVNT	g	2462	Ant1	2500	-46.75	2.3	50.78	Peak	74	Pass
NVNT	g	2462	Ant1	2500	-55.69	2.3	41.84	Average	54	Pass
NVNT	n20	2412	Ant1	2310	-50.06	2.3	47.47	Peak	74	Pass
NVNT	n20	2412	Ant1	2310	-59.89	2.3	37.64	Average	54	Pass
NVNT	n20	2412	Ant1	2389.56	-35.48	2.3	62.05	Peak	74	Pass
NVNT	n20	2412	Ant1	2389.794	-52.04	2.3	45.49	Average	54	Pass
NVNT	n20	2412	Ant1	2390	-37.68	2.3	59.85	Peak	74	Pass
NVNT	n20	2412	Ant1	2390	-51.75	2.3	45.78	Average	54	Pass
NVNT	n20	2462	Ant1	2483.5	-39.26	2.3	58.27	Peak	74	Pass
NVNT	n20	2462	Ant1	2483.5	-52.72	2.3	44.81	Average	54	Pass
NVNT	n20	2462	Ant1	2484.259	-35.43	2.3	62.10	Peak	74	Pass
NVNT	n20	2462	Ant1	2483.517	-52.72	2.3	44.81	Average	54	Pass
NVNT	n20	2462	Ant1	2500	-47.52	2.3	50.01	Peak	74	Pass
NVNT	n20	2462	Ant1	2500	-57.01	2.3	40.52	Average	54	Pass



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MIMO

Condition	Mode	Frequency (MHz)	Spur Freq (MHz)	Covert Radiated E Level			Ground Reflection Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
				At 3m (dBuV/m))							
				ANT0	ANT1	ANT0+ANT1					
NVNT	n20	2412	2310	-50.62	-50.06	-47.32	0	49.91	Peak	74	Pass
NVNT	n20	2412	2310	-59.8	-59.89	-56.83	0	40.4	Average	54	Pass
NVNT	n20	2412	2389.794	-36.08	-35.48	-32.76	0	64.47	Peak	74	Pass
NVNT	n20	2412	2389.911	-51.99	-52.04	-49.00	0	48.23	Average	54	Pass
NVNT	n20	2412	2390	-37.43	-37.68	-34.54	0	62.69	Peak	74	Pass
NVNT	n20	2412	2390	-51.91	-51.75	-48.82	0	48.41	Average	54	Pass
NVNT	n20	2462	2483.5	-38.51	-39.26	-35.86	0	61.37	Peak	74	Pass
NVNT	n20	2462	2483.5	-52.8	-52.72	-49.75	0	47.48	Average	54	Pass
NVNT	n20	2462	2486.856	-34.32	-35.43	-31.83	0	65.4	Peak	74	Pass
NVNT	n20	2462	2483.517	-52.66	-52.72	-49.68	0	47.55	Average	54	Pass
NVNT	n20	2462	2500	-49.03	-47.52	-45.20	0	52.03	Peak	74	Pass
NVNT	n20	2462	2500	-57.1	-57.01	-54.04	0	43.19	Average	54	Pass

Note: The Antenna Gain is compensated in the graph



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Test Graphs

Restrict Band NVNT b 2412MHz Ant0 Peak



Restrict Band NVNT b 2412MHz Ant0 Average



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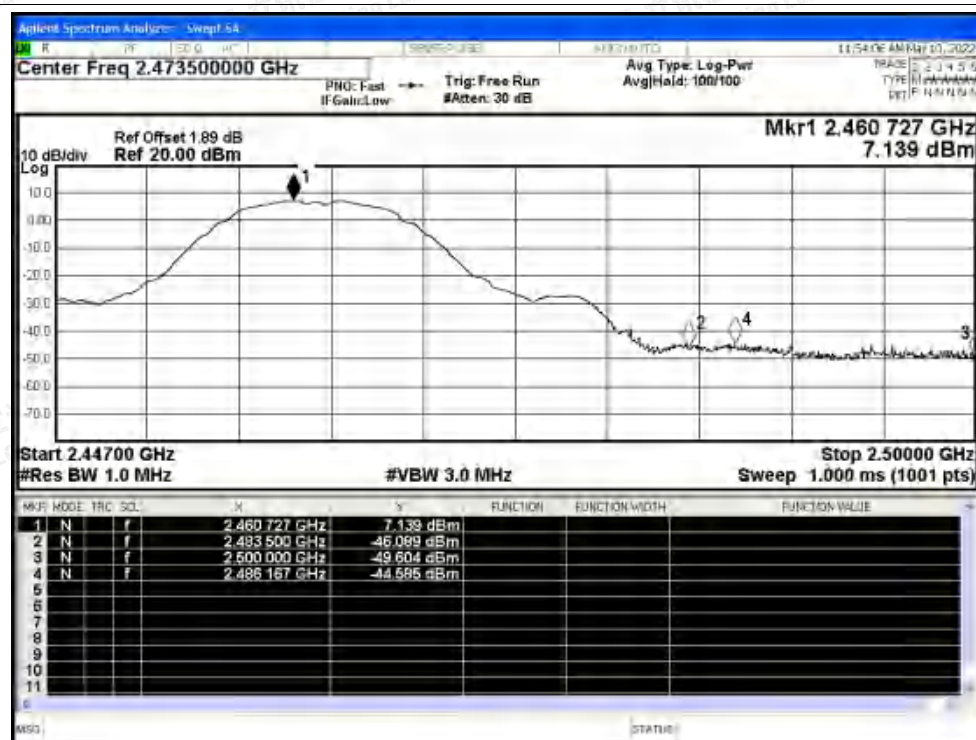
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

