



Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: Smart Speaker

Test Model: L1

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng



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



D.1 -26dB Bandwidth

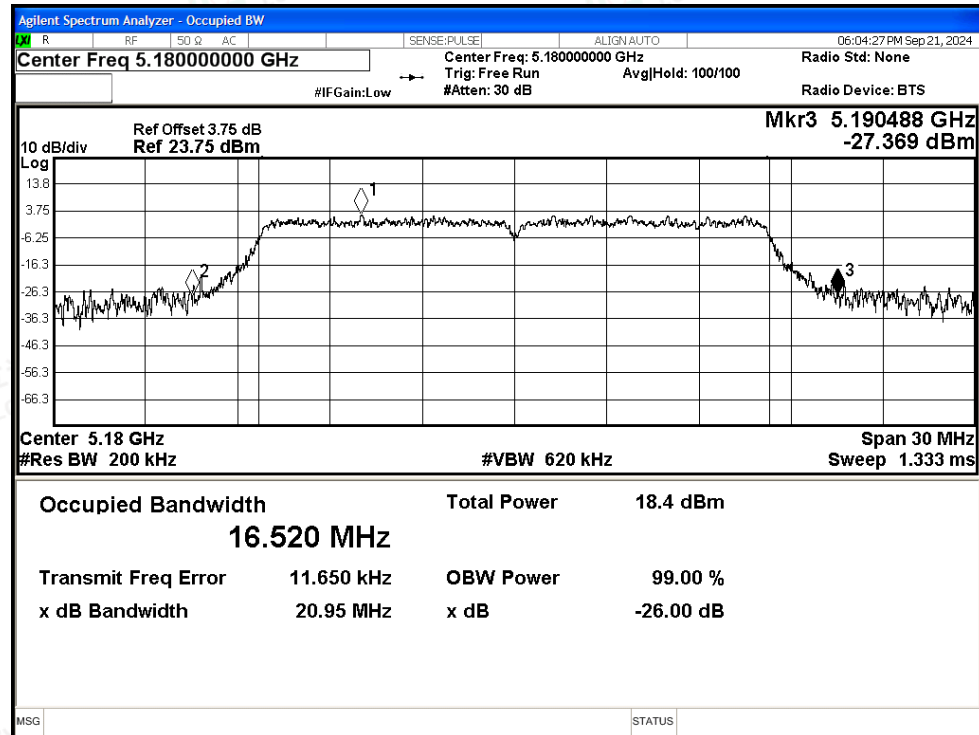
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant2	20.953	≥ 0.5	Pass
NVNT	a	5200	Ant2	20.152	≥ 0.5	Pass
NVNT	a	5240	Ant2	23.592	≥ 0.5	Pass
NVNT	n20	5180	Ant2	27.472	≥ 0.5	Pass
NVNT	n20	5200	Ant2	26.726	≥ 0.5	Pass
NVNT	n20	5240	Ant2	23.365	≥ 0.5	Pass
NVNT	n40	5190	Ant2	41.075	≥ 0.5	Pass
NVNT	n40	5230	Ant2	39.178	≥ 0.5	Pass
NVNT	ac20	5180	Ant2	26.335	≥ 0.5	Pass
NVNT	ac20	5200	Ant2	24.004	≥ 0.5	Pass
NVNT	ac20	5240	Ant2	25.806	≥ 0.5	Pass
NVNT	ac40	5190	Ant2	44.133	≥ 0.5	Pass
NVNT	ac40	5230	Ant2	44.793	≥ 0.5	Pass
NVNT	ax20	5180	Ant2	28.324	≥ 0.5	Pass
NVNT	ax20	5200	Ant2	28.612	≥ 0.5	Pass
NVNT	ax20	5240	Ant2	28.479	≥ 0.5	Pass
NVNT	ax40	5190	Ant2	41.145	≥ 0.5	Pass
NVNT	ax40	5230	Ant2	43.617	≥ 0.5	Pass



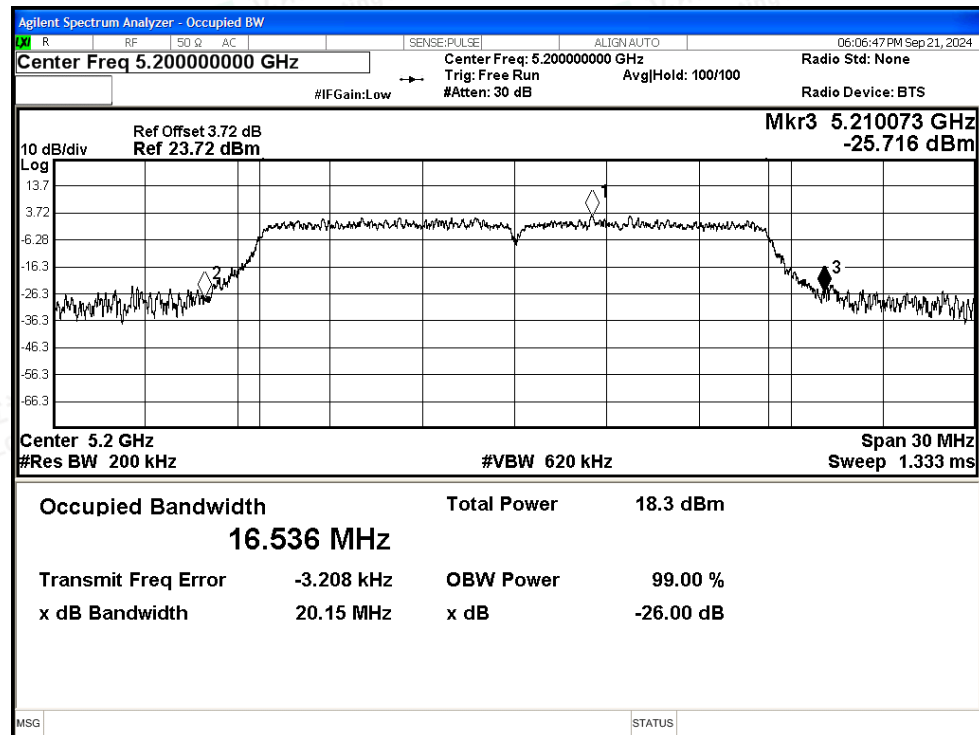


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant2



-26dB Bandwidth NVNT a 5200MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

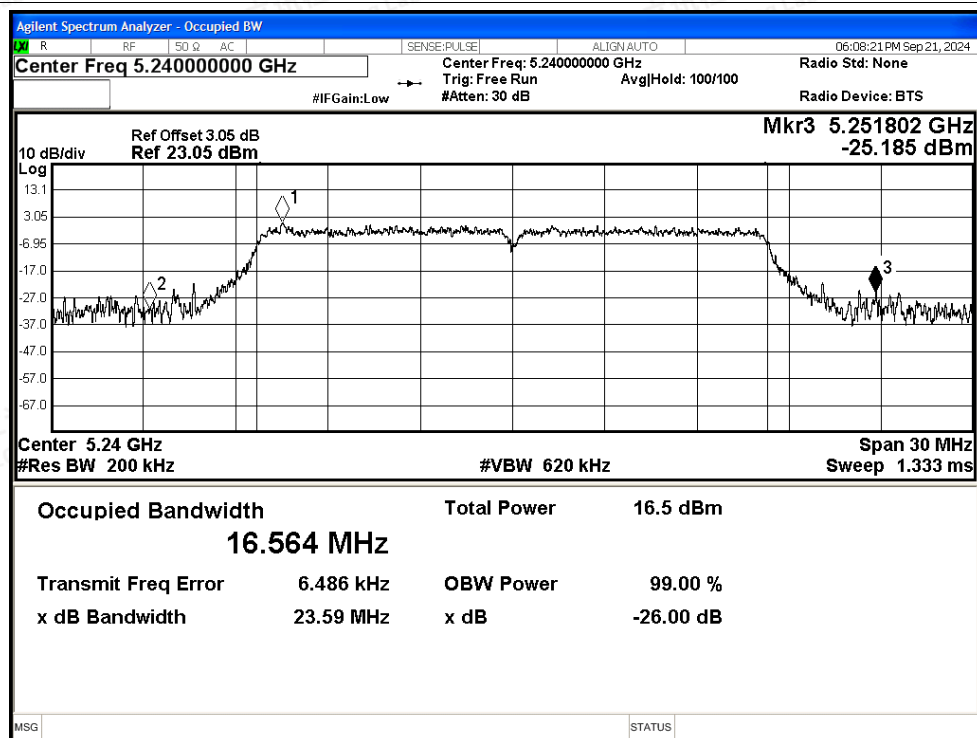
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

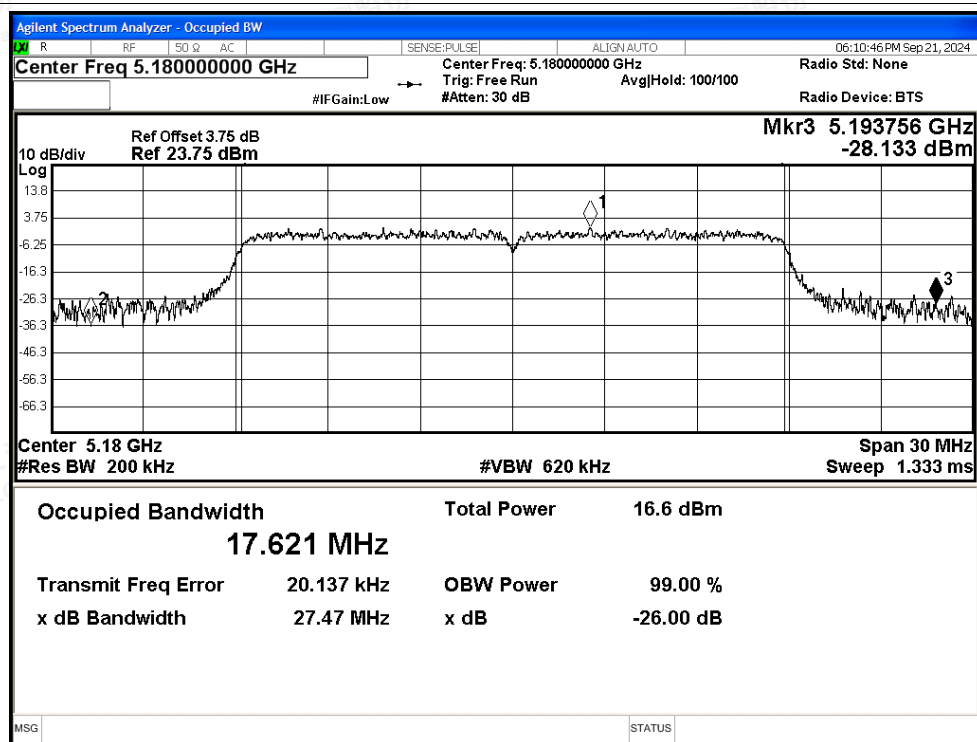
Scan code to check authenticity



-26dB Bandwidth NVNT a 5240MHz Ant2



-26dB Bandwidth NVNT n20 5180MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

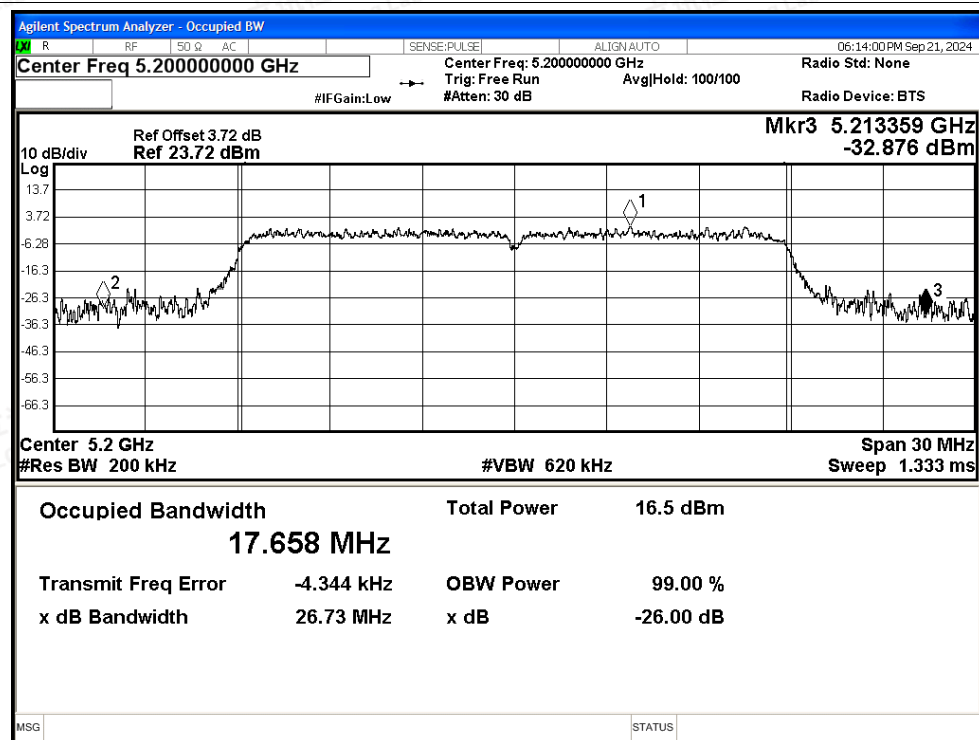
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

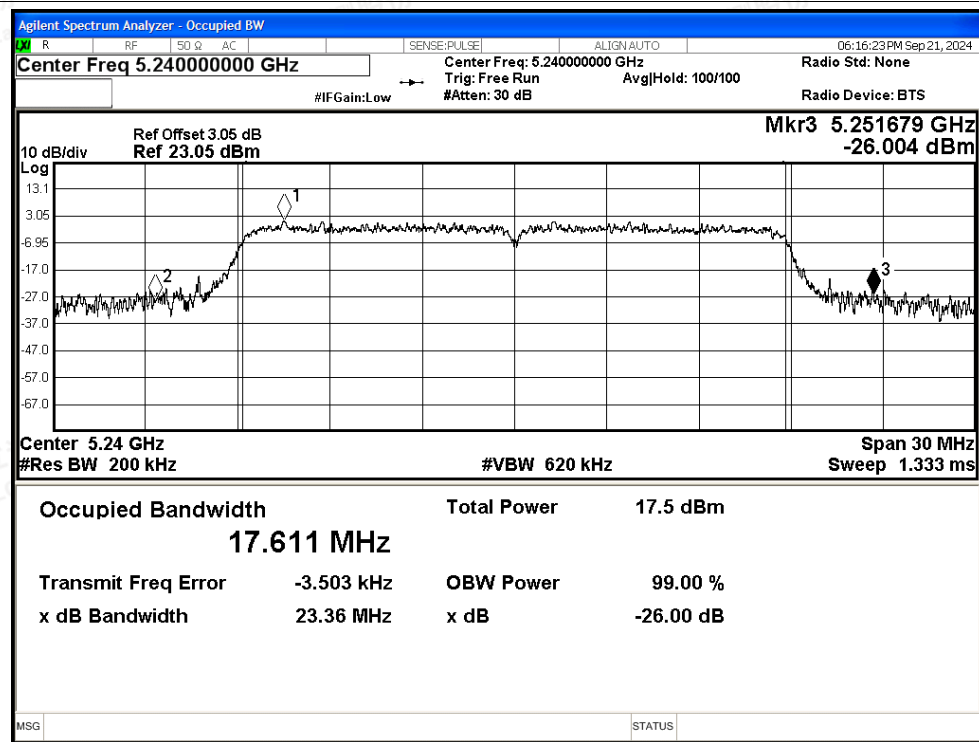
Scan code to check authenticity



-26dB Bandwidth NVNT n20 5200MHz Ant2

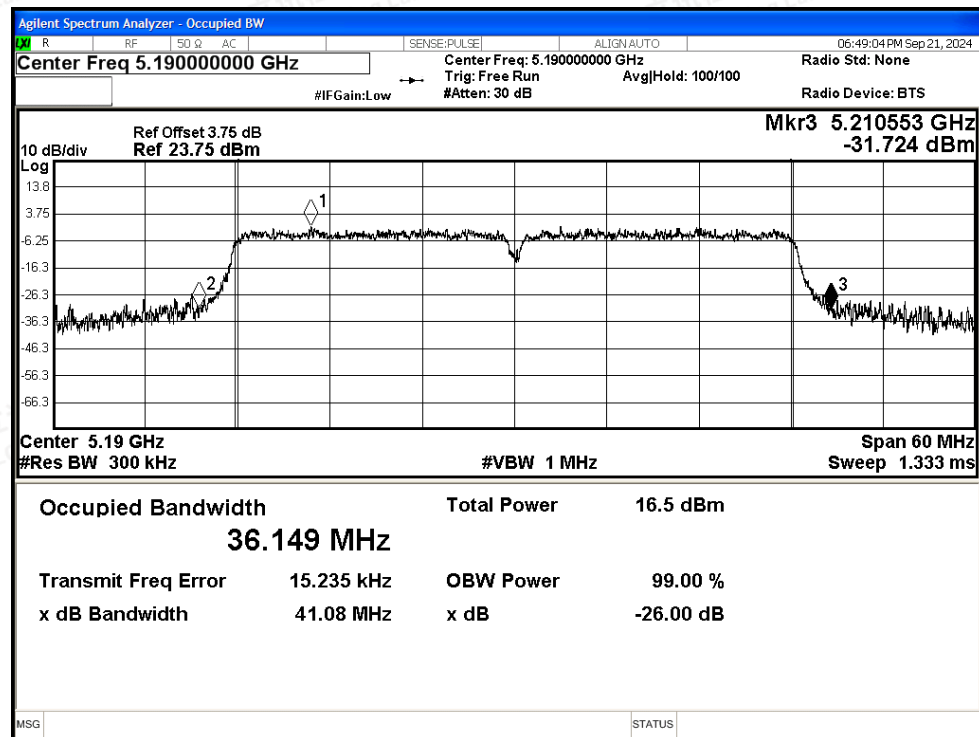


-26dB Bandwidth NVNT n20 5240MHz Ant2

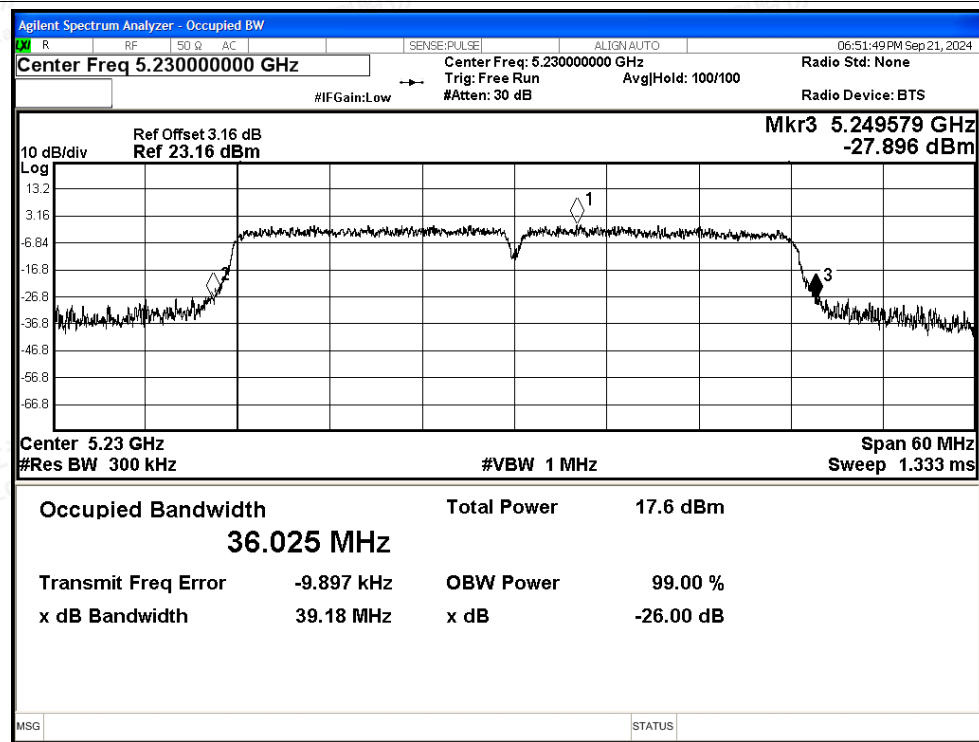




-26dB Bandwidth NVNT n40 5190MHz Ant2

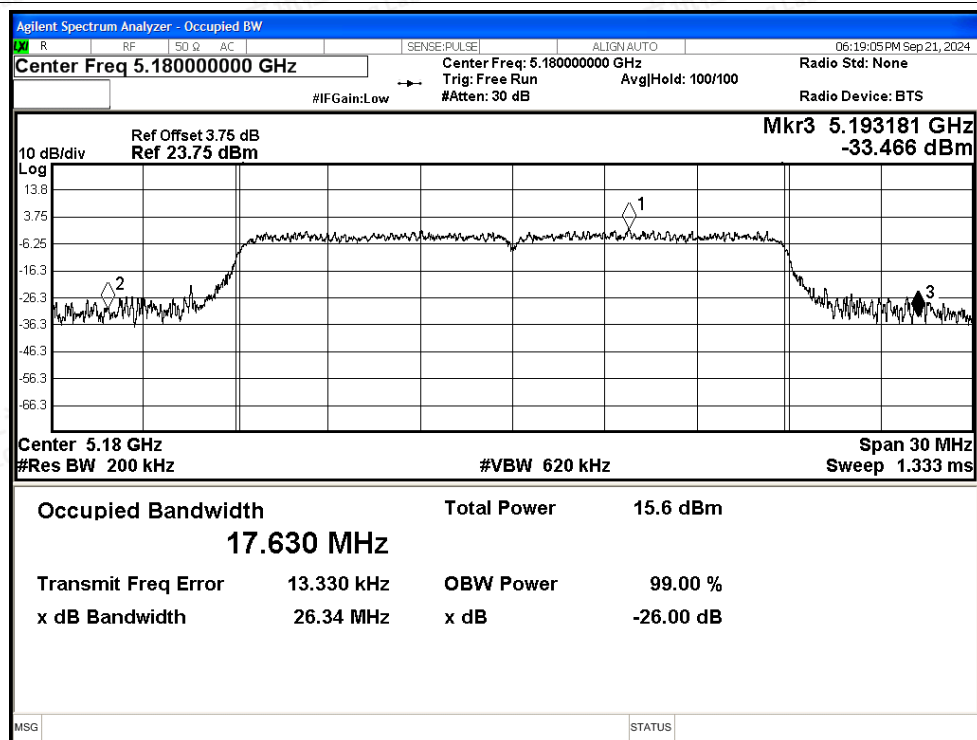


-26dB Bandwidth NVNT n40 5230MHz Ant2

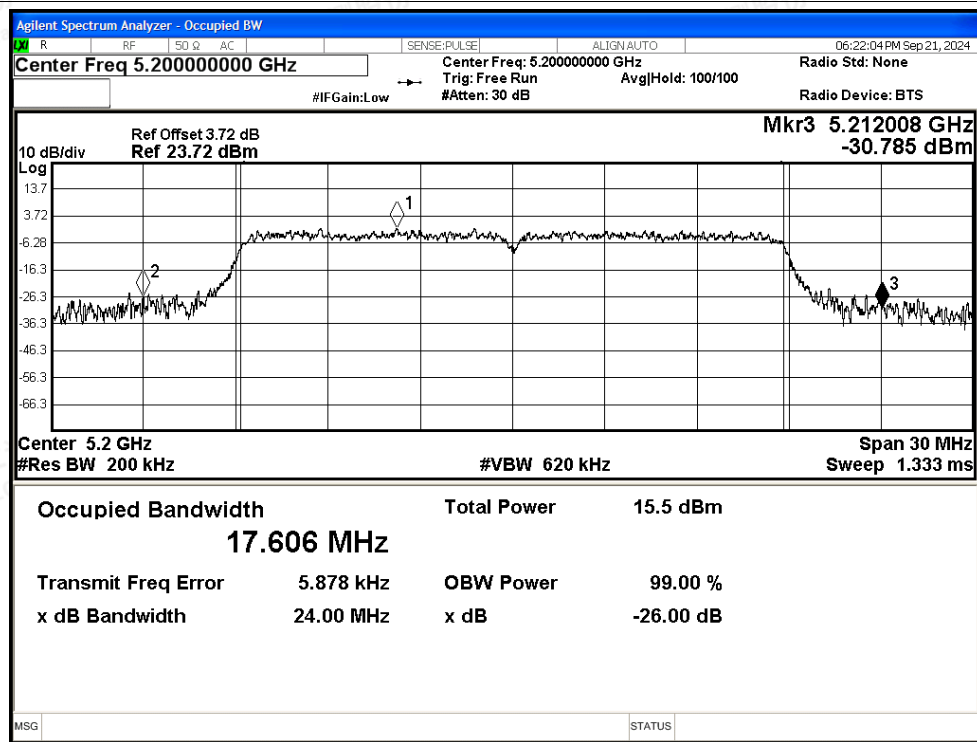




-26dB Bandwidth NVNT ac20 5180MHz Ant2



-26dB Bandwidth NVNT ac20 5200MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

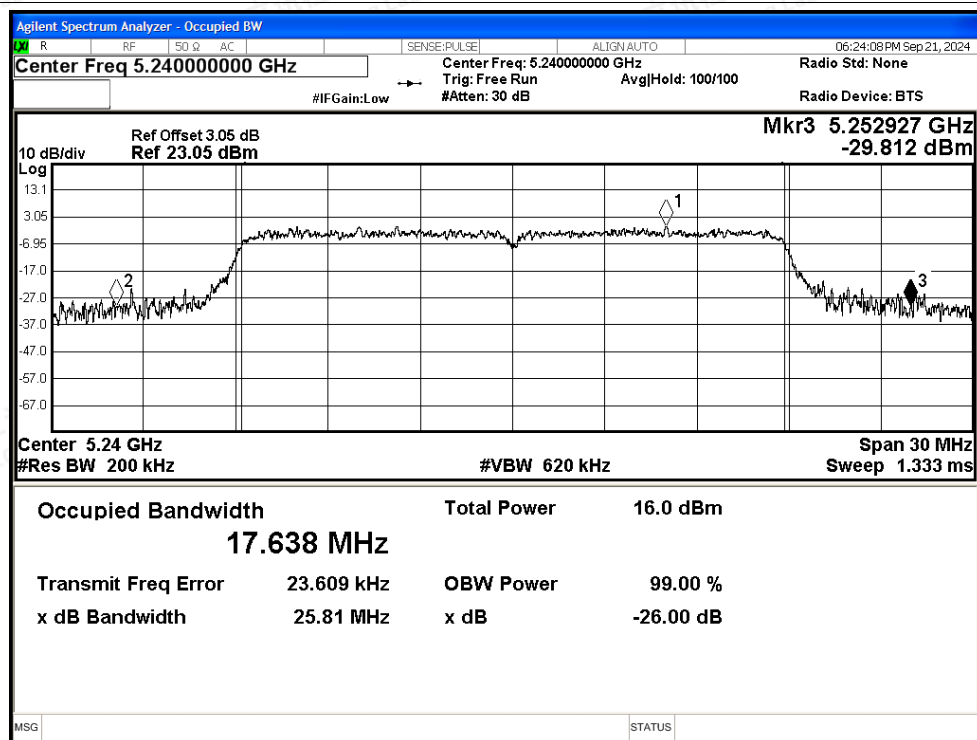
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

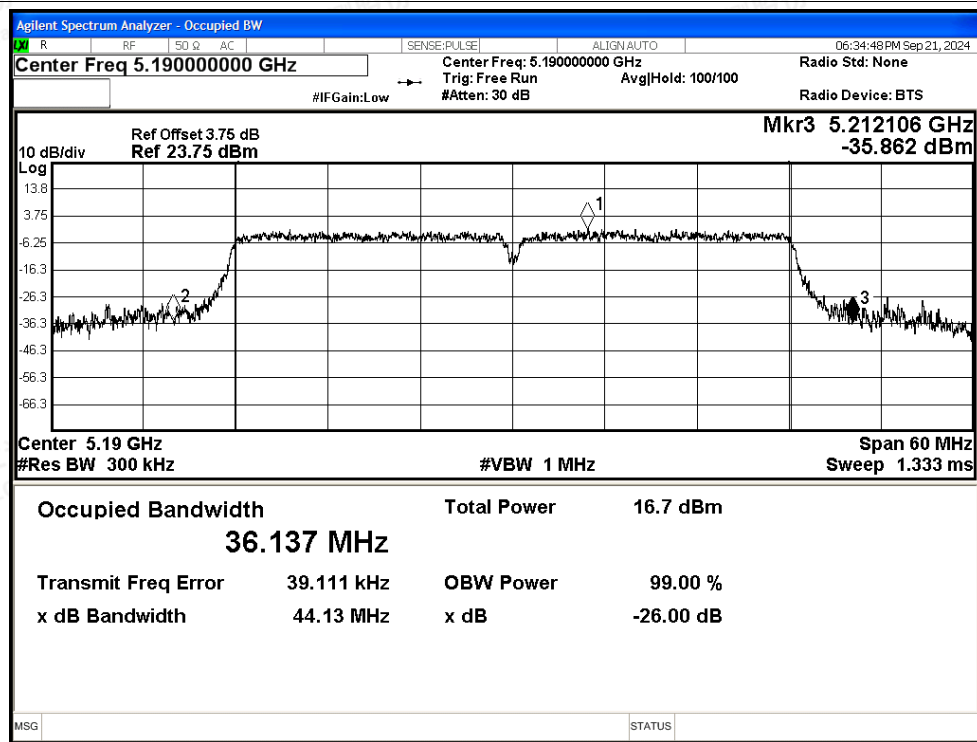
Scan code to check authenticity



-26dB Bandwidth NVNT ac20 5240MHz Ant2



-26dB Bandwidth NVNT ac40 5190MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

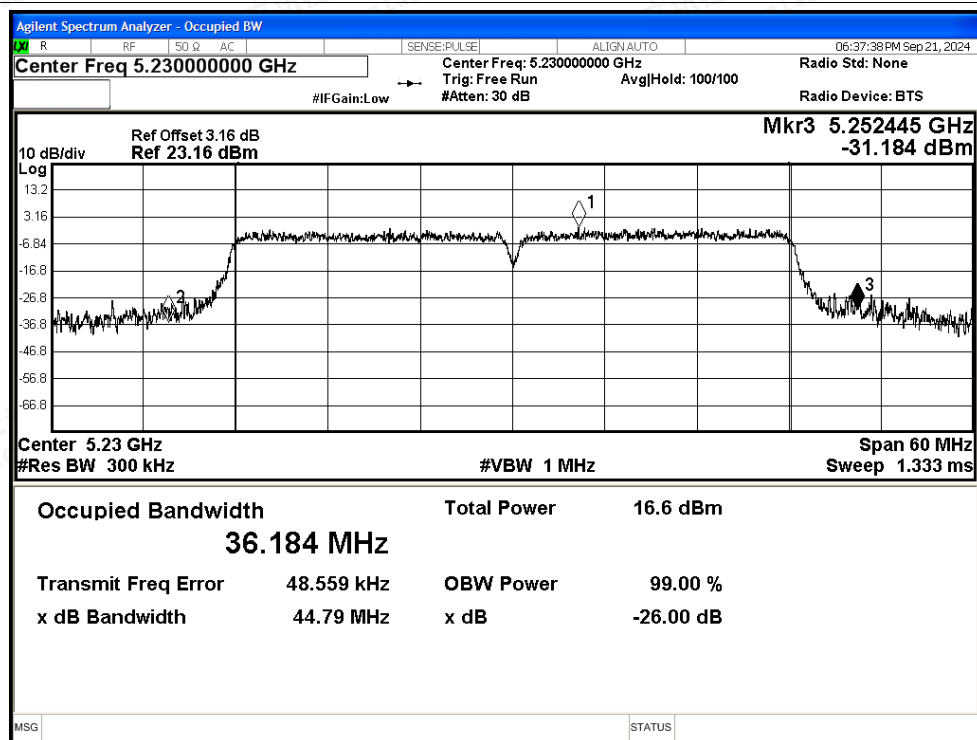
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

