



Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: NFT display

Test Model: COMPACT 1

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Joker Hu
Supervised by:	Ling Zhu





D.1 -26dB Bandwidth

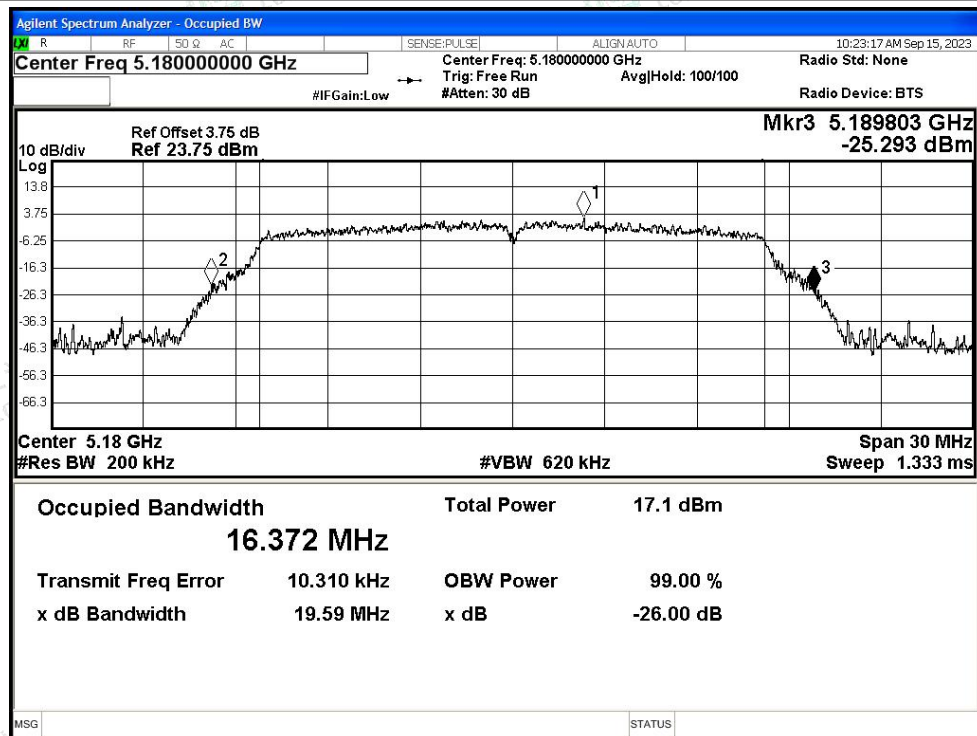
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.586	--	Pass
NVNT	a	5200	Ant1	19.795	--	Pass
NVNT	a	5240	Ant1	19.744	--	Pass
NVNT	n20	5180	Ant1	20.028	--	Pass
NVNT	n20	5200	Ant1	19.966	--	Pass
NVNT	n20	5240	Ant1	20.055	--	Pass
NVNT	n40	5190	Ant1	40.277	--	Pass
NVNT	n40	5230	Ant1	40.055	--	Pass
NVNT	ac20	5180	Ant1	20.072	--	Pass
NVNT	ac20	5200	Ant1	20.014	--	Pass
NVNT	ac20	5240	Ant1	19.842	--	Pass
NVNT	ac40	5190	Ant1	40.206	--	Pass
NVNT	ac40	5230	Ant1	40.669	--	Pass



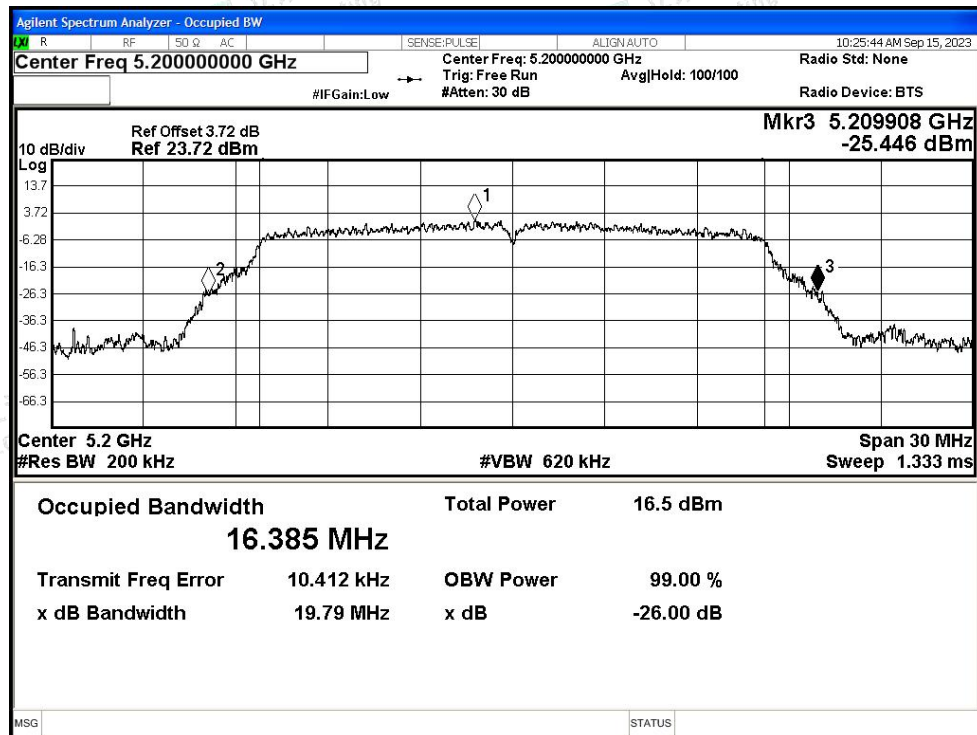


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1



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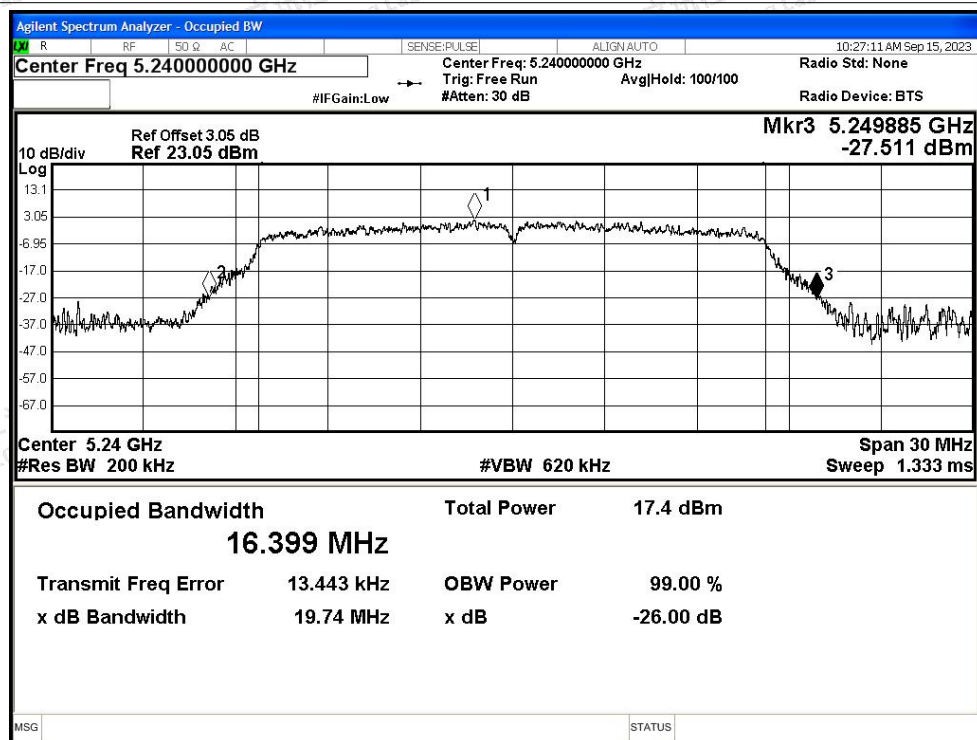
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

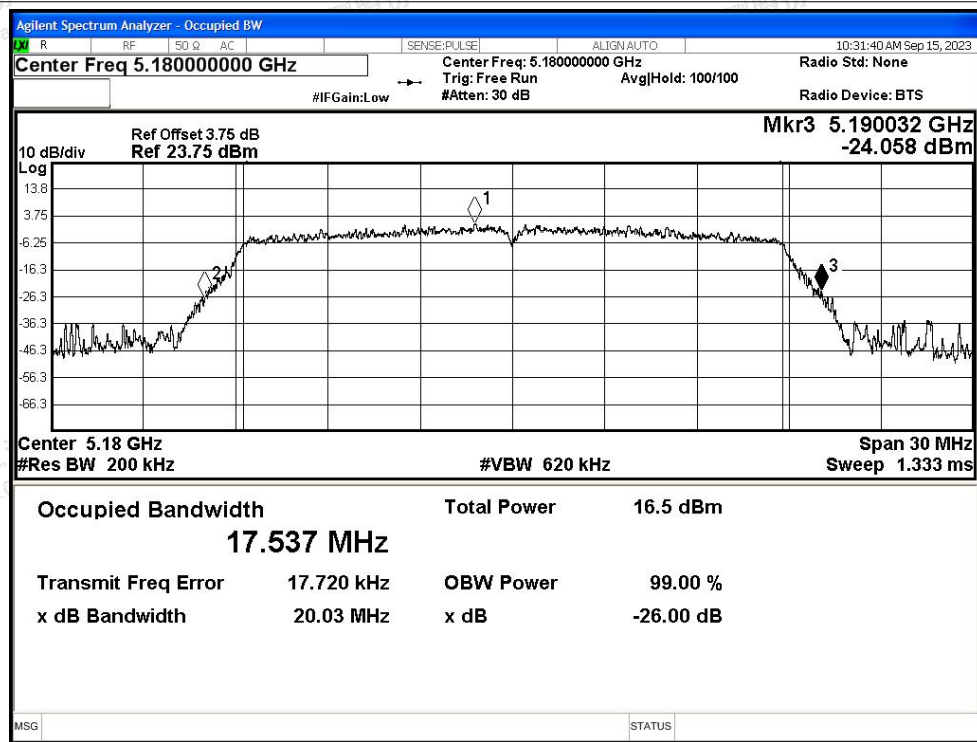
Scan code to check authenticity



-26dB Bandwidth NVNT a 5240MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1



