



Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: SMART PROJECTOR

Test Model: L010

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng <i>Nick Peng</i>
Supervised by:	Ling Zhu <i>Ling Zhu</i>





D.1 -26dB Bandwidth

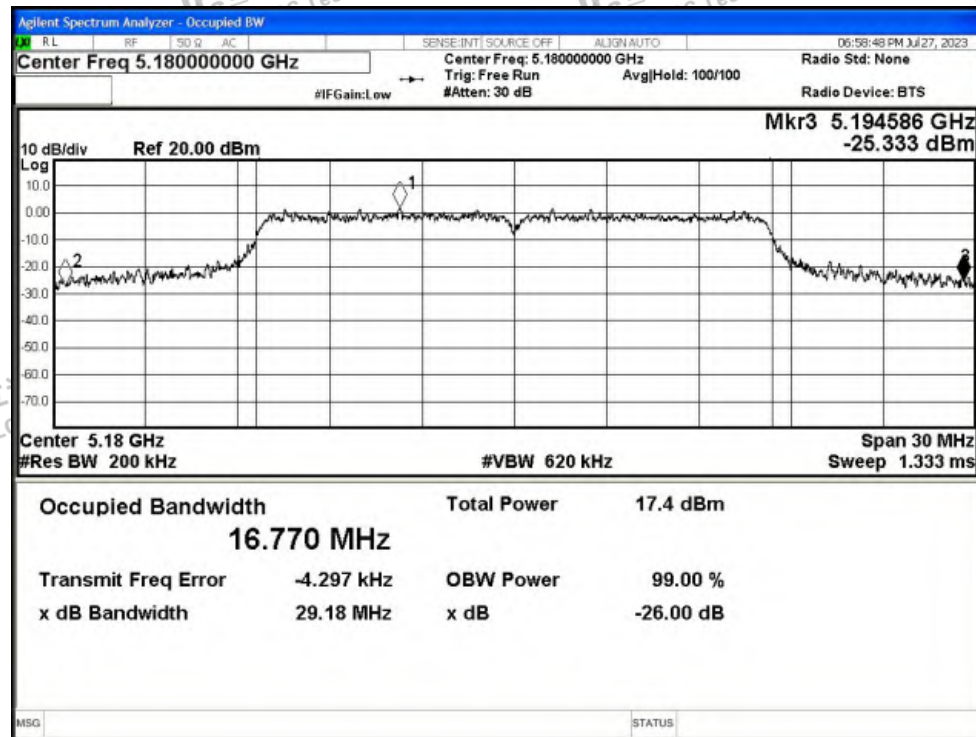
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	29.18	0.5	Pass
NVNT	a	5200	Ant1	28.205	0.5	Pass
NVNT	a	5240	Ant1	29.275	0.5	Pass
NVNT	n20	5180	Ant1	29.648	0.5	Pass
NVNT	n20	5200	Ant1	29.634	0.5	Pass
NVNT	n20	5240	Ant1	29.125	0.5	Pass
NVNT	n40	5190	Ant1	59.503	0.5	Pass
NVNT	n40	5230	Ant1	59.715	0.5	Pass
NVNT	ac20	5180	Ant1	28.872	0.5	Pass
NVNT	ac20	5200	Ant1	29.422	0.5	Pass
NVNT	ac20	5240	Ant1	29.398	0.5	Pass
NVNT	ac40	5190	Ant1	59.808	0.5	Pass
NVNT	ac40	5230	Ant1	42.871	0.5	Pass
NVNT	ax20	5180	Ant1	26.541	0.5	Pass
NVNT	ax20	5200	Ant1	27.09	0.5	Pass
NVNT	ax20	5240	Ant1	28.102	0.5	Pass
NVNT	ax40	5190	Ant1	59.303	0.5	Pass
NVNT	ax40	5230	Ant1	59.889	0.5	Pass



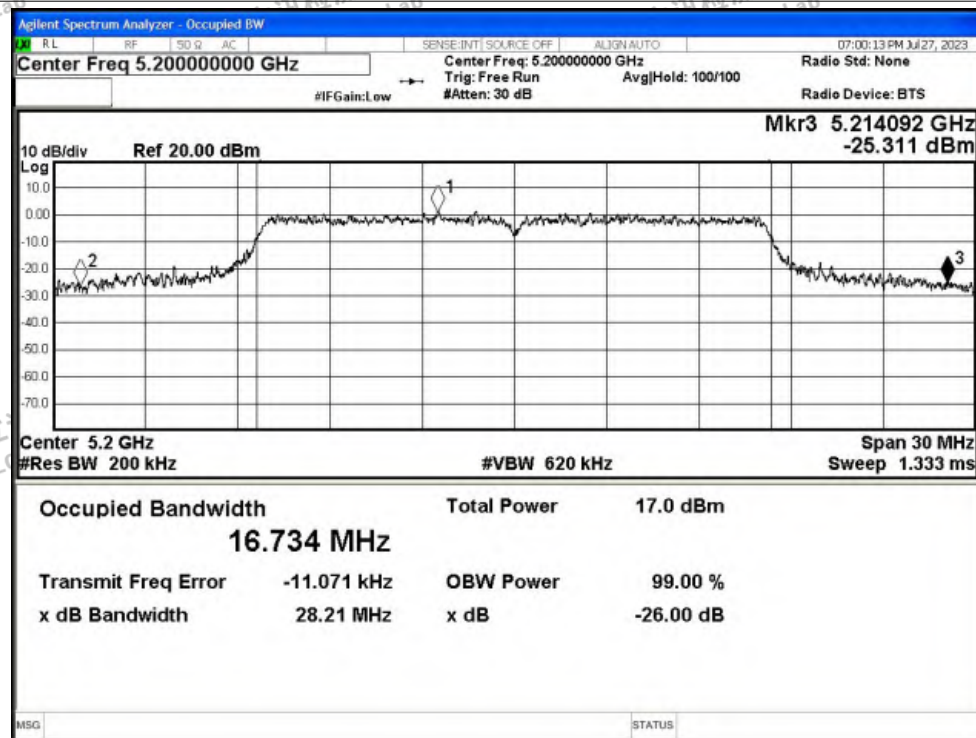


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1



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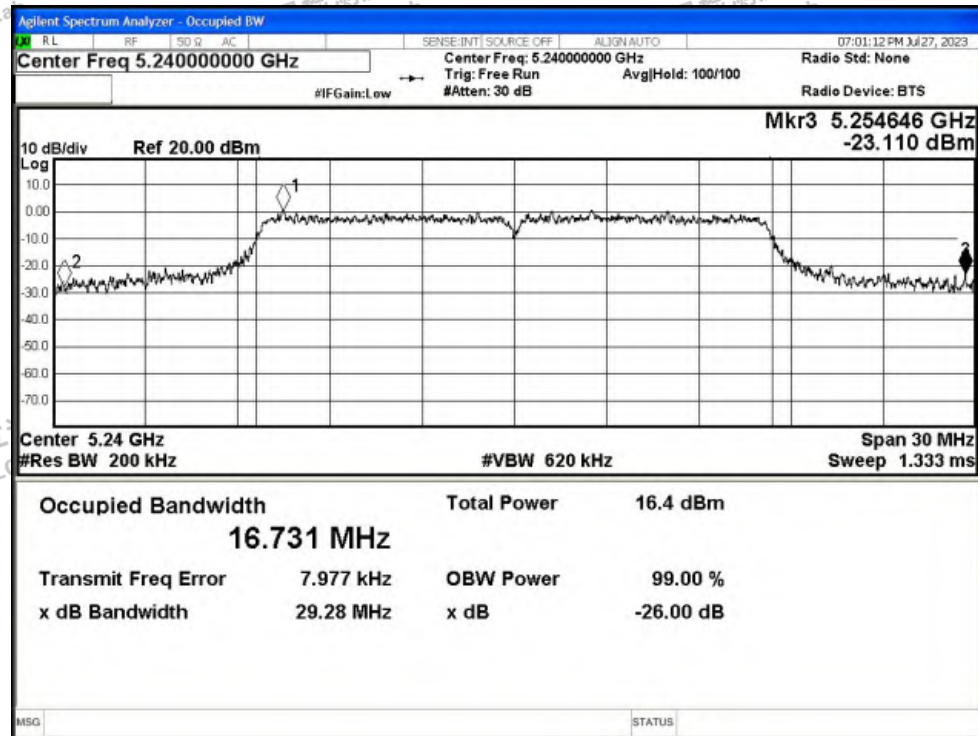
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

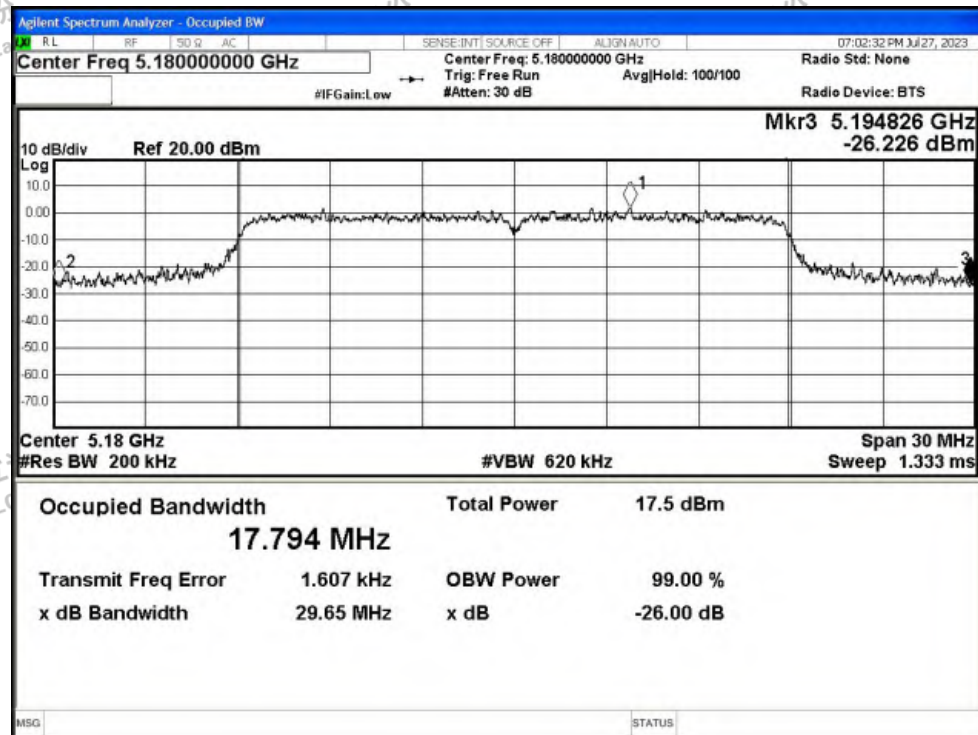
Scan code to check authenticity



-26dB Bandwidth NVNT a 5240MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

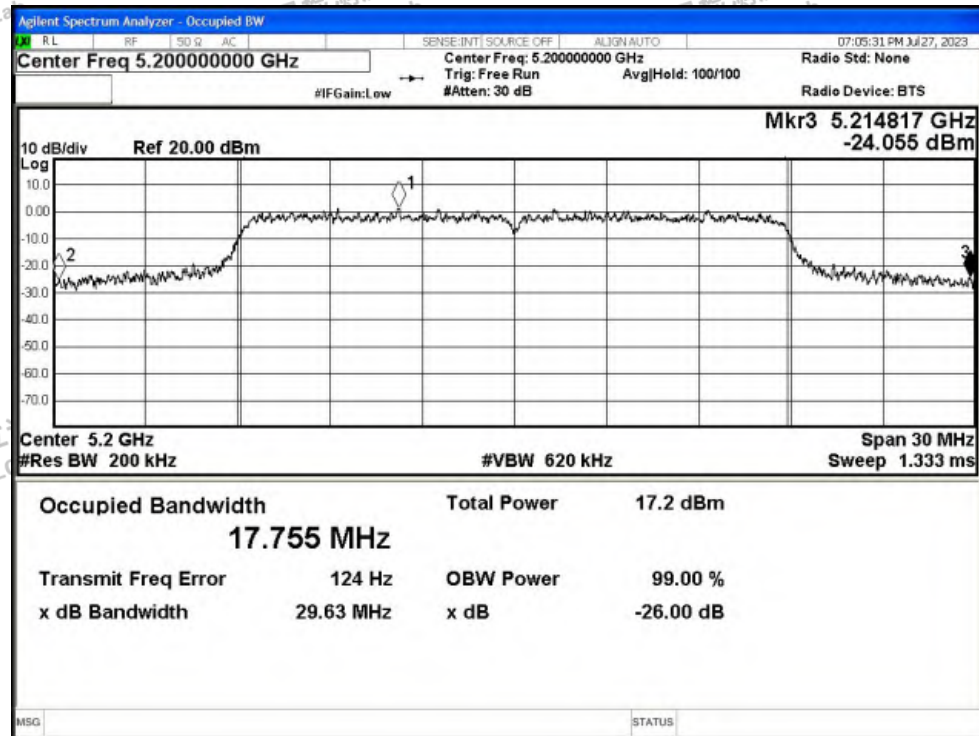
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

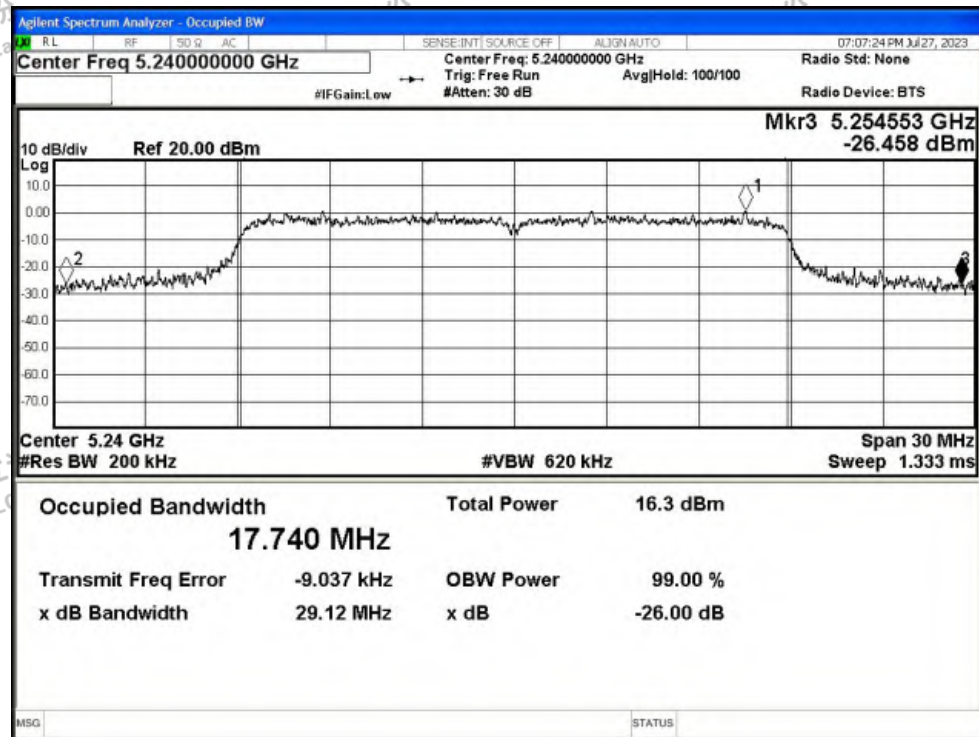
Scan code to check authenticity



-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1



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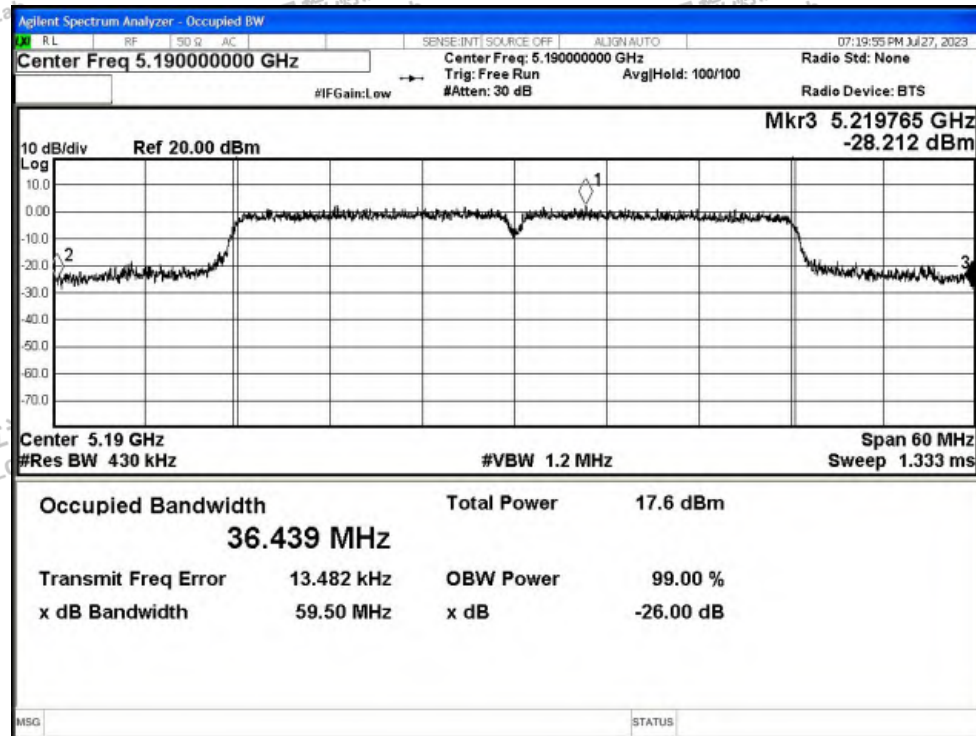
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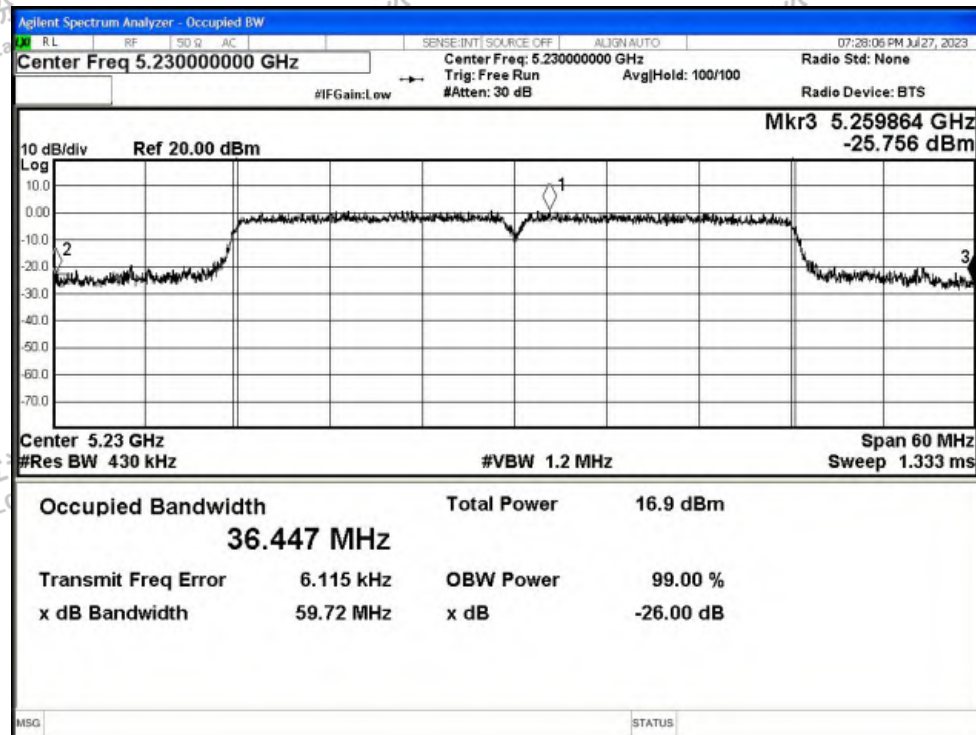
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-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1



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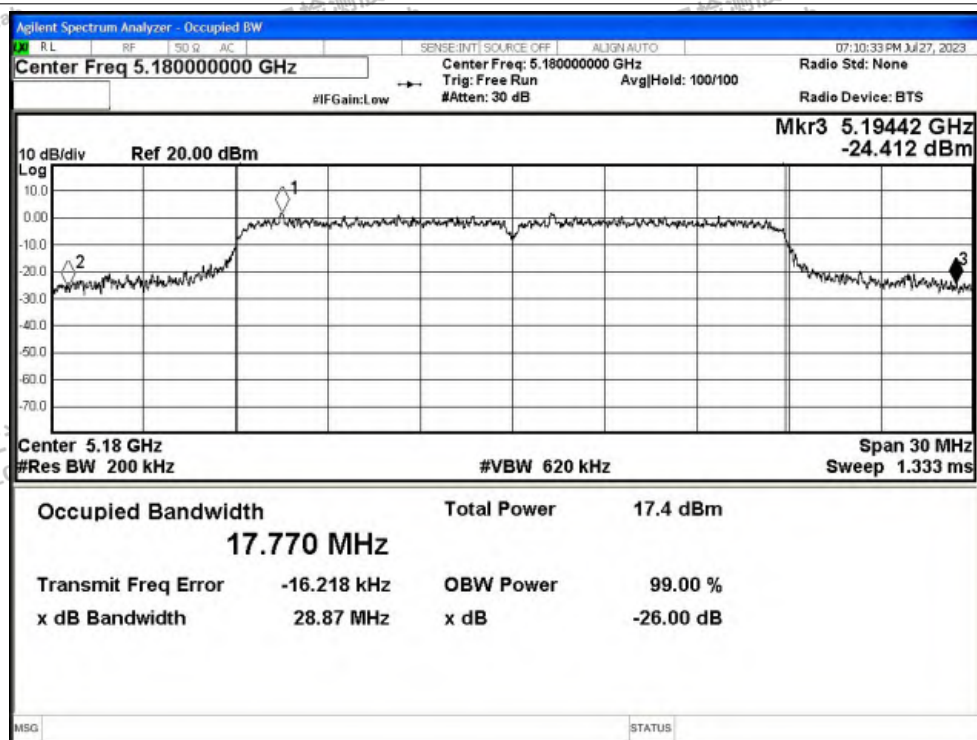
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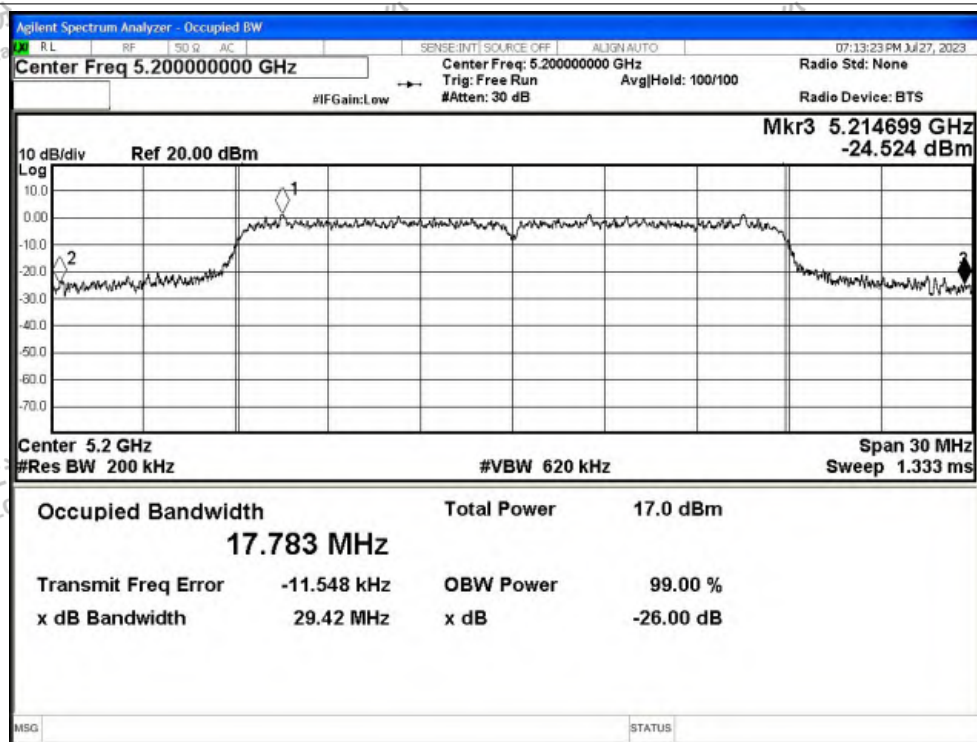
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-26dB Bandwidth NVNT ac20 5180MHz Ant1



-26dB Bandwidth NVNT ac20 5200MHz Ant1



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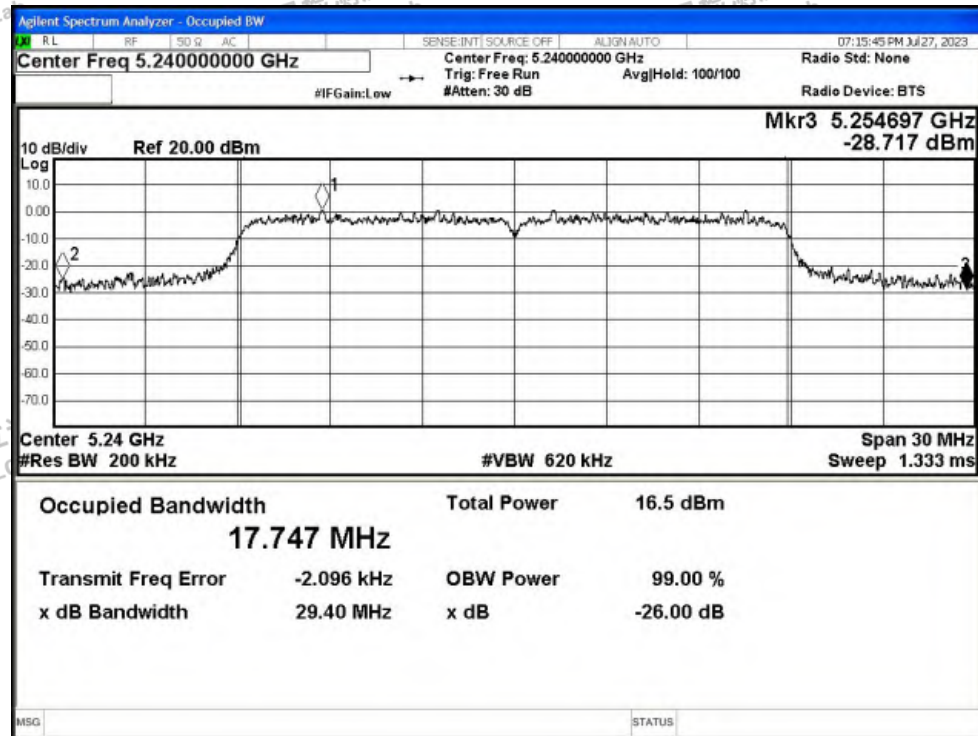
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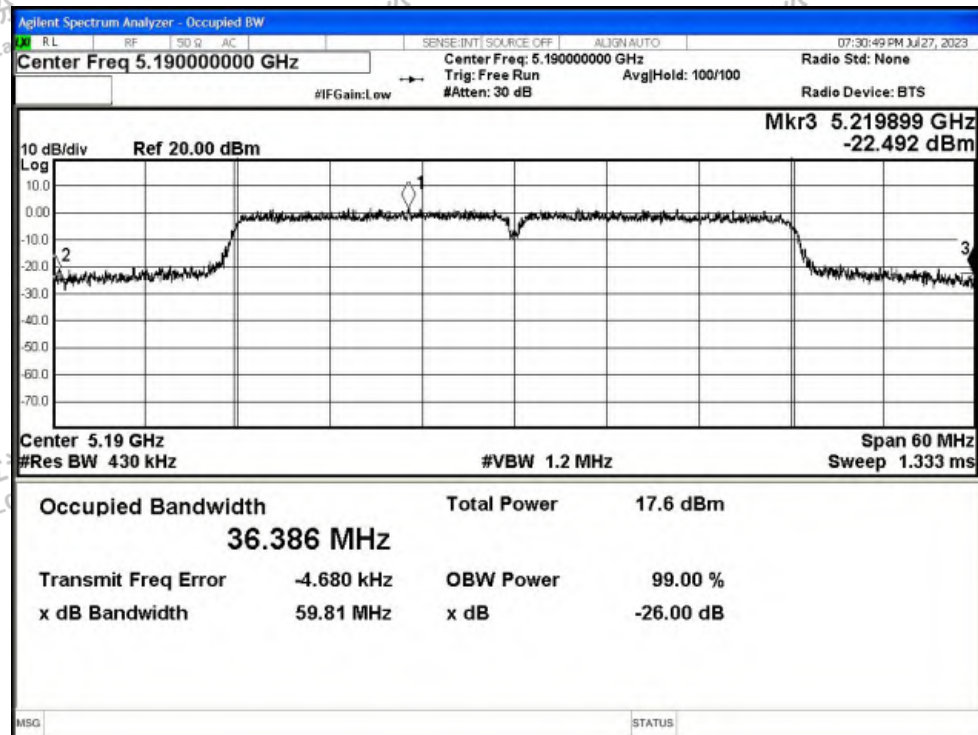
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-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ac40 5190MHz Ant1