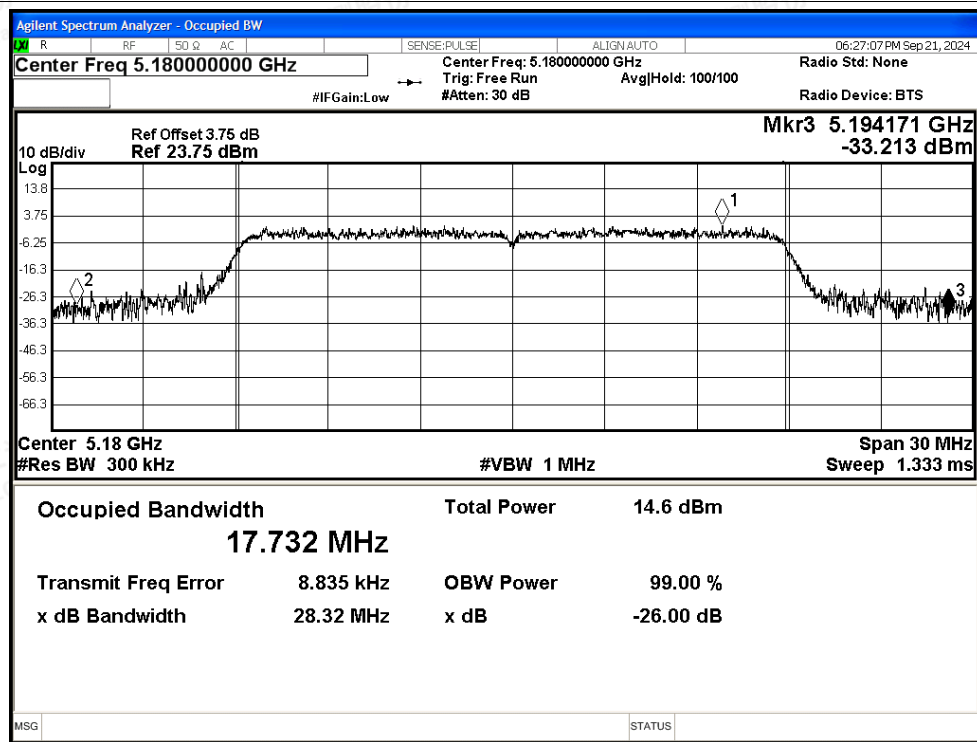
Scan code to check authenticity



-26dB Bandwidth NVNT ac40 5230MHz Ant2



-26dB Bandwidth NVNT ax20 5180MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

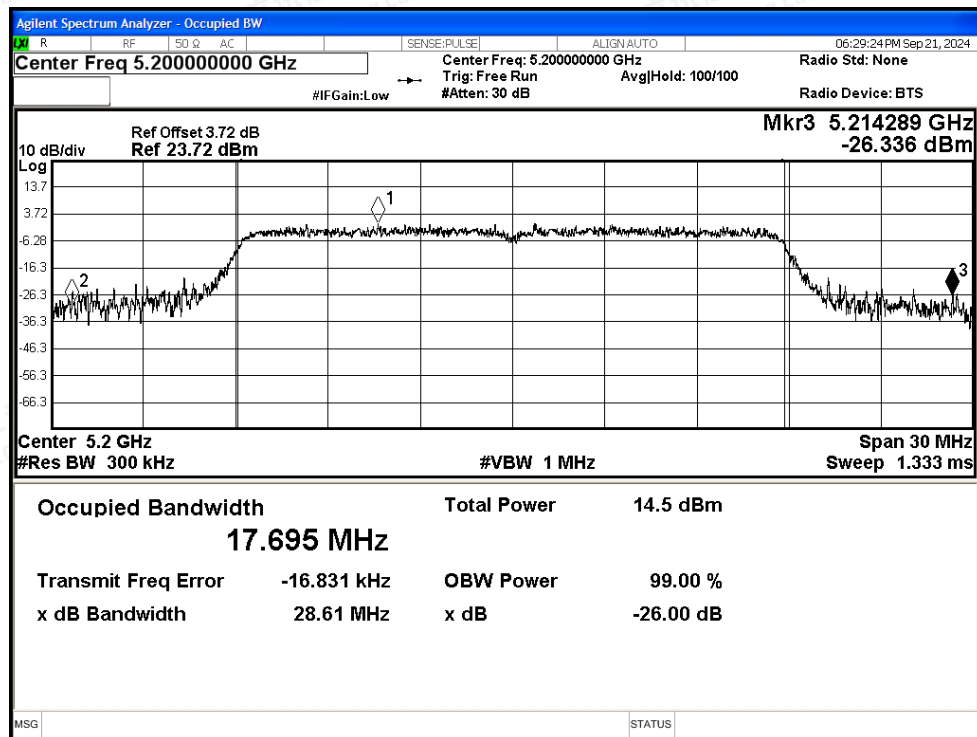
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

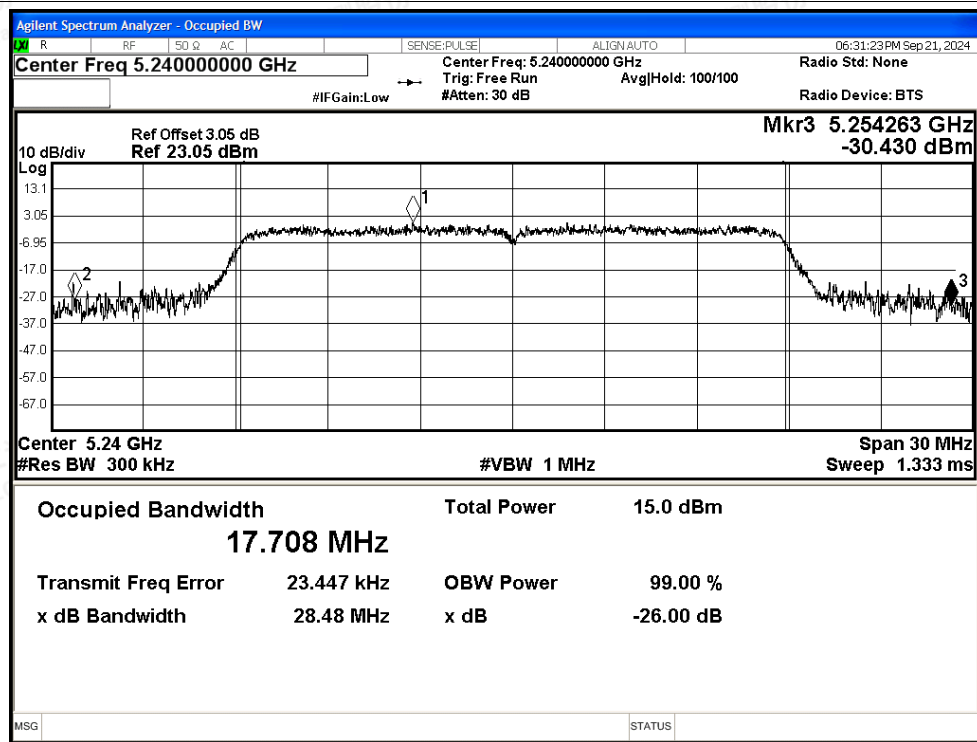
Scan code to check authenticity



-26dB Bandwidth NVNT ax20 5200MHz Ant2



-26dB Bandwidth NVNT ax20 5240MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

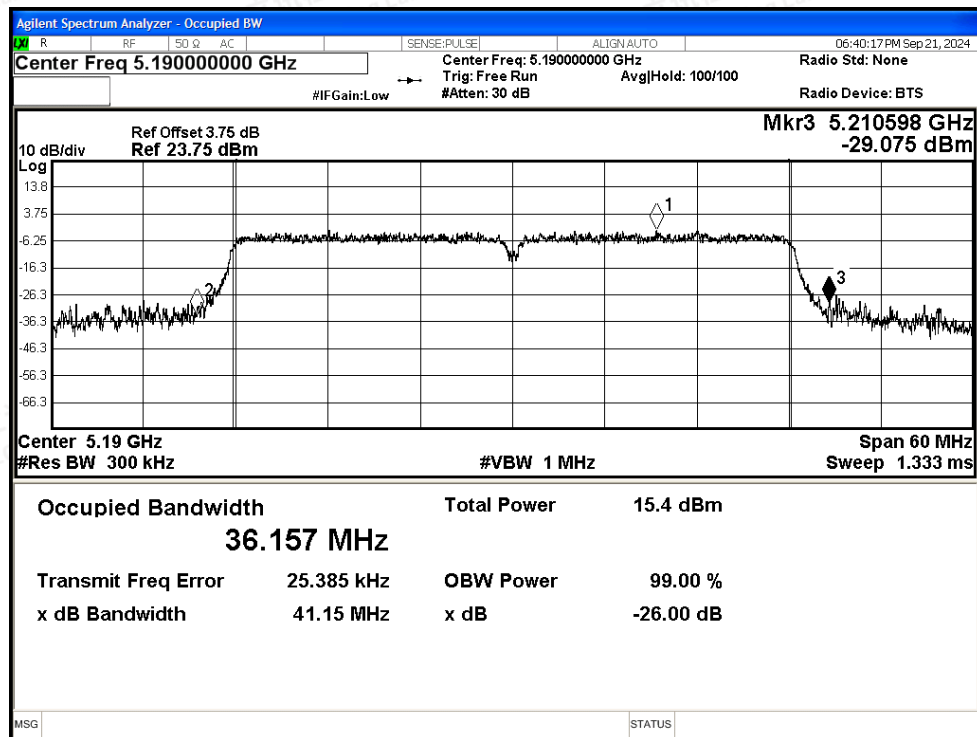
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

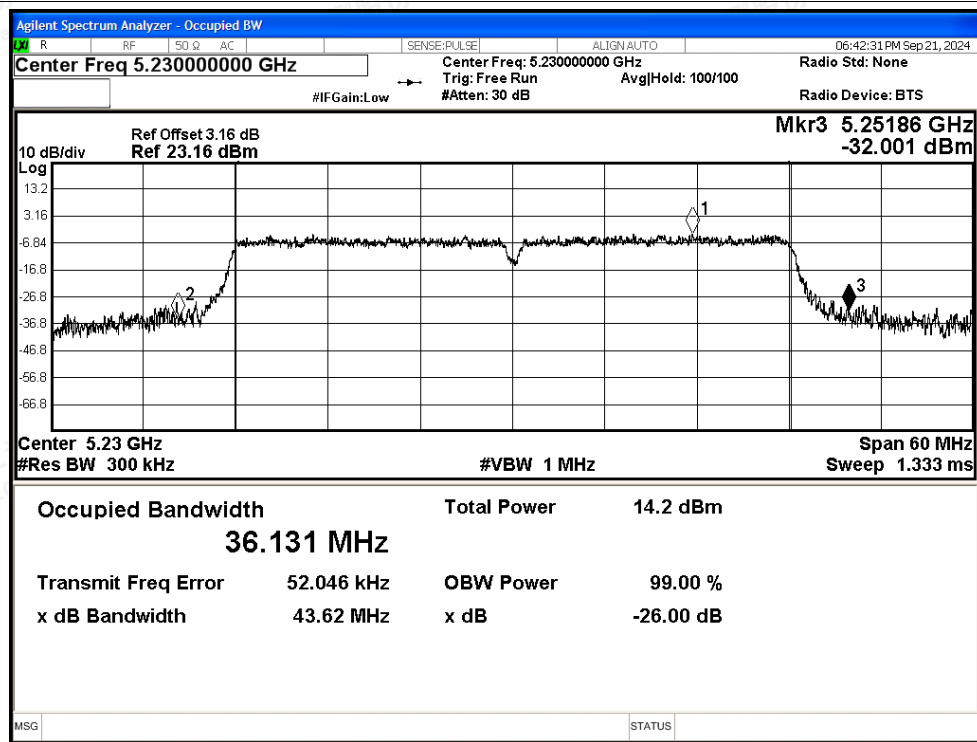
Scan code to check authenticity



-26dB Bandwidth NVNT ax40 5190MHz Ant2



-26dB Bandwidth NVNT ax40 5230MHz Ant2



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



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	Ant2	12.38	0.24	12.62	24	Pass
NVNT	a	5200	Ant2	12.17	0.24	12.41	24	Pass
NVNT	a	5240	Ant2	10.75	0.24	10.99	24	Pass
NVNT	n20	5180	Ant2	11	0.12	11.12	24	Pass
NVNT	n20	5200	Ant2	10.97	0.12	11.09	24	Pass
NVNT	n20	5240	Ant2	11.67	0.12	11.79	24	Pass
NVNT	n40	5190	Ant2	10.76	0.12	10.88	24	Pass
NVNT	n40	5230	Ant2	11.66	0.12	11.78	24	Pass
NVNT	ac20	5180	Ant2	10.09	0.12	10.21	24	Pass
NVNT	ac20	5200	Ant2	9.96	0.12	10.08	24	Pass
NVNT	ac20	5240	Ant2	10.46	0.12	10.58	24	Pass
NVNT	ac40	5190	Ant2	10.75	0	10.75	24	Pass
NVNT	ac40	5230	Ant2	10.9	9.03	10.93	24	Pass
NVNT	ax20	5180	Ant2	9.13	0.12	9.25	24	Pass
NVNT	ax20	5200	Ant2	9.02	0.12	9.14	24	Pass
NVNT	ax20	5240	Ant2	9.42	0.12	9.54	24	Pass
NVNT	ax40	5190	Ant2	9.67	0.12	9.79	24	Pass
NVNT	ax40	5230	Ant2	8.34	0.12	8.46	24	Pass





D.3 Maximum Power Spectral Density Level

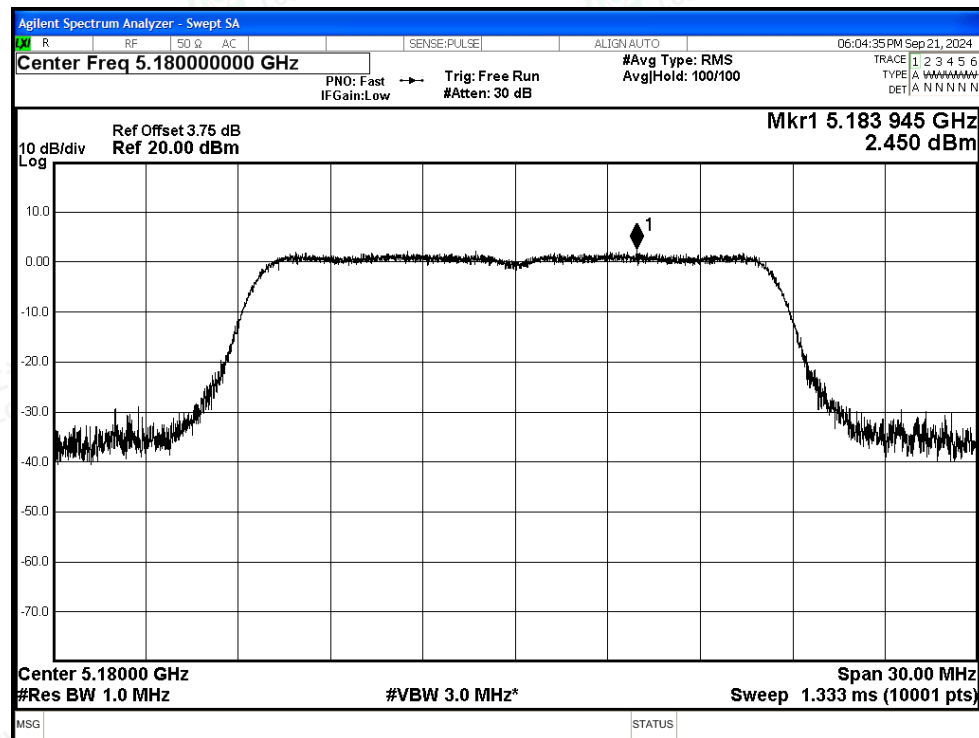
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant2	2.45	0.24	2.69	11	Pass
NVNT	a	5200	Ant2	1.91	0.24	2.15	11	Pass
NVNT	a	5240	Ant2	0.07	0.24	0.31	11	Pass
NVNT	n20	5180	Ant2	0.16	0.12	0.28	11	Pass
NVNT	n20	5200	Ant2	0.14	0.12	0.26	11	Pass
NVNT	n20	5240	Ant2	0.96	0.12	1.08	11	Pass
NVNT	n40	5190	Ant2	-3.26	0.12	-3.14	11	Pass
NVNT	n40	5230	Ant2	-1.9	0.12	-1.78	11	Pass
NVNT	ac20	5180	Ant2	-0.64	0.12	-0.52	11	Pass
NVNT	ac20	5200	Ant2	-0.69	0.12	-0.57	11	Pass
NVNT	ac20	5240	Ant2	-0.18	0.12	-0.06	11	Pass
NVNT	ac40	5190	Ant2	-3.15	0	-3.15	11	Pass
NVNT	ac40	5230	Ant2	-2.37	9.03	6.66	11	Pass
NVNT	ax20	5180	Ant2	-1.78	0.12	-1.66	11	Pass
NVNT	ax20	5200	Ant2	-1.71	0.12	-1.59	11	Pass
NVNT	ax20	5240	Ant2	-1.21	0.12	-1.09	11	Pass
NVNT	ax40	5190	Ant2	-4.29	0.12	-4.17	11	Pass
NVNT	ax40	5230	Ant2	-5.28	0.12	-5.16	11	Pass



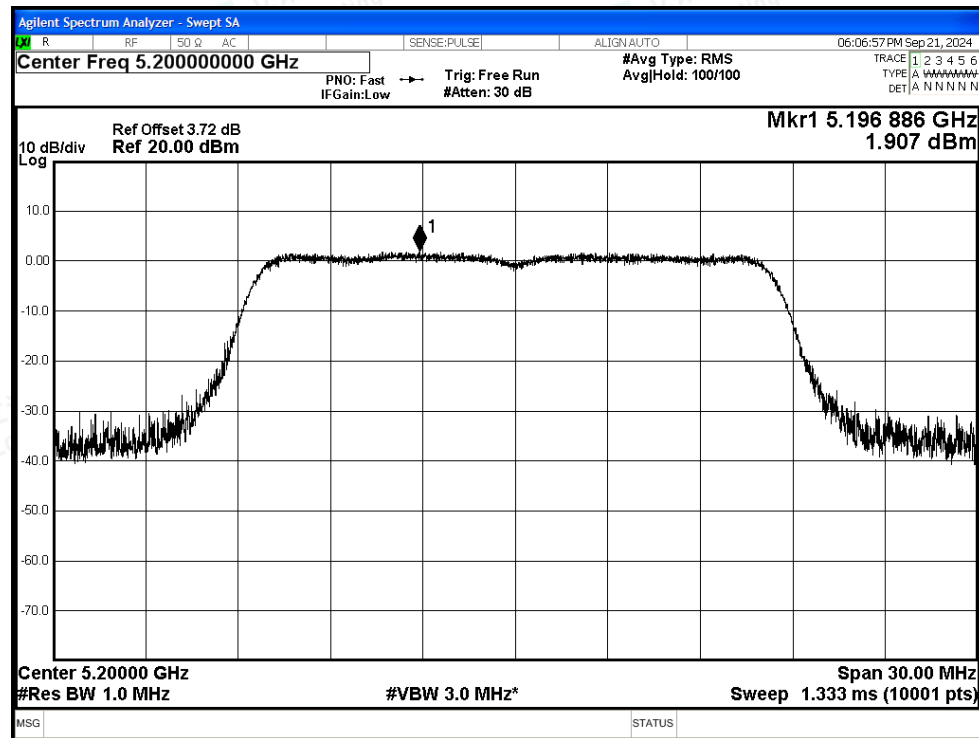


Test Graphs

PSD NVNT a 5180MHz Ant2

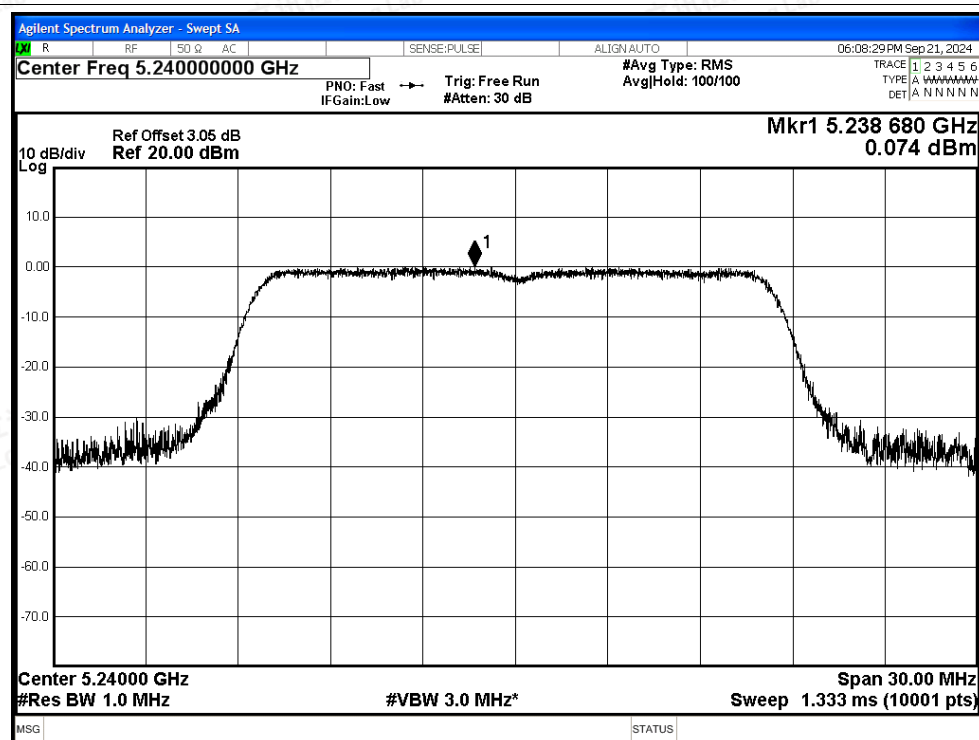


PSD NVNT a 5200MHz Ant2

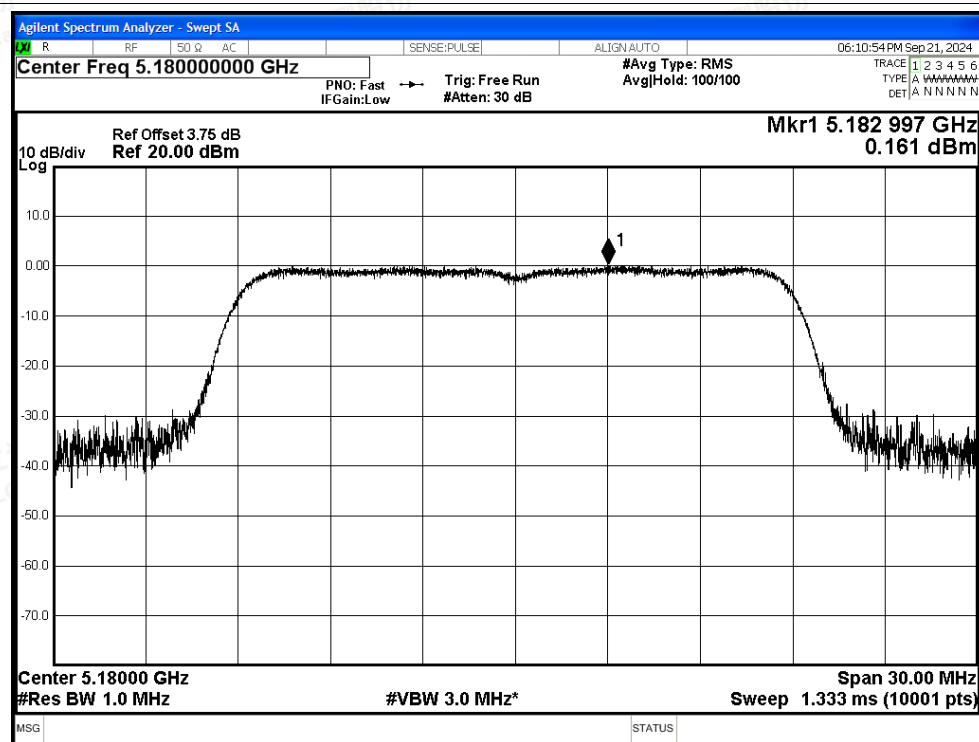


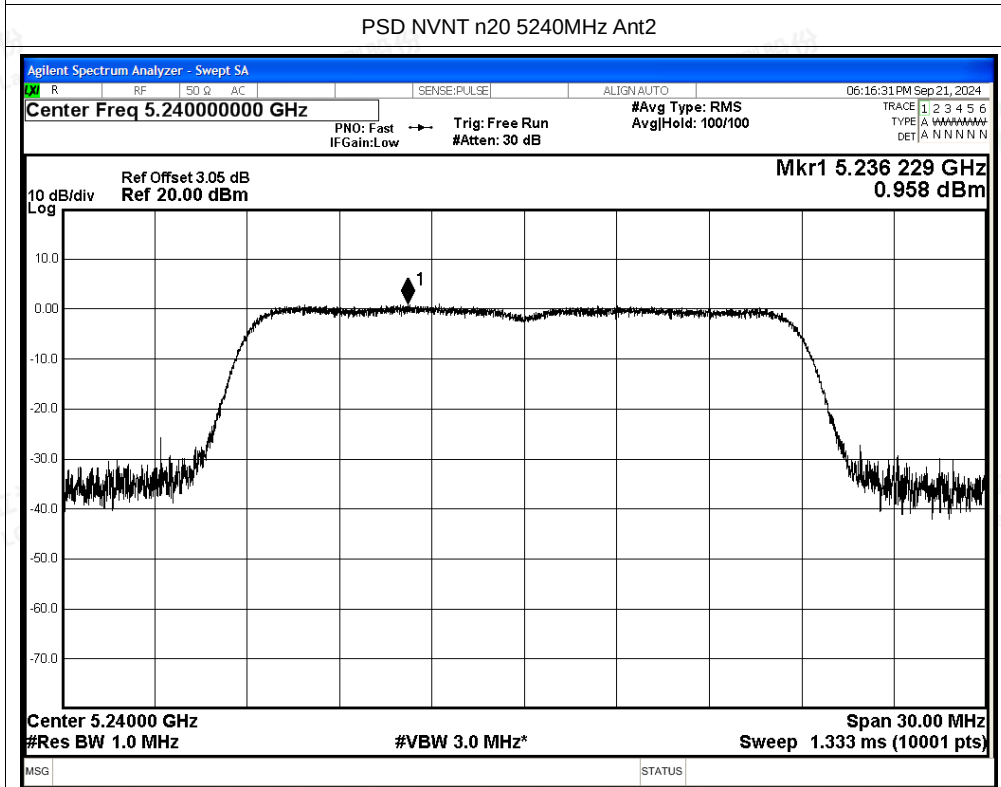
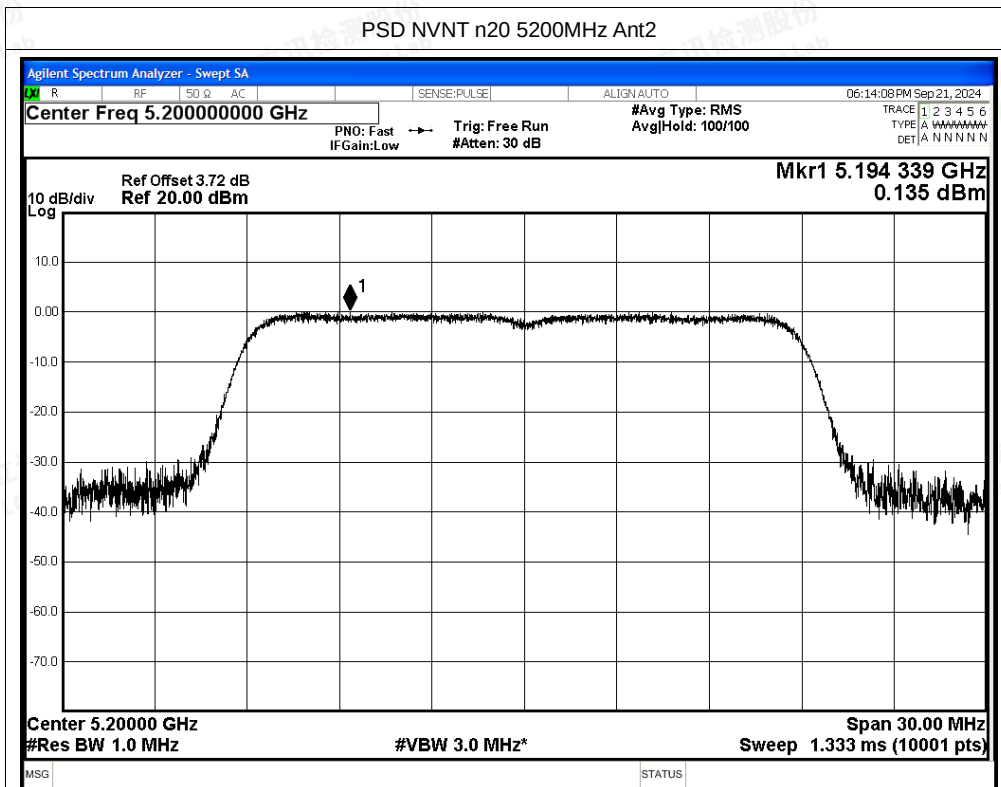