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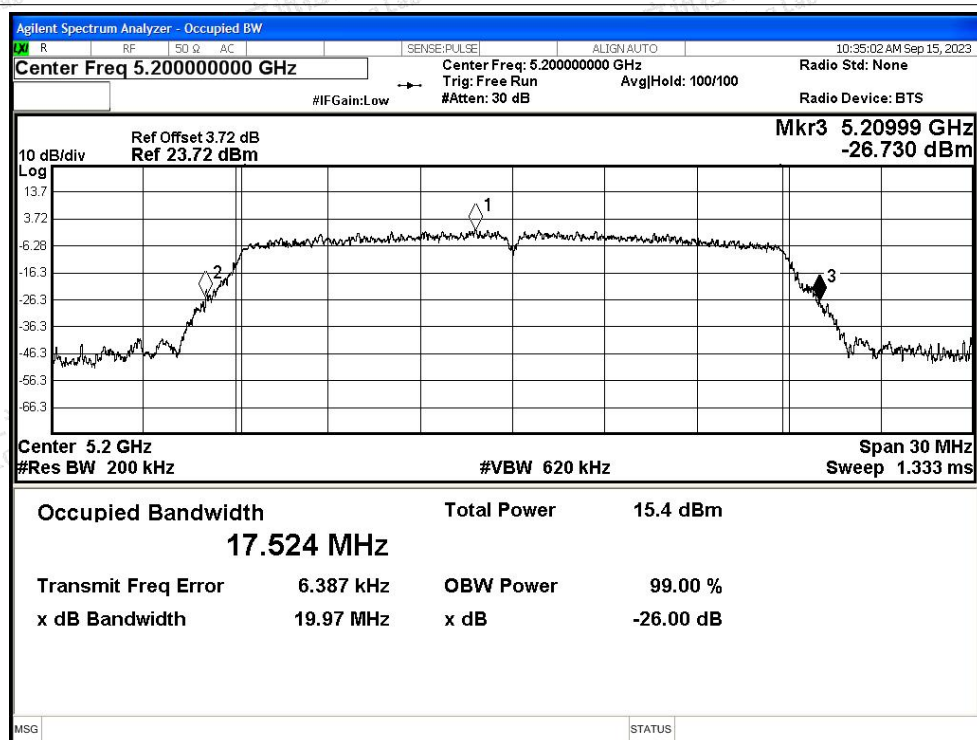
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

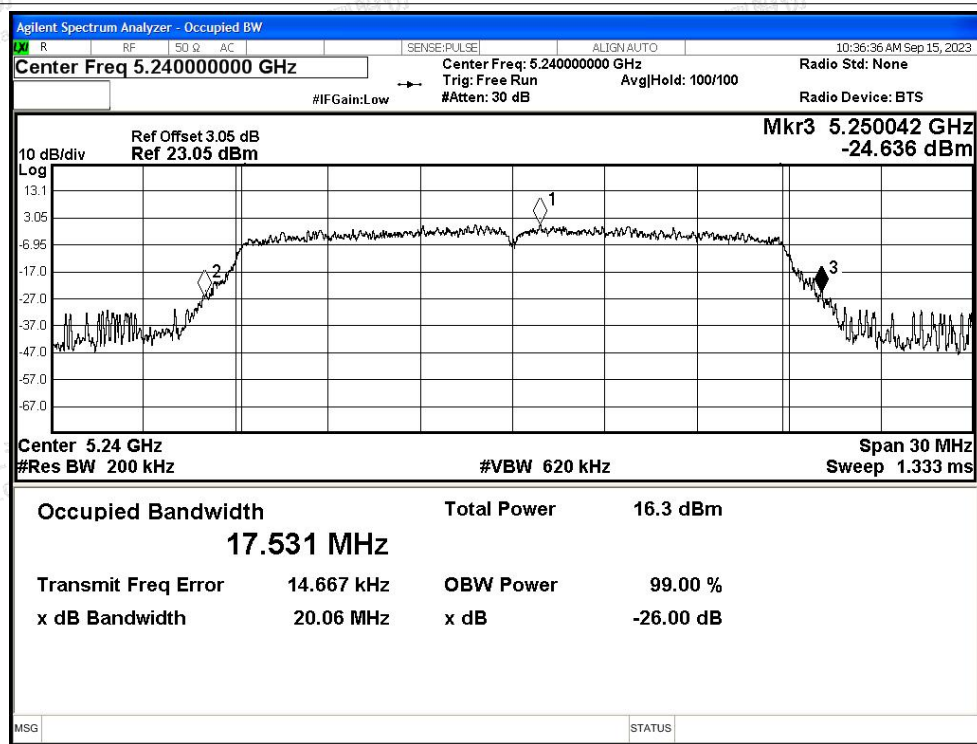
Scan code to check authenticity



-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1



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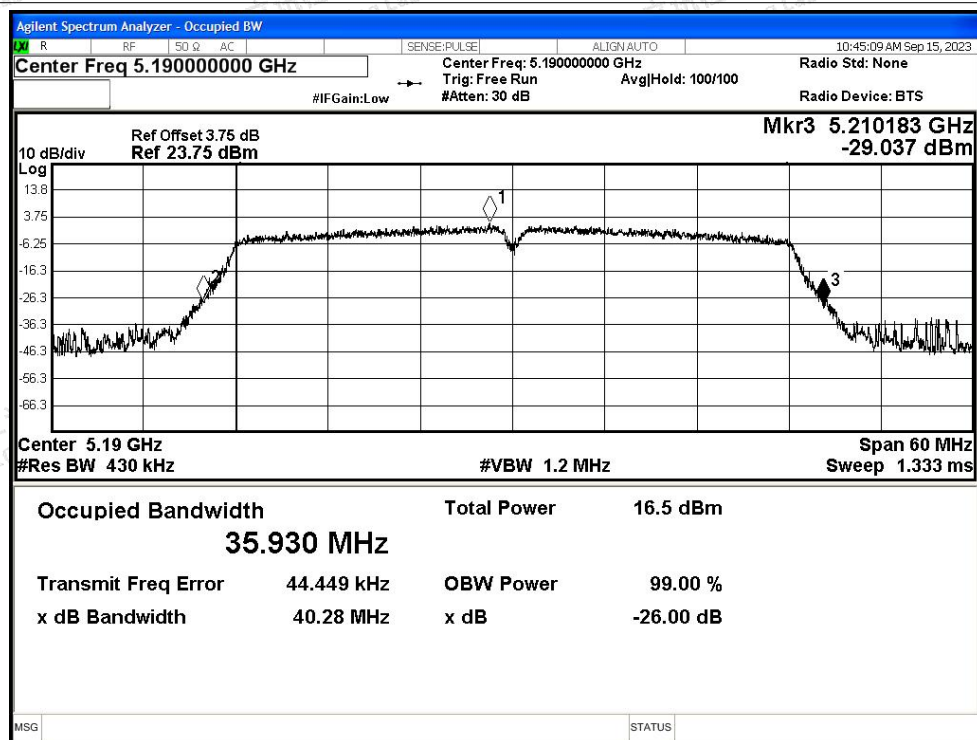
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

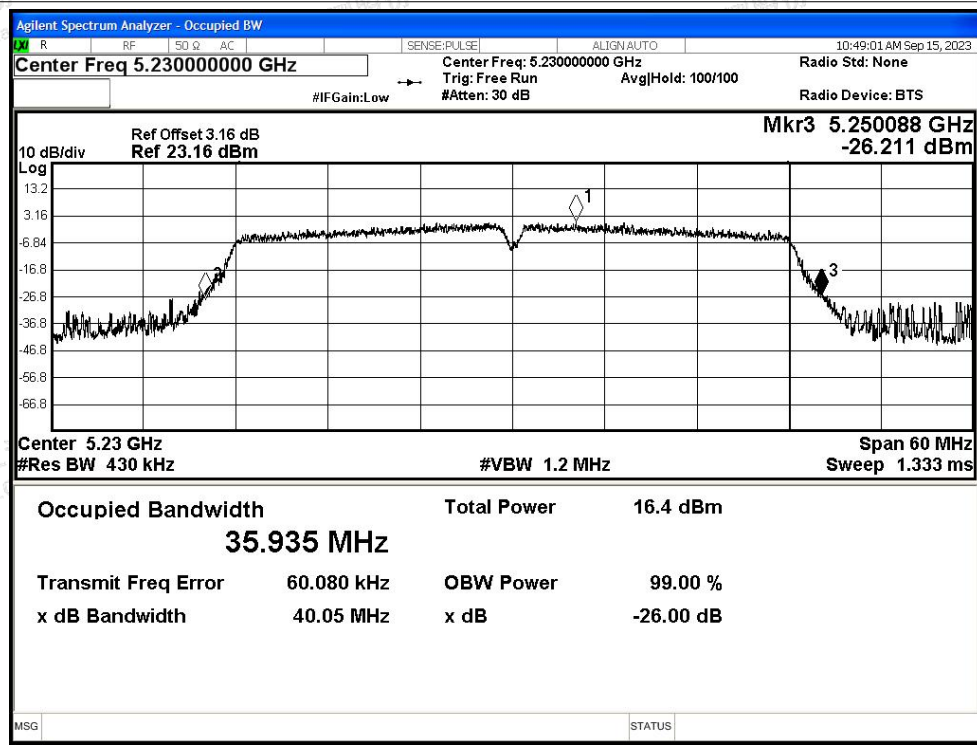
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-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1