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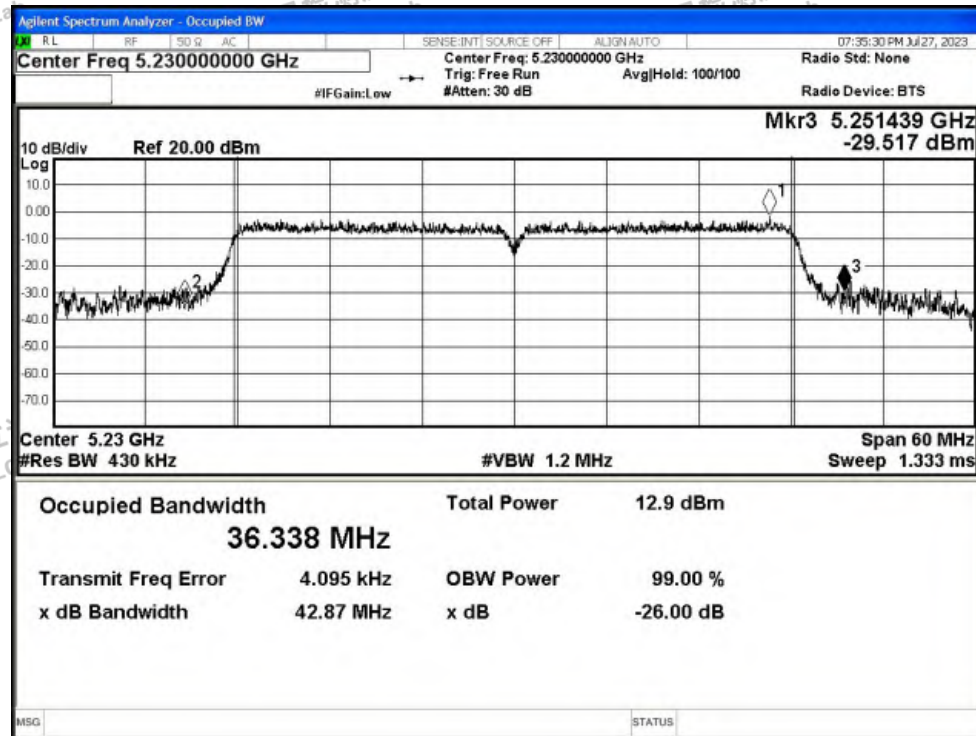
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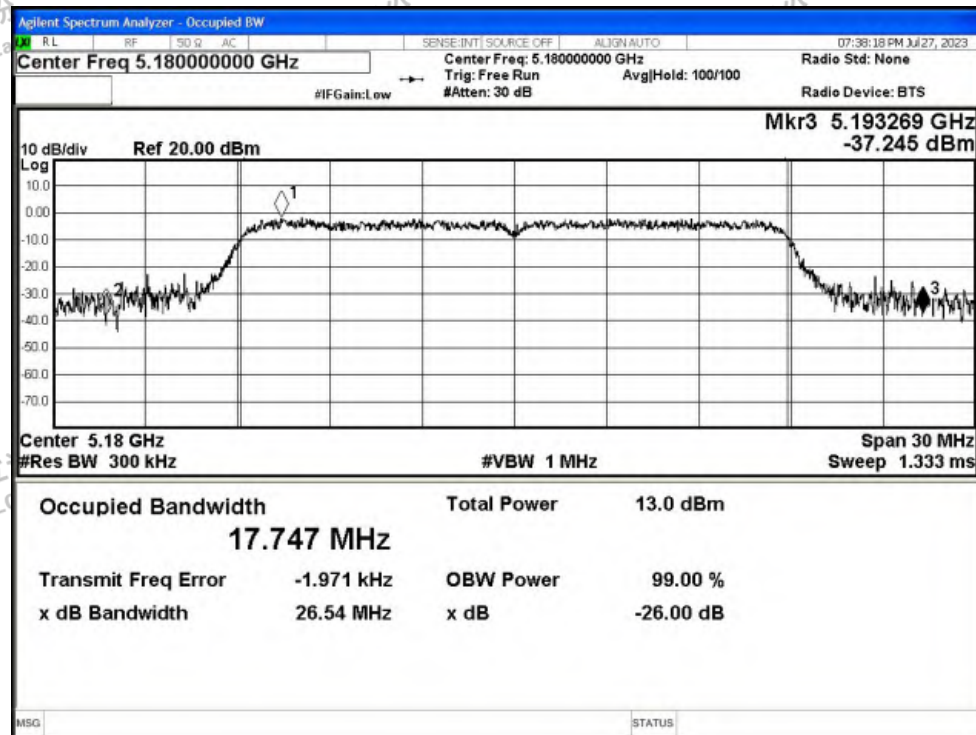
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-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ax20 5180MHz Ant1



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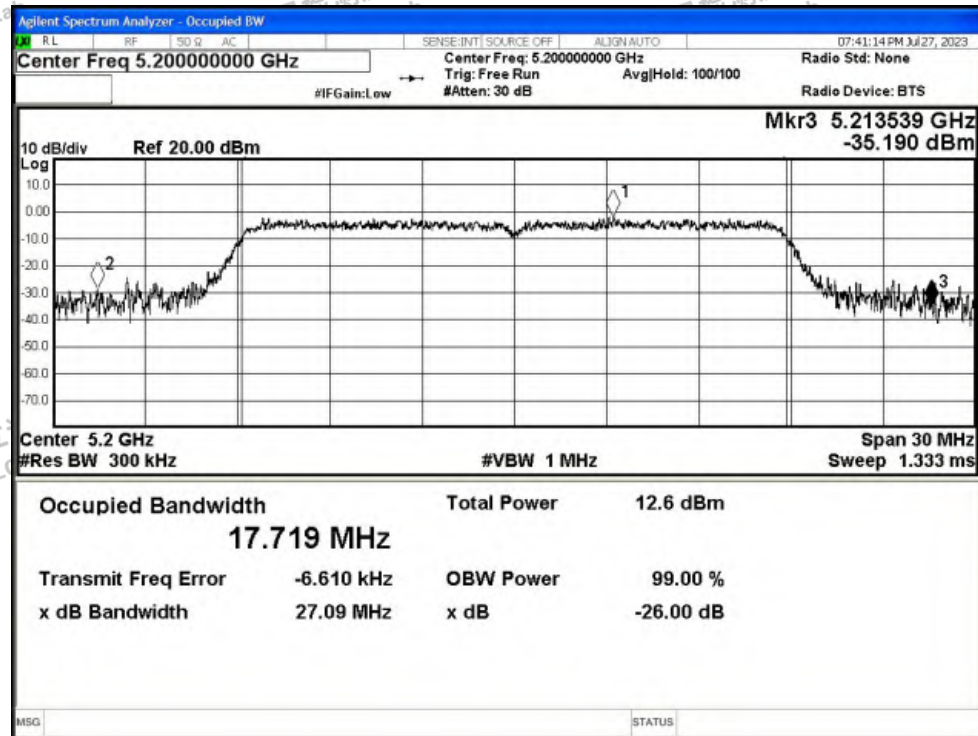
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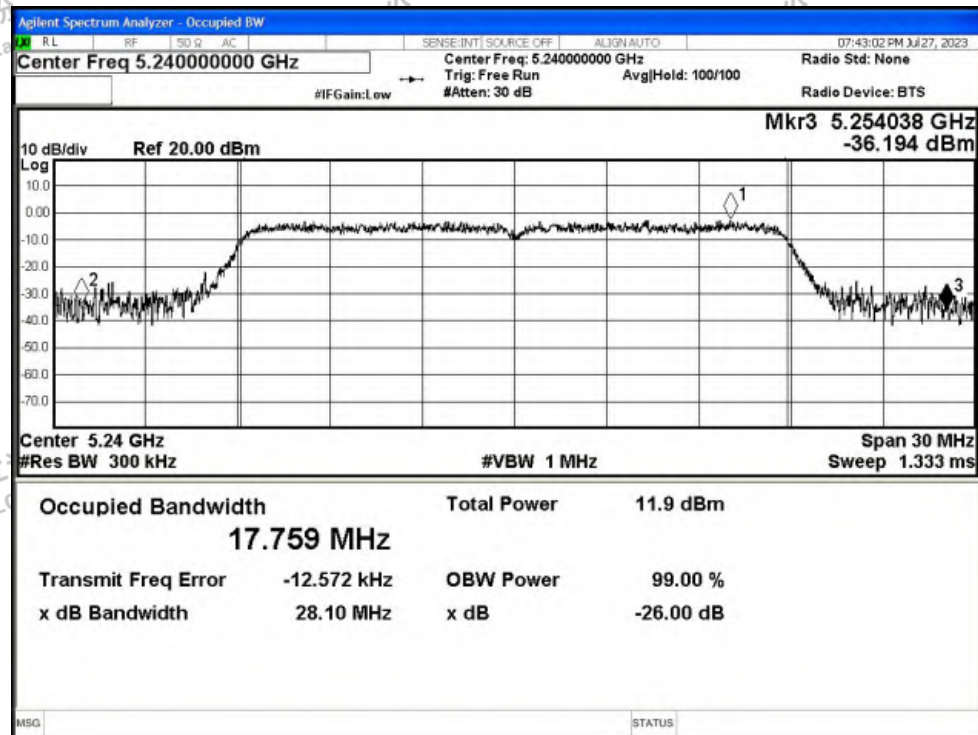
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-26dB Bandwidth NVNT ax20 5200MHz Ant1



-26dB Bandwidth NVNT ax20 5240MHz Ant1



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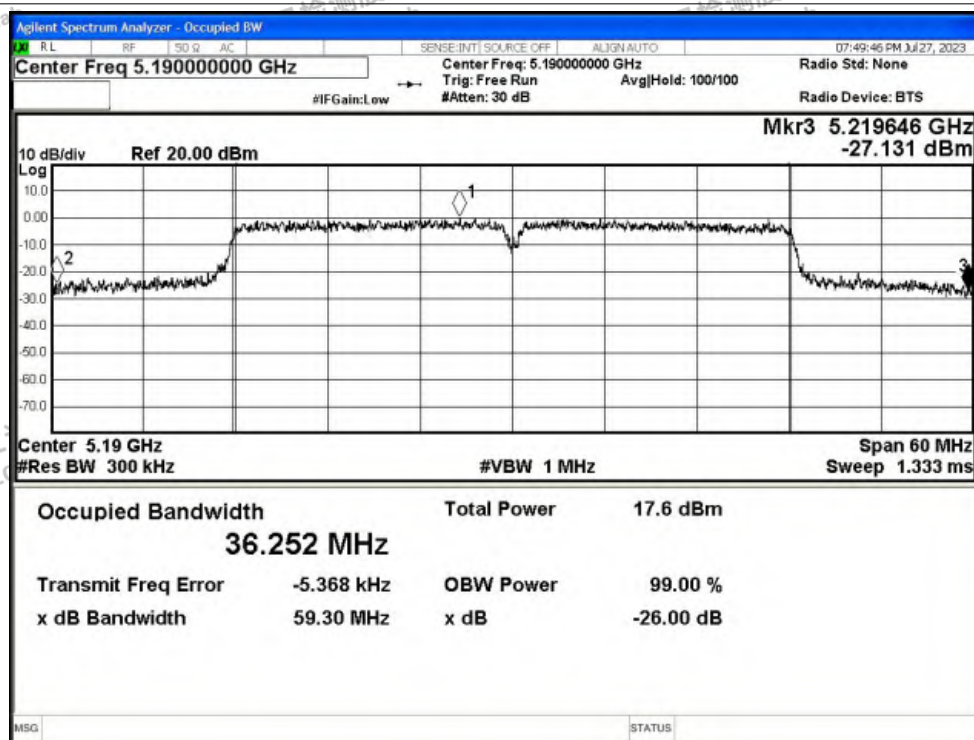
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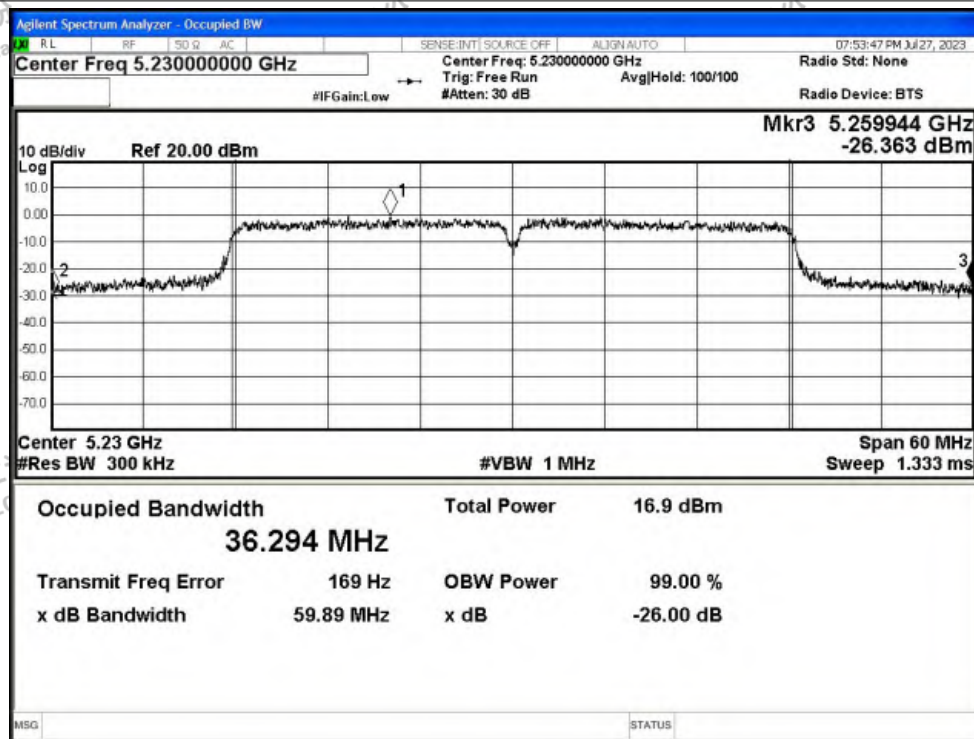
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-26dB Bandwidth NVNT ax40 5190MHz Ant1



-26dB Bandwidth NVNT ax40 5230MHz Ant1



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D.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.39	0.86	12.25	24	Pass
NVNT	a	5200	Ant1	11.11	0.6	11.71	24	Pass
NVNT	a	5240	Ant1	10.26	0.6	10.86	24	Pass
NVNT	n20	5180	Ant1	11.31	0.83	12.14	24	Pass
NVNT	n20	5200	Ant1	11.01	0.6	11.61	24	Pass
NVNT	n20	5240	Ant1	10.18	0.6	10.78	24	Pass
NVNT	n40	5190	Ant1	10.89	1.13	12.02	24	Pass
NVNT	n40	5230	Ant1	10.23	1.08	11.31	24	Pass
NVNT	ac20	5180	Ant1	11.36	0.6	11.96	24	Pass
NVNT	ac20	5200	Ant1	10.94	0.74	11.68	24	Pass
NVNT	ac20	5240	Ant1	10.2	0.6	10.8	24	Pass
NVNT	ac40	5190	Ant1	11.05	1.11	12.16	24	Pass
NVNT	ac40	5230	Ant1	6.29	1.07	7.36	24	Pass
NVNT	ax20	5180	Ant1	11.37	0.6	11.97	24	Pass
NVNT	ax20	5200	Ant1	10.86	0.13	10.99	24	Pass
NVNT	ax20	5240	Ant1	10.29	0.6	10.89	24	Pass
NVNT	ax40	5190	Ant1	10.89	1.12	12.01	24	Pass
NVNT	ax40	5230	Ant1	10.39	1.11	11.5	24	Pass



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D.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-3.84	0.86	-2.98	11	Pass
NVNT	a	5200	Ant1	-5.04	0.6	-4.44	11	Pass
NVNT	a	5240	Ant1	-7.45	0.6	-6.85	11	Pass
NVNT	n20	5180	Ant1	-5.72	0.83	-4.89	11	Pass
NVNT	n20	5200	Ant1	-5.01	0.6	-4.41	11	Pass
NVNT	n20	5240	Ant1	-6.82	0.6	-6.22	11	Pass
NVNT	n40	5190	Ant1	-12.83	1.13	-11.7	11	Pass
NVNT	n40	5230	Ant1	-12.98	1.08	-11.9	11	Pass
NVNT	ac20	5180	Ant1	-3.82	0.6	-3.22	11	Pass
NVNT	ac20	5200	Ant1	-7.56	0.74	-6.82	11	Pass
NVNT	ac20	5240	Ant1	-7.63	0.6	-7.03	11	Pass
NVNT	ac40	5190	Ant1	-13.68	1.11	-12.57	11	Pass
NVNT	ac40	5230	Ant1	-17.24	1.07	-16.17	11	Pass
NVNT	ax20	5180	Ant1	-6.73	0.6	-6.13	11	Pass
NVNT	ax20	5200	Ant1	-4.97	0.13	-4.84	11	Pass
NVNT	ax20	5240	Ant1	-6.66	0.6	-6.06	11	Pass
NVNT	ax40	5190	Ant1	-12.5	1.12	-11.38	11	Pass
NVNT	ax40	5230	Ant1	-12.48	1.11	-11.37	11	Pass



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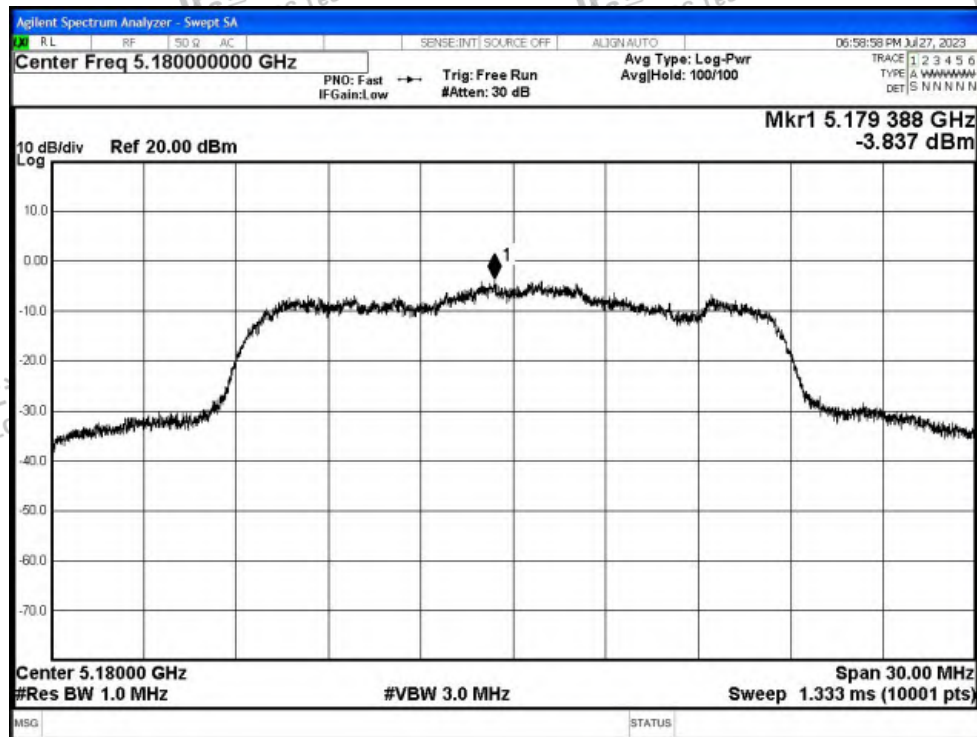
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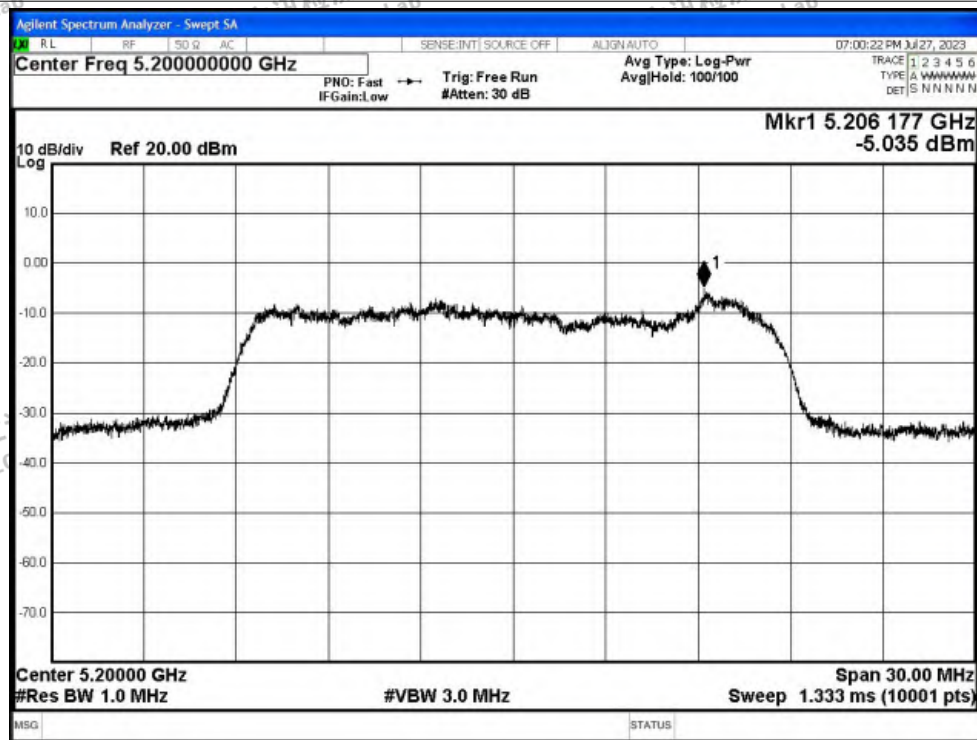


Test Graphs

PSD NVNT a 5180MHz Ant1



PSD NVNT a 5200MHz Ant1



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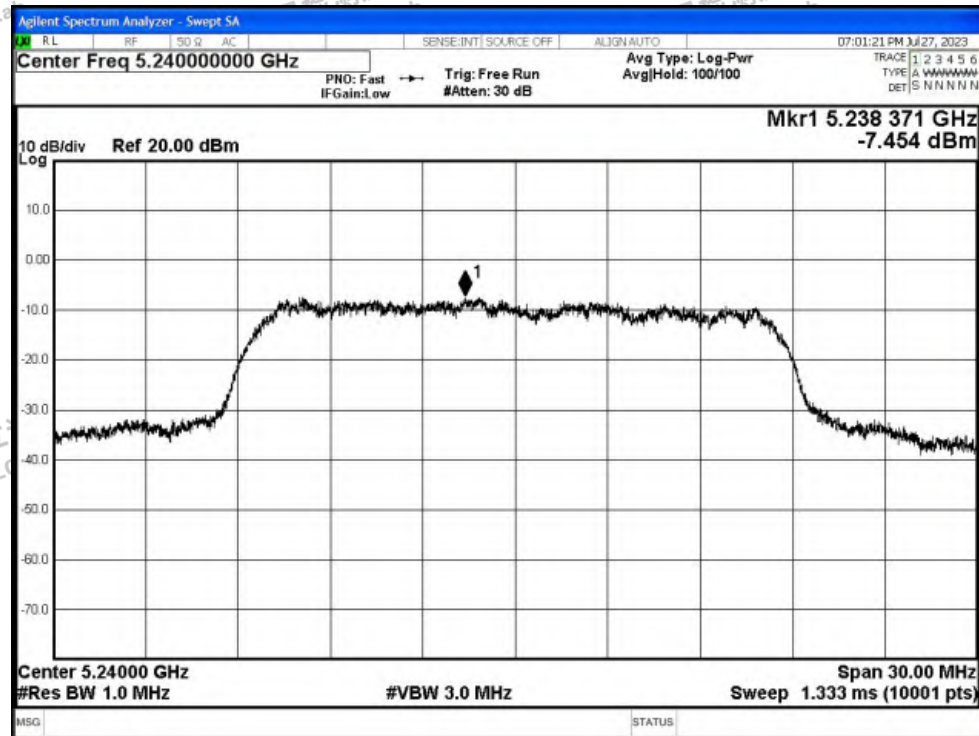
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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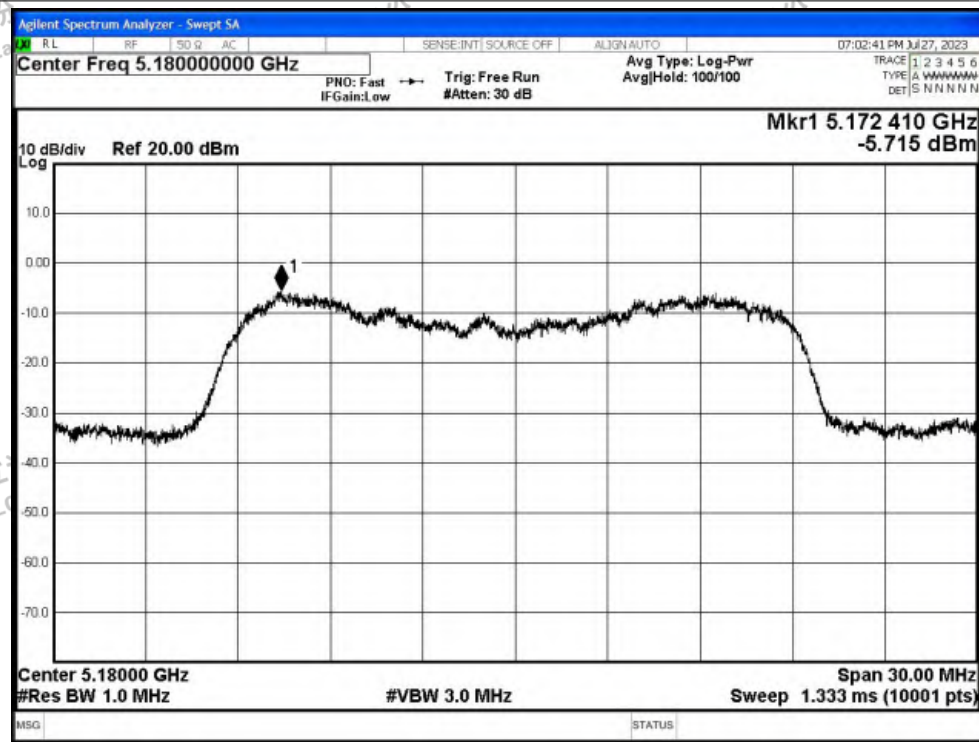
Scan code to check authenticity