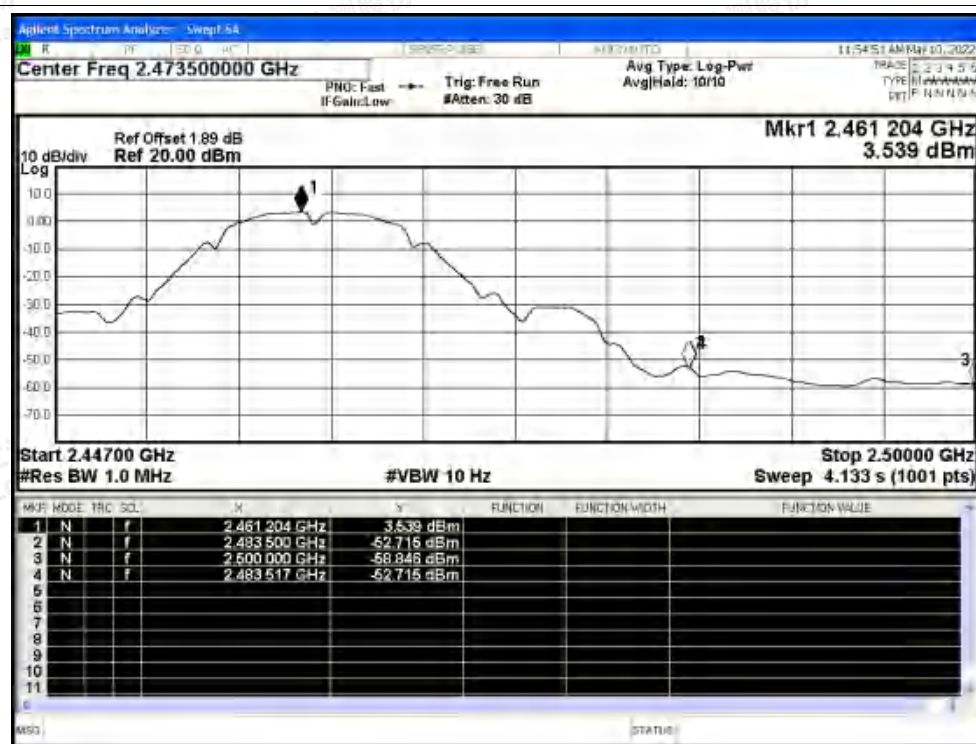
Scan code to check authenticity



Restrict Band NVNT b 2462MHz Ant0 Peak



Restrict Band NVNT b 2462MHz Ant0 Average



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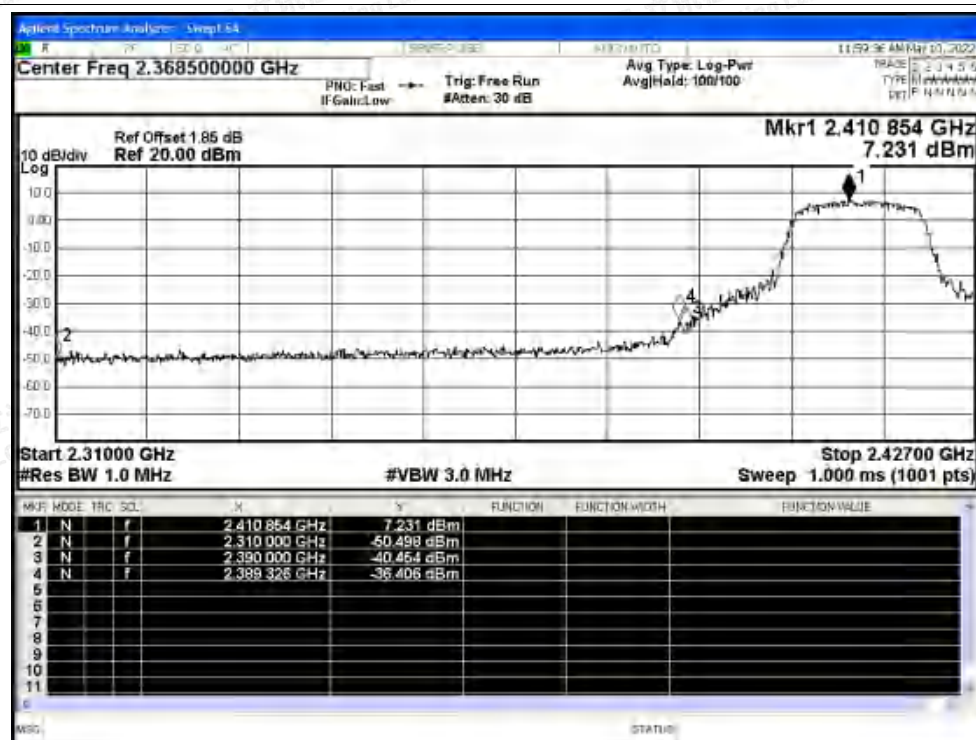
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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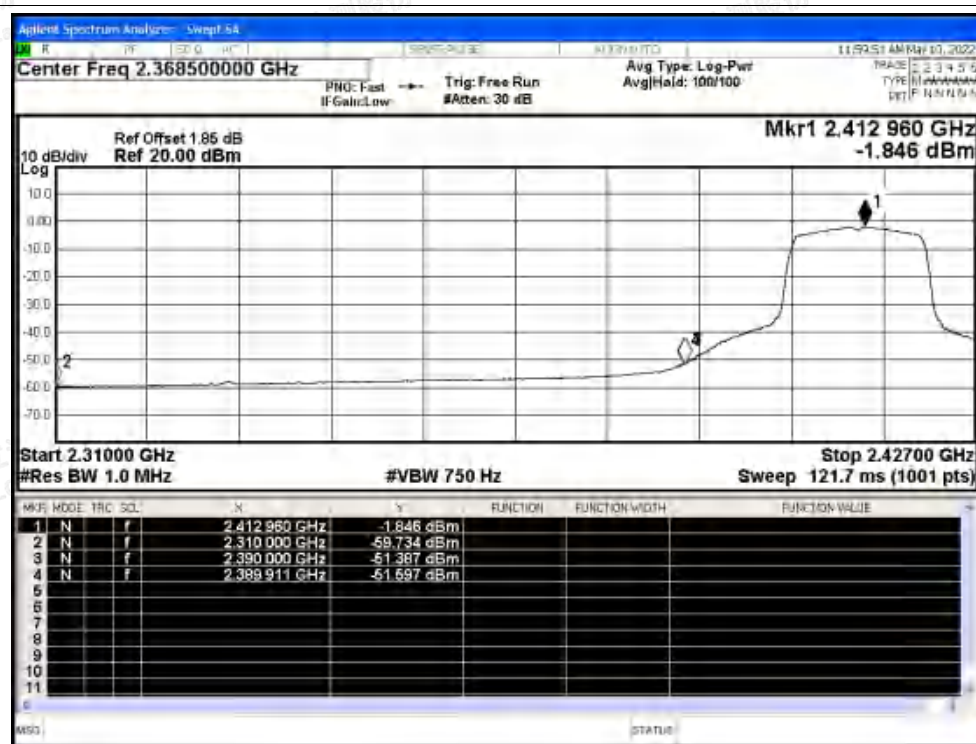
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Restrict Band NVNT g 2412MHz Ant0 Peak