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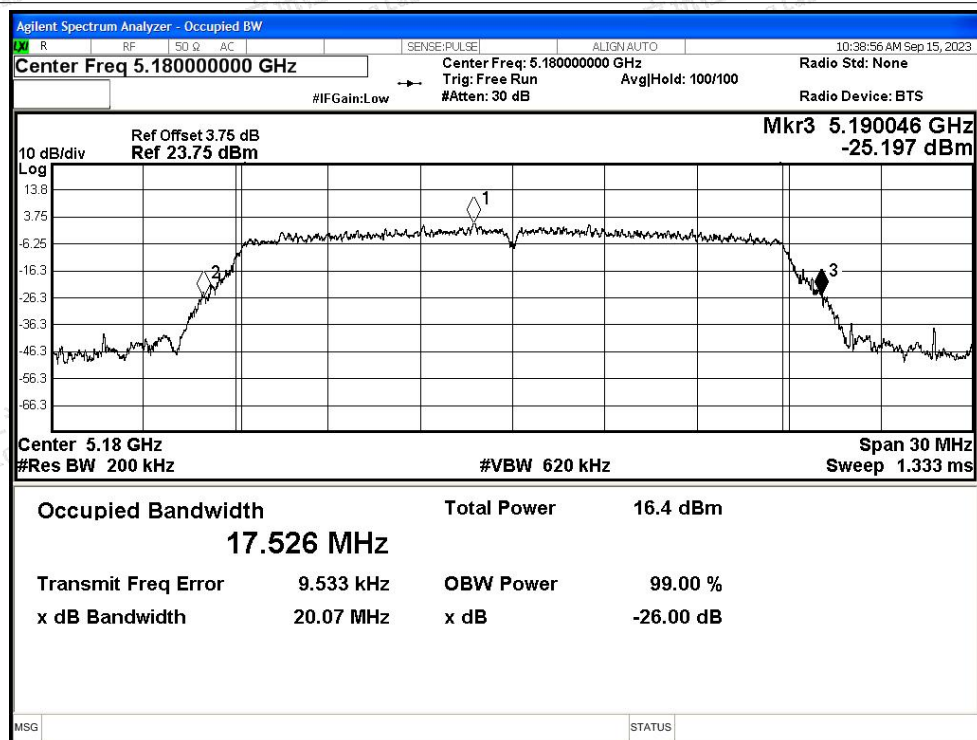
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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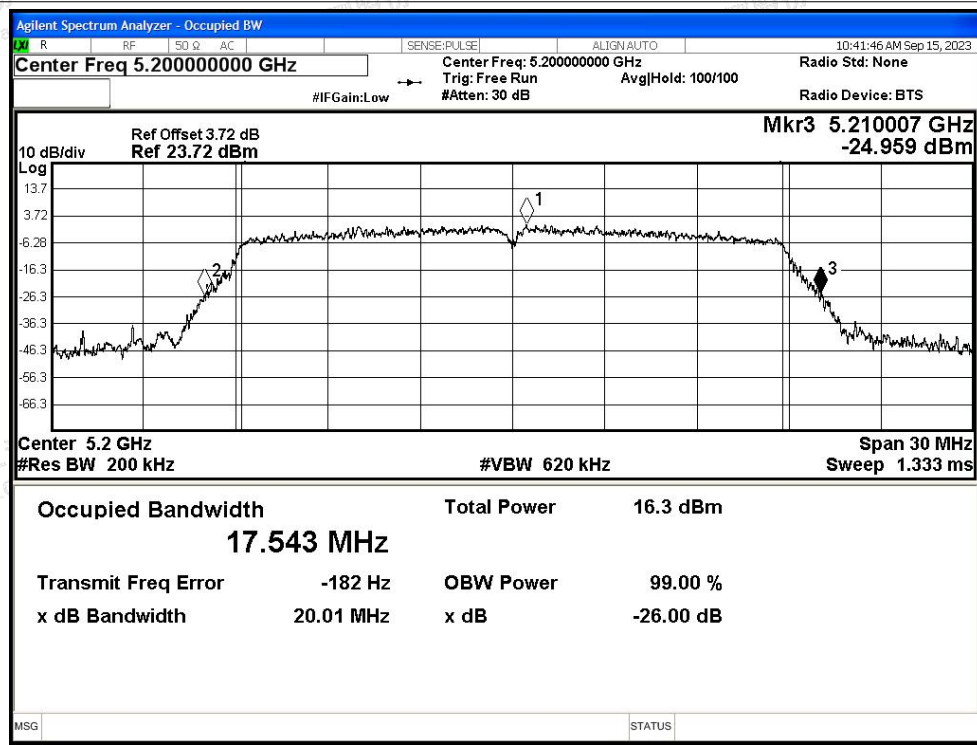
Scan code to check authenticity



-26dB Bandwidth NVNT ac20 5180MHz Ant1



-26dB Bandwidth NVNT ac20 5200MHz Ant1



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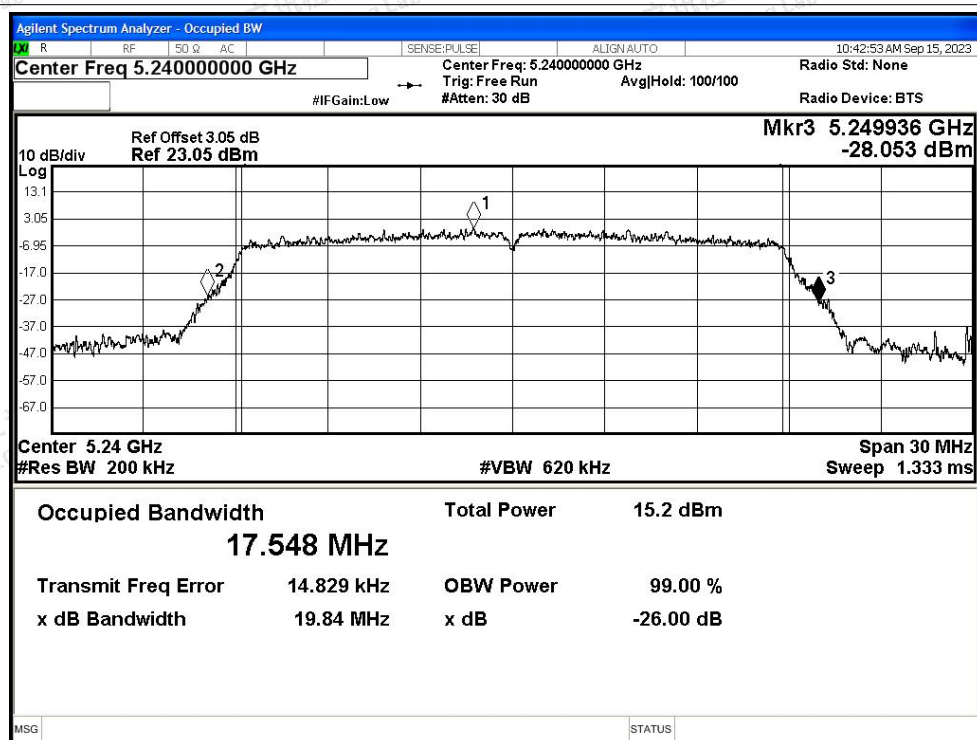
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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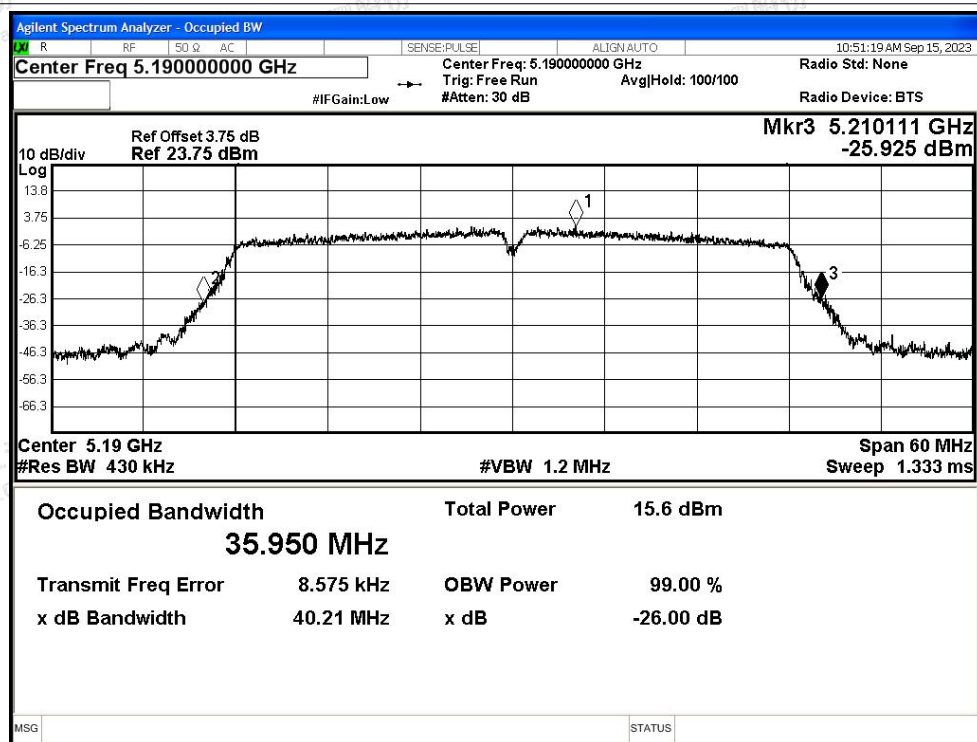
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-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ac40 5190MHz Ant1