PSD NVNT a 5240MHz Ant1



PSD NVNT n20 5180MHz Ant1



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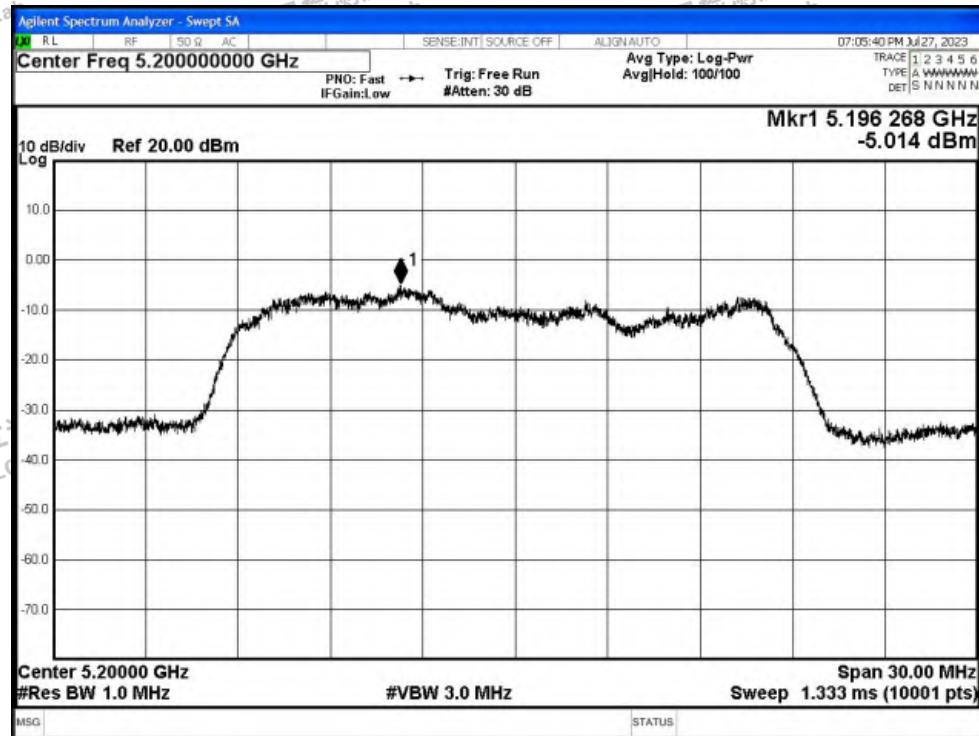
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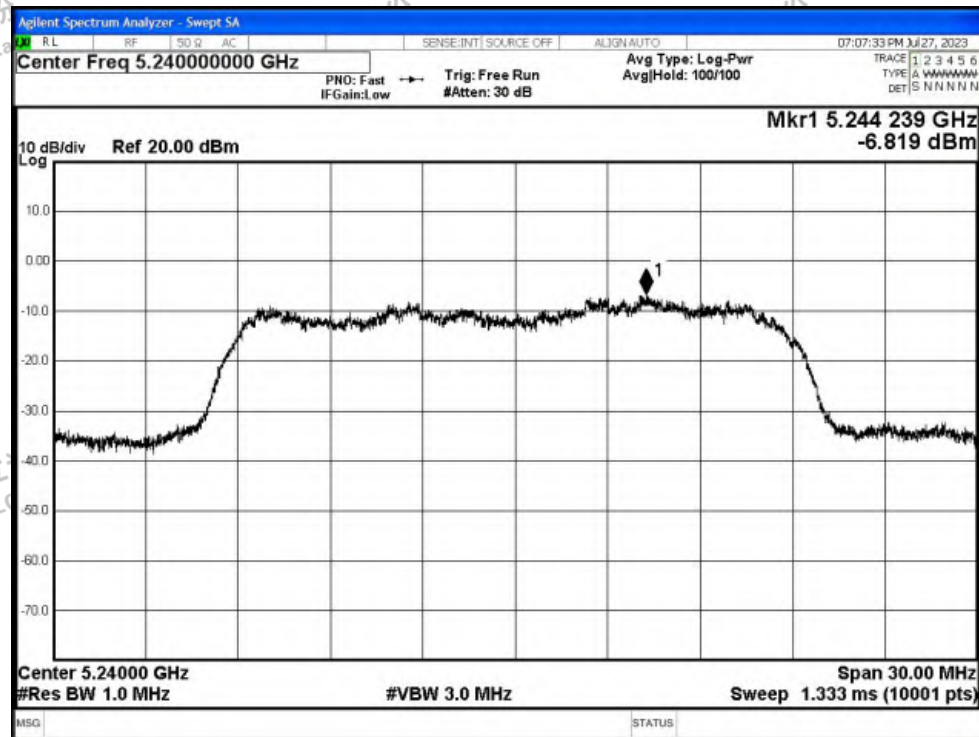
Scan code to check authenticity



PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



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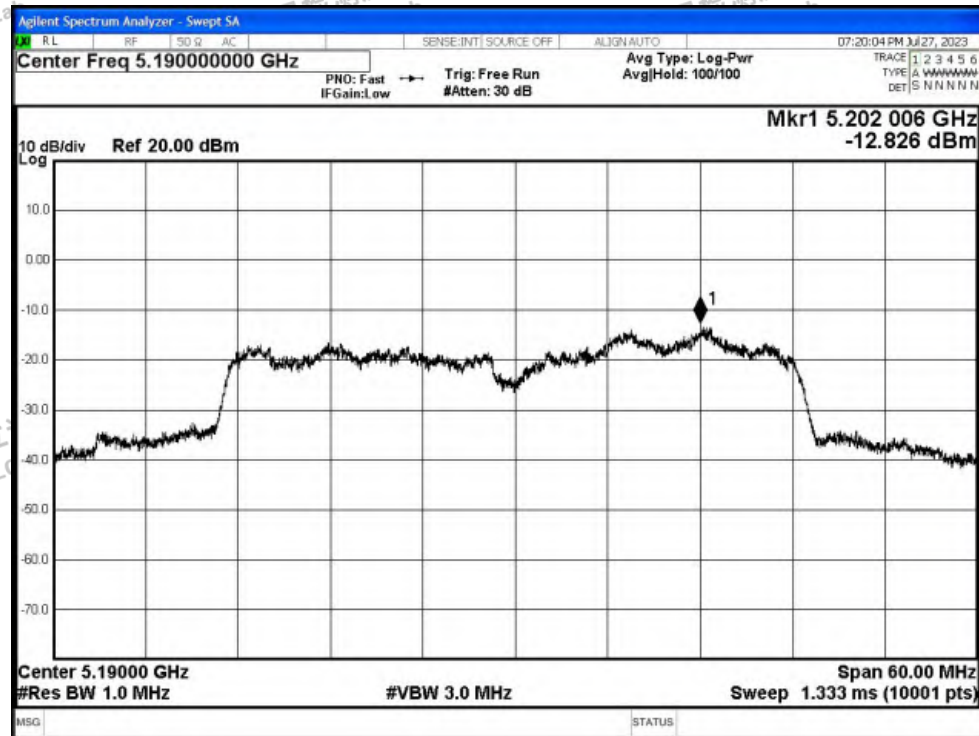
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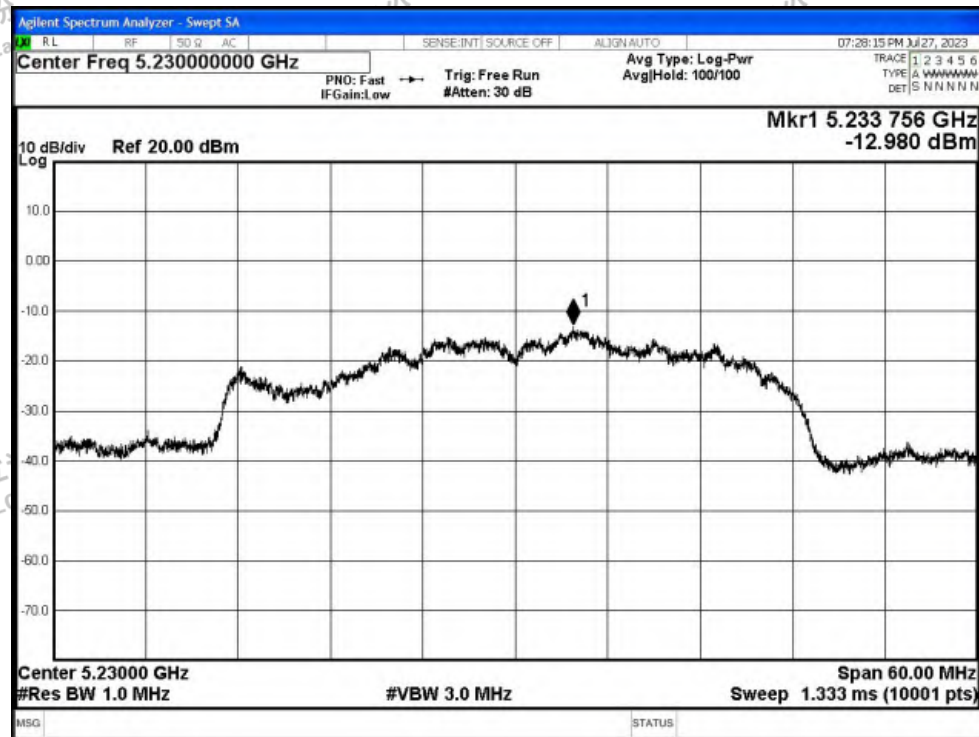
Scan code to check authenticity



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1



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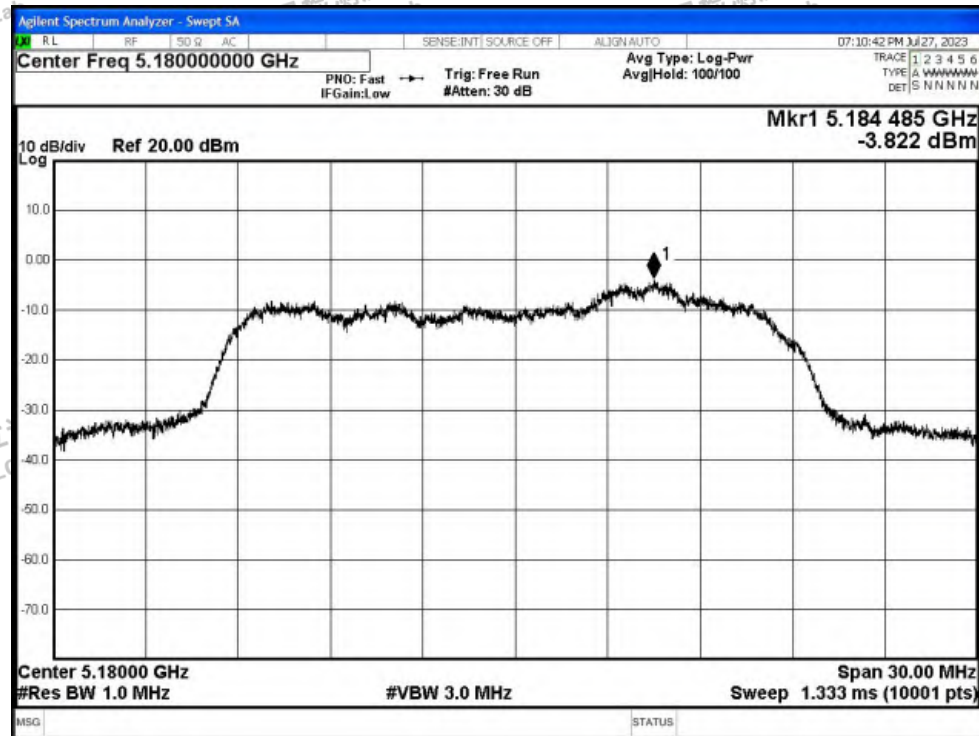
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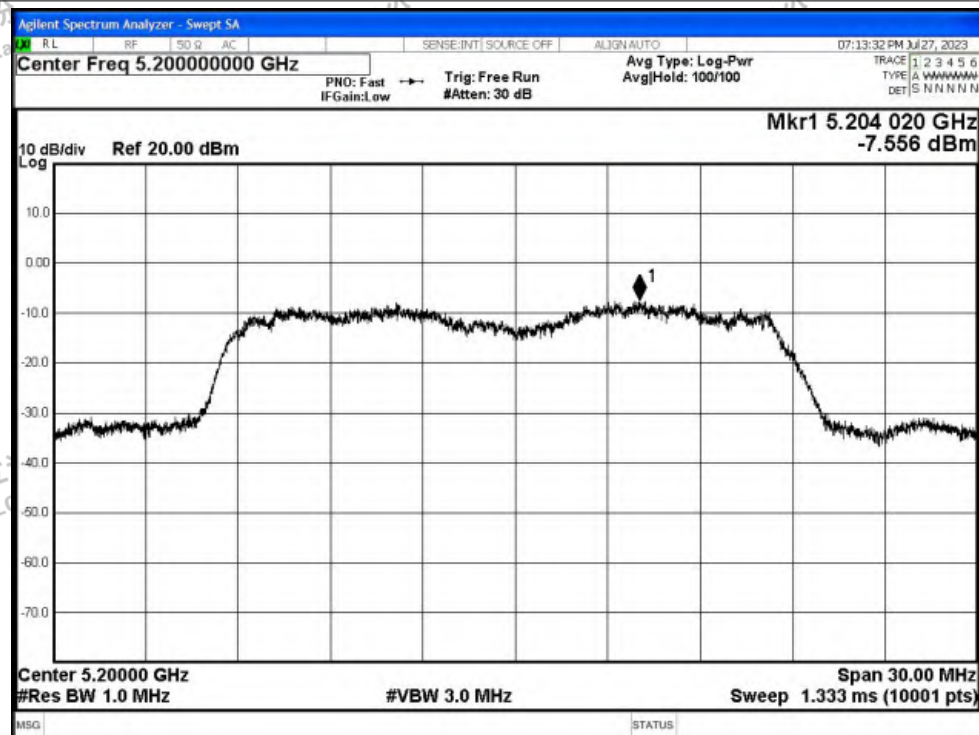
Scan code to check authenticity



PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5200MHz Ant1



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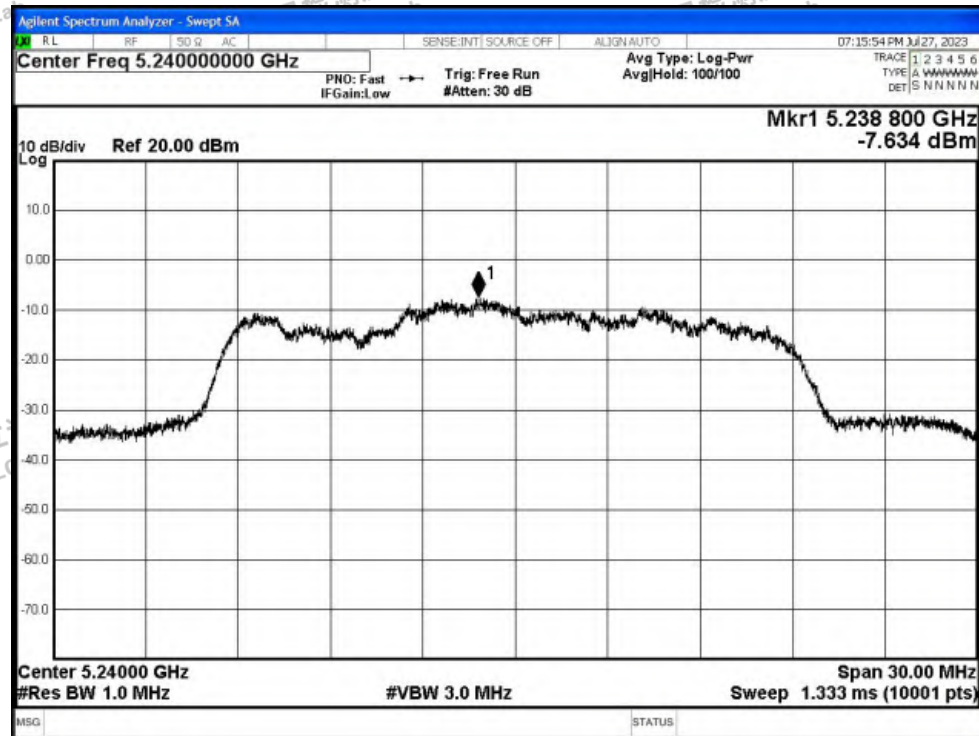
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PSD NVNT ac20 5240MHz Ant1



PSD NVNT ac40 5190MHz Ant1



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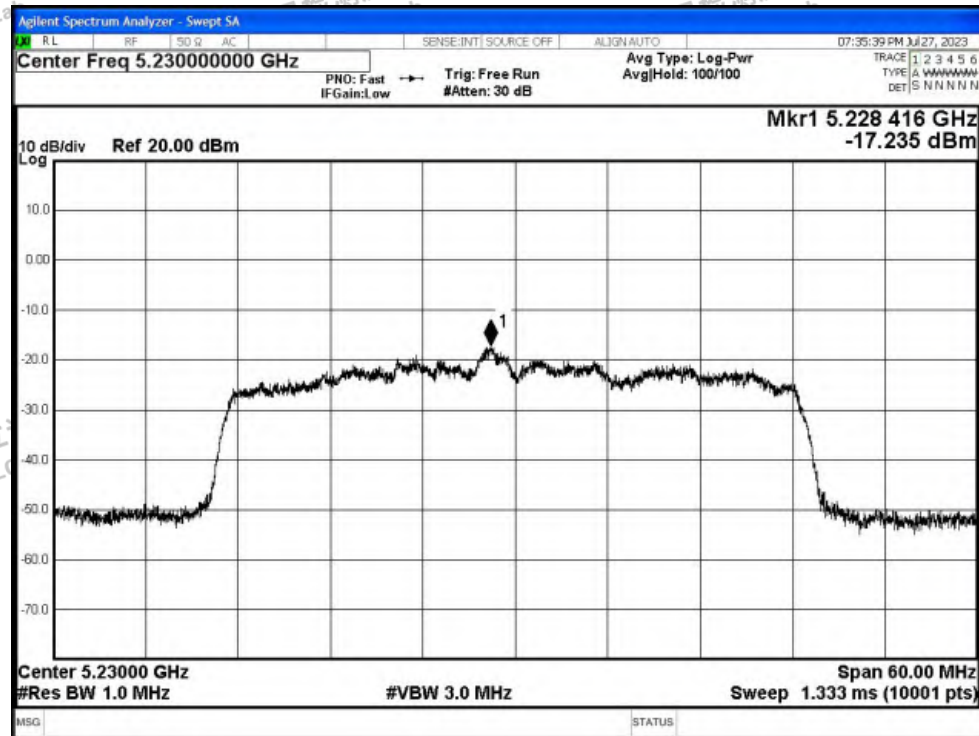
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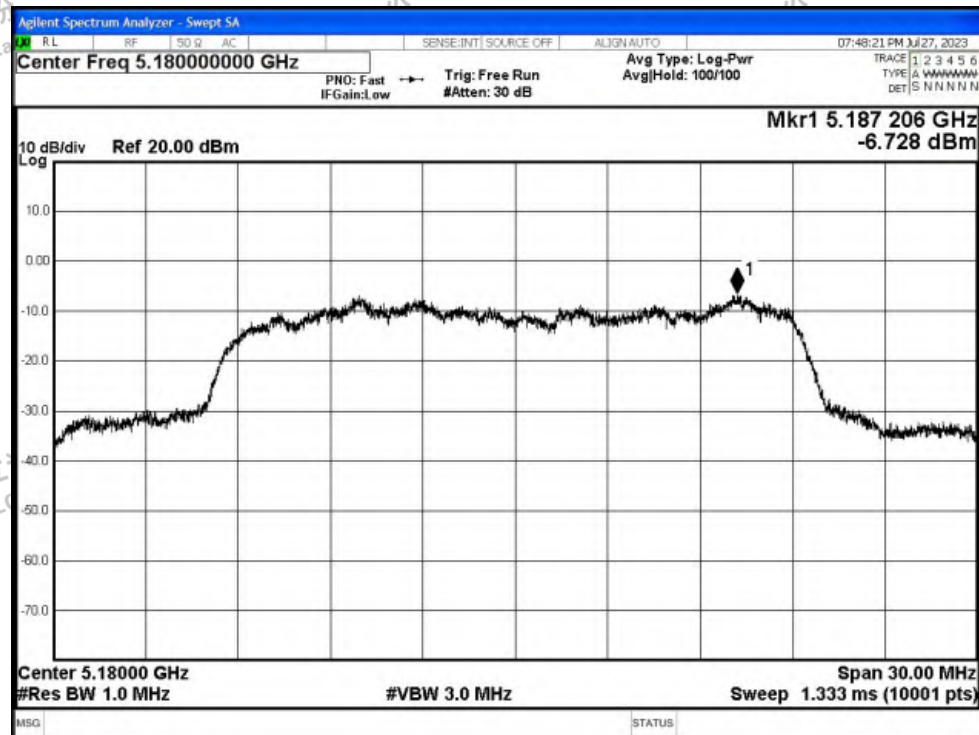
Scan code to check authenticity



PSD NVNT ac40 5230MHz Ant1



PSD NVNT ax20 5180MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

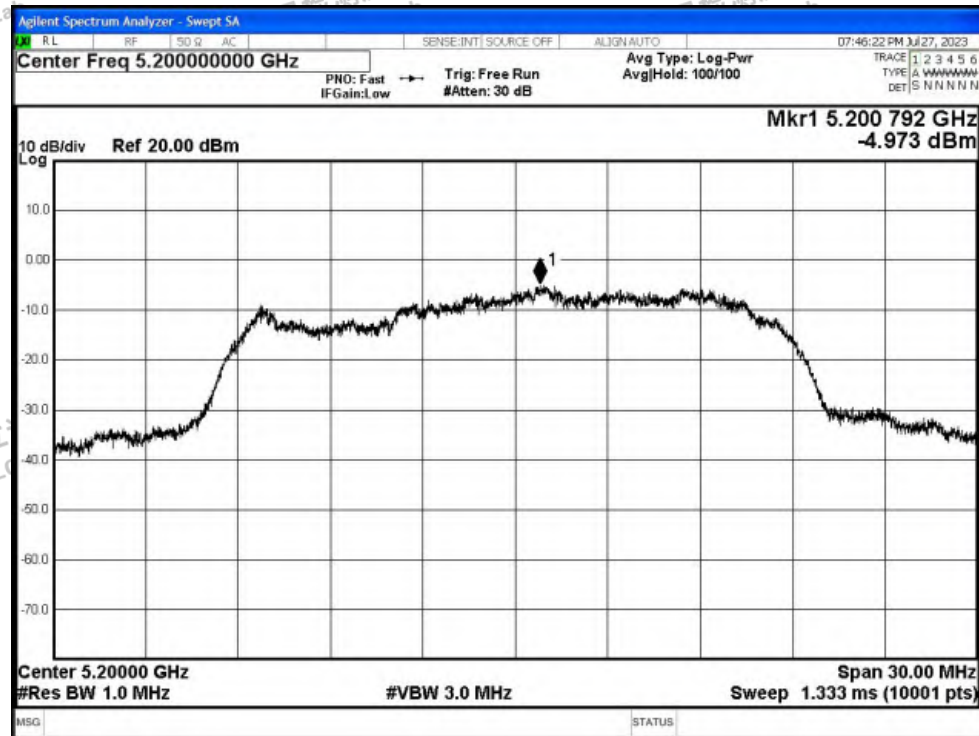
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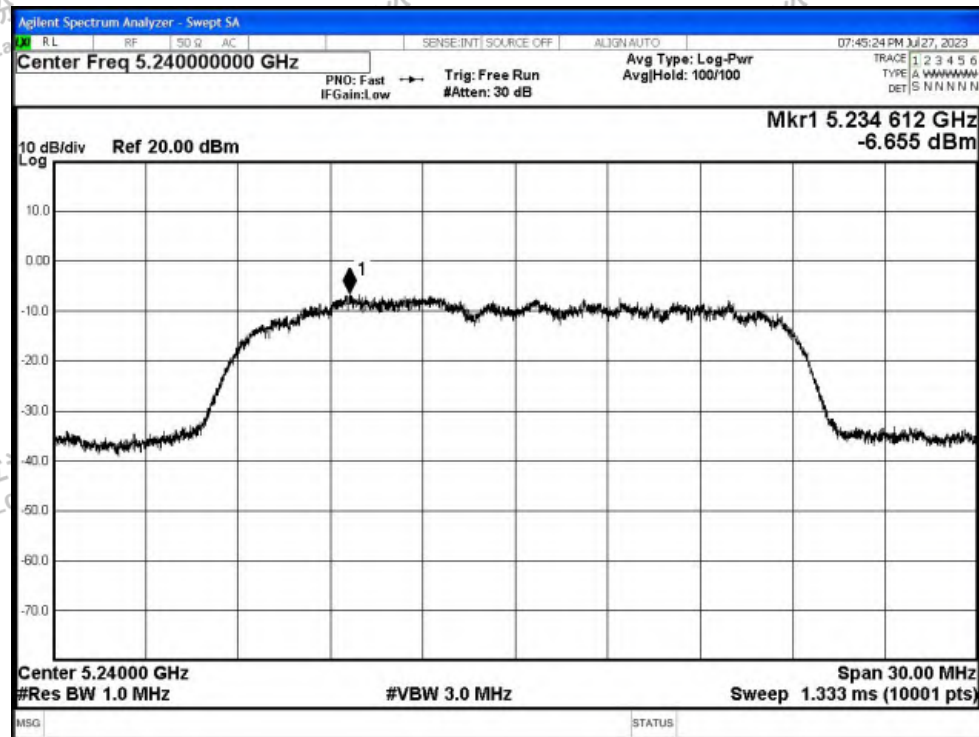
Scan code to check authenticity