Restrict Band NVNT g 2412MHz Ant0 Average



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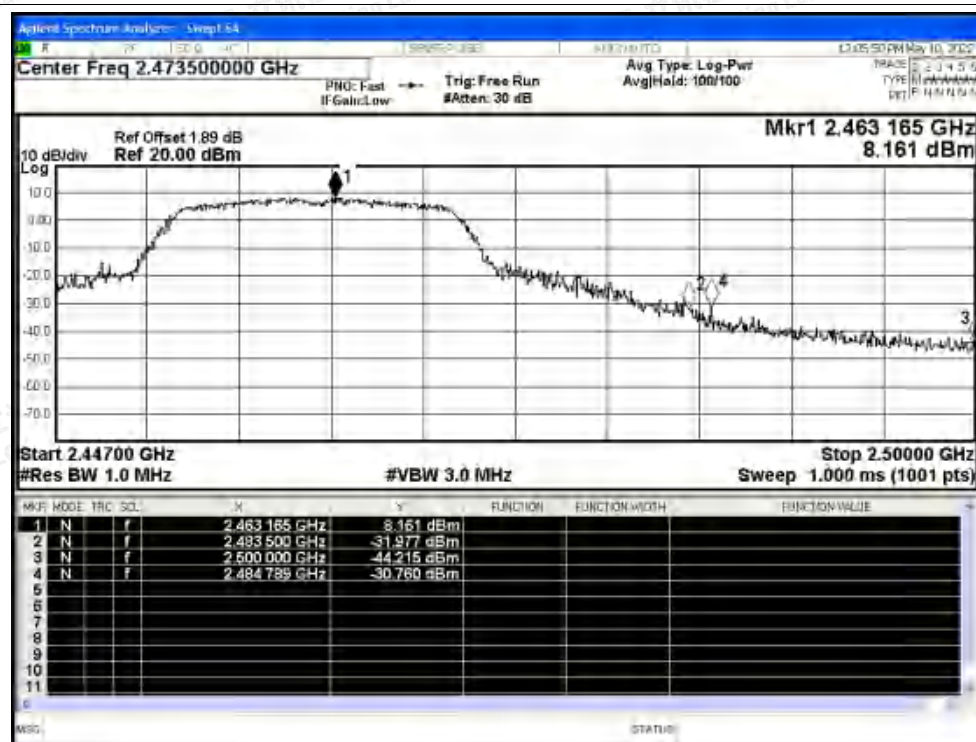
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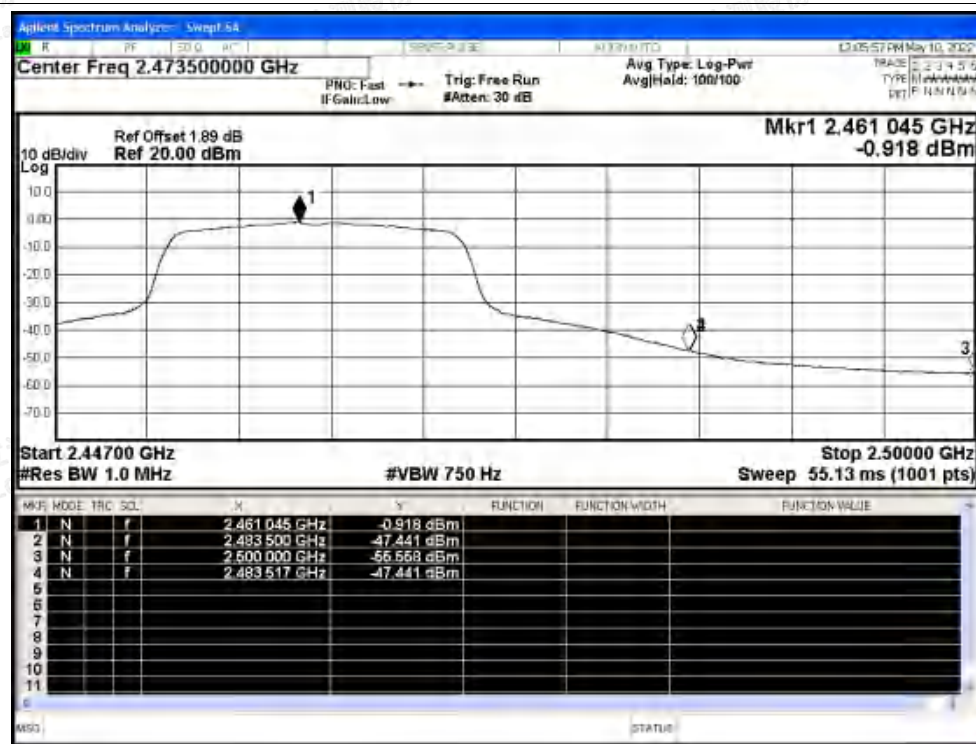
Scan code to check authenticity



Restrict Band NVNT g 2462MHz Ant0 Peak



Restrict Band NVNT g 2462MHz Ant0 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

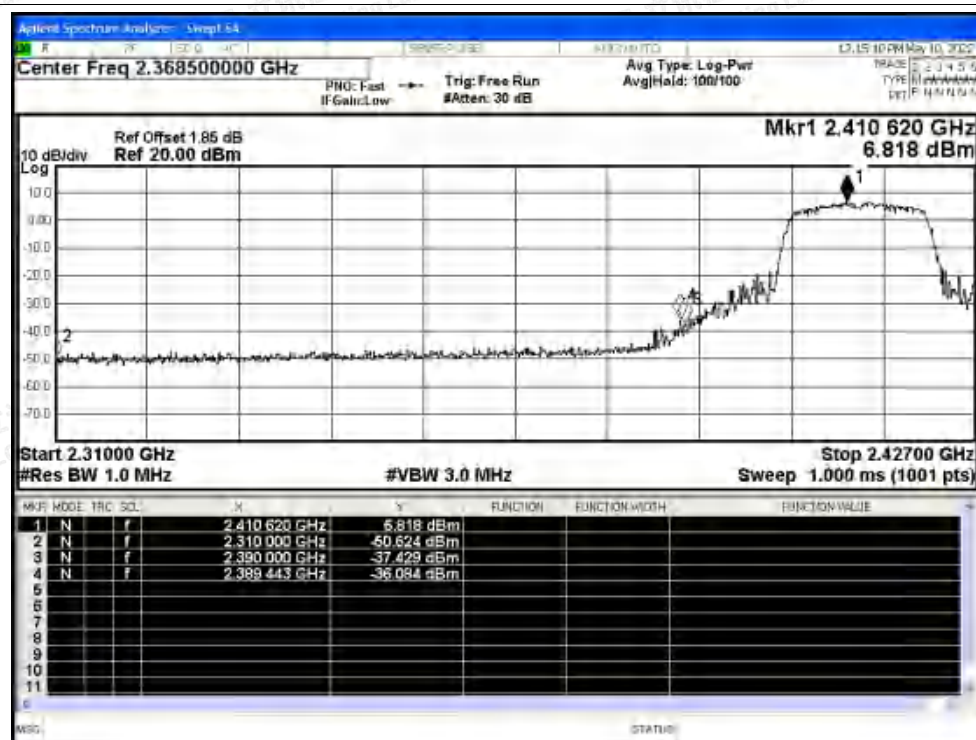
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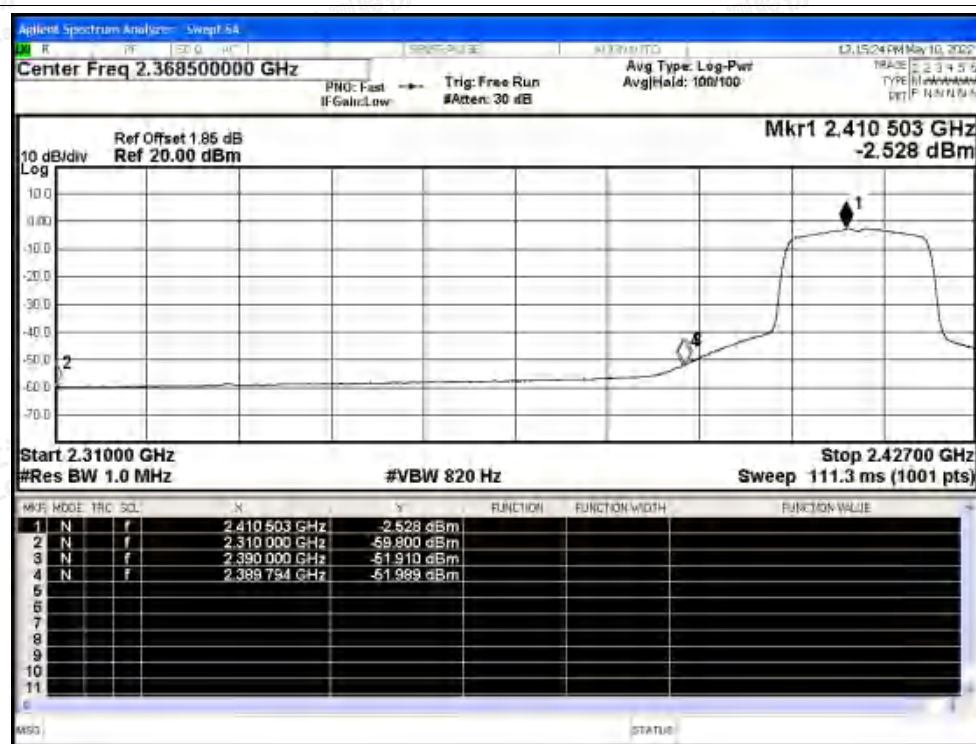
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Restrict Band NVNT n20 2412MHz Ant0 Peak