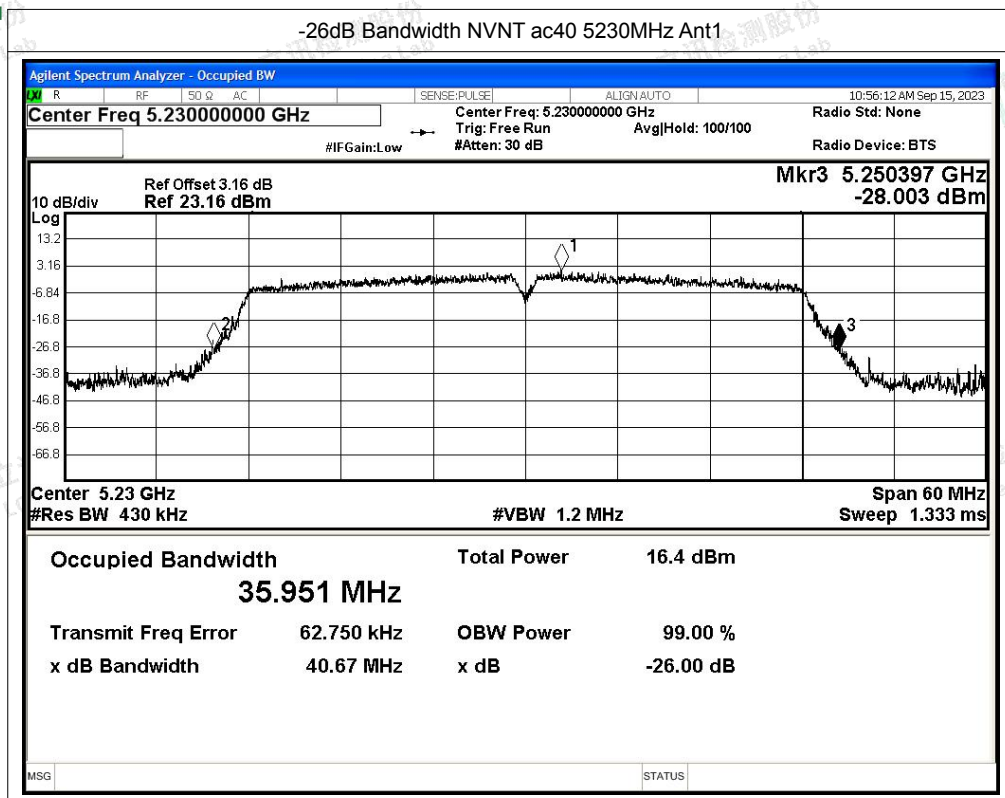


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D.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.66	24	Pass
NVNT	a	5200	Ant1	11.11	24	Pass
NVNT	a	5240	Ant1	11.95	24	Pass
NVNT	n20	5180	Ant1	11.03	24	Pass
NVNT	n20	5200	Ant1	9.99	24	Pass
NVNT	n20	5240	Ant1	10.73	24	Pass
NVNT	n40	5190	Ant1	10.97	24	Pass
NVNT	n40	5230	Ant1	10.86	24	Pass
NVNT	ac20	5180	Ant1	11.02	24	Pass
NVNT	ac20	5200	Ant1	10.95	24	Pass
NVNT	ac20	5240	Ant1	9.74	24	Pass
NVNT	ac40	5190	Ant1	10.13	24	Pass
NVNT	ac40	5230	Ant1	10.74	24	Pass

Note: The duty factor value has been added to the Total Power value



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D.3 Maximum Power Spectral Density Level

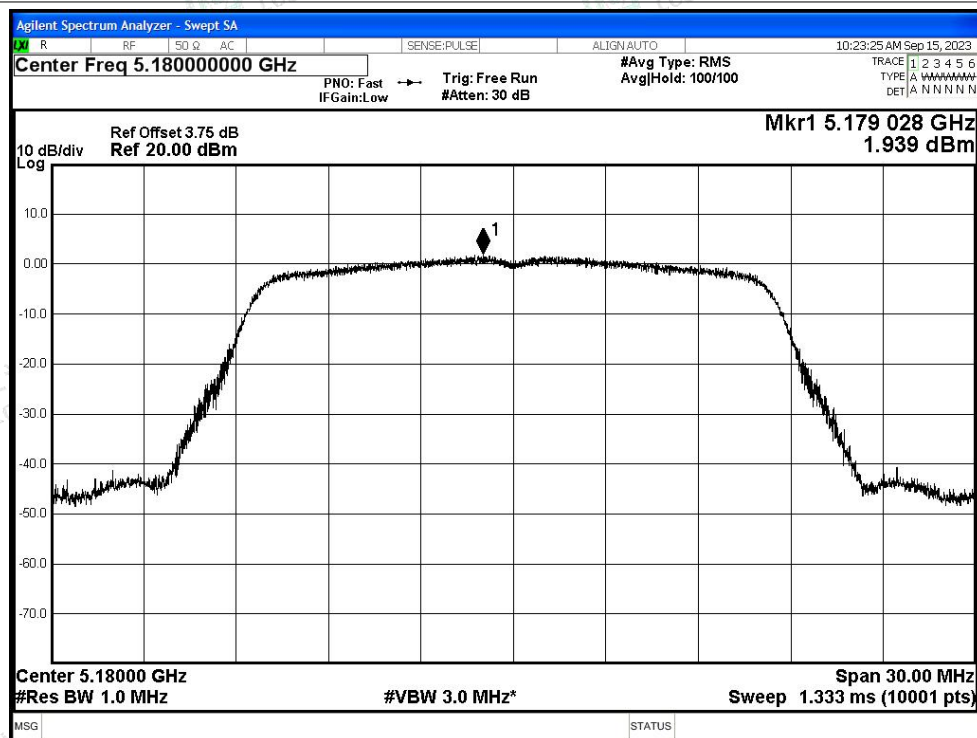
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	1.94	0.14	2.08	11	Pass
NVNT	a	5200	Ant1	1.21	0.13	1.34	11	Pass
NVNT	a	5240	Ant1	2.19	0.13	2.32	11	Pass
NVNT	n20	5180	Ant1	1.27	0.15	1.42	11	Pass
NVNT	n20	5200	Ant1	-0.02	0.15	0.13	11	Pass
NVNT	n20	5240	Ant1	0.82	0.15	0.97	11	Pass
NVNT	n40	5190	Ant1	-2.01	0.29	-1.72	11	Pass
NVNT	n40	5230	Ant1	-2.23	0.28	-1.95	11	Pass
NVNT	ac20	5180	Ant1	0.99	0.14	1.13	11	Pass
NVNT	ac20	5200	Ant1	1.06	0.14	1.2	11	Pass
NVNT	ac20	5240	Ant1	-0.24	0.14	-0.1	11	Pass
NVNT	ac40	5190	Ant1	-2.95	0.28	-2.67	11	Pass
NVNT	ac40	5230	Ant1	-1.94	0.28	-1.66	11	Pass