PSD NVNT ax20 5200MHz Ant1



PSD NVNT ax20 5240MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

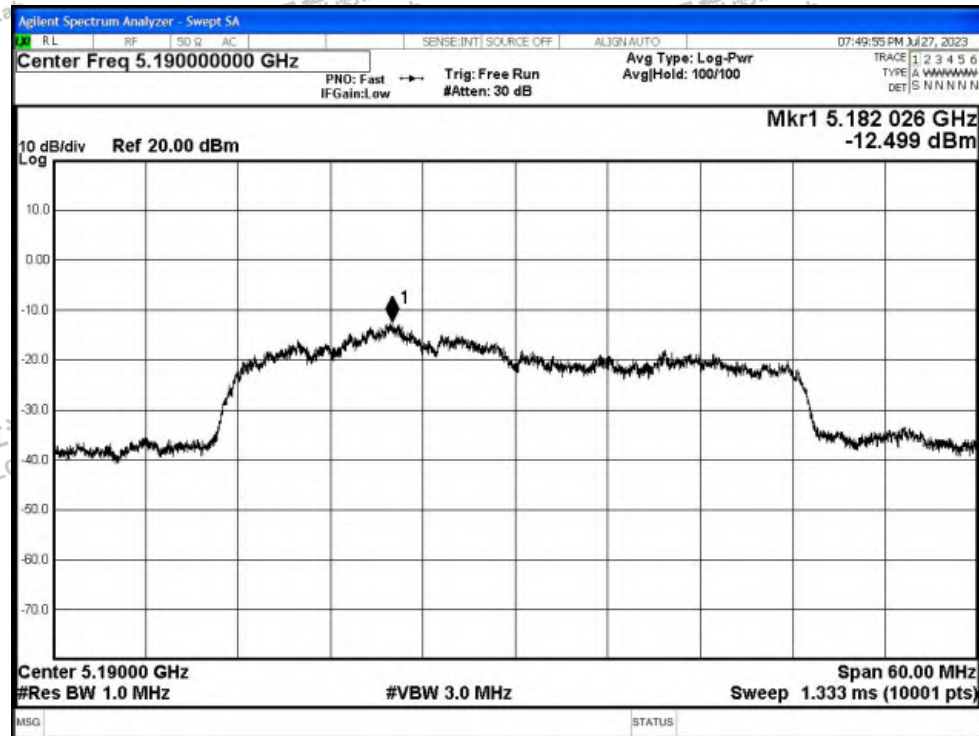
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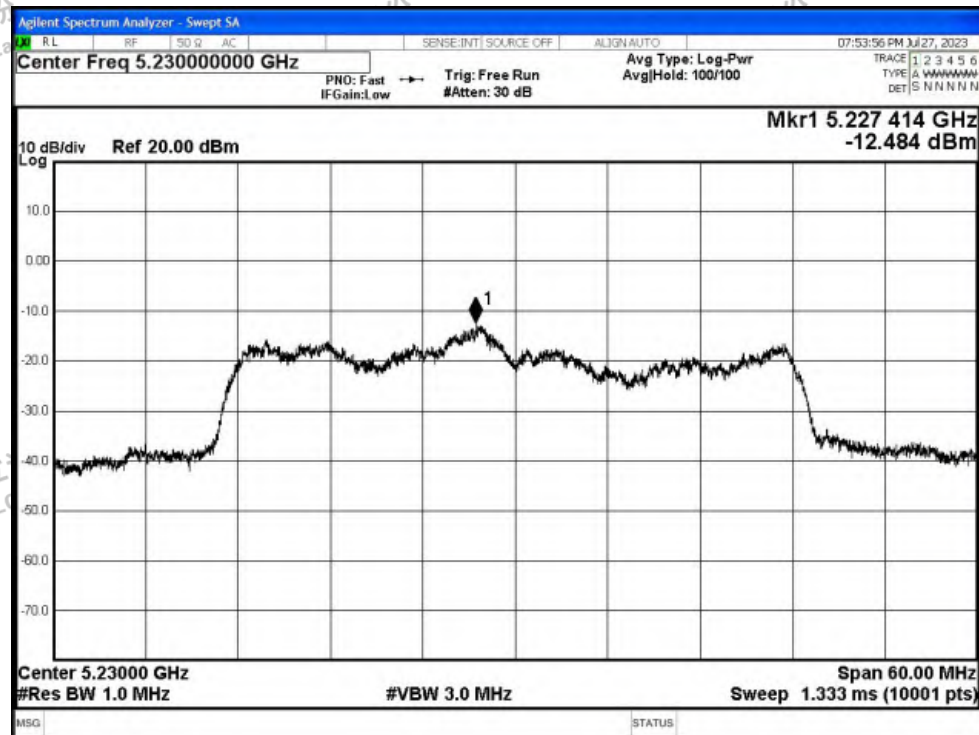
Scan code to check authenticity



PSD NVNT ax40 5190MHz Ant1



PSD NVNT ax40 5230MHz Ant1



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D.4 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	Ant1	4500	-51.16	3.62	47.69	Peak	68.2	Pass
NVNT	a	5180	Ant1	4500	-60.68	3.62	38.17	Average	54	Pass
NVNT	a	5180	Ant1	5143.3	-34.82	3.62	64.03	Peak	68.2	Pass
NVNT	a	5180	Ant1	5149.6	-49.2	3.62	49.65	Average	54	Pass
NVNT	a	5180	Ant1	5150	-35.52	3.62	63.33	Peak	68.2	Pass
NVNT	a	5180	Ant1	5150	-48.69	3.62	50.16	Average	54	Pass
NVNT	a	5240	Ant1	5350	-50.23	3.62	48.62	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350	-59.42	3.62	39.43	Average	54	Pass
NVNT	a	5240	Ant1	5414.4	-47.31	3.62	51.54	Peak	68.2	Pass
NVNT	a	5240	Ant1	5355.36	-59.09	3.62	39.76	Average	54	Pass
NVNT	a	5240	Ant1	5460	-50.86	3.62	47.99	Peak	68.2	Pass
NVNT	a	5240	Ant1	5460	-59.73	3.62	39.12	Average	54	Pass
NVNT	n20	5180	Ant1	4500	-52.47	3.62	46.38	Peak	68.2	Pass
NVNT	n20	5180	Ant1	4500	-60.61	3.62	38.24	Average	54	Pass
NVNT	n20	5180	Ant1	5147.5	-34.64	3.62	64.21	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5149.6	-48.93	3.62	49.92	Average	54	Pass
NVNT	n20	5180	Ant1	5150	-33.53	3.62	65.32	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5150	-48.84	3.62	50.01	Average	54	Pass
NVNT	n20	5240	Ant1	5350	-49.07	3.62	49.78	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350	-59.3	3.62	39.55	Average	54	Pass
NVNT	n20	5240	Ant1	5414.88	-47	3.62	51.85	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5351.28	-59.22	3.62	39.63	Average	54	Pass
NVNT	n20	5240	Ant1	5460	-49.38	3.62	49.47	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5460	-59.77	3.62	39.08	Average	54	Pass
NVNT	n40	5190	Ant1	4500	-50.23	3.62	48.62	Peak	68.2	Pass
NVNT	n40	5190	Ant1	4500	-60.4	3.62	38.45	Average	54	Pass
NVNT	n40	5190	Ant1	5148.24	-32.53	3.62	66.32	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5149.7	-49.37	3.62	49.48	Average	54	Pass
NVNT	n40	5190	Ant1	5150	-34.98	3.62	63.87	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5150	-49.37	3.62	49.48	Average	54	Pass
NVNT	n40	5230	Ant1	5350	-49.76	3.62	49.09	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350	-59.14	3.62	39.71	Average	54	Pass
NVNT	n40	5230	Ant1	5427.87	-47.43	3.62	51.42	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5367.93	-58.72	3.62	40.13	Average	54	Pass
NVNT	n40	5230	Ant1	5460	-50.64	3.62	48.21	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5460	-59.75	3.62	39.10	Average	54	Pass
NVNT	ac20	5180	Ant1	4500	-50.01	3.62	48.84	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	4500	-60.78	3.62	38.07	Average	54	Pass



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NVNT	ac20	5180	Ant1	5147.5	-34.21	3.62	64.64	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5149.6	-49.17	3.62	49.68	Average	54	Pass
NVNT	ac20	5180	Ant1	5150	-37.28	3.62	61.57	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5150	-48.85	3.62	50.00	Average	54	Pass
NVNT	ac20	5240	Ant1	5350	-50.62	3.62	48.23	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350	-59.2	3.62	39.65	Average	54	Pass
NVNT	ac20	5240	Ant1	5378.16	-46.8	3.62	52.05	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350.56	-59.17	3.62	39.68	Average	54	Pass
NVNT	ac20	5240	Ant1	5460	-51.13	3.62	47.72	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5460	-59.96	3.62	38.89	Average	54	Pass
NVNT	ac40	5190	Ant1	4500	-51.66	3.62	47.19	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	4500	-60.3	3.62	38.55	Average	54	Pass
NVNT	ac40	5190	Ant1	5148.97	-34.46	3.62	64.39	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5149.7	-49.06	3.62	49.79	Average	54	Pass
NVNT	ac40	5190	Ant1	5150	-34.61	3.62	64.24	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5150	-49.06	3.62	49.79	Average	54	Pass
NVNT	ac40	5230	Ant1	5350	-51.11	3.62	47.74	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350	-59.07	3.62	39.78	Average	54	Pass
NVNT	ac40	5230	Ant1	5445.69	-47.4	3.62	51.45	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5398.71	-58.93	3.62	39.92	Average	54	Pass
NVNT	ac40	5230	Ant1	5460	-50.75	3.62	48.10	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5460	-59.65	3.62	39.20	Average	54	Pass
NVNT	ax20	5180	Ant1	4500	-51	3.62	47.85	Peak	68.2	Pass
NVNT	ax20	5180	Ant1	4500	-60.57	3.62	38.28	Average	54	Pass
NVNT	ax20	5180	Ant1	5148.9	-39.92	3.62	58.93	Peak	68.2	Pass
NVNT	ax20	5180	Ant1	5149.6	-54.67	3.62	44.18	Average	54	Pass
NVNT	ax20	5180	Ant1	5150	-41.42	3.62	57.43	Peak	68.2	Pass
NVNT	ax20	5180	Ant1	5150	-54.58	3.62	44.27	Average	54	Pass
NVNT	ax20	5240	Ant1	5350	-50.39	3.62	48.46	Peak	68.2	Pass
NVNT	ax20	5240	Ant1	5350	-59.57	3.62	39.28	Average	54	Pass
NVNT	ax20	5240	Ant1	5381.76	-47.49	3.62	51.36	Peak	68.2	Pass
NVNT	ax20	5240	Ant1	5353.44	-59.32	3.62	39.53	Average	54	Pass
NVNT	ax20	5240	Ant1	5460	-49.21	3.62	49.64	Peak	68.2	Pass
NVNT	ax20	5240	Ant1	5460	-59.96	3.62	38.89	Average	54	Pass
NVNT	ax40	5190	Ant1	4500	-52.02	3.62	46.83	Peak	68.2	Pass
NVNT	ax40	5190	Ant1	4500	-60.48	3.62	38.37	Average	54	Pass
NVNT	ax40	5190	Ant1	5148.97	-35.06	3.62	63.79	Peak	68.2	Pass
NVNT	ax40	5190	Ant1	5149.7	-49.31	3.62	49.54	Average	54	Pass
NVNT	ax40	5190	Ant1	5150	-38.5	3.62	60.35	Peak	68.2	Pass
NVNT	ax40	5190	Ant1	5150	-49.31	3.62	49.54	Average	54	Pass
NVNT	ax40	5230	Ant1	5350	-50.4	3.62	48.45	Peak	68.2	Pass
NVNT	ax40	5230	Ant1	5350	-58.75	3.62	40.10	Average	54	Pass



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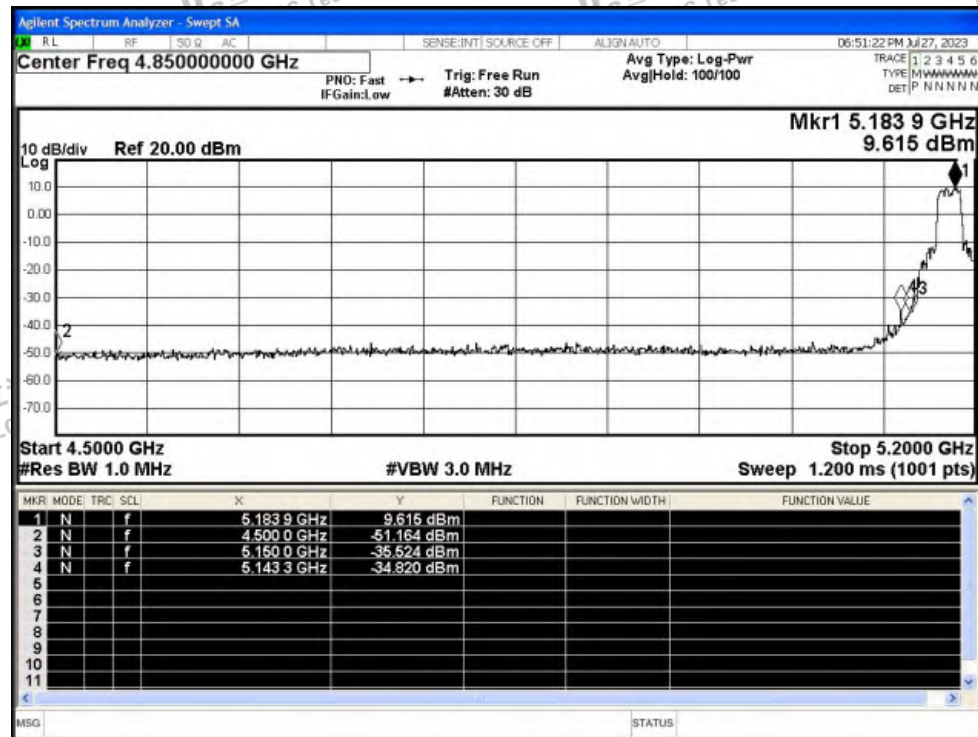
NVNT	ax40	5230	Ant1	5353.89	-47.78	3.62	51.07	Peak	68.2	Pass
NVNT	ax40	5230	Ant1	5350.11	-58.75	3.62	40.10	Average	54	Pass
NVNT	ax40	5230	Ant1	5460	-50.72	3.62	48.13	Peak	68.2	Pass
NVNT	ax40	5230	Ant1	5460	-59.49	3.62	39.36	Average	54	Pass



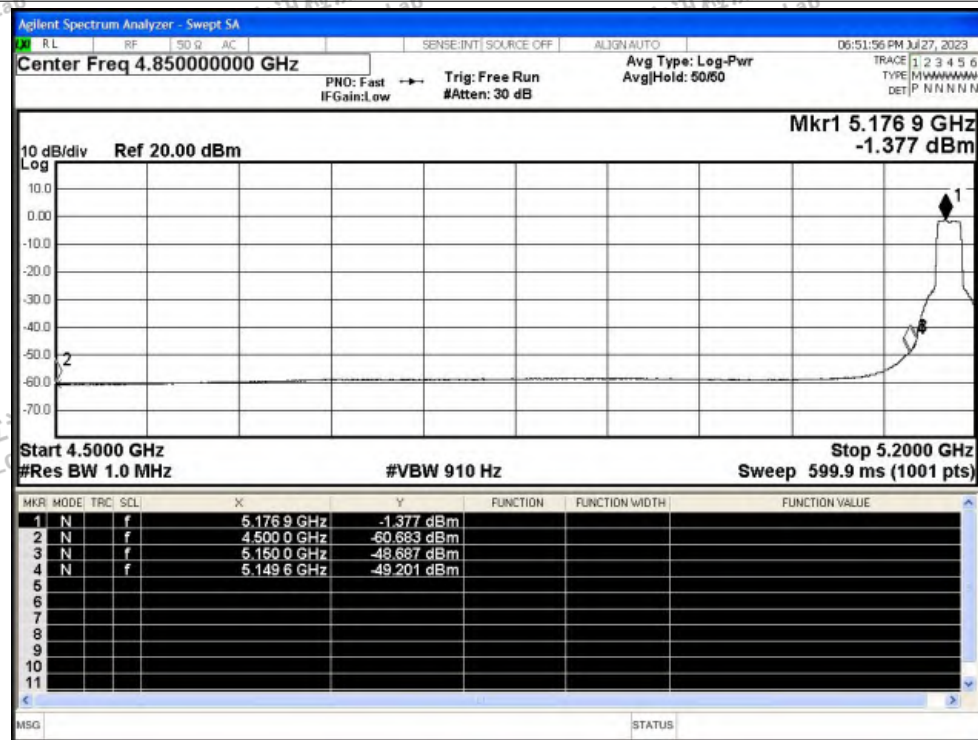


Test Graphs

Restrict Band NVNT a 5180MHz Ant1 Peak



Restrict Band NVNT a 5180MHz Ant1 Average



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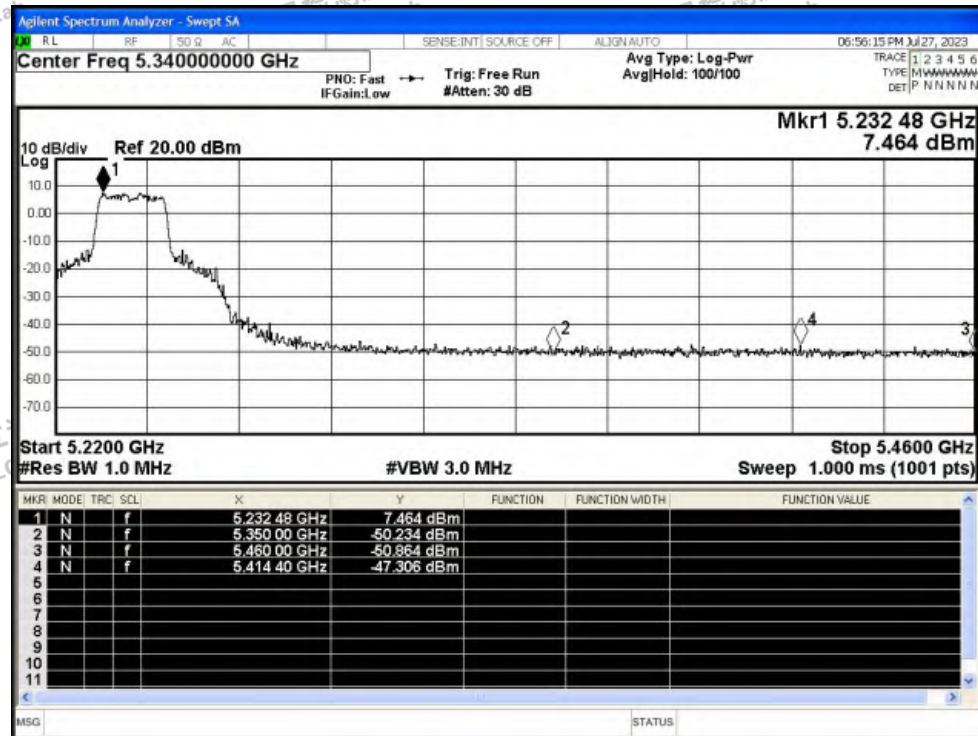
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

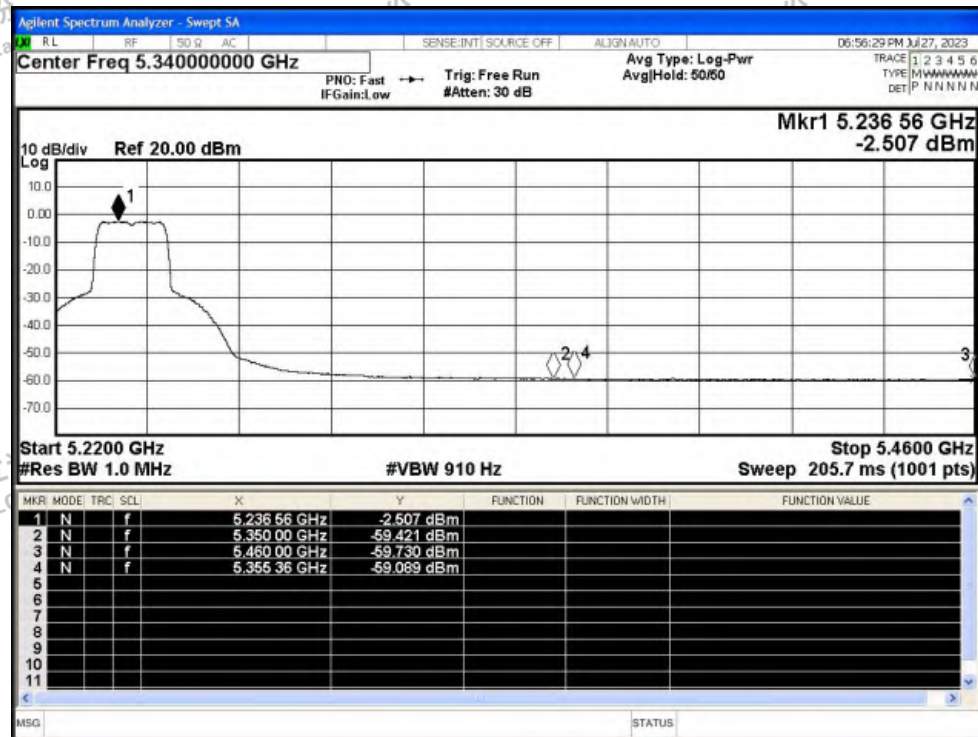
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Restrict Band NVNT a 5240MHz Ant1 Peak



Restrict Band NVNT a 5240MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

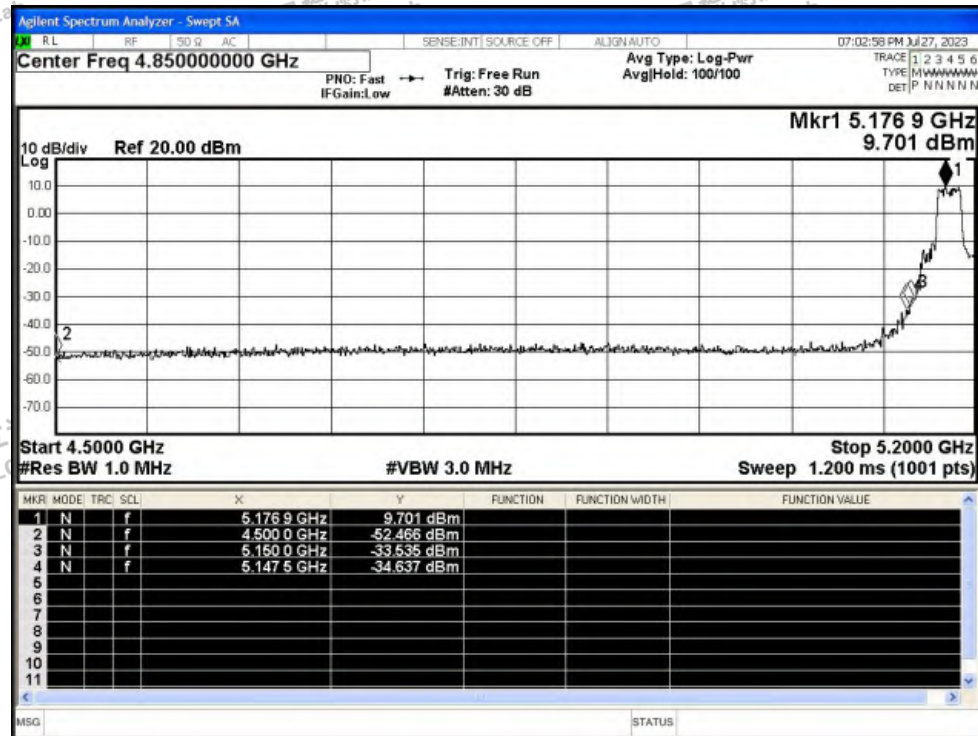
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

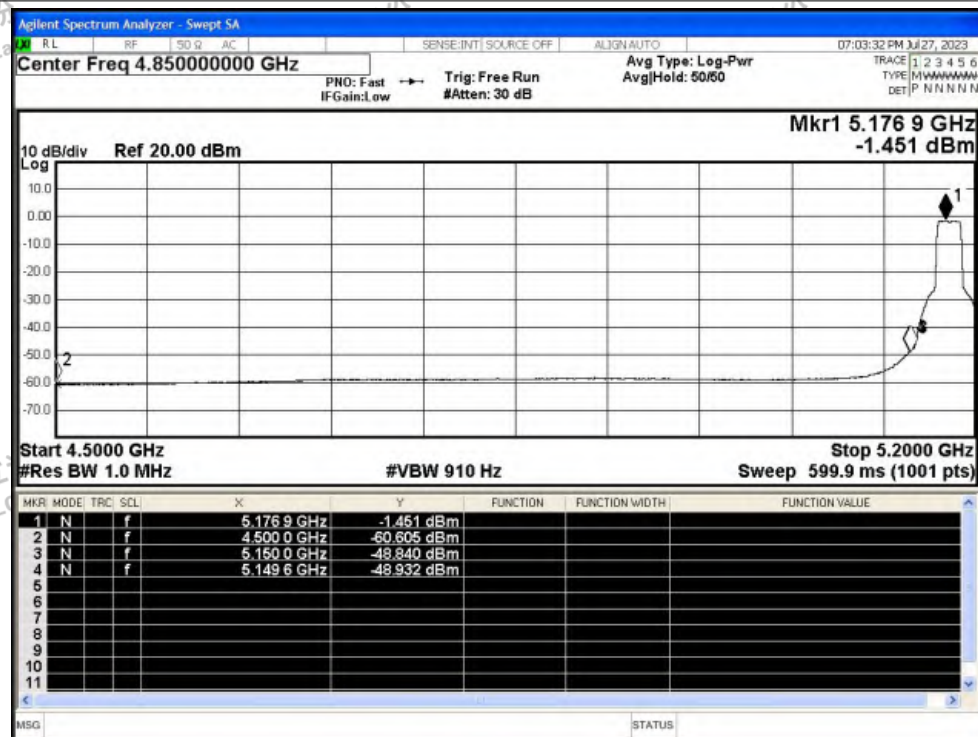
Scan code to check authenticity



Restrict Band NVNT n20 5180MHz Ant1 Peak



Restrict Band NVNT n20 5180MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

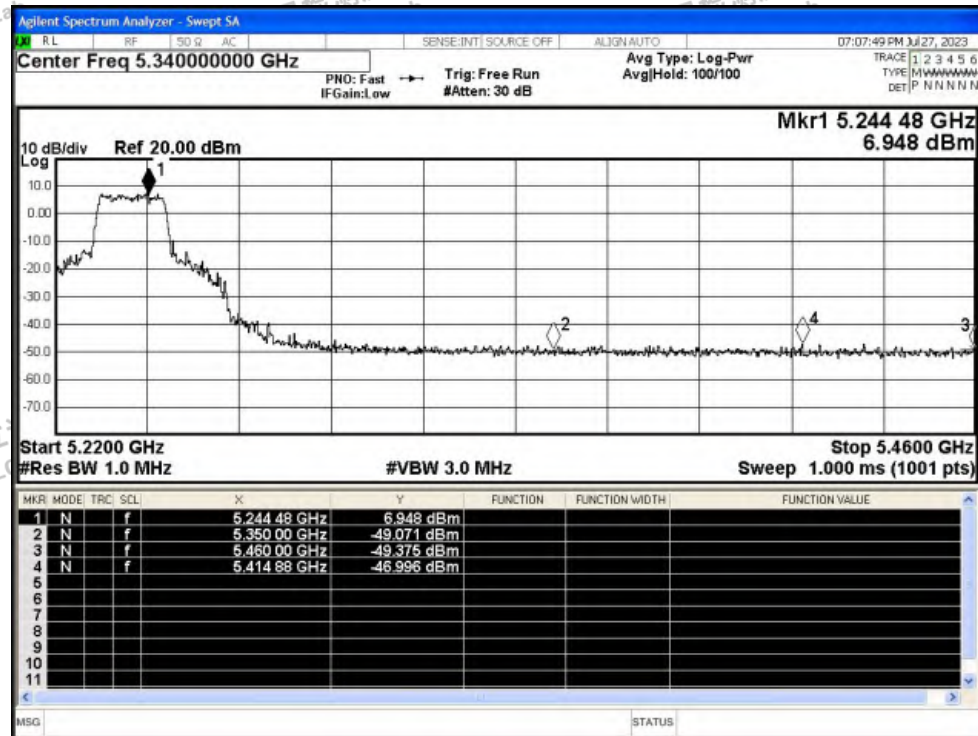
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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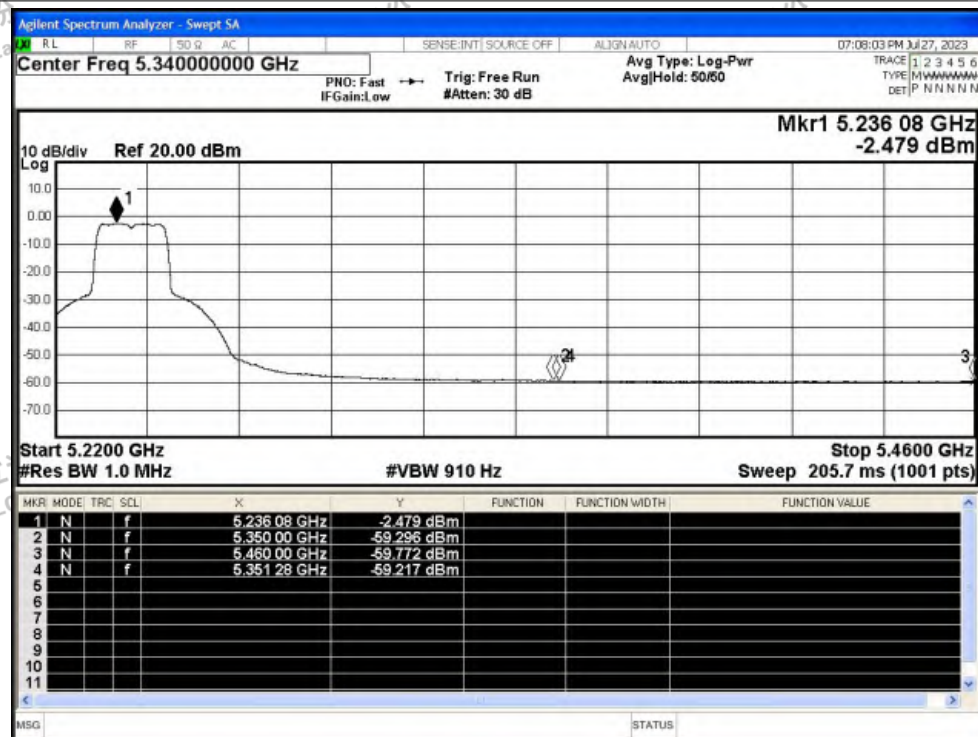
Scan code to check authenticity



