



Appendix B

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: BDE Wi-Fi 6 & BLE Combo Module

Test Model: BDE-BW3301N1

Environmental Conditions

Temperature:	23.4° C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng



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B.1 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	7.079	≥ 0.5	Pass
NVNT	b	2437	Ant1	7.004	≥ 0.5	Pass
NVNT	b	2462	Ant1	6.018	≥ 0.5	Pass
NVNT	g	2412	Ant1	14.777	≥ 0.5	Pass
NVNT	g	2437	Ant1	13.485	≥ 0.5	Pass
NVNT	g	2462	Ant1	14.198	≥ 0.5	Pass
NVNT	n20	2412	Ant1	15.306	≥ 0.5	Pass
NVNT	n20	2437	Ant1	15.404	≥ 0.5	Pass
NVNT	n20	2462	Ant1	16.092	≥ 0.5	Pass
NVNT	ax20	2412	Ant1	18.561	≥ 0.5	Pass
NVNT	ax20	2437	Ant1	17.129	≥ 0.5	Pass
NVNT	ax20	2462	Ant1	18.111	≥ 0.5	Pass

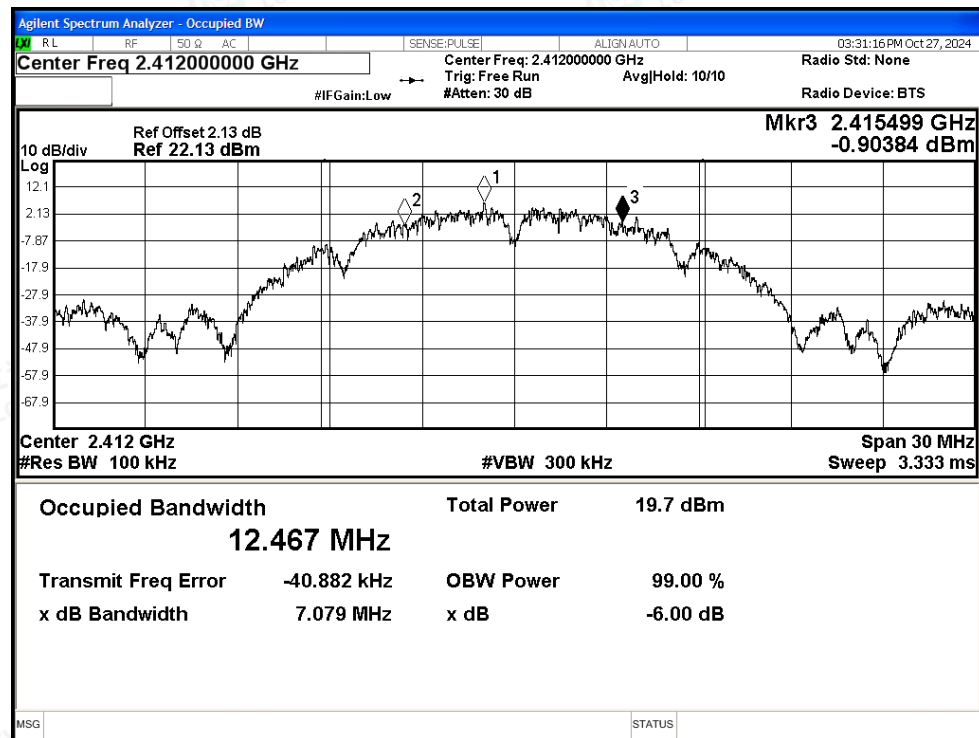


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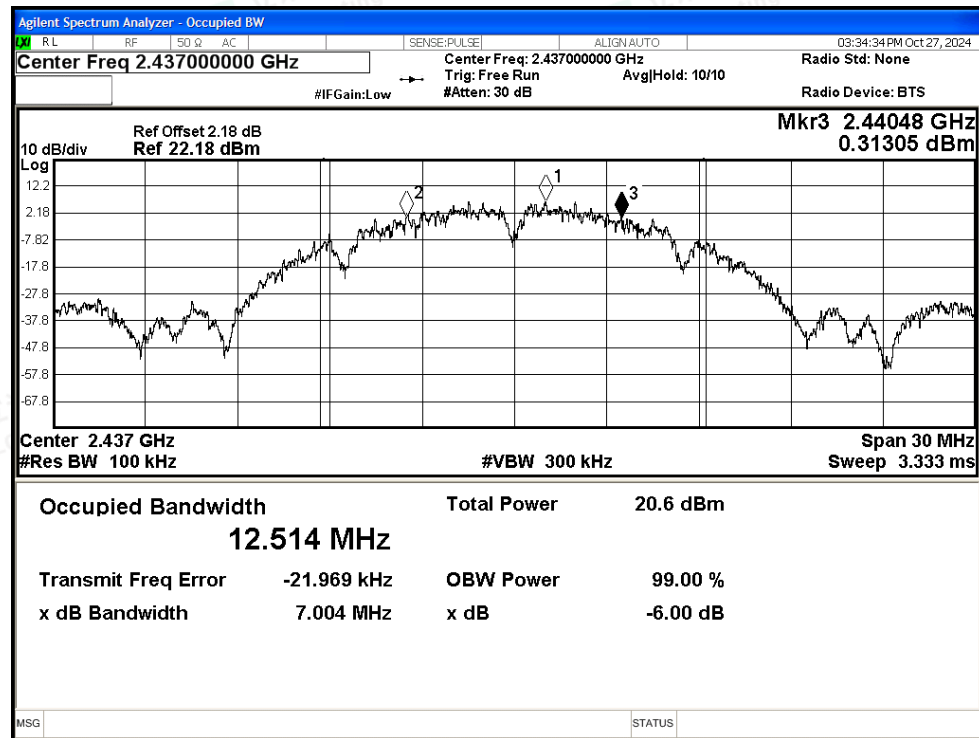


Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1



-6dB Bandwidth NVNT b 2437MHz Ant1



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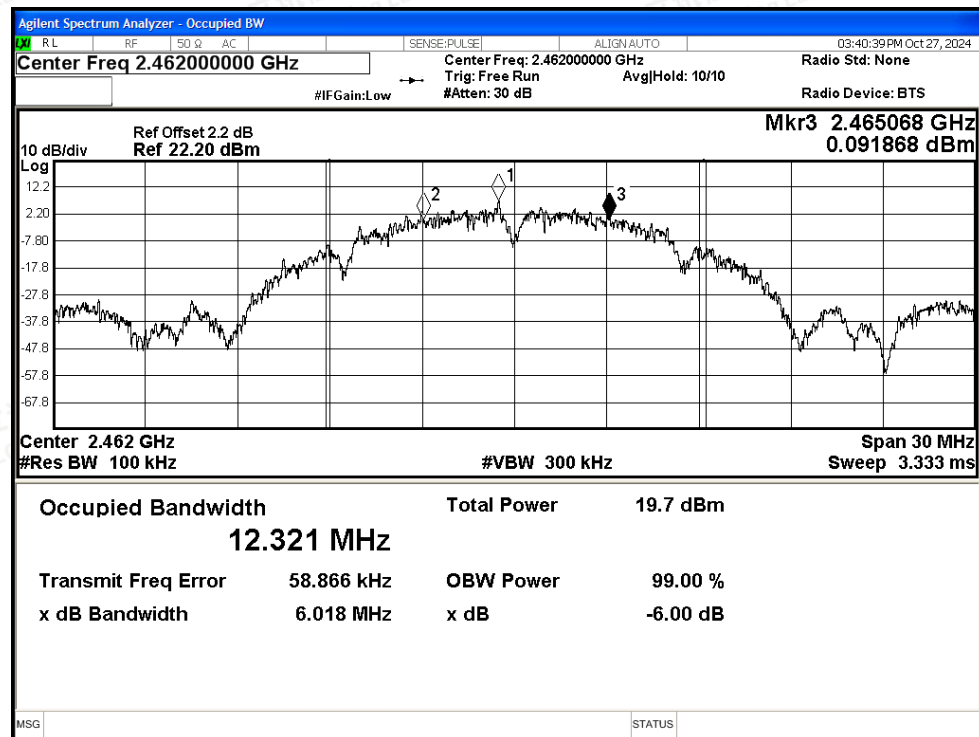
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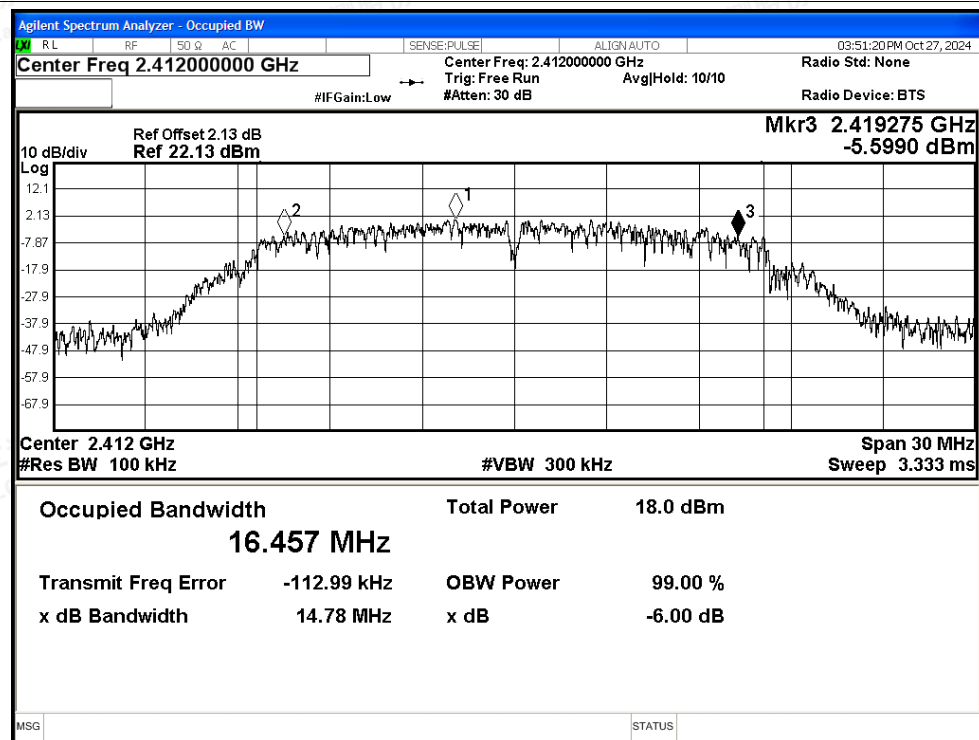
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-6dB Bandwidth NVNT b 2462MHz Ant1

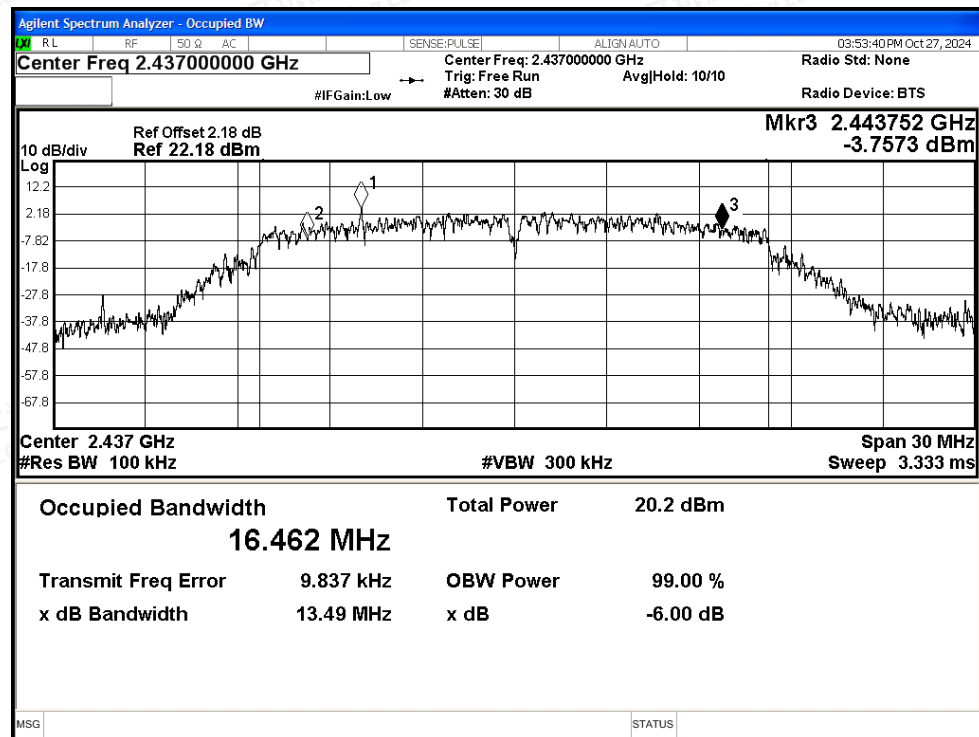


-6dB Bandwidth NVNT g 2412MHz Ant1

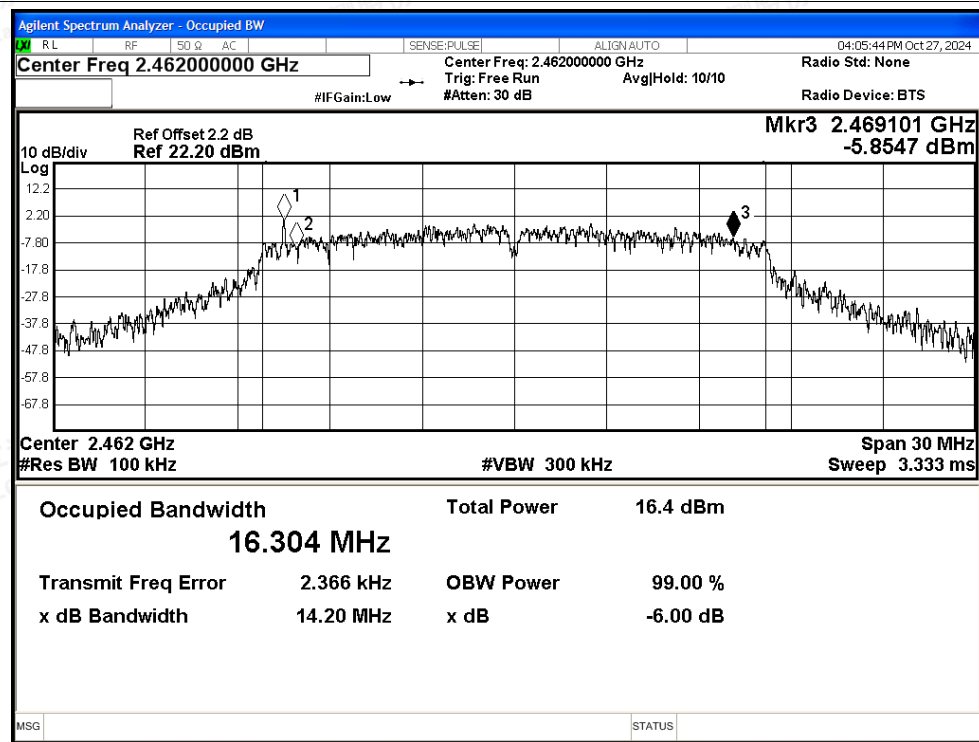




-6dB Bandwidth NVNT g 2437MHz Ant1



-6dB Bandwidth NVNT g 2462MHz Ant1



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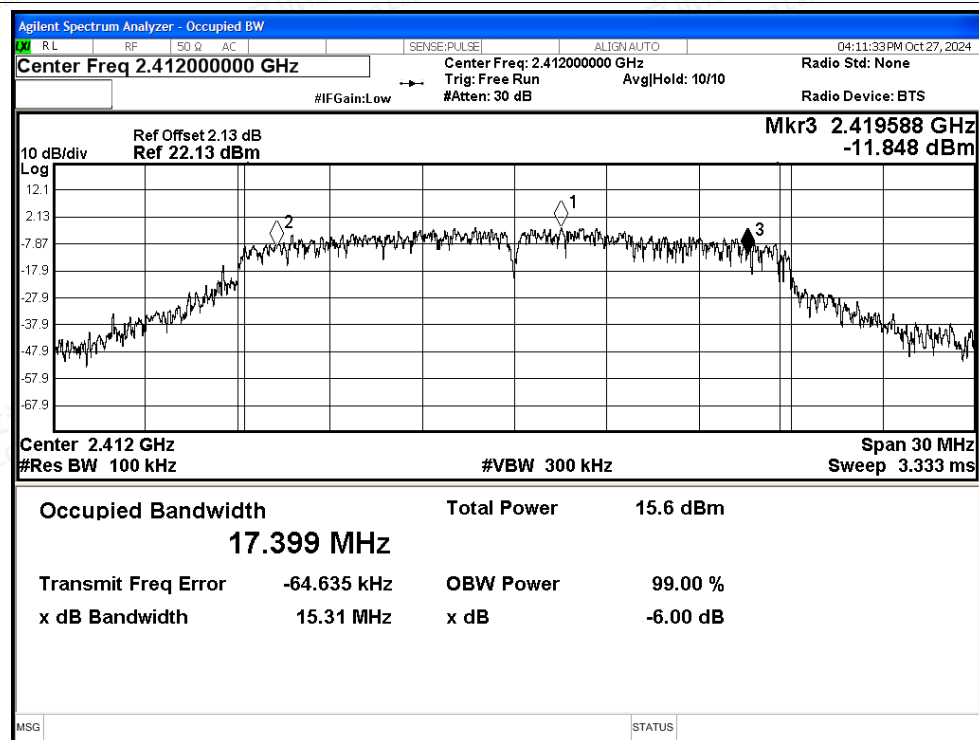
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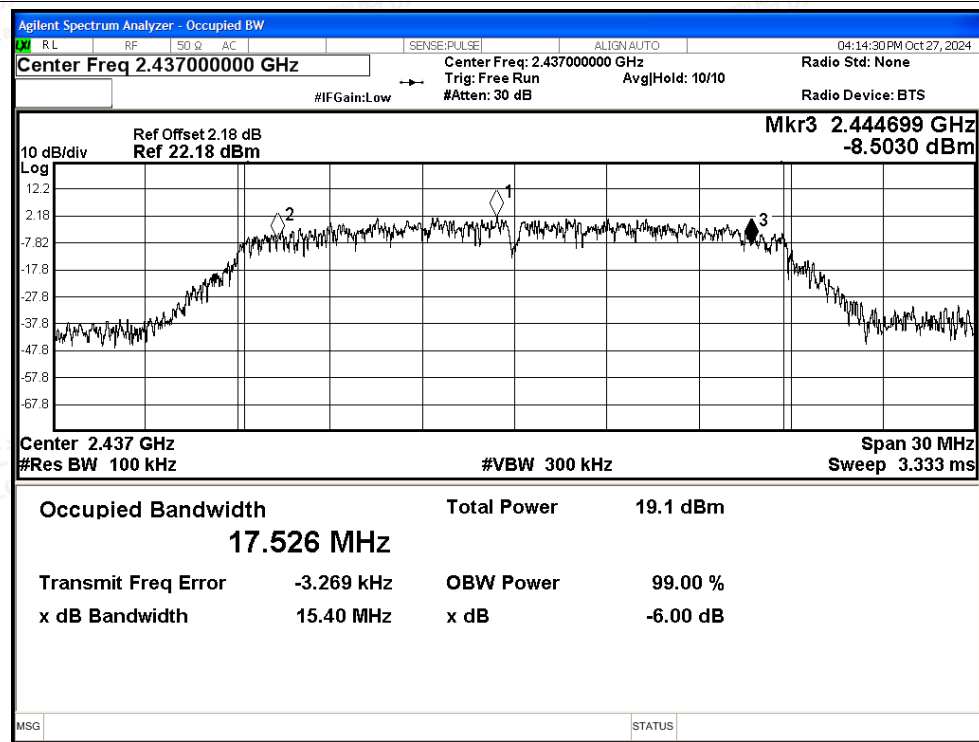
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-6dB Bandwidth NVNT n20 2412MHz Ant1

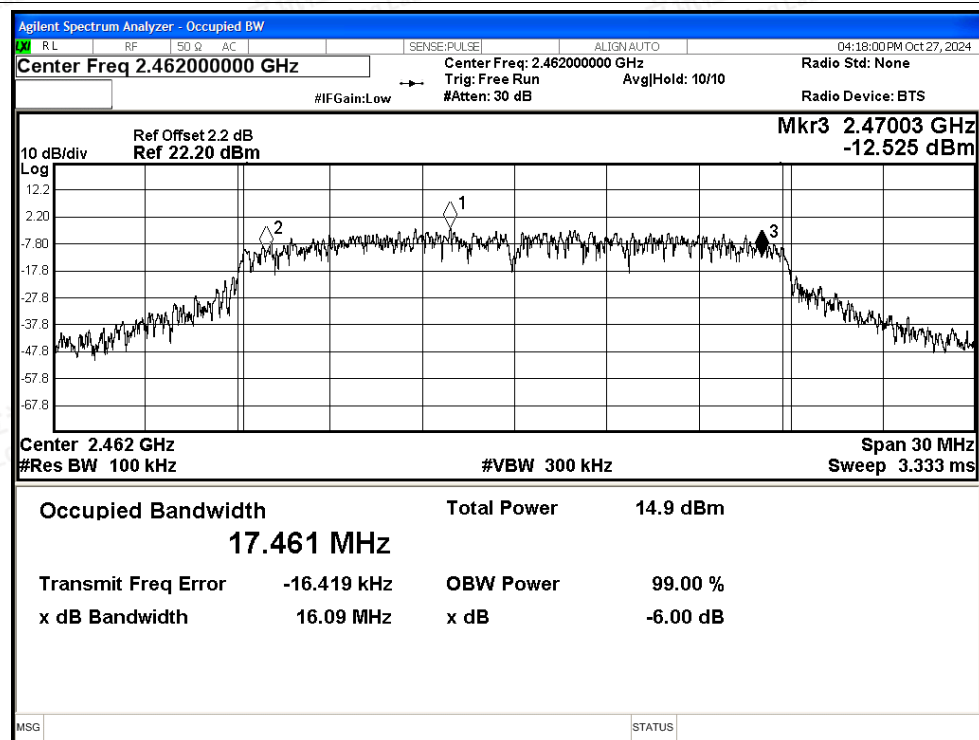


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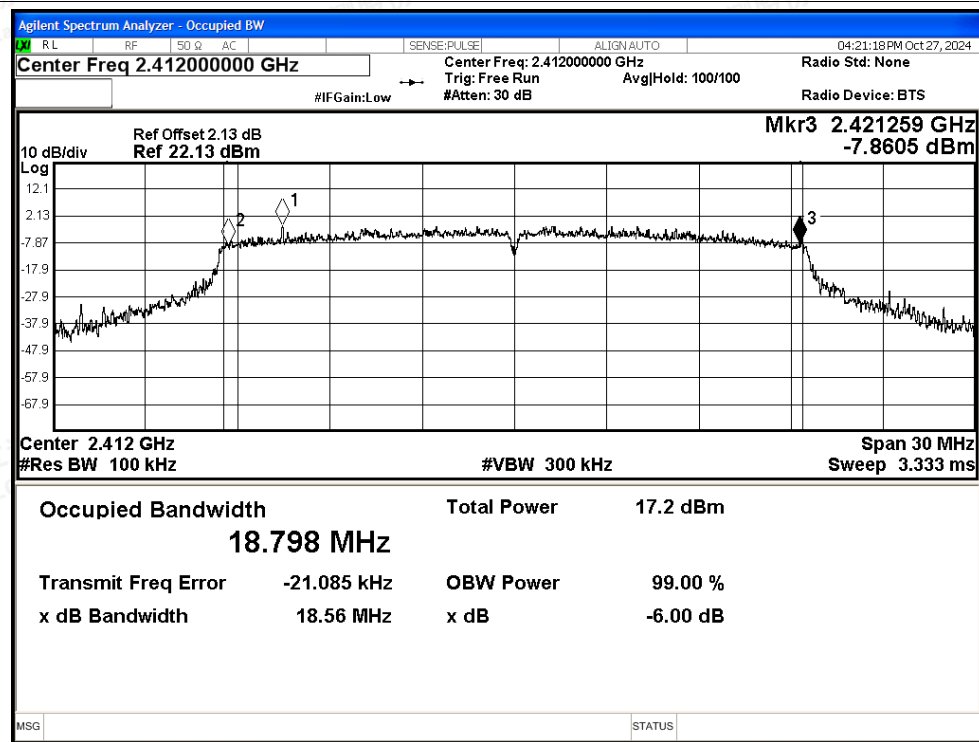




-6dB Bandwidth NVNT n20 2462MHz Ant1



-6dB Bandwidth NVNT ax20 2412MHz Ant1



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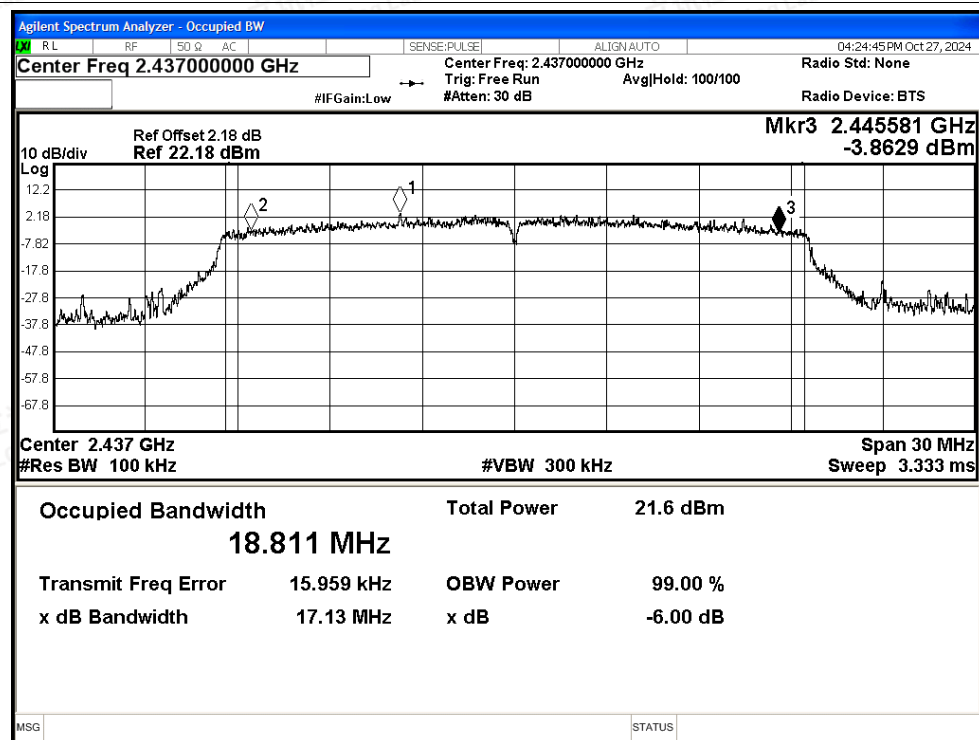
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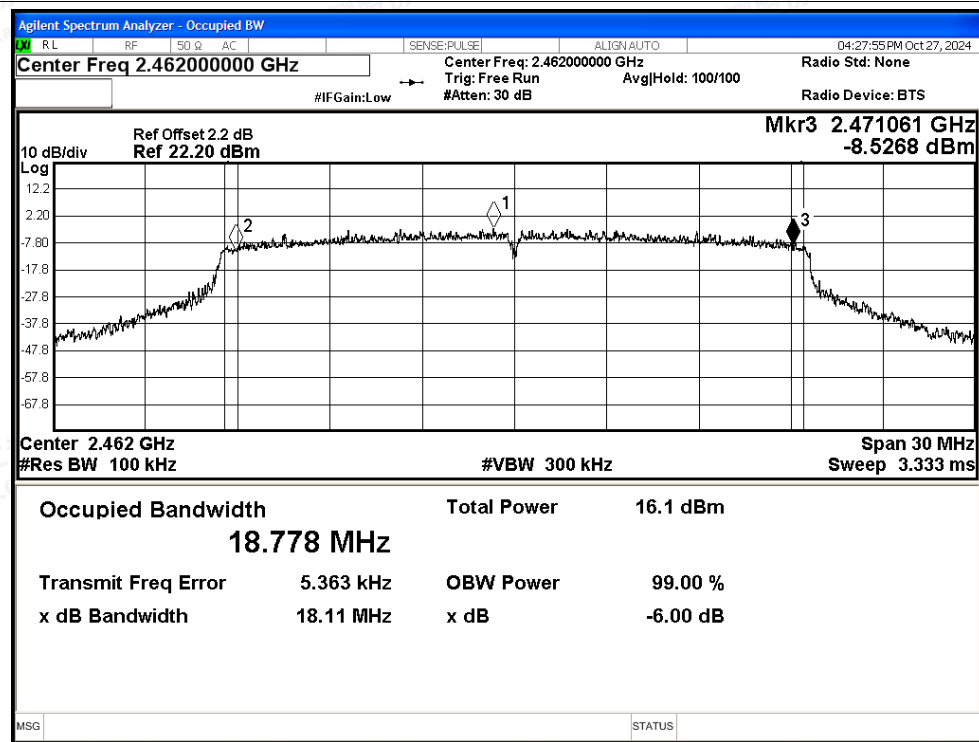
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-6dB Bandwidth NVNT ax20 2437MHz Ant1