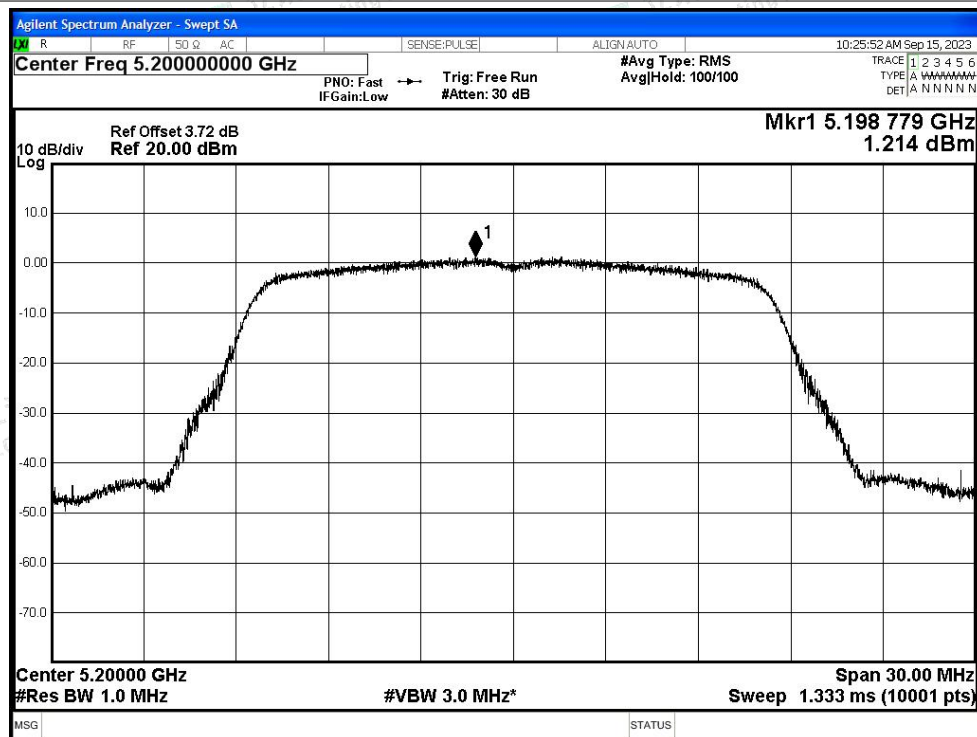


Test Graphs

PSD NVNT a 5180MHz Ant1



PSD NVNT a 5200MHz Ant1



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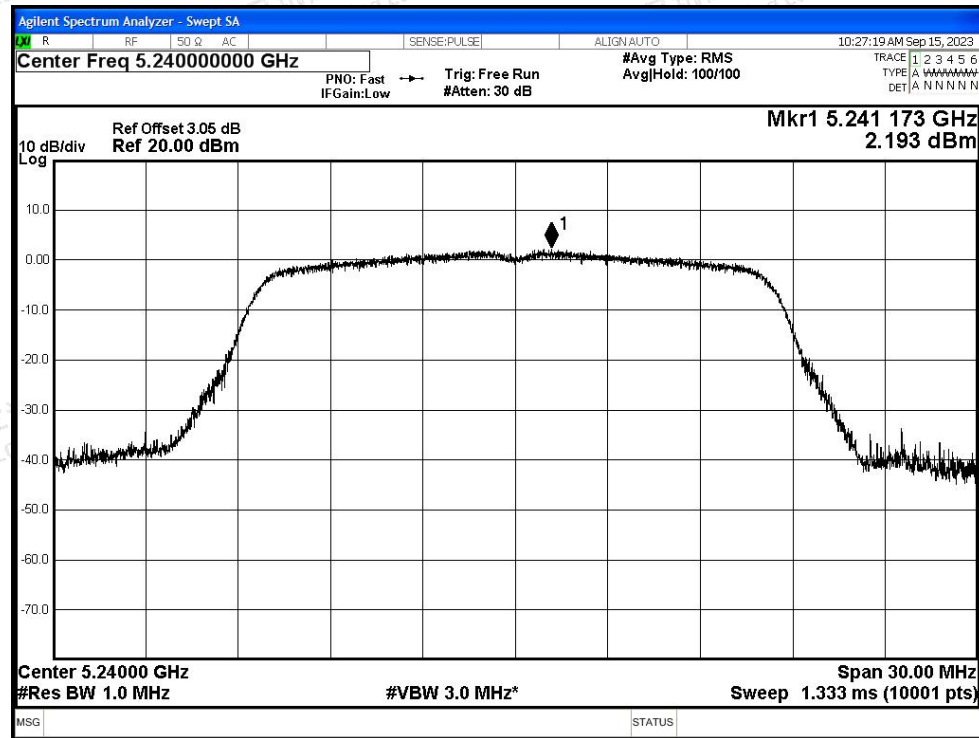
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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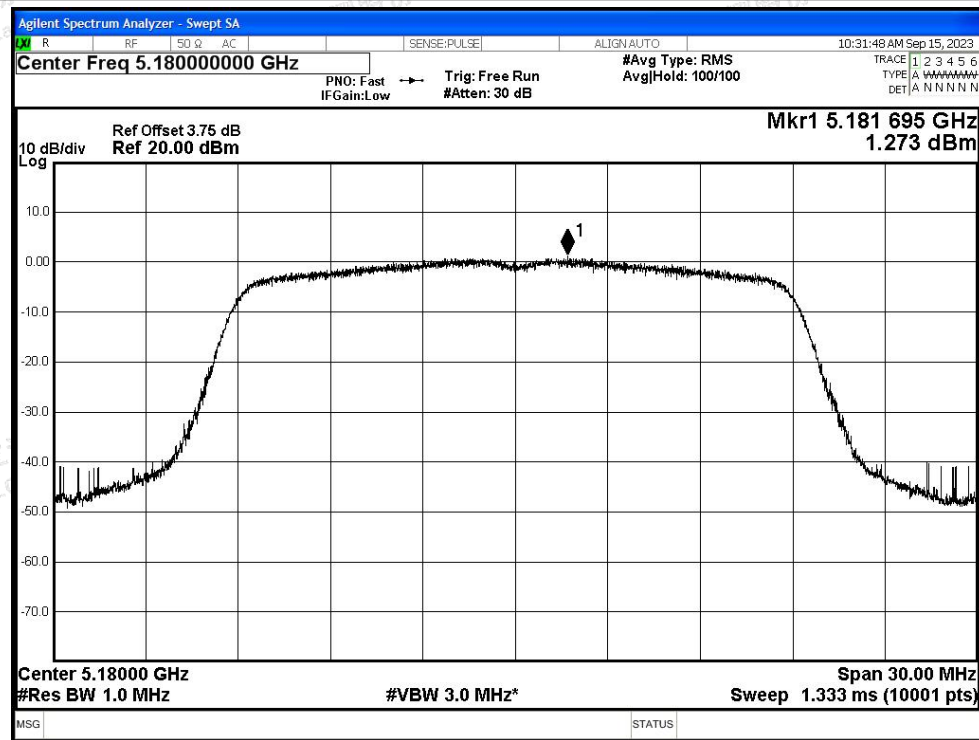
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PSD NVNT a 5240MHz Ant1



PSD NVNT n20 5180MHz Ant1



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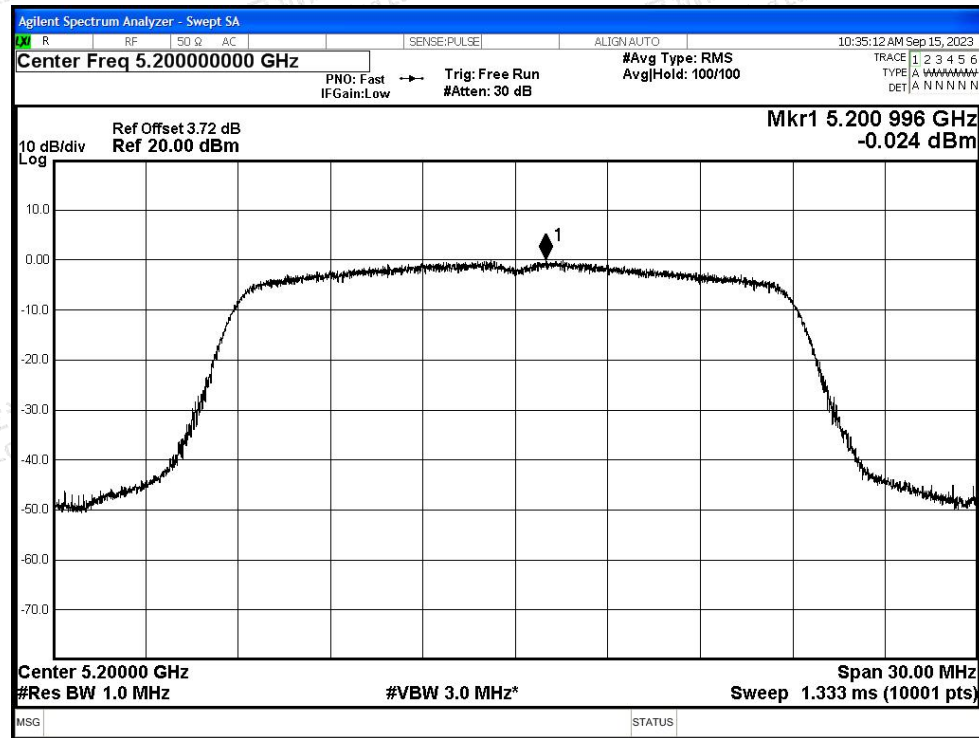
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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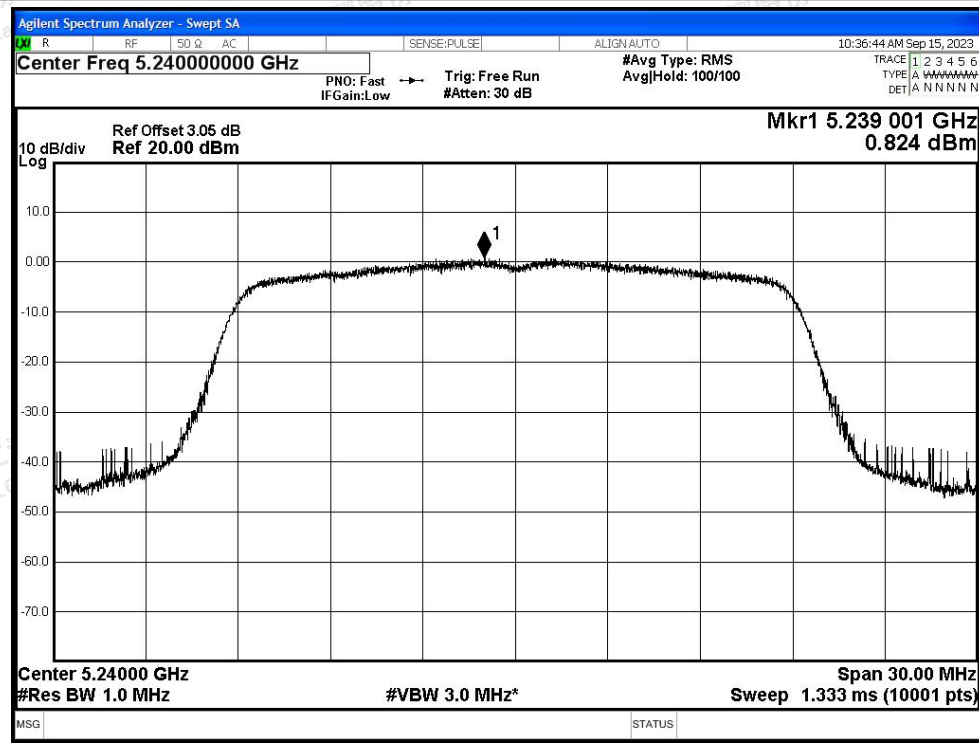
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PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