Restrict Band NVNT n20 5240MHz Ant1 Peak



Restrict Band NVNT n20 5240MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

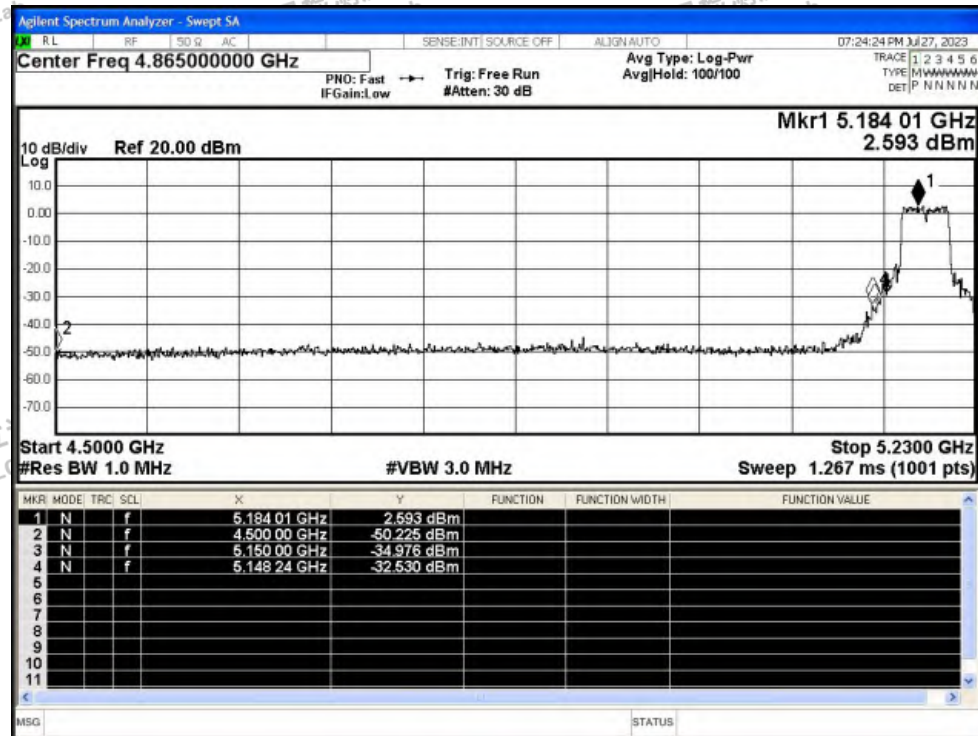
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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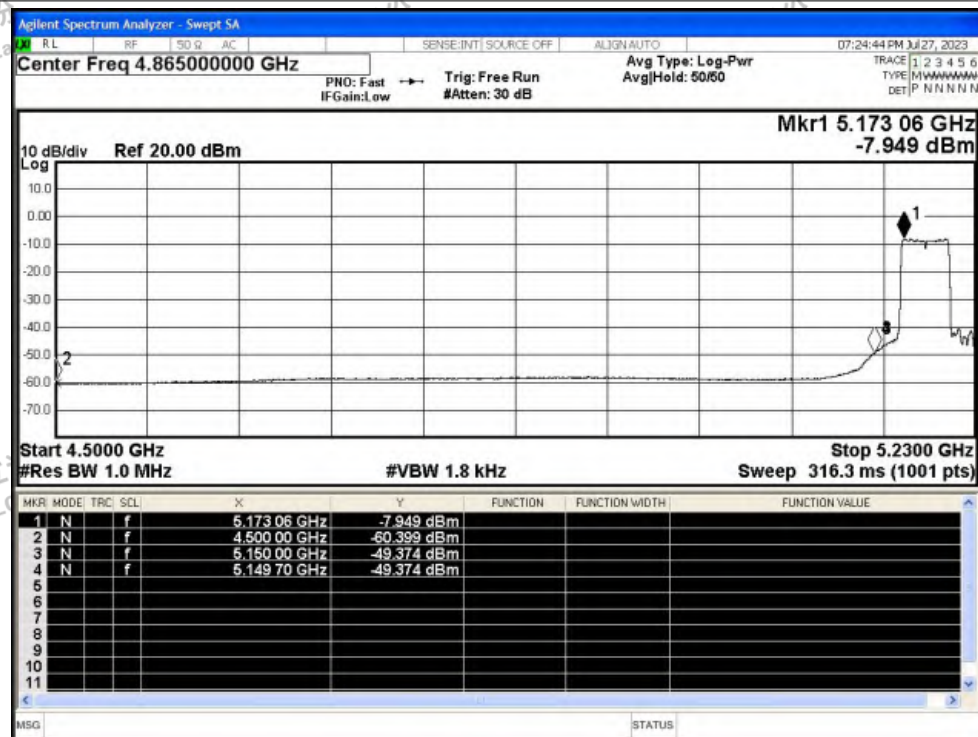
Scan code to check authenticity



Restrict Band NVNT n40 5190MHz Ant1 Peak



Restrict Band NVNT n40 5190MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

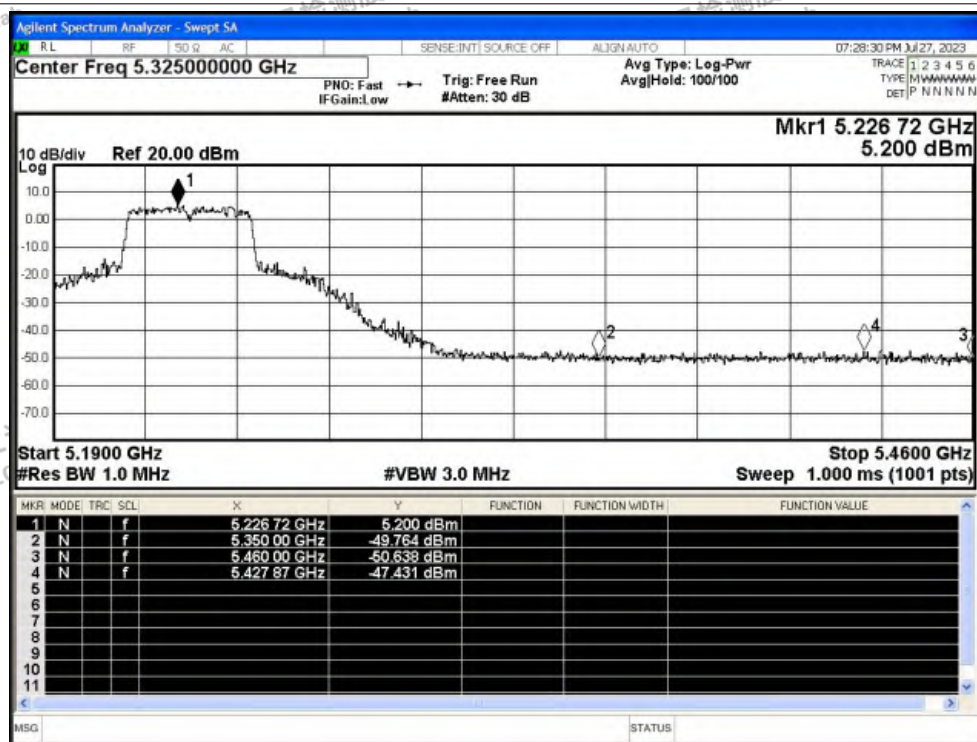
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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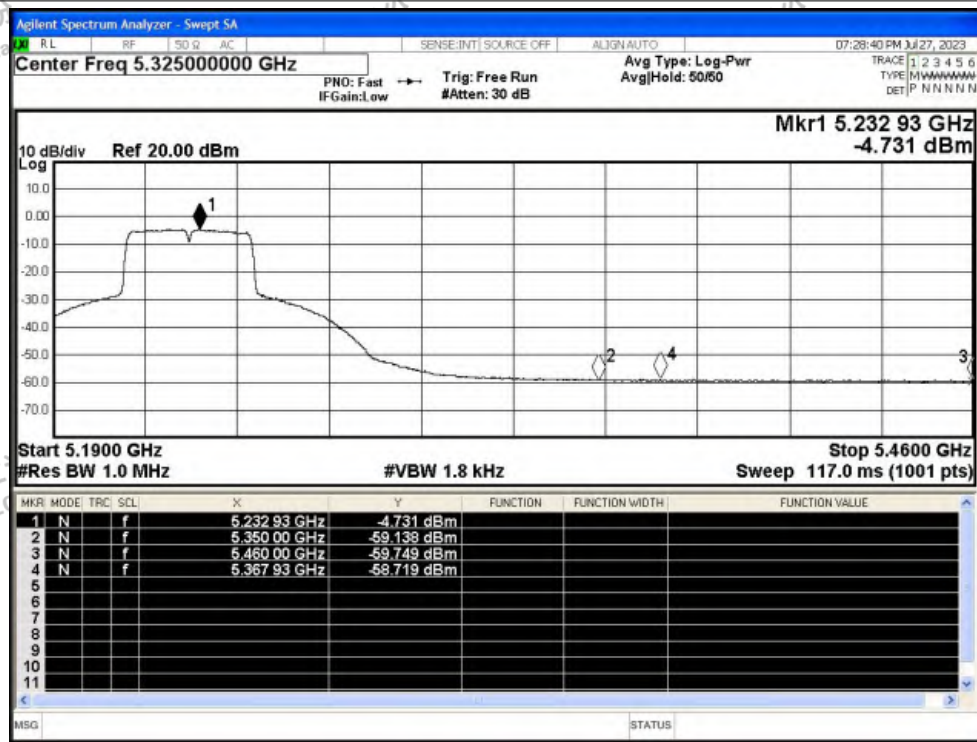
Scan code to check authenticity



Restrict Band NVNT n40 5230MHz Ant1 Peak



Restrict Band NVNT n40 5230MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

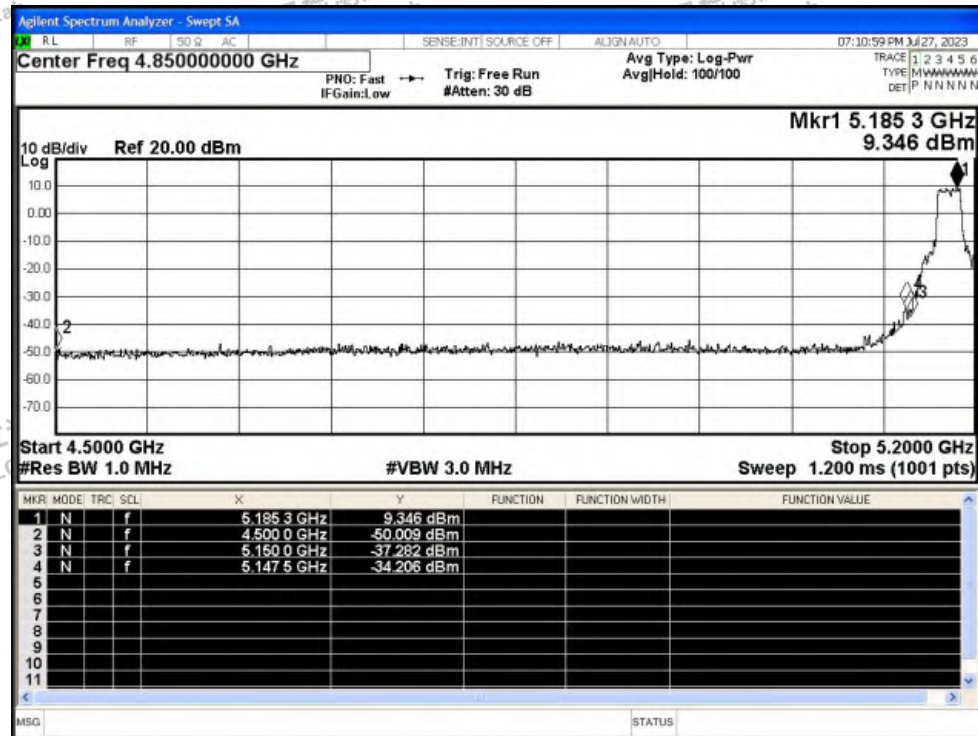
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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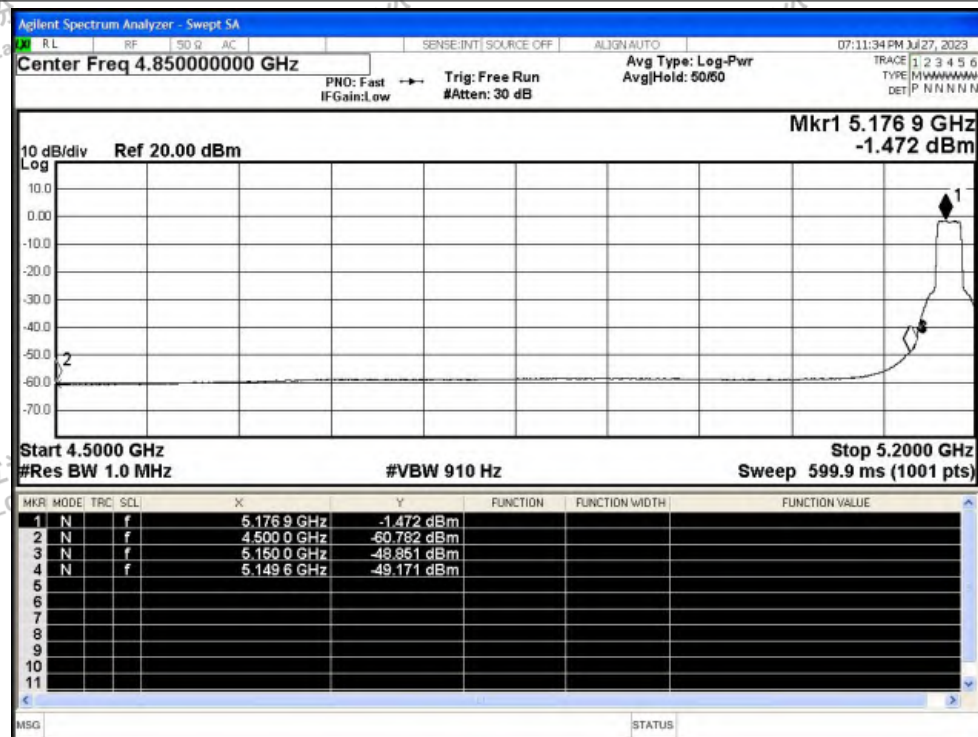
Scan code to check authenticity



Restrict Band NVNT ac20 5180MHz Ant1 Peak



Restrict Band NVNT ac20 5180MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

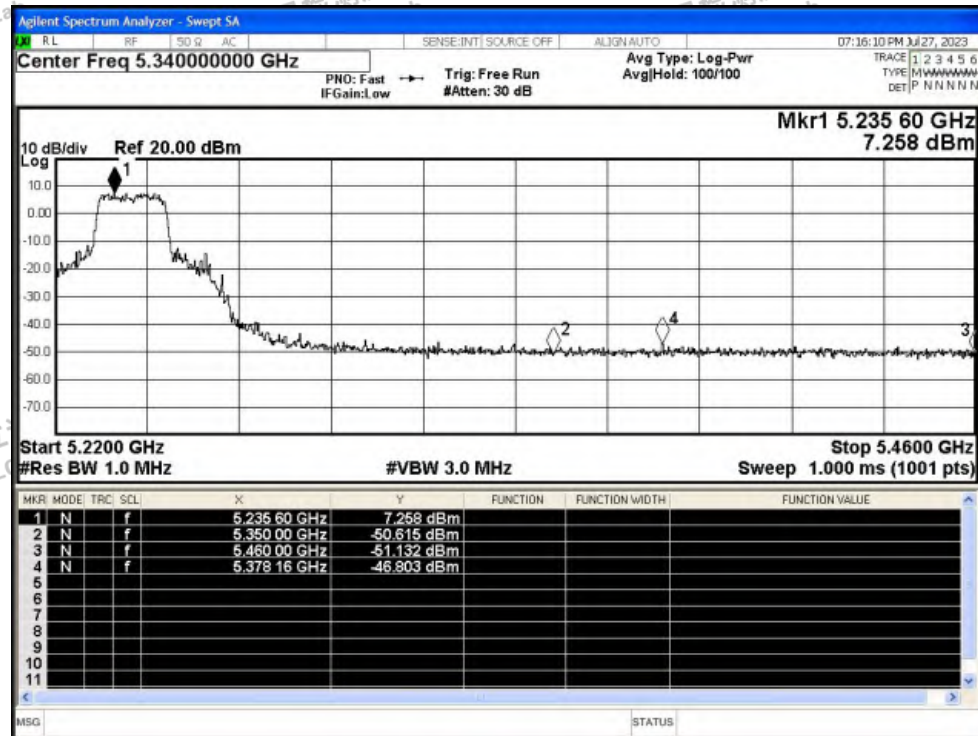
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

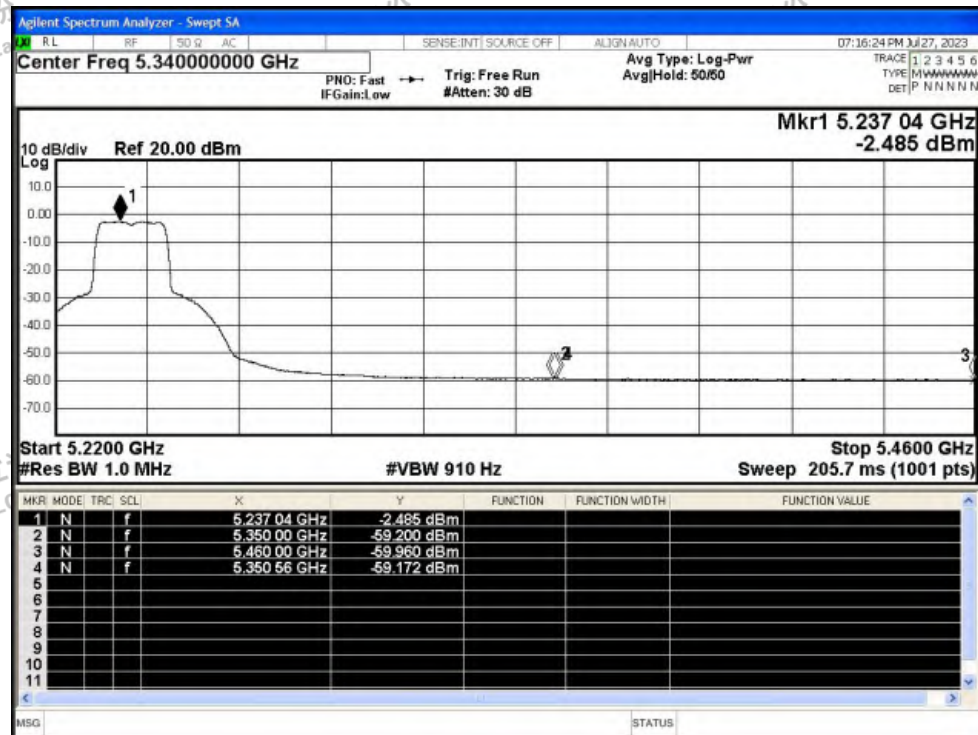
Scan code to check authenticity



Restrict Band NVNT ac20 5240MHz Ant1 Peak



Restrict Band NVNT ac20 5240MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

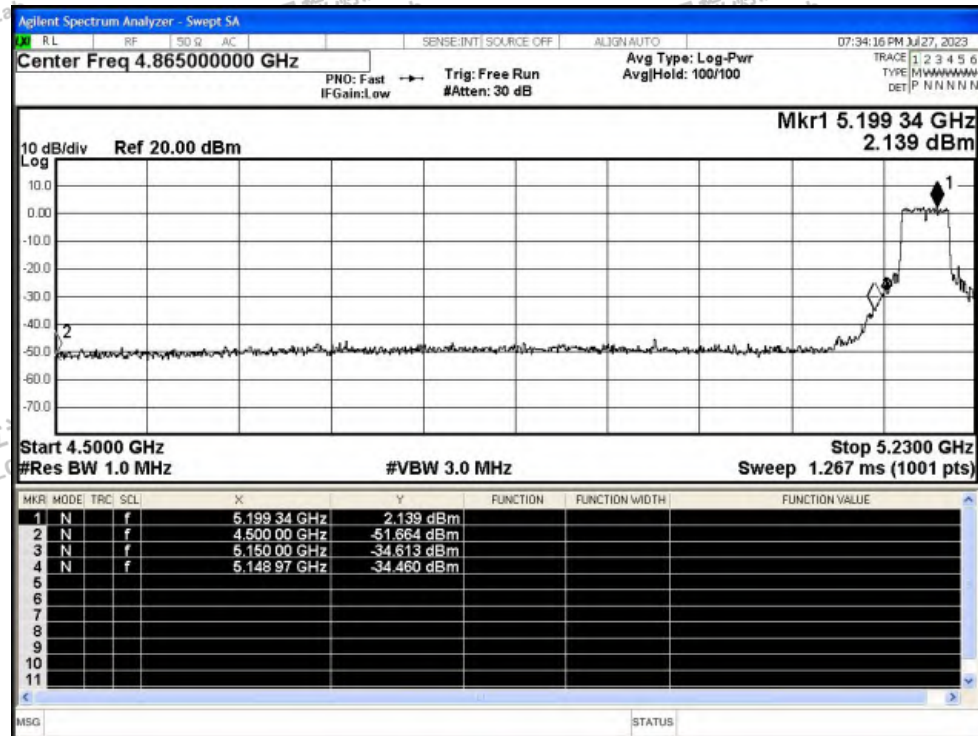
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

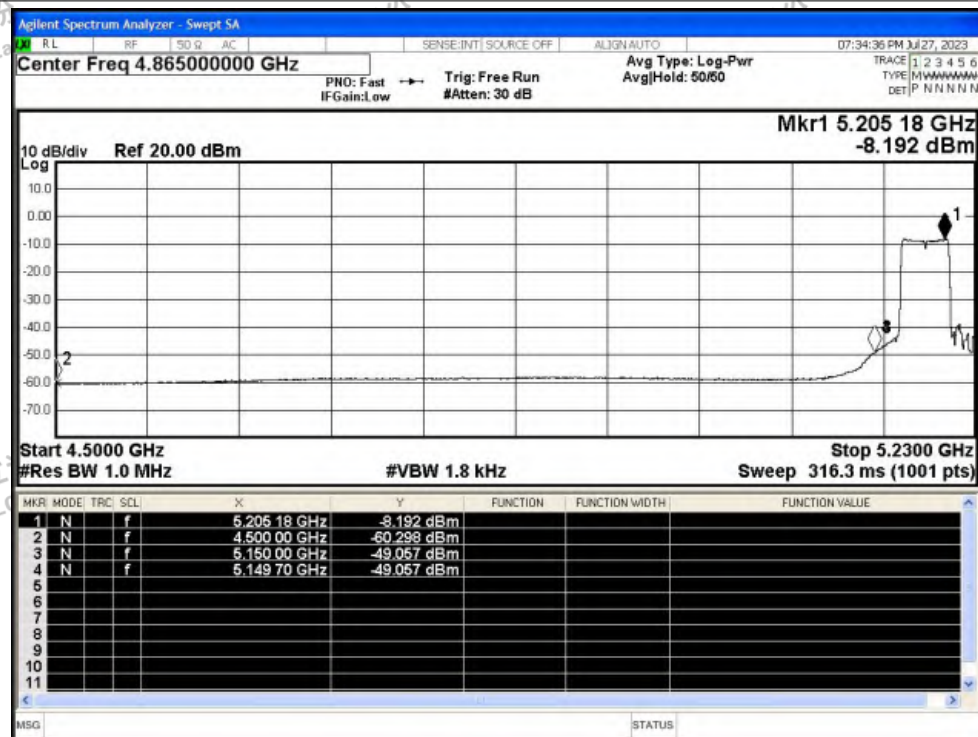
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Restrict Band NVNT ac40 5190MHz Ant1 Peak