-6dB Bandwidth NVNT ax20 2462MHz Ant1



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802.11ax OFDMA-(26 Tone)

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	ax20	2412	Ant1	17.501	≥ 0.5	Pass
NVNT	ax20	2437	Ant1	16.119	≥ 0.5	Pass
NVNT	ax20	2462	Ant1	17.085	≥ 0.5	Pass

802.11ax OFDMA-(52 Tone)

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	ax20	2412	Ant1	17.491	≥ 0.5	Pass
NVNT	ax20	2437	Ant1	16.045	≥ 0.5	Pass
NVNT	ax20	2462	Ant1	17.058	≥ 0.5	Pass

802.11ax OFDMA-(106 Tone)

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	ax20	2412	Ant1	17.483	≥ 0.5	Pass
NVNT	ax20	2437	Ant1	16.012	≥ 0.5	Pass
NVNT	ax20	2462	Ant1	17.072	≥ 0.5	Pass

802.11ax OFDMA-(242 Tone)

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	ax20	2412	Ant1	17.523	≥ 0.5	Pass
NVNT	ax20	2437	Ant1	15.996	≥ 0.5	Pass
NVNT	ax20	2462	Ant1	16.999	≥ 0.5	Pass





B.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	16.24	30	Pass
NVNT	b	2437	Ant1	17.2	30	Pass
NVNT	b	2462	Ant1	16.45	30	Pass
NVNT	g	2412	Ant1	16.95	30	Pass
NVNT	g	2437	Ant1	18.54	30	Pass
NVNT	g	2462	Ant1	15.31	30	Pass
NVNT	n20	2412	Ant1	14.57	30	Pass
NVNT	n20	2437	Ant1	18.21	30	Pass
NVNT	n20	2462	Ant1	16.23	30	Pass
NVNT	ax20	2412	Ant1	16.88	30	Pass
NVNT	ax20	2437	Ant1	21.11	30	Pass
NVNT	ax20	2462	Ant1	15.77	30	Pass



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802.11ax OFDMA-(26 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Antenna gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
NVNT	ax20	2412	Ant1	15.76	30	2.7	18.46	36	Pass
NVNT	ax20	2437	Ant1	19.97	30	2.7	22.67	36	Pass
NVNT	ax20	2462	Ant1	14.60	30	2.7	17.3	36	Pass

802.11ax OFDMA-(52 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Antenna gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
NVNT	ax20	2412	Ant1	15.73	30	2.7	18.43	36	Pass
NVNT	ax20	2437	Ant1	20.00	30	2.7	22.7	36	Pass
NVNT	ax20	2462	Ant1	14.71	30	2.7	17.41	36	Pass

802.11ax OFDMA-(106 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Antenna gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
NVNT	ax20	2412	Ant1	15.78	30	2.7	18.48	36	Pass
NVNT	ax20	2437	Ant1	19.98	30	2.7	22.68	36	Pass
NVNT	ax20	2462	Ant1	14.66	30	2.7	17.36	36	Pass

802.11ax OFDMA-(242 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Antenna gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
NVNT	ax20	2412	Ant1	15.81	30	2.7	18.51	36	Pass
NVNT	ax20	2437	Ant1	19.95	30	2.7	22.65	36	Pass
NVNT	ax20	2462	Ant1	14.57	30	2.7	17.27	36	Pass





B.3 Maximum Power Spectral Density Level

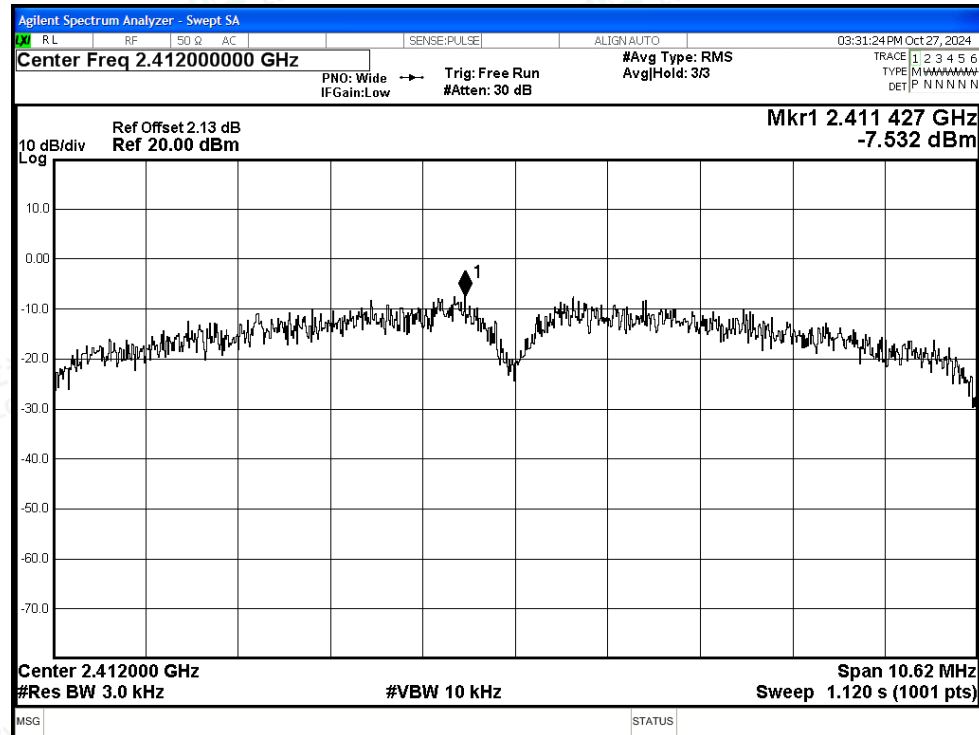
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-7.53	8	Pass
NVNT	b	2437	Ant1	-5.88	8	Pass
NVNT	b	2462	Ant1	-6.87	8	Pass
NVNT	g	2412	Ant1	-10.74	8	Pass
NVNT	g	2437	Ant1	-8.27	8	Pass
NVNT	g	2462	Ant1	-10.51	8	Pass
NVNT	n20	2412	Ant1	-12.64	8	Pass
NVNT	n20	2437	Ant1	-9.1	8	Pass
NVNT	n20	2462	Ant1	-13.91	8	Pass
NVNT	ax20	2412	Ant1	-13.57	8	Pass
NVNT	ax20	2437	Ant1	-9	8	Pass
NVNT	ax20	2462	Ant1	-13.43	8	Pass



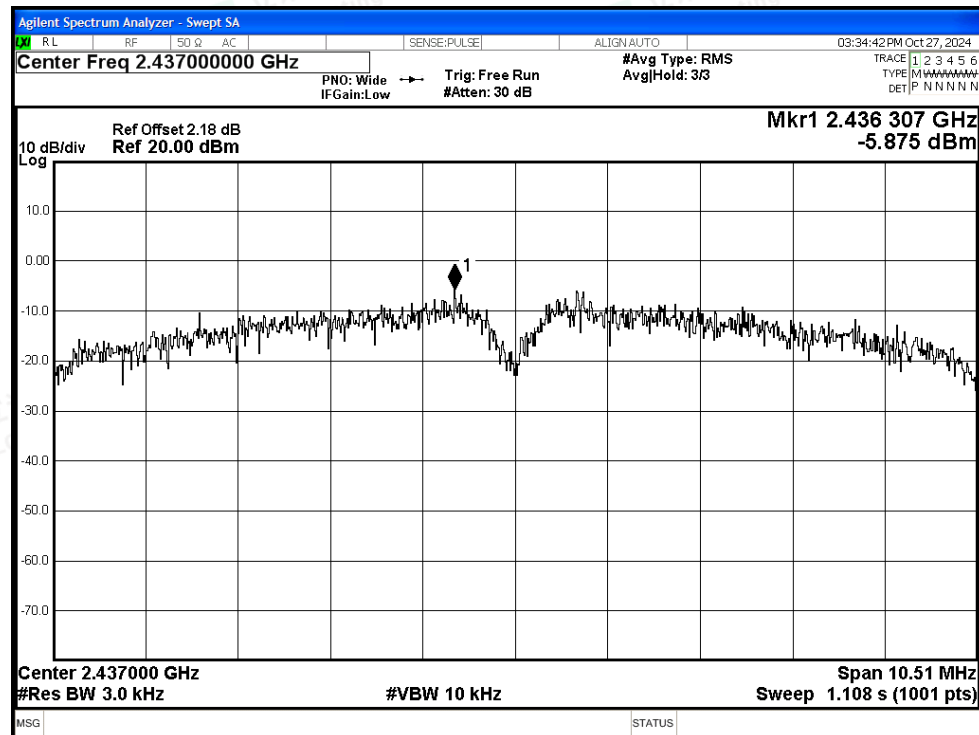


Test Graphs

PSD NVNT b 2412MHz Ant1

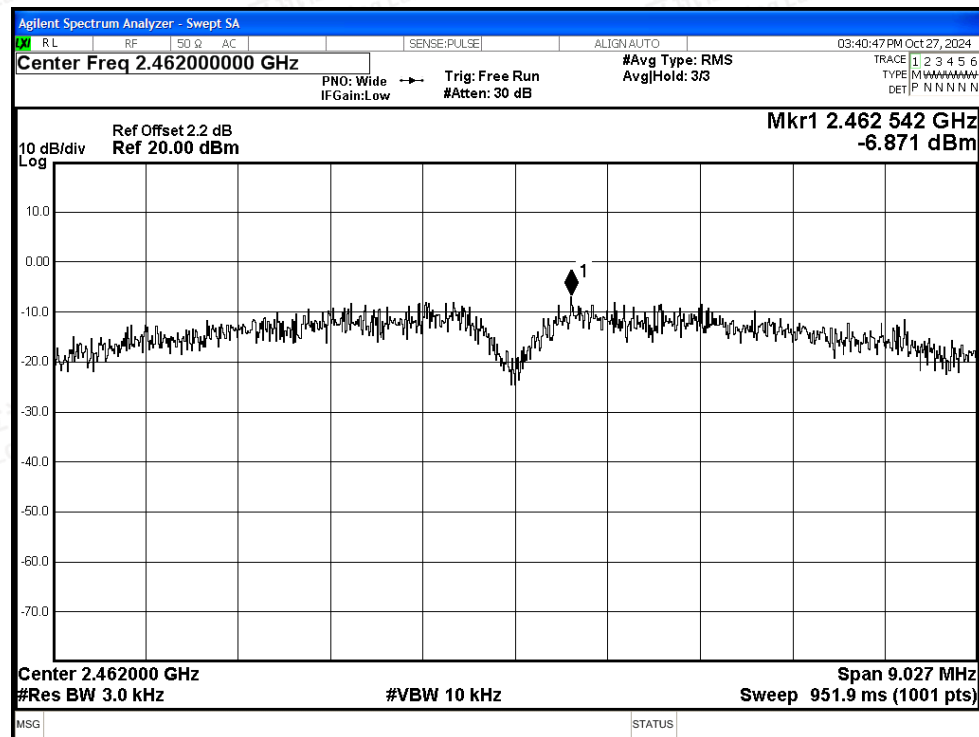


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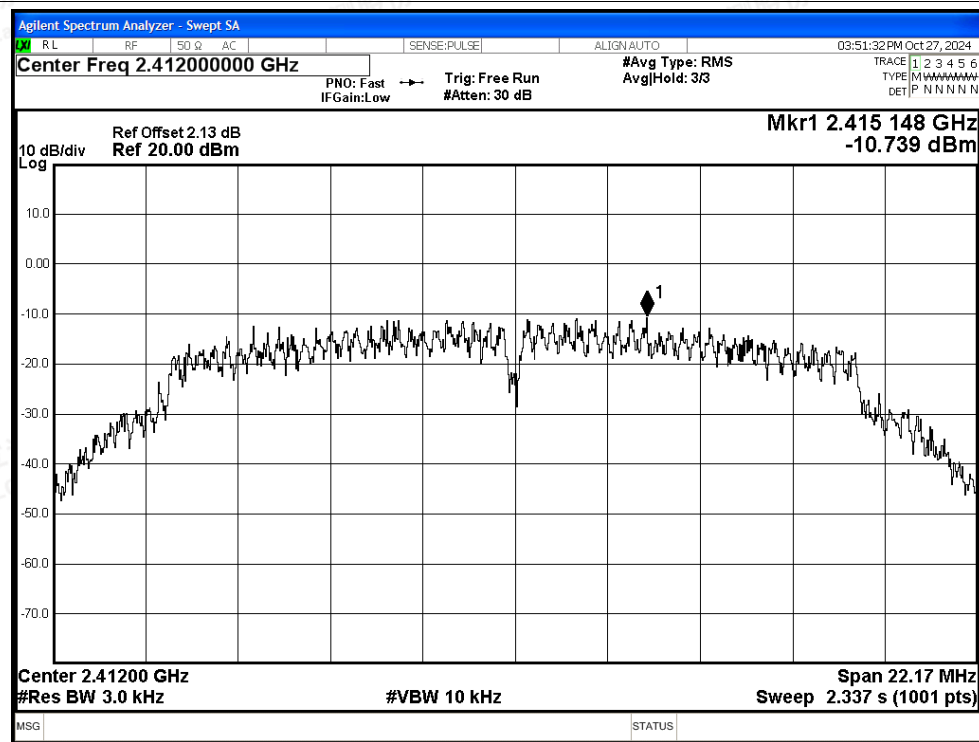


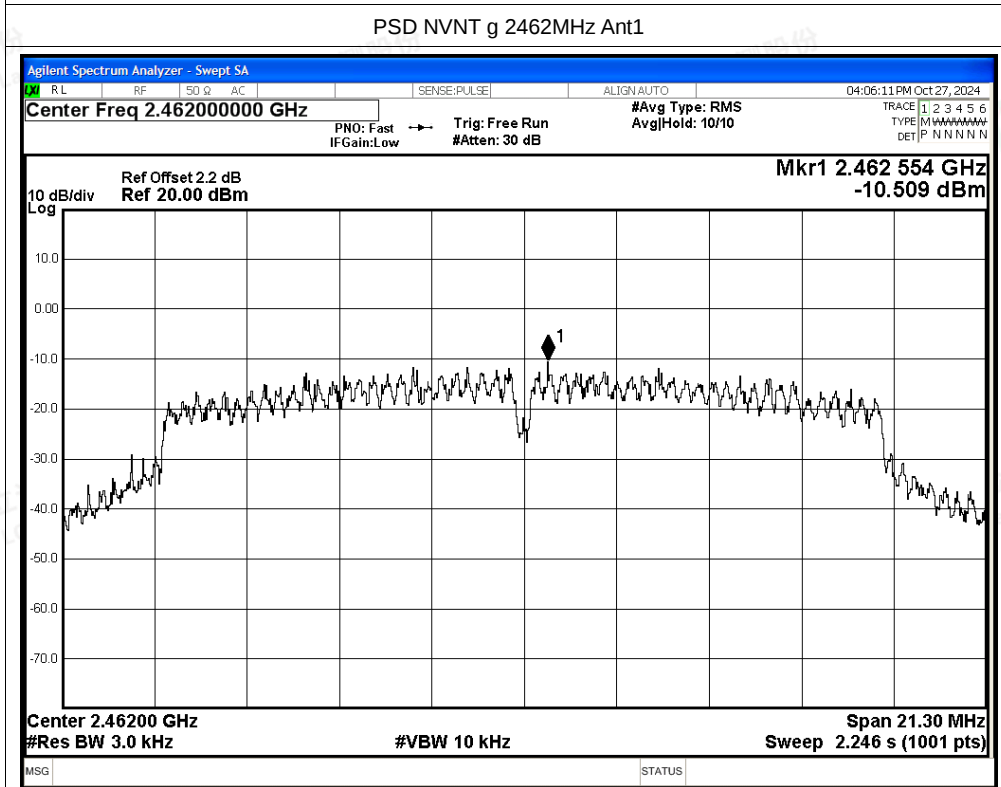
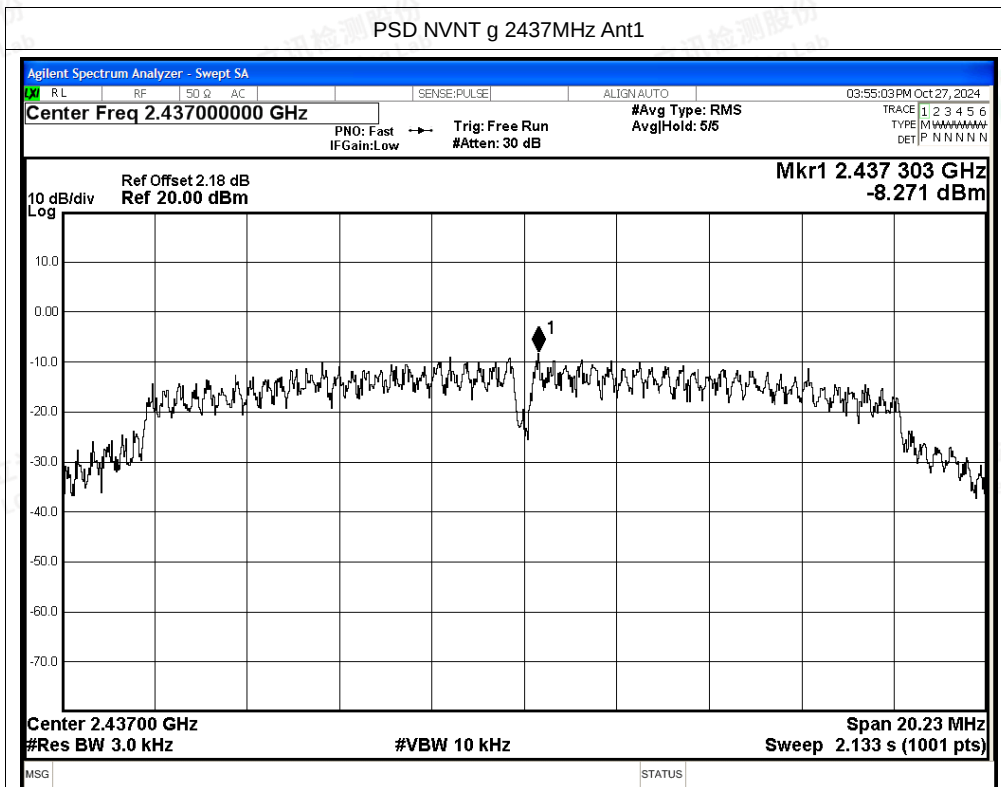


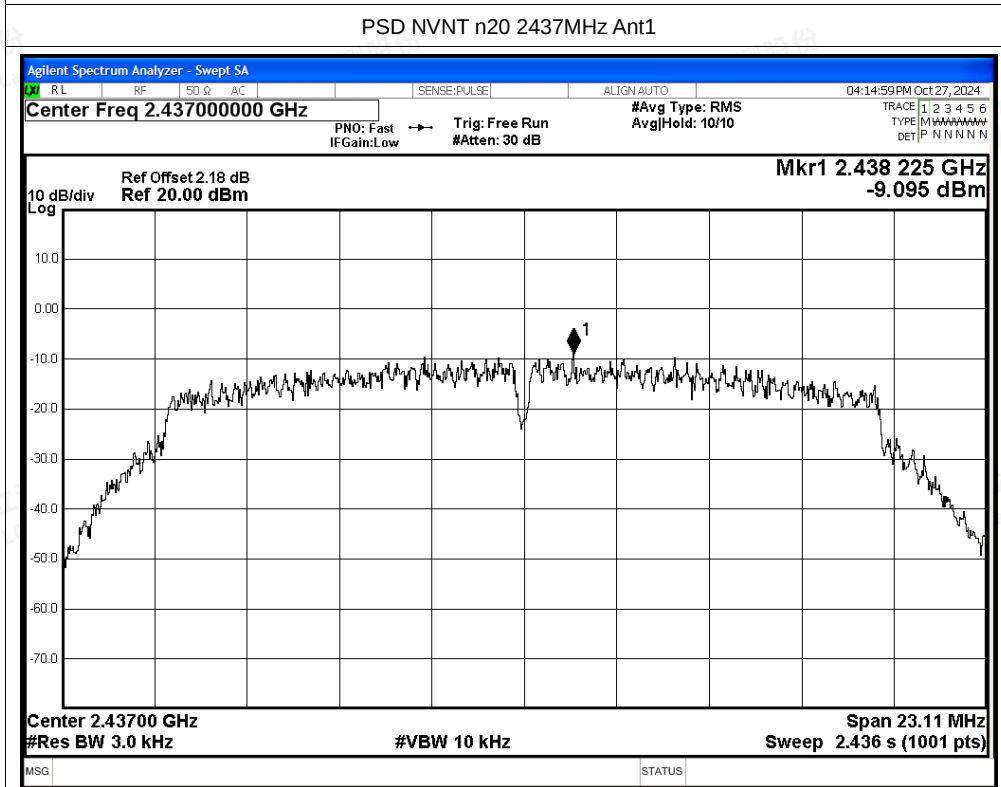
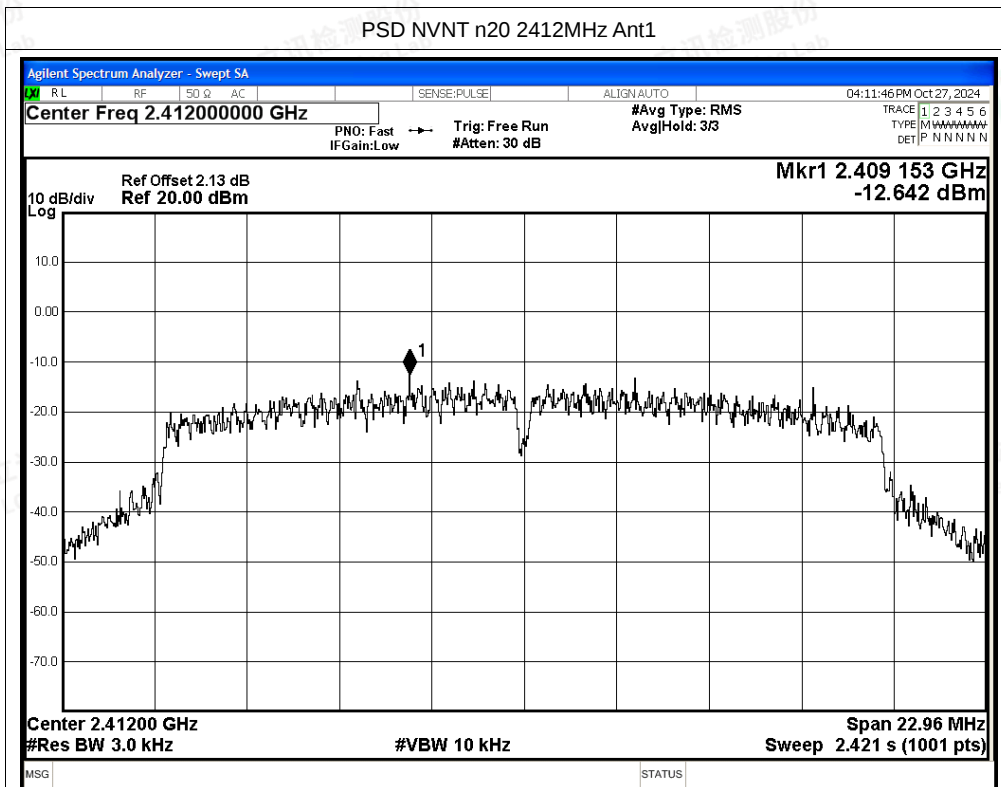
PSD NVNT b 2462MHz Ant1

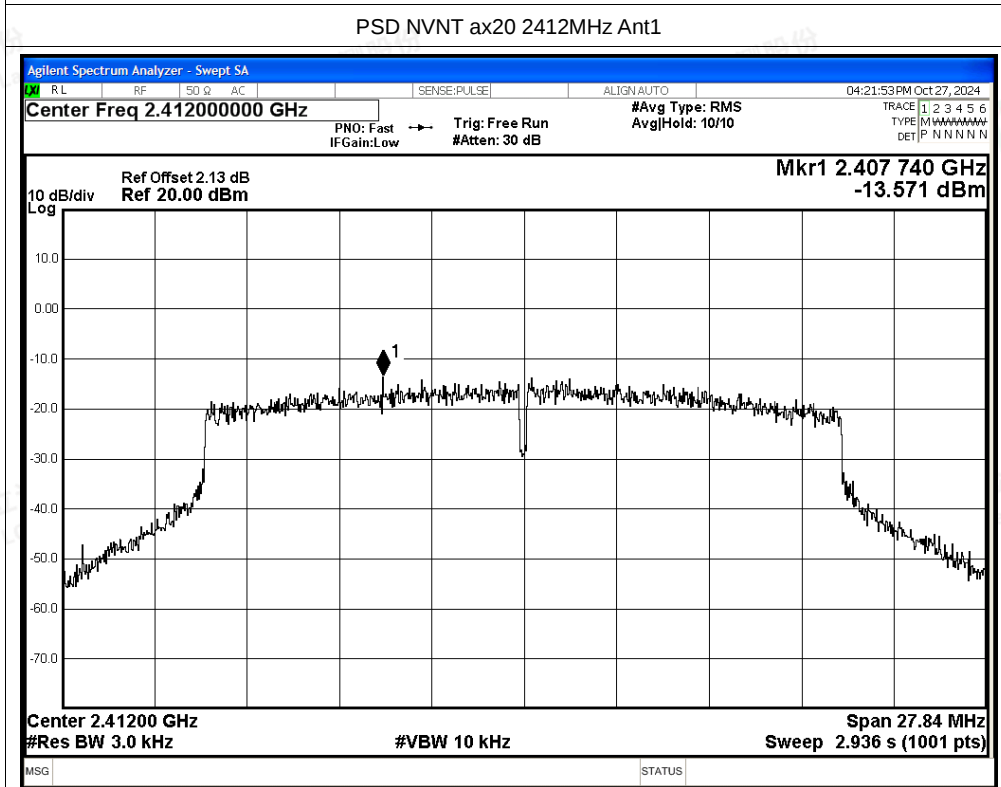
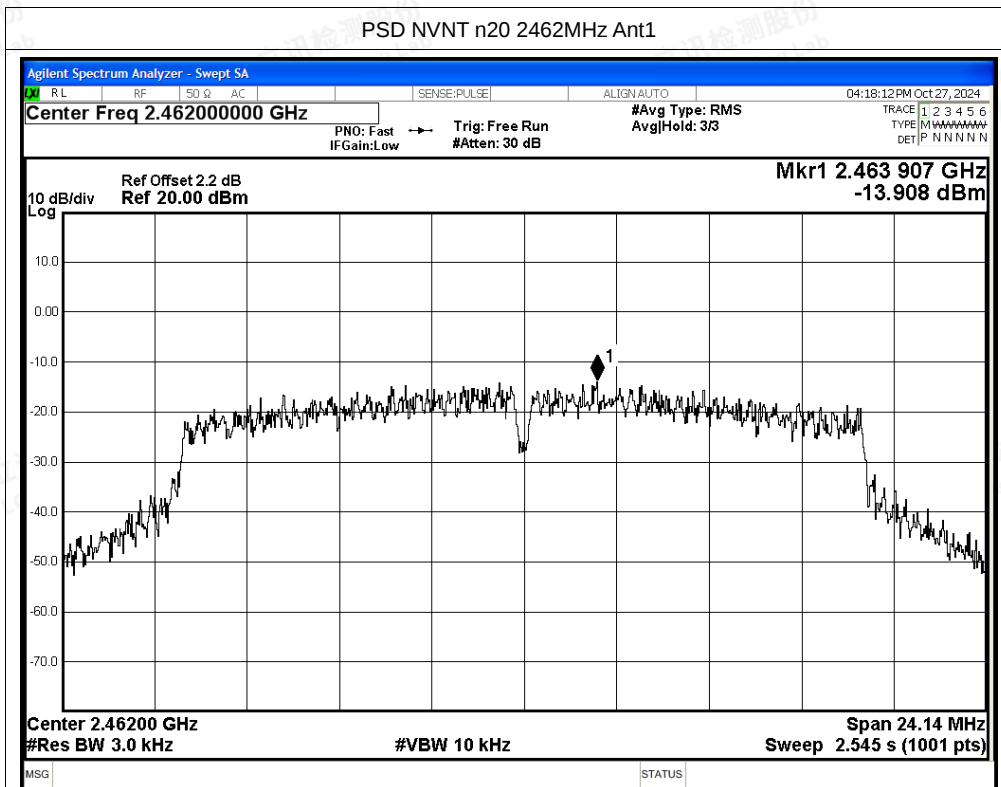