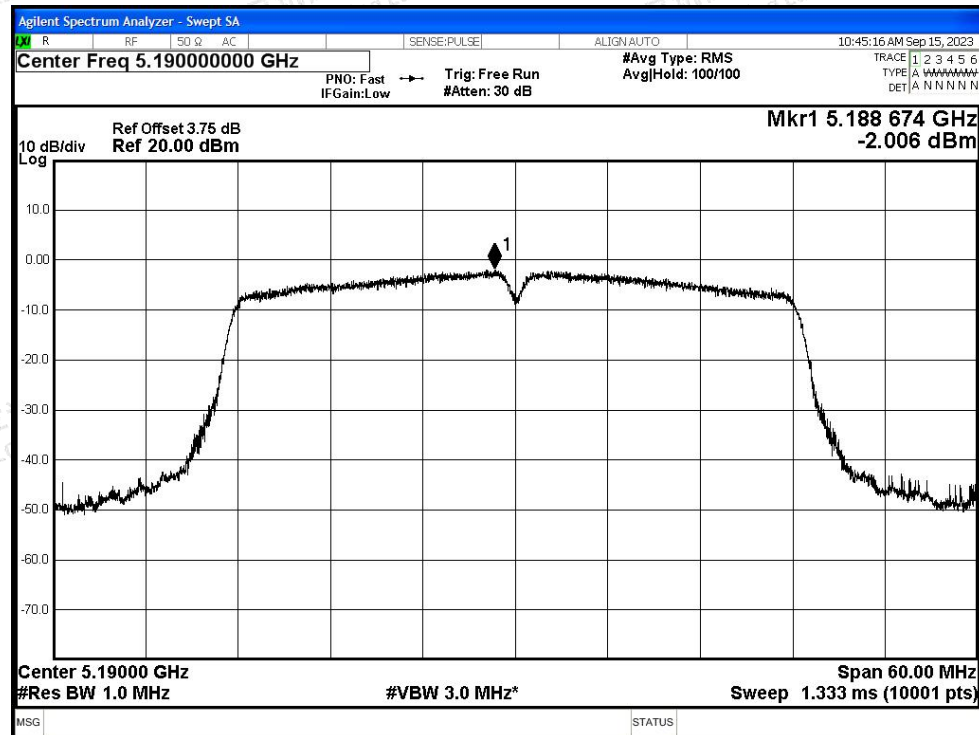
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

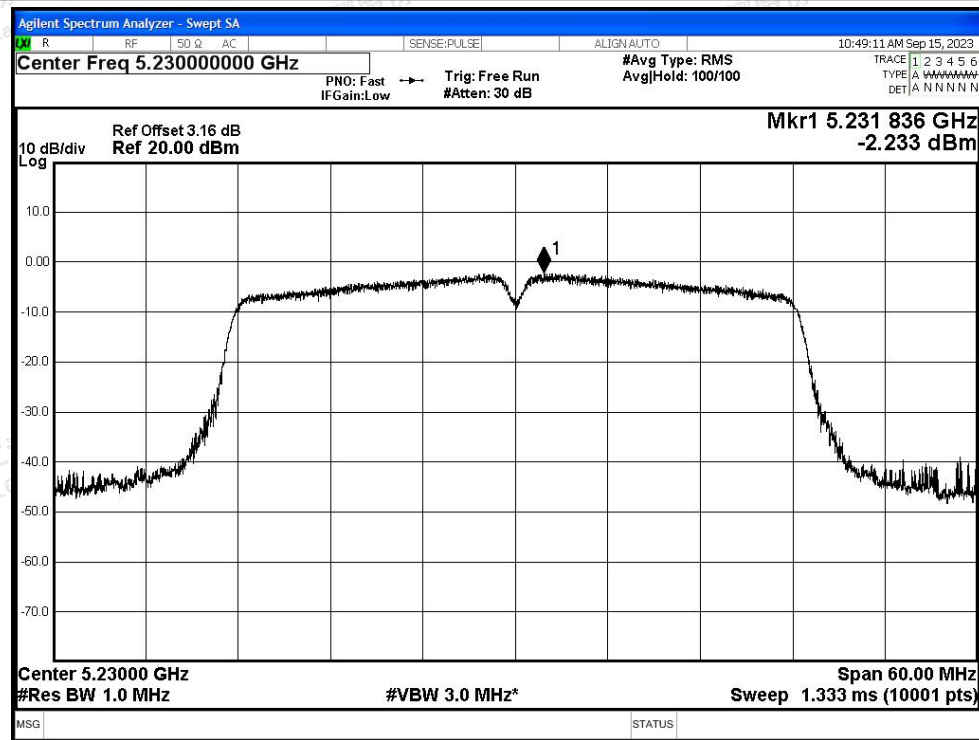
Scan code to check authenticity



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1



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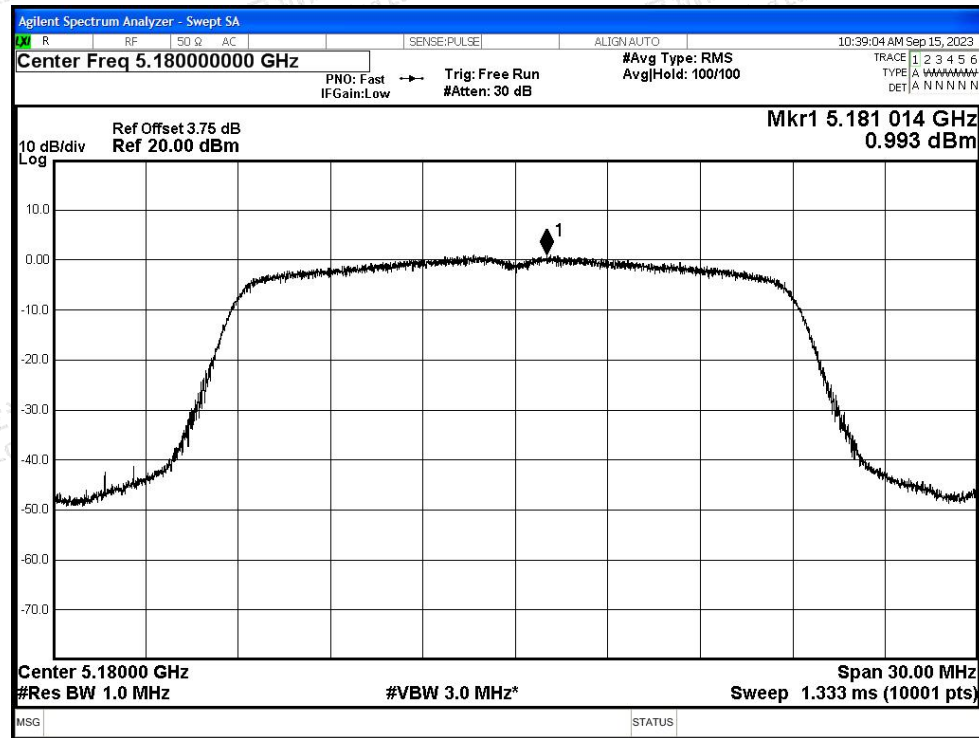
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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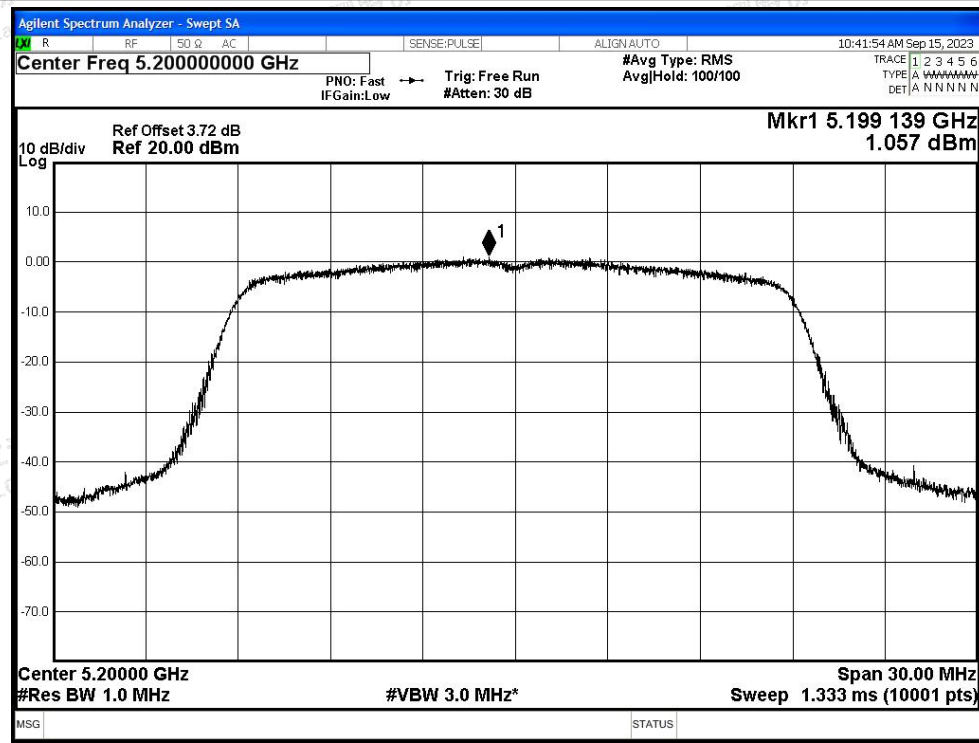
Scan code to check authenticity



PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5200MHz Ant1



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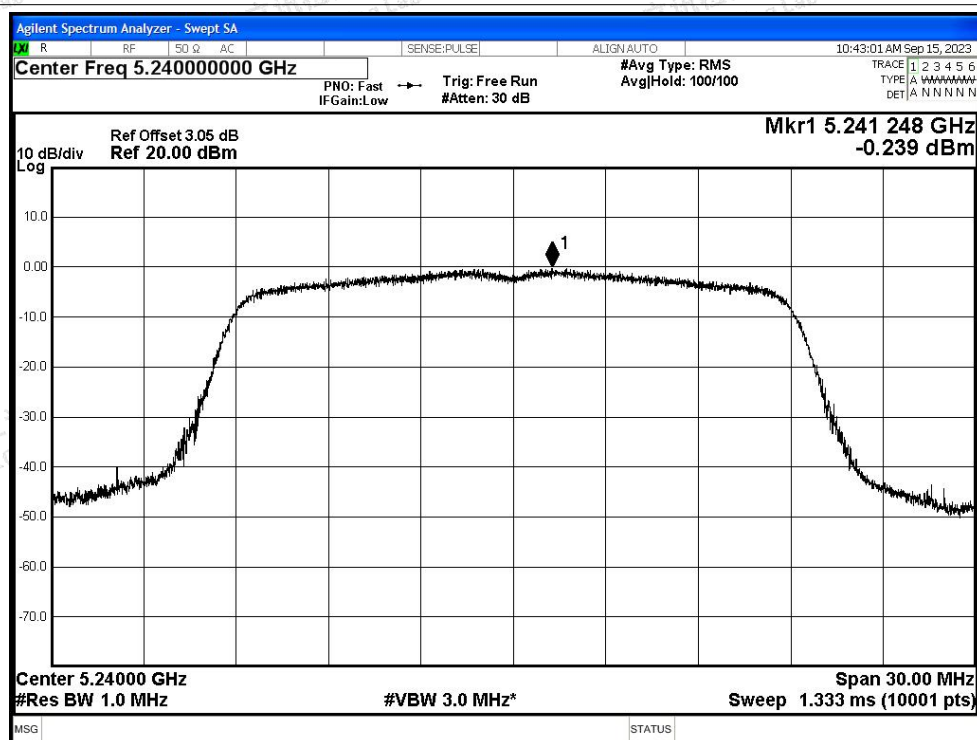
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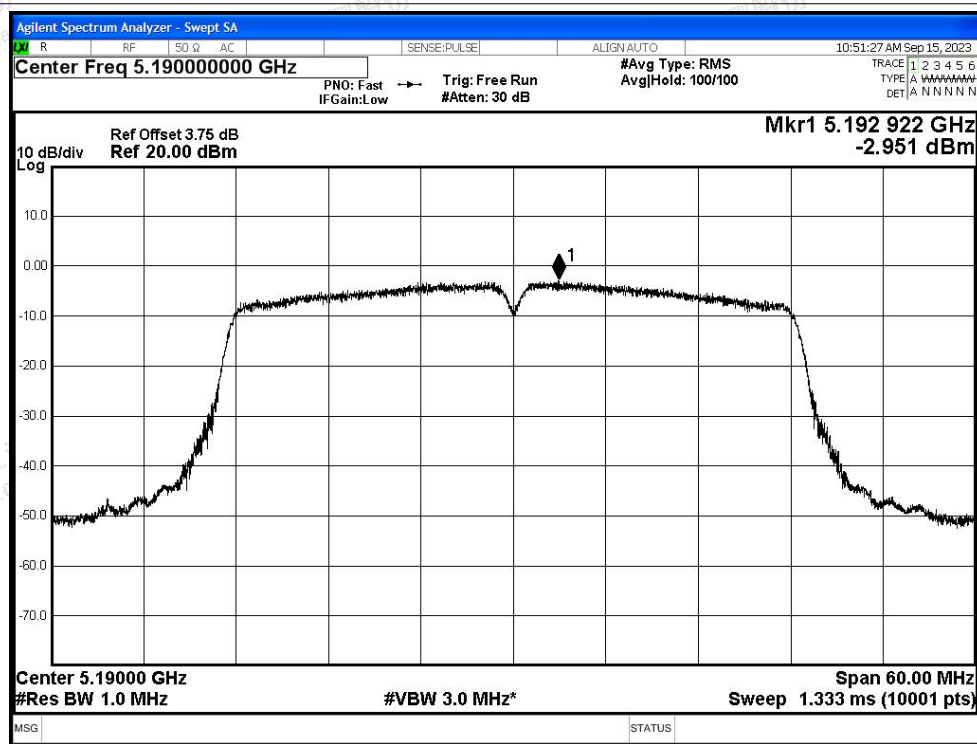
Scan code to check authenticity