Restrict Band NVNT n20 2412MHz Ant0 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

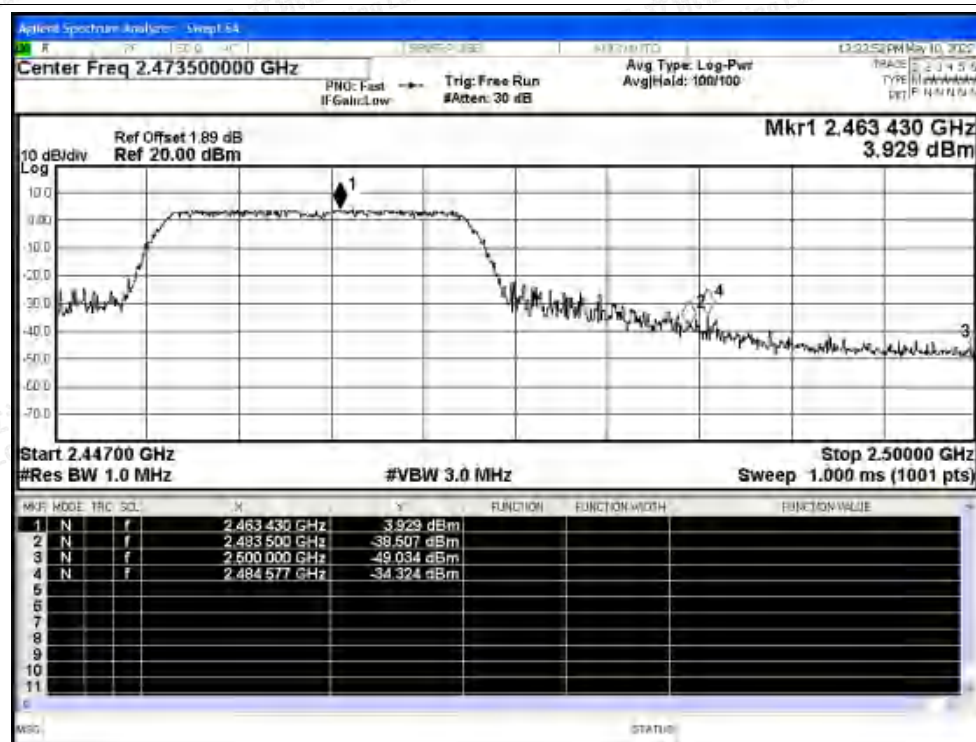
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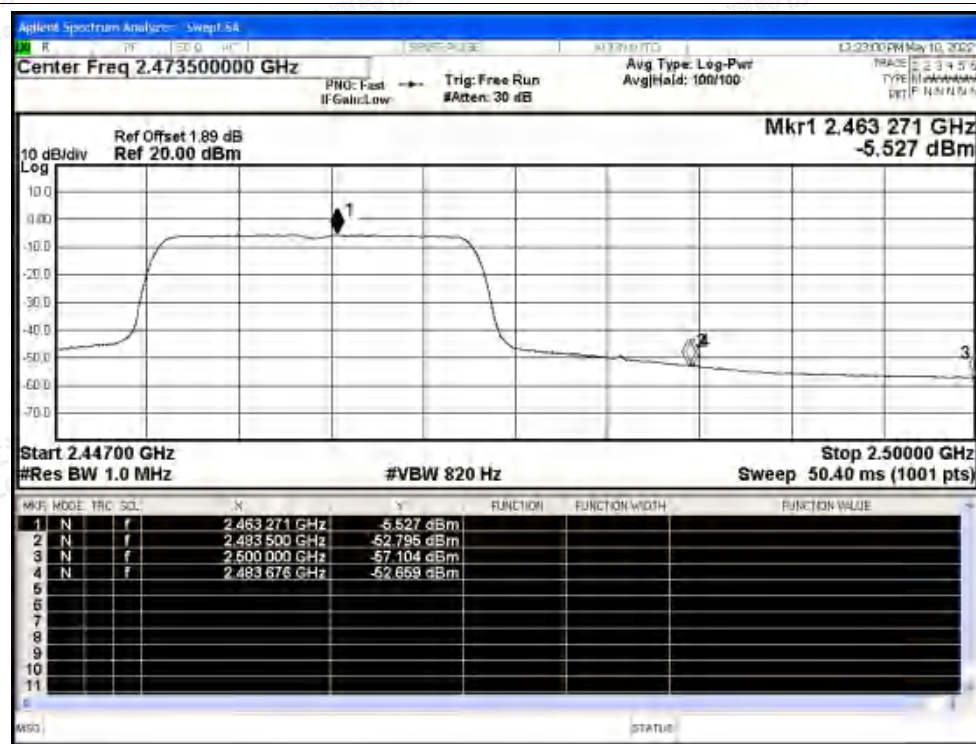
Scan code to check authenticity