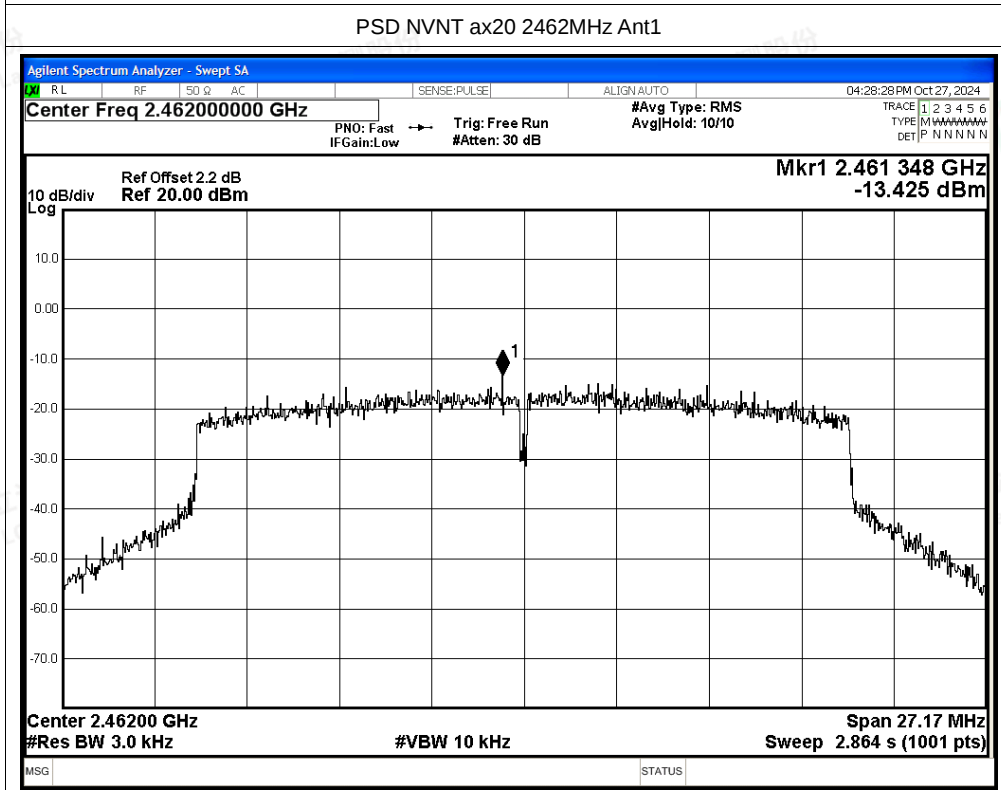
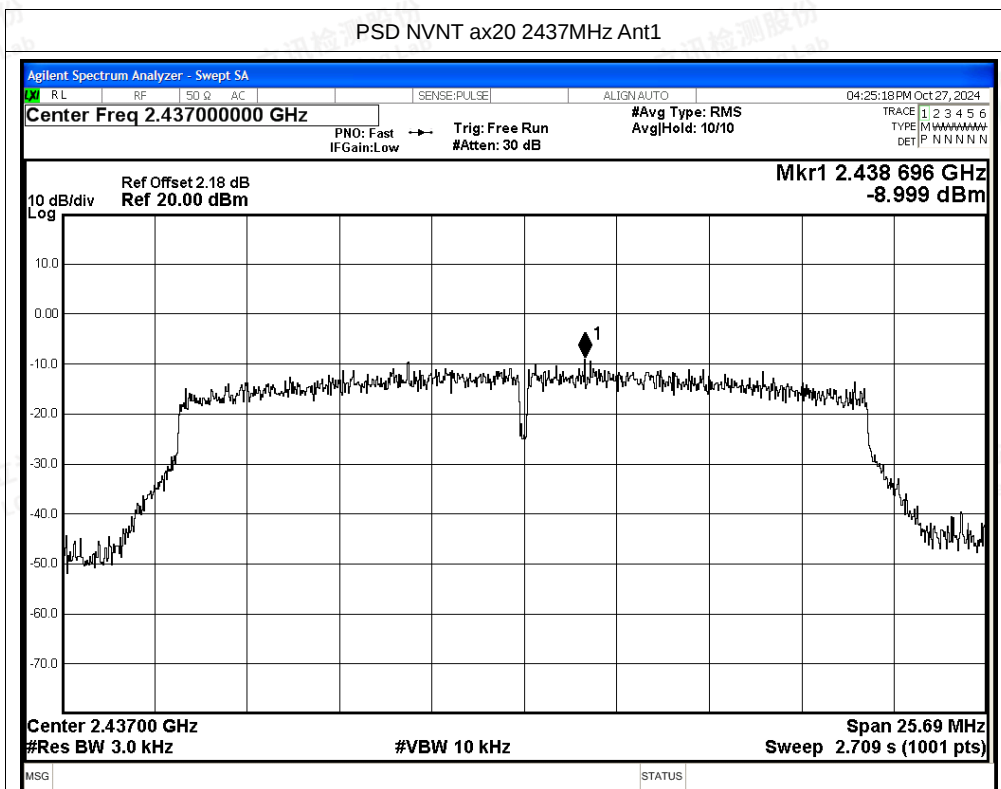
PSD NVNT g 2412MHz Ant1













802.11ax OFDMA-(26 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	ax20	2412	Ant1	-14.60	8	Pass
NVNT	ax20	2437	Ant1	-10.09	8	Pass
NVNT	ax20	2462	Ant1	-14.56	8	Pass

802.11ax OFDMA-(52 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	ax20	2412	Ant1	-14.63	8	Pass
NVNT	ax20	2437	Ant1	-10.13	8	Pass
NVNT	ax20	2462	Ant1	-14.45	8	Pass

802.11ax OFDMA-(106 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	ax20	2412	Ant1	-14.60	8	Pass
NVNT	ax20	2437	Ant1	-10.15	8	Pass
NVNT	ax20	2462	Ant1	-14.56	8	Pass

802.11ax OFDMA-(242 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	ax20	2412	Ant1	-14.59	8	Pass
NVNT	ax20	2437	Ant1	-10.15	8	Pass
NVNT	ax20	2462	Ant1	-14.53	8	Pass





B.4 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-38.4	-20	Pass
NVNT	b	2462	Ant1	-59.07	-20	Pass
NVNT	g	2412	Ant1	-39.14	-20	Pass
NVNT	g	2462	Ant1	-50.38	-20	Pass
NVNT	n20	2412	Ant1	-30.2	-20	Pass
NVNT	n20	2462	Ant1	-49.78	-20	Pass
NVNT	ax20	2412	Ant1	-27.01	-20	Pass
NVNT	ax20	2462	Ant1	-46.06	-20	Pass

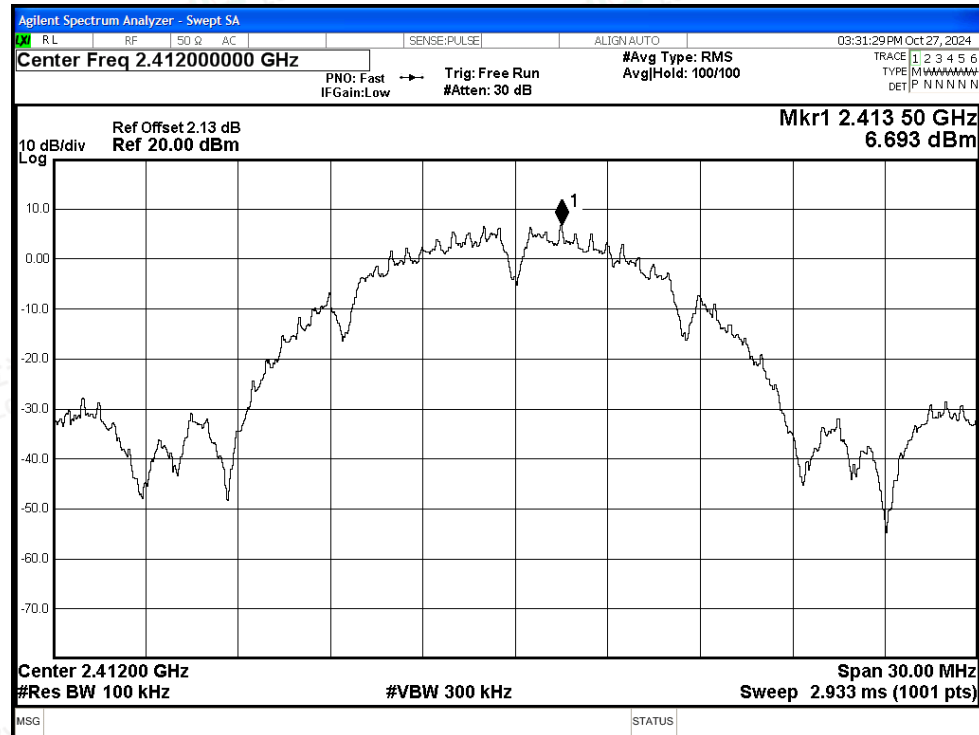


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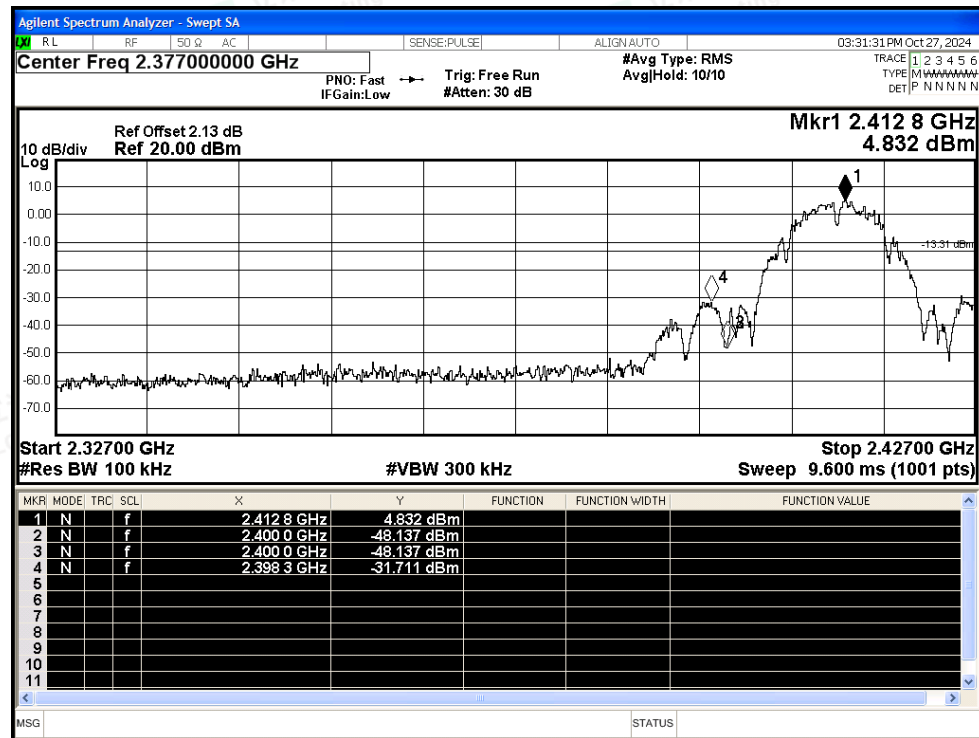


Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



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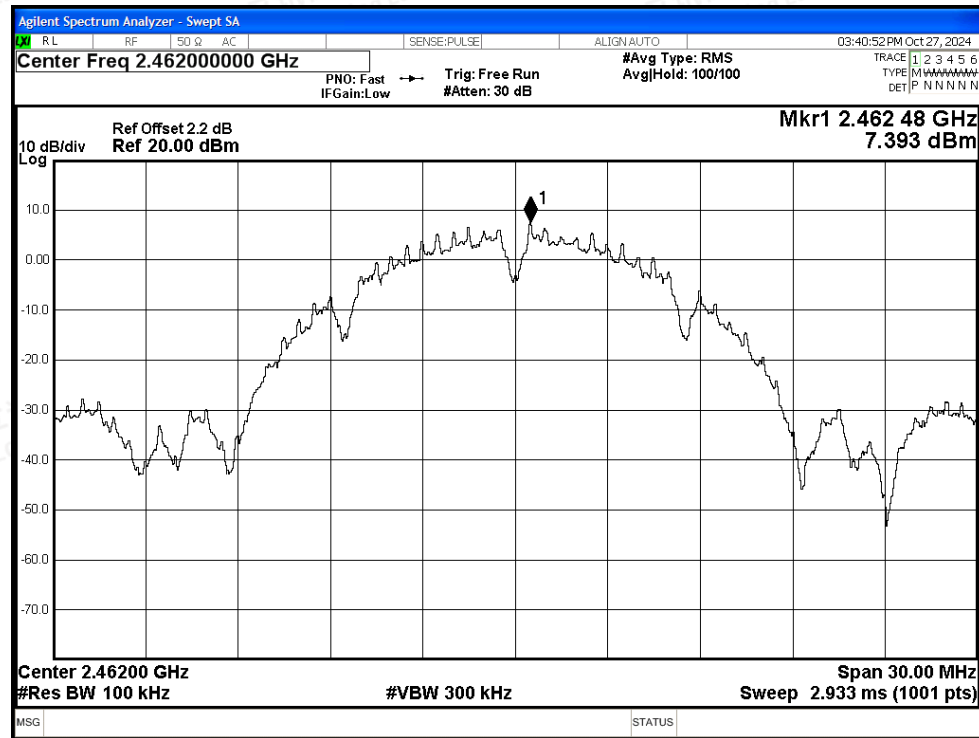
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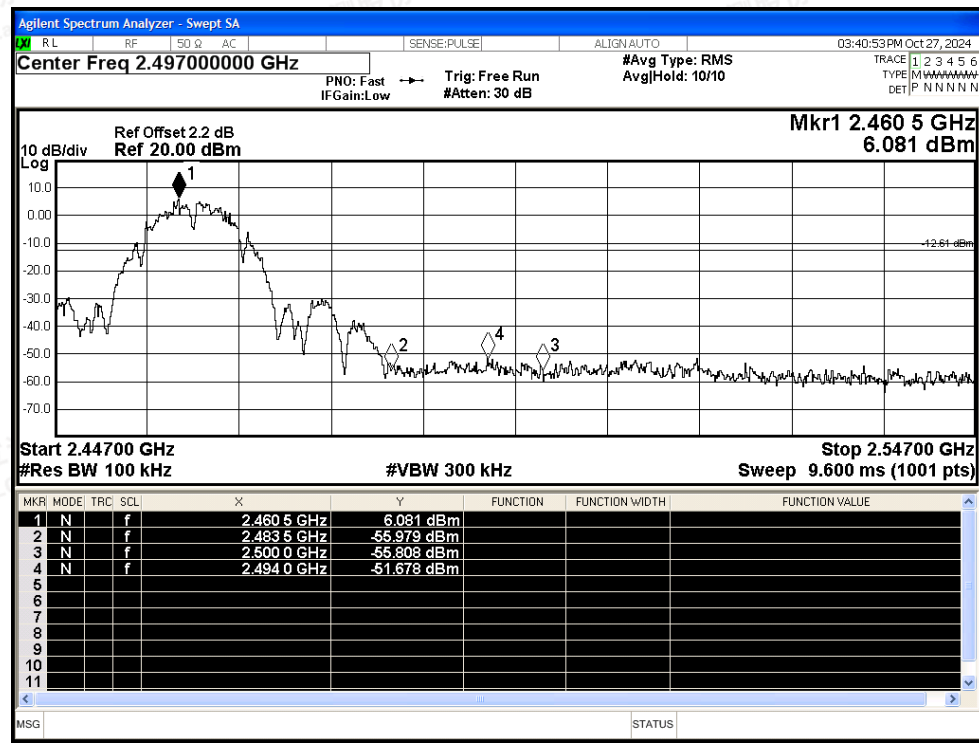
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Band Edge NVNT b 2462MHz Ant1 Ref



Band Edge NVNT b 2462MHz Ant1 Emission



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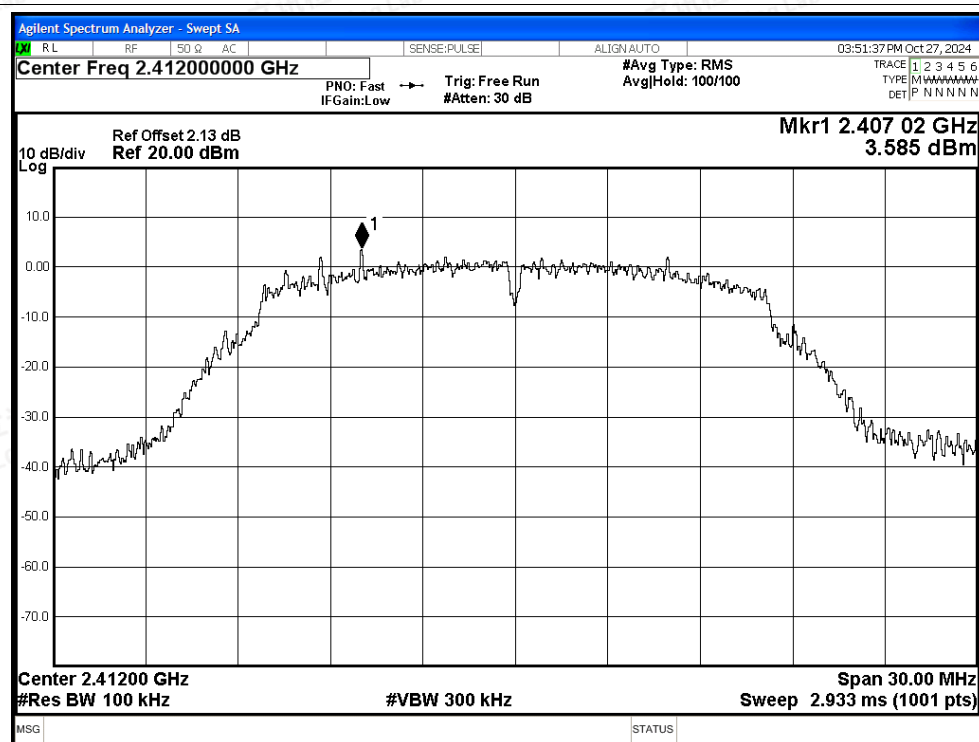
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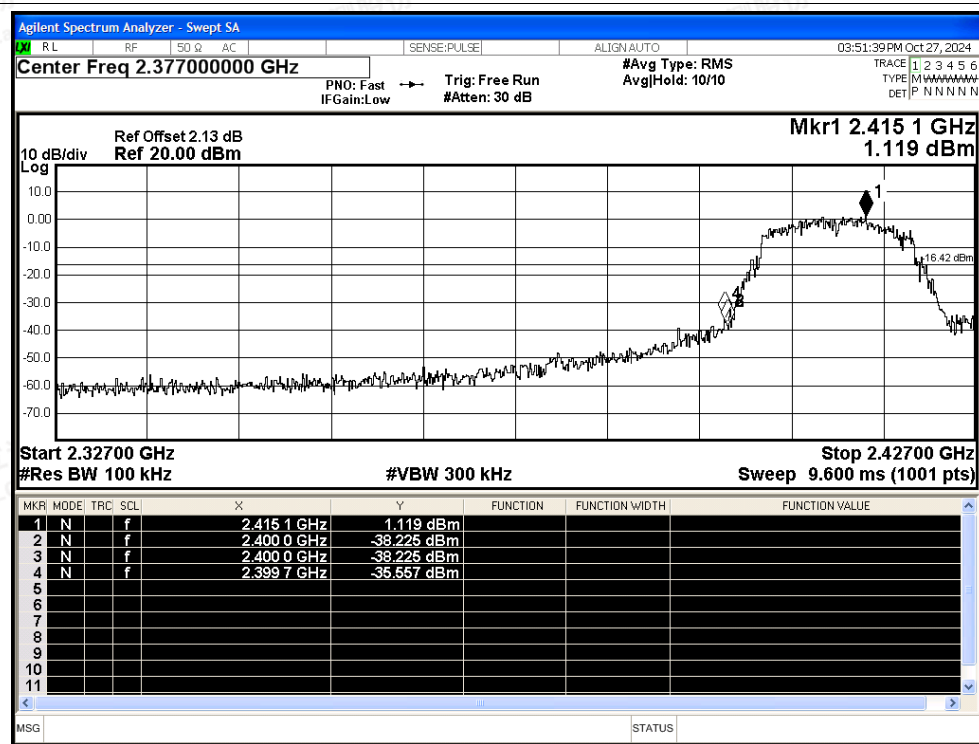
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Band Edge NVNT g 2412MHz Ant1 Ref

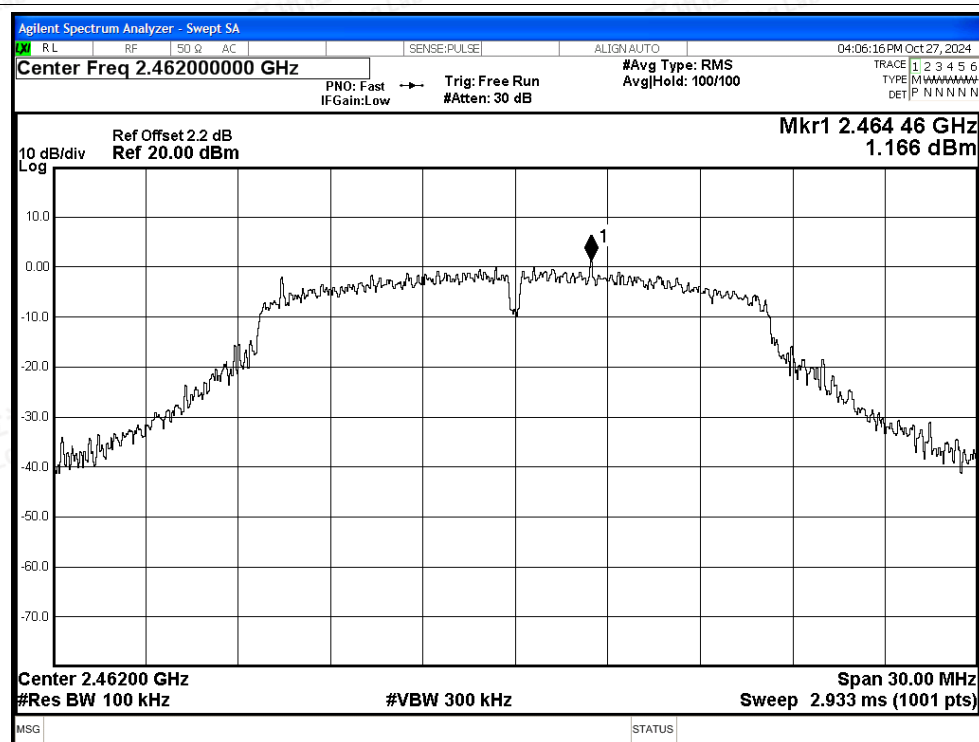


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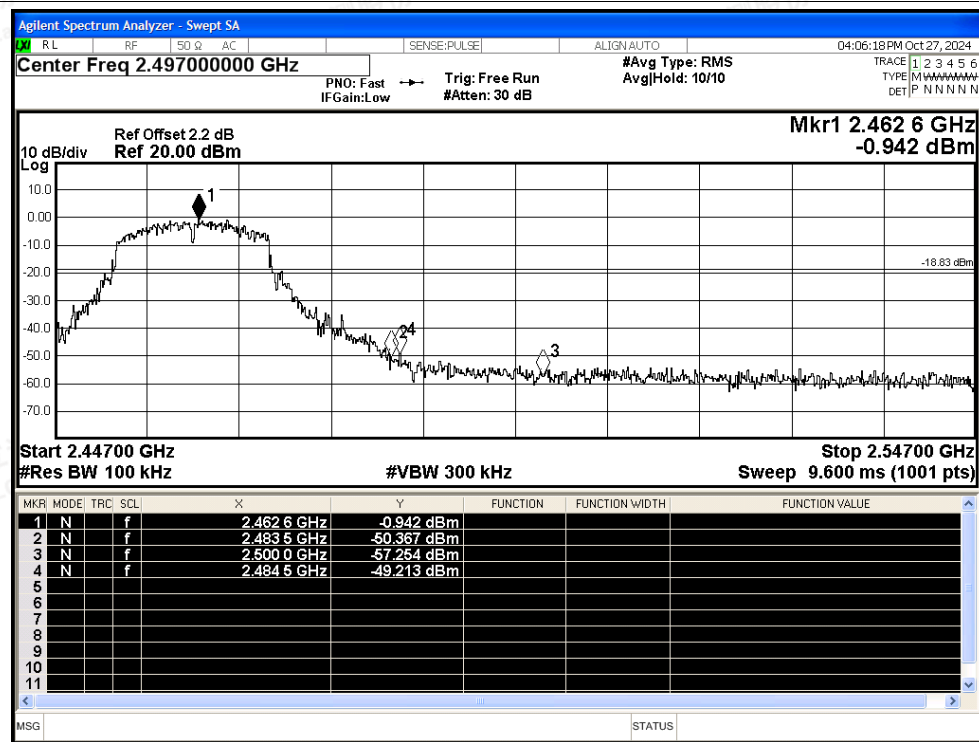




Band Edge NVNT g 2462MHz Ant1 Ref



Band Edge NVNT g 2462MHz Ant1 Emission



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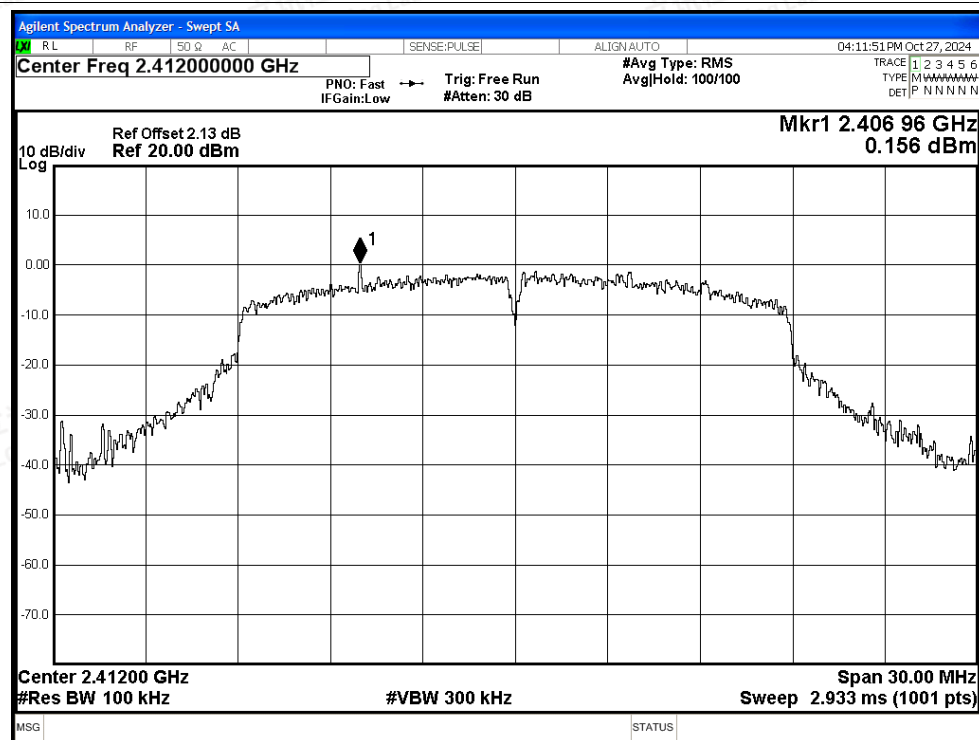
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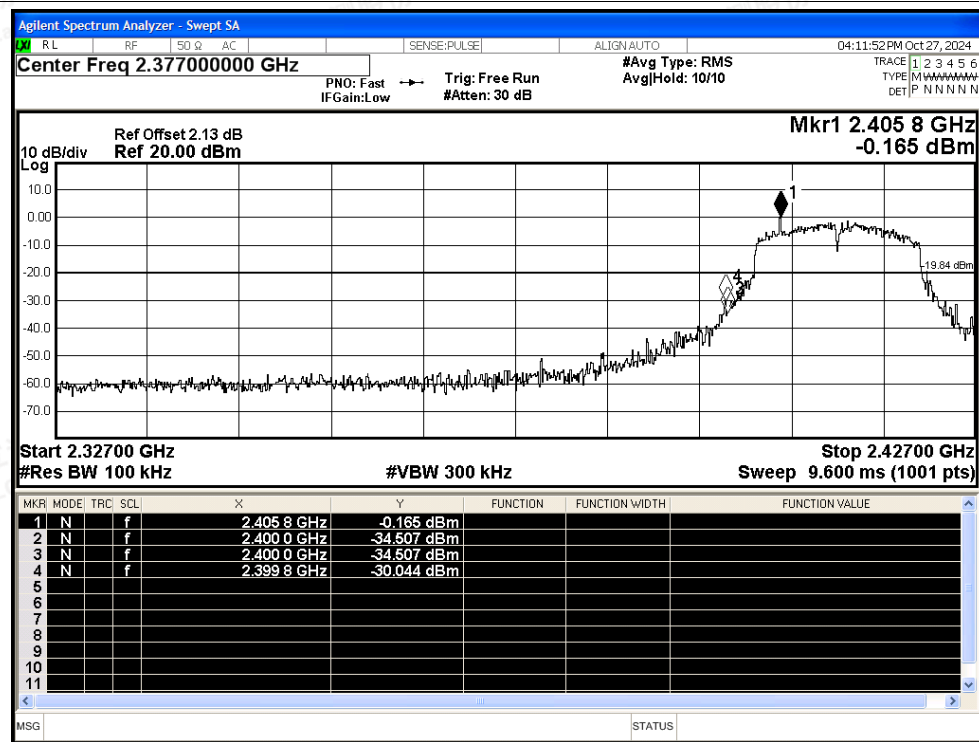
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Band Edge NVNT n20 2412MHz Ant1 Ref