Restrict Band NVNT ac40 5190MHz Ant1 Average



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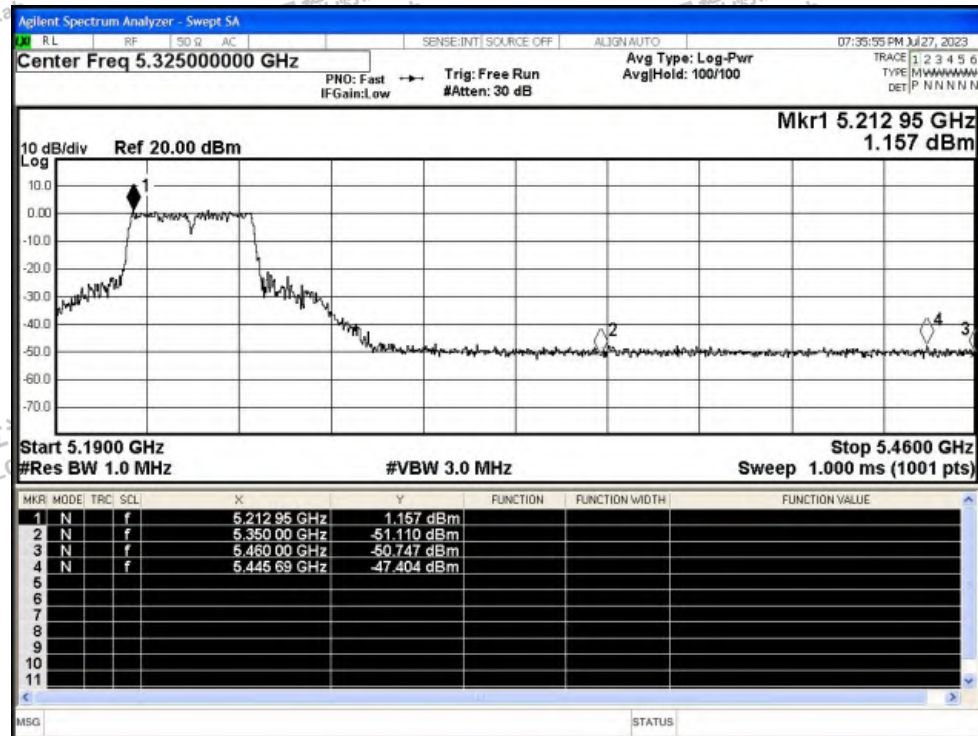
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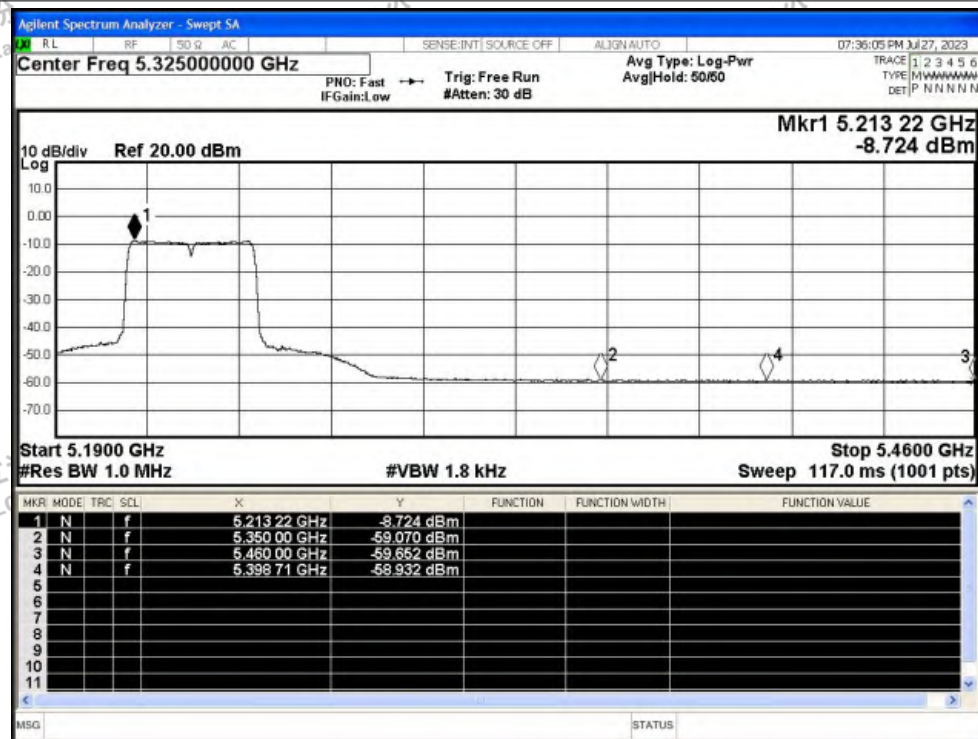
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Restrict Band NVNT ac40 5230MHz Ant1 Peak



Restrict Band NVNT ac40 5230MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

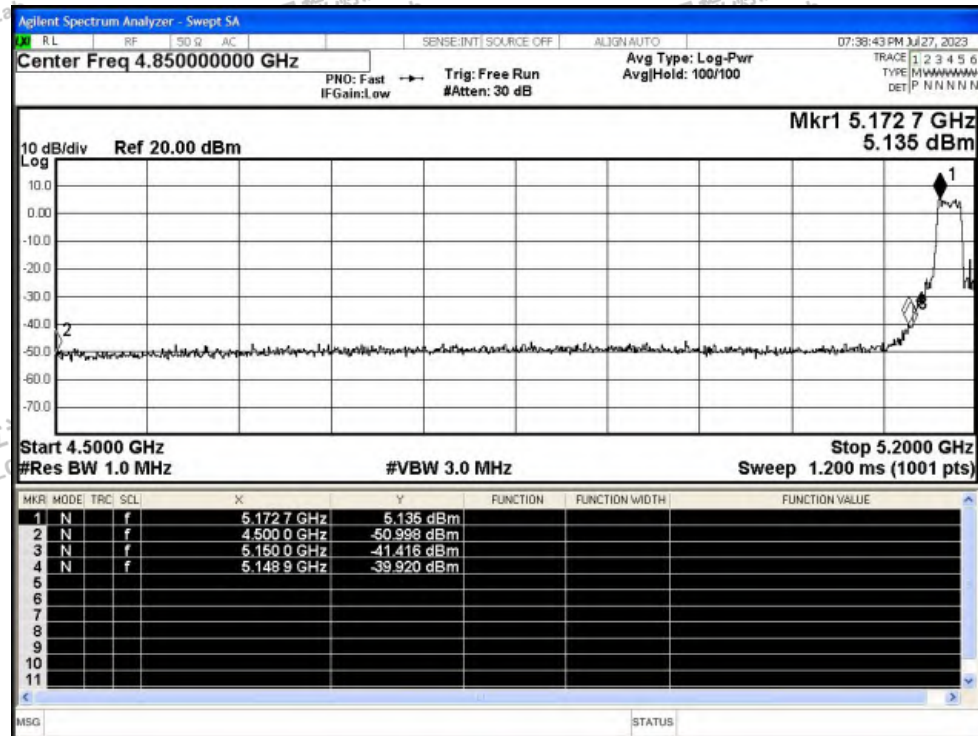
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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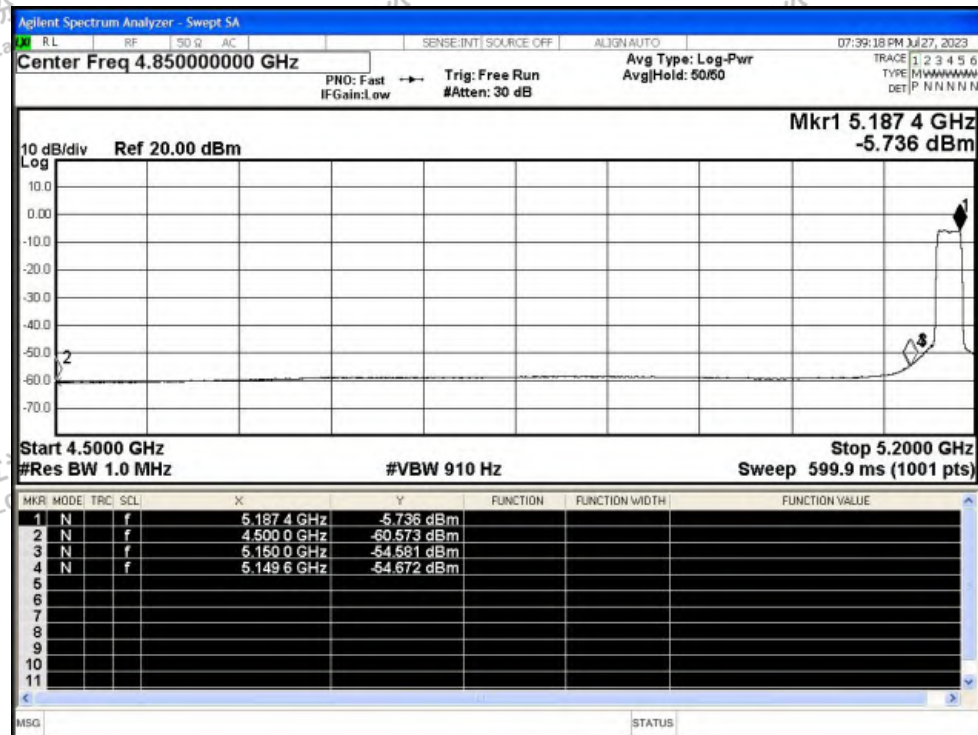
Scan code to check authenticity



Restrict Band NVNT ax20 5180MHz Ant1 Peak



Restrict Band NVNT ax20 5180MHz Ant1 Average



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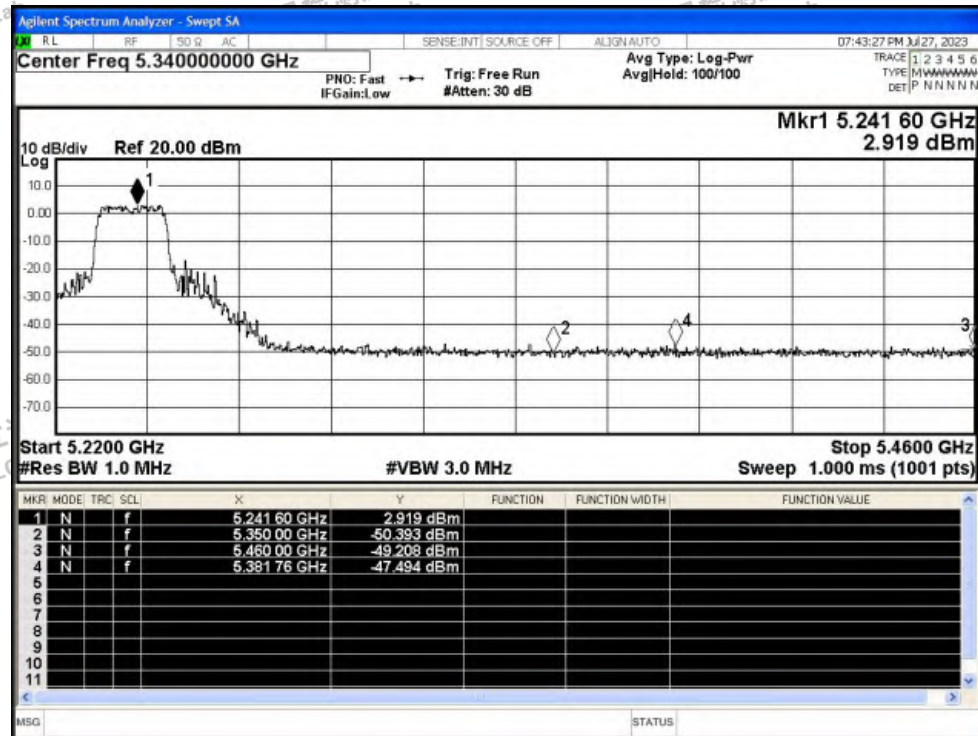
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

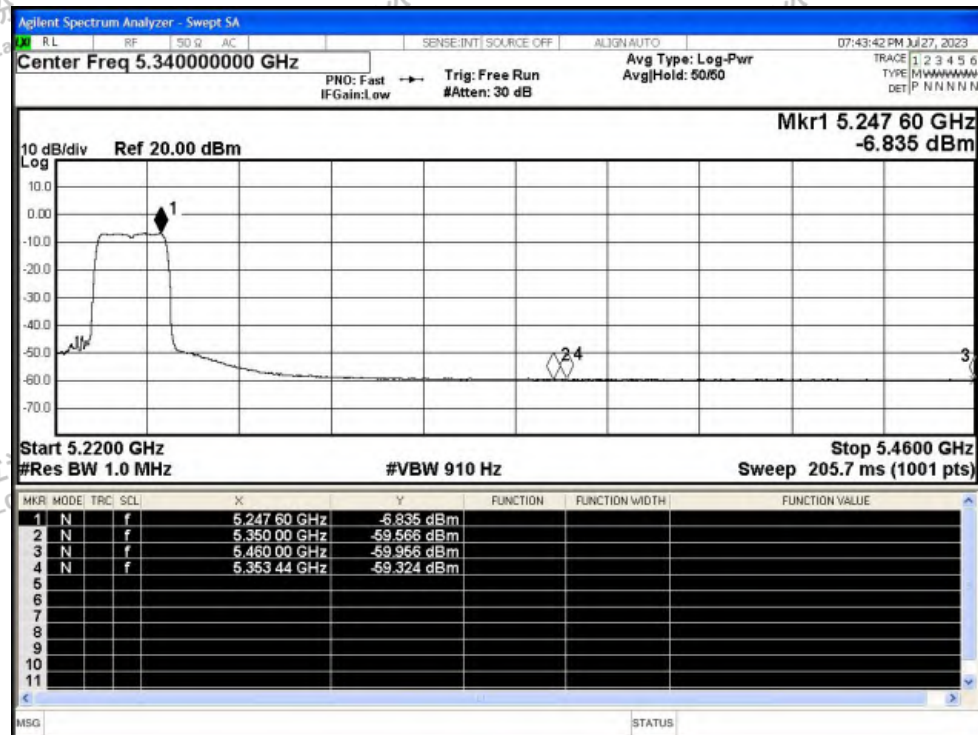
Scan code to check authenticity



Restrict Band NVNT ax20 5240MHz Ant1 Peak



Restrict Band NVNT ax20 5240MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

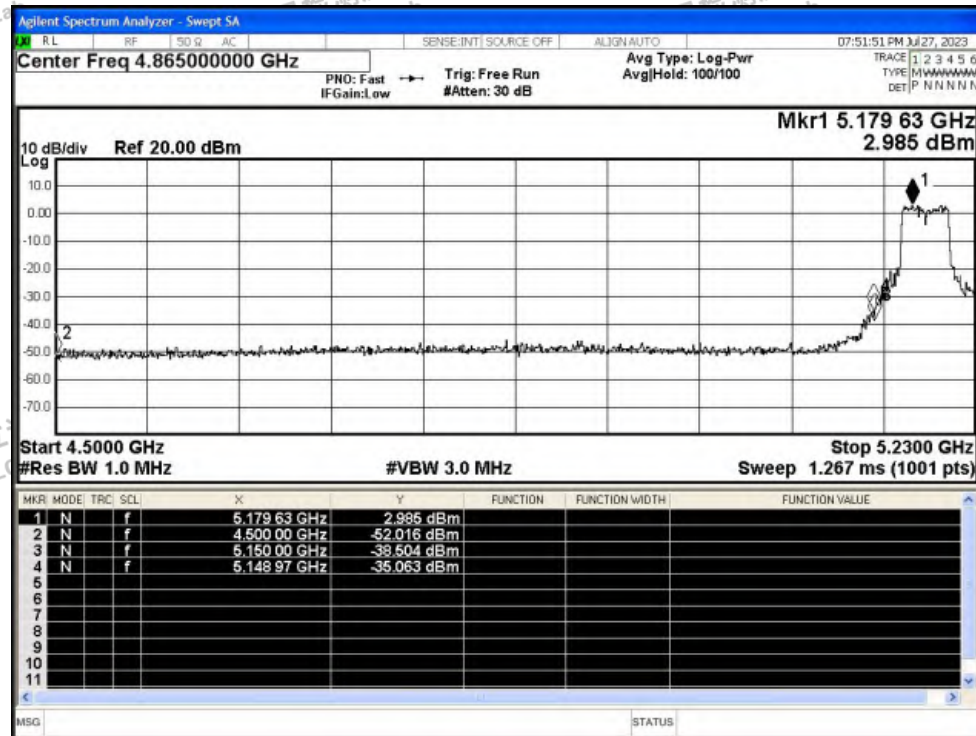
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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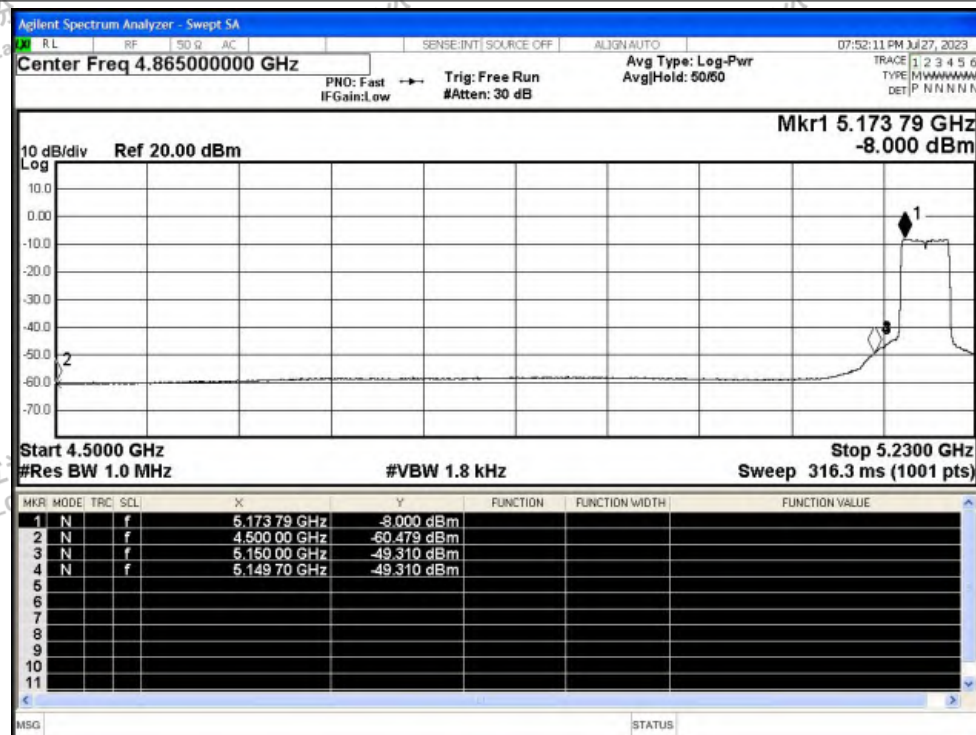
Scan code to check authenticity



Restrict Band NVNT ax40 5190MHz Ant1 Peak



Restrict Band NVNT ax40 5190MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

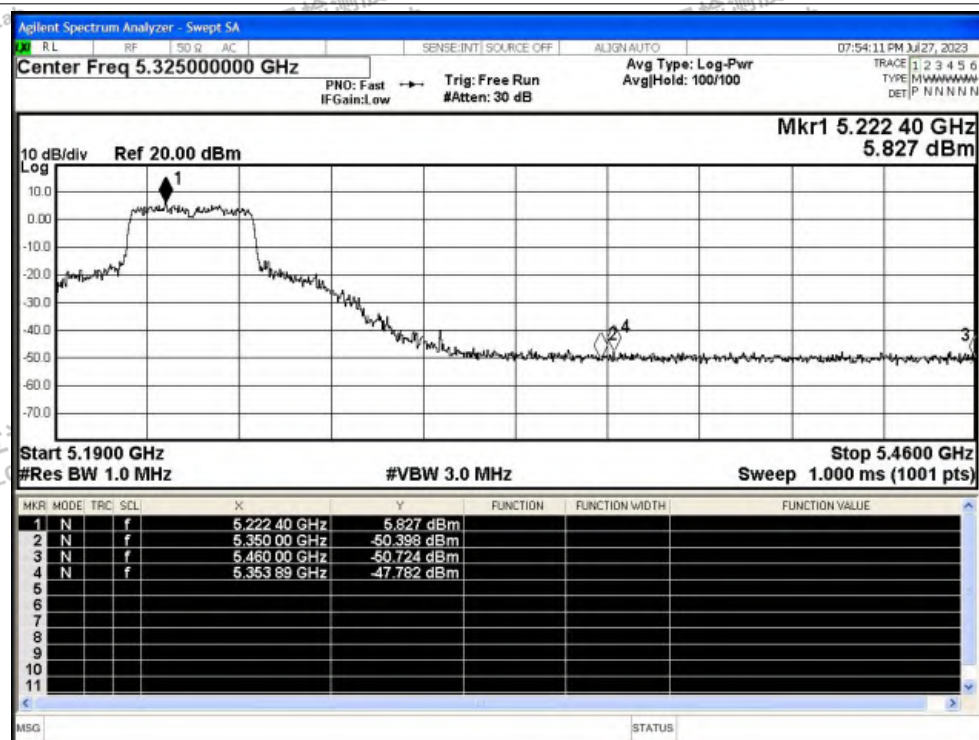
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

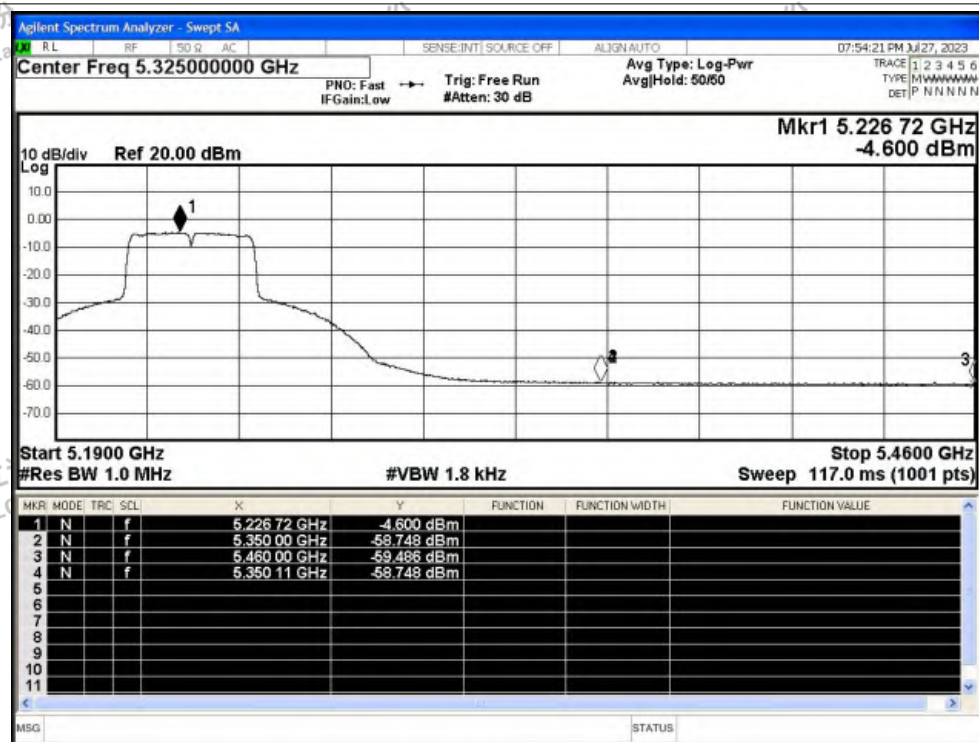
Scan code to check authenticity



Restrict Band NVNT ax40 5230MHz Ant1 Peak



Restrict Band NVNT ax40 5230MHz Ant1 Average



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D.5 Frequency Stability

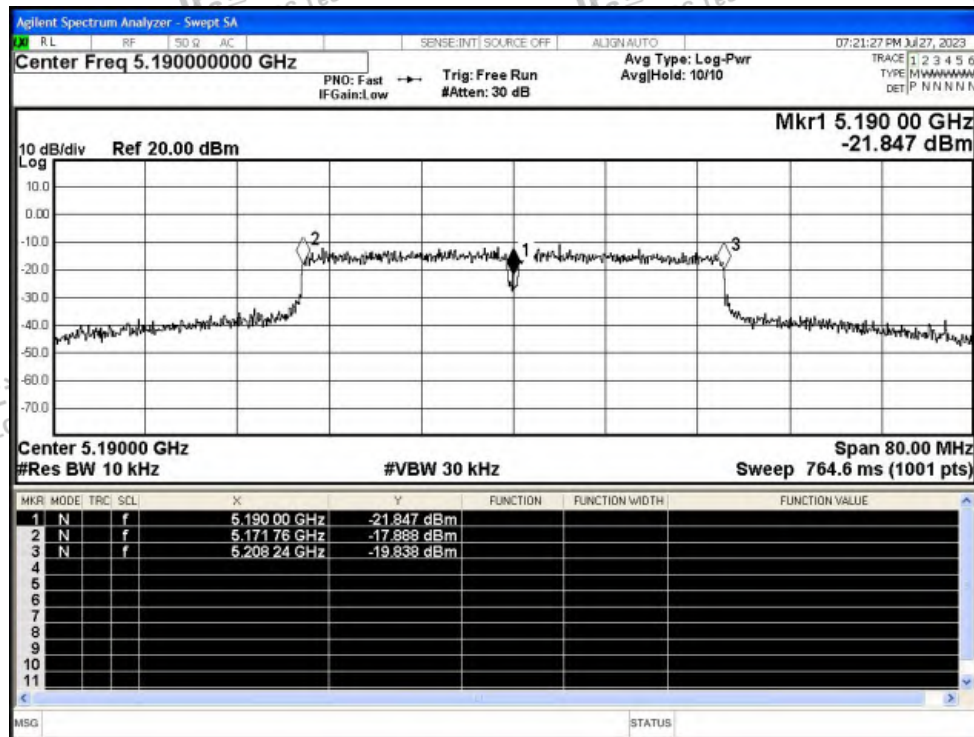
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	n40	5190	Ant1	5190	0	0	25	Pass
NVNT	n40	5230	Ant1	5230	0	0	25	Pass
NVNT	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
NVNT	ac20	5200	Ant1	5200	0	0	25	Pass
NVNT	ac20	5240	Ant1	5240	0	0	25	Pass
NVNT	ac40	5190	Ant1	5190	0	0	25	Pass
NVNT	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass



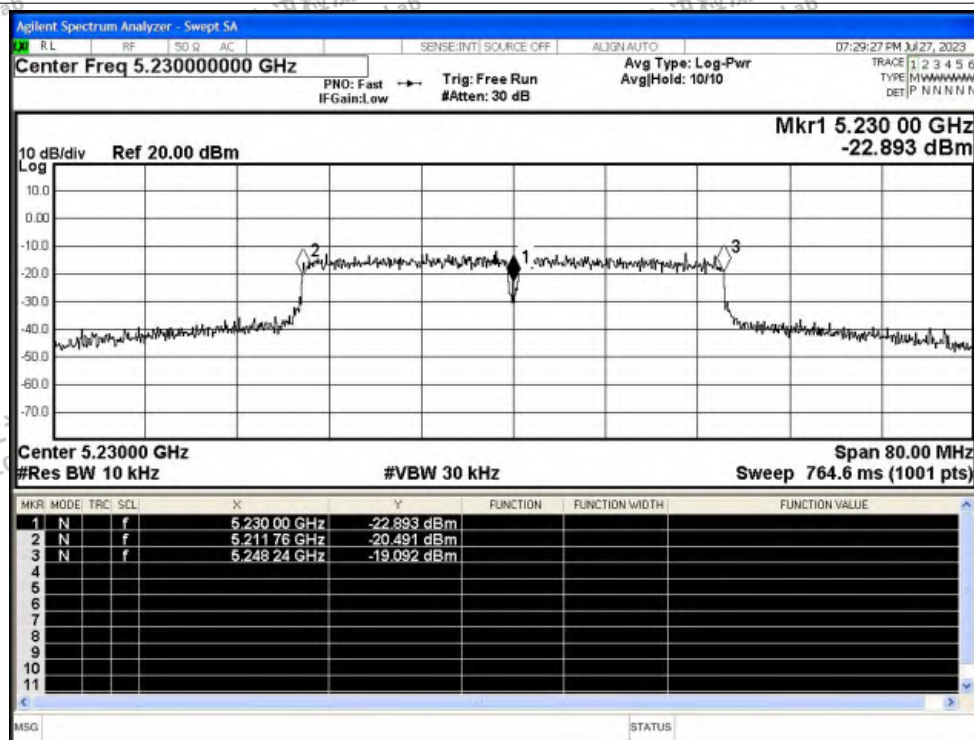


Test Graphs

Freq. Stability NVNT n40 5190MHz Ant1



Freq. Stability NVNT n40 5230MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