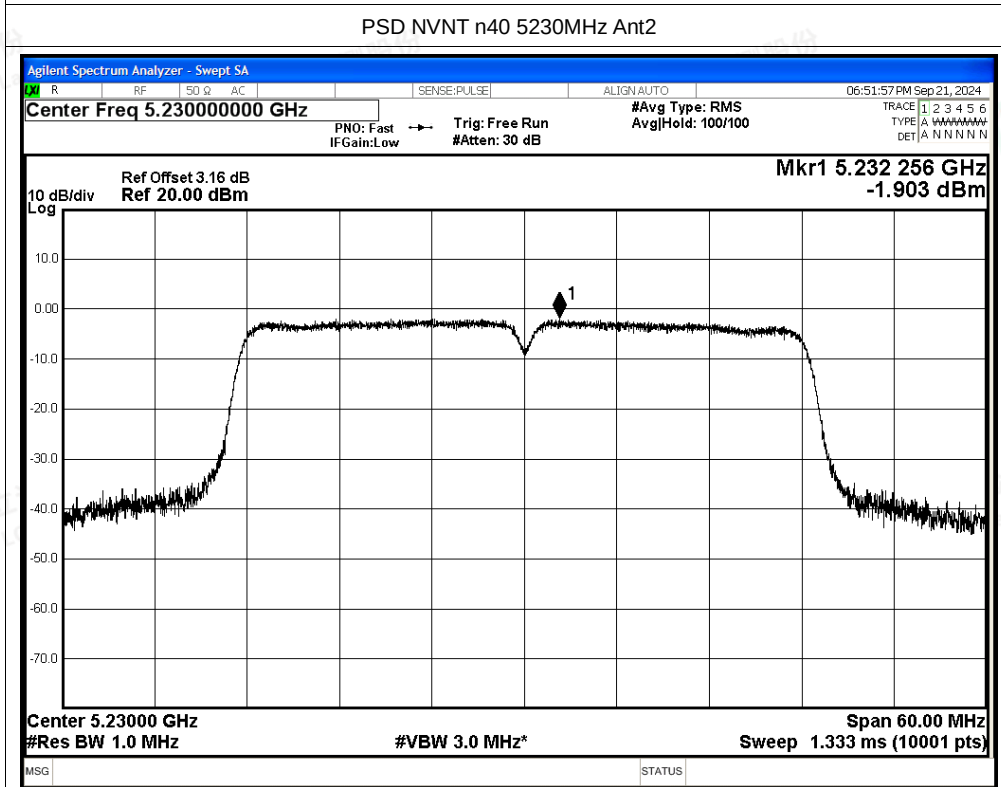
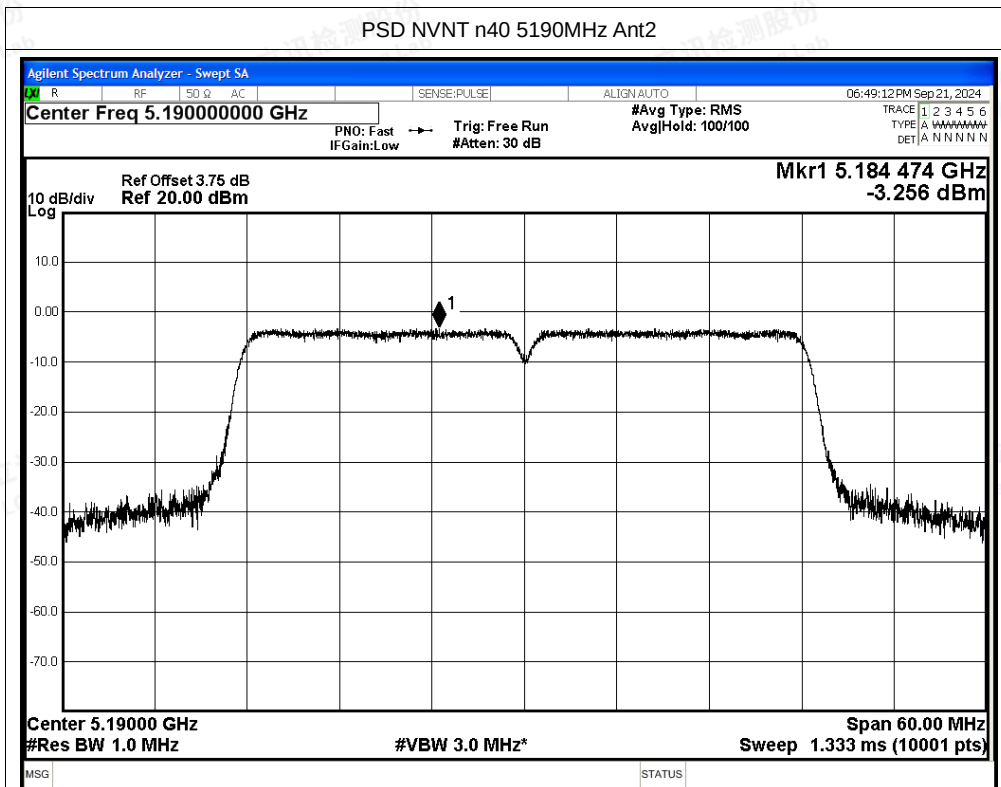
PSD NVNT a 5240MHz Ant2

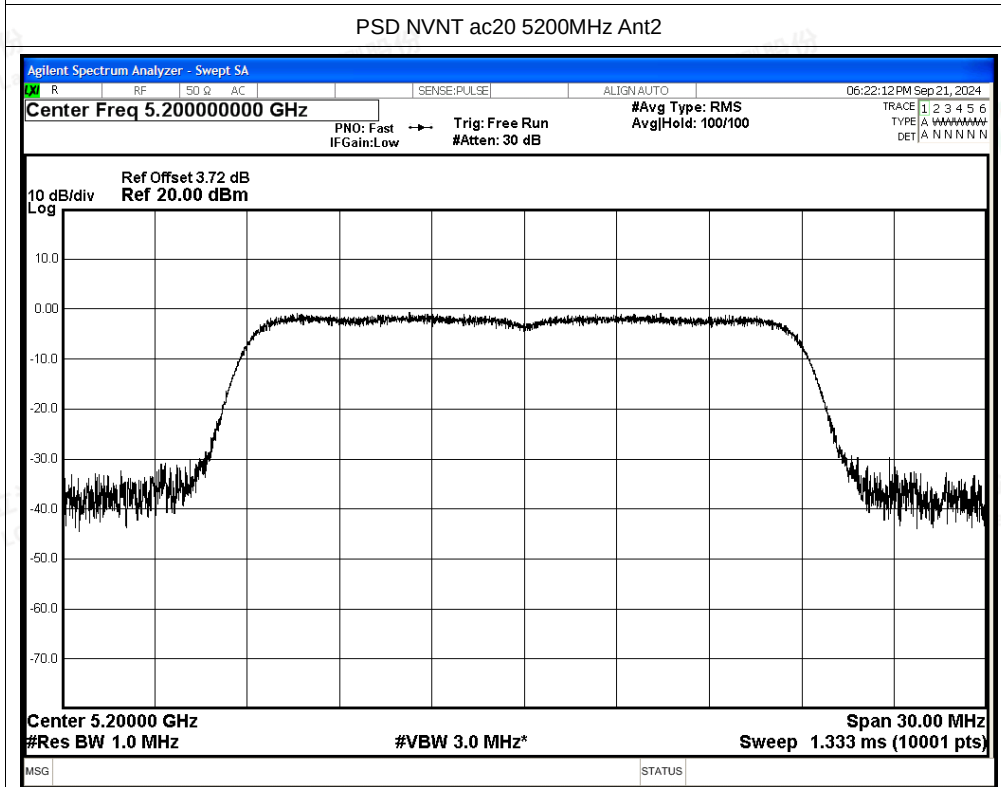
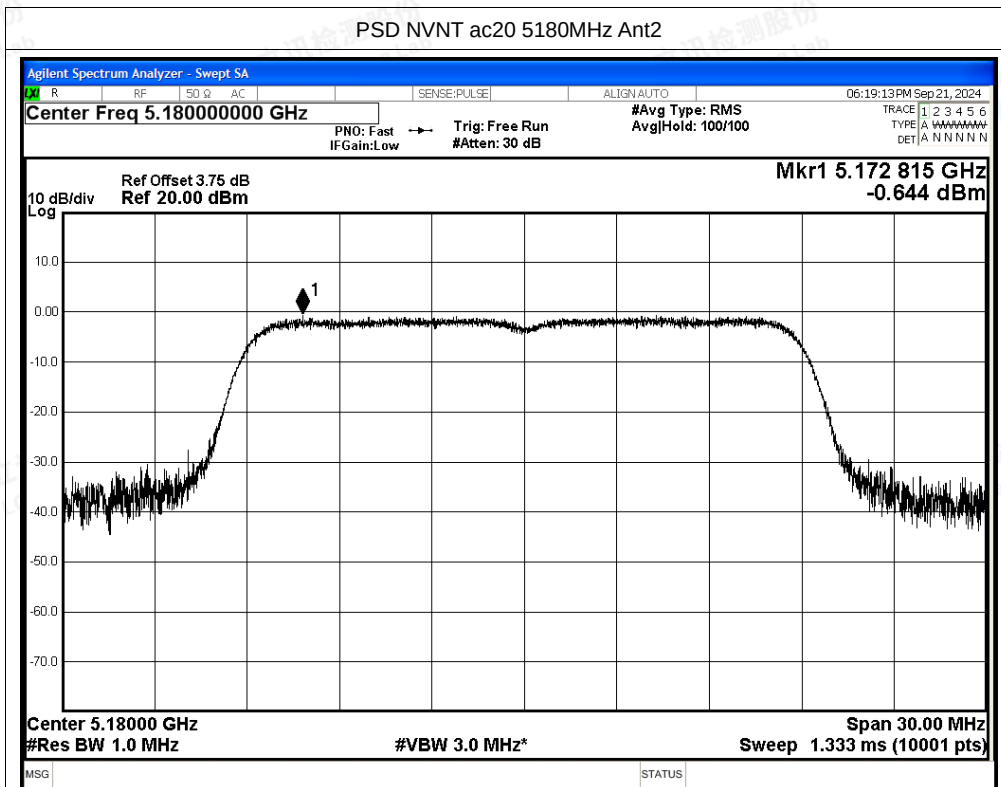


PSD NVNT n20 5180MHz Ant2



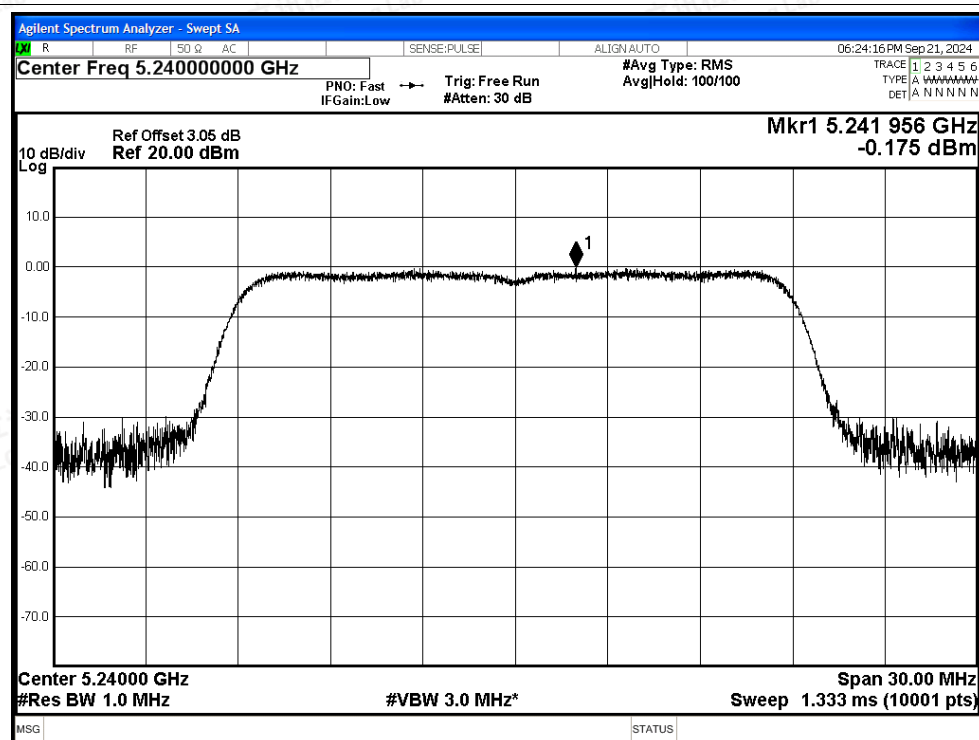




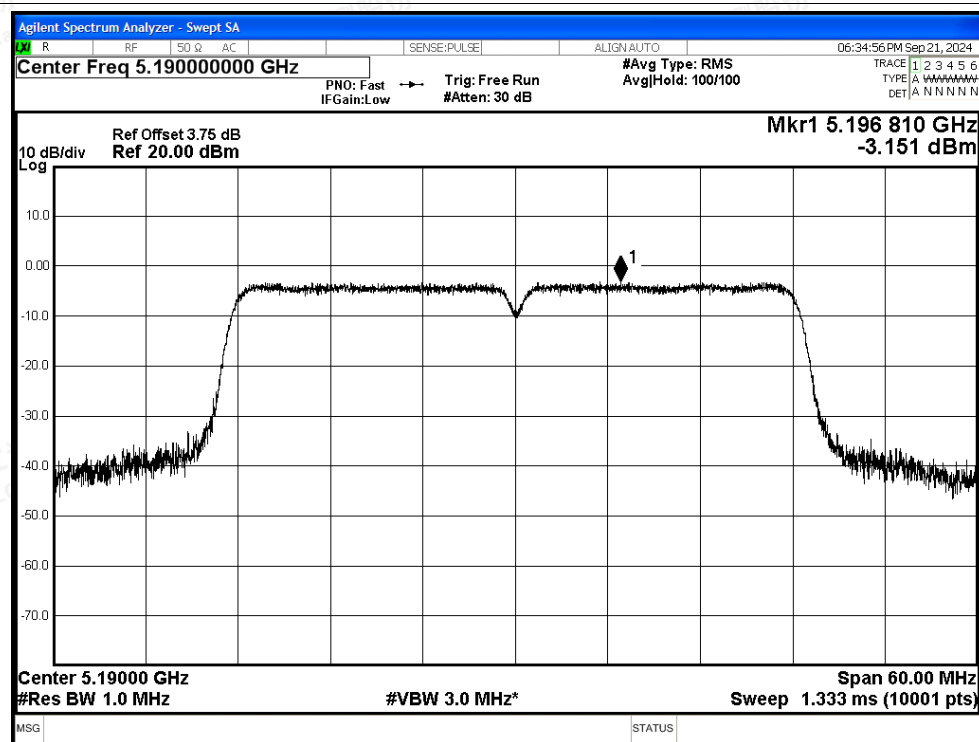




PSD NVNT ac20 5240MHz Ant2

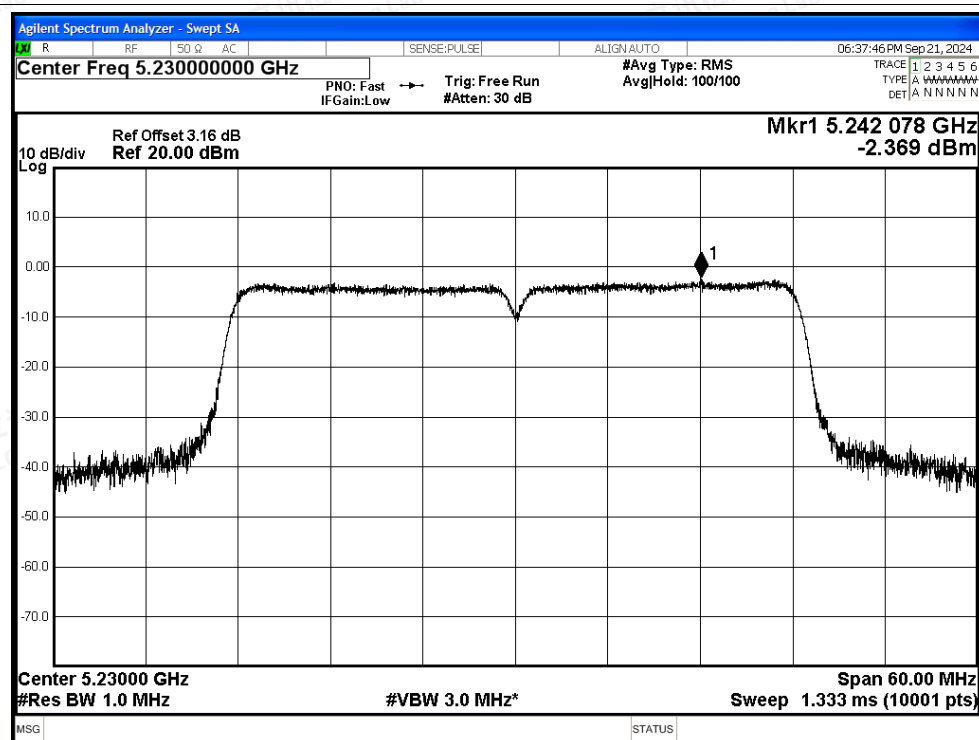


PSD NVNT ac40 5190MHz Ant2

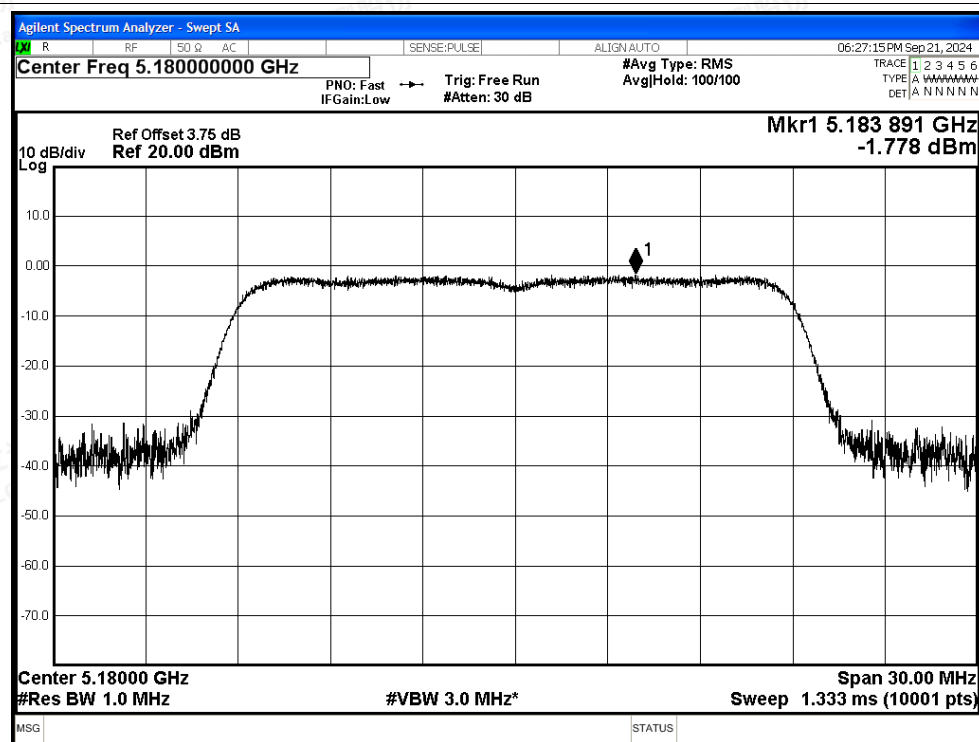




PSD NVNT ac40 5230MHz Ant2

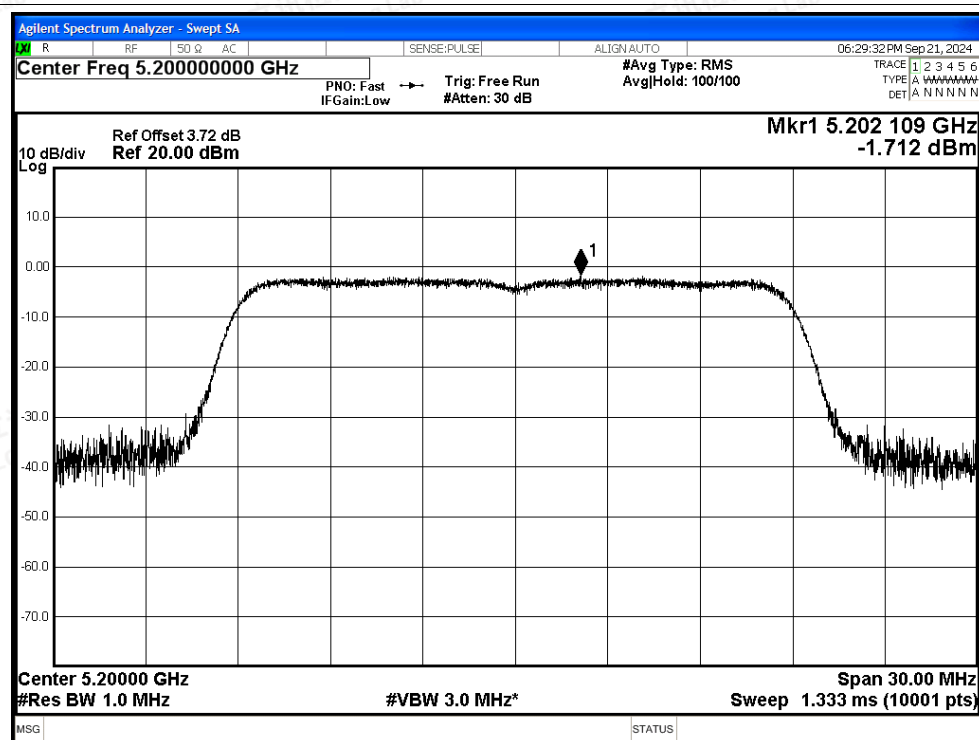


PSD NVNT ax20 5180MHz Ant2

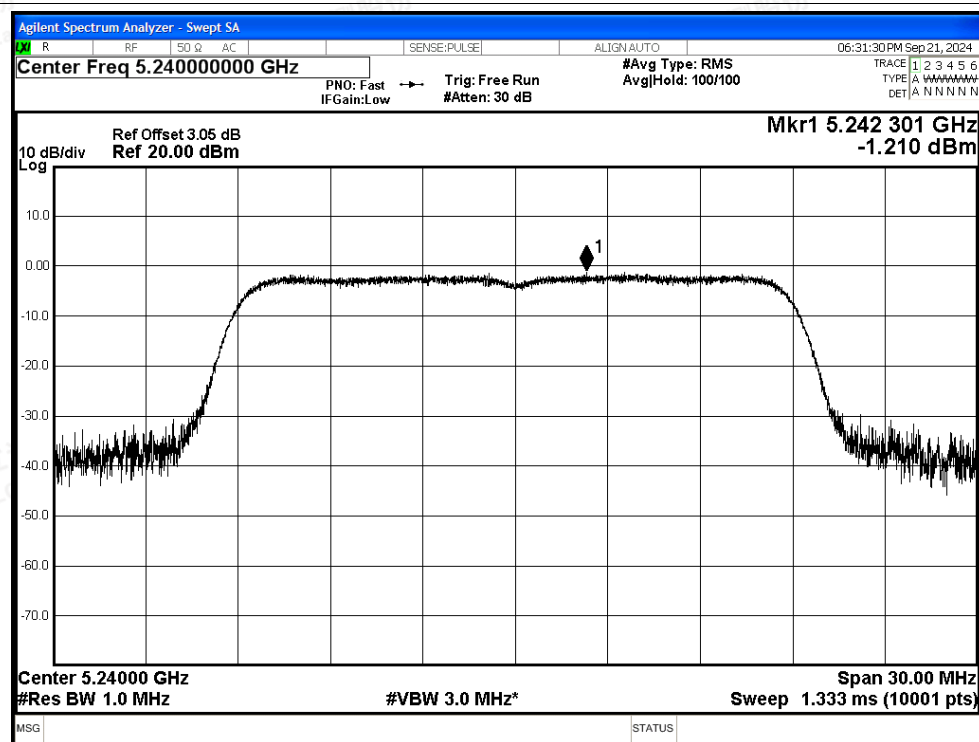




PSD NVNT ax20 5200MHz Ant2

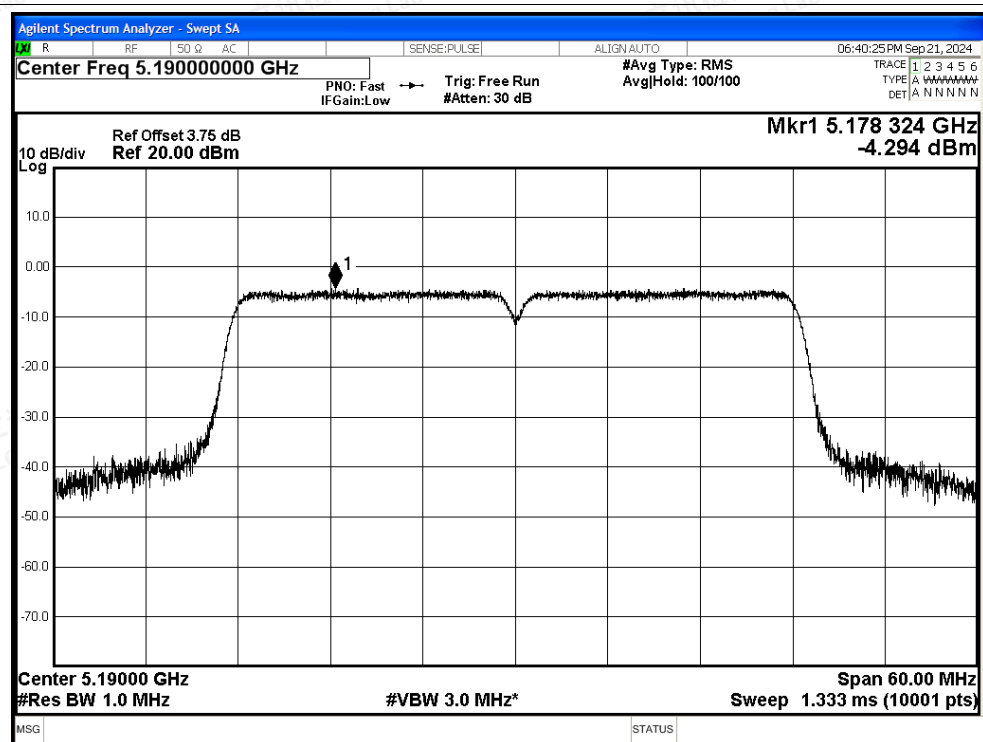


PSD NVNT ax20 5240MHz Ant2

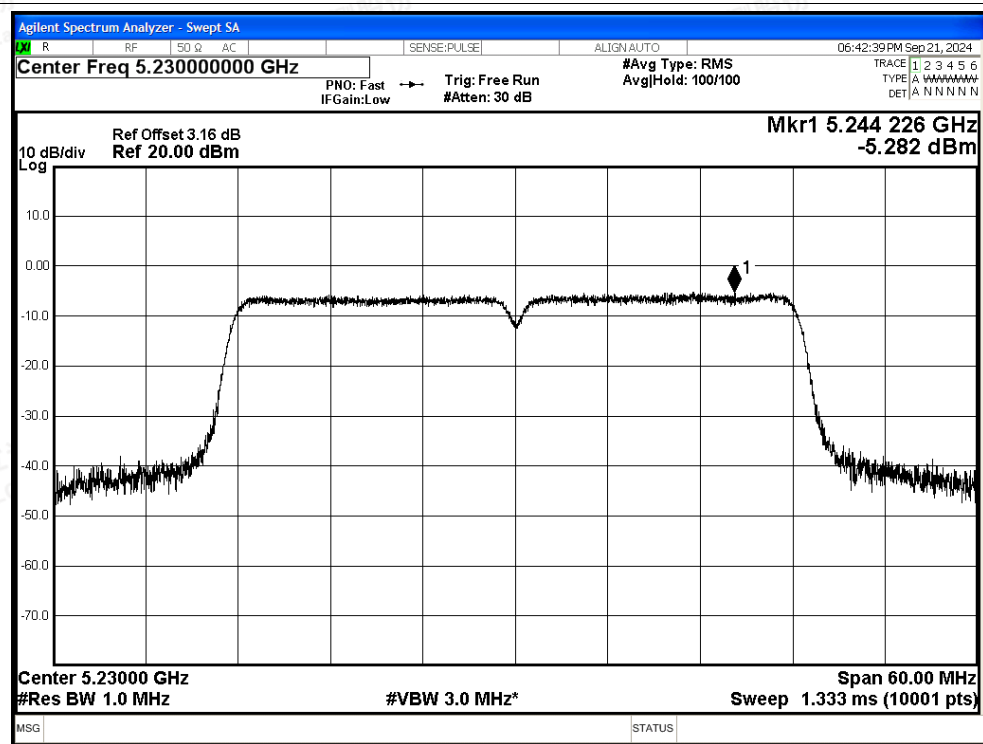




PSD NVNT ax40 5190MHz Ant2



PSD NVNT ax40 5230MHz Ant2





D.4 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	Ant2	4500	-48.72	2.82	-	49.33	Peak	68.2	Pass
NVNT	a	5180	Ant2	4500	-58.31	2.82	0.24	39.98	Average	54	Pass
NVNT	a	5180	Ant2	5149.6	-41.45	2.82	-	56.6	Peak	68.2	Pass
NVNT	a	5180	Ant2	5149.6	-53.62	2.82	0.24	44.67	Average	54	Pass
NVNT	a	5180	Ant2	5150	-44.67	2.82	-	53.38	Peak	68.2	Pass
NVNT	a	5180	Ant2	5150	-53.83	2.82	0.24	44.46	Average	54	Pass
NVNT	a	5240	Ant2	5350	-50.56	2.82	-	47.49	Peak	68.2	Pass
NVNT	a	5240	Ant2	5350	-57.26	2.82	0.24	41.03	Average	54	Pass
NVNT	a	5240	Ant2	5423.28	-46.75	2.82	-	51.3	Peak	68.2	Pass
NVNT	a	5240	Ant2	5364.48	-56.76	2.82	0.24	41.53	Average	54	Pass
NVNT	a	5240	Ant2	5460	-48.4	2.82	-	49.65	Peak	68.2	Pass
NVNT	a	5240	Ant2	5460	-57.63	2.82	0.24	40.66	Average	54	Pass
NVNT	n20	5180	Ant2	4500	-49.59	2.82	-	48.46	Peak	68.2	Pass
NVNT	n20	5180	Ant2	4500	-58.05	2.82	0.12	40.12	Average	54	Pass
NVNT	n20	5180	Ant2	5147.5	-40.87	2.82	-	57.18	Peak	68.2	Pass
NVNT	n20	5180	Ant2	5149.6	-52.58	2.82	0.12	45.59	Average	54	Pass
NVNT	n20	5180	Ant2	5150	-36.21	2.82	-	61.84	Peak	68.2	Pass
NVNT	n20	5180	Ant2	5150	-51.16	2.82	0.12	47.01	Average	54	Pass
NVNT	n20	5240	Ant2	5350	-49.12	2.82	-	48.93	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5350	-57.19	2.82	0.12	40.98	Average	54	Pass
NVNT	n20	5240	Ant2	5372.16	-46.74	2.82	-	51.31	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5351.28	-56.63	2.82	0.12	41.54	Average	54	Pass
NVNT	n20	5240	Ant2	5460	-49.13	2.82	-	48.92	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5460	-57.84	2.82	0.12	40.33	Average	54	Pass
NVNT	n40	5190	Ant2	4500	-49.48	2.82	-	48.57	Peak	68.2	Pass
NVNT	n40	5190	Ant2	4500	-57.87	2.82	0.12	40.3	Average	54	Pass
NVNT	n40	5190	Ant2	5148.24	-39.87	2.82	-	58.18	Peak	68.2	Pass
NVNT	n40	5190	Ant2	5149.7	-52.81	2.82	0.12	45.36	Average	54	Pass
NVNT	n40	5190	Ant2	5150	-41.4	2.82	-	56.65	Peak	68.2	Pass
NVNT	n40	5190	Ant2	5150	-52.81	2.82	0.12	45.36	Average	54	Pass
NVNT	n40	5230	Ant2	5350	-49.71	2.82	-	48.34	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5350	-57.37	2.82	0.12	40.8	Average	54	Pass
NVNT	n40	5230	Ant2	5416.8	-46.14	2.82	-	51.91	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5372.79	-56.99	2.82	0.12	41.18	Average	54	Pass
NVNT	n40	5230	Ant2	5460	-49.92	2.82	-	48.13	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5460	-57.84	2.82	0.12	40.33	Average	54	Pass