Band Edge NVNT n20 2412MHz Ant1 Emission



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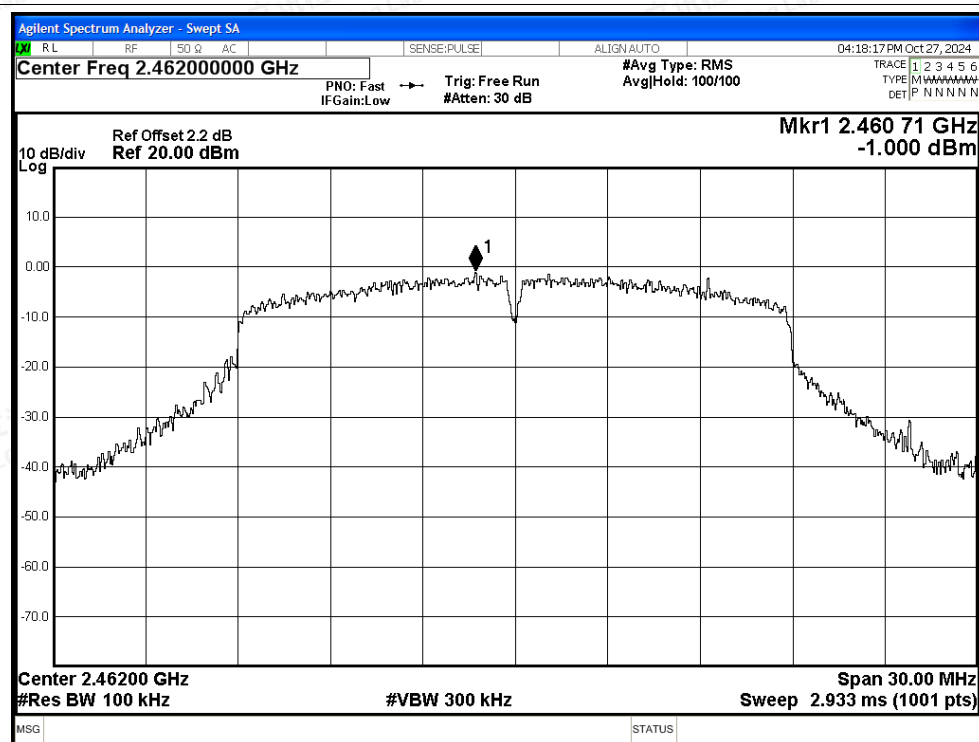
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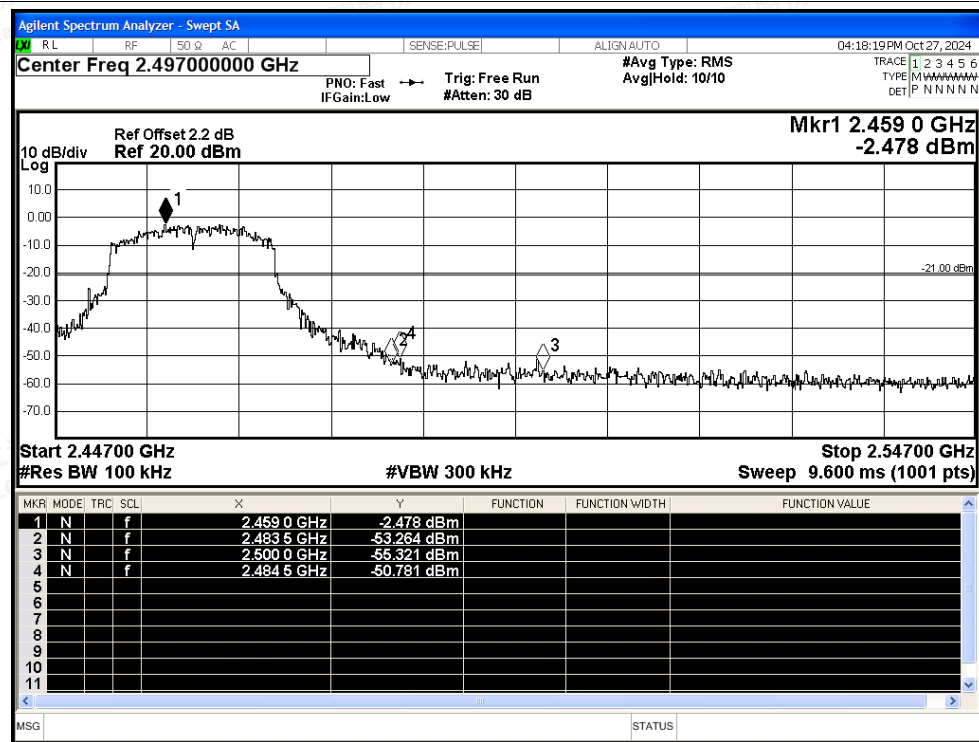
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Band Edge NVNT n20 2462MHz Ant1 Ref



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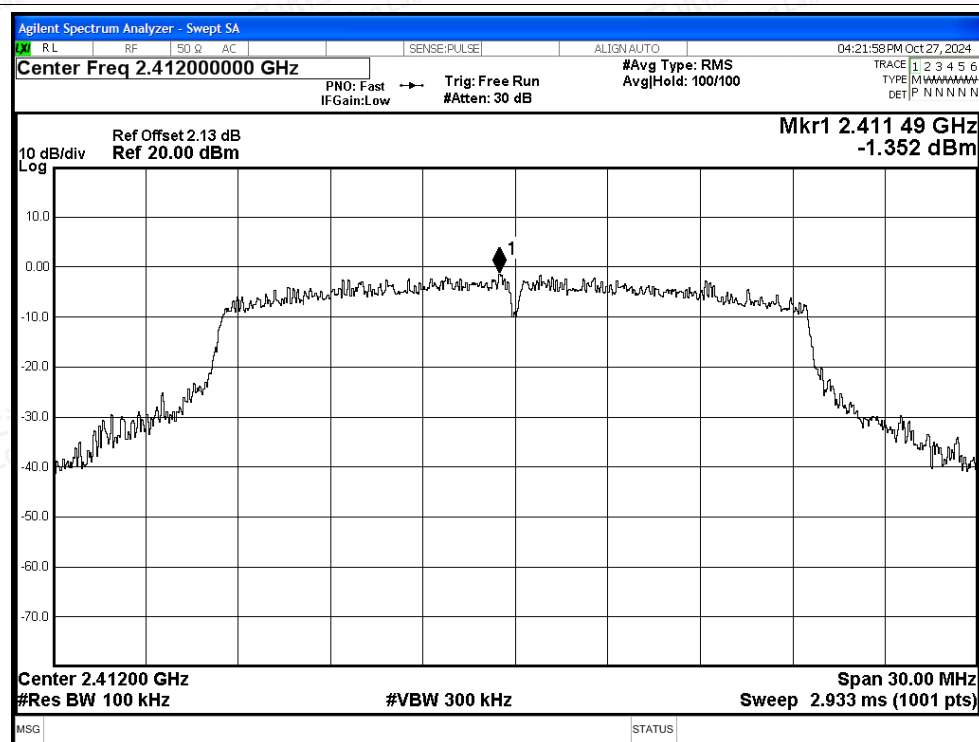
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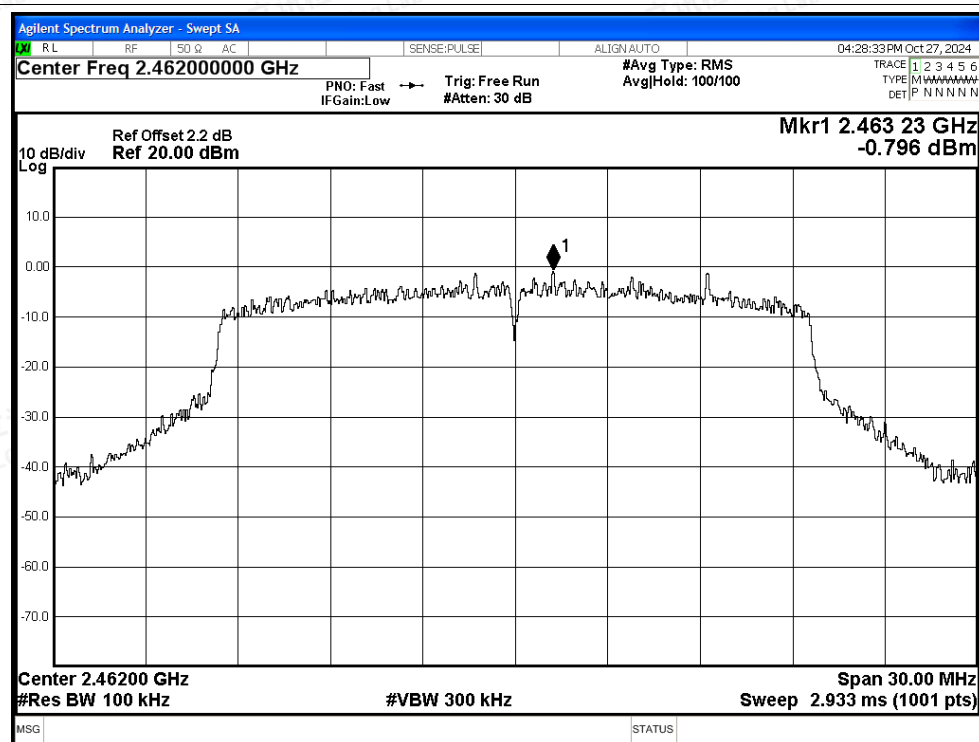
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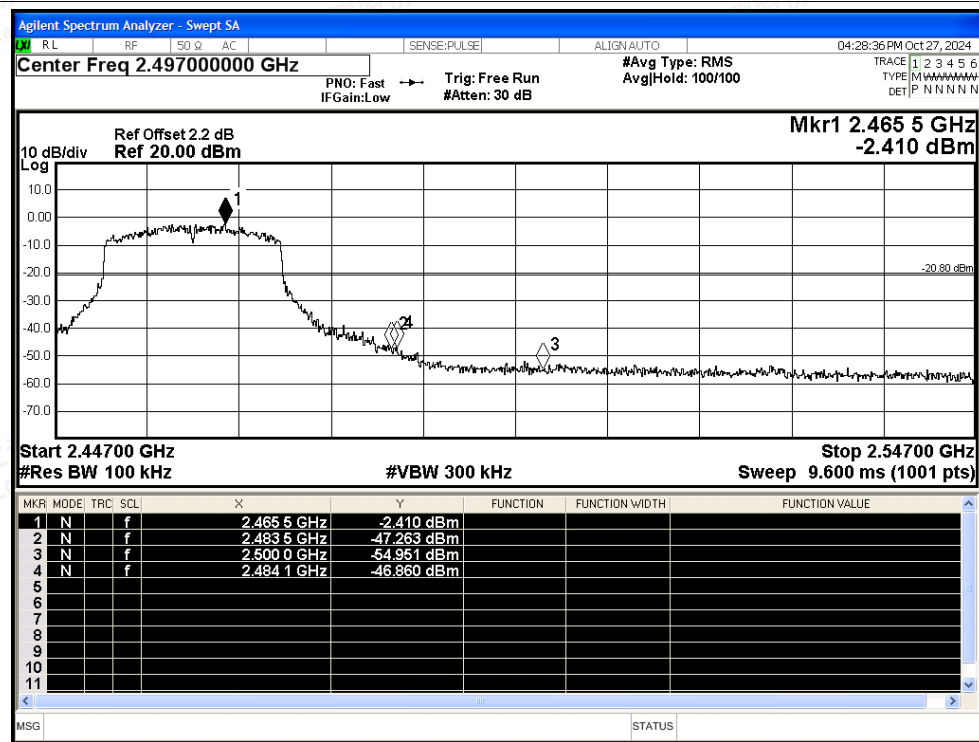
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Band Edge NVNT ax20 2462MHz Ant1 Emission



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802.11ax OFDMA-(26 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-28.12	-20	Pass
NVNT	ax20	2462	Ant1	-47.14	-20	Pass

802.11ax OFDMA-(52 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-28.10	-20	Pass
NVNT	ax20	2462	Ant1	-47.21	-20	Pass

802.11ax OFDMA-(106 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-28.09	-20	Pass
NVNT	ax20	2462	Ant1	-47.19	-20	Pass

802.11ax OFDMA-(242 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-28.08	-20	Pass
NVNT	ax20	2462	Ant1	-47.16	-20	Pass





B.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-43.57	-20	Pass
NVNT	b	2437	Ant1	-44.78	-20	Pass
NVNT	b	2462	Ant1	-46.37	-20	Pass
NVNT	g	2412	Ant1	-39.57	-20	Pass
NVNT	g	2437	Ant1	-41.45	-20	Pass
NVNT	g	2462	Ant1	-44.81	-20	Pass
NVNT	n20	2412	Ant1	-45.64	-20	Pass
NVNT	n20	2437	Ant1	-39.06	-20	Pass
NVNT	n20	2462	Ant1	-44.47	-20	Pass
NVNT	ax20	2412	Ant1	-44.8	-20	Pass
NVNT	ax20	2437	Ant1	-41.49	-20	Pass
NVNT	ax20	2462	Ant1	-43.18	-20	Pass

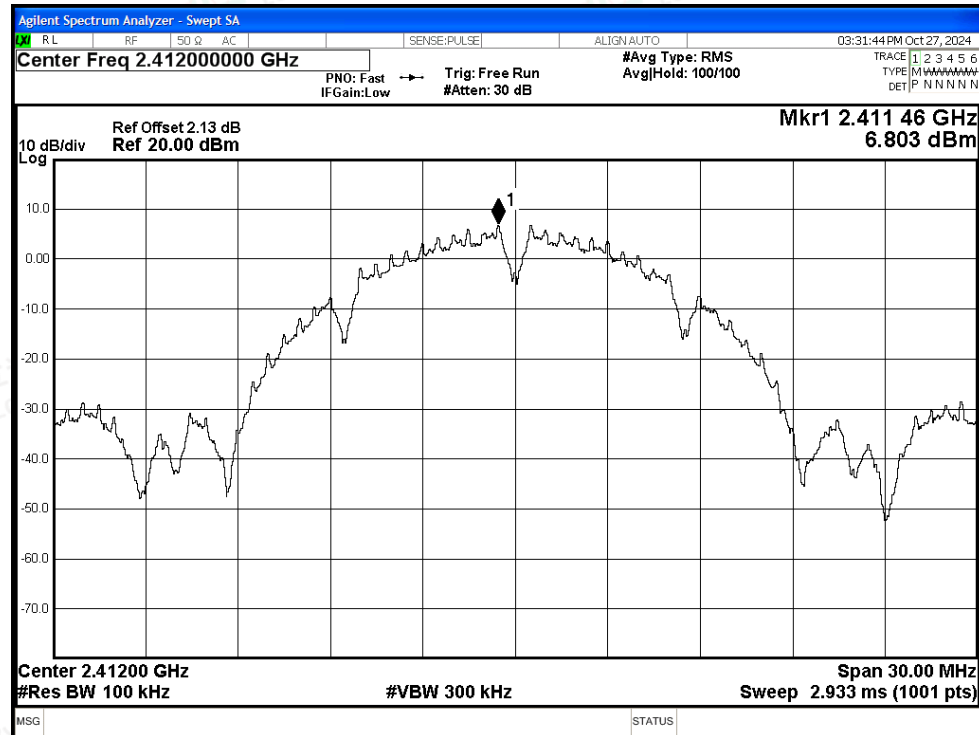


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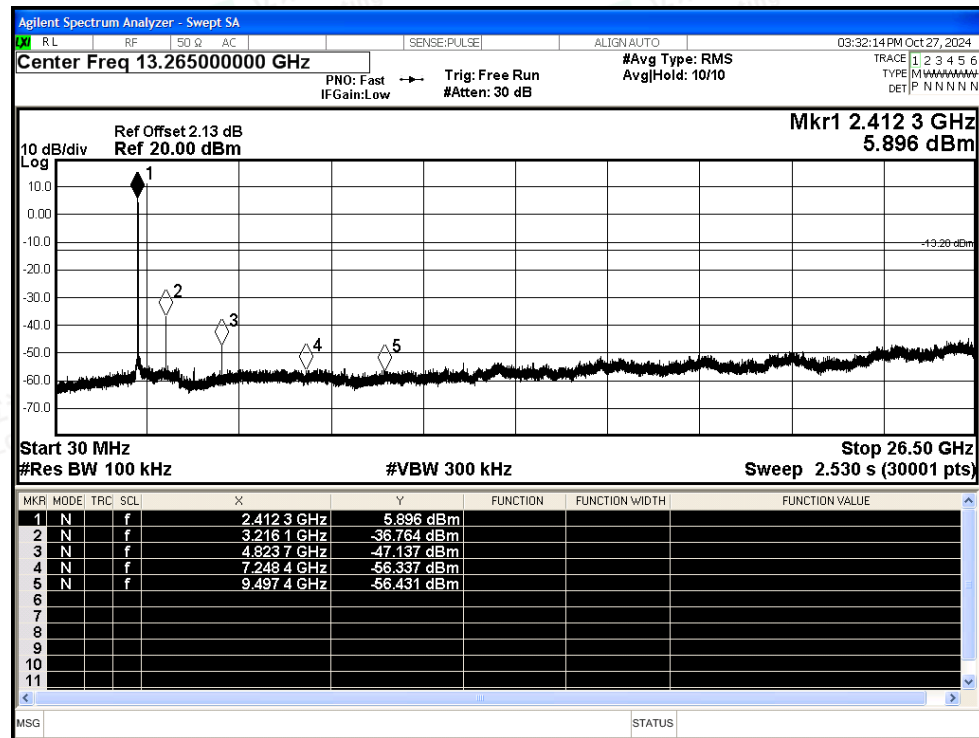


Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission



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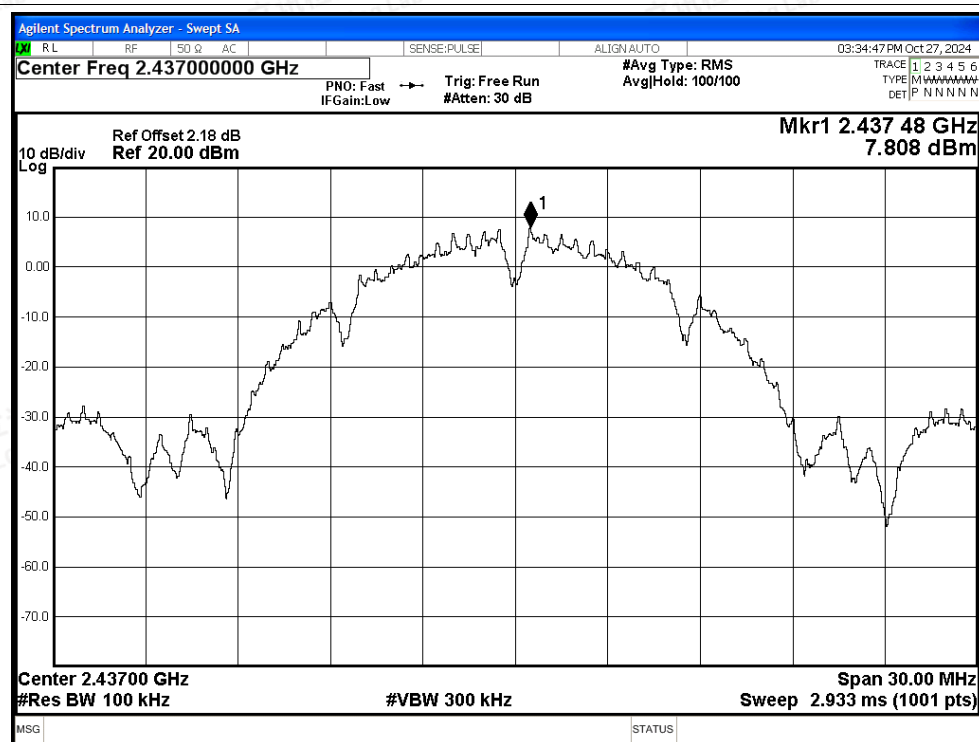
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

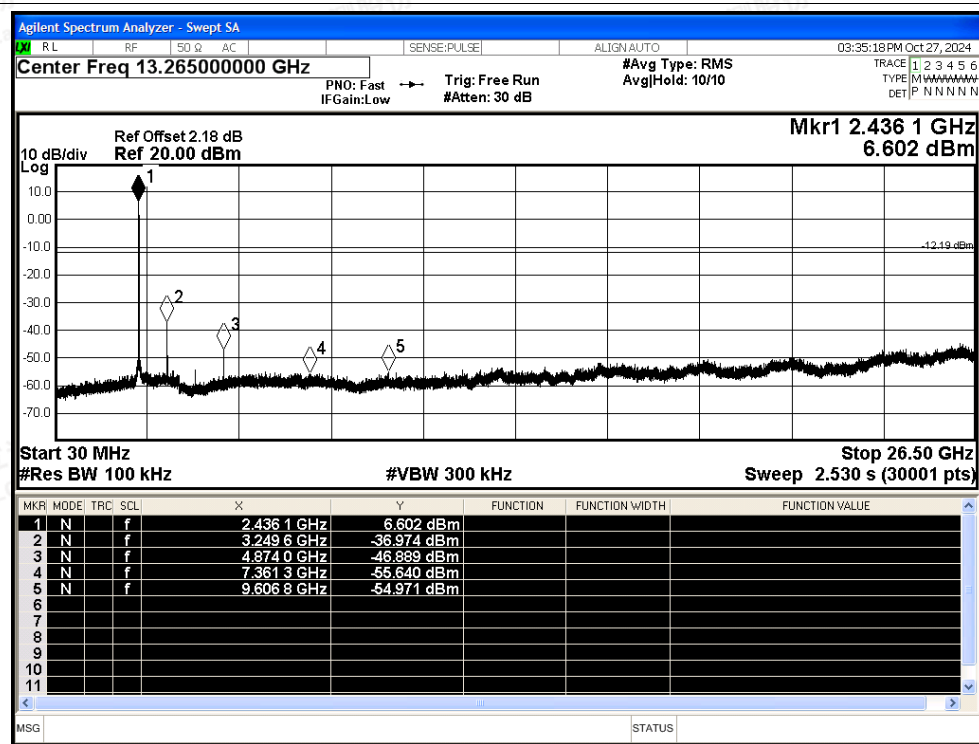
Scan code to check authenticity



Tx. Spurious NVNT b 2437MHz Ant1 Ref



Tx. Spurious NVNT b 2437MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

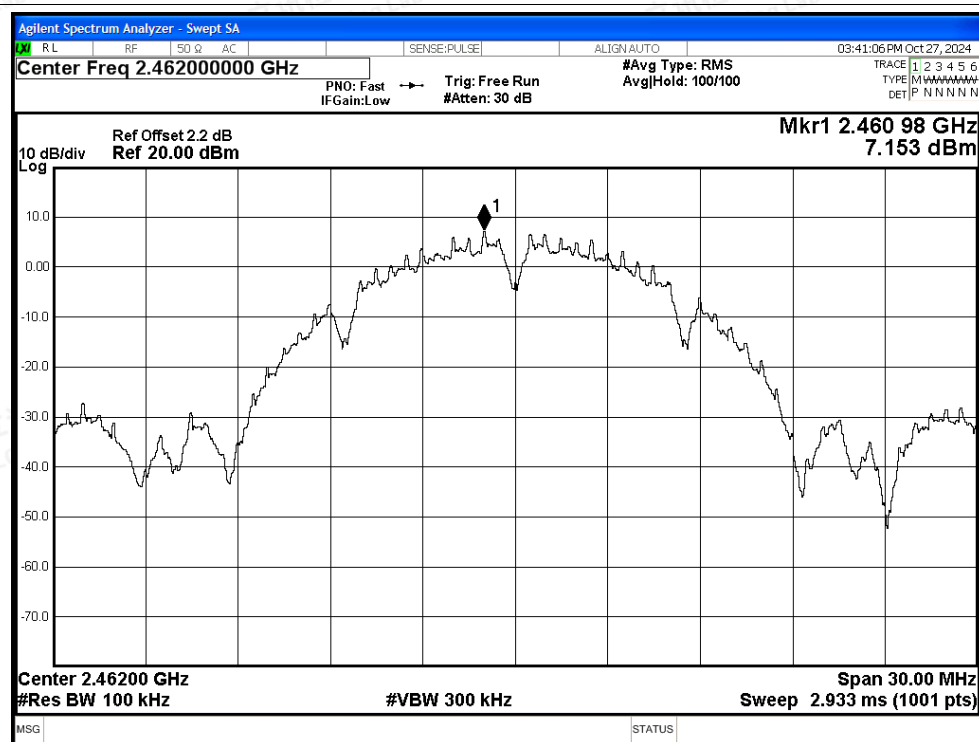
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

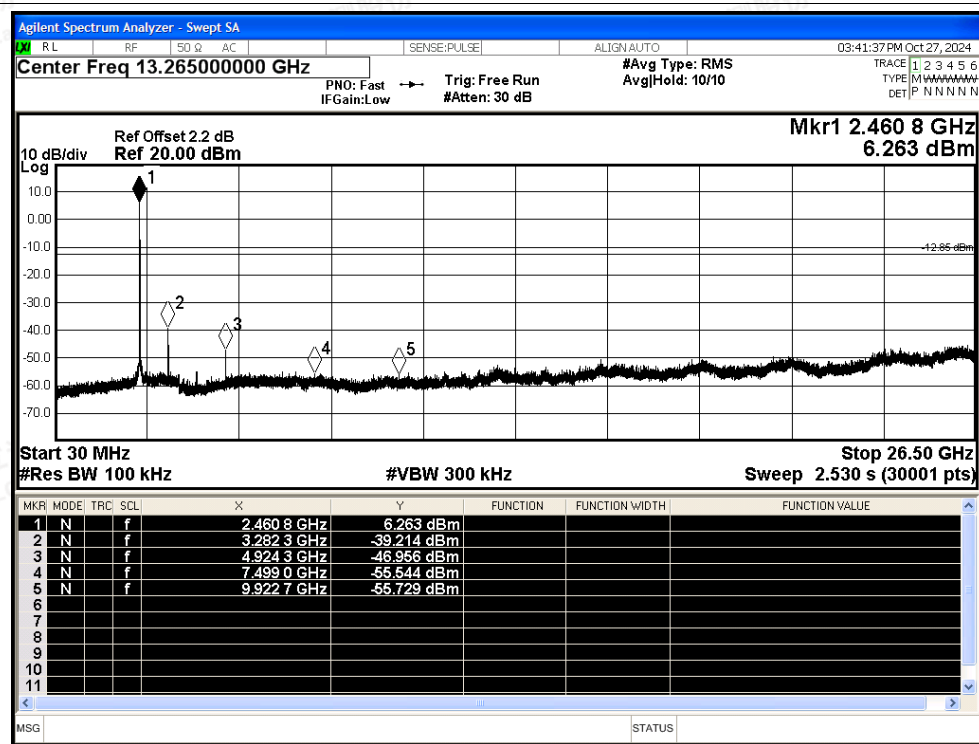
Scan code to check authenticity



Tx. Spurious NVNT b 2462MHz Ant1 Ref



Tx. Spurious NVNT b 2462MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

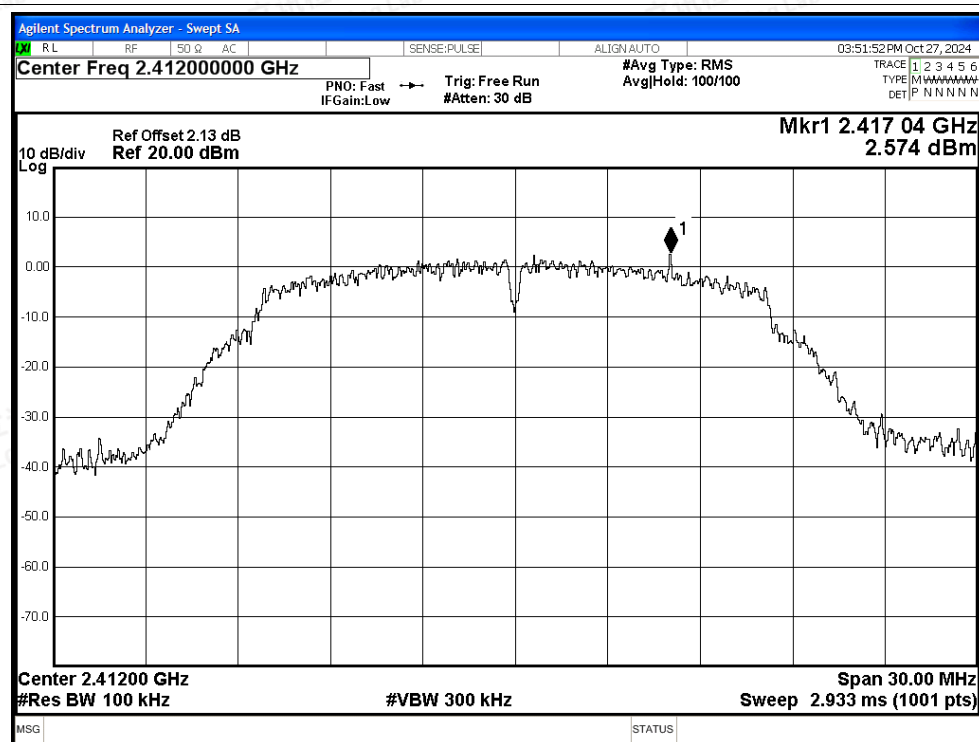
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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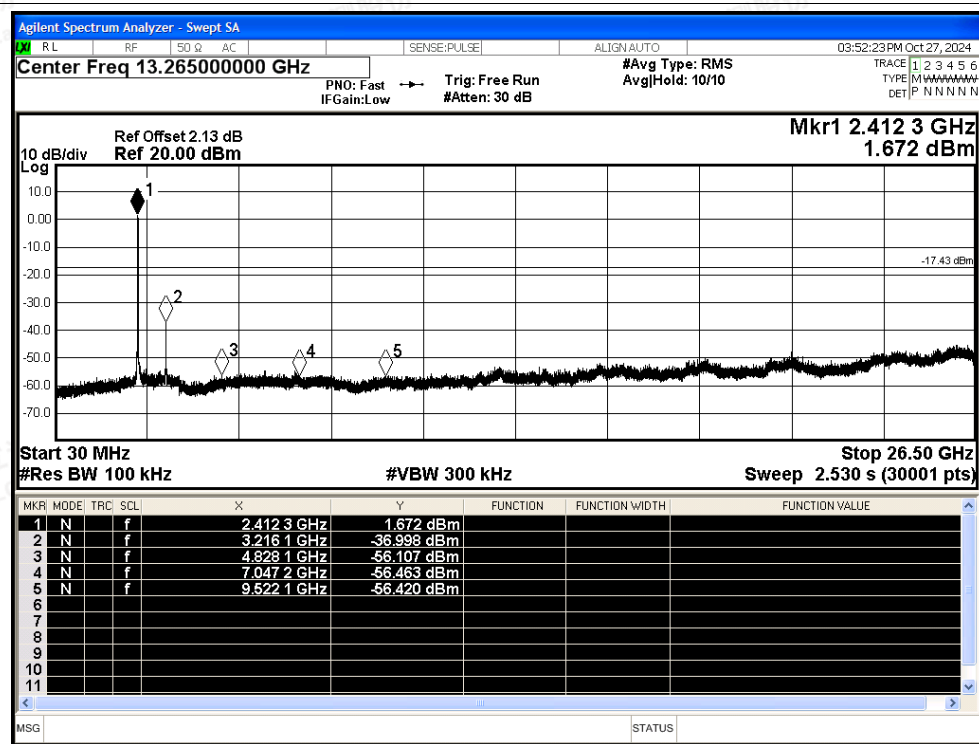
Scan code to check authenticity