Restrict Band NVNT n20 2462MHz Ant0 Peak



Restrict Band NVNT n20 2462MHz Ant0 Average



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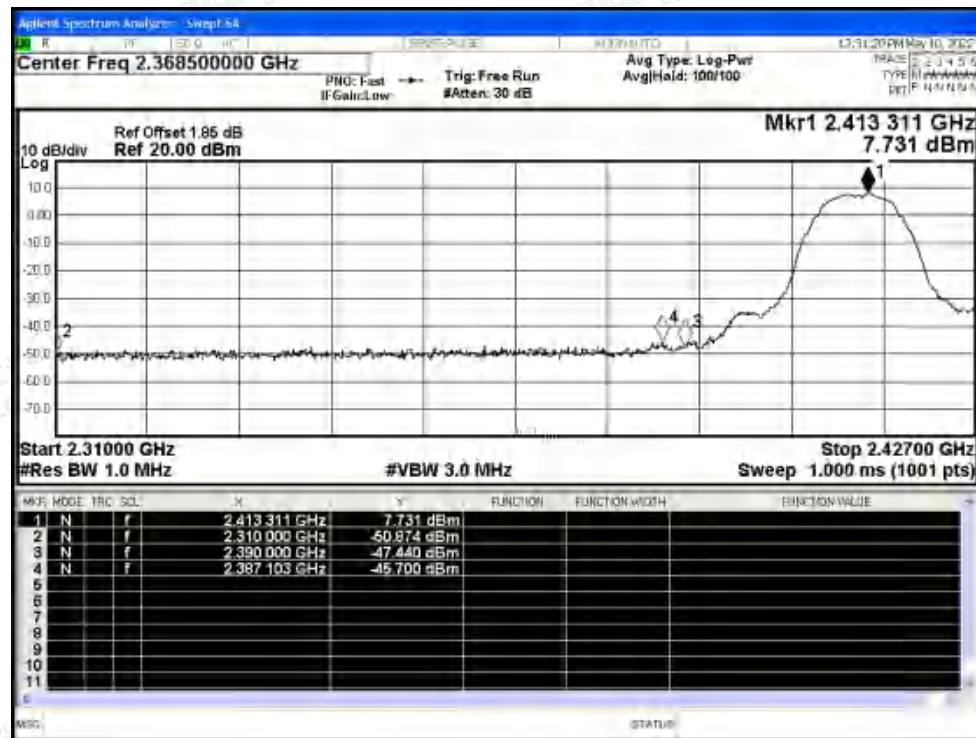
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Test Graphs

Restrict Band NVNT b 2412MHz Ant1 Peak



Restrict Band NVNT b 2412MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

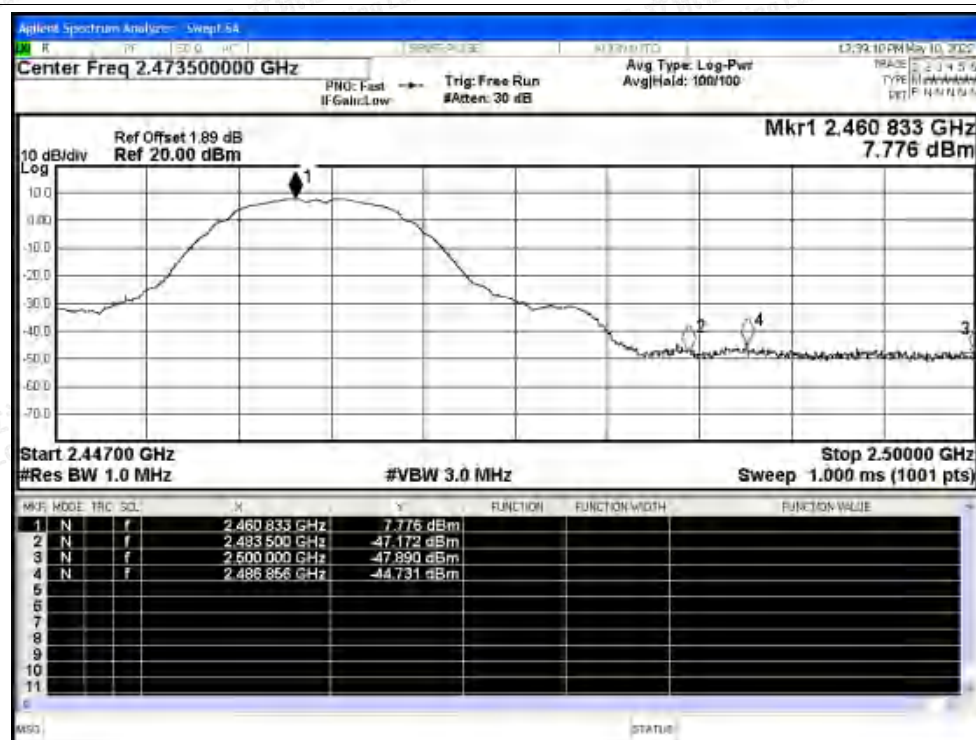
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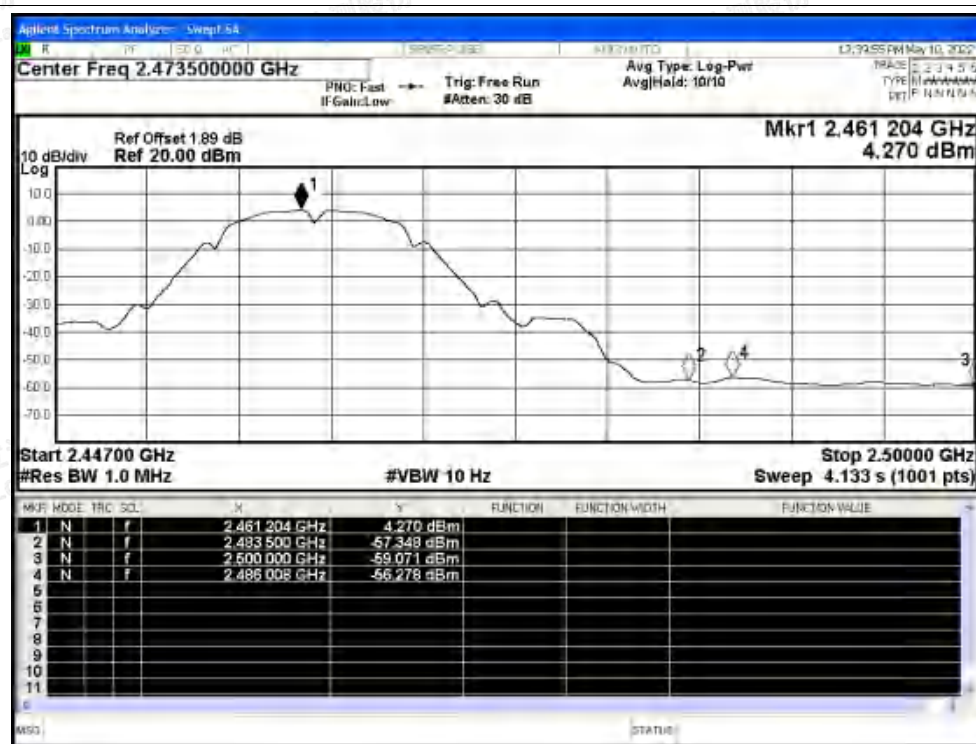
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Restrict Band NVNT b 2462MHz Ant1 Peak