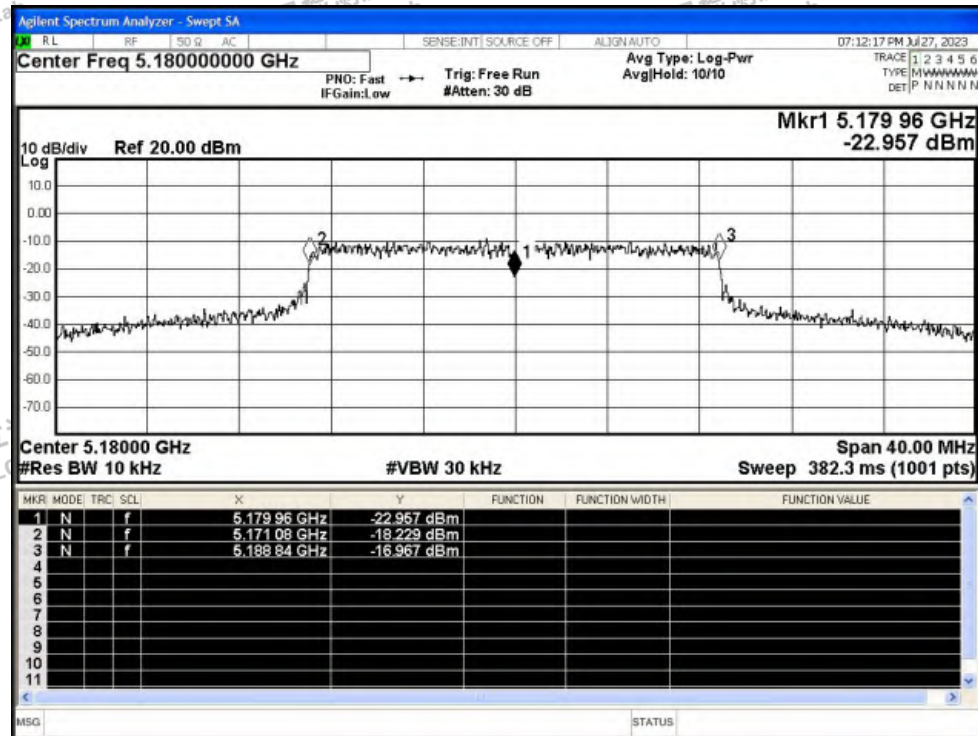
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

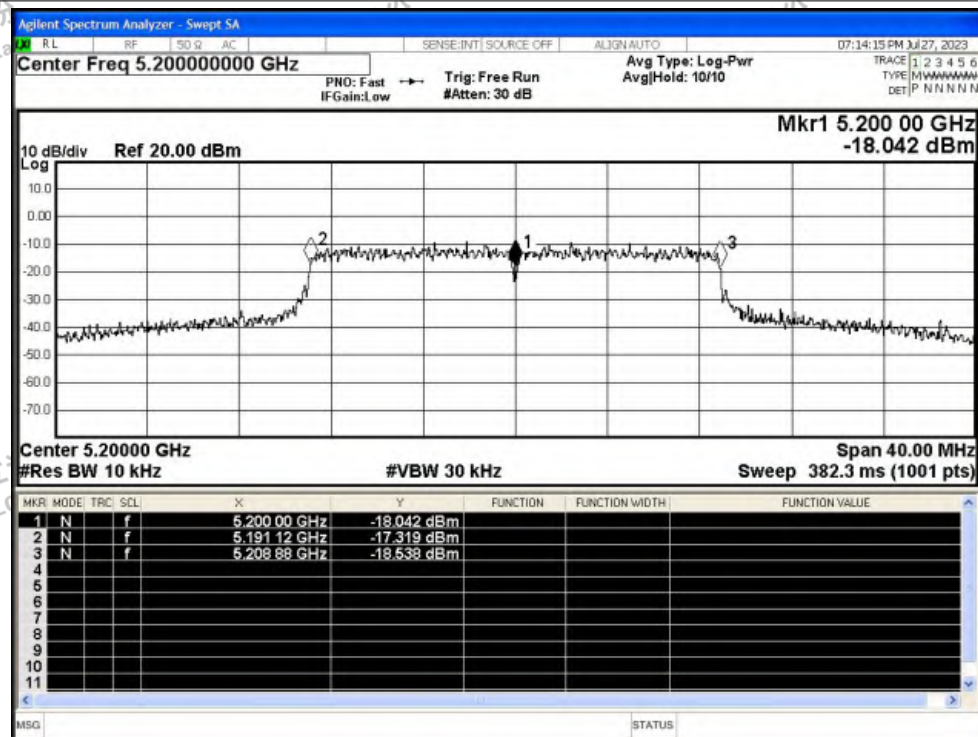
Scan code to check authenticity



Freq. Stability NVNT ac20 5180MHz Ant1



Freq. Stability NVNT ac20 5200MHz Ant1



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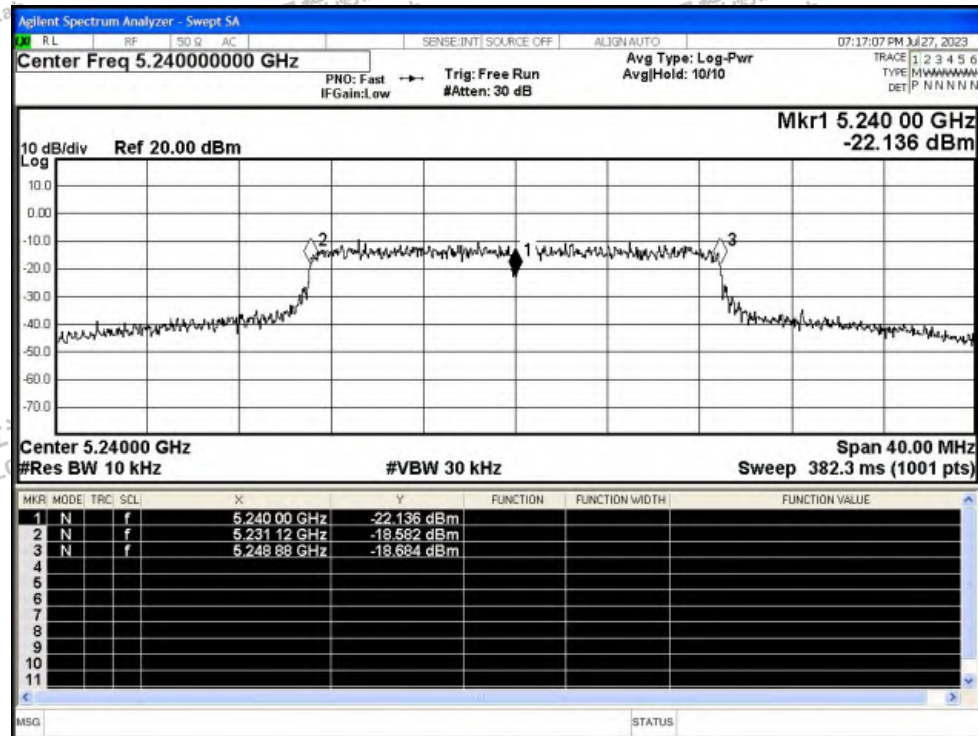
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

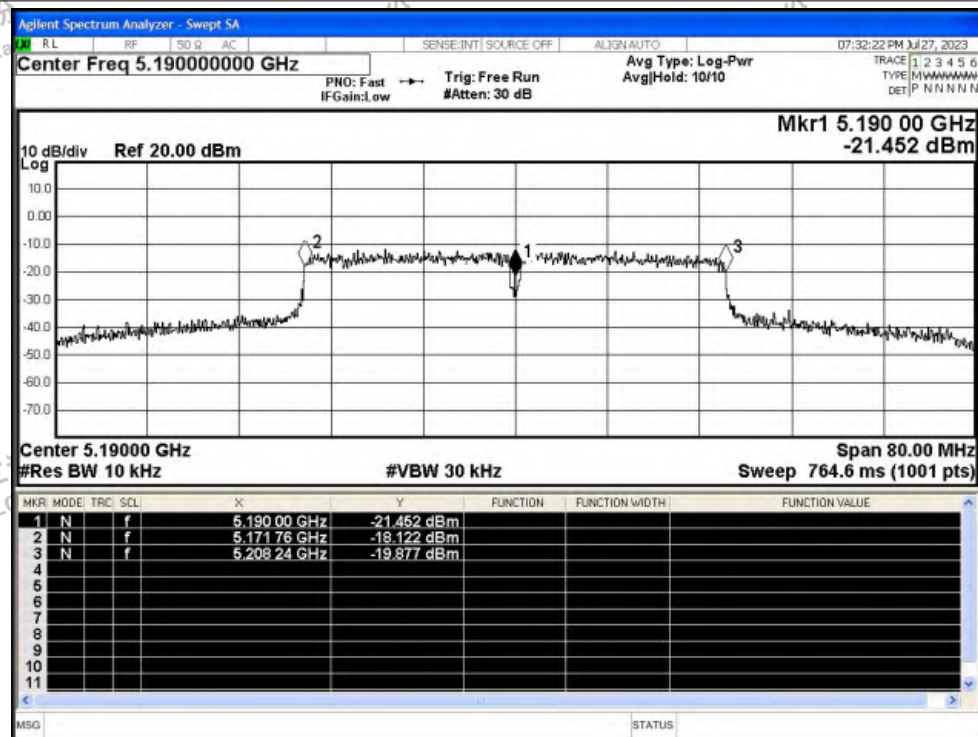
Scan code to check authenticity



Freq. Stability NVNT ac20 5240MHz Ant1



Freq. Stability NVNT ac40 5190MHz Ant1



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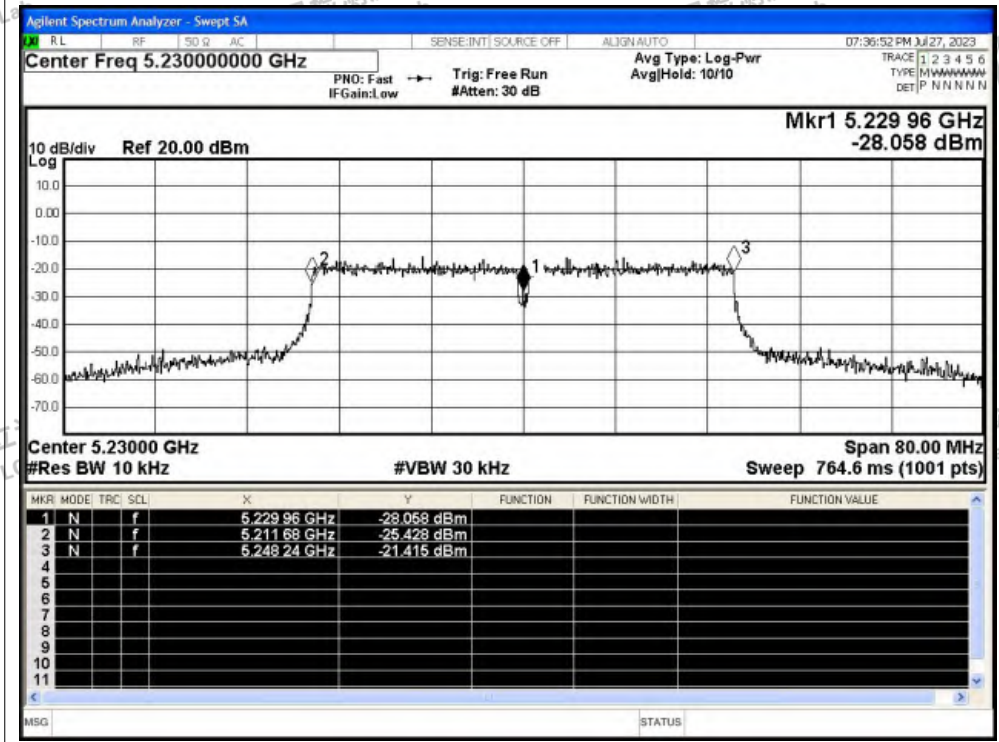
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

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Freq. Stability NVNT ac40 5230MHz Ant1



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D.6 Duty Cycle

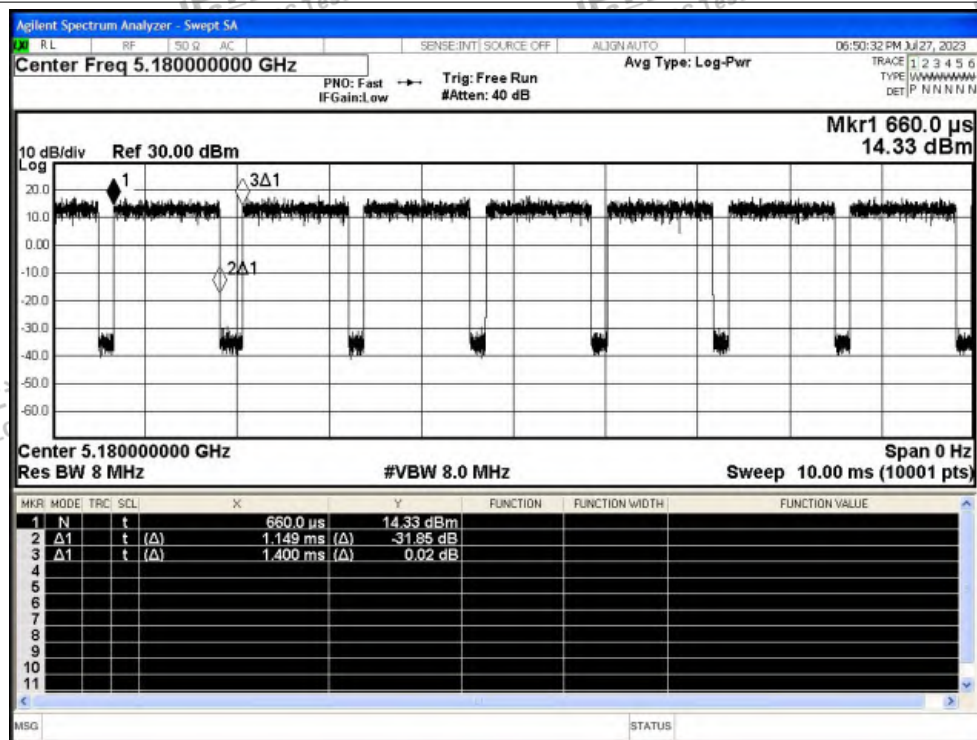
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	82.07	0.86	0.87
NVNT	a	5200	Ant1	87.11	0.6	0.87
NVNT	a	5240	Ant1	87.11	0.6	0.87
NVNT	n20	5180	Ant1	82.53	0.83	0.87
NVNT	n20	5200	Ant1	87.11	0.6	0.87
NVNT	n20	5240	Ant1	87.11	0.6	0.87
NVNT	n40	5190	Ant1	77.12	1.13	1.75
NVNT	n40	5230	Ant1	77.93	1.08	1.75
NVNT	ac20	5180	Ant1	87.19	0.6	0.86
NVNT	ac20	5200	Ant1	84.26	0.74	0.87
NVNT	ac20	5240	Ant1	87.11	0.6	0.87
NVNT	ac40	5190	Ant1	77.36	1.11	1.72
NVNT	ac40	5230	Ant1	78.17	1.07	1.72
NVNT	ax20	5180	Ant1	87.19	0.6	0.86
NVNT	ax20	5200	Ant1	96.98	0.13	0.87
NVNT	ax20	5240	Ant1	87.11	0.6	0.87
NVNT	ax40	5190	Ant1	77.23	1.12	1.72
NVNT	ax40	5230	Ant1	77.36	1.11	1.72



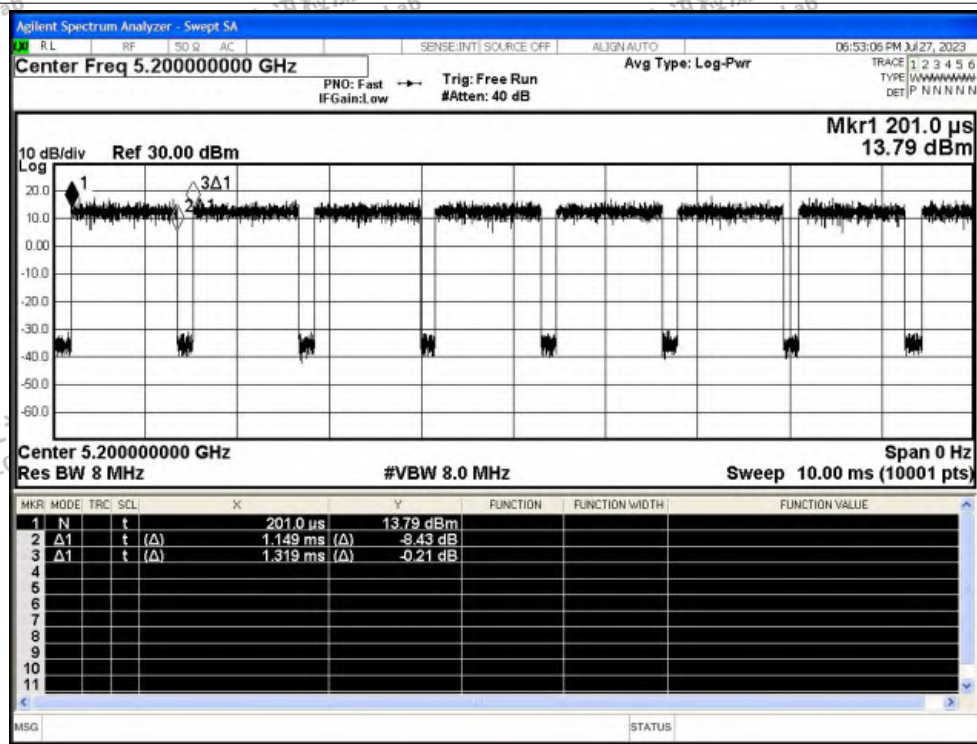


Test Graphs

Duty Cycle NVNT a 5180MHz Ant1



Duty Cycle NVNT a 5200MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

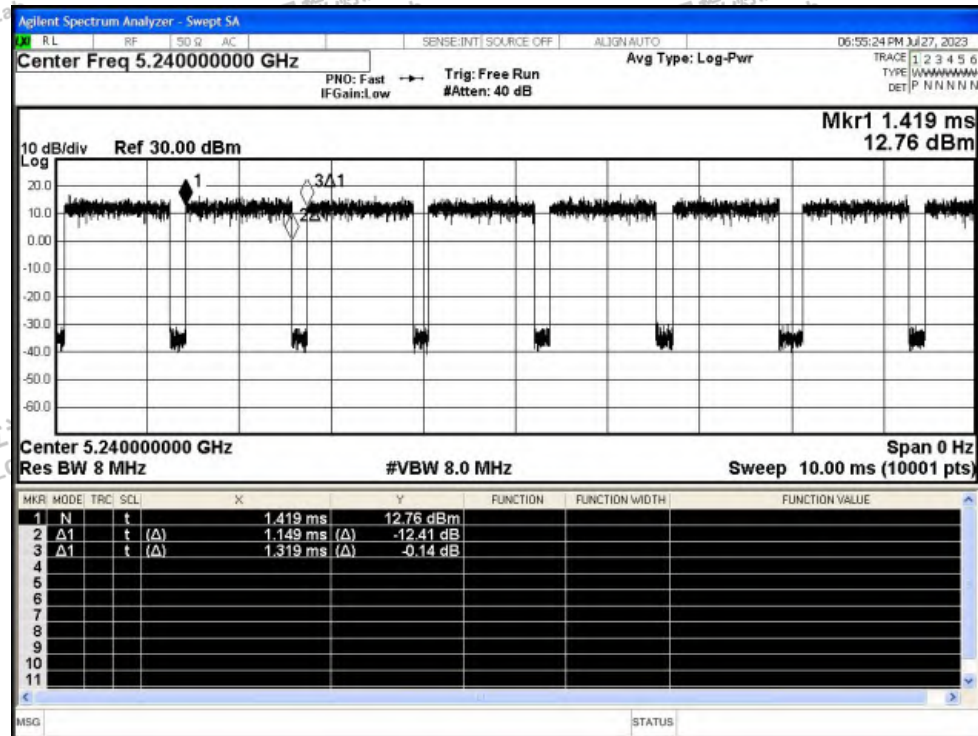
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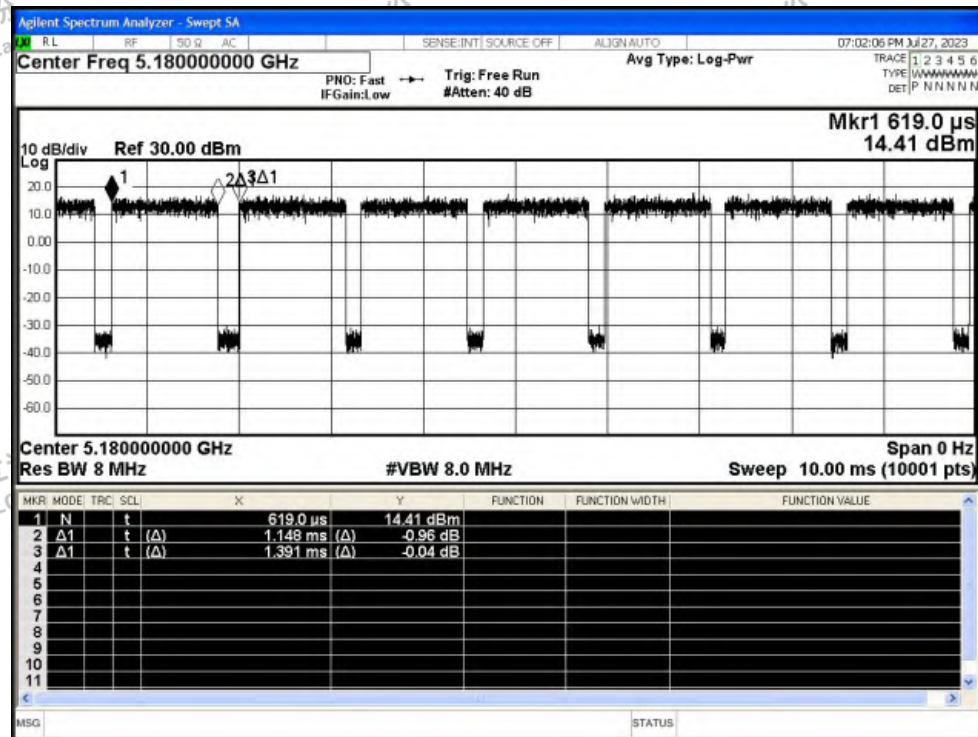
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Duty Cycle NVNT a 5240MHz Ant1



Duty Cycle NVNT n20 5180MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

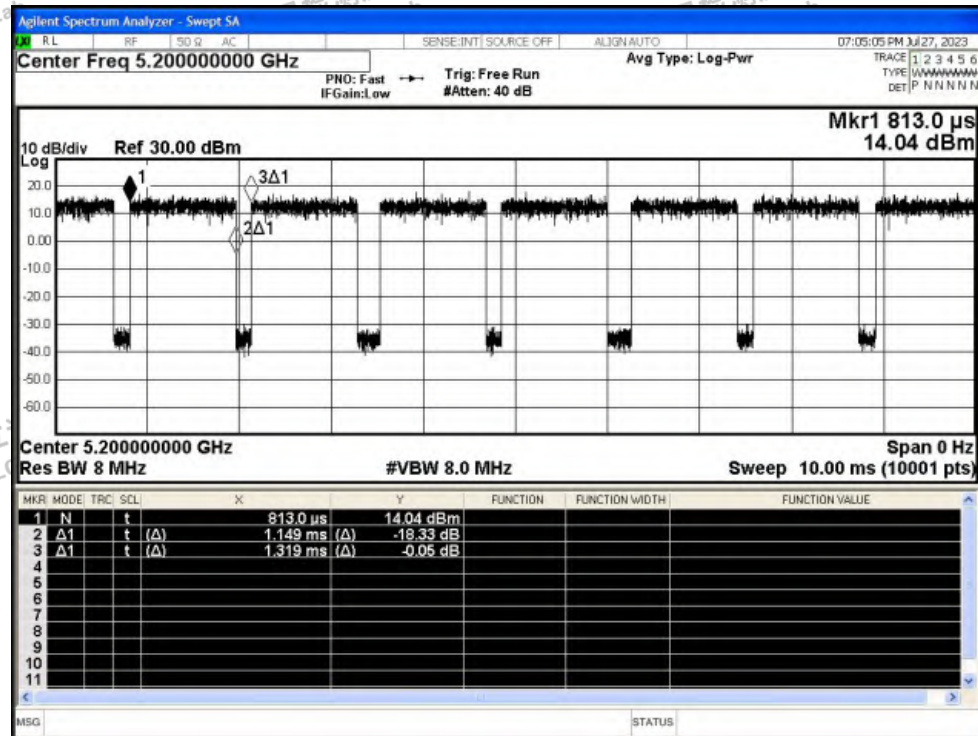
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

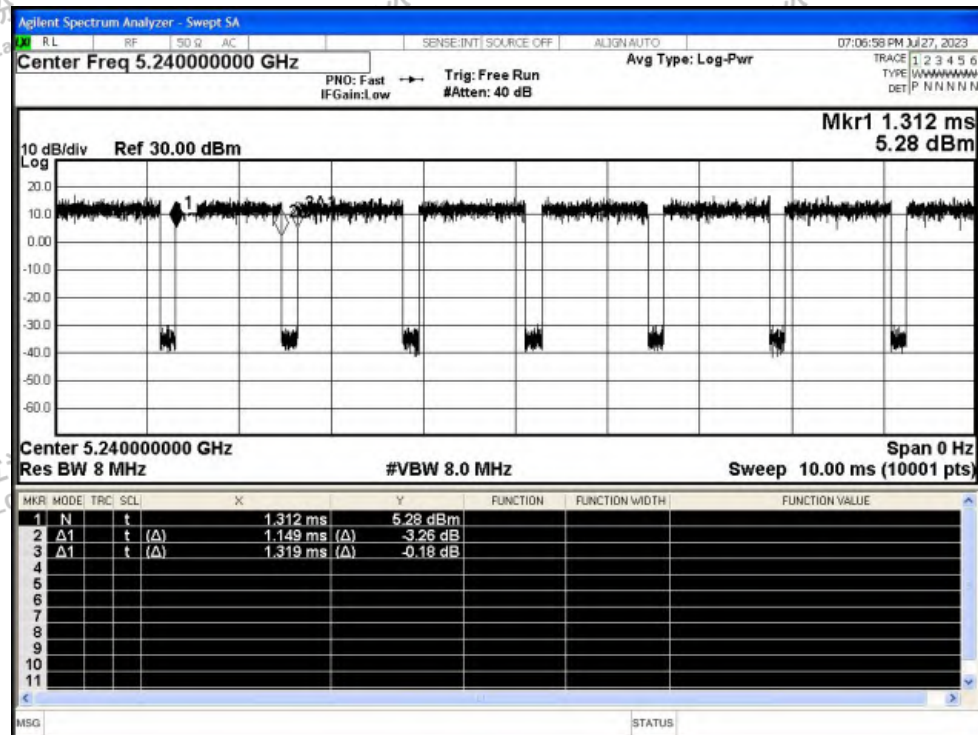
Scan code to check authenticity



Duty Cycle NVNT n20 5200MHz Ant1



Duty Cycle NVNT n20 5240MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

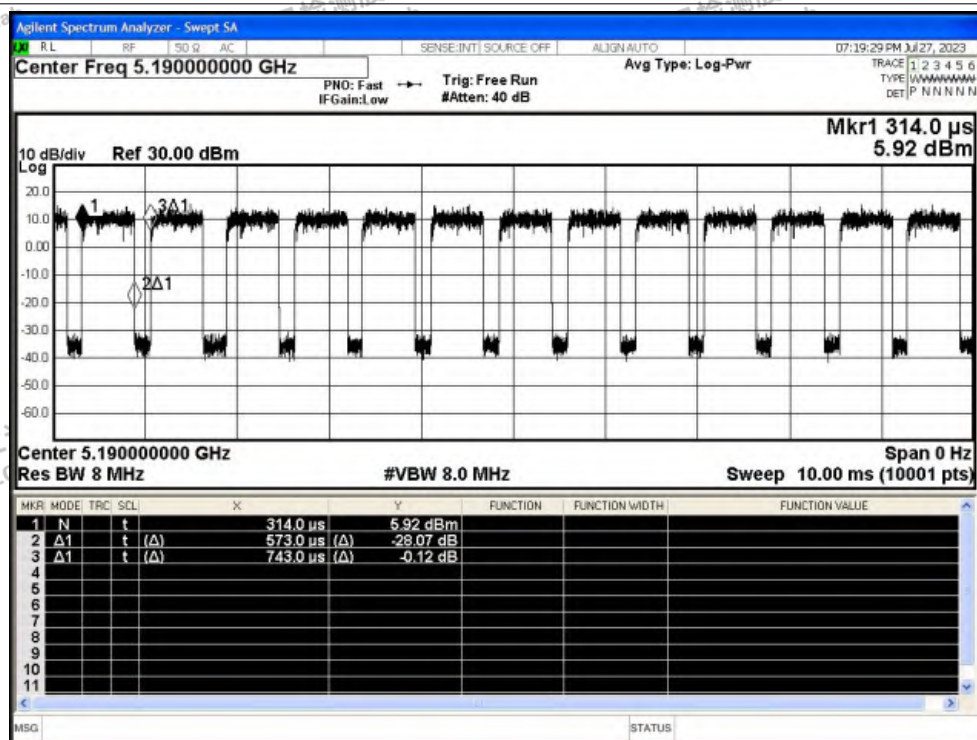
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