Tx. Spurious NVNT g 2412MHz Ant1 Ref



Tx. Spurious NVNT g 2412MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

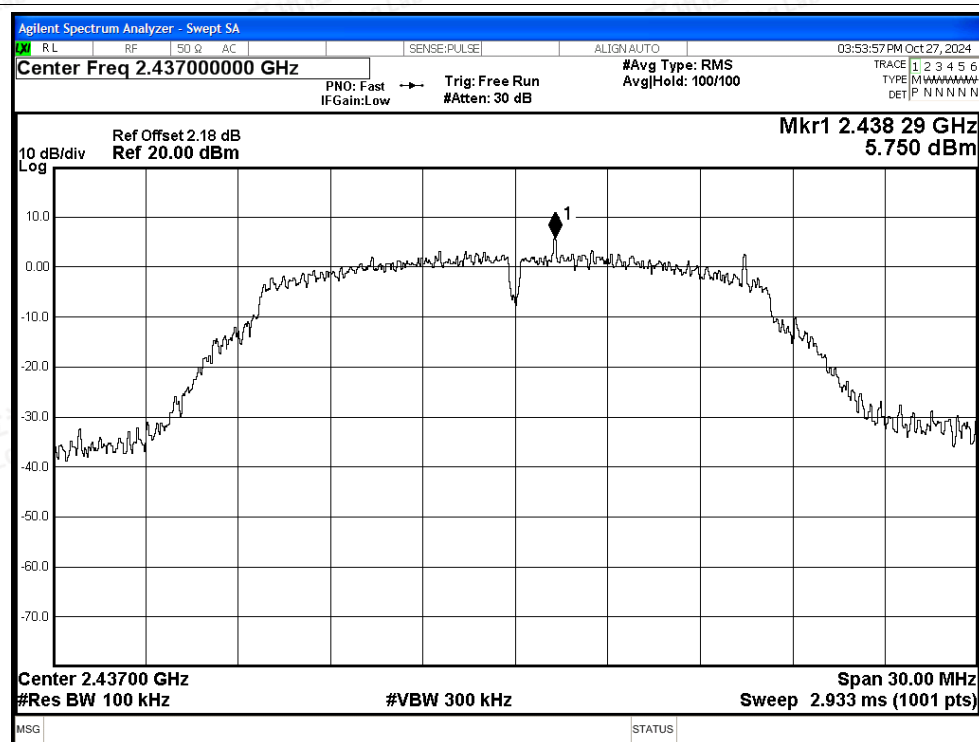
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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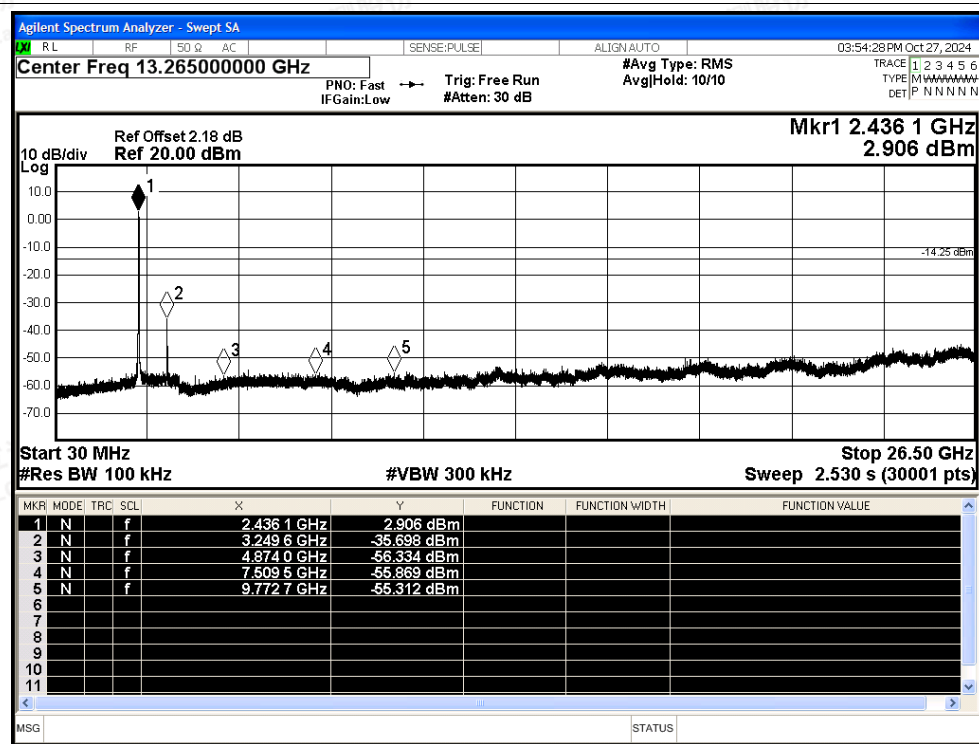
Scan code to check authenticity



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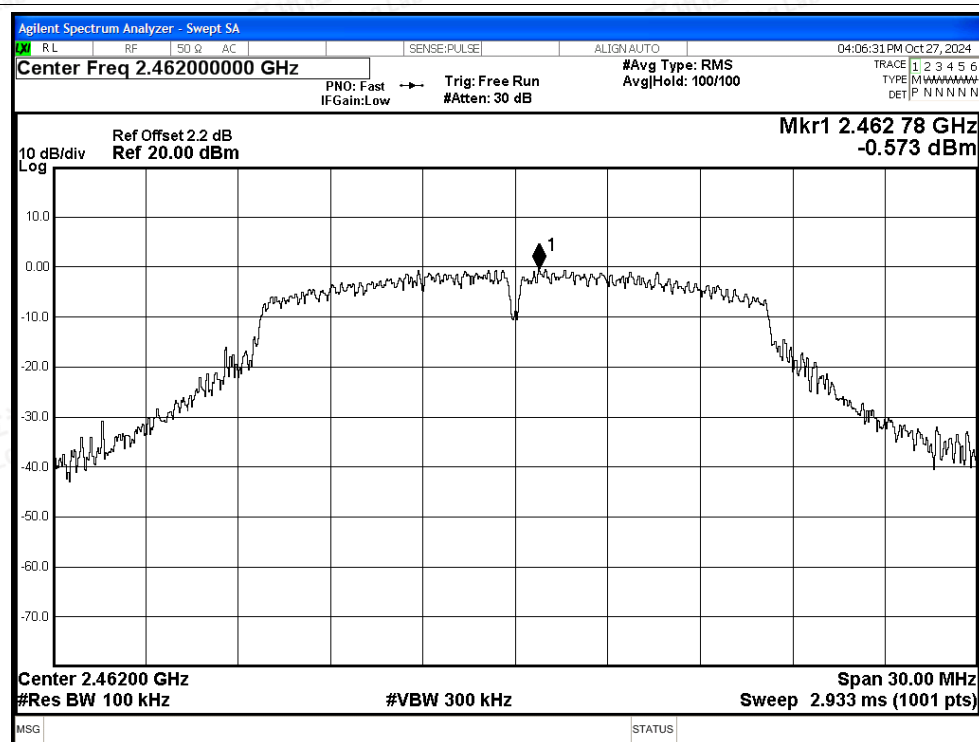


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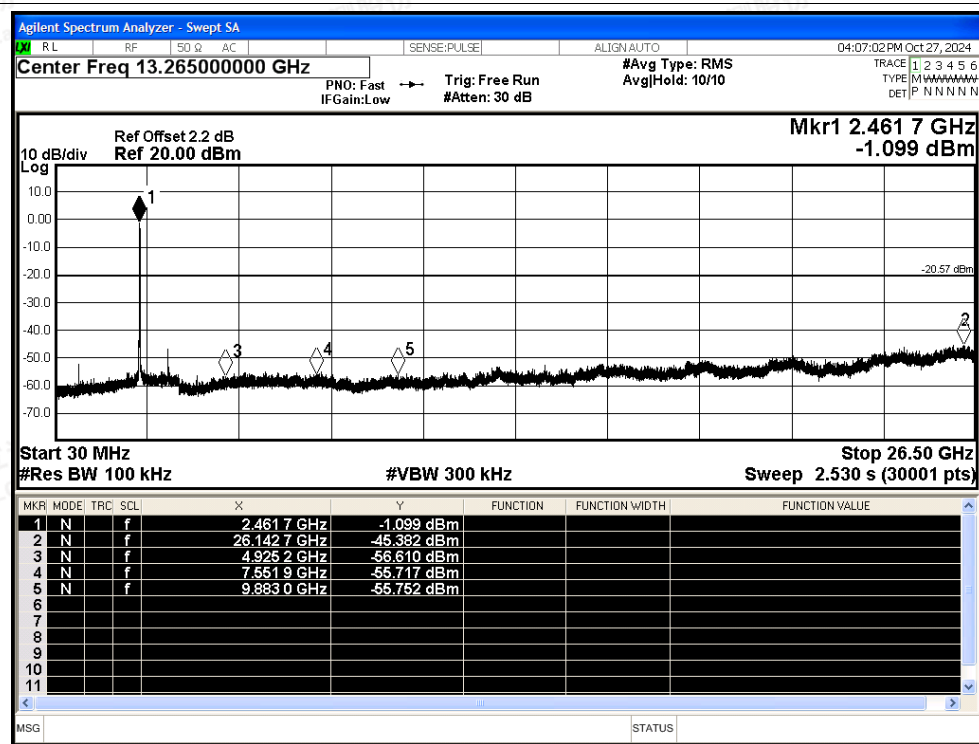




Tx. Spurious NVNT g 2462MHz Ant1 Ref



Tx. Spurious NVNT g 2462MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

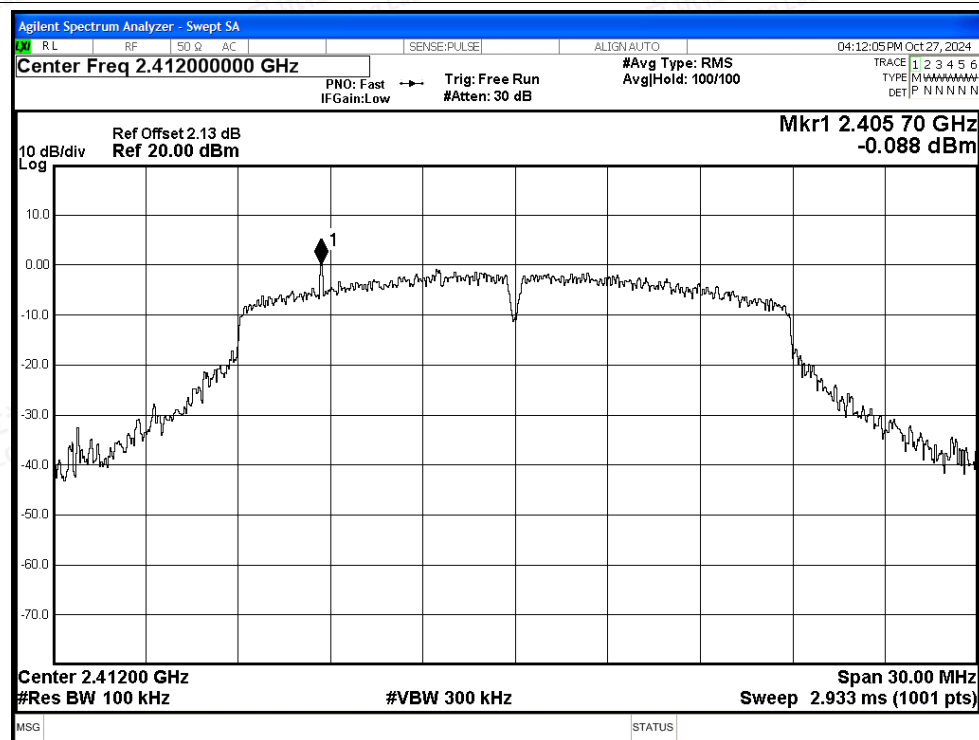
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

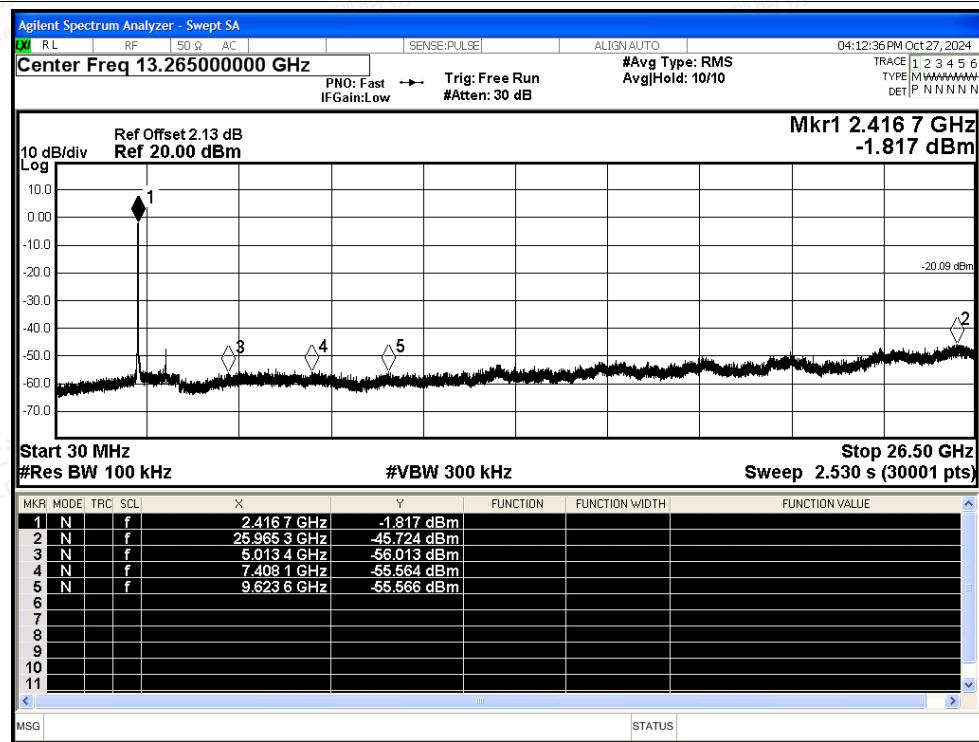
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Tx. Spurious NVNT n20 2412MHz Ant1 Ref



Tx. Spurious NVNT n20 2412MHz Ant1 Emission



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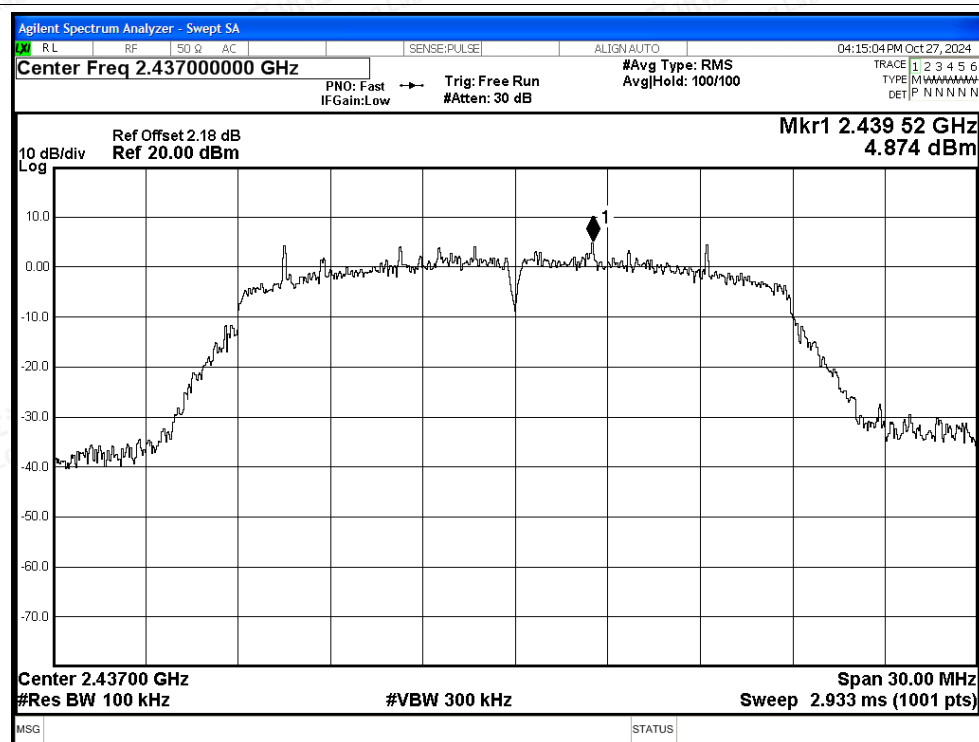
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

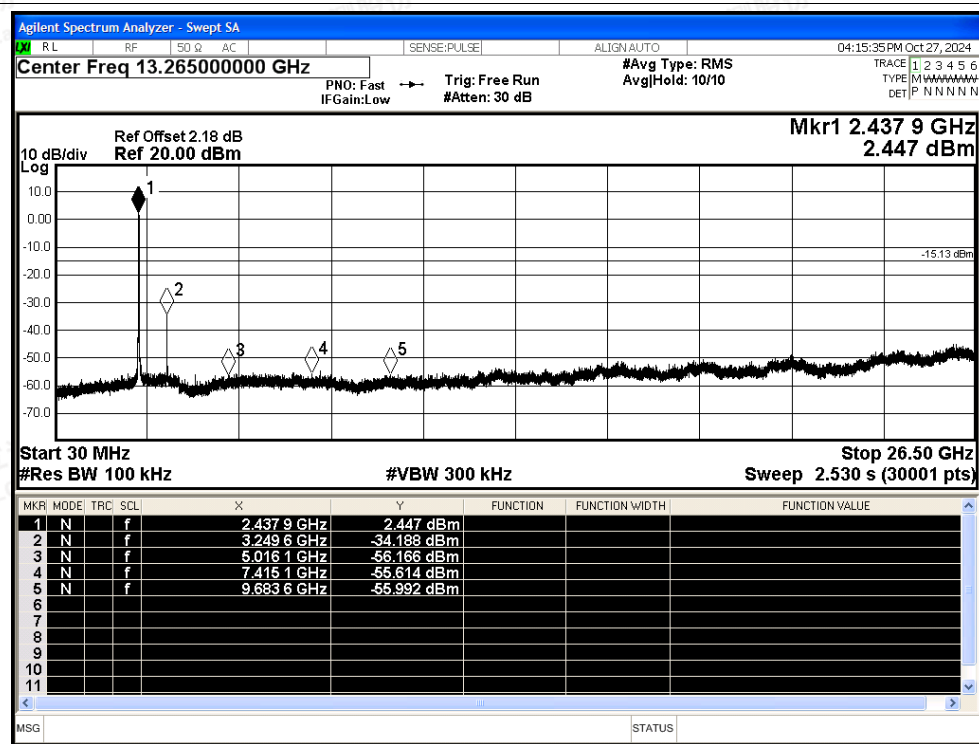
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Tx. Spurious NVNT n20 2437MHz Ant1 Ref



Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

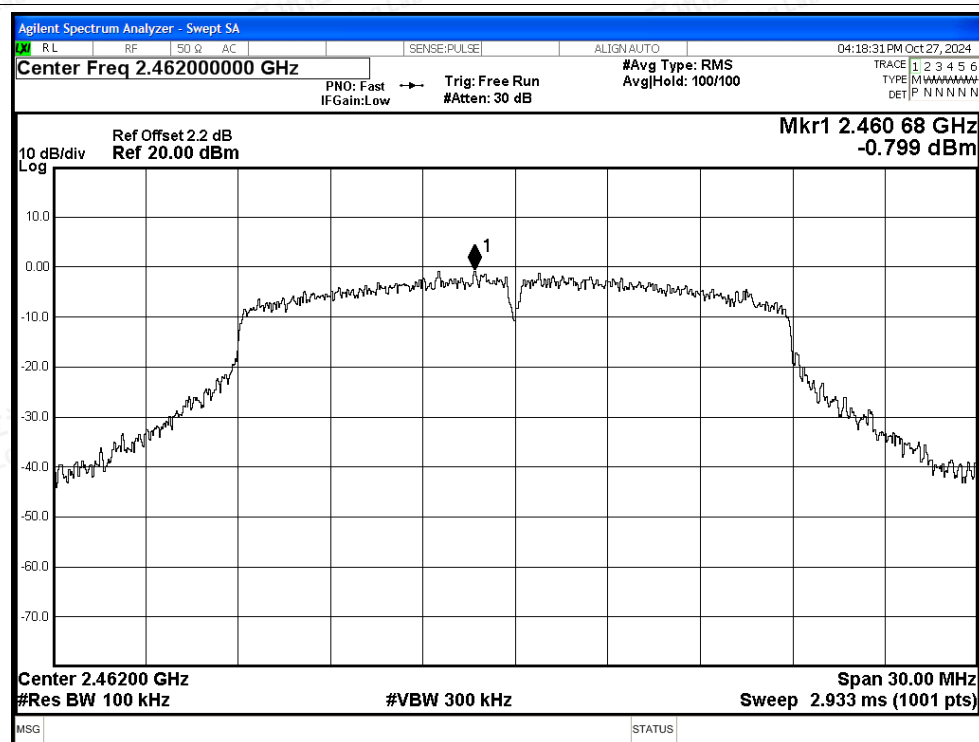
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

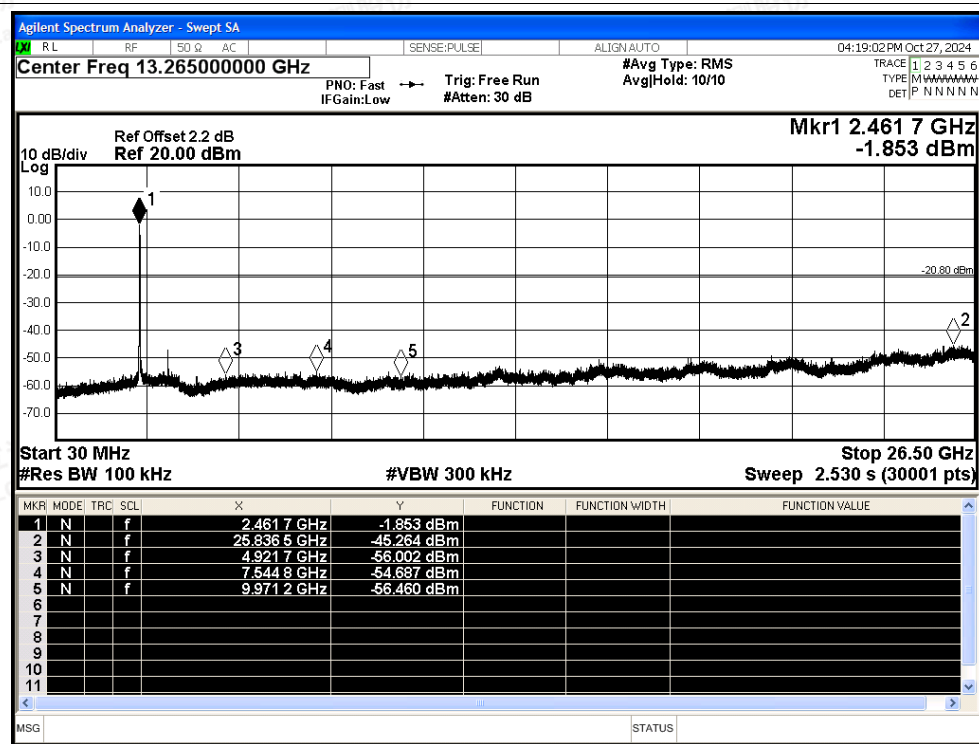
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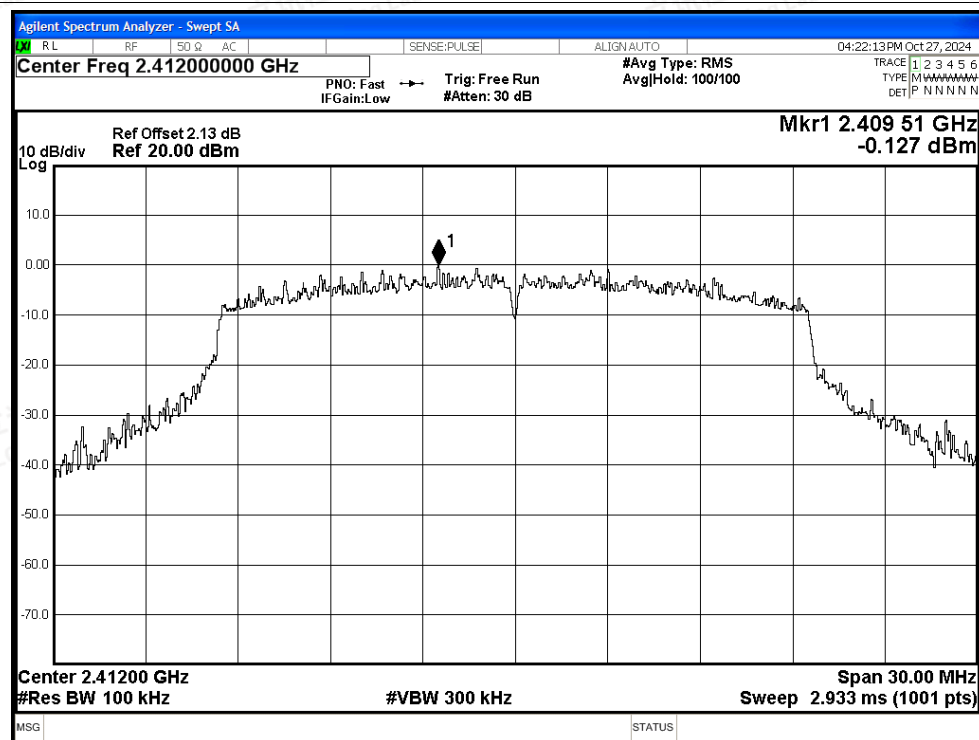


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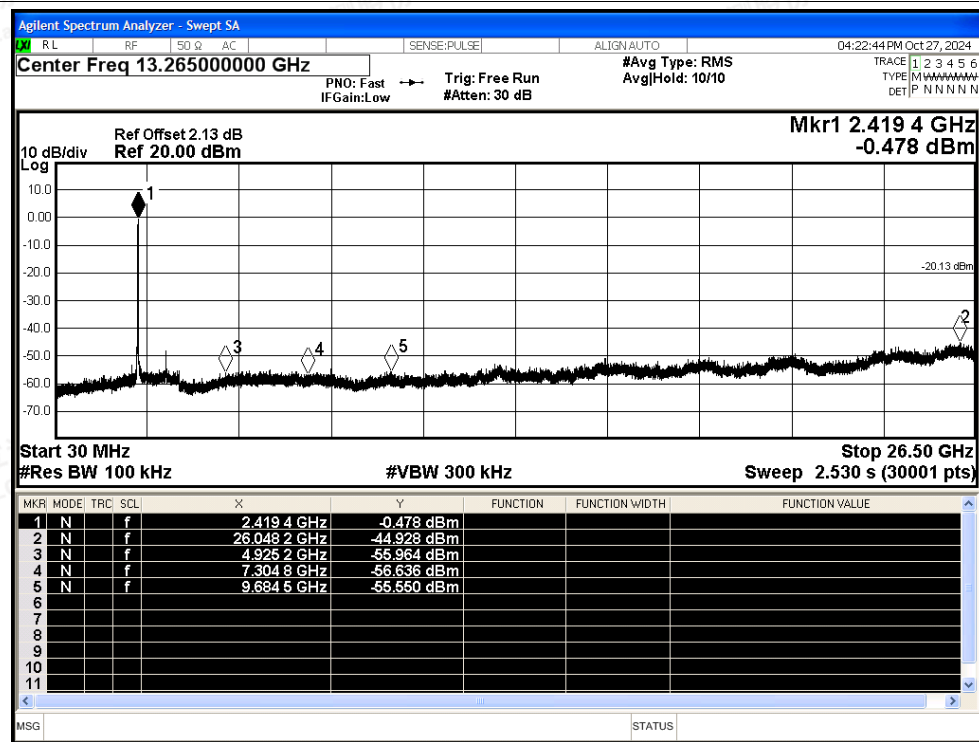