NVNT	ac20	5180	Ant2	4500	-49.12	2.82	-	48.93	Peak	68.2	Pass
NVNT	ac20	5180	Ant2	4500	-57.82	2.82	0.12	40.35	Average	54	Pass
NVNT	ac20	5180	Ant2	5144.7	-39.76	2.82	-	58.29	Peak	68.2	Pass
NVNT	ac20	5180	Ant2	5149.6	-51.52	2.82	0.12	46.65	Average	54	Pass
NVNT	ac20	5180	Ant2	5150	-40.89	2.82	-	57.16	Peak	68.2	Pass
NVNT	ac20	5180	Ant2	5150	-51.88	2.82	0.12	46.29	Average	54	Pass
NVNT	ac20	5240	Ant2	5350	-49.84	2.82	-	48.21	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5350	-57.41	2.82	0.12	40.76	Average	54	Pass
NVNT	ac20	5240	Ant2	5390.64	-46.4	2.82	-	51.65	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5403.84	-57.18	2.82	0.12	40.99	Average	54	Pass
NVNT	ac20	5240	Ant2	5460	-50.01	2.82	-	48.04	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5460	-58.25	2.82	0.12	39.92	Average	54	Pass
NVNT	ac40	5190	Ant2	4500	-50.28	2.82	-	47.77	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	4500	-58.14	2.82	0	39.91	Average	54	Pass
NVNT	ac40	5190	Ant2	5147.51	-41.67	2.82	-	56.38	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	5149.7	-53.73	2.82	0	44.32	Average	54	Pass
NVNT	ac40	5190	Ant2	5150	-44.86	2.82	-	53.19	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	5150	-53.73	2.82	0	44.32	Average	54	Pass
NVNT	ac40	5230	Ant2	5350	-50.04	2.82	-	48.01	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5350	-57.13	2.82	9.03	49.95	Average	54	Pass
NVNT	ac40	5230	Ant2	5384.67	-46.94	2.82	-	51.11	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5369.82	-57.11	2.82	9.03	49.97	Average	54	Pass
NVNT	ac40	5230	Ant2	5460	-50.47	2.82	-	47.58	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5460	-58.22	2.82	9.03	48.86	Average	54	Pass
NVNT	ax20	5180	Ant2	4500	-51.29	2.82	-	46.76	Peak	68.2	Pass
NVNT	ax20	5180	Ant2	4500	-58.13	2.82	0.12	40.04	Average	54	Pass
NVNT	ax20	5180	Ant2	5148.9	-36.01	2.82	-	62.04	Peak	68.2	Pass
NVNT	ax20	5180	Ant2	5149.6	-52.19	2.82	0.12	45.98	Average	54	Pass
NVNT	ax20	5180	Ant2	5150	-38.7	2.82	-	59.35	Peak	68.2	Pass
NVNT	ax20	5180	Ant2	5150	-52.56	2.82	0.12	45.61	Average	54	Pass
NVNT	ax20	5240	Ant2	5350	-48.13	2.82	-	49.92	Peak	68.2	Pass
NVNT	ax20	5240	Ant2	5350	-57.44	2.82	0.12	40.73	Average	54	Pass
NVNT	ax20	5240	Ant2	5446.08	-47.16	2.82	-	50.89	Peak	68.2	Pass
NVNT	ax20	5240	Ant2	5354.4	-56.87	2.82	0.12	41.3	Average	54	Pass
NVNT	ax20	5240	Ant2	5460	-51.23	2.82	-	46.82	Peak	68.2	Pass
NVNT	ax20	5240	Ant2	5460	-57.95	2.82	0.12	40.22	Average	54	Pass
NVNT	ax40	5190	Ant2	4500	-48.82	2.82	-	49.23	Peak	68.2	Pass
NVNT	ax40	5190	Ant2	4500	-57.97	2.82	0.12	40.2	Average	54	Pass
NVNT	ax40	5190	Ant2	5148.24	-37.41	2.82	-	60.64	Peak	68.2	Pass
NVNT	ax40	5190	Ant2	5149.7	-51.67	2.82	0.12	46.5	Average	54	Pass
NVNT	ax40	5190	Ant2	5150	-38.52	2.82	-	59.53	Peak	68.2	Pass





NVNT	ax40	5190	Ant2	5150	-51.67	2.82	0.12	46.5	Average	54	Pass
NVNT	ax40	5230	Ant2	5350	-47.51	2.82	-	50.54	Peak	68.2	Pass
NVNT	ax40	5230	Ant2	5350	-57.6	2.82	0.12	40.57	Average	54	Pass
NVNT	ax40	5230	Ant2	5374.41	-45.43	2.82	-	52.62	Peak	68.2	Pass
NVNT	ax40	5230	Ant2	5400.87	-57.09	2.82	0.12	41.08	Average	54	Pass
NVNT	ax40	5230	Ant2	5460	-50.54	2.82	-	47.51	Peak	68.2	Pass
NVNT	ax40	5230	Ant2	5460	-58.08	2.82	0.12	40.09	Average	54	Pass

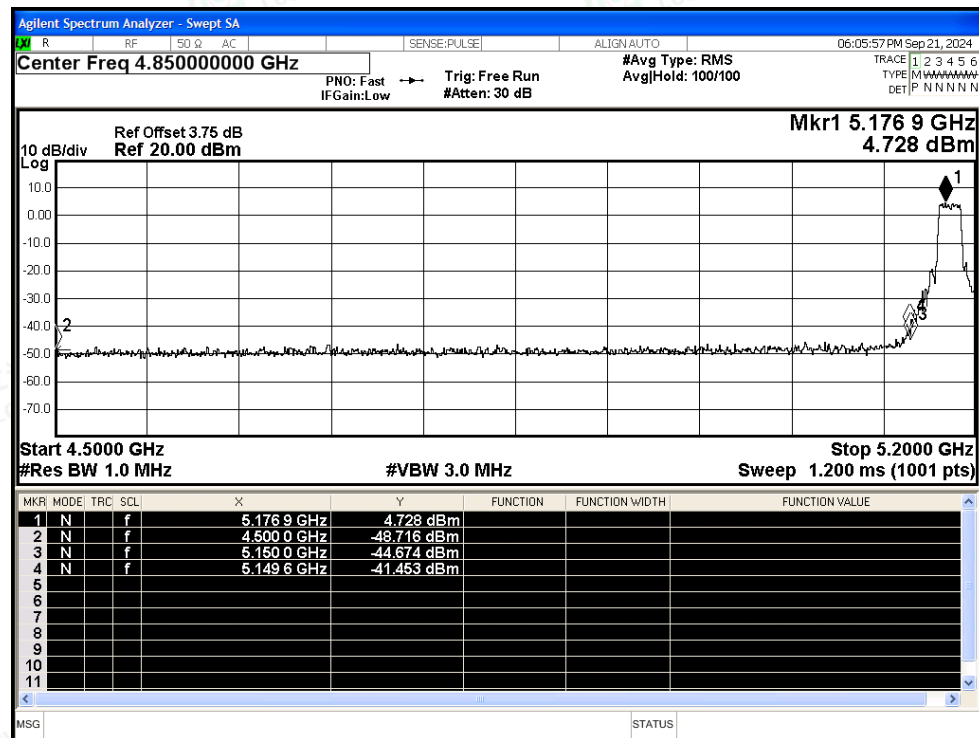


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

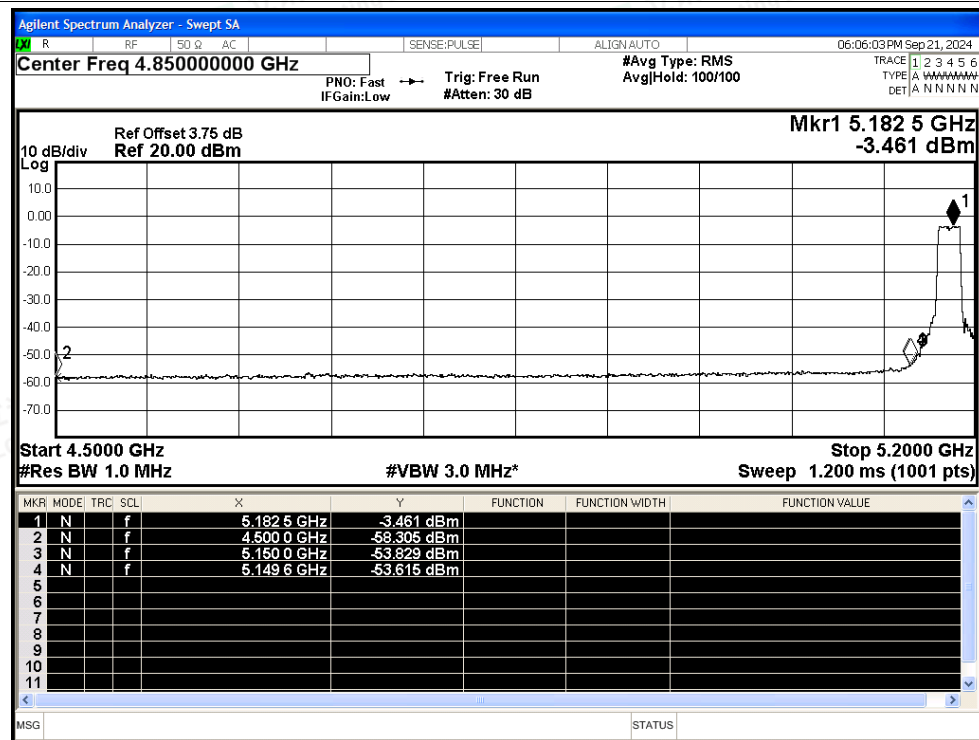


Test Graphs

Restrict Band NVNT a 5180MHz Ant2 Peak

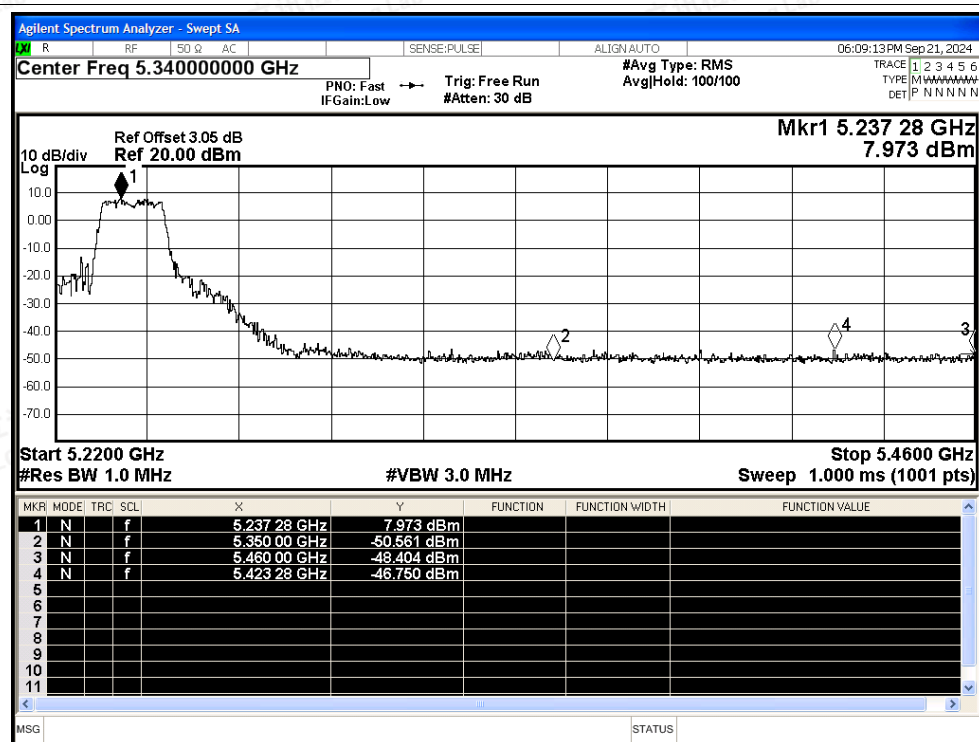


Restrict Band NVNT a 5180MHz Ant2 Average

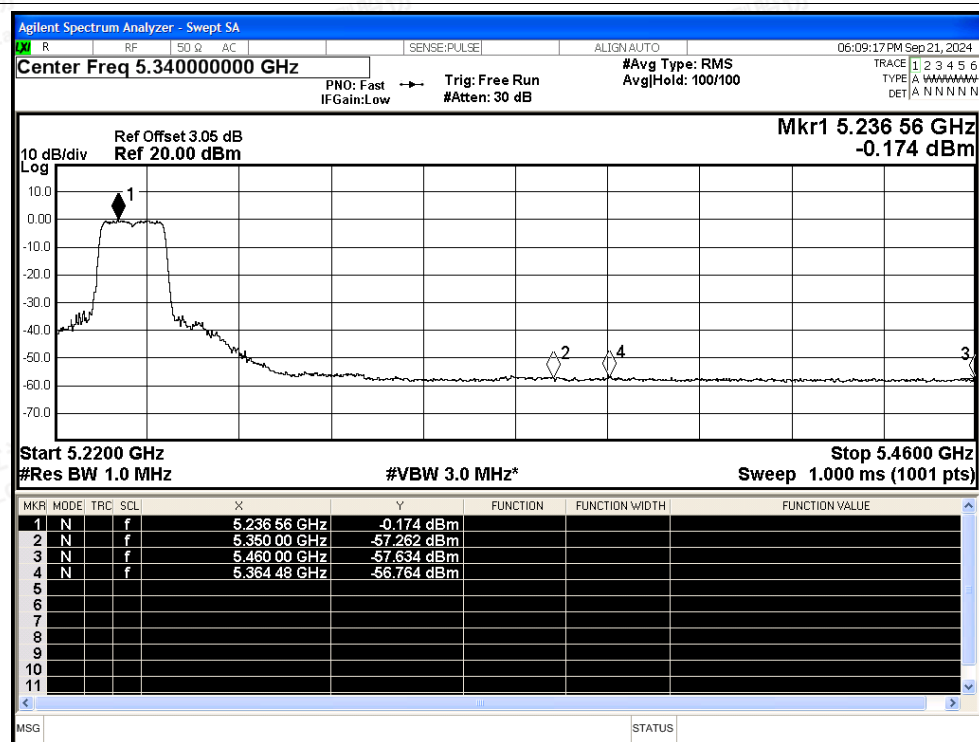




Restrict Band NVNT a 5240MHz Ant2 Peak



Restrict Band NVNT a 5240MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

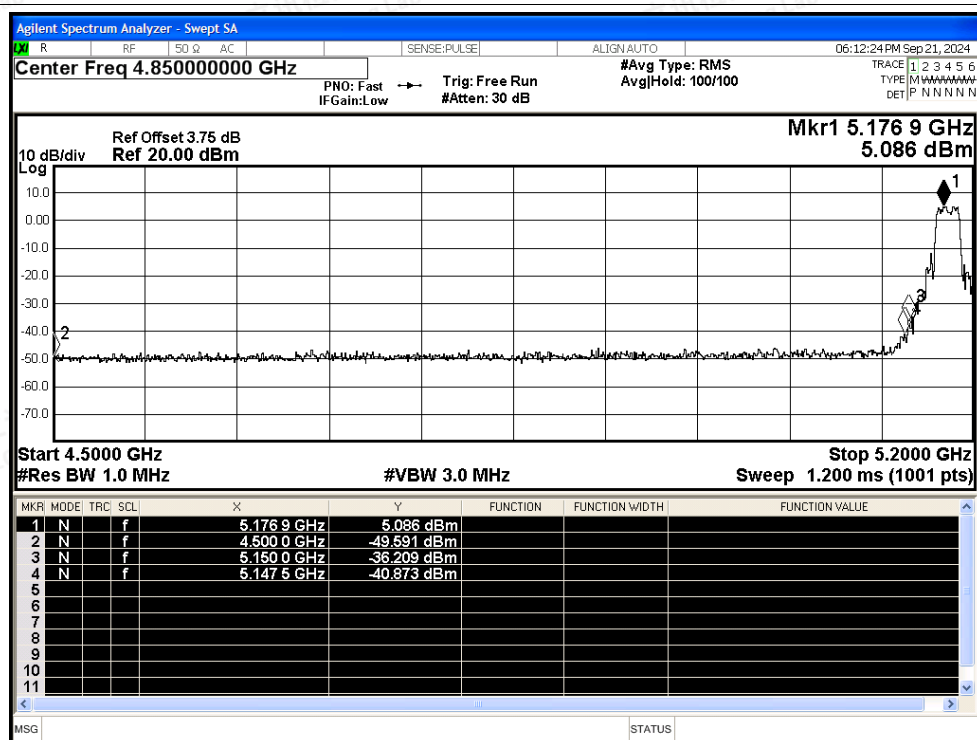
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

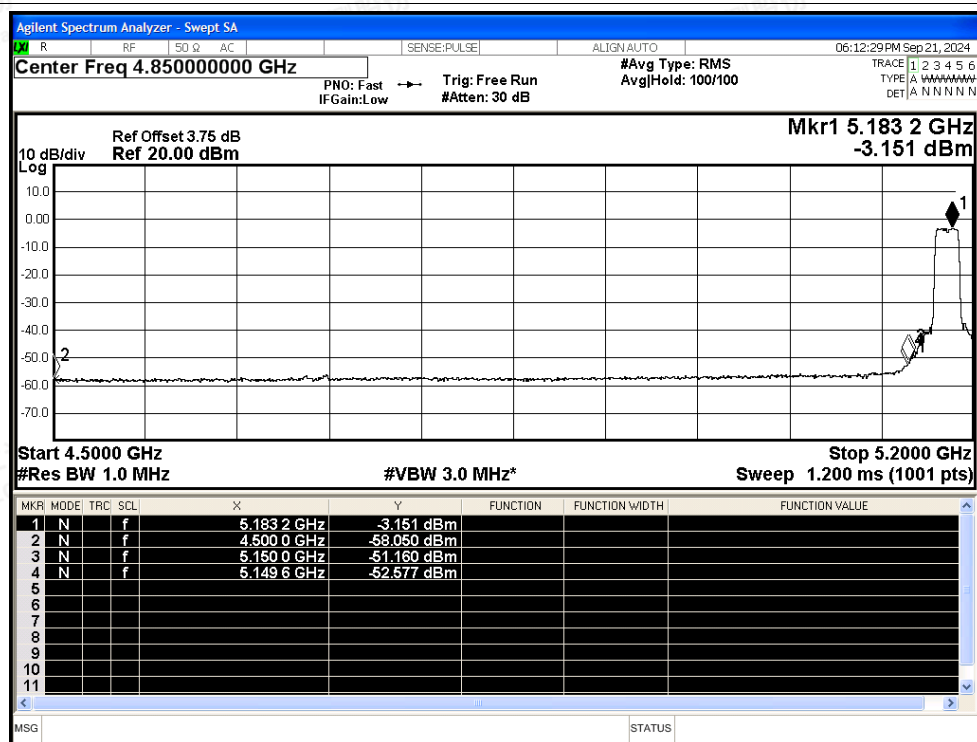
Scan code to check authenticity



Restrict Band NVNT n20 5180MHz Ant2 Peak



Restrict Band NVNT n20 5180MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

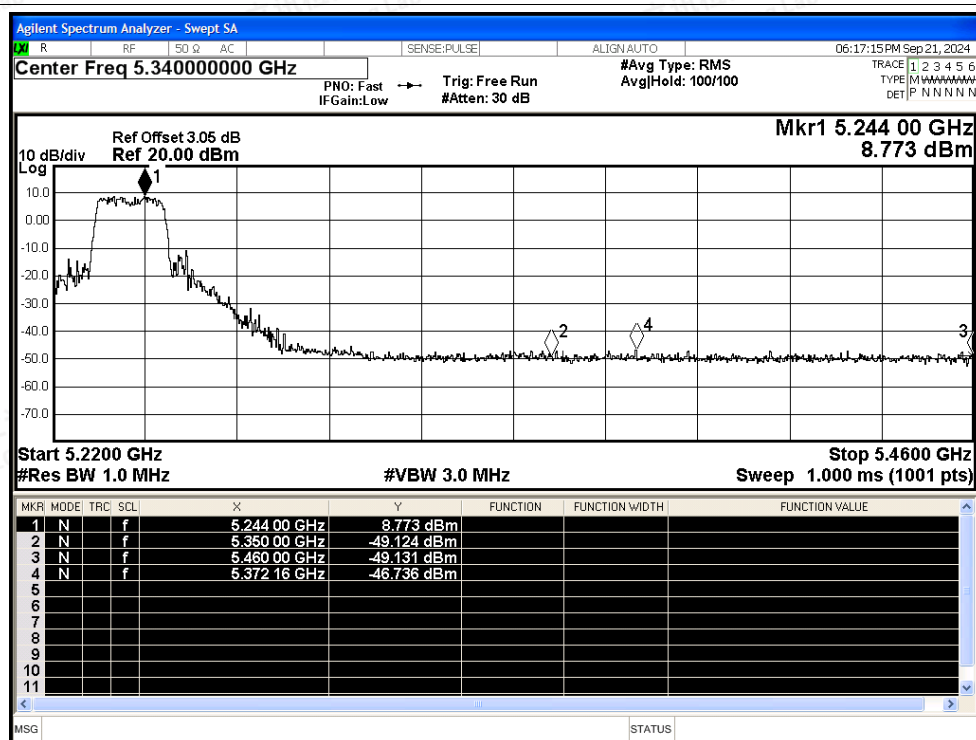
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

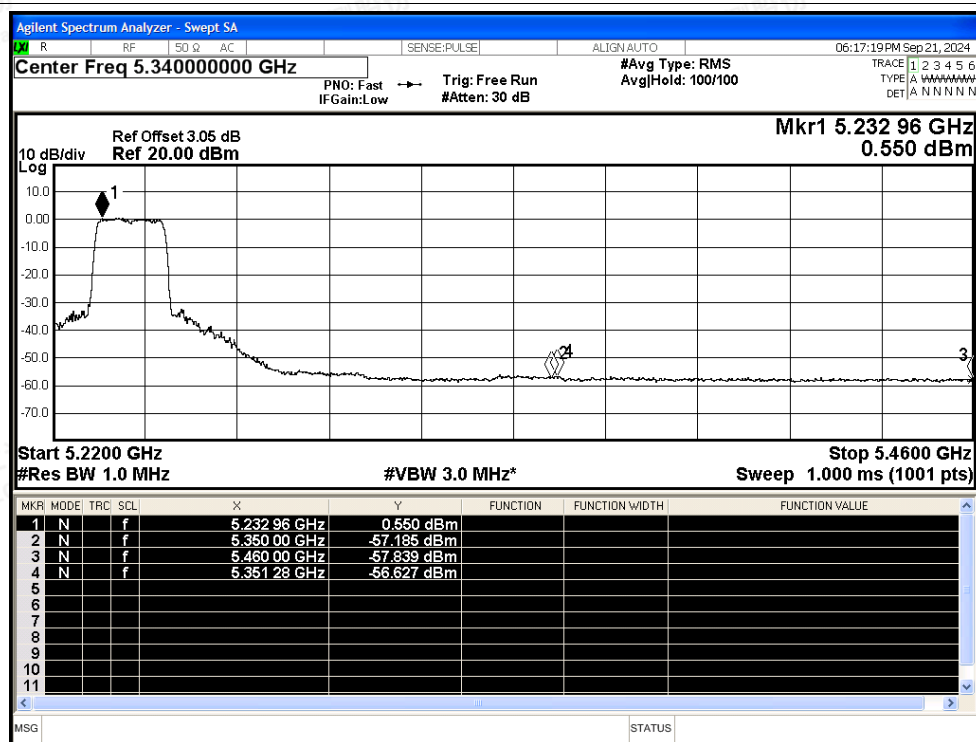
Scan code to check authenticity



Restrict Band NVNT n20 5240MHz Ant2 Peak



Restrict Band NVNT n20 5240MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

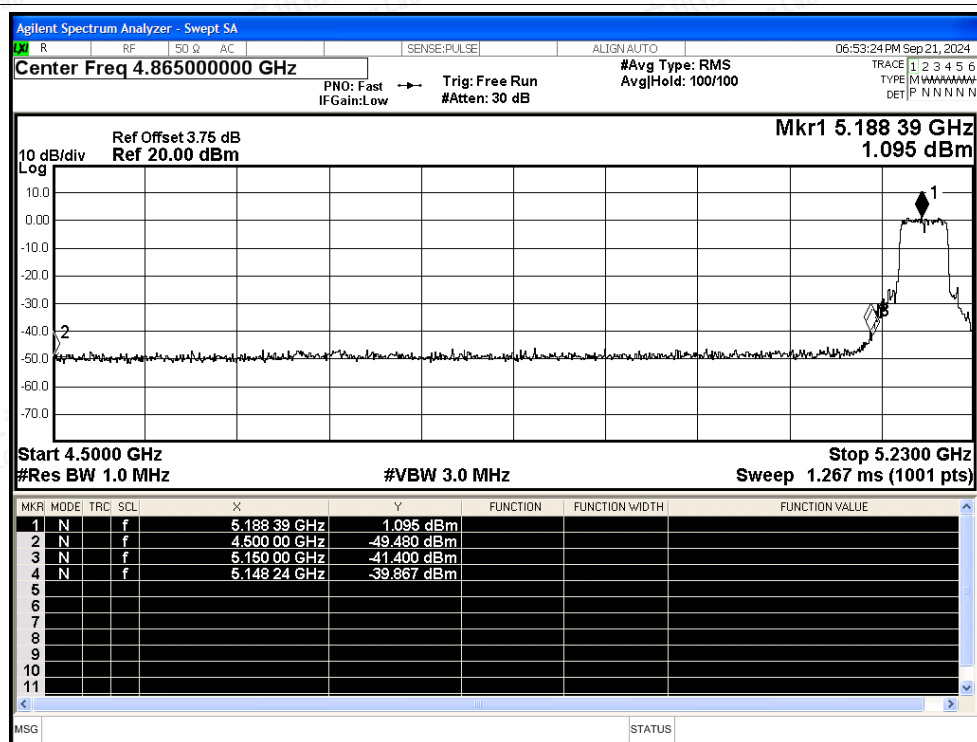
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

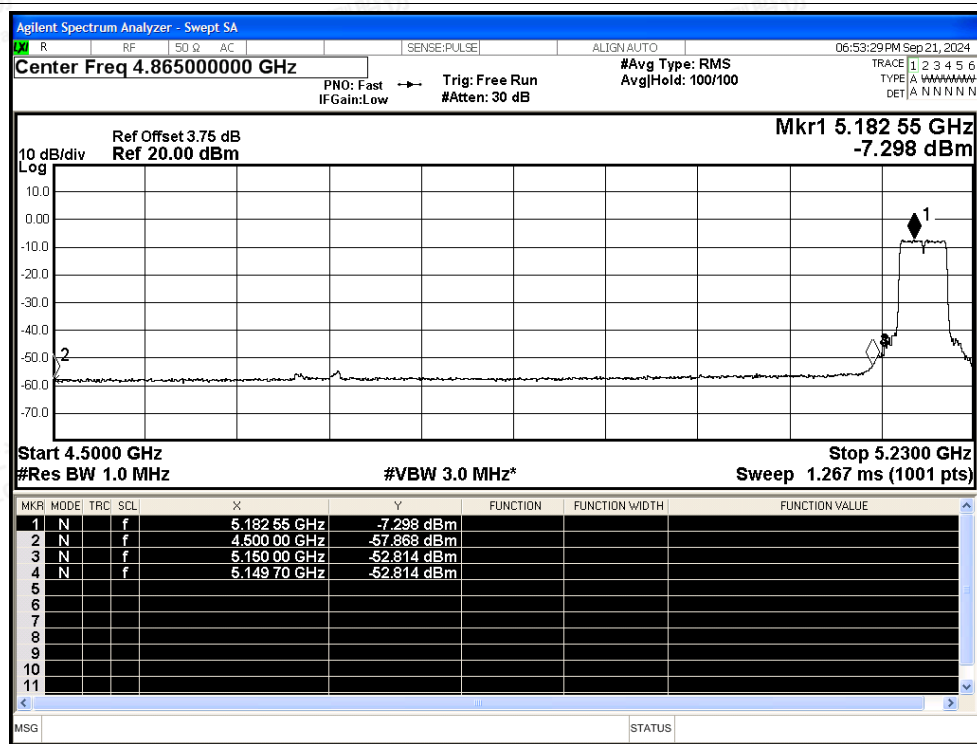
Scan code to check authenticity



Restrict Band NVNT n40 5190MHz Ant2 Peak



Restrict Band NVNT n40 5190MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

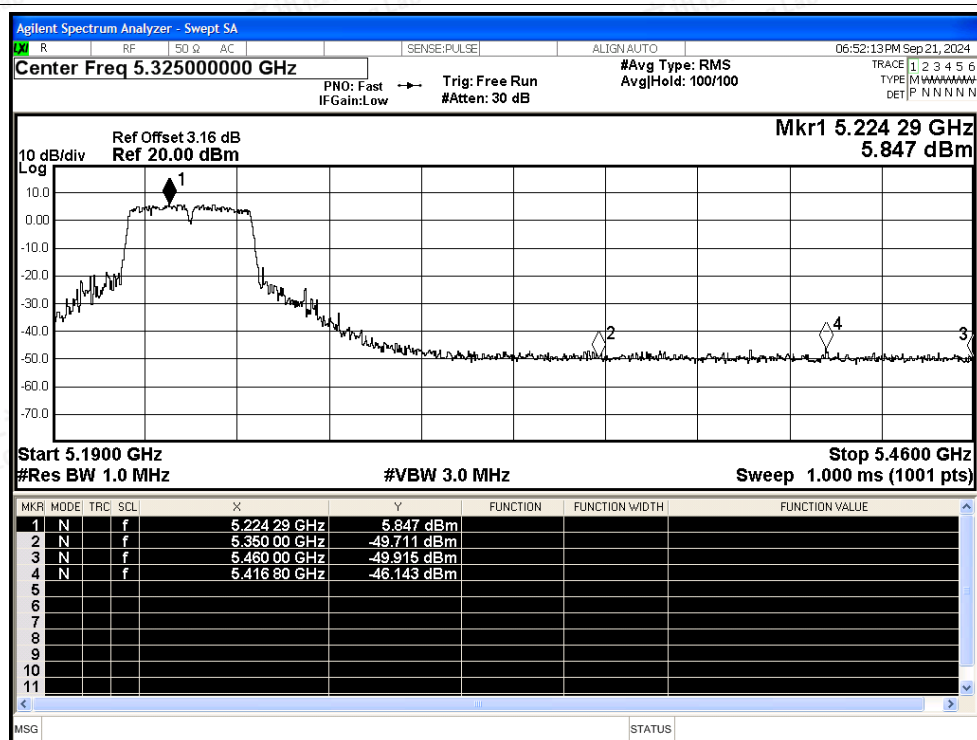
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