Restrict Band NVNT b 2462MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

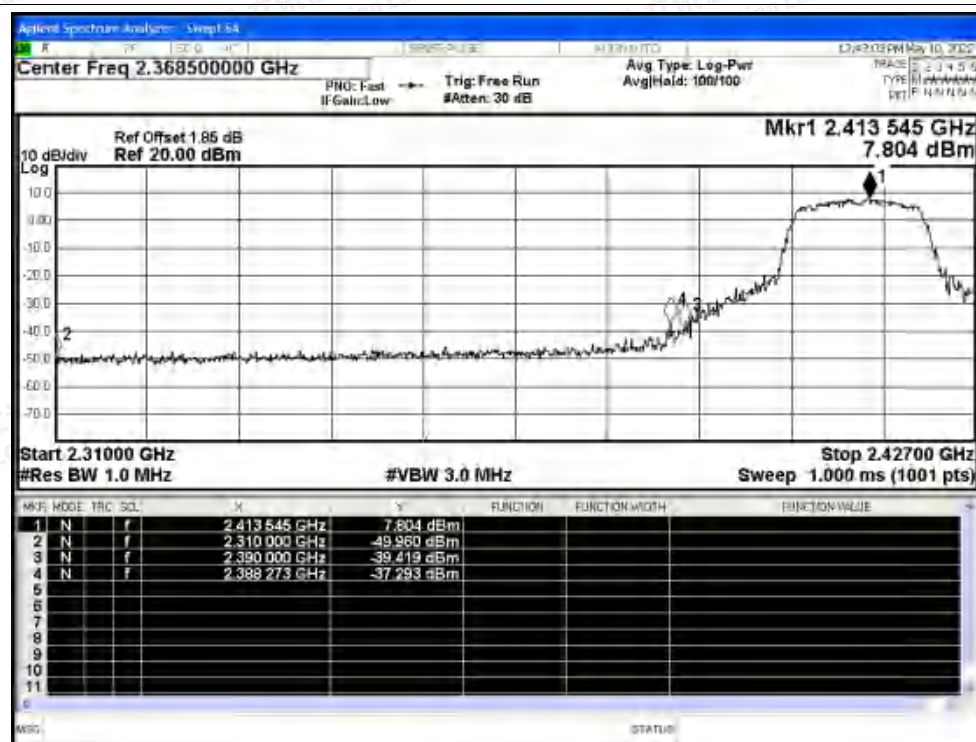
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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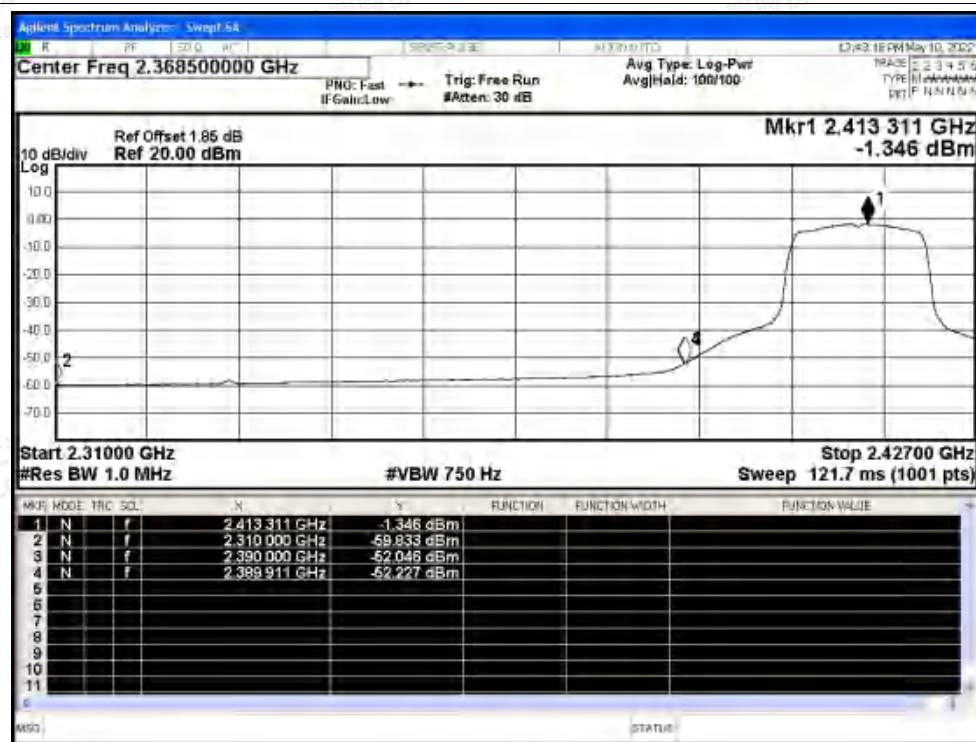
Scan code to check authenticity