Tx. Spurious NVNT ax20 2412MHz Ant1 Ref



Tx. Spurious NVNT ax20 2412MHz Ant1 Emission



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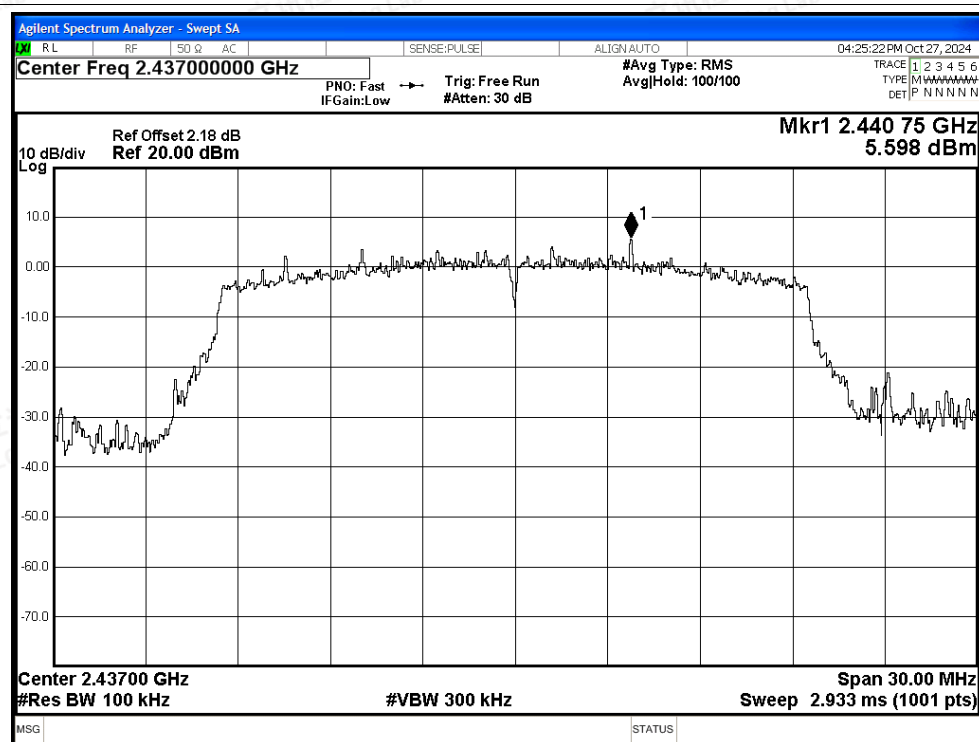
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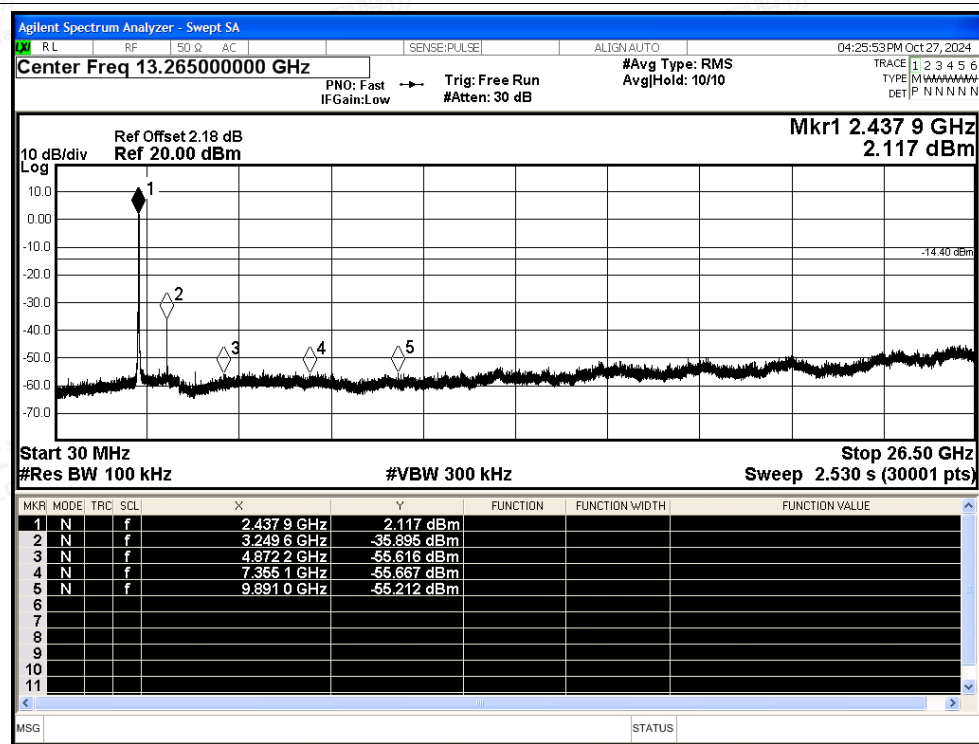
Scan code to check authenticity



Tx. Spurious NVNT ax20 2437MHz Ant1 Ref



Tx. Spurious NVNT ax20 2437MHz Ant1 Emission



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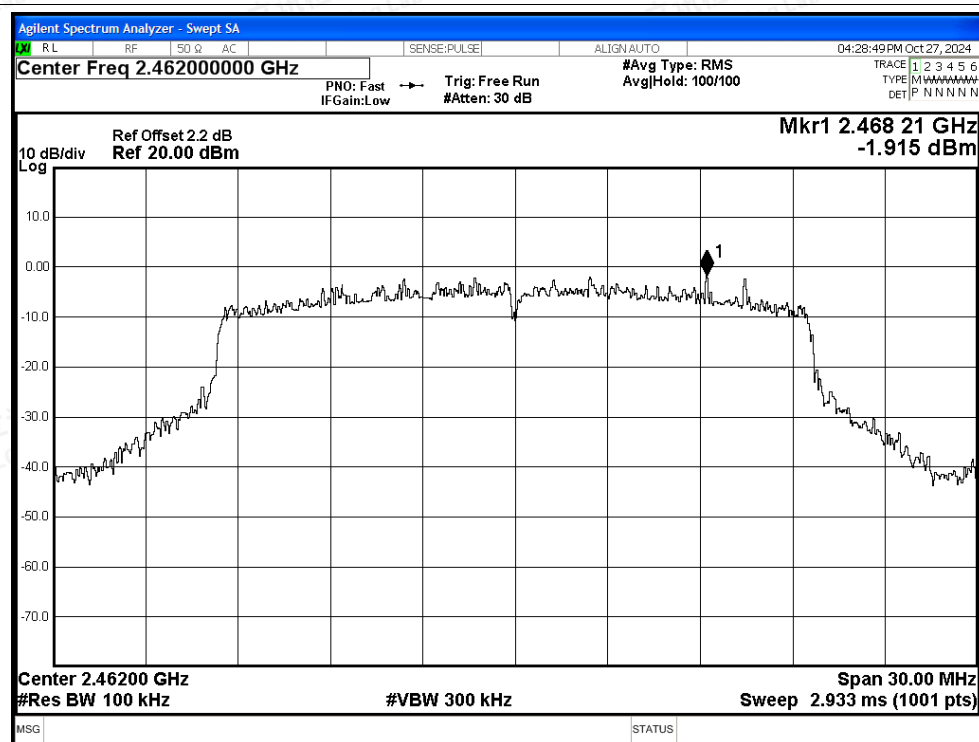
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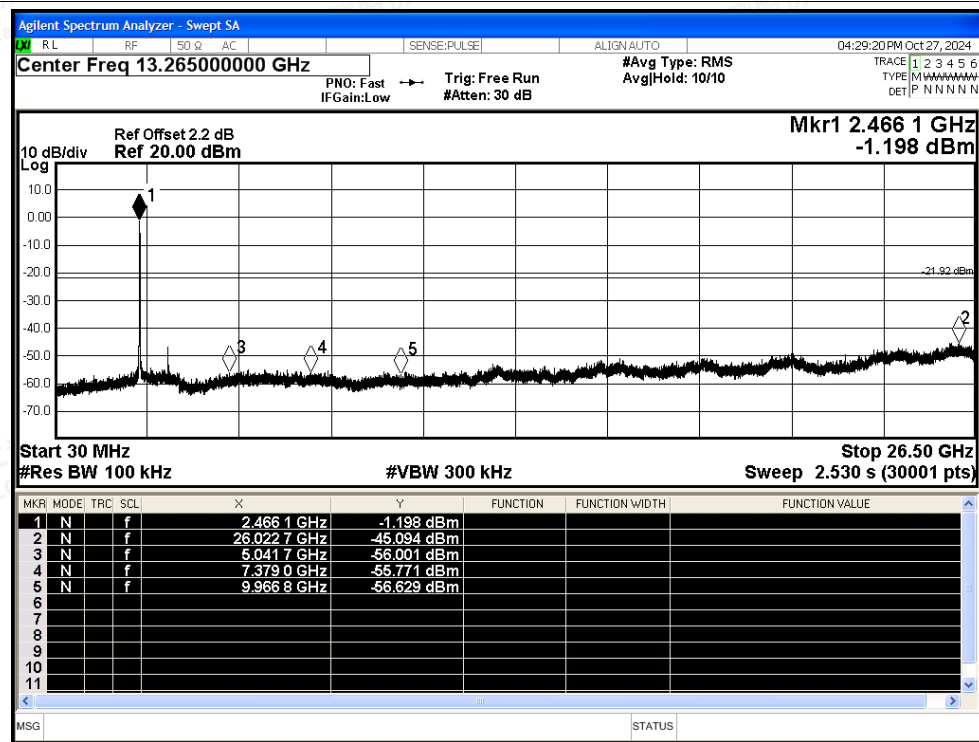
Scan code to check authenticity



Tx. Spurious NVNT ax20 2462MHz Ant1 Ref



Tx. Spurious NVNT ax20 2462MHz Ant1 Emission



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802.11ax OFDMA-(26 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-45.95	-20	Pass
NVNT	ax20	2437	Ant1	-42.50	-20	Pass
NVNT	ax20	2462	Ant1	-44.28	-20	Pass

802.11ax OFDMA-(52 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-45.86	-20	Pass
NVNT	ax20	2437	Ant1	-42.58	-20	Pass
NVNT	ax20	2462	Ant1	-44.33	-20	Pass

802.11ax OFDMA-(106 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-45.99	-20	Pass
NVNT	ax20	2437	Ant1	-42.59	-20	Pass
NVNT	ax20	2462	Ant1	-44.25	-20	Pass

802.11ax OFDMA-(242 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-45.86	-20	Pass
NVNT	ax20	2437	Ant1	-42.58	-20	Pass
NVNT	ax20	2462	Ant1	-44.26	-20	Pass





B.6 Duty Cycle

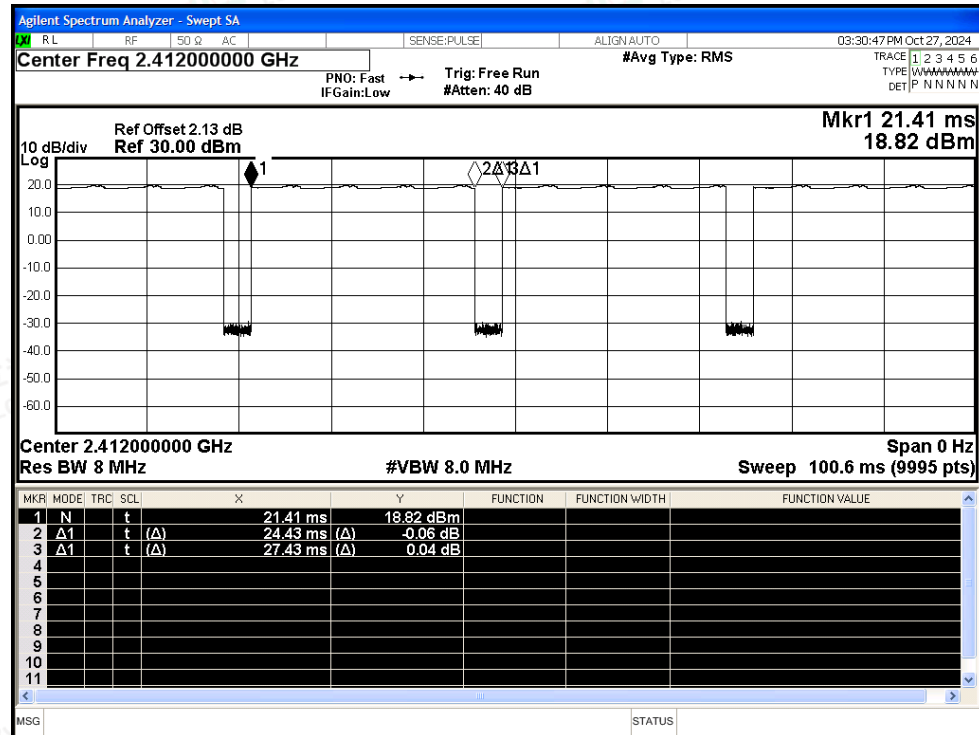
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	89.06	0.5	0.04
NVNT	b	2437	Ant1	89.06	0.5	0.04
NVNT	b	2462	Ant1	89.06	0.5	0.04
NVNT	g	2412	Ant1	57.51	2.4	0.25
NVNT	g	2437	Ant1	57.5	2.4	0.25
NVNT	g	2462	Ant1	57.5	2.4	0.25
NVNT	n20	2412	Ant1	53.11	2.75	0.29
NVNT	n20	2437	Ant1	53.11	2.75	0.29
NVNT	n20	2462	Ant1	53.11	2.75	0.29
NVNT	ax20	2412	Ant1	48.95	3.1	0.35
NVNT	ax20	2437	Ant1	48.98	3.1	0.35
NVNT	ax20	2462	Ant1	48.96	3.1	0.35



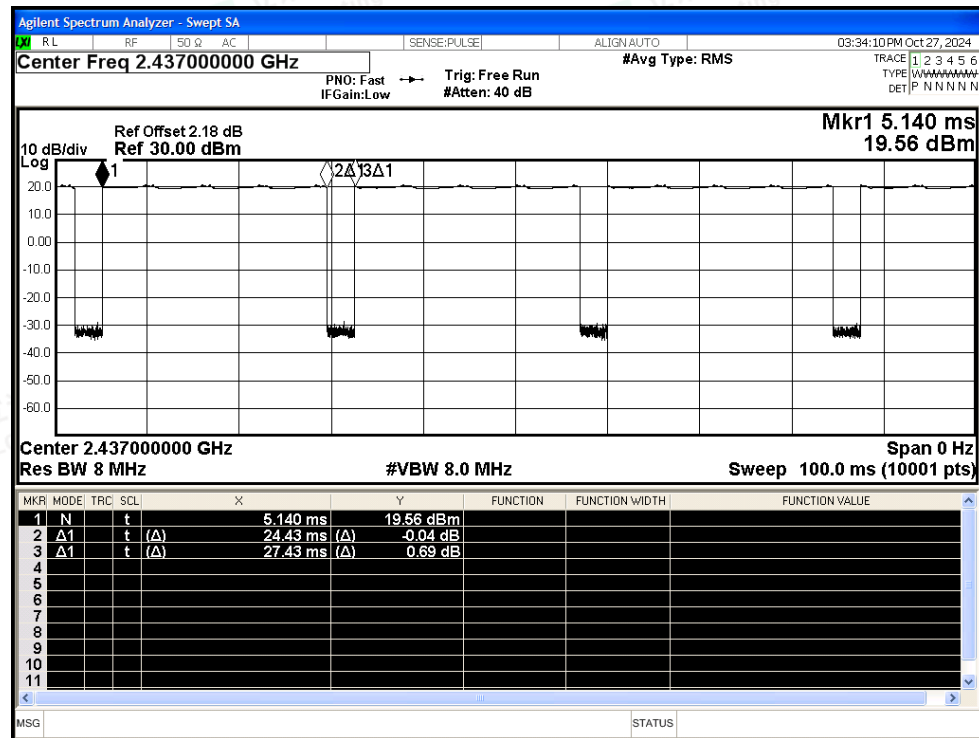


Test Graphs

Duty Cycle NVNT b 2412MHz Ant1



Duty Cycle NVNT b 2437MHz Ant1



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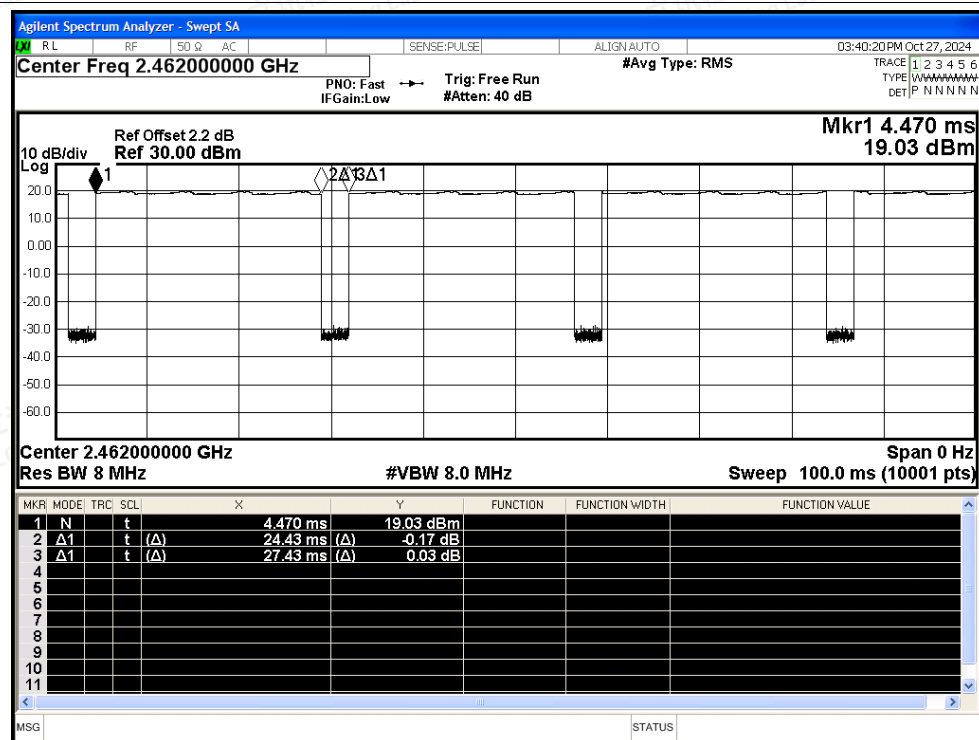
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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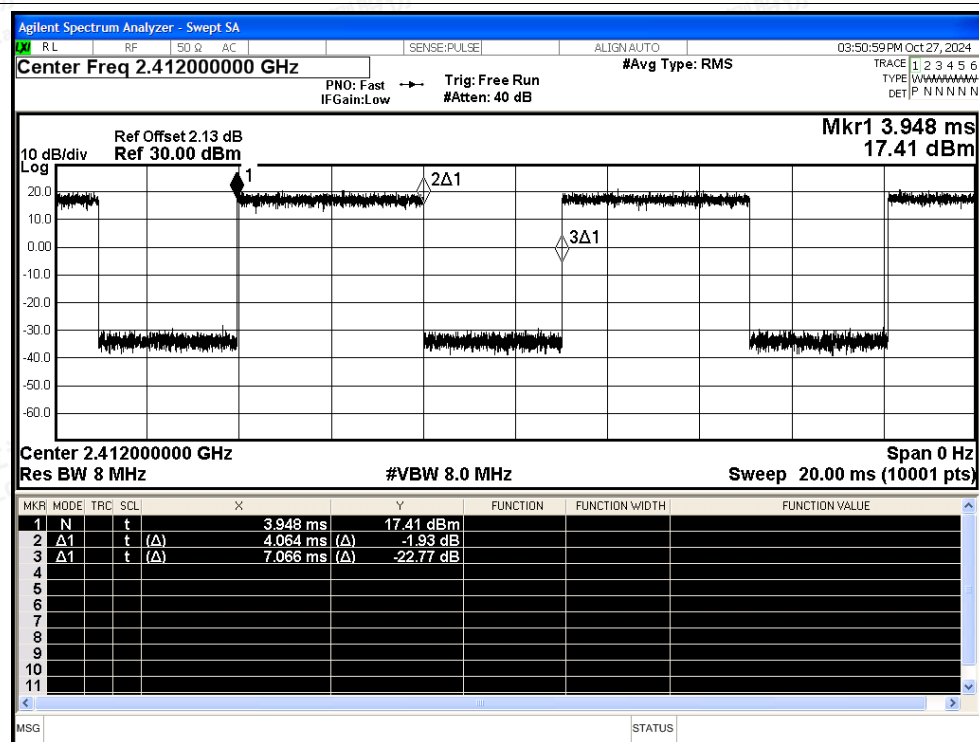
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Duty Cycle NVNT b 2462MHz Ant1



Duty Cycle NVNT g 2412MHz Ant1



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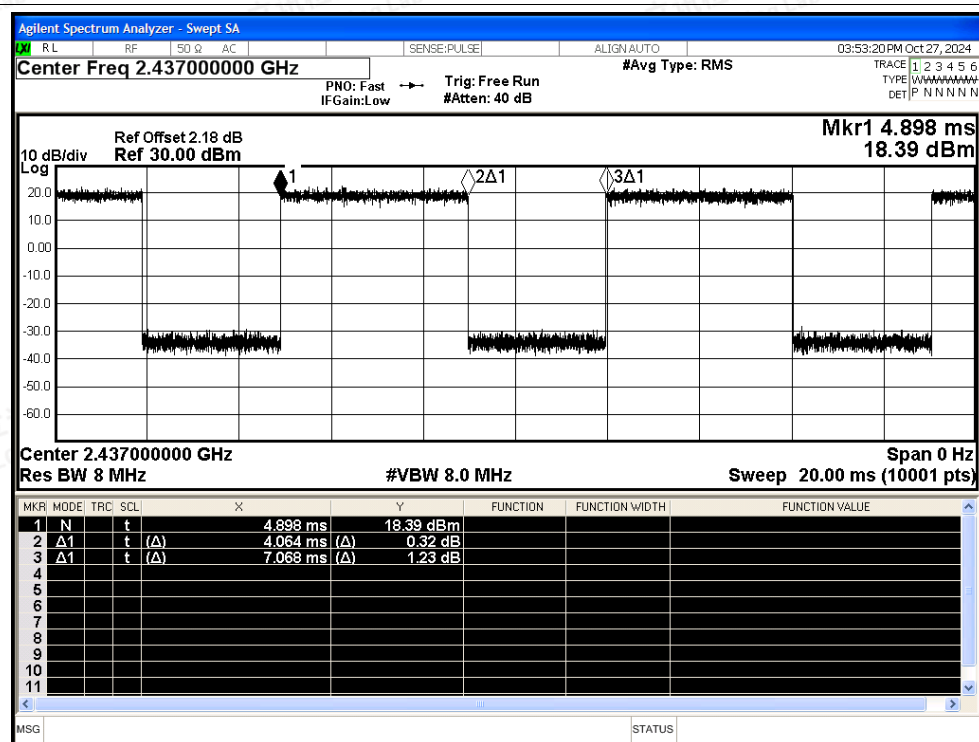
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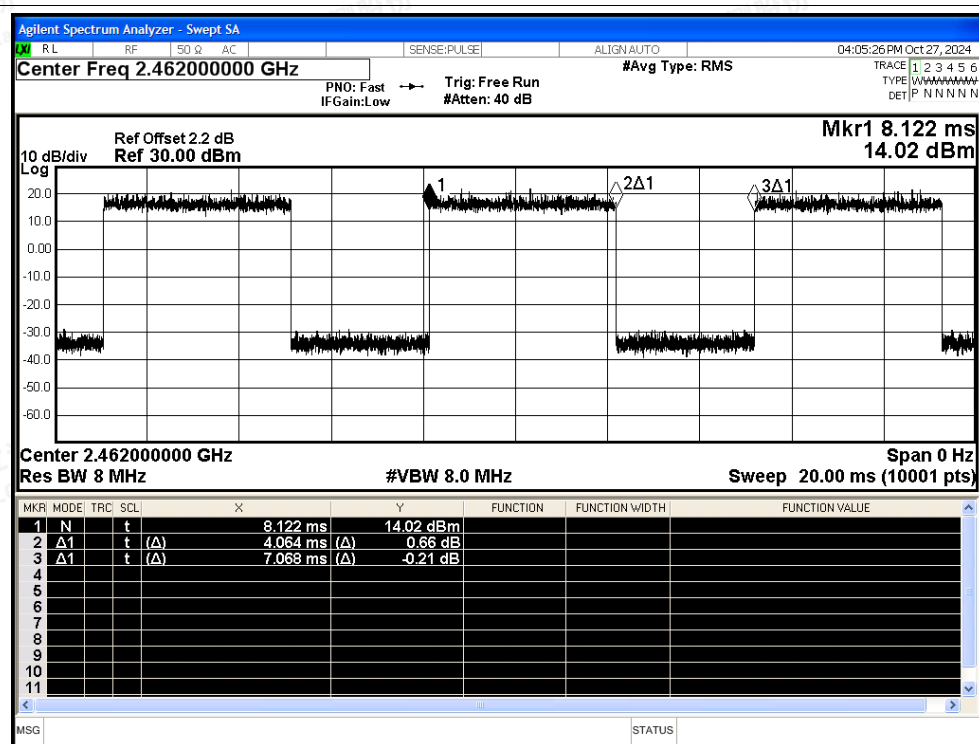
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Duty Cycle NVNT g 2437MHz Ant1



Duty Cycle NVNT g 2462MHz Ant1



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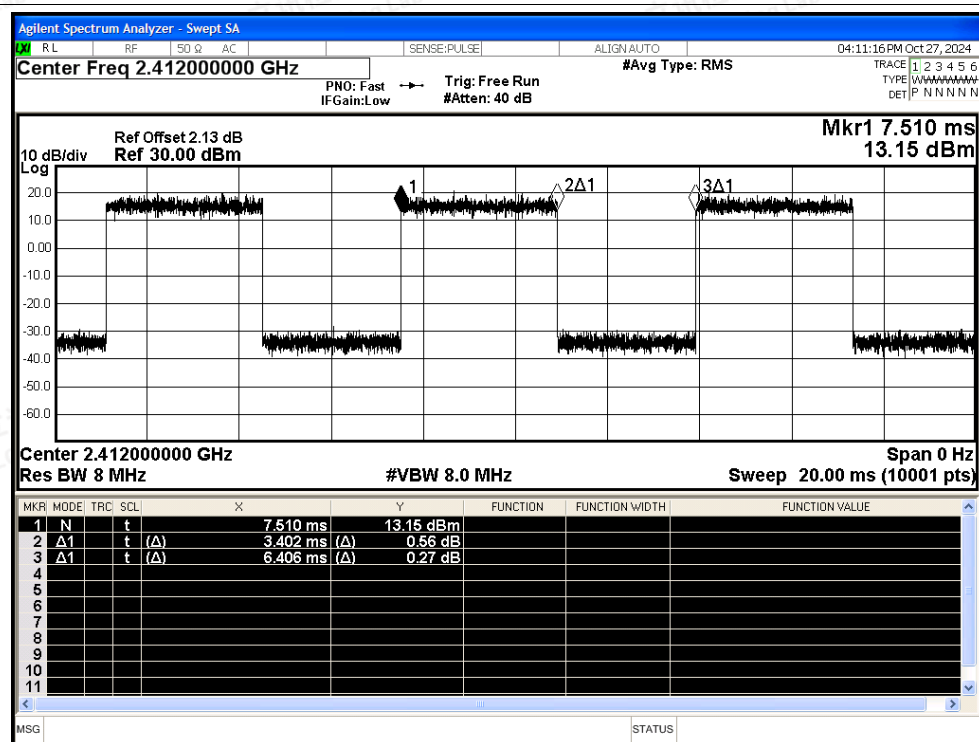
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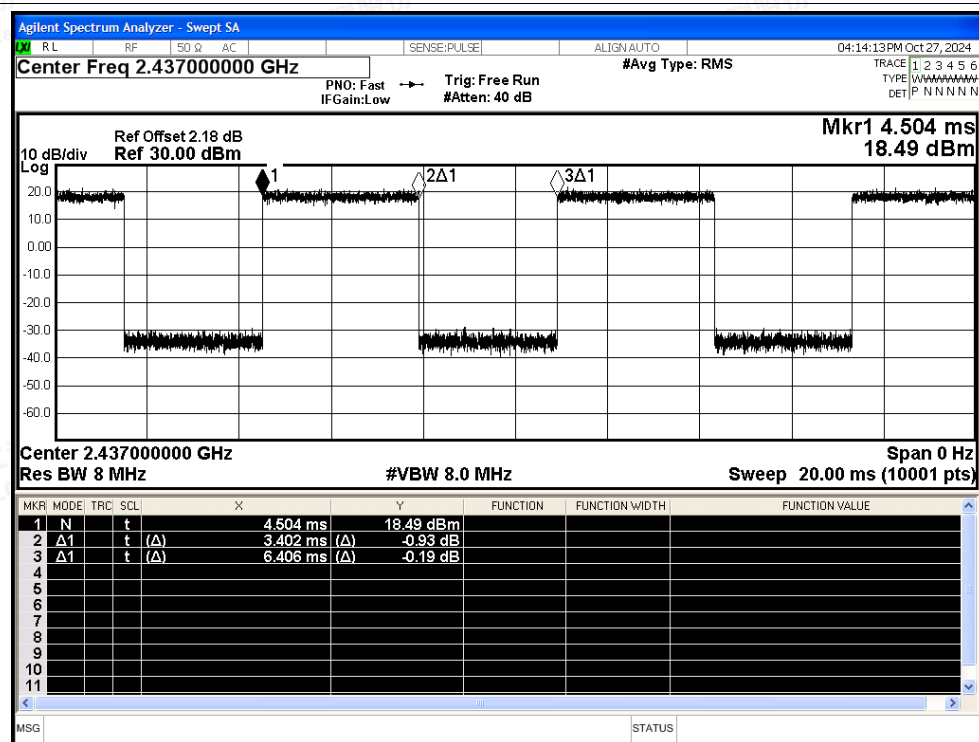
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Duty Cycle NVNT n20 2412MHz Ant1