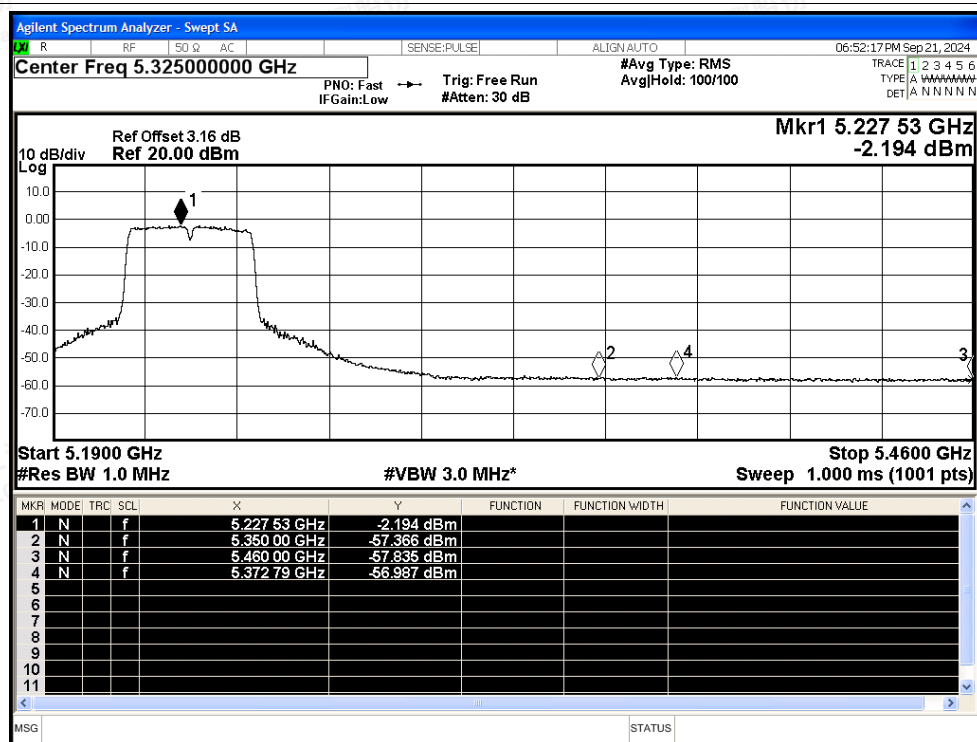
Scan code to check authenticity



Restrict Band NVNT n40 5230MHz Ant2 Peak



Restrict Band NVNT n40 5230MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

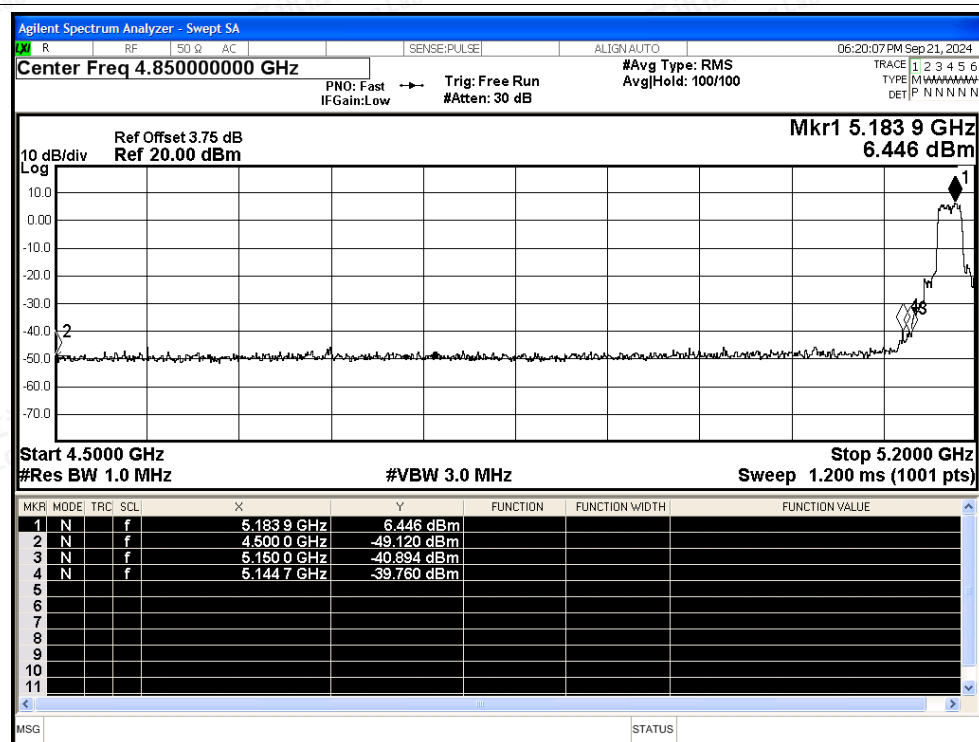
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

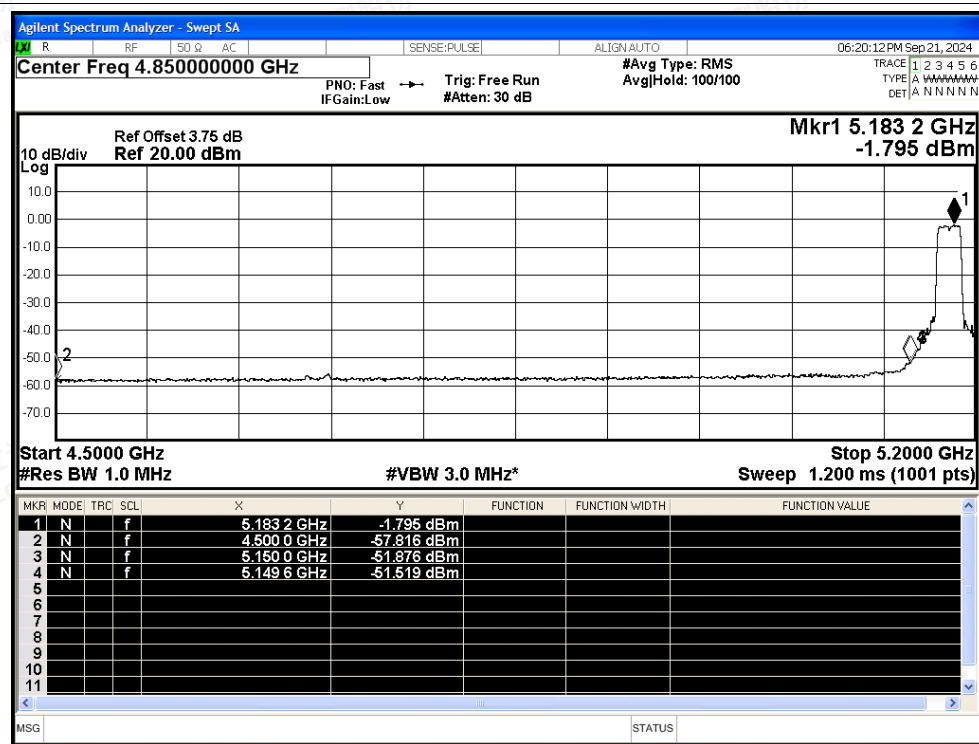
Scan code to check authenticity



Restrict Band NVNT ac20 5180MHz Ant2 Peak

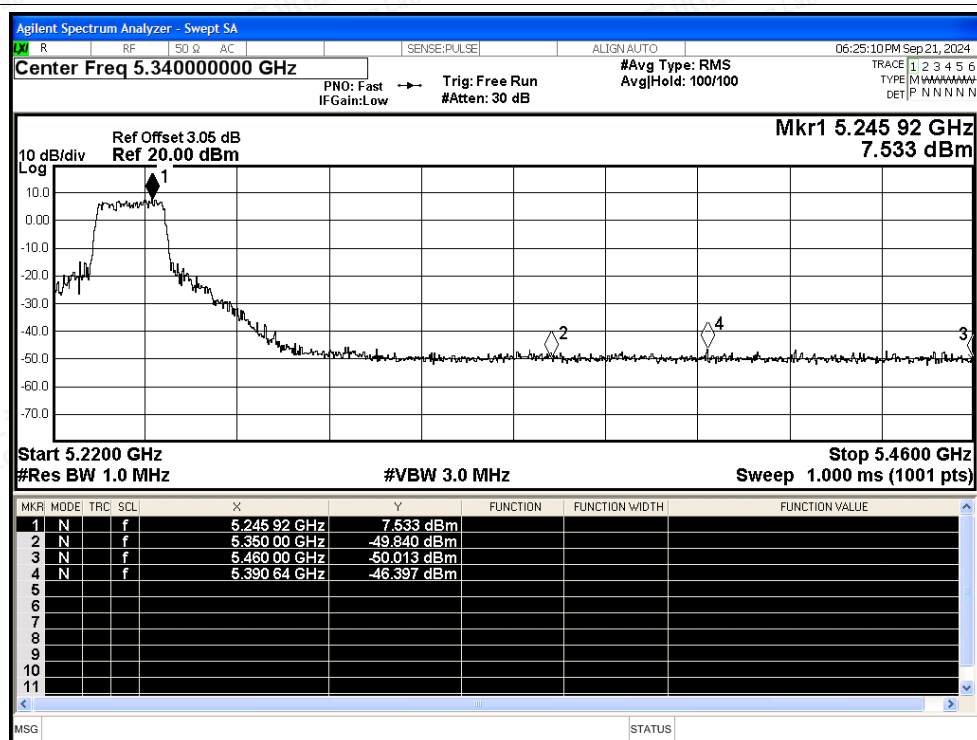


Restrict Band NVNT ac20 5180MHz Ant2 Average

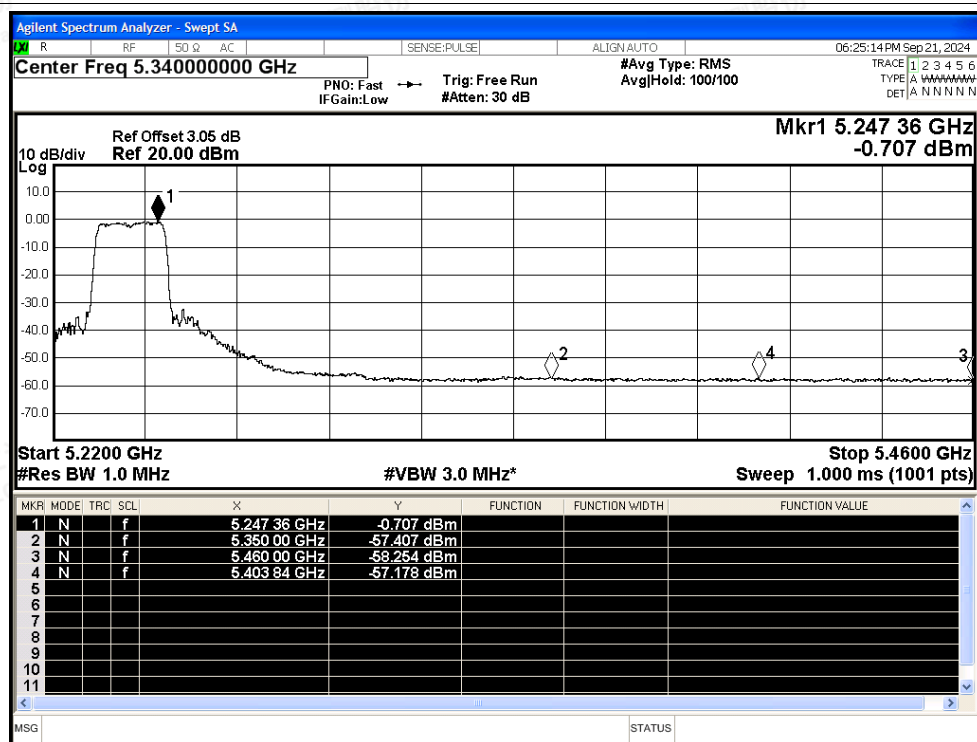




Restrict Band NVNT ac20 5240MHz Ant2 Peak



Restrict Band NVNT ac20 5240MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

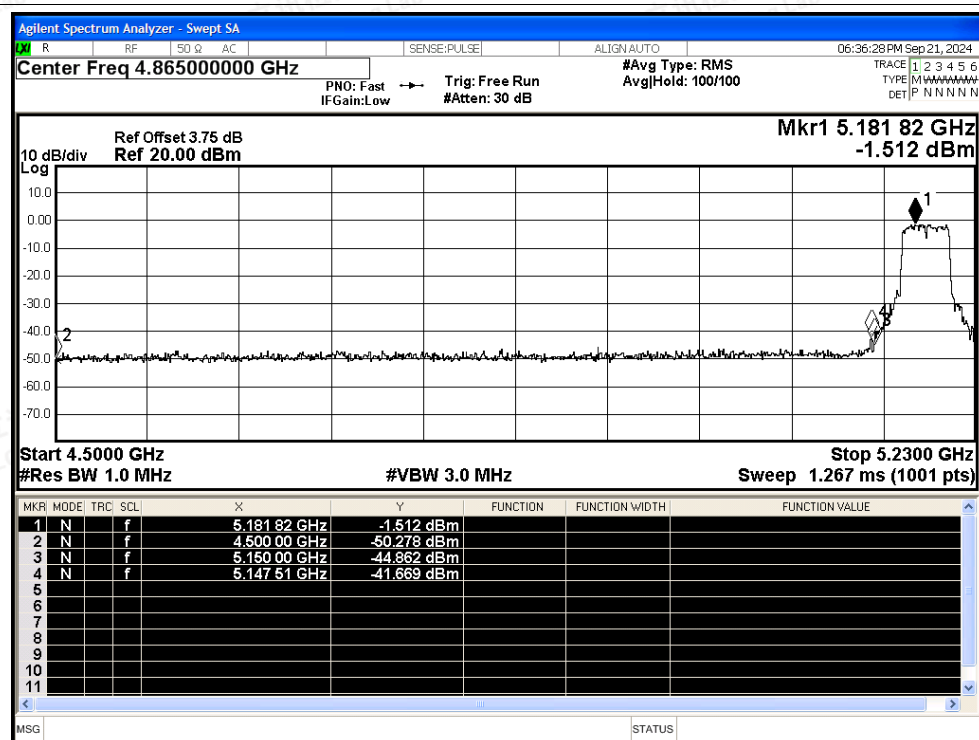
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

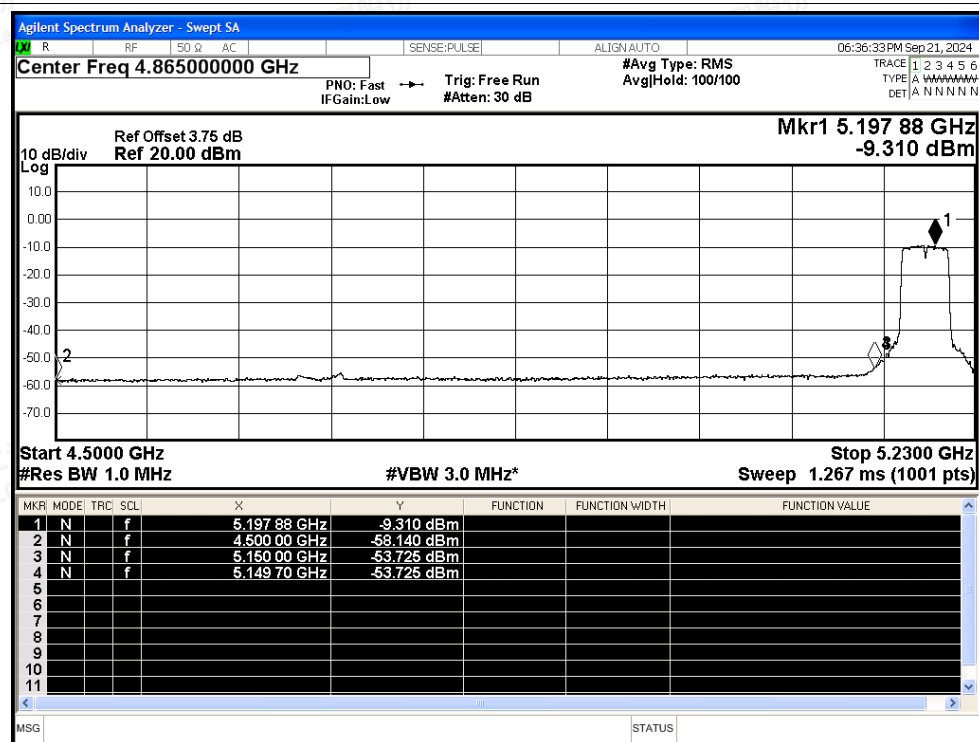
Scan code to check authenticity



Restrict Band NVNT ac40 5190MHz Ant2 Peak



Restrict Band NVNT ac40 5190MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

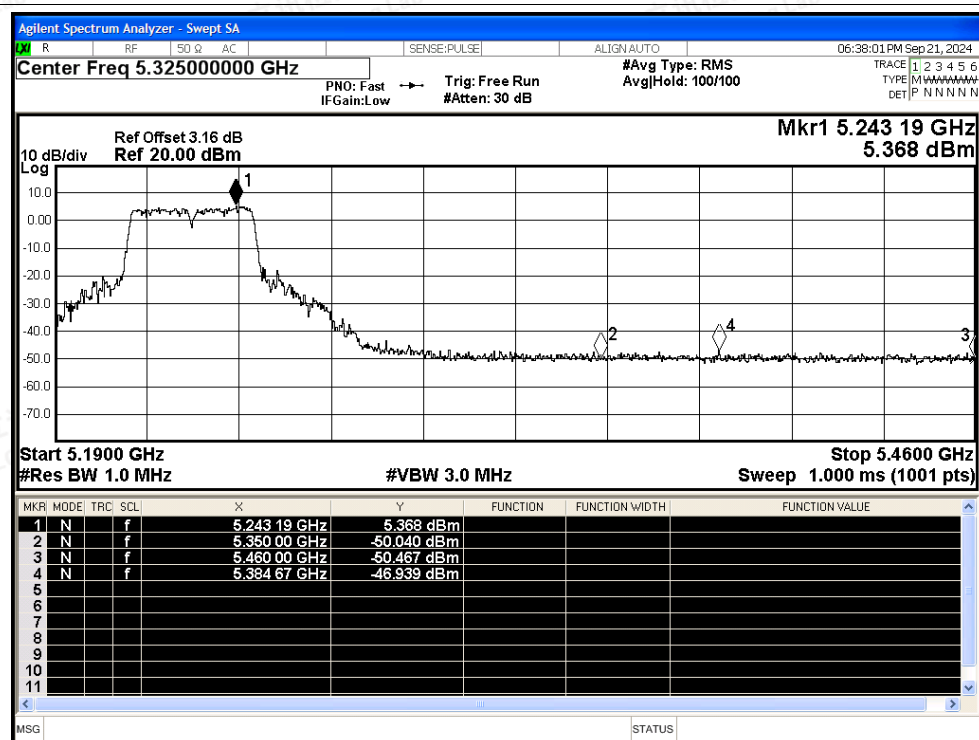
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

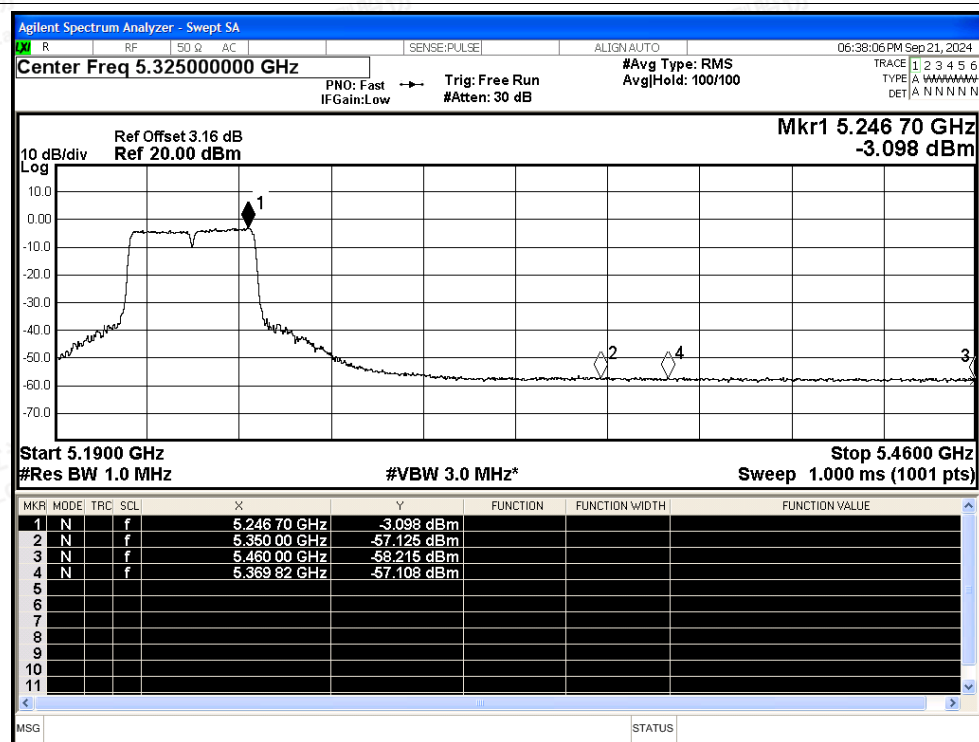
Scan code to check authenticity



Restrict Band NVNT ac40 5230MHz Ant2 Peak

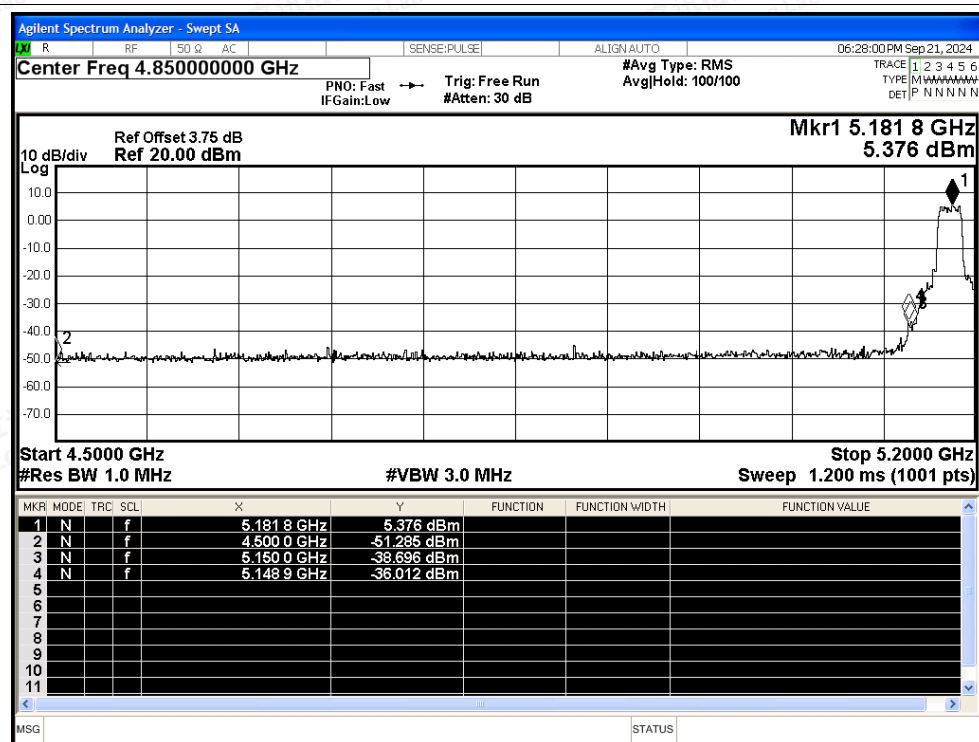


Restrict Band NVNT ac40 5230MHz Ant2 Average

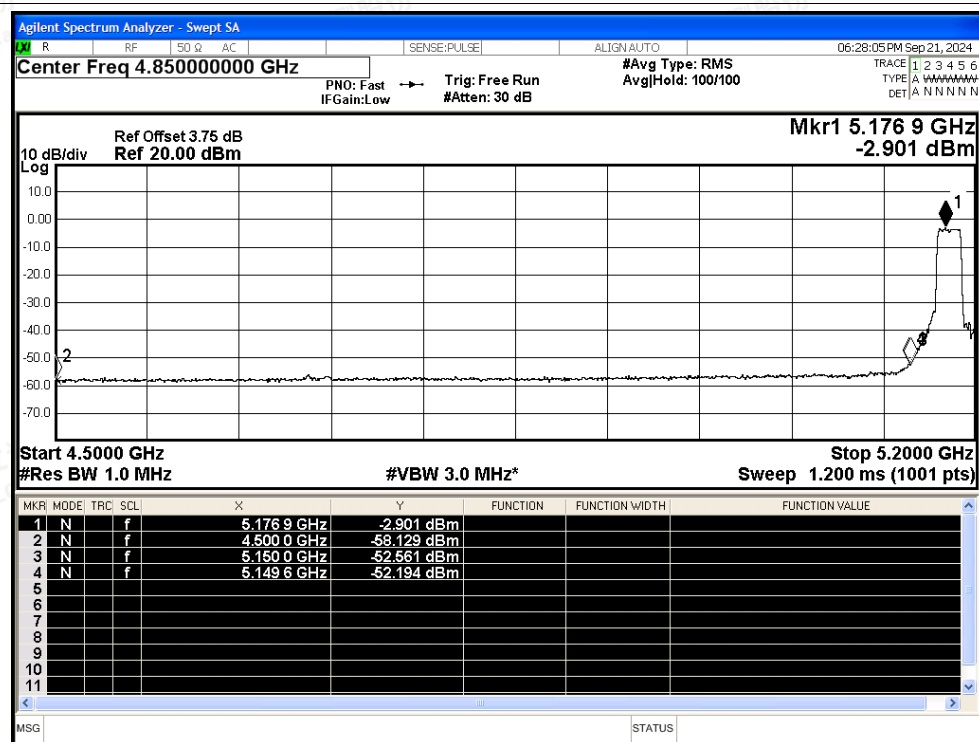




Restrict Band NVNT ax20 5180MHz Ant2 Peak

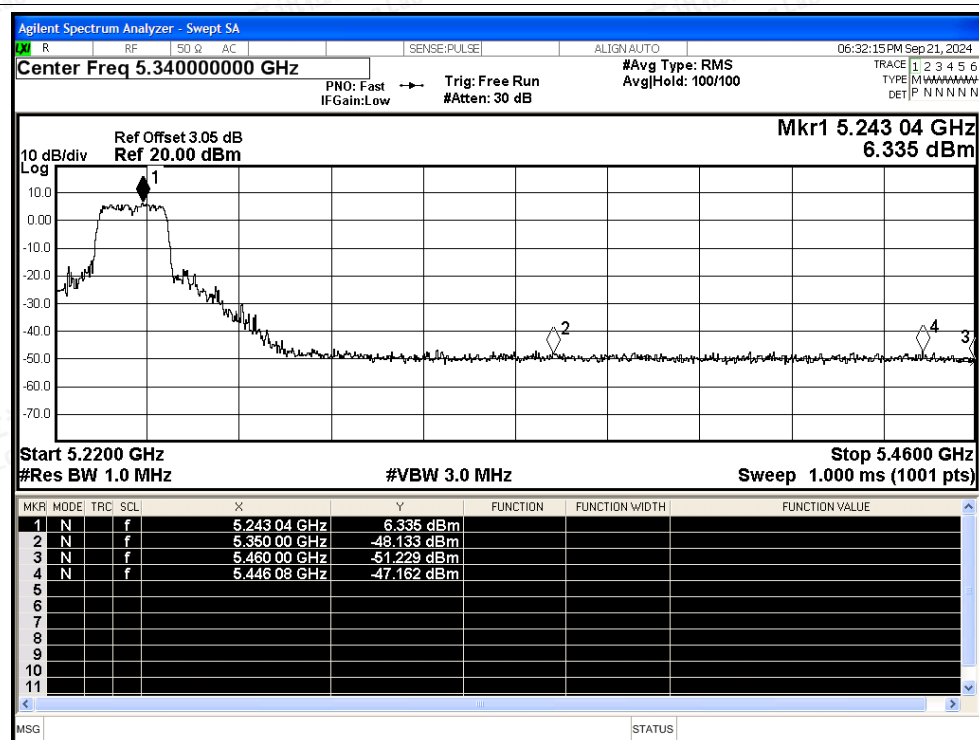


Restrict Band NVNT ax20 5180MHz Ant2 Average

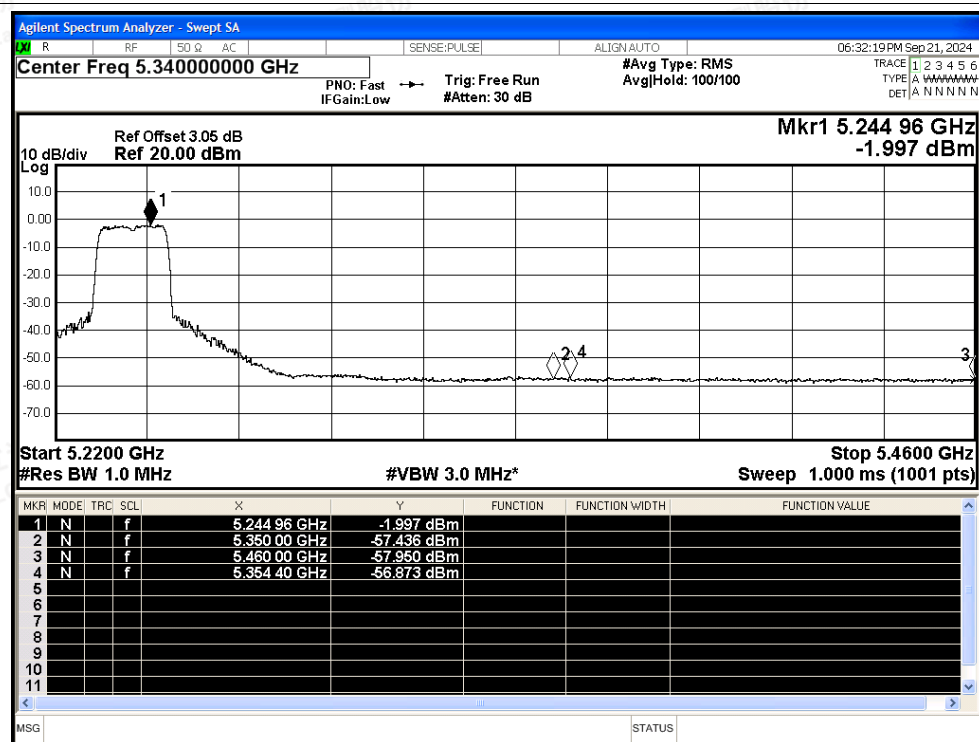




Restrict Band NVNT ax20 5240MHz Ant2 Peak



Restrict Band NVNT ax20 5240MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