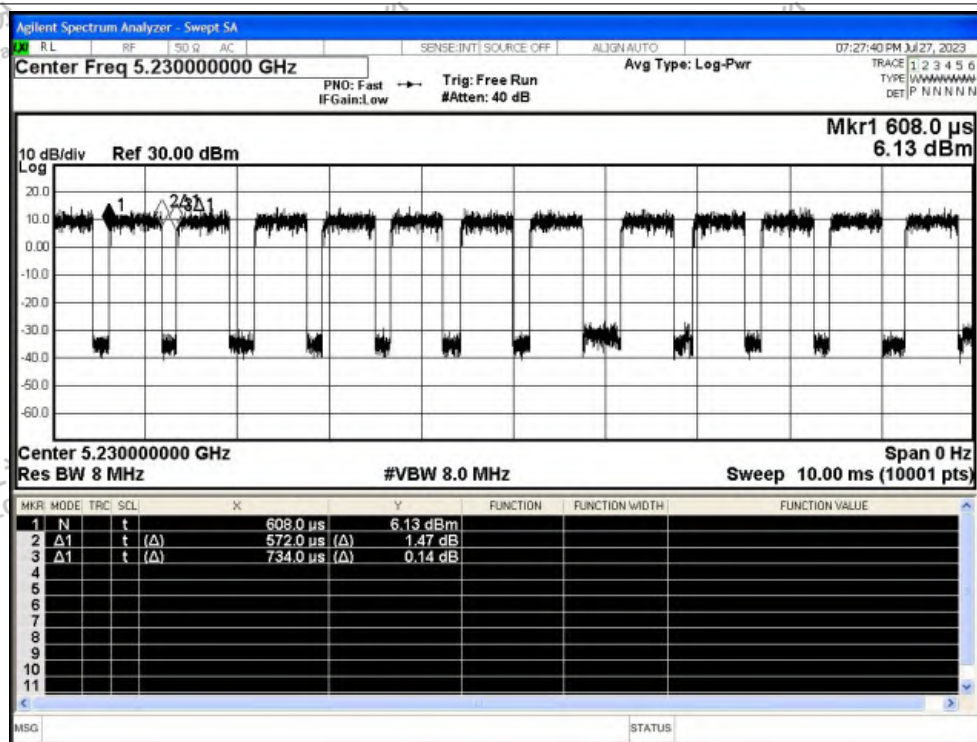
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Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

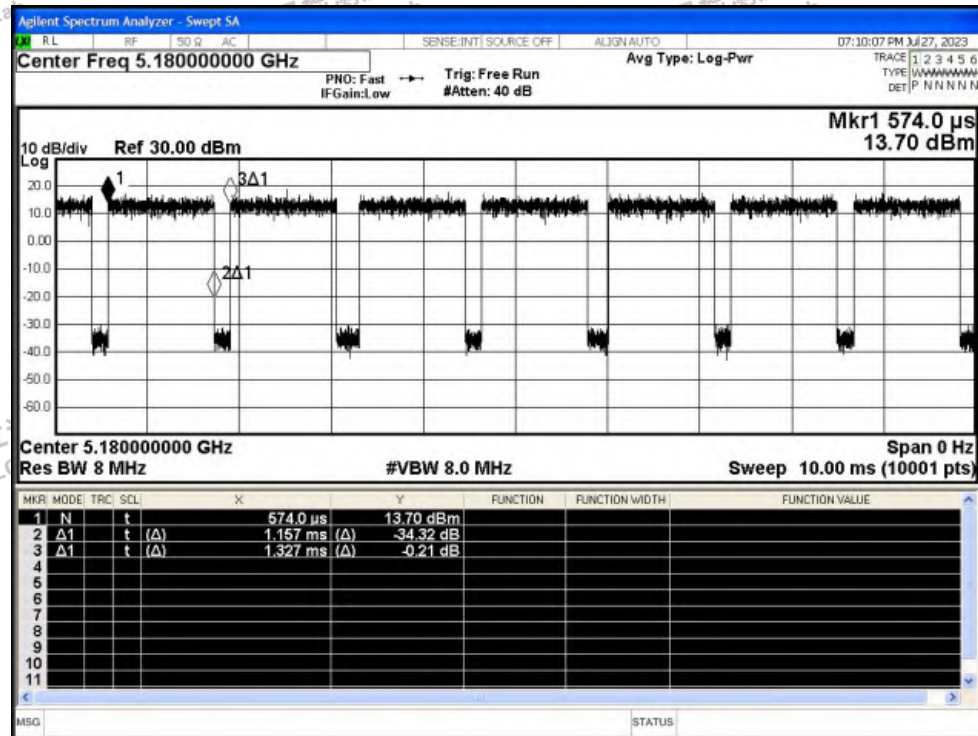
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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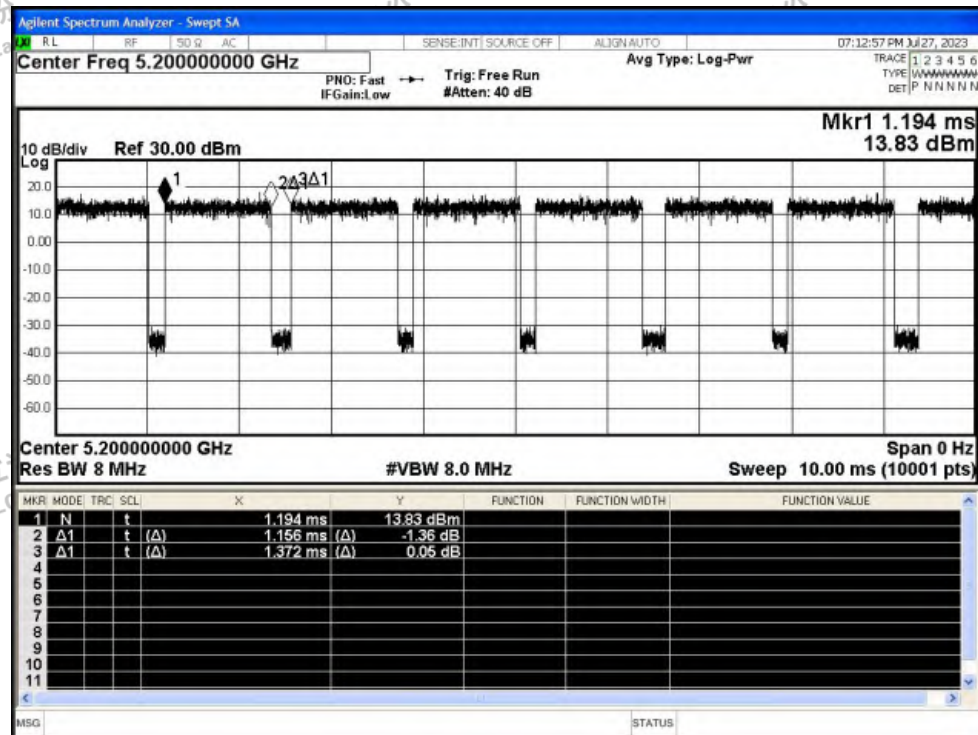
Scan code to check authenticity



Duty Cycle NVNT ac20 5180MHz Ant1



Duty Cycle NVNT ac20 5200MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

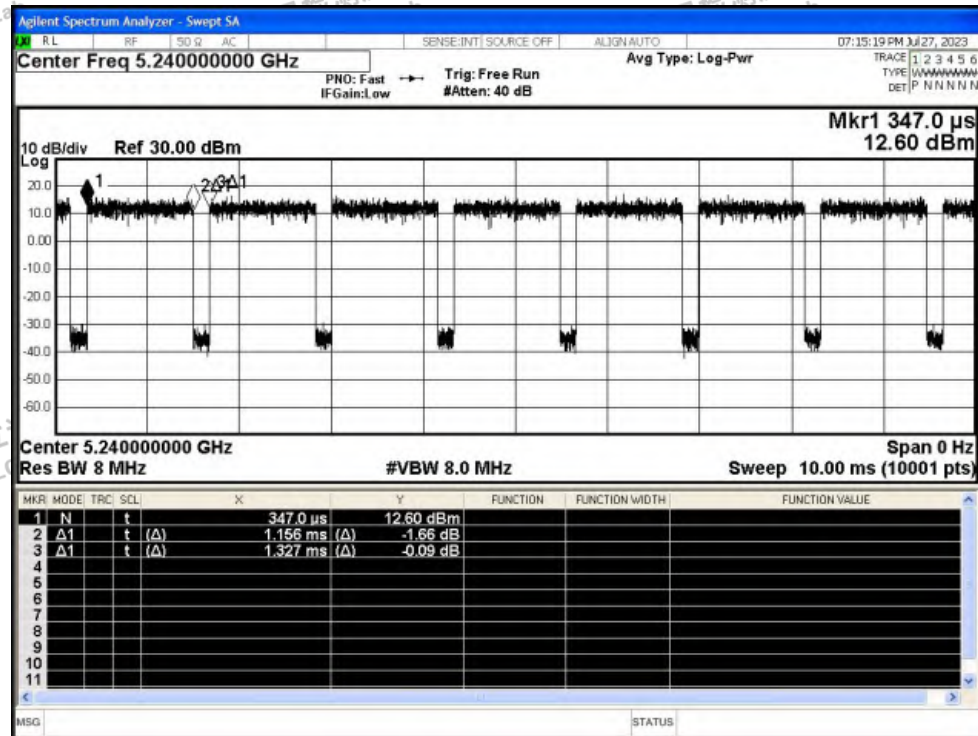
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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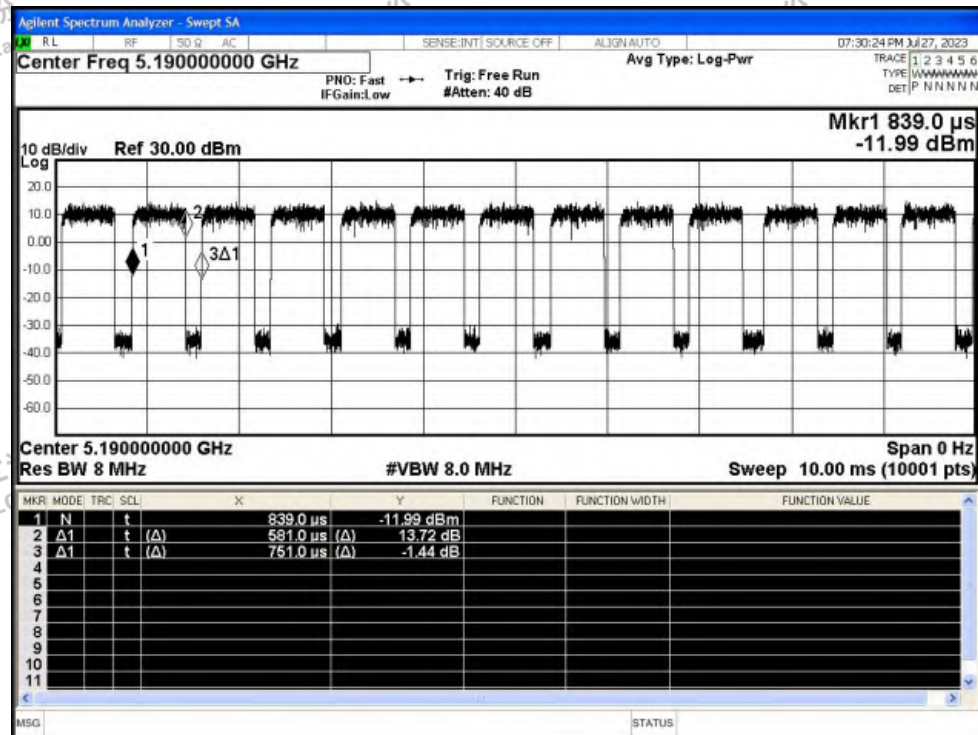
Scan code to check authenticity



Duty Cycle NVNT ac20 5240MHz Ant1



Duty Cycle NVNT ac40 5190MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

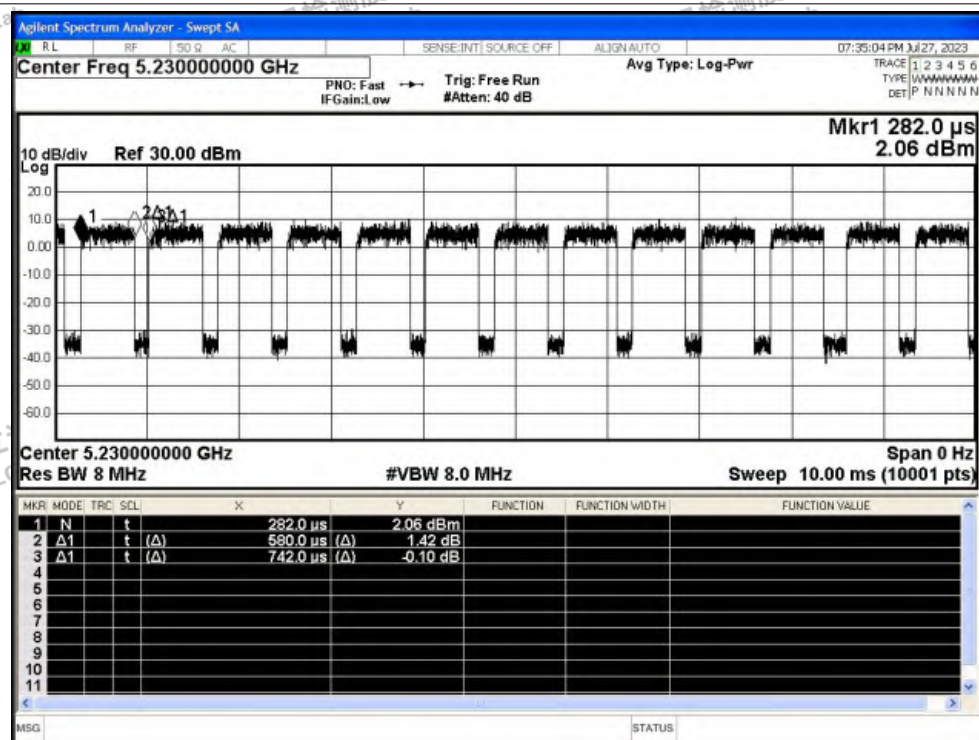
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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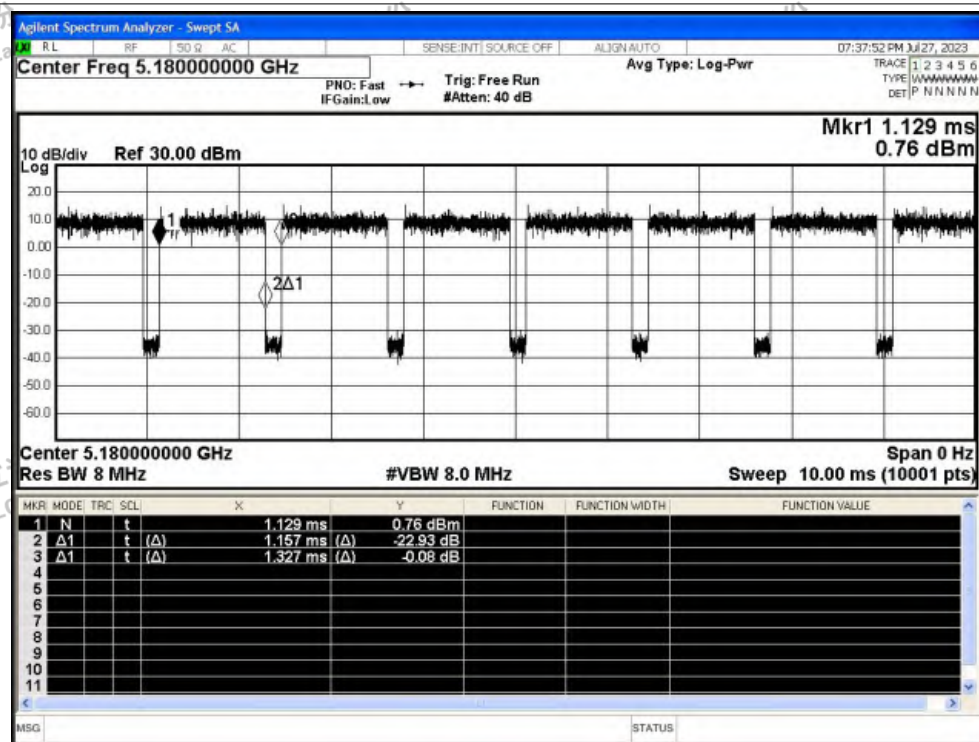
Scan code to check authenticity



Duty Cycle NVNT ac40 5230MHz Ant1



Duty Cycle NVNT ax20 5180MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

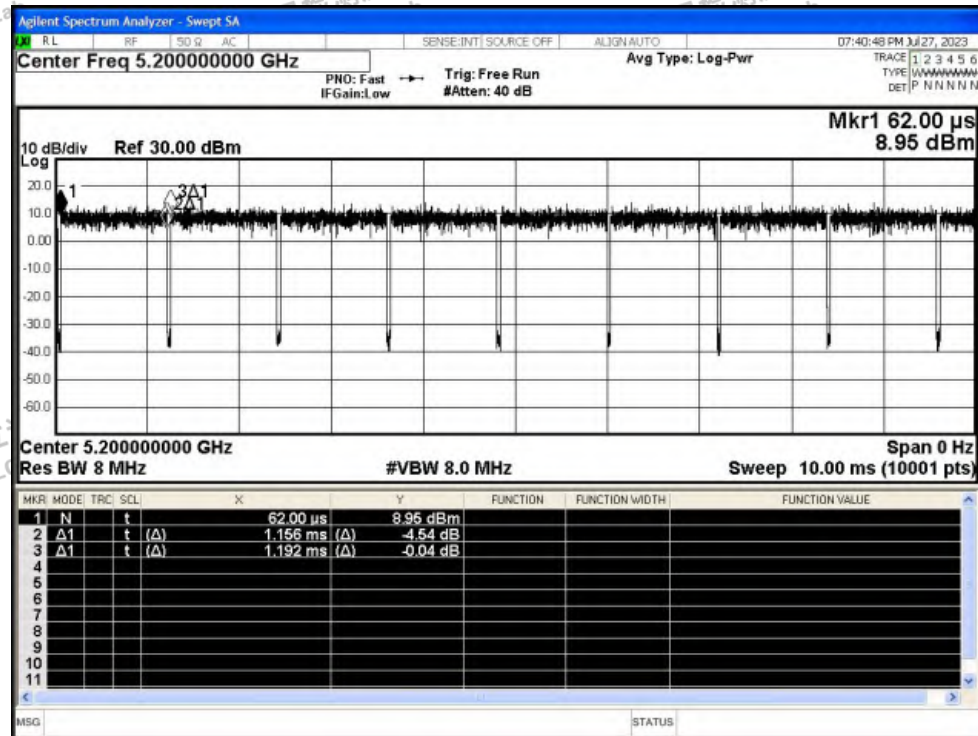
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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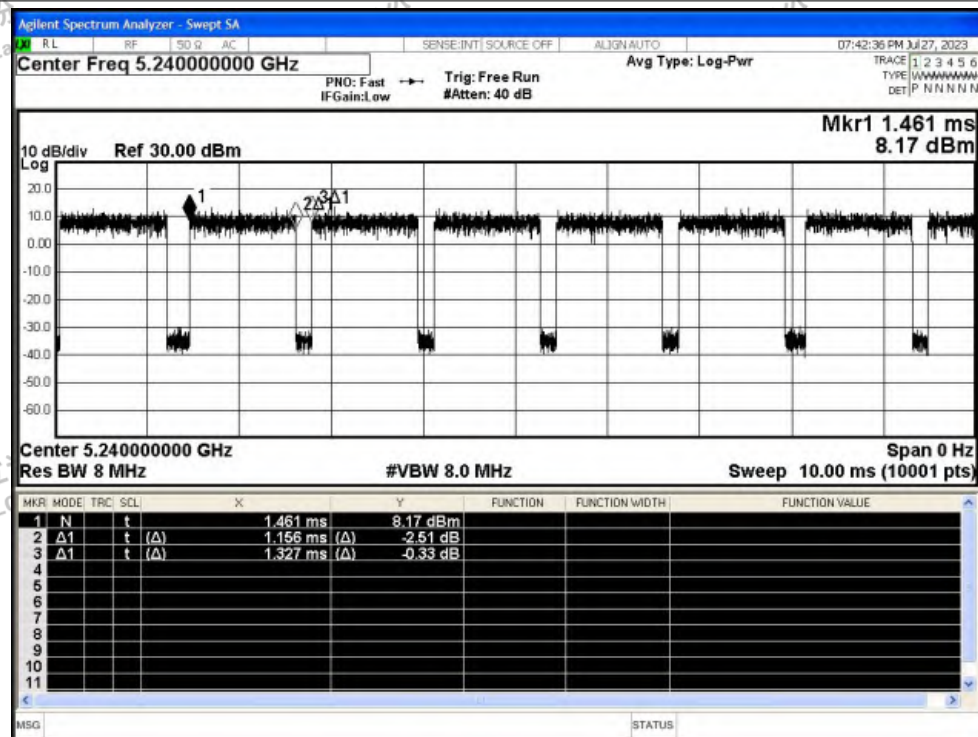
Scan code to check authenticity



Duty Cycle NVNT ax20 5200MHz Ant1



Duty Cycle NVNT ax20 5240MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

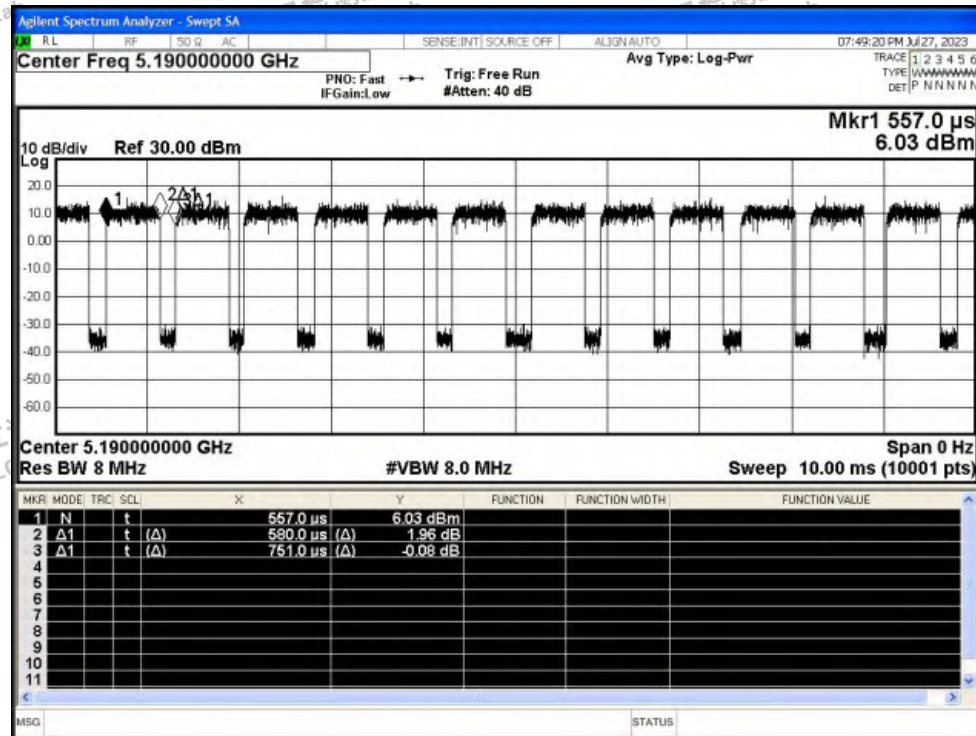
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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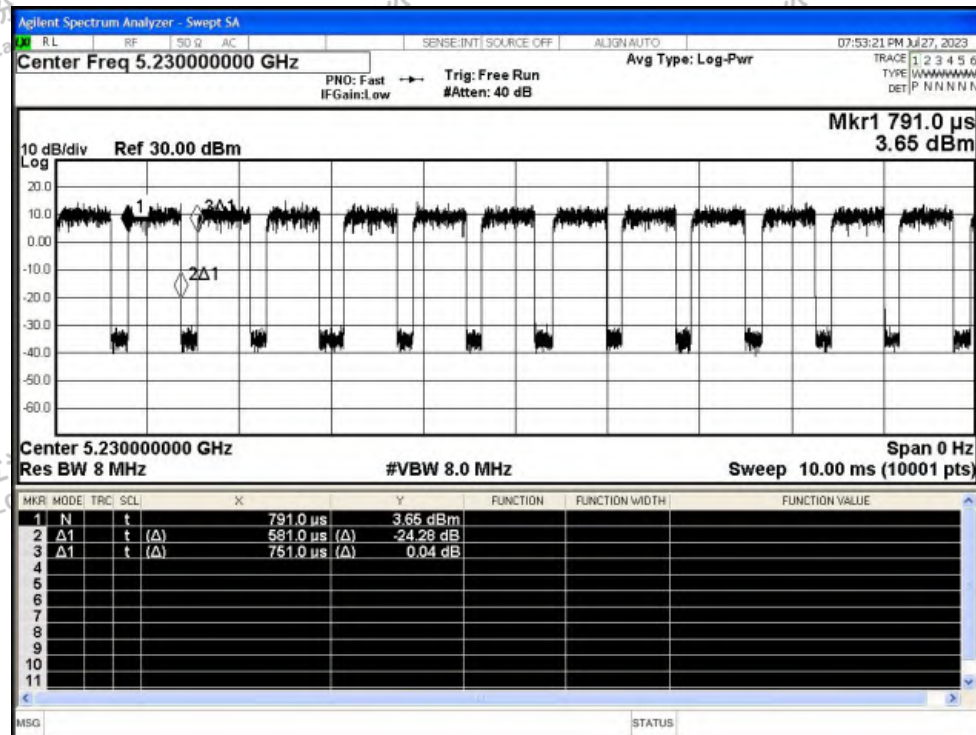
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Duty Cycle NVNT ax40 5190MHz Ant1



Duty Cycle NVNT ax40 5230MHz Ant1



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