Duty Cycle NVNT n20 2437MHz Ant1



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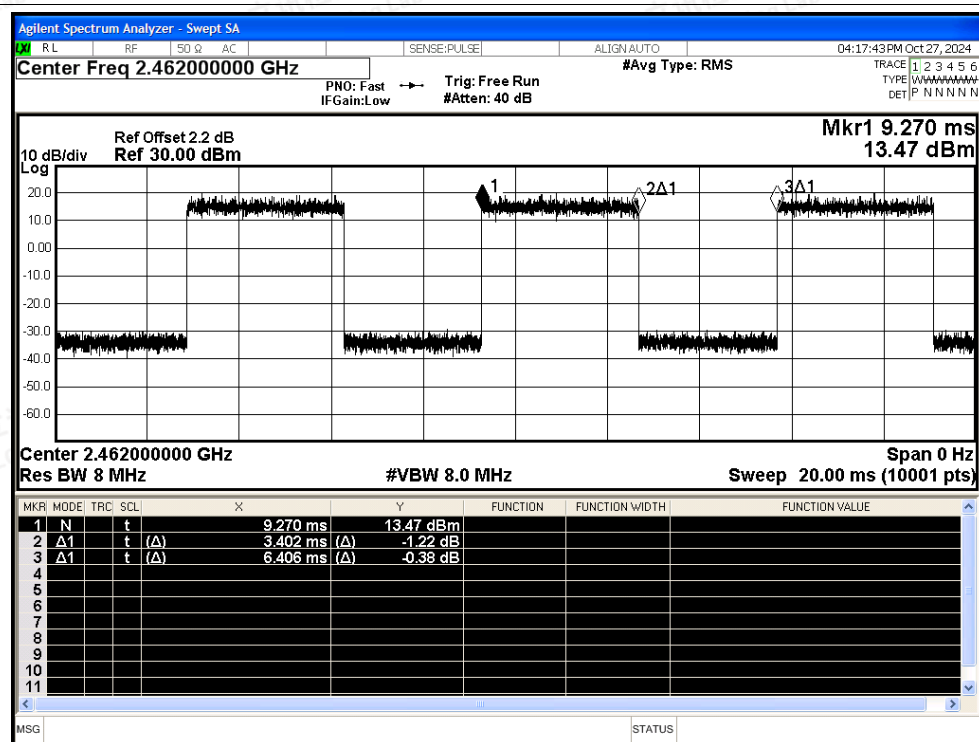
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

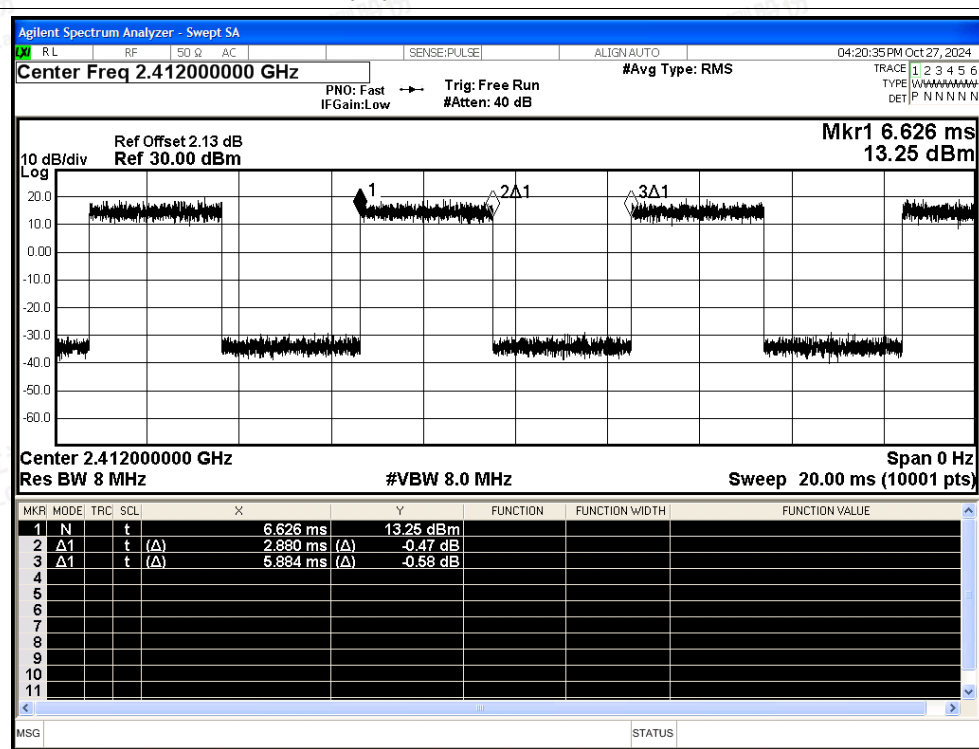
Scan code to check authenticity



Duty Cycle NVNT n20 2462MHz Ant1



Duty Cycle NVNT ax20 2412MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

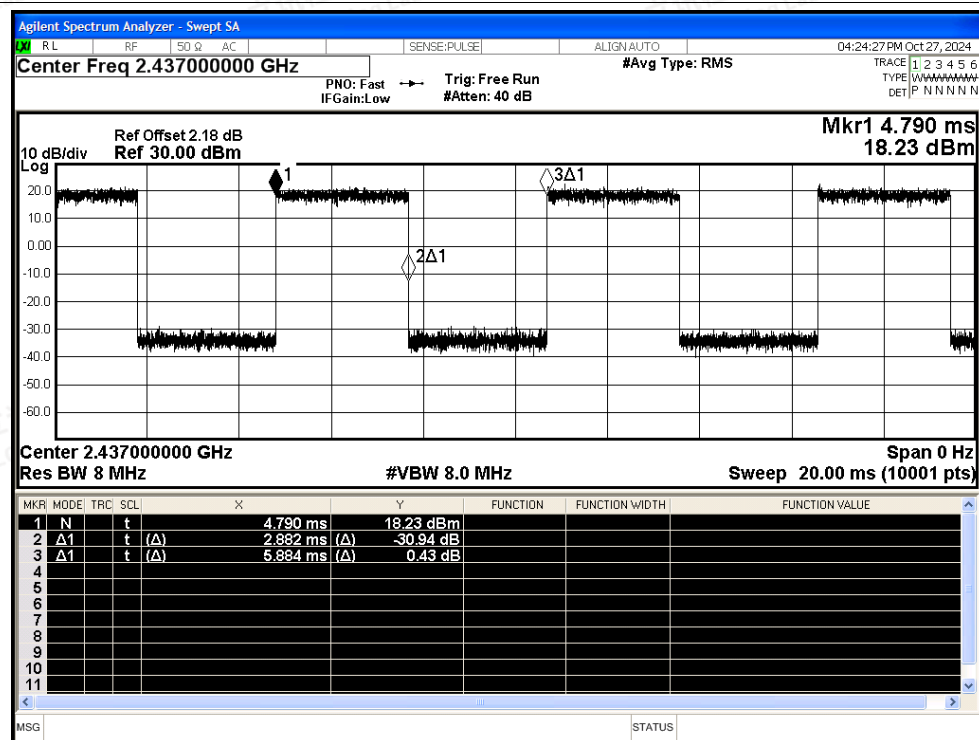
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

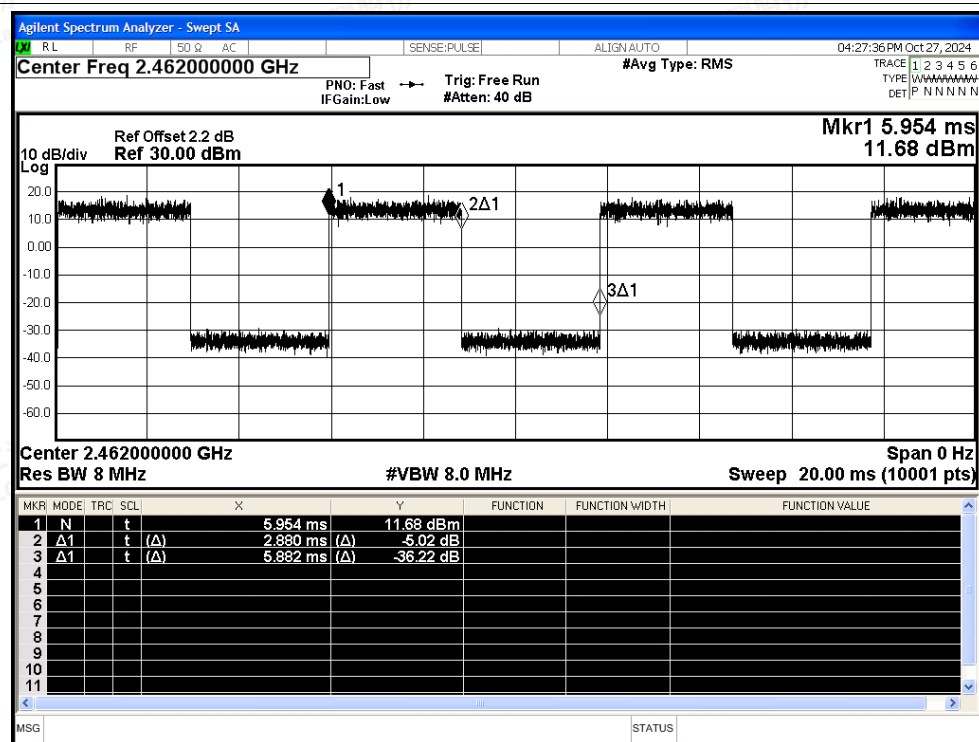
Scan code to check authenticity



Duty Cycle NVNT ax20 2437MHz Ant1



Duty Cycle NVNT ax20 2462MHz Ant1



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802.11ax OFDMA-(26 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ax20	2412	Ant1	48.95	3.1	0.35
NVNT	ax20	2437	Ant1	48.98	3.1	0.35
NVNT	ax20	2462	Ant1	48.96	3.1	0.35

802.11ax OFDMA-(52 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ax20	2412	Ant1	48.95	3.1	0.35
NVNT	ax20	2437	Ant1	48.98	3.1	0.35
NVNT	ax20	2462	Ant1	48.96	3.1	0.35

802.11ax OFDMA-(106 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ax20	2412	Ant1	48.95	3.1	0.35
NVNT	ax20	2437	Ant1	48.98	3.1	0.35
NVNT	ax20	2462	Ant1	48.96	3.1	0.35

802.11ax OFDMA-(242 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ax20	2412	Ant1	48.95	3.1	0.35
NVNT	ax20	2437	Ant1	48.98	3.1	0.35
NVNT	ax20	2462	Ant1	48.96	3.1	0.35





B.7 Restrict Band

worse case

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	b	2412	Ant1	2310	-48.62	2.7	-	49.34	Peak	74	Pass
NVNT	b	2412	Ant1	2310	-58.02	2.7	0.5	40.44	Average	54	Pass
NVNT	b	2412	Ant1	2388.624	-41.67	2.7	-	56.29	Peak	74	Pass
NVNT	b	2412	Ant1	2389.677	-52.01	2.7	0.5	46.45	Average	54	Pass
NVNT	b	2412	Ant1	2390	-43.04	2.7	-	54.92	Peak	74	Pass
NVNT	b	2412	Ant1	2390	-52.84	2.7	0.5	45.62	Average	54	Pass
NVNT	b	2462	Ant1	2483.5	-43.52	2.7	-	54.44	Peak	74	Pass
NVNT	b	2462	Ant1	2483.5	-52.13	2.7	0.5	46.33	Average	54	Pass
NVNT	b	2462	Ant1	2490.407	-40.72	2.7	-	57.24	Peak	74	Pass
NVNT	b	2462	Ant1	2494.435	-49.52	2.7	0.5	48.94	Average	54	Pass
NVNT	b	2462	Ant1	2500	-43.94	2.7	-	54.02	Peak	74	Pass
NVNT	b	2462	Ant1	2500	-52.77	2.7	0.5	45.69	Average	54	Pass
NVNT	g	2412	Ant1	2310	-50.7	2.7	-	47.26	Peak	74	Pass
NVNT	g	2412	Ant1	2310	-57.61	2.7	2.4	42.75	Average	54	Pass
NVNT	g	2412	Ant1	2389.911	-33.97	2.7	-	63.99	Peak	74	Pass
NVNT	g	2412	Ant1	2389.911	-47.26	2.7	2.4	53.1	Average	54	Pass
NVNT	g	2412	Ant1	2390	-34.48	2.7	-	63.48	Peak	74	Pass
NVNT	g	2412	Ant1	2390	-46.77	2.7	2.4	53.59	Average	54	Pass
NVNT	g	2462	Ant1	2483.5	-35.06	2.7	-	62.9	Peak	74	Pass
NVNT	g	2462	Ant1	2483.5	-48.65	2.7	2.4	51.71	Average	54	Pass
NVNT	g	2462	Ant1	2486.485	-25.8	2.7	-	72.16	Peak	74	Pass
NVNT	g	2462	Ant1	2483.623	-47.71	2.7	2.4	52.65	Average	54	Pass
NVNT	g	2462	Ant1	2500	-44.93	2.7	-	53.03	Peak	74	Pass
NVNT	g	2462	Ant1	2500	-53.76	2.7	2.4	46.6	Average	54	Pass
NVNT	n20	2412	Ant1	2310	-49.51	2.7	-	48.45	Peak	74	Pass
NVNT	n20	2412	Ant1	2310	-58.28	2.7	2.75	42.43	Average	54	Pass
NVNT	n20	2412	Ant1	2388.741	-28.65	2.7	-	69.31	Peak	74	Pass
NVNT	n20	2412	Ant1	2387.337	-49.07	2.7	2.75	51.64	Average	54	Pass
NVNT	n20	2412	Ant1	2390	-33.08	2.7	-	64.88	Peak	74	Pass
NVNT	n20	2412	Ant1	2390	-48.82	2.7	2.75	51.89	Average	54	Pass
NVNT	n20	2462	Ant1	2483.5	-37.7	2.7	-	60.26	Peak	74	Pass
NVNT	n20	2462	Ant1	2483.5	-48.84	2.7	2.75	51.87	Average	54	Pass
NVNT	n20	2462	Ant1	2483.941	-34	2.7	-	63.96	Peak	74	Pass
NVNT	n20	2462	Ant1	2483.517	-48.84	2.7	2.75	51.87	Average	54	Pass
NVNT	n20	2462	Ant1	2500	-44.73	2.7	-	53.23	Peak	74	Pass



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NVNT	n20	2462	Ant1	2500	-55.06	2.7	2.75	45.65	Average	54	Pass
NVNT	ax20	2412	Ant1	2310	-49.32	2.7	-	48.64	Peak	74	Pass
NVNT	ax20	2412	Ant1	2310	-58.1	2.7	3.1	42.96	Average	54	Pass
NVNT	ax20	2412	Ant1	2389.56	-28.02	2.7	-	69.94	Peak	74	Pass
NVNT	ax20	2412	Ant1	2389.911	-47.24	2.7	3.1	53.82	Average	54	Pass
NVNT	ax20	2412	Ant1	2390	-37.78	2.7	-	60.18	Peak	74	Pass
NVNT	ax20	2412	Ant1	2390	-48.76	2.7	3.1	52.3	Average	54	Pass
NVNT	ax20	2462	Ant1	2483.5	-36.39	2.7	-	61.57	Peak	74	Pass
NVNT	ax20	2462	Ant1	2483.5	-48.45	2.7	3.1	52.61	Average	54	Pass
NVNT	ax20	2462	Ant1	2490.142	-34.5	2.7	-	63.46	Peak	74	Pass
NVNT	ax20	2462	Ant1	2483.517	-48.45	2.7	3.1	52.61	Average	54	Pass
NVNT	ax20	2462	Ant1	2500	-44.84	2.7	-	53.12	Peak	74	Pass
NVNT	ax20	2462	Ant1	2500	-54.73	2.7	3.1	46.33	Average	54	Pass

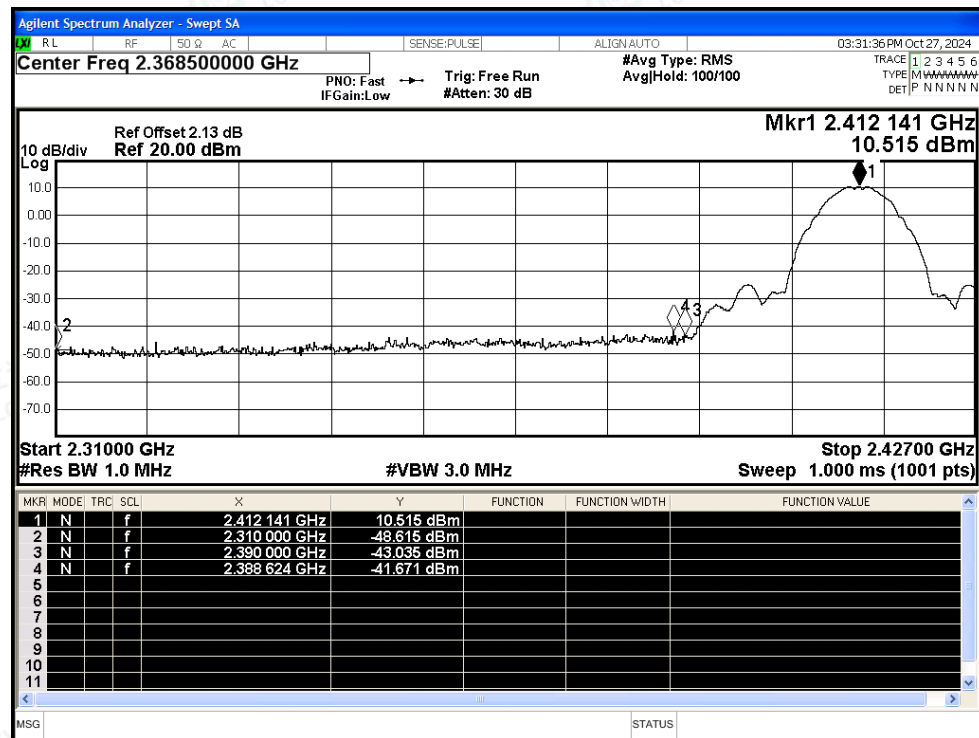


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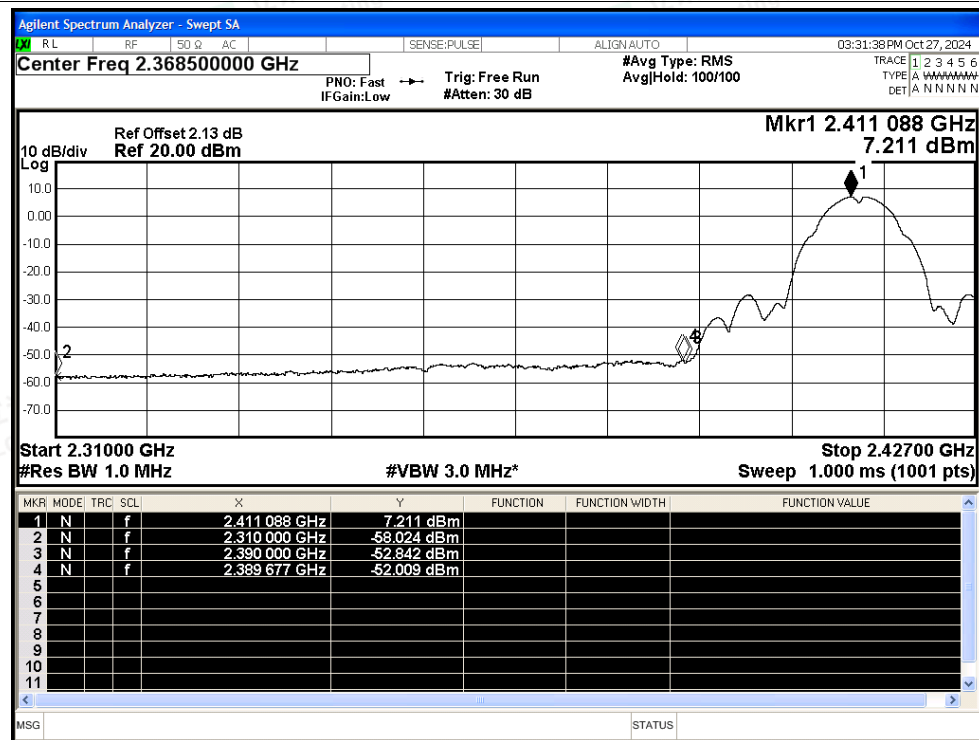


Test Graphs

Restrict Band NVNT b 2412MHz Ant1 Peak

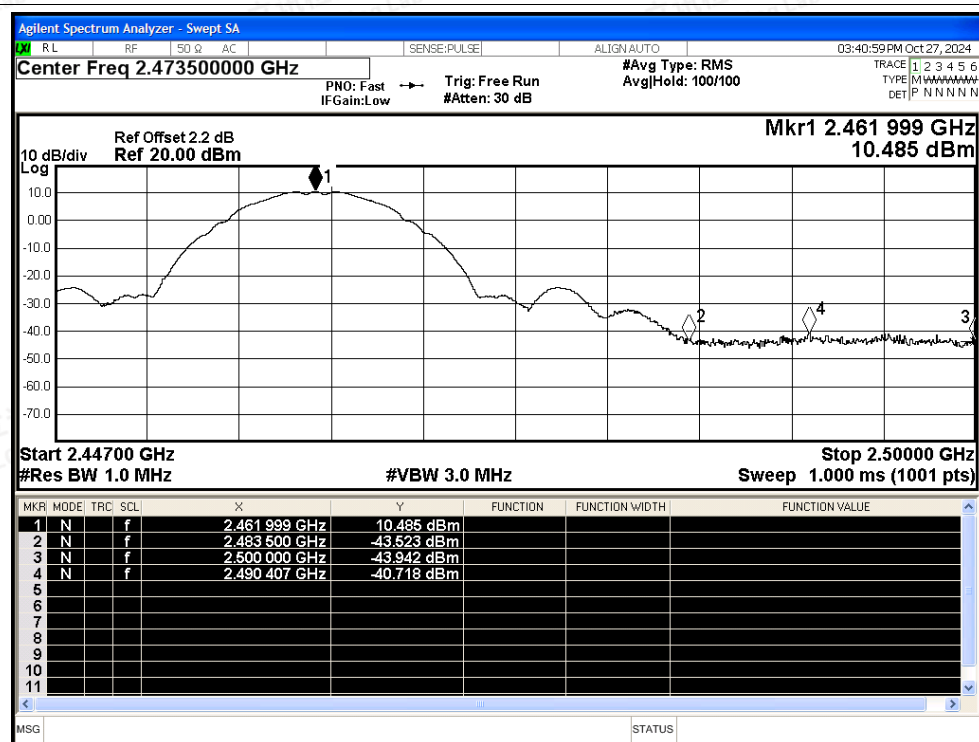


Restrict Band NVNT b 2412MHz Ant1 Average

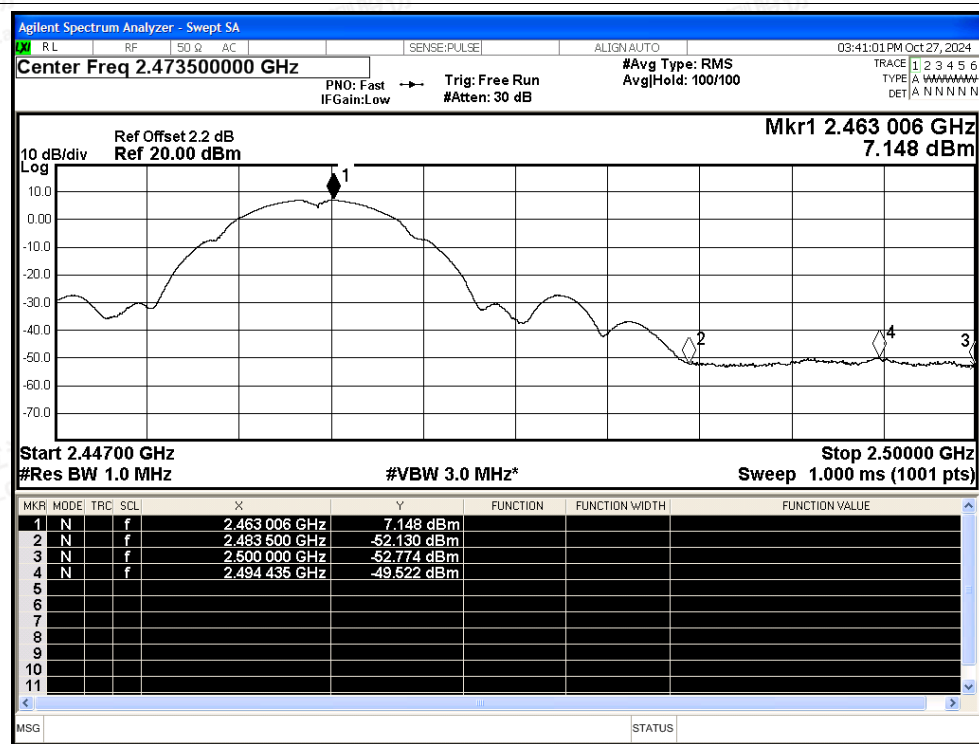




Restrict Band NVNT b 2462MHz Ant1 Peak



Restrict Band NVNT b 2462MHz Ant1 Average



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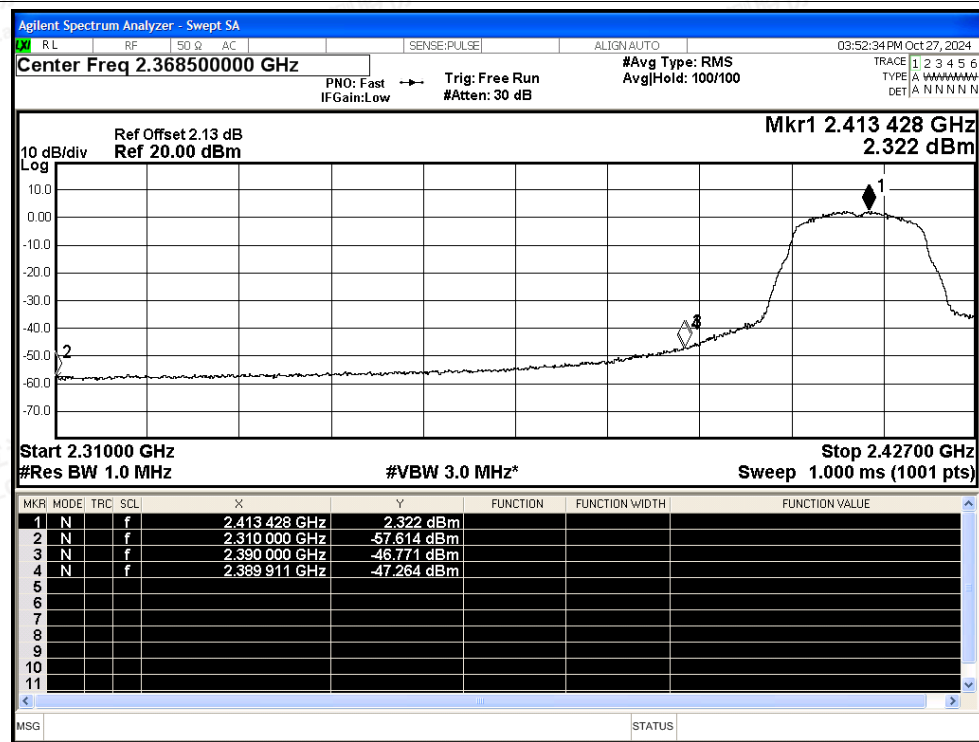
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Restrict Band NVNT g 2412MHz Ant1 Peak