PSD NVNT ac20 5240MHz Ant1

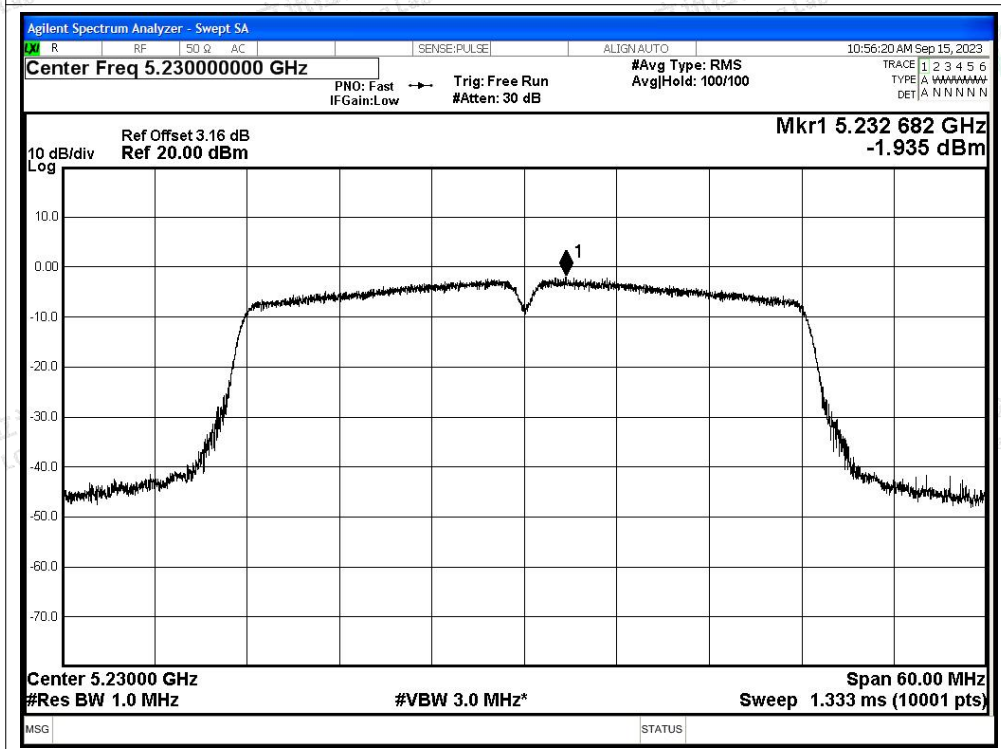


PSD NVNT ac40 5190MHz Ant1





PSD NVNT ac40 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	-50.64	3.6	48.22	Peak	68.2	Pass
NVNT	a	5180	Ant1	4500	-57.04	3.6	41.82	Average	54	Pass
NVNT	a	5180	Ant1	5148.9	-40.64	3.6	58.22	Peak	68.2	Pass
NVNT	a	5180	Ant1	5149.6	-49.39	3.6	49.47	Average	54	Pass
NVNT	a	5180	Ant1	5150	-38	3.6	60.86	Peak	68.2	Pass
NVNT	a	5180	Ant1	5150	-50.07	3.6	48.79	Average	54	Pass
NVNT	a	5240	Ant1	5350	-47.07	3.6	51.79	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350	-54.52	3.6	44.34	Average	54	Pass
NVNT	a	5240	Ant1	5353.68	-44.71	3.6	54.15	Peak	68.2	Pass
NVNT	a	5240	Ant1	5352.48	-54.37	3.6	44.49	Average	54	Pass
NVNT	a	5240	Ant1	5460	-49.79	3.6	49.07	Peak	68.2	Pass
NVNT	a	5240	Ant1	5460	-56.3	3.6	42.56	Average	54	Pass
NVNT	n20	5180	Ant1	4500	-49.35	3.6	49.51	Peak	68.2	Pass
NVNT	n20	5180	Ant1	4500	-57.09	3.6	41.77	Average	54	Pass
NVNT	n20	5180	Ant1	5135.6	-36.76	3.6	62.10	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5147.5	-49.85	3.6	49.01	Average	54	Pass
NVNT	n20	5180	Ant1	5150	-43.91	3.6	54.95	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5150	-50.31	3.6	48.55	Average	54	Pass
NVNT	n20	5240	Ant1	5350	-47.87	3.6	50.99	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350	-54.42	3.6	44.44	Average	54	Pass
NVNT	n20	5240	Ant1	5403.6	-45.13	3.6	53.73	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5352	-54.4	3.6	44.46	Average	54	Pass
NVNT	n20	5240	Ant1	5460	-50.16	3.6	48.70	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5460	-56.22	3.6	42.64	Average	54	Pass
NVNT	n40	5190	Ant1	4500	-49.26	3.6	49.60	Peak	68.2	Pass
NVNT	n40	5190	Ant1	4500	-56.77	3.6	42.09	Average	54	Pass
NVNT	n40	5190	Ant1	5140.94	-33.61	3.6	65.25	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5149.7	-47.31	3.6	51.55	Average	54	Pass
NVNT	n40	5190	Ant1	5150	-43.61	3.6	55.25	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5150	-47.31	3.6	51.55	Average	54	Pass
NVNT	n40	5230	Ant1	5350	-47.74	3.6	51.12	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350	-54.14	3.6	44.72	Average	54	Pass
NVNT	n40	5230	Ant1	5369.55	-44.84	3.6	54.02	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5356.32	-53.83	3.6	45.03	Average	54	Pass
NVNT	n40	5230	Ant1	5460	-48.93	3.6	49.93	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5460	-56.15	3.6	42.71	Average	54	Pass
NVNT	ac20	5180	Ant1	4500	-50	3.6	48.86	Peak	68.2	Pass



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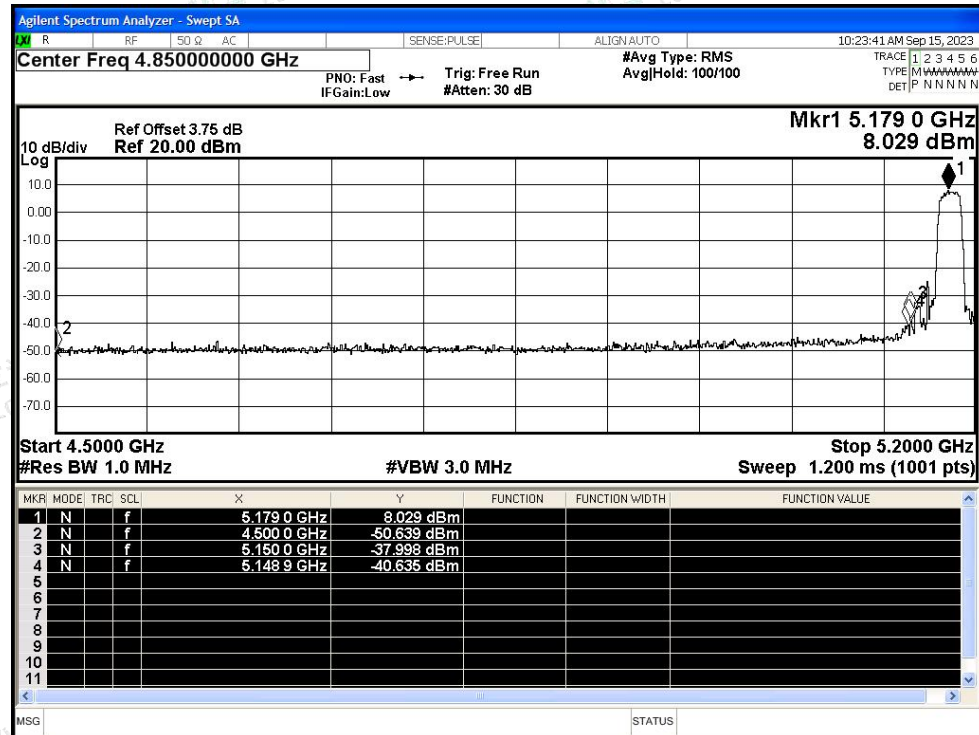
NVNT	ac20	5180	Ant1	4500	-57.19	3.6	41.67	Average	54	Pass
NVNT	ac20	5180	Ant1	5143.3	-43.5	3.6	55.36	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5146.8	-50.98	3.6	47.88	Average	54	Pass
NVNT	ac20	5180	Ant1	5150	-44.12	3.6	54.74	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5150	-49.75	3.6	49.11	Average	54	Pass
NVNT	ac20	5240	Ant1	5350	-47.15	3.6	51.71	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350	-55.09	3.6	43.77	Average	54	Pass
NVNT	ac20	5240	Ant1	5363.28	-45.36	3.6	53.50	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350.8	-54.8	3.6	44.06	Average	54	Pass
NVNT	ac20	5240	Ant1	5460	-48.06	3.6	50.80	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5460	-56.38	3.6	42.48	Average	54	Pass
NVNT	ac40	5190	Ant1	4500	-50.57	3.6	48.29	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	4500	-56.84	3.6	42.02	Average	54	Pass
NVNT	ac40	5190	Ant1	5138.02	-44.01	3.6	54.85	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5147.51	-51.4	3.6	47.46	Average	54	Pass
NVNT	ac40	5190	Ant1	5150	-44.21	3.6	54.65	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5150	-51.45	3.6	47.41	Average	54	Pass
NVNT	ac40	5230	Ant1	5350	-47.24	3.6	51.62	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350	-54.26	3.6	44.60	Average	54	Pass
NVNT	ac40	5230	Ant1	5391.42	-45.43	3.6	53.43	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5363.61	-54.08	3.6	44.78	Average	54	Pass
NVNT	ac40	5230	Ant1	5460	-49.05	3.6	49.81	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5460	-56.11	3.6	42.75	Average	54	Pass



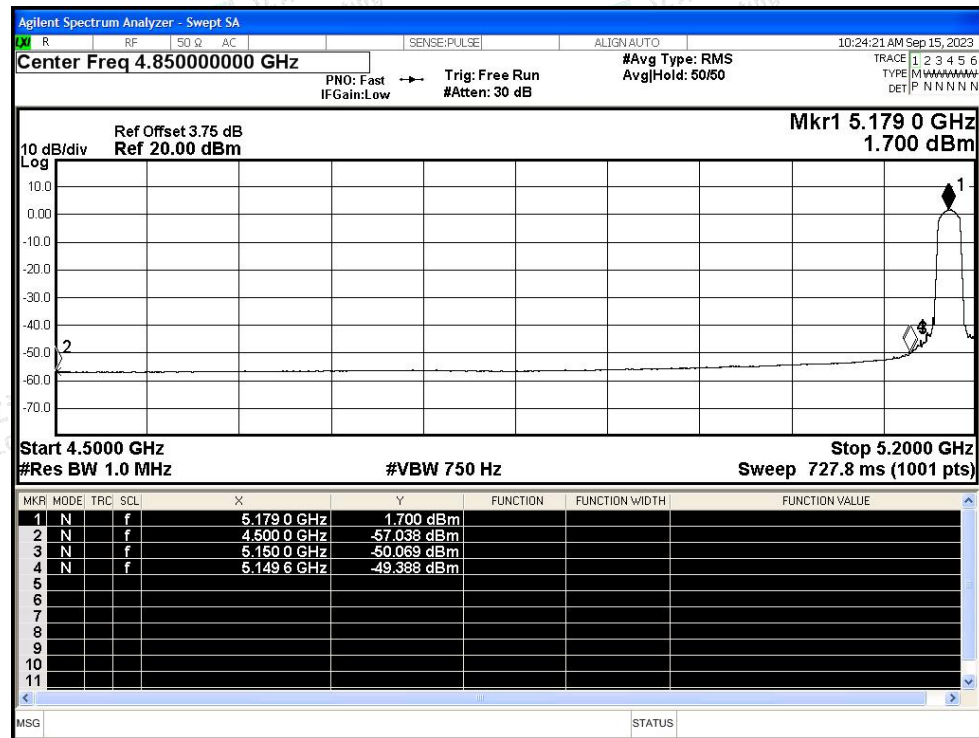


Test Graphs

Restrict Band NVNT a 5180MHz Ant1 Peak



Restrict Band NVNT a 5180MHz Ant1 Average



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