Restrict Band NVNT g 2412MHz Ant1 Peak



Restrict Band NVNT g 2412MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

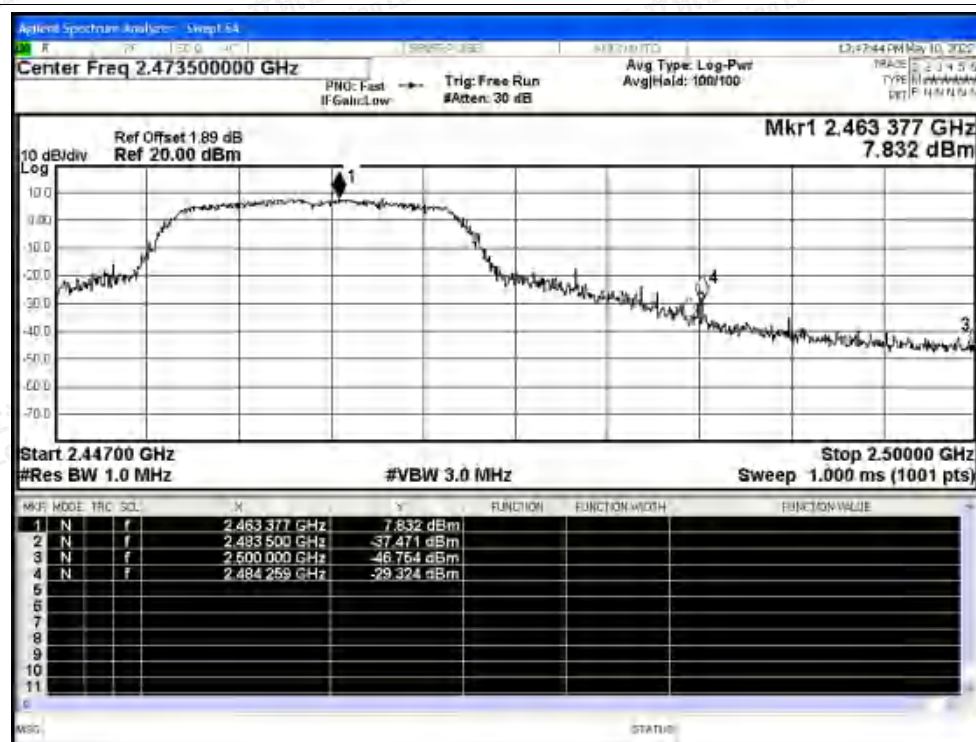
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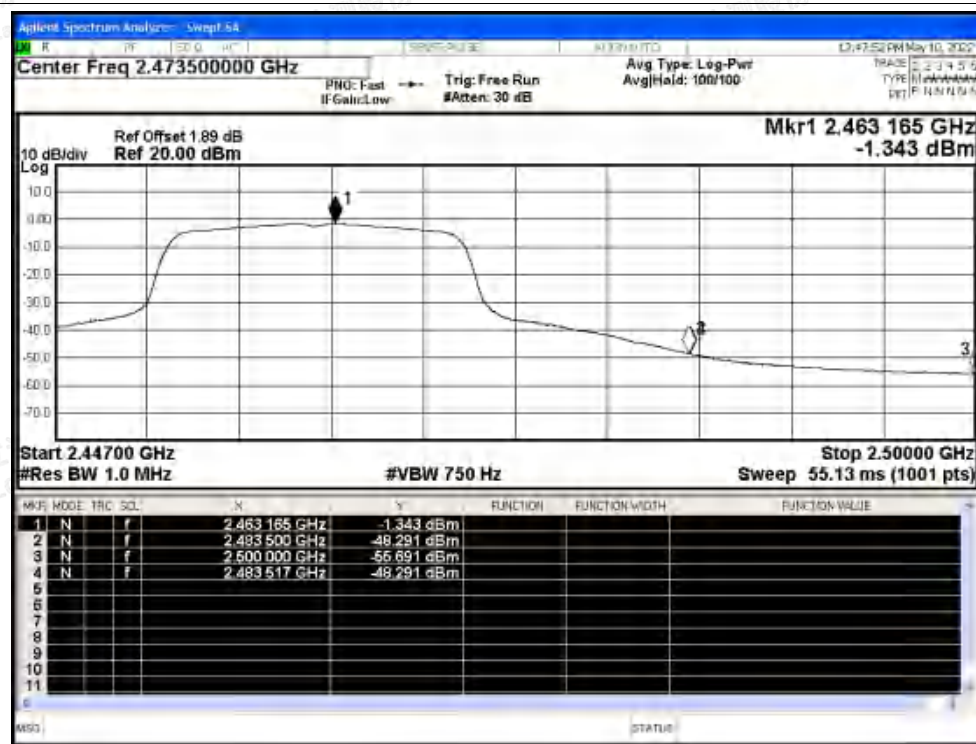
Scan code to check authenticity



Restrict Band NVNT g 2462MHz Ant1 Peak



Restrict Band NVNT g 2462MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

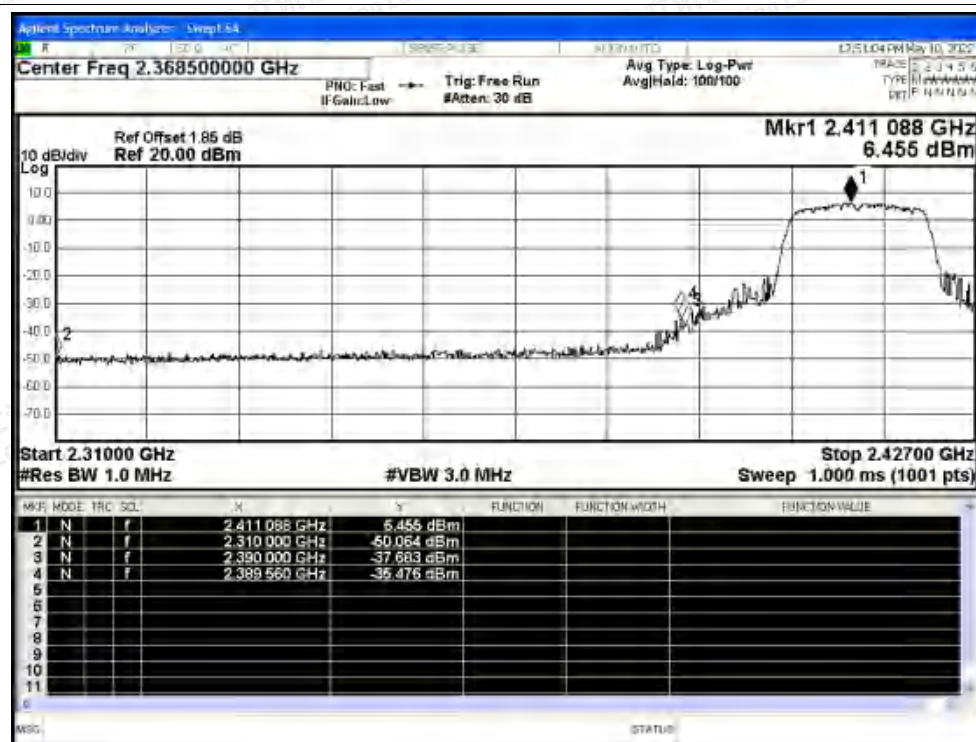
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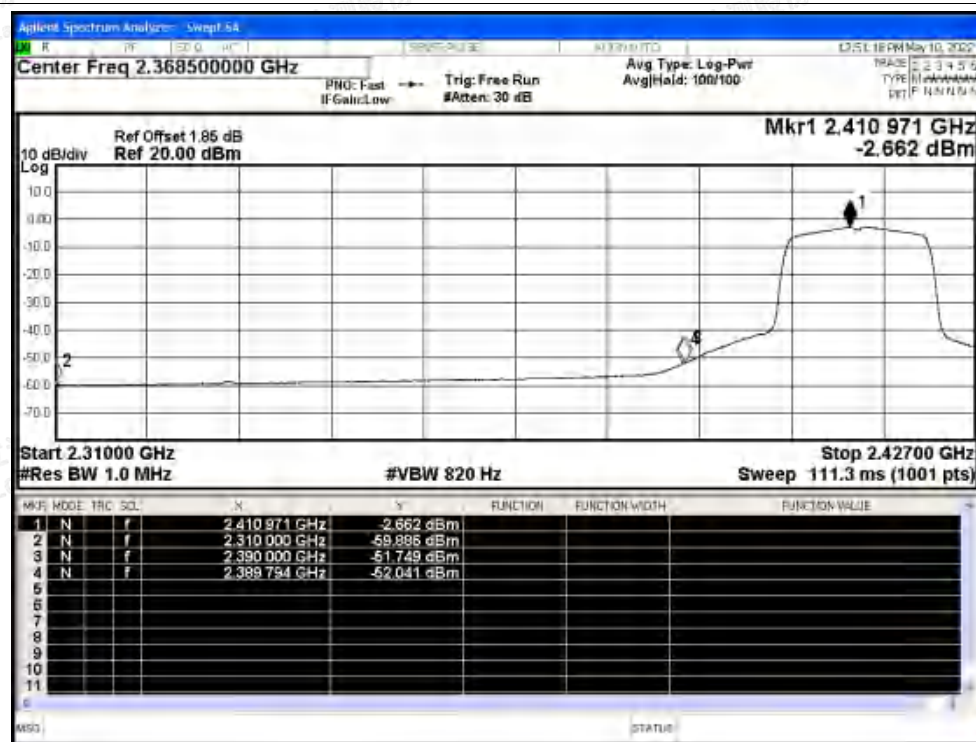
Scan code to check authenticity