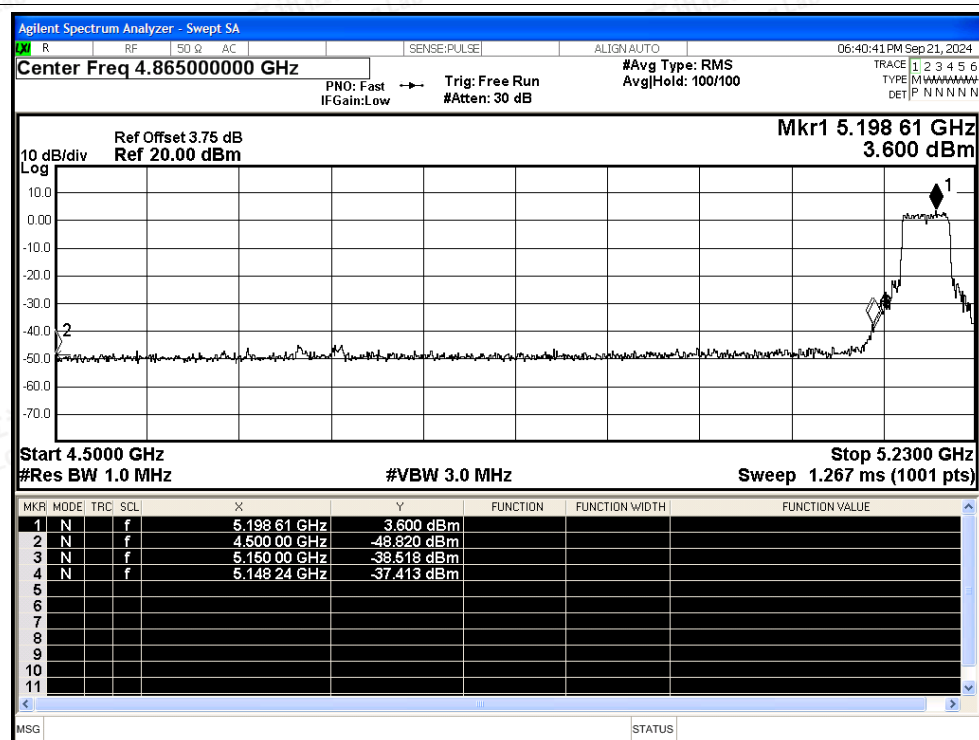
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

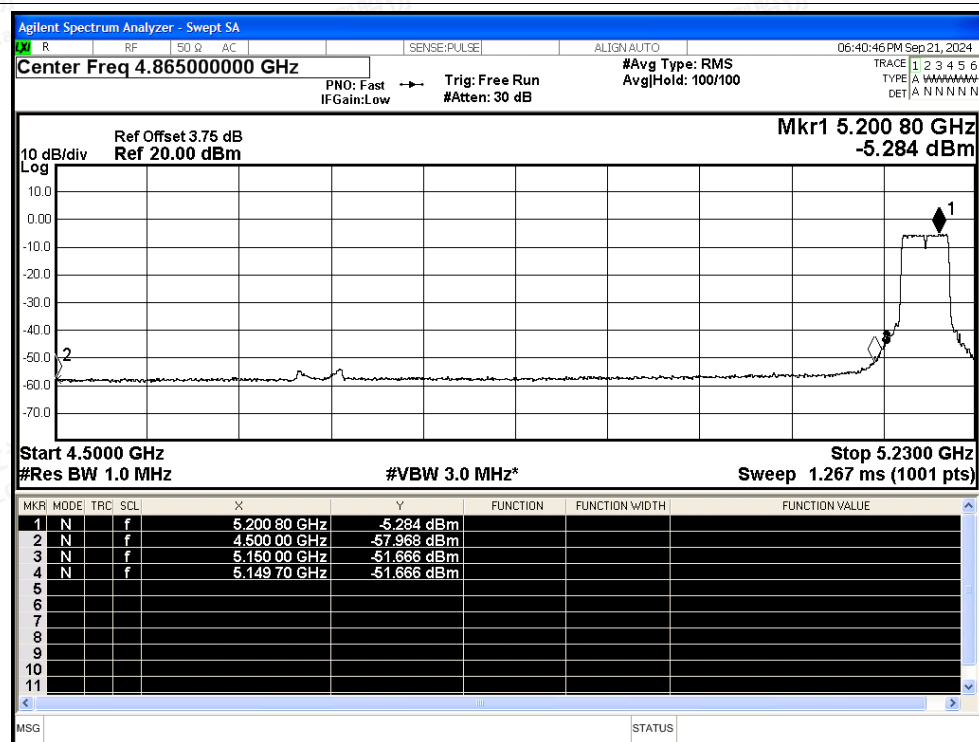
Scan code to check authenticity



Restrict Band NVNT ax40 5190MHz Ant2 Peak



Restrict Band NVNT ax40 5190MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

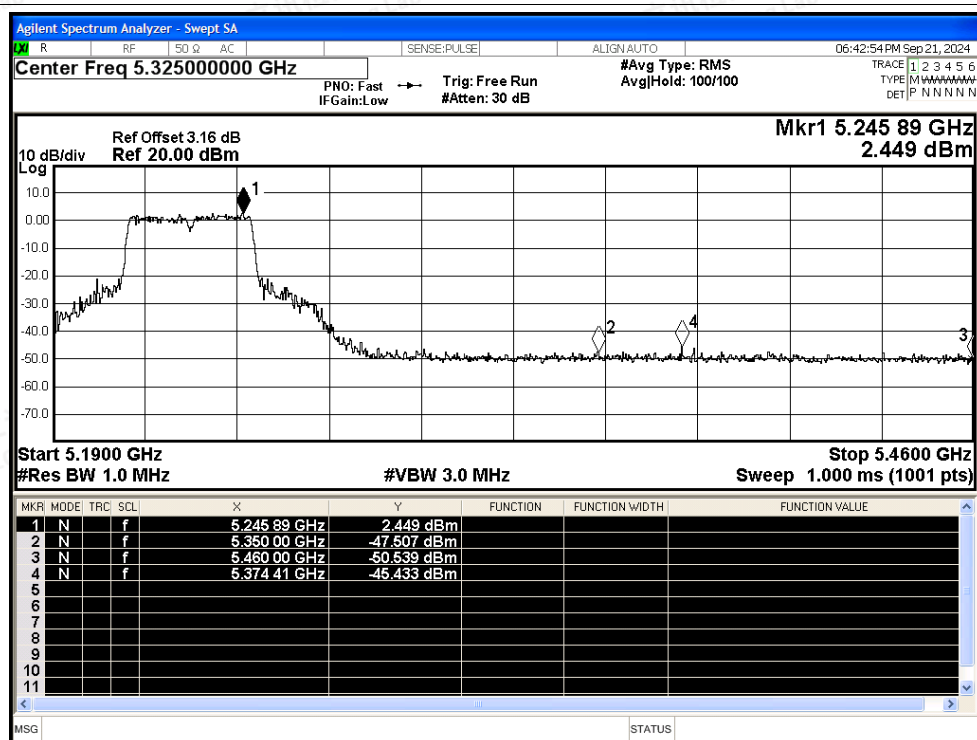
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

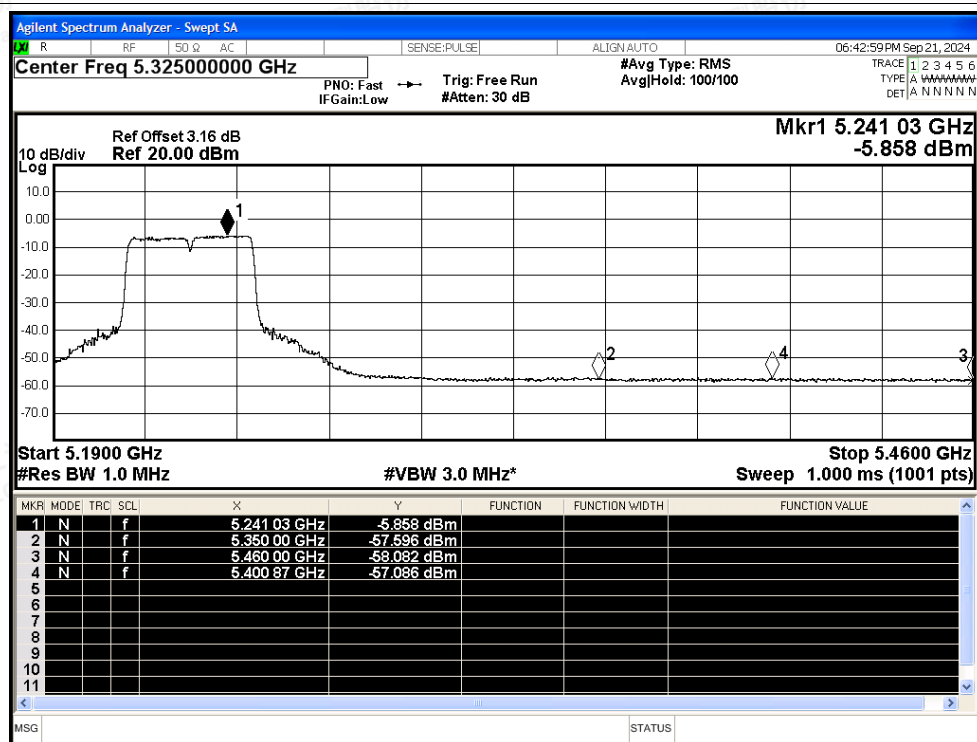
Scan code to check authenticity



Restrict Band NVNT ax40 5230MHz Ant2 Peak



Restrict Band NVNT ax40 5230MHz Ant2 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



D.5 Frequency Stability

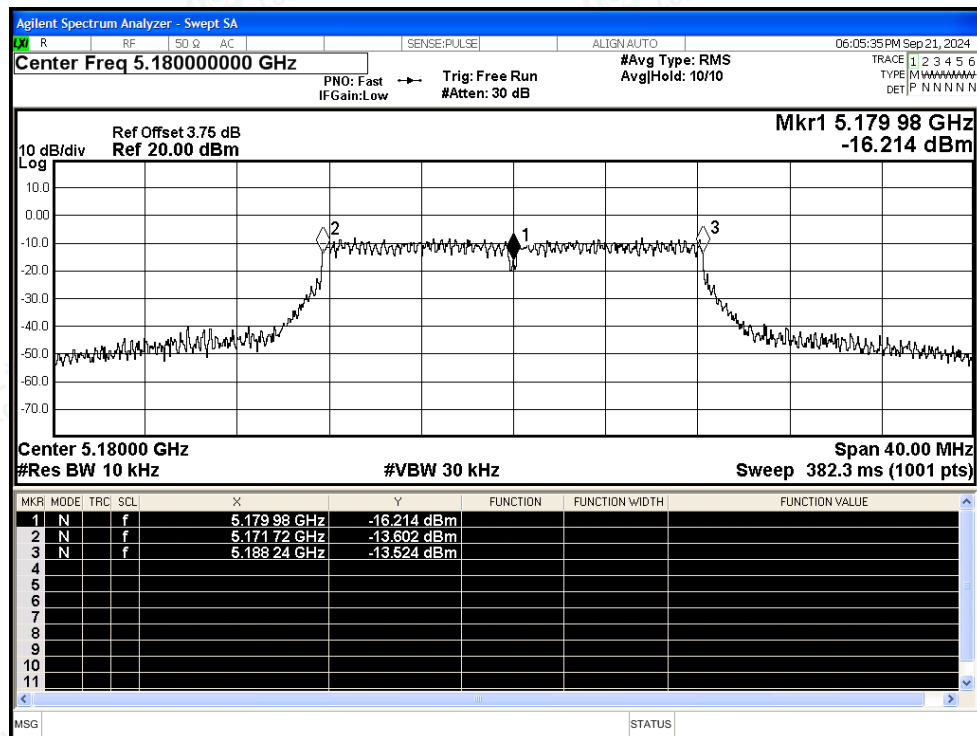
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NVNT	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
NVNT	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
NVNT	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NVNT	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
NVNT	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
NVNT	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
NVNT	n40	5230	Ant2	5230	0	0	25	Pass
NVNT	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NVNT	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
NVNT	ac20	5240	Ant2	5240	0	0	25	Pass
NVNT	ac40	5190	Ant2	5190	0	0	25	Pass
NVNT	ac40	5230	Ant2	5230	0	0	25	Pass
NVNT	ax20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NVNT	ax20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
NVNT	ax20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
NVNT	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
NVNT	ax40	5230	Ant2	5230.04	40000	7.65	25	Pass



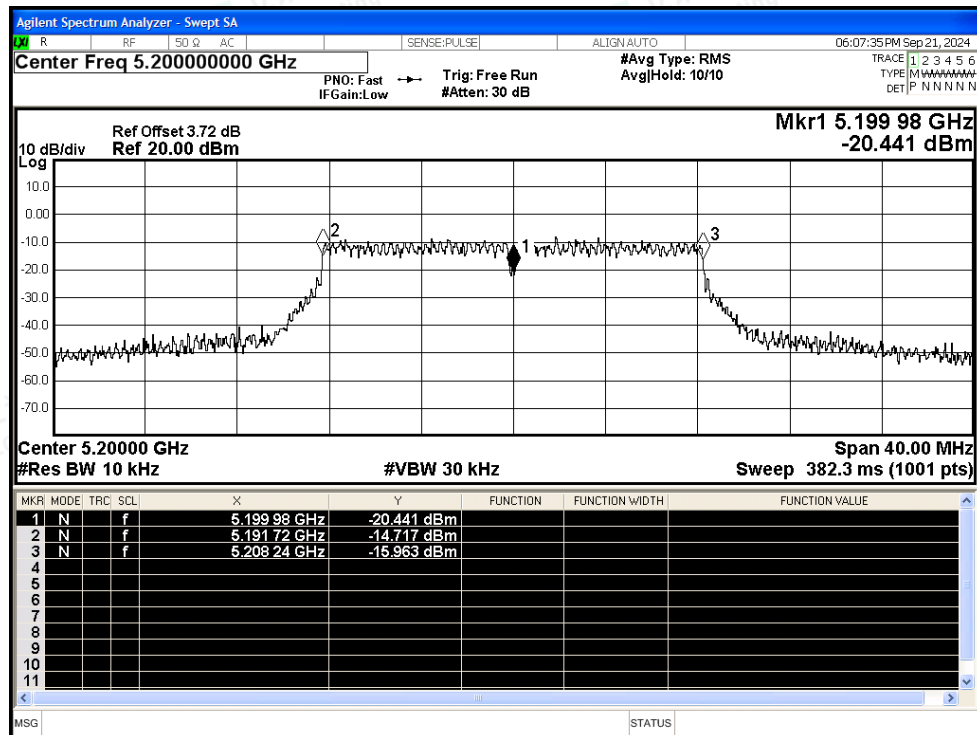


Test Graphs

Freq. Stability NVNT a 5180MHz Ant2



Freq. Stability NVNT a 5200MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

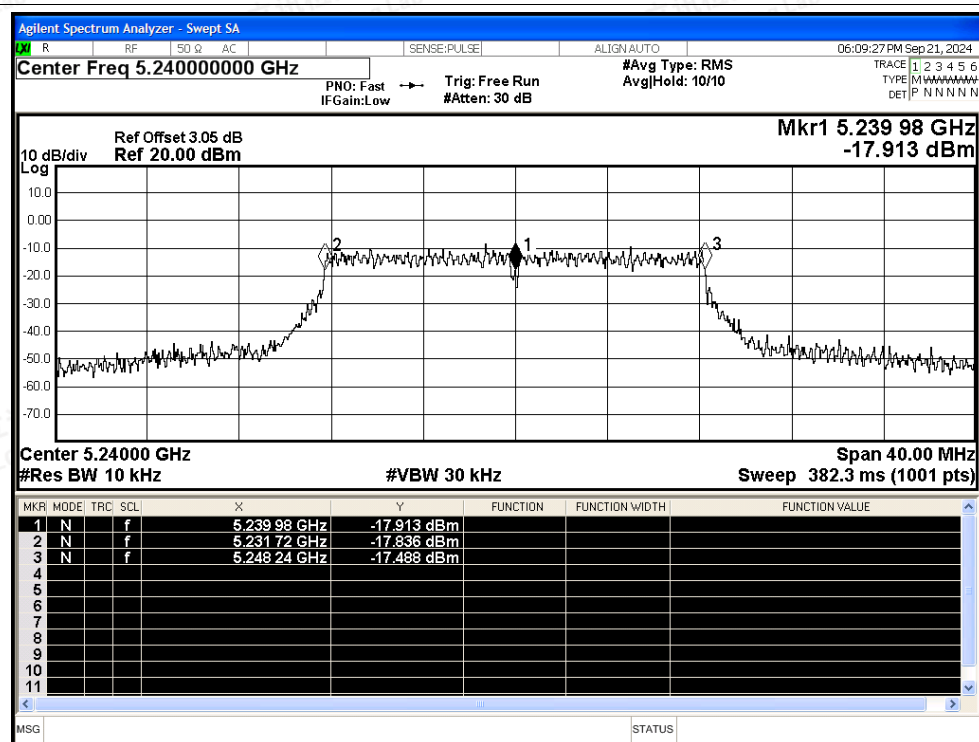
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

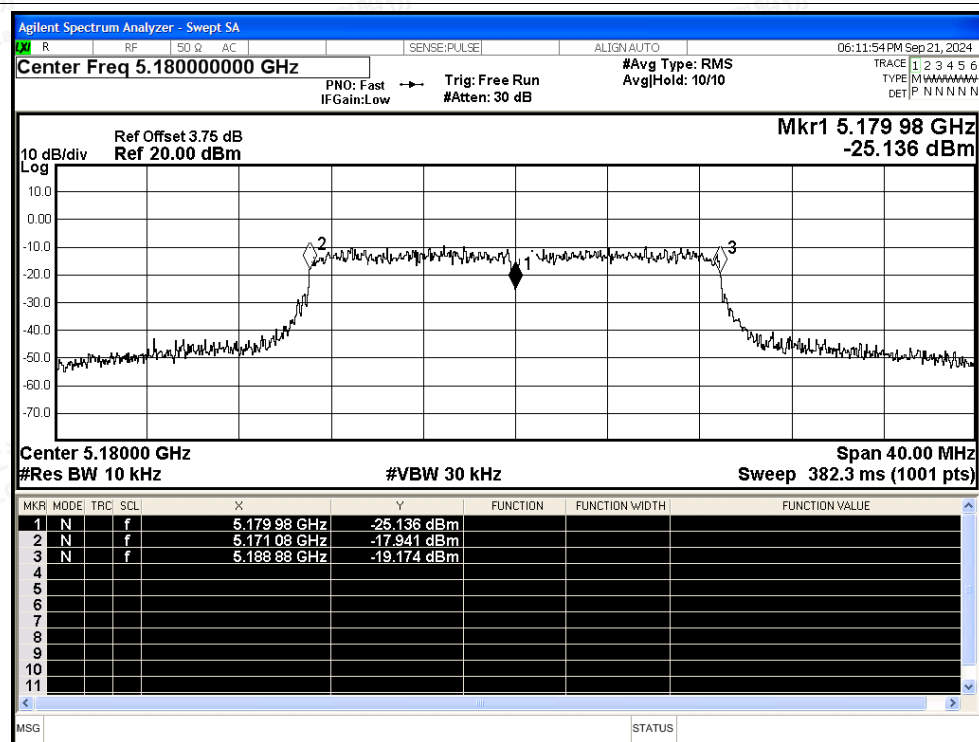
Scan code to check authenticity



Freq. Stability NVNT a 5240MHz Ant2



Freq. Stability NVNT n20 5180MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

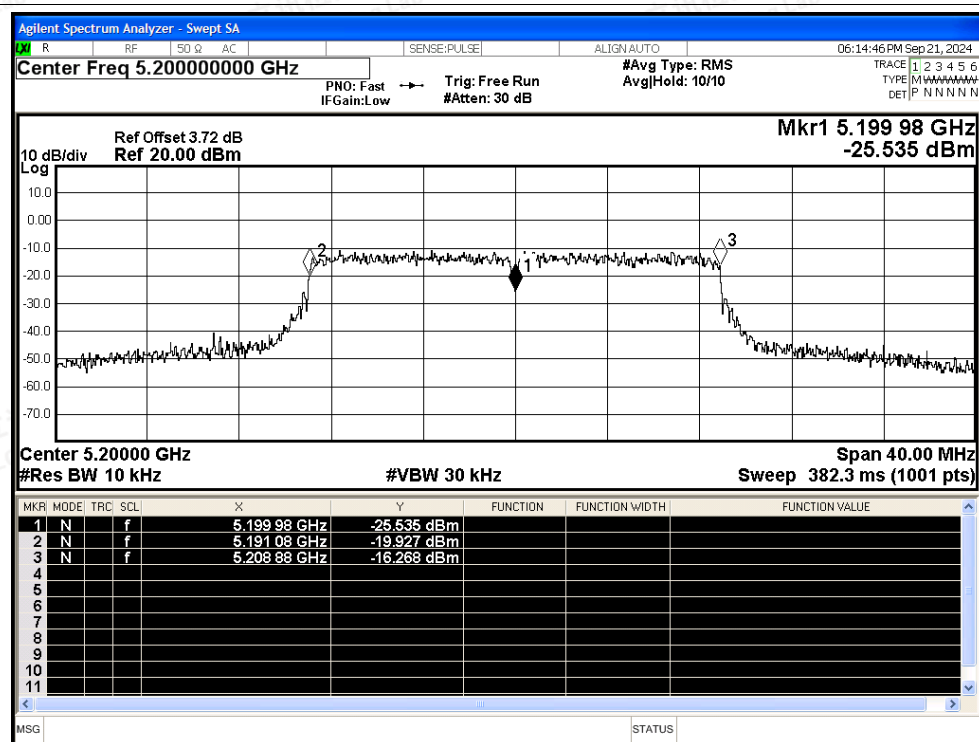
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

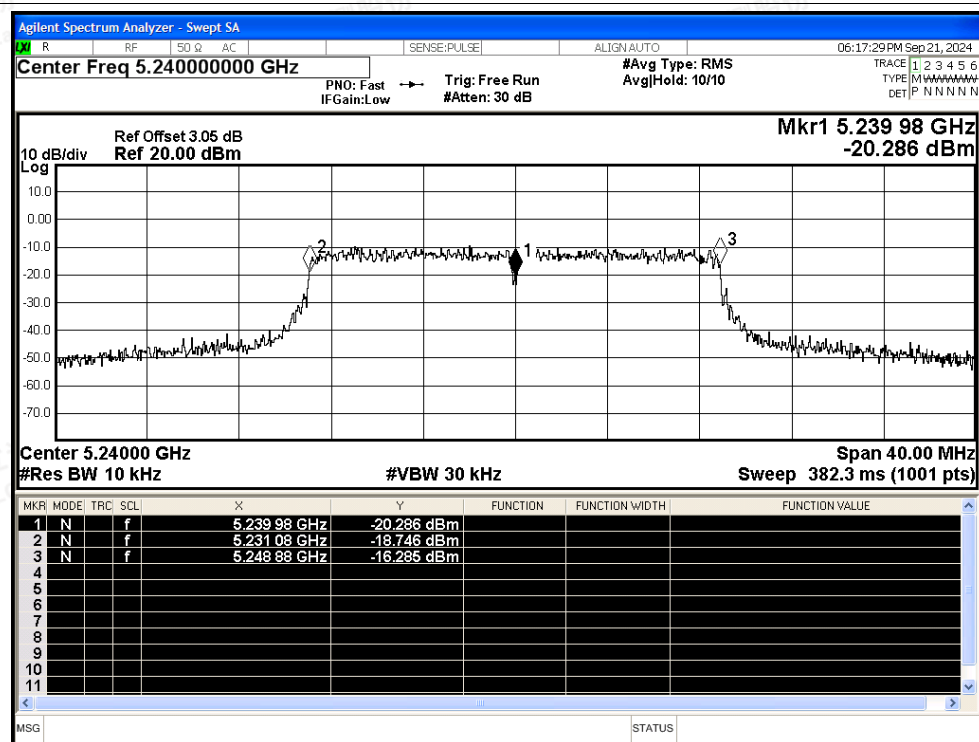
Scan code to check authenticity



Freq. Stability NVNT n20 5200MHz Ant2



Freq. Stability NVNT n20 5240MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

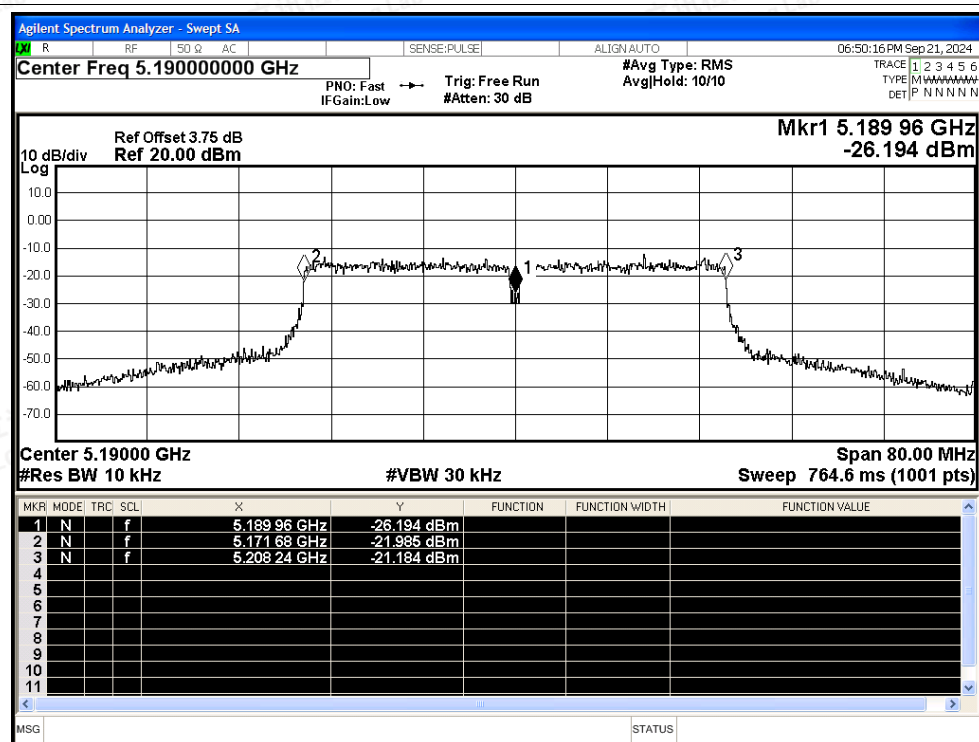
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

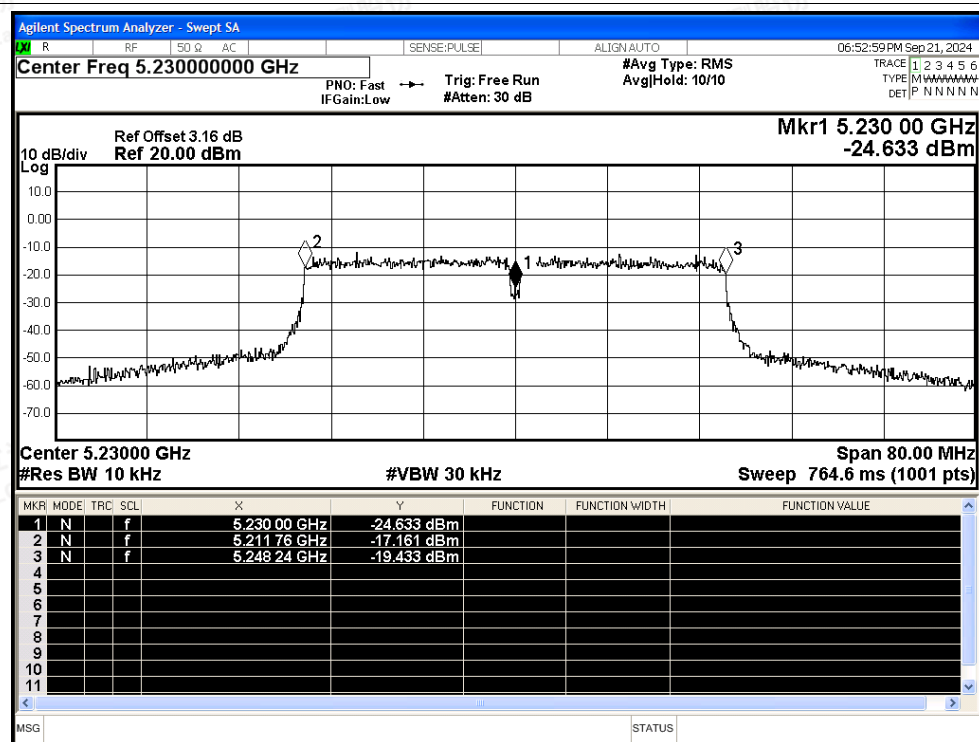
Scan code to check authenticity



Freq. Stability NVNT n40 5190MHz Ant2



Freq. Stability NVNT n40 5230MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

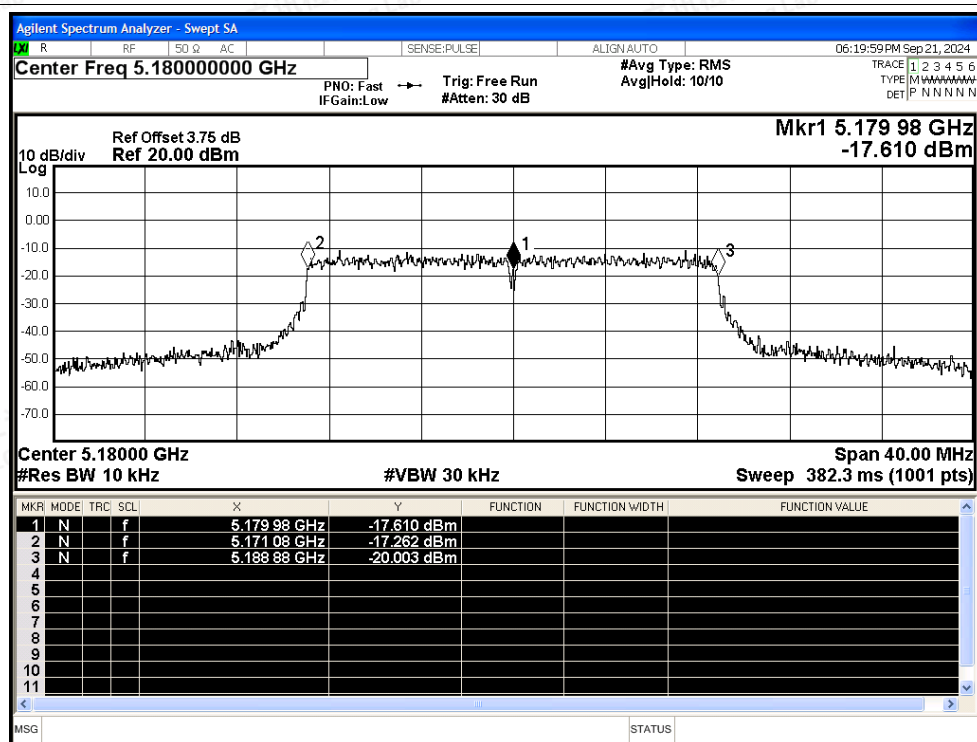
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