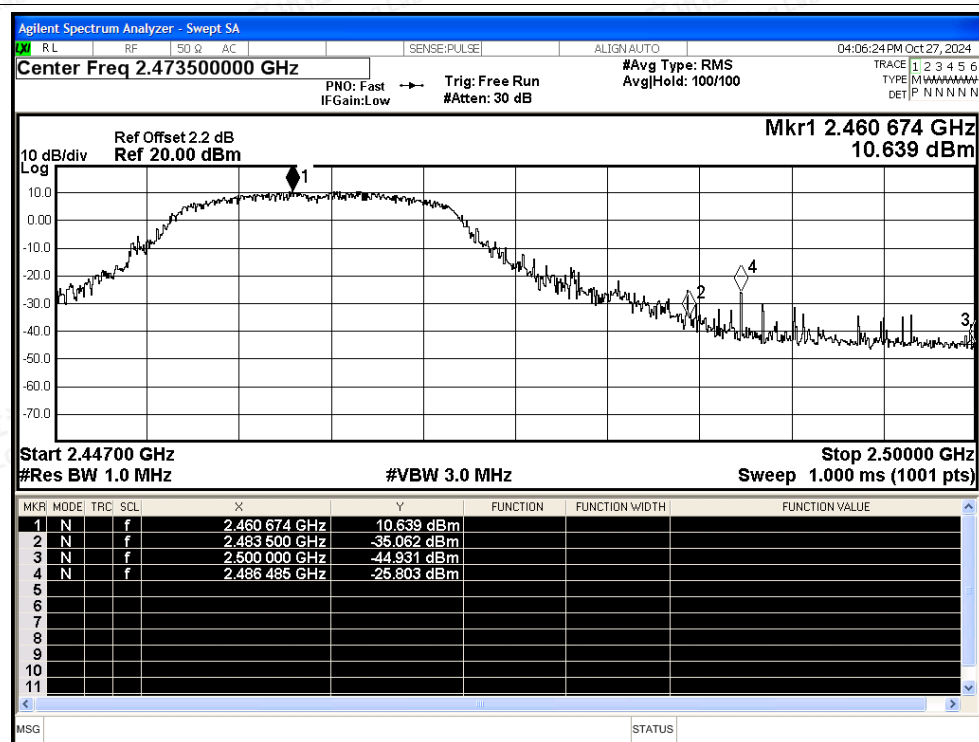


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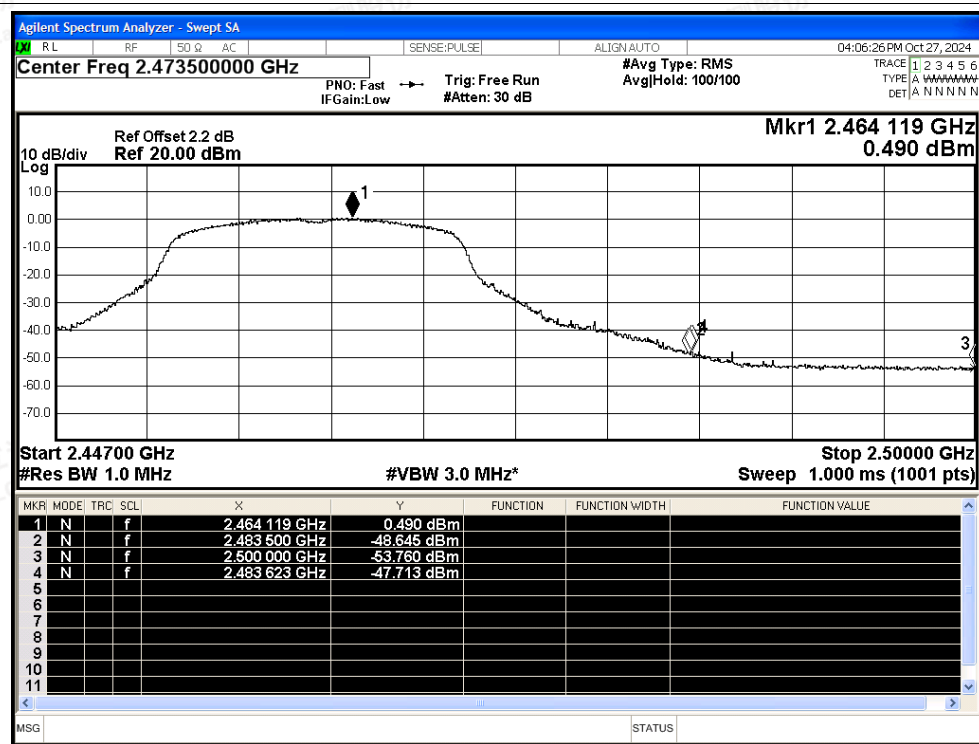




Restrict Band NVNT g 2462MHz Ant1 Peak



Restrict Band NVNT g 2462MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

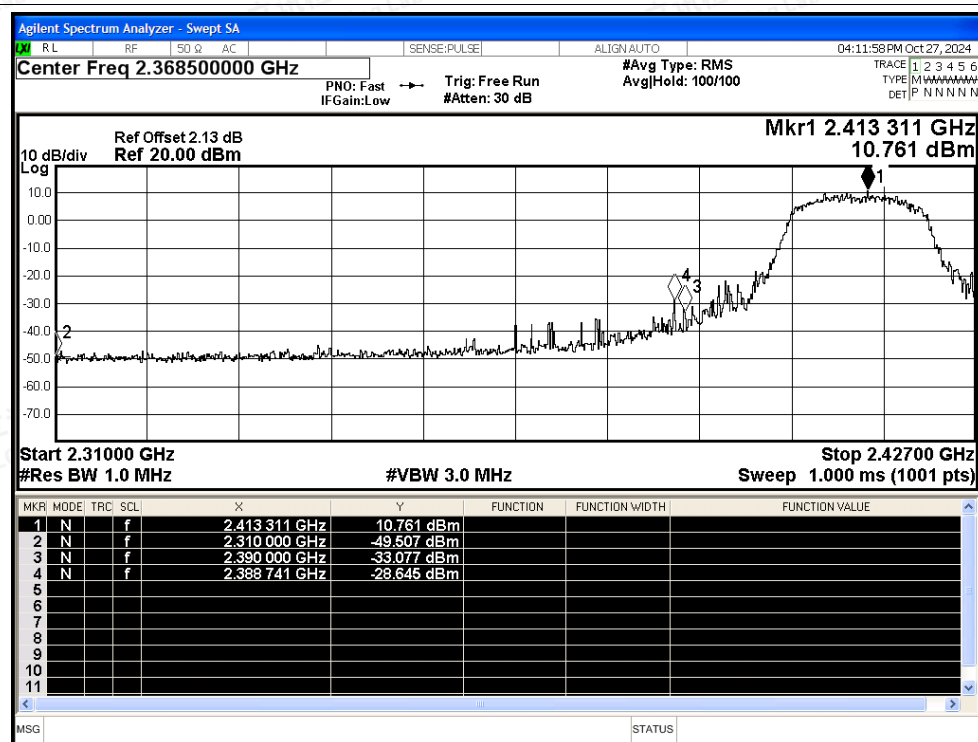
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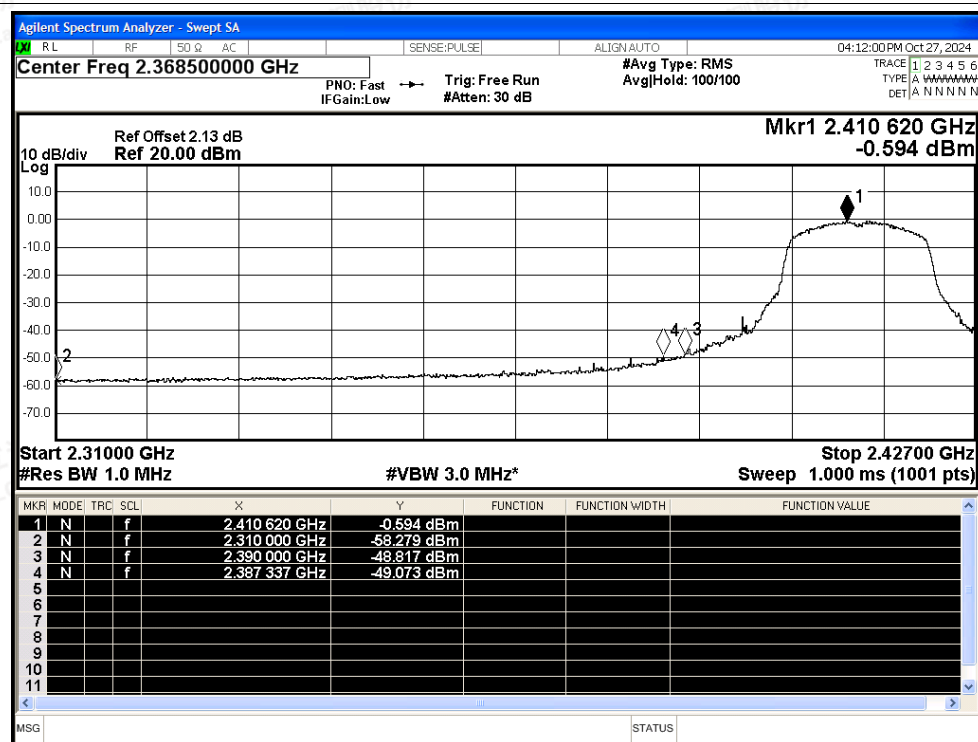
Scan code to check authenticity



Restrict Band NVNT n20 2412MHz Ant1 Peak



Restrict Band NVNT n20 2412MHz Ant1 Average



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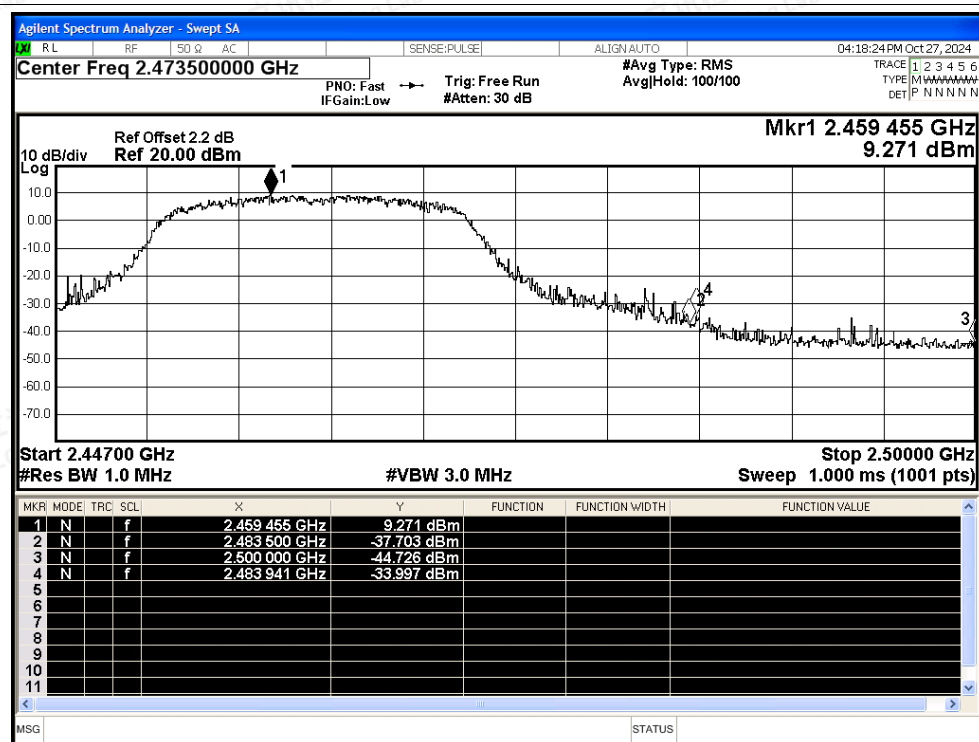
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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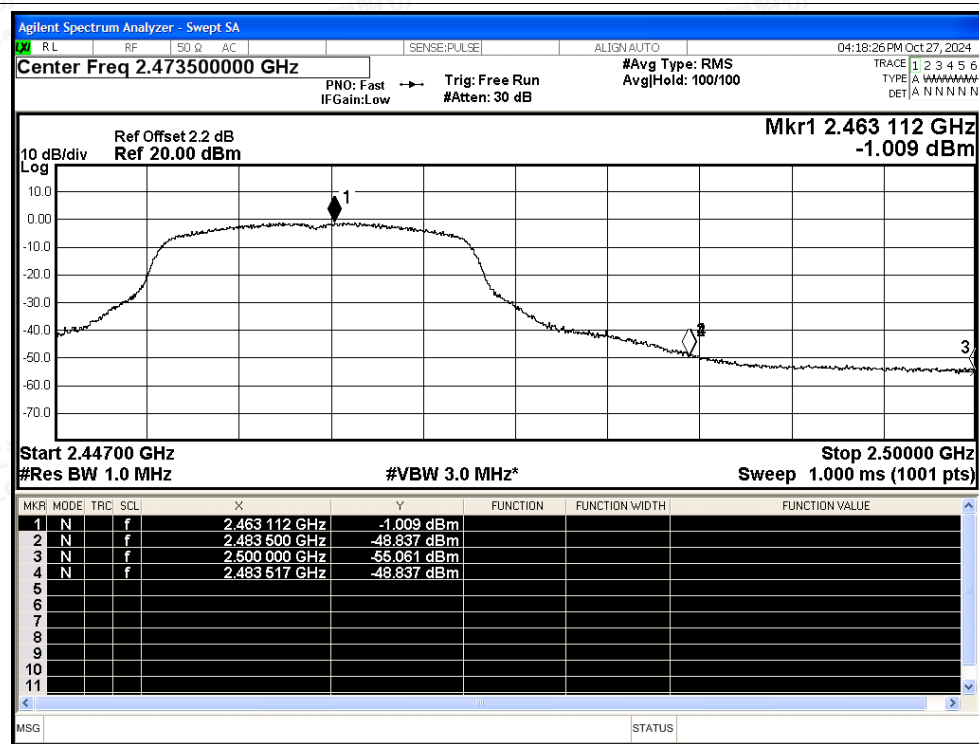
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Restrict Band NVNT n20 2462MHz Ant1 Peak



Restrict Band NVNT n20 2462MHz Ant1 Average



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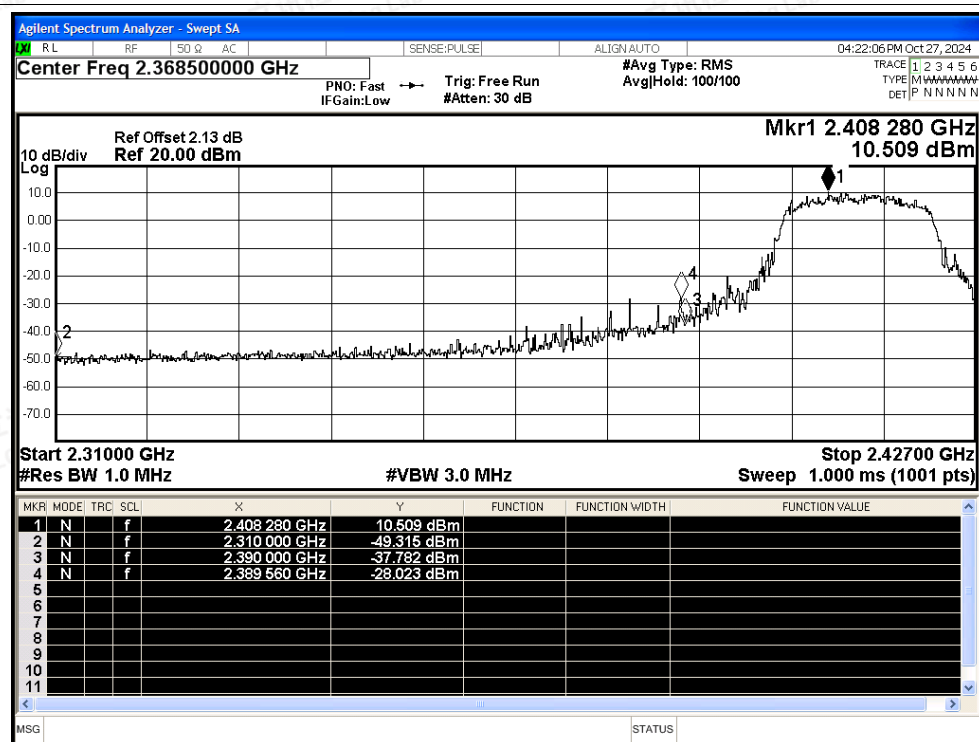
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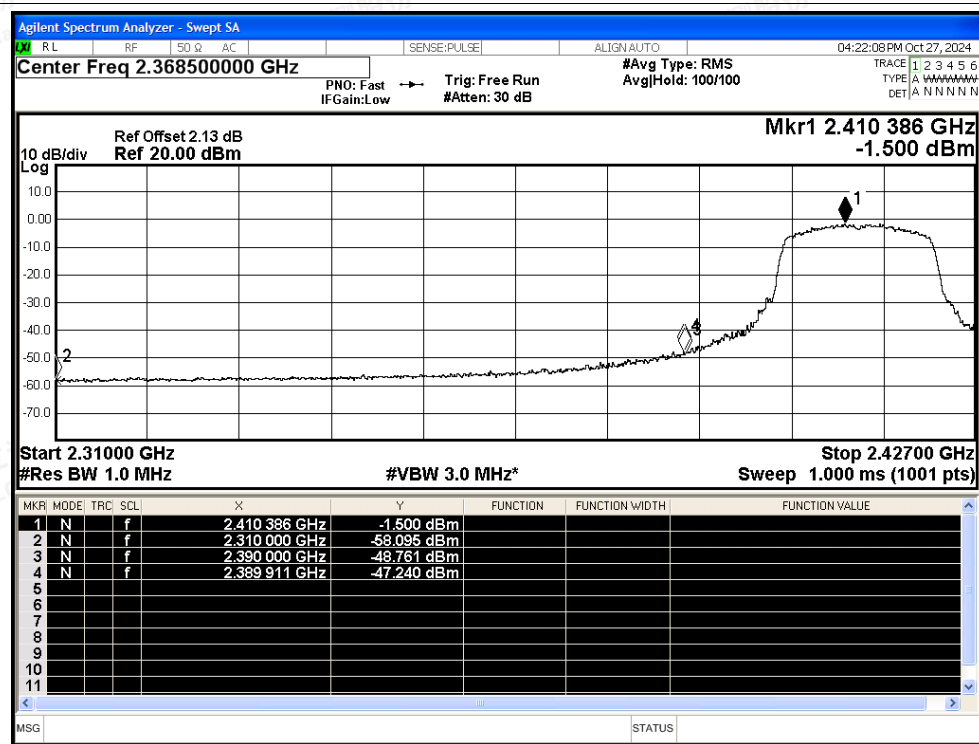
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Restrict Band NVNT ax20 2412MHz Ant1 Peak



Restrict Band NVNT ax20 2412MHz Ant1 Average



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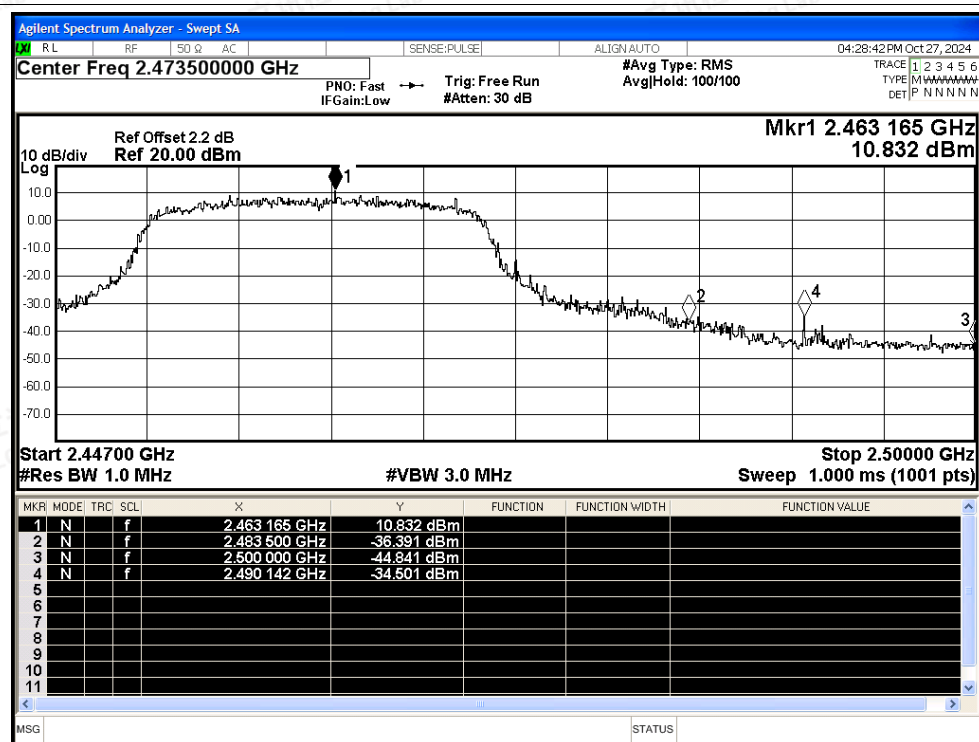
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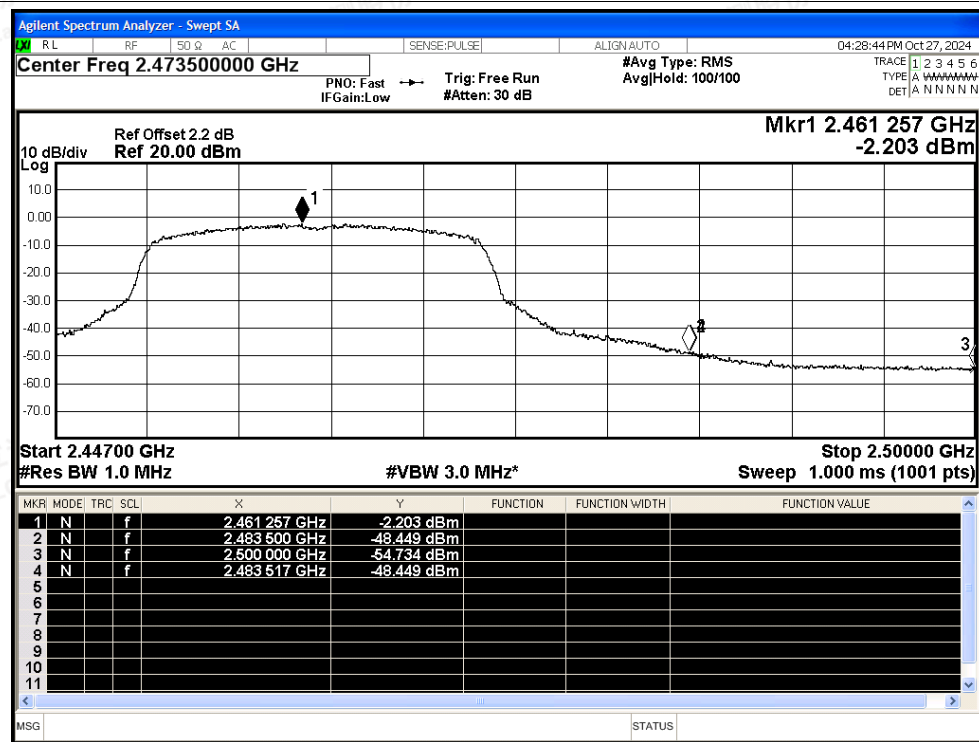
Scan code to check authenticity



Restrict Band NVNT ax20 2462MHz Ant1 Peak



Restrict Band NVNT ax20 2462MHz Ant1 Average



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802.11ax OFDMA-(26 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	ax20	2412	Ant1	2310	-50.43	2.7	-	47.53	Peak	74	Pass
NVNT	ax20	2412	Ant1	2310	-59.14	2.7	3.1	41.92	Average	54	Pass
NVNT	ax20	2412	Ant1	2389.56	-29.09	2.7	-	68.87	Peak	74	Pass
NVNT	ax20	2412	Ant1	2389.911	-48.25	2.7	3.1	52.81	Average	54	Pass
NVNT	ax20	2412	Ant1	2390	-38.85	2.7	-	59.11	Peak	74	Pass
NVNT	ax20	2412	Ant1	2390	-49.95	2.7	3.1	51.11	Average	54	Pass
NVNT	ax20	2462	Ant1	2483.5	-37.46	2.7	-	60.5	Peak	74	Pass
NVNT	ax20	2462	Ant1	2483.5	-49.55	2.7	3.1	51.51	Average	54	Pass
NVNT	ax20	2462	Ant1	2490.142	-35.65	2.7	-	62.31	Peak	74	Pass
NVNT	ax20	2462	Ant1	2483.517	-49.59	2.7	3.1	51.47	Average	54	Pass
NVNT	ax20	2462	Ant1	2500	-45.92	2.7	-	52.04	Peak	74	Pass
NVNT	ax20	2462	Ant1	2500	-55.86	2.7	3.1	45.2	Average	54	Pass

802.11ax OFDMA-(52 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	ax20	2412	Ant1	2310	-50.46	2.7	-	47.5	Peak	74	Pass
NVNT	ax20	2412	Ant1	2310	-59.15	2.7	3.1	41.91	Average	54	Pass
NVNT	ax20	2412	Ant1	2389.56	-29.13	2.7	-	68.83	Peak	74	Pass
NVNT	ax20	2412	Ant1	2389.911	-48.32	2.7	3.1	52.74	Average	54	Pass
NVNT	ax20	2412	Ant1	2390	-38.95	2.7	-	59.01	Peak	74	Pass
NVNT	ax20	2412	Ant1	2390	-49.89	2.7	3.1	51.17	Average	54	Pass
NVNT	ax20	2462	Ant1	2483.5	-37.48	2.7	-	60.48	Peak	74	Pass
NVNT	ax20	2462	Ant1	2483.5	-49.52	2.7	3.1	51.54	Average	54	Pass
NVNT	ax20	2462	Ant1	2490.142	-35.61	2.7	-	62.35	Peak	74	Pass
NVNT	ax20	2462	Ant1	2483.517	-49.57	2.7	3.1	51.49	Average	54	Pass
NVNT	ax20	2462	Ant1	2500	-45.98	2.7	-	51.98	Peak	74	Pass
NVNT	ax20	2462	Ant1	2500	-55.86	2.7	3.1	45.2	Average	54	Pass



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802.11ax OFDMA-(106 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	ax20	2412	Ant1	2310	-50.44	2.7	-	47.52	Peak	74	Pass
NVNT	ax20	2412	Ant1	2310	-59.21	2.7	3.1	41.85	Average	54	Pass
NVNT	ax20	2412	Ant1	2389.56	-29.14	2.7	-	68.82	Peak	74	Pass
NVNT	ax20	2412	Ant1	2389.911	-48.27	2.7	3.1	52.79	Average	54	Pass
NVNT	ax20	2412	Ant1	2390	-38.89	2.7	-	59.07	Peak	74	Pass
NVNT	ax20	2412	Ant1	2390	-49.85	2.7	3.1	51.21	Average	54	Pass
NVNT	ax20	2462	Ant1	2483.5	-37.48	2.7	-	60.48	Peak	74	Pass
NVNT	ax20	2462	Ant1	2483.5	-49.49	2.7	3.1	51.57	Average	54	Pass
NVNT	ax20	2462	Ant1	2490.142	-35.58	2.7	-	62.38	Peak	74	Pass
NVNT	ax20	2462	Ant1	2483.517	-49.53	2.7	3.1	51.53	Average	54	Pass
NVNT	ax20	2462	Ant1	2500	-46.00	2.7	-	51.96	Peak	74	Pass
NVNT	ax20	2462	Ant1	2500	-55.84	2.7	3.1	45.22	Average	54	Pass

802.11ax OFDMA-(242 Tone)

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	ax20	2412	Ant1	2310	-50.42	2.7	-	47.54	Peak	74	Pass
NVNT	ax20	2412	Ant1	2310	-59.22	2.7	3.1	41.84	Average	54	Pass
NVNT	ax20	2412	Ant1	2389.56	-29.14	2.7	-	68.82	Peak	74	Pass
NVNT	ax20	2412	Ant1	2389.911	-48.34	2.7	3.1	52.72	Average	54	Pass
NVNT	ax20	2412	Ant1	2390	-38.86	2.7	-	59.1	Peak	74	Pass
NVNT	ax20	2412	Ant1	2390	-49.81	2.7	3.1	51.25	Average	54	Pass
NVNT	ax20	2462	Ant1	2483.5	-37.43	2.7	-	60.53	Peak	74	Pass
NVNT	ax20	2462	Ant1	2483.5	-49.49	2.7	3.1	51.57	Average	54	Pass
NVNT	ax20	2462	Ant1	2490.142	-35.64	2.7	-	62.32	Peak	74	Pass
NVNT	ax20	2462	Ant1	2483.517	-49.56	2.7	3.1	51.5	Average	54	Pass
NVNT	ax20	2462	Ant1	2500	-45.98	2.7	-	51.98	Peak	74	Pass
NVNT	ax20	2462	Ant1	2500	-55.76	2.7	3.1	45.3	Average	54	Pass



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