Restrict Band NVNT n20 2412MHz Ant1 Peak



Restrict Band NVNT n20 2412MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

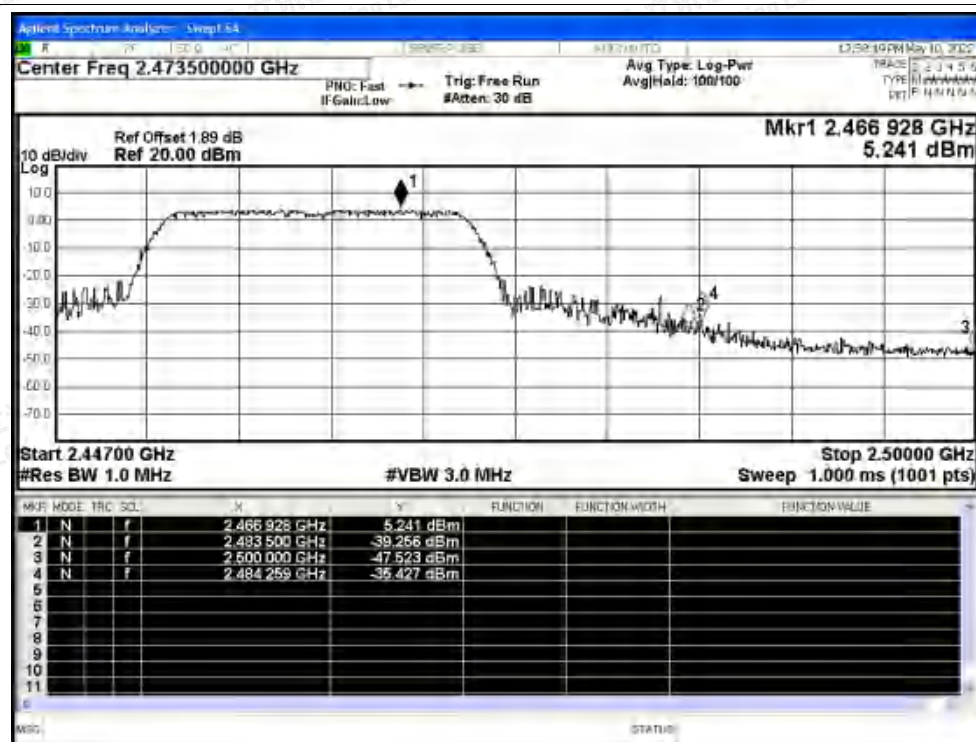
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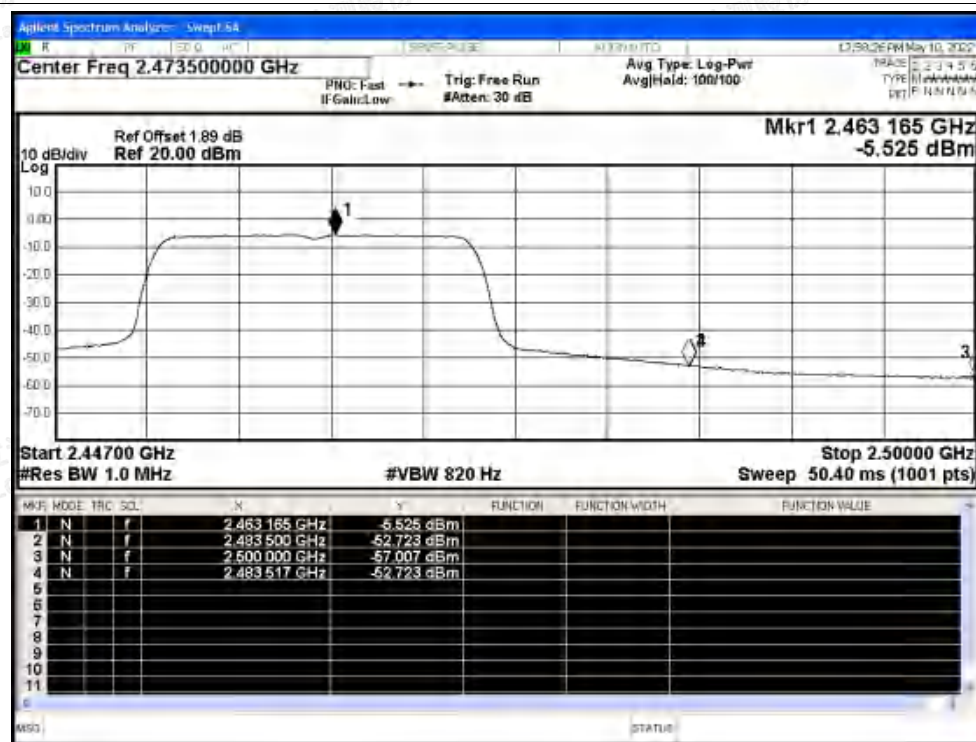
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