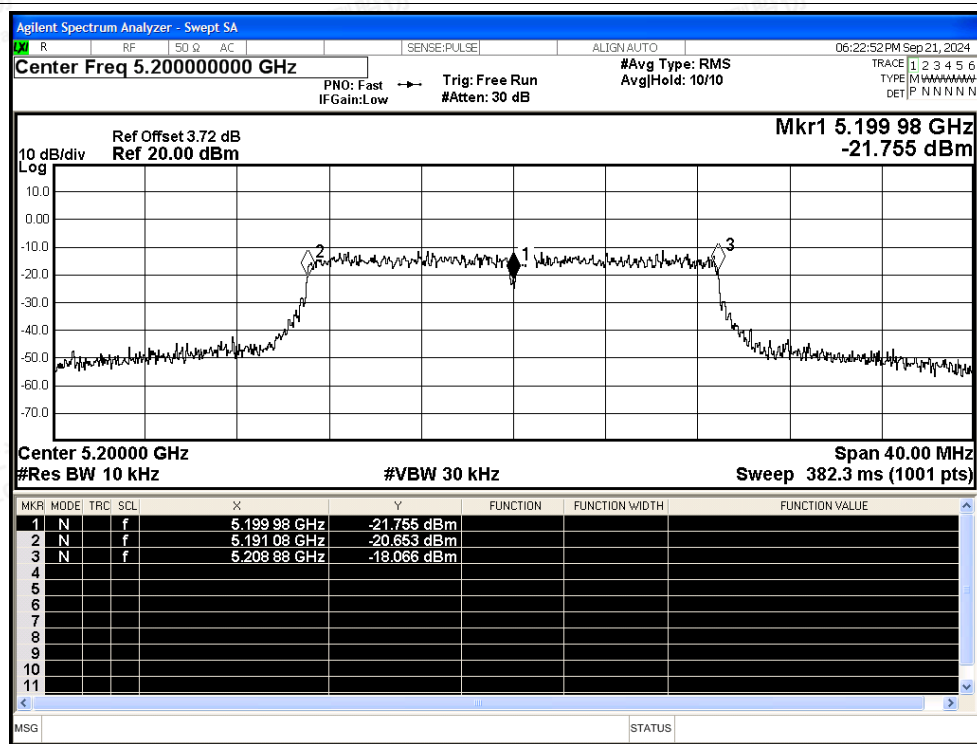
Scan code to check authenticity



Freq. Stability NVNT ac20 5180MHz Ant2



Freq. Stability NVNT ac20 5200MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

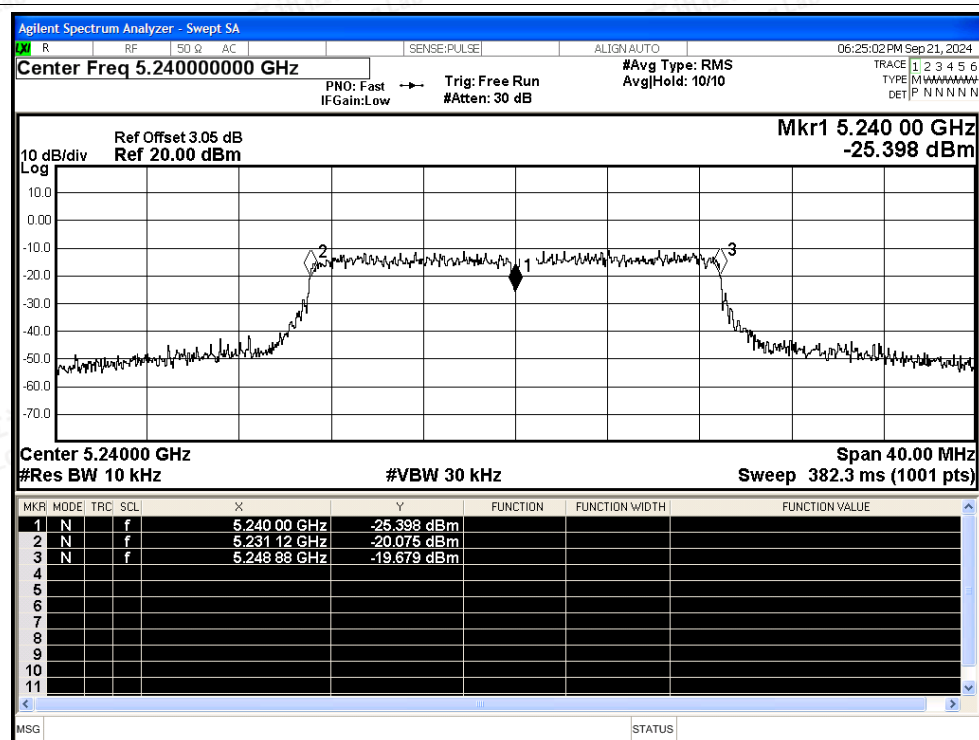
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

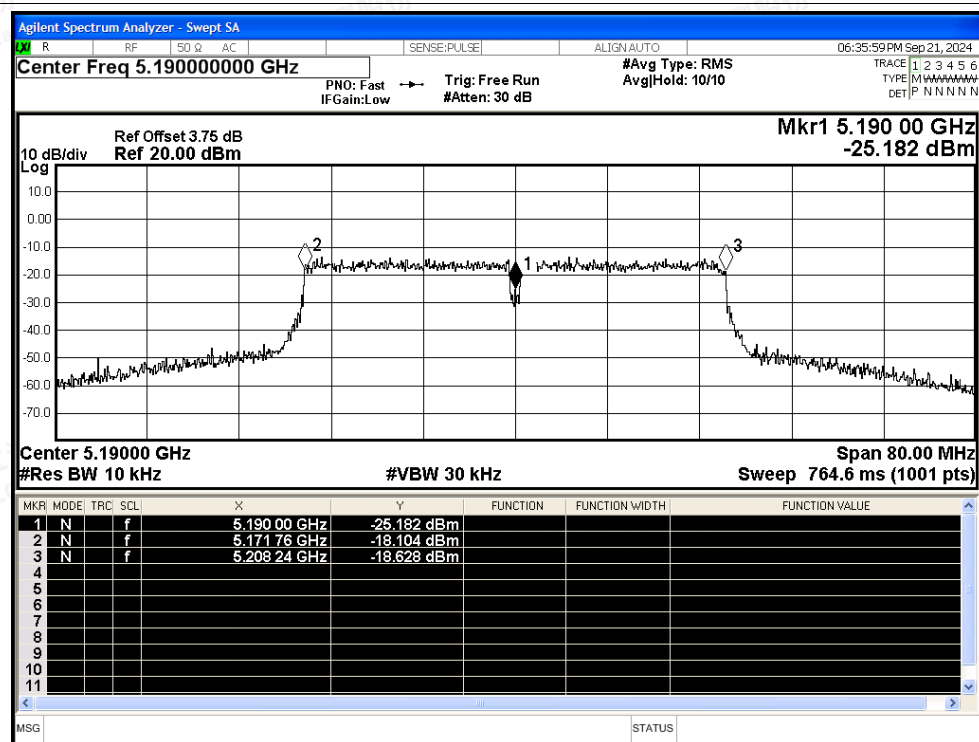
Scan code to check authenticity



Freq. Stability NVNT ac20 5240MHz Ant2



Freq. Stability NVNT ac40 5190MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

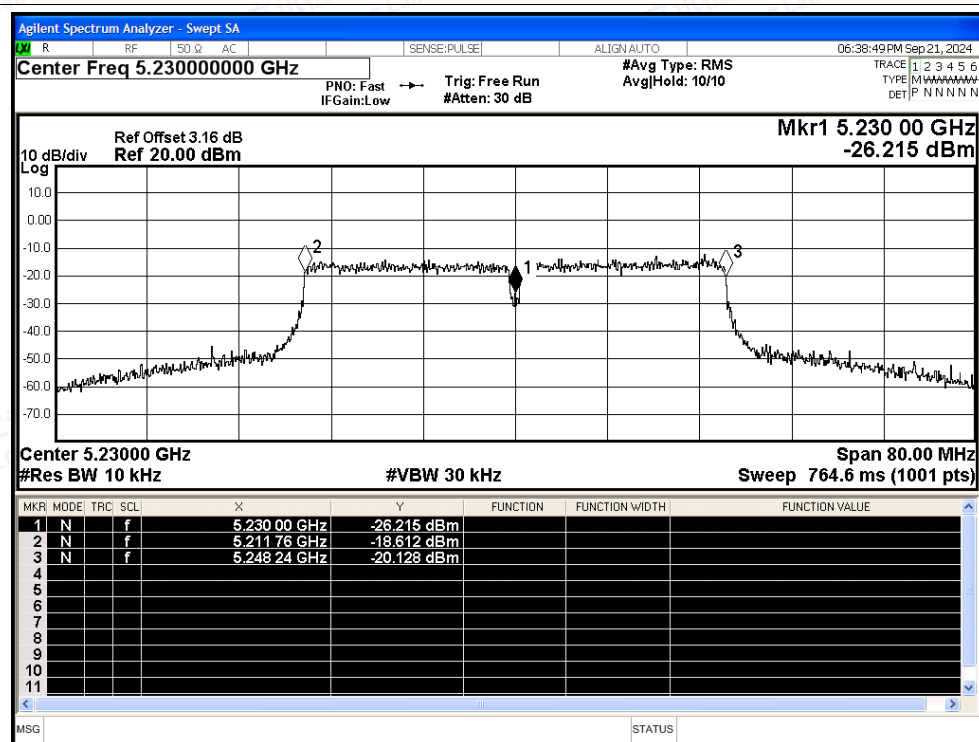
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

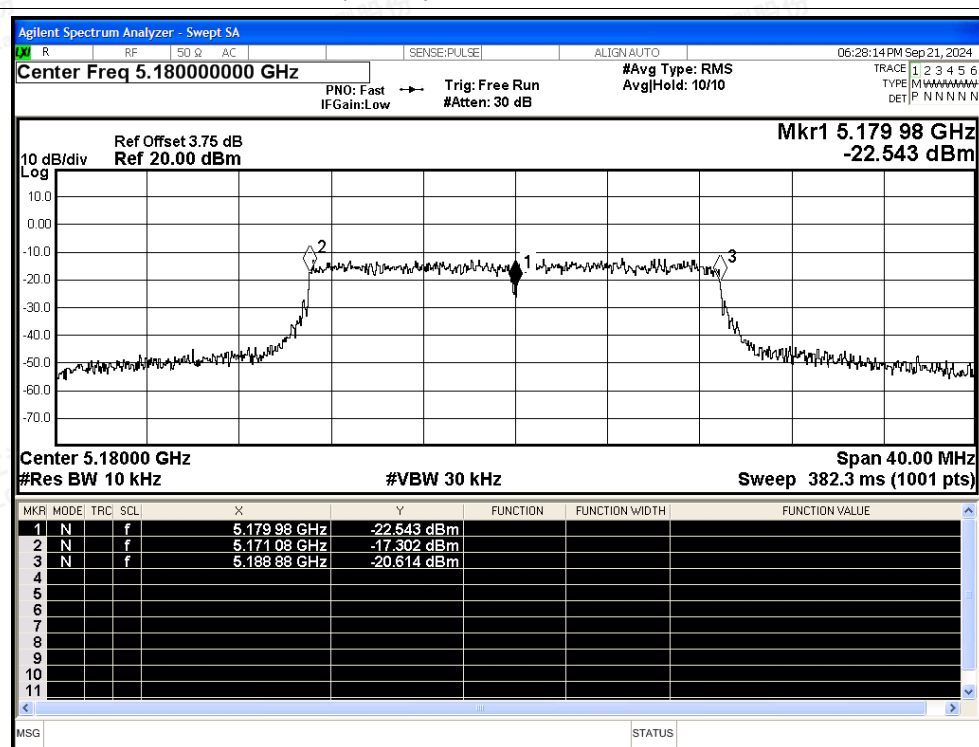
Scan code to check authenticity



Freq. Stability NVNT ac40 5230MHz Ant2

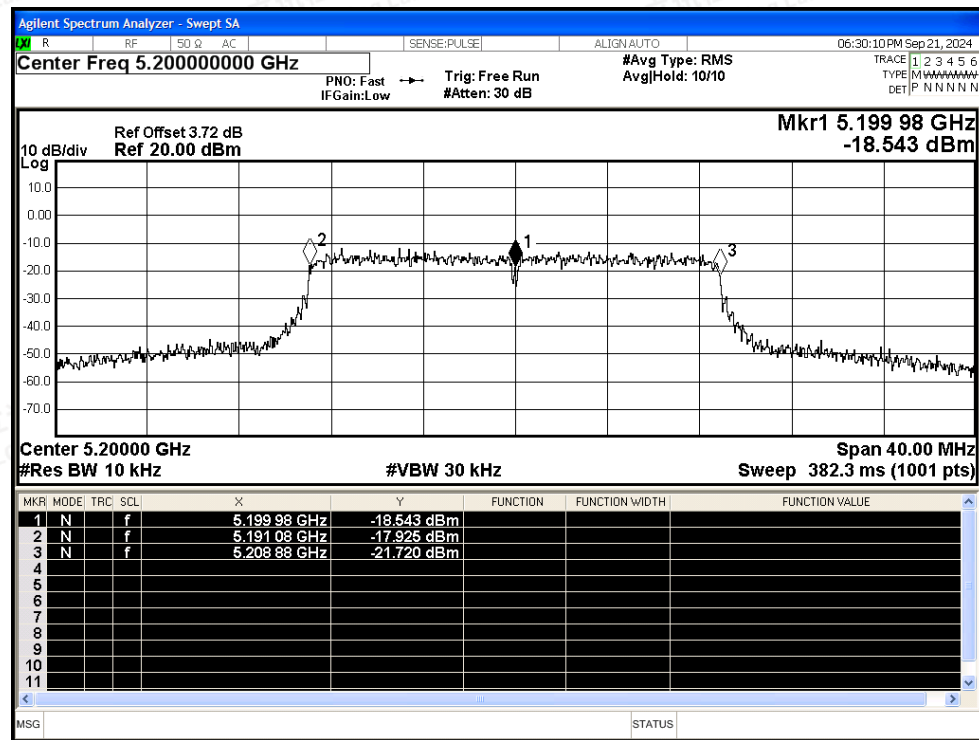


Freq. Stability NVNT ax20 5180MHz Ant2

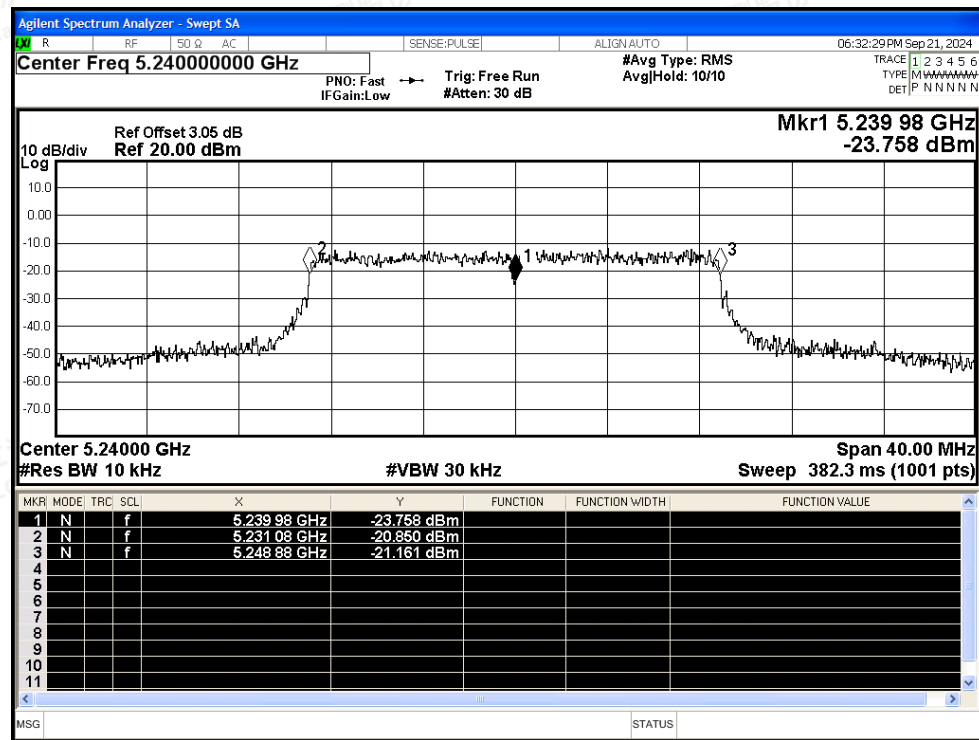




Freq. Stability NVNT ax20 5200MHz Ant2

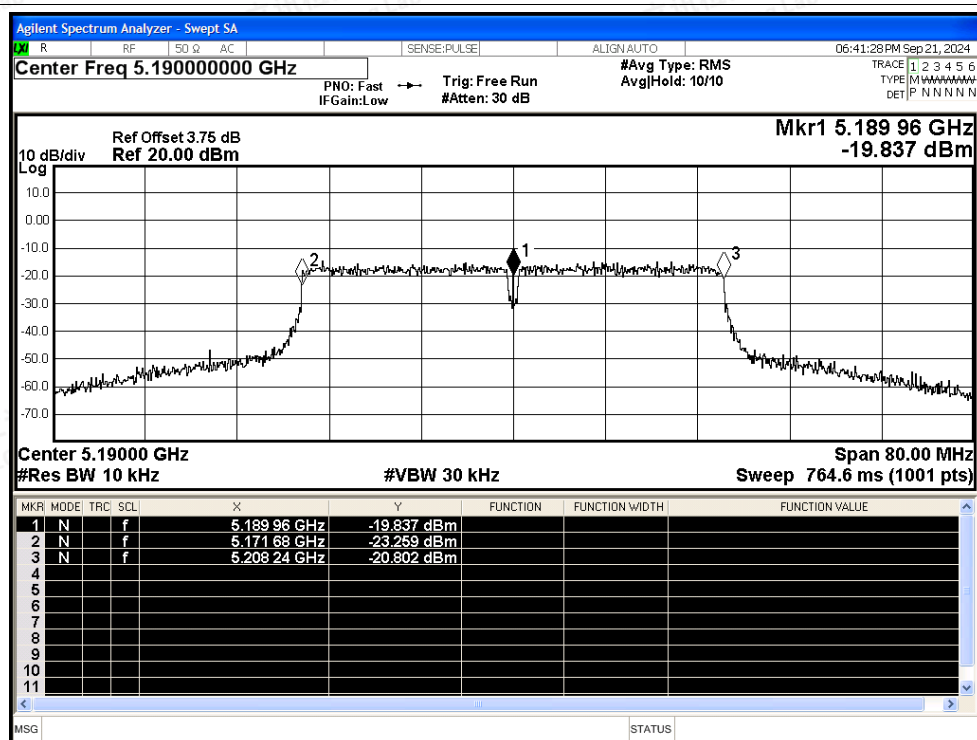


Freq. Stability NVNT ax20 5240MHz Ant2

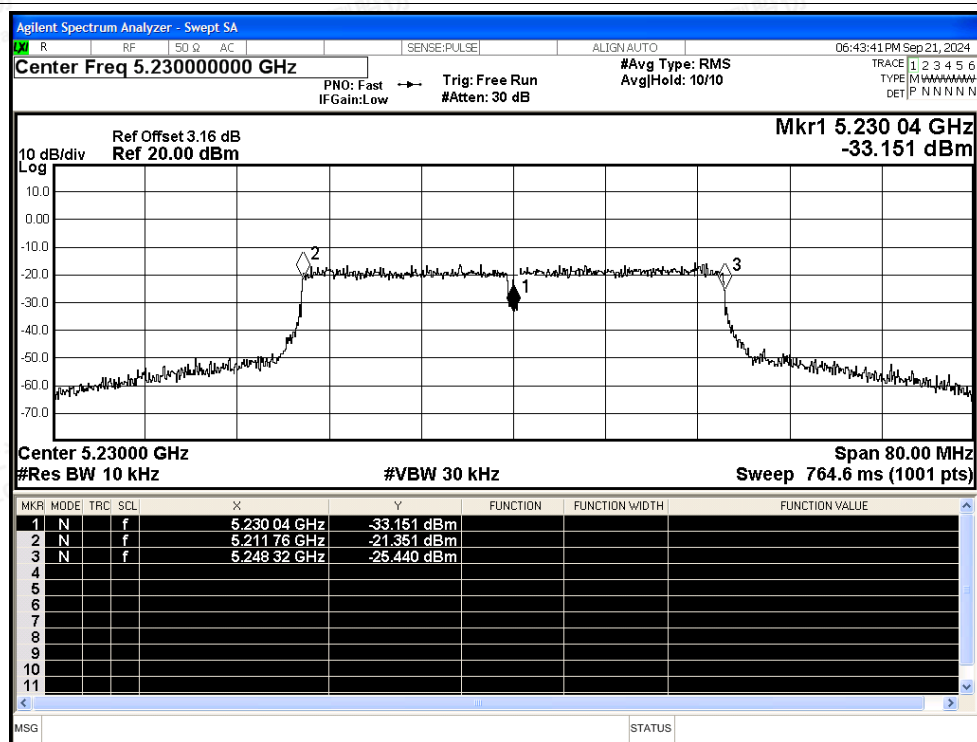




Freq. Stability NVNT ax40 5190MHz Ant2



Freq. Stability NVNT ax40 5230MHz Ant2



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



D.6 Duty Cycle

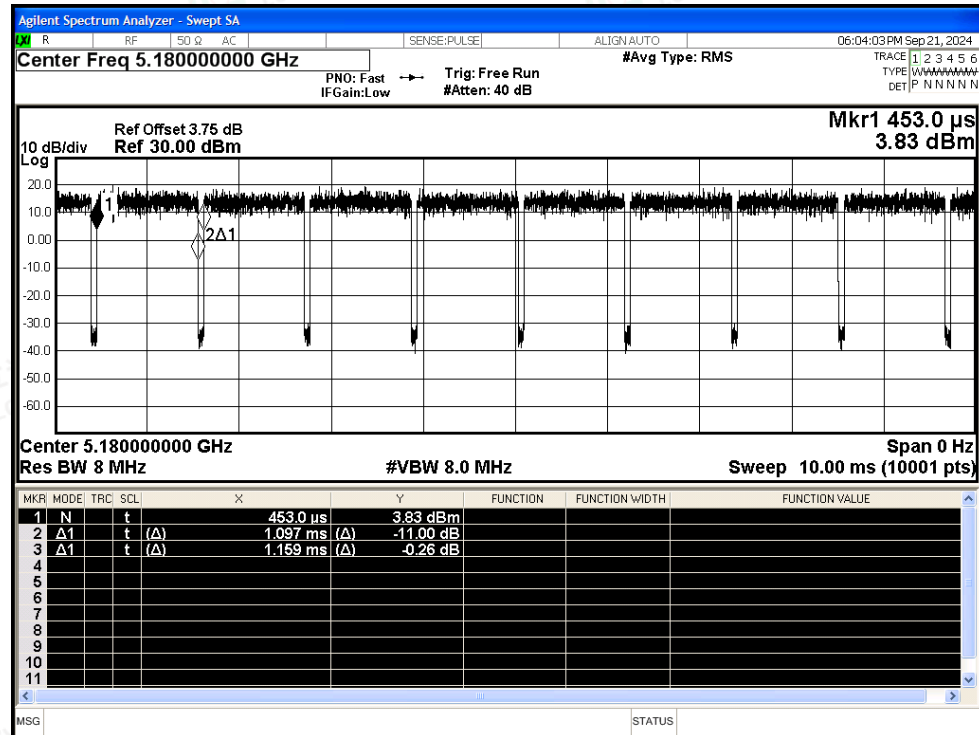
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant2	94.65	0.24	0.91
NVNT	a	5200	Ant2	94.65	0.24	0.91
NVNT	a	5240	Ant2	94.56	0.24	0.91
NVNT	n20	5180	Ant2	97.29	0.12	0.44
NVNT	n20	5200	Ant2	97.29	0.12	0.44
NVNT	n20	5240	Ant2	97.29	0.12	0.44
NVNT	n40	5190	Ant2	97.18	0.12	0.46
NVNT	n40	5230	Ant2	97.23	0.12	0.46
NVNT	ac20	5180	Ant2	97.34	0.12	0.44
NVNT	ac20	5200	Ant2	97.3	0.12	0.44
NVNT	ac20	5240	Ant2	97.34	0.12	0.44
NVNT	ac40	5190	Ant2	0	0	∞
NVNT	ac40	5230	Ant2	12.5	9.03	1000
NVNT	ax20	5180	Ant2	97.3	0.12	0.44
NVNT	ax20	5200	Ant2	97.34	0.12	0.44
NVNT	ax20	5240	Ant2	97.34	0.12	0.44
NVNT	ax40	5190	Ant2	97.24	0.12	0.46
NVNT	ax40	5230	Ant2	97.24	0.12	0.46



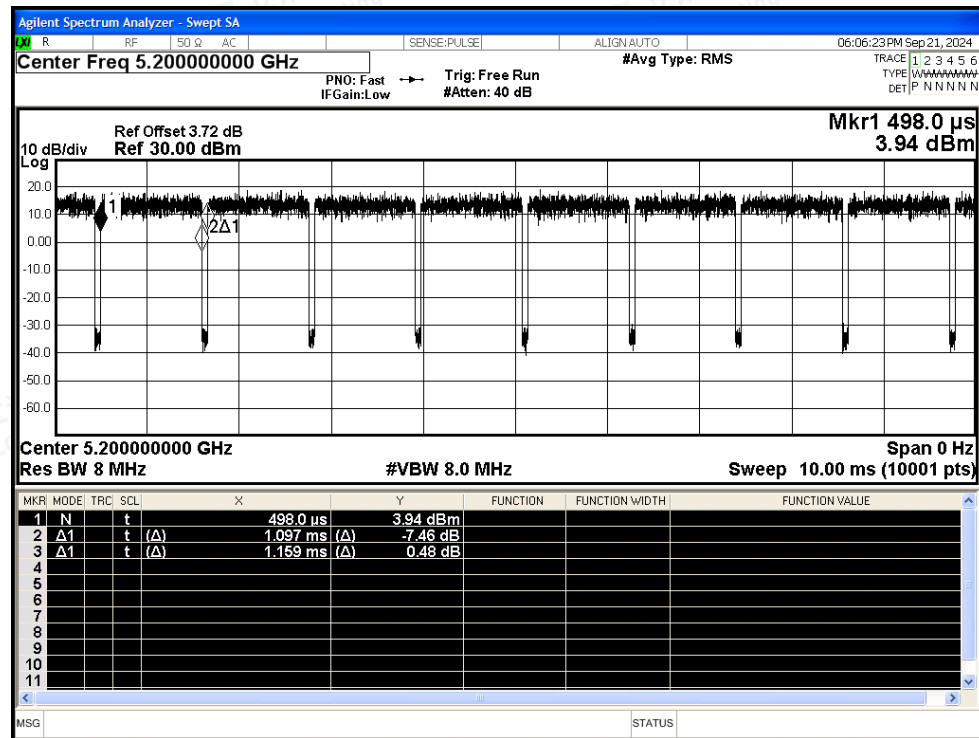


Test Graphs

Duty Cycle NVNT a 5180MHz Ant2

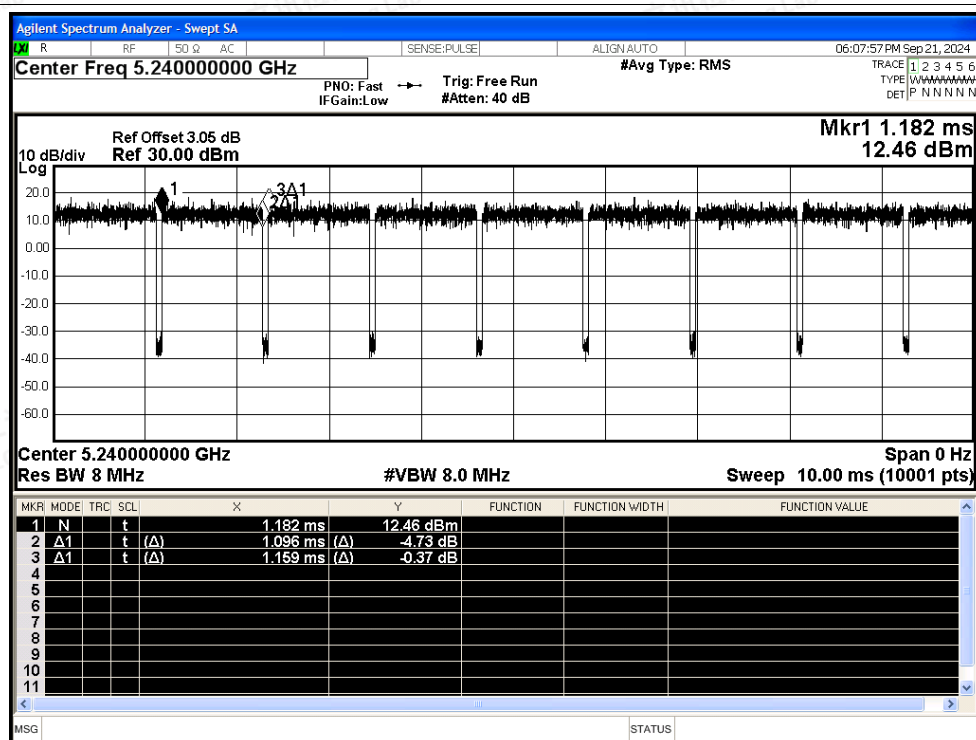


Duty Cycle NVNT a 5200MHz Ant2

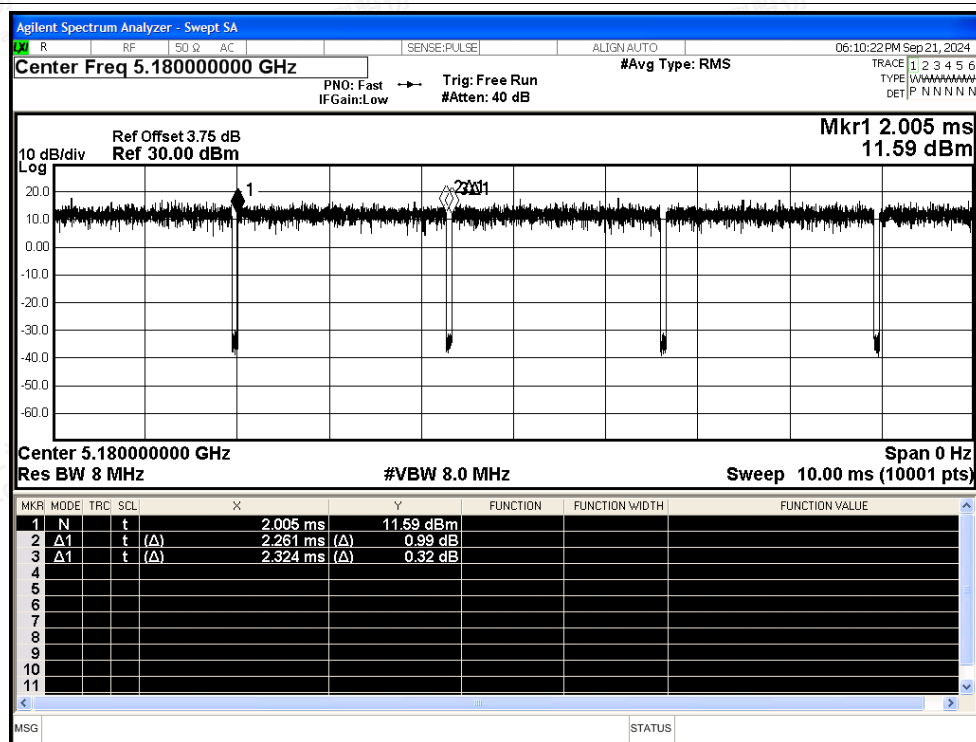




Duty Cycle NVNT a 5240MHz Ant2



Duty Cycle NVNT n20 5180MHz Ant2

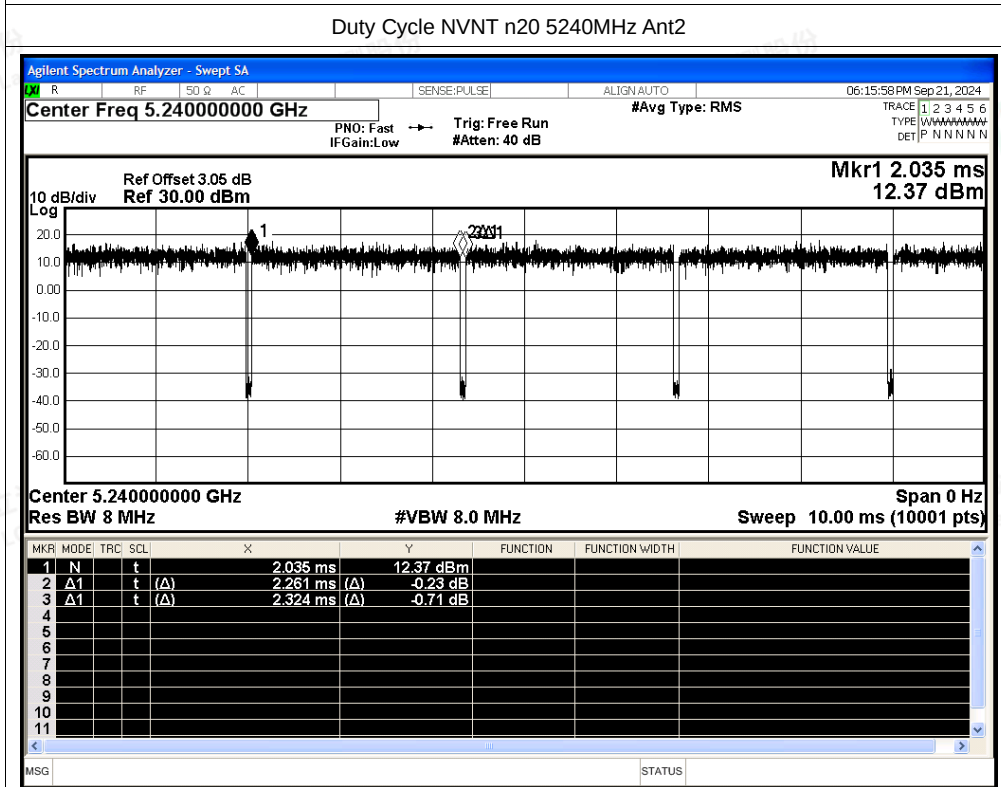
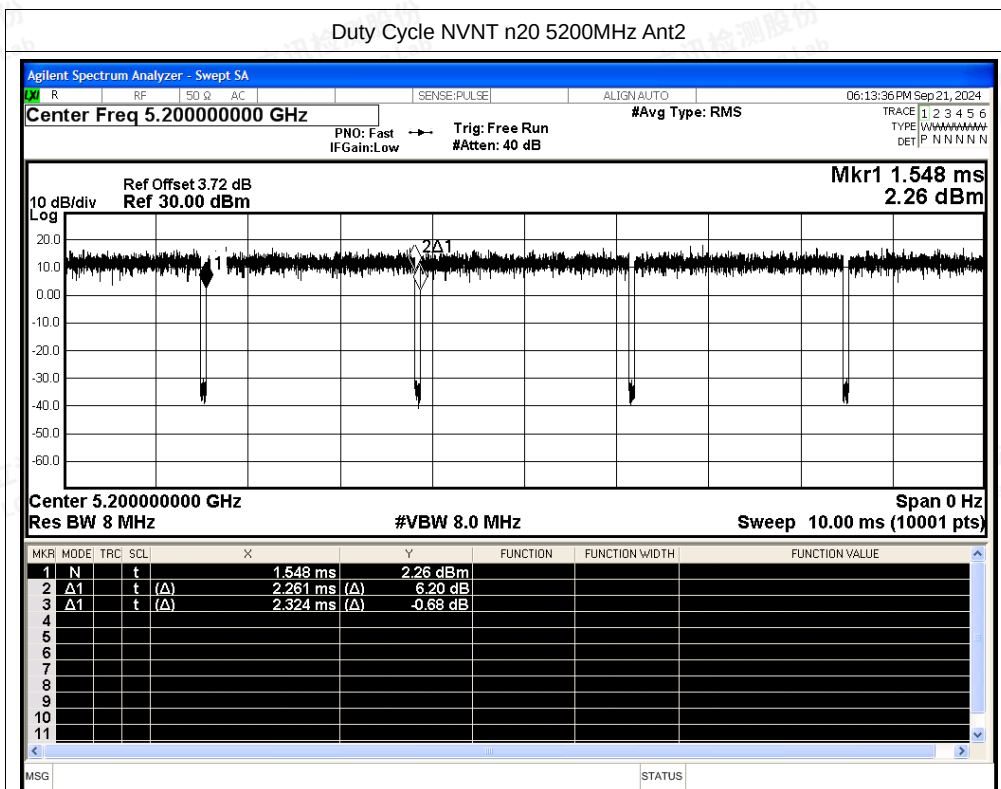


Shenzhen LCS Compliance Testing Laboratory Ltd.

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



Shenzhen LCS Compliance Testing Laboratory Ltd.

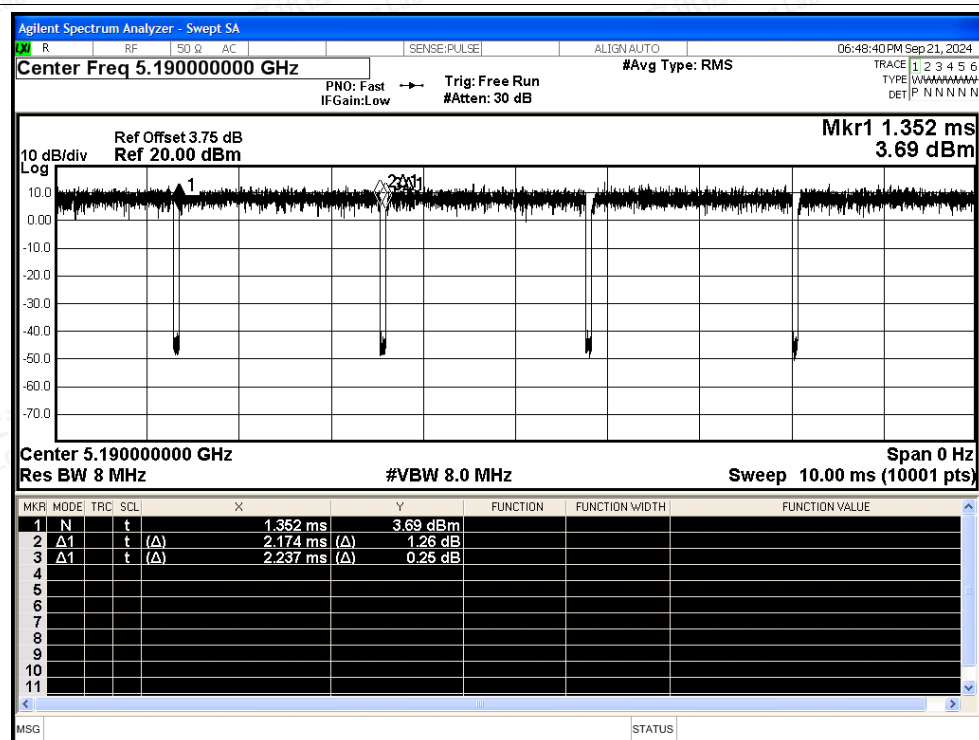
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

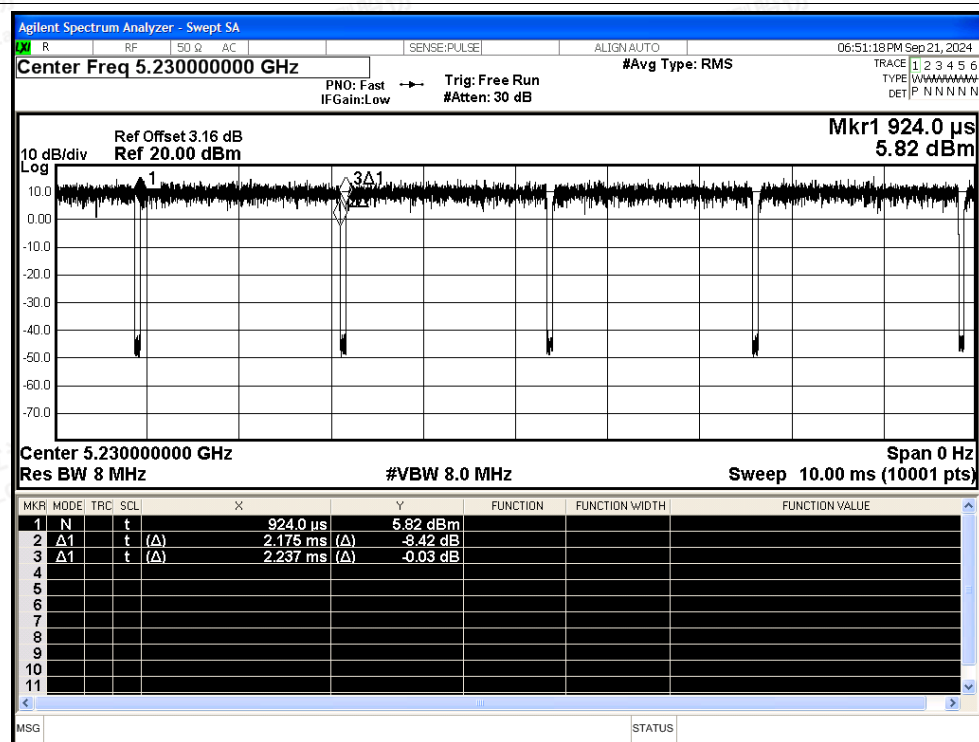
Scan code to check authenticity



Duty Cycle NVNT n40 5190MHz Ant2



Duty Cycle NVNT n40 5230MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

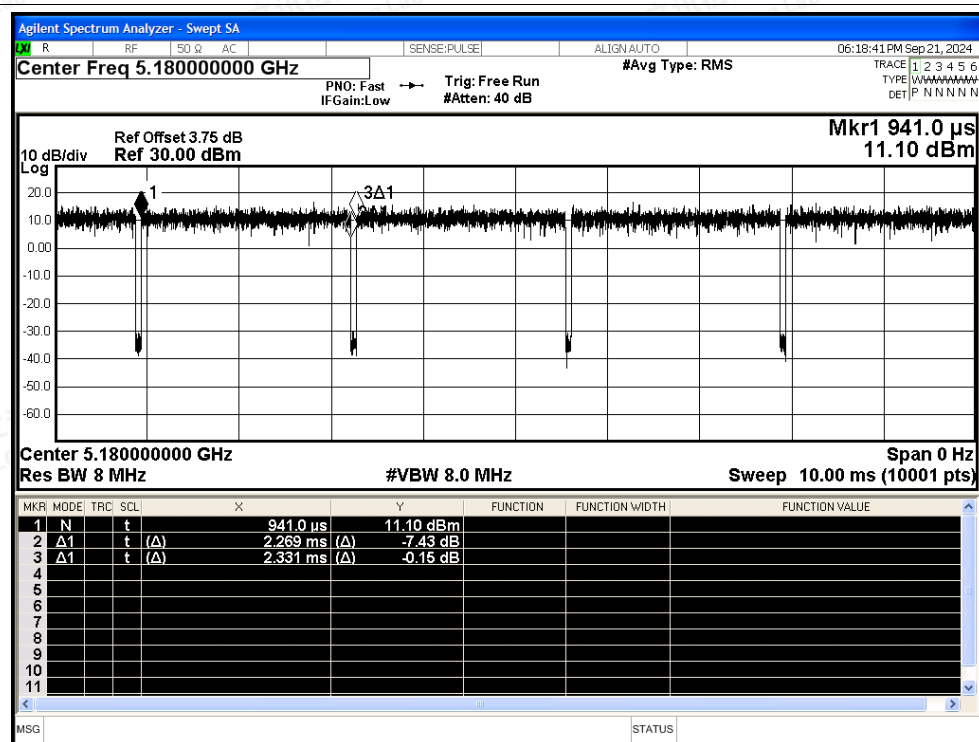
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

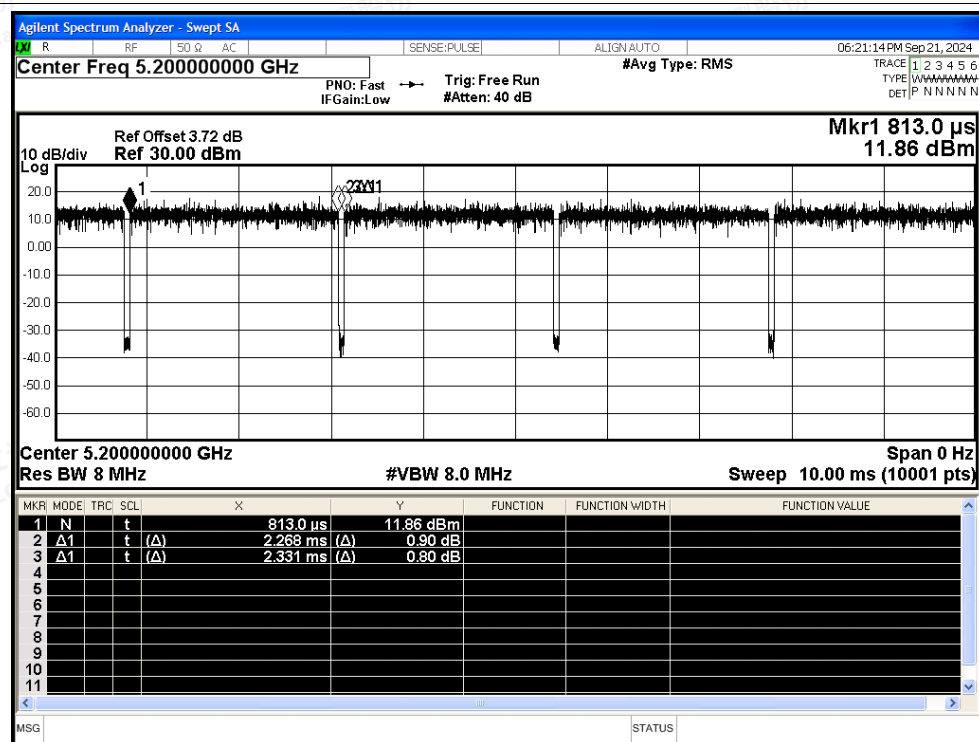
Scan code to check authenticity



Duty Cycle NVNT ac20 5180MHz Ant2

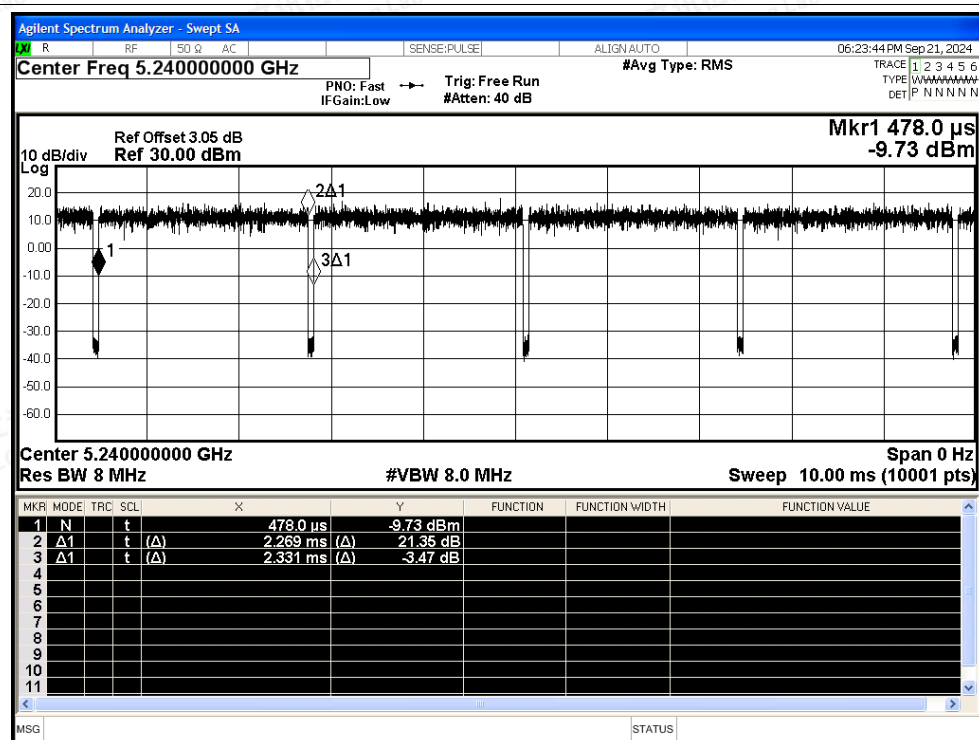


Duty Cycle NVNT ac20 5200MHz Ant2

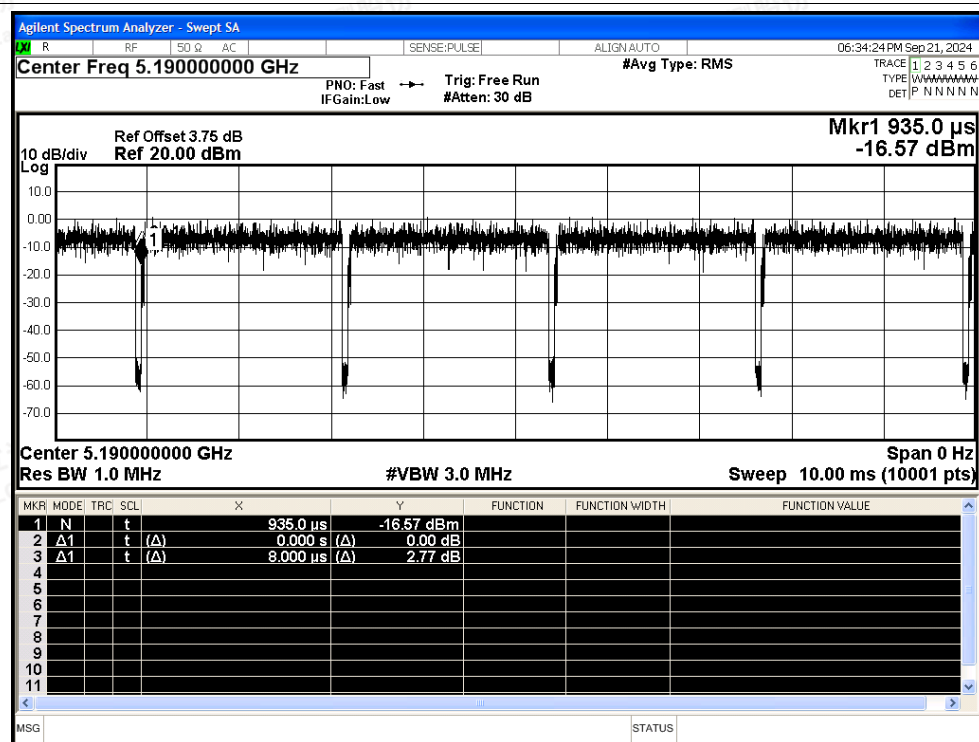




Duty Cycle NVNT ac20 5240MHz Ant2



Duty Cycle NVNT ac40 5190MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

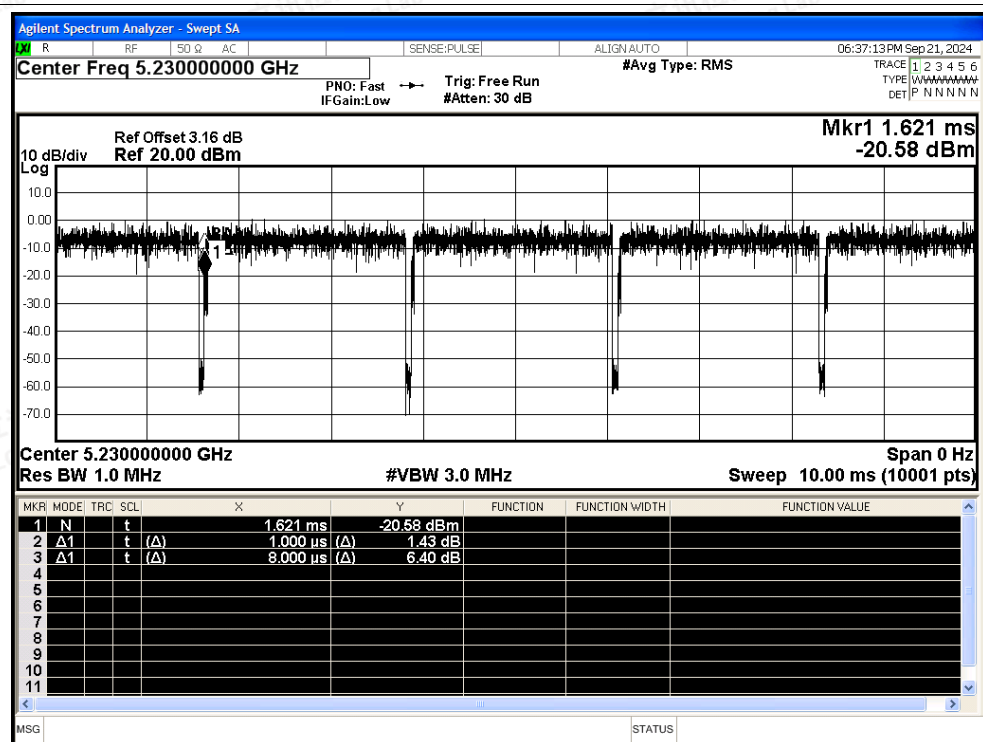
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

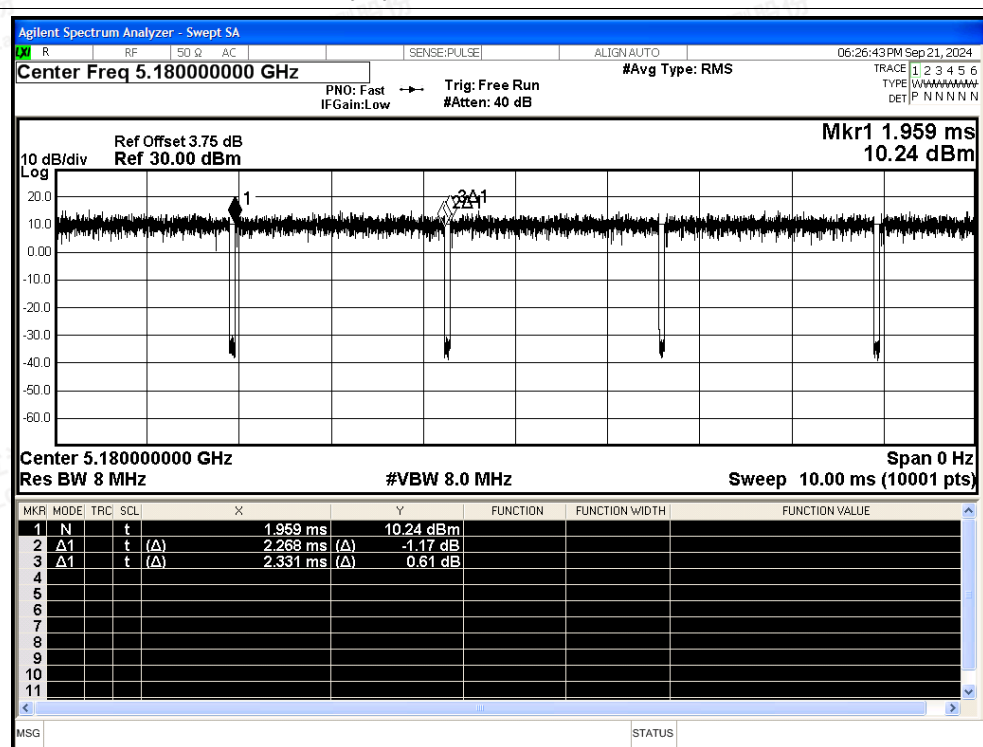
Scan code to check authenticity



Duty Cycle NVNT ac40 5230MHz Ant2

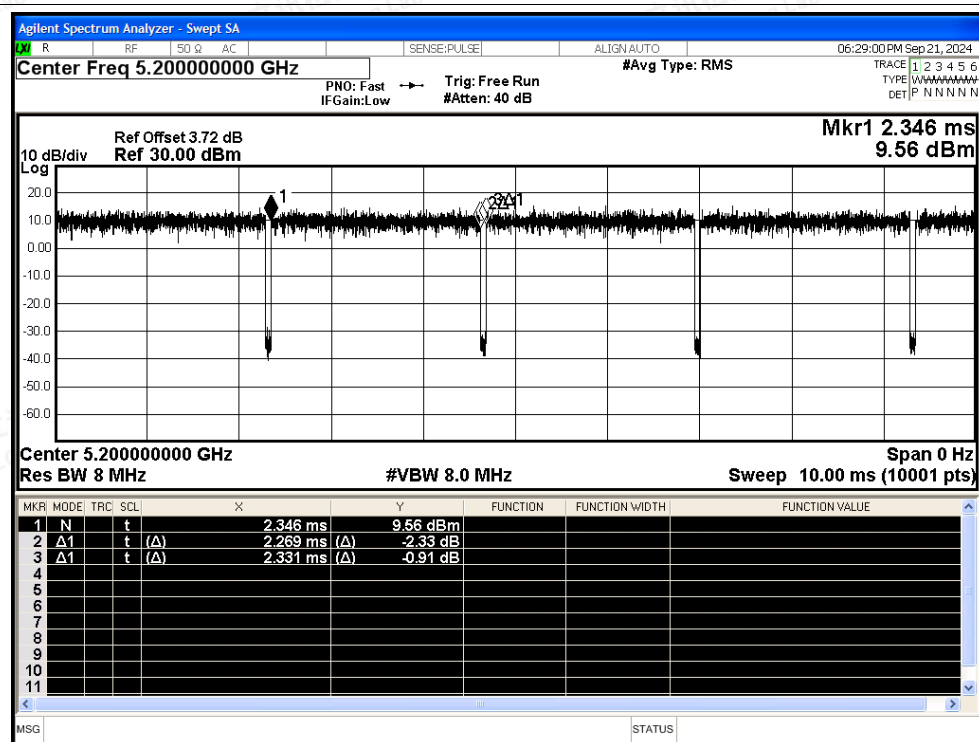


Duty Cycle NVNT ax20 5180MHz Ant2

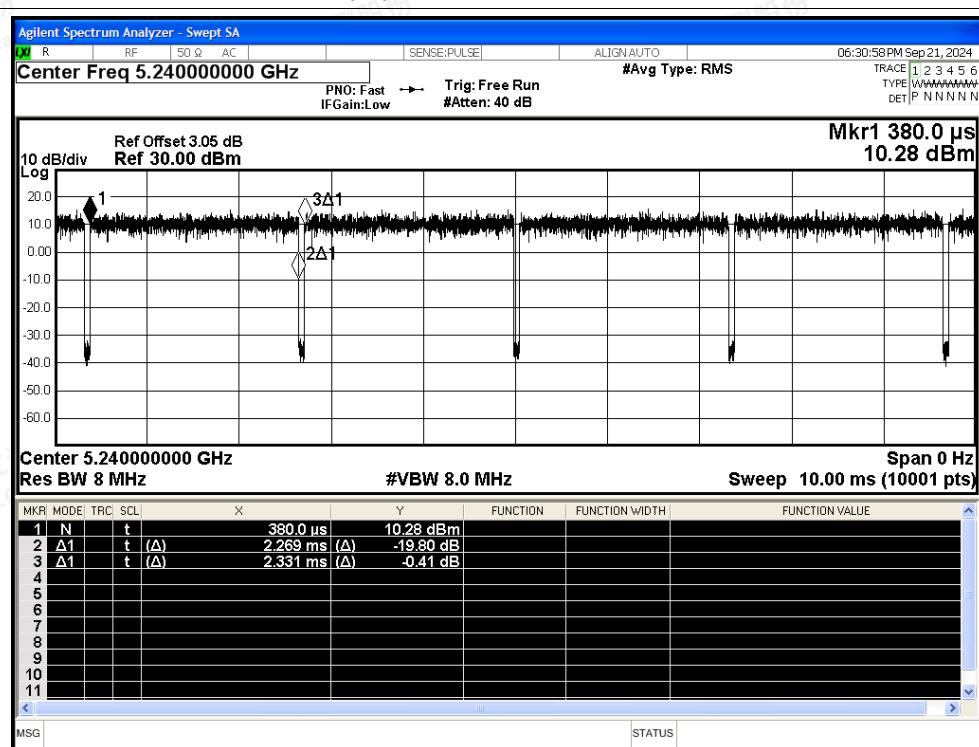




Duty Cycle NVNT ax20 5200MHz Ant2



Duty Cycle NVNT ax20 5240MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

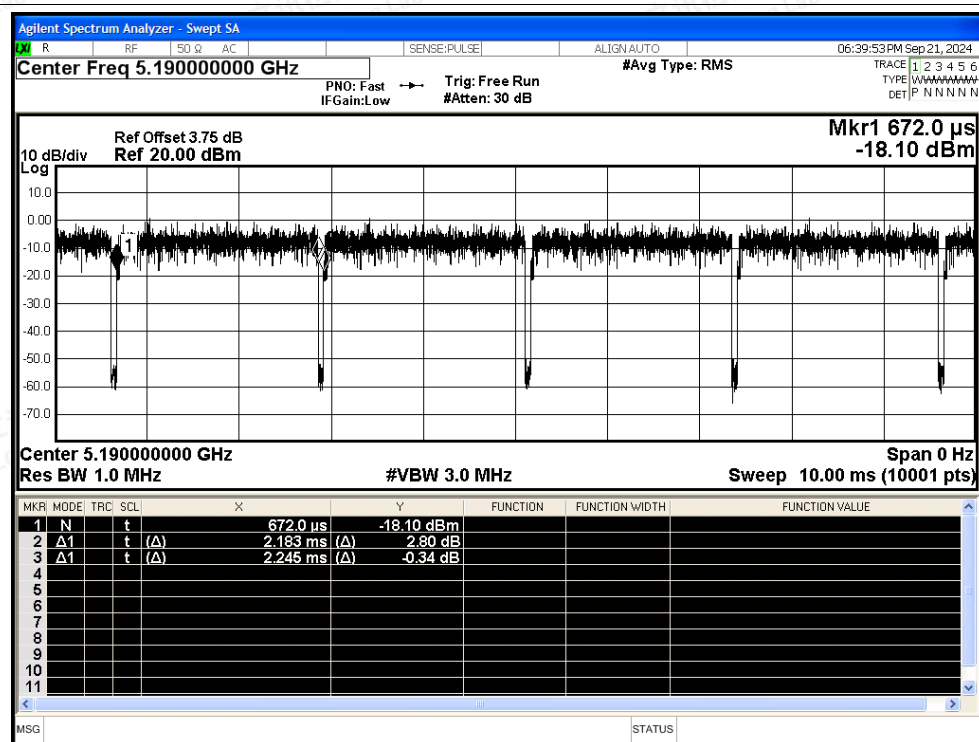
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



Duty Cycle NVNT ax40 5190MHz Ant2



Duty Cycle NVNT ax40 5230MHz Ant2

