



Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: Formuler Z12 Ultra

Test Model: Z12 Ultra

Environmental Conditions

Temperature:	23.5°C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Can Kun
Supervised by:	Nick Peng





D.1 -26dB Bandwidth

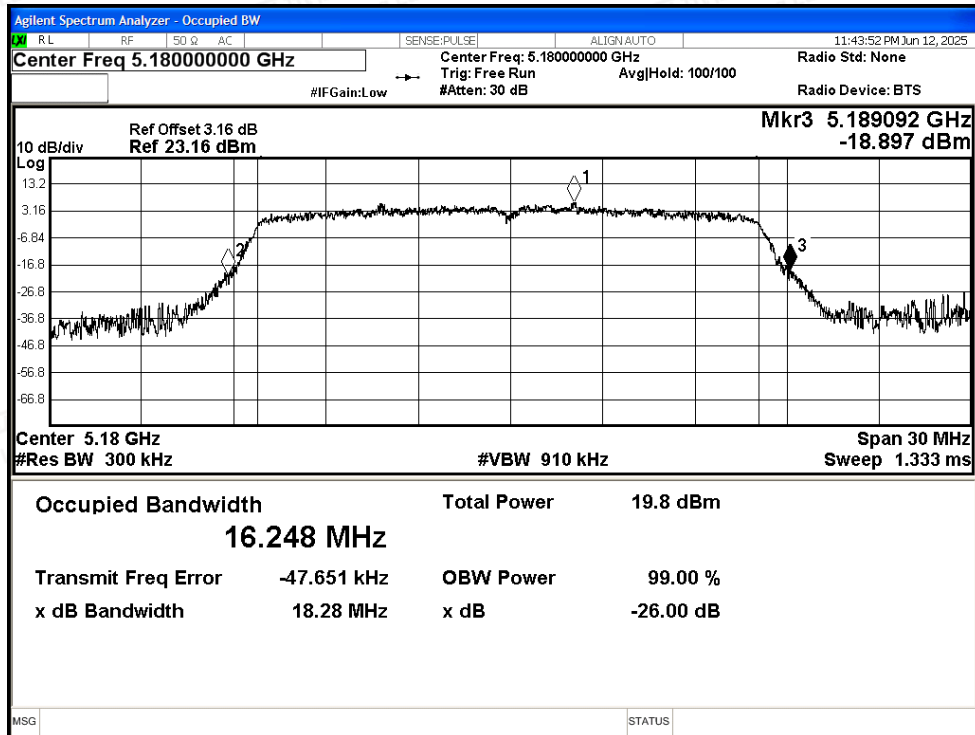
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	18.279	---	Pass
NVNT	a	5200	Ant1	18.153	---	Pass
NVNT	a	5240	Ant1	18.366	---	Pass
NVNT	n20	5180	Ant1	19.321	---	Pass
NVNT	n20	5200	Ant1	19.227	---	Pass
NVNT	n20	5240	Ant1	19.331	---	Pass
NVNT	n40	5190	Ant1	38.837	---	Pass
NVNT	n40	5230	Ant1	42.567	---	Pass
NVNT	ac20	5180	Ant1	19.211	---	Pass
NVNT	ac20	5200	Ant1	19.211	---	Pass
NVNT	ac20	5240	Ant1	19.237	---	Pass
NVNT	ac40	5190	Ant1	38.642	---	Pass
NVNT	ac40	5230	Ant1	38.54	---	Pass
NVNT	ac80	5210	Ant1	85.557	---	Pass
NVNT	ax20	5180	Ant1	20.173	---	Pass
NVNT	ax20	5200	Ant1	20.102	---	Pass
NVNT	ax20	5240	Ant1	20.046	---	Pass
NVNT	ax40	5190	Ant1	39.59	---	Pass
NVNT	ax40	5230	Ant1	39.695	---	Pass
NVNT	ax80	5210	Ant1	86.017	---	Pass



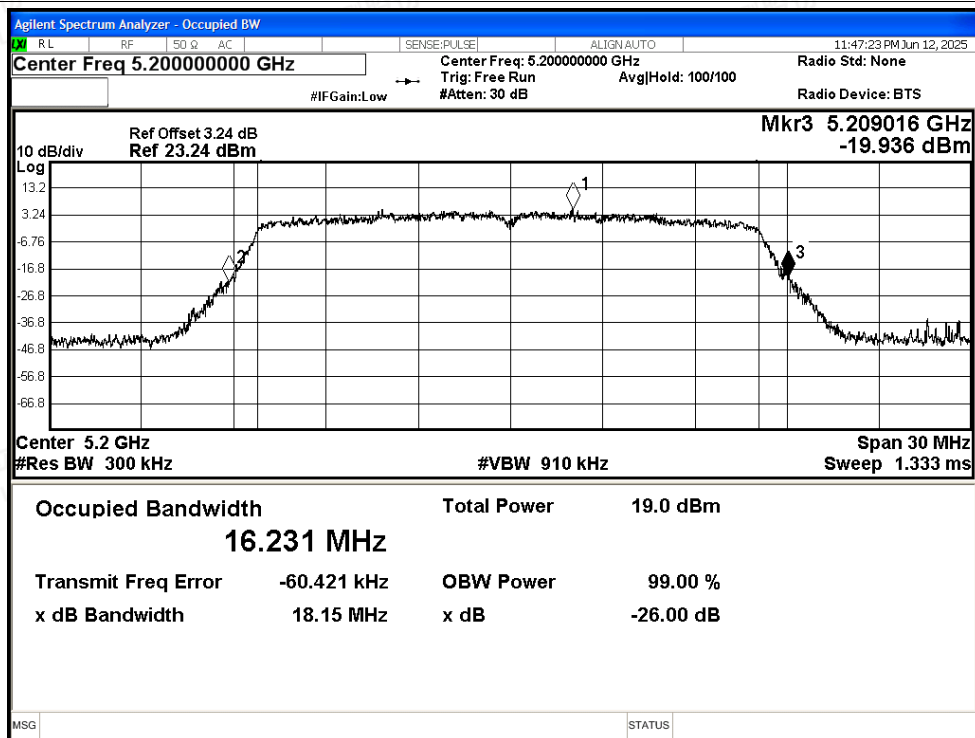


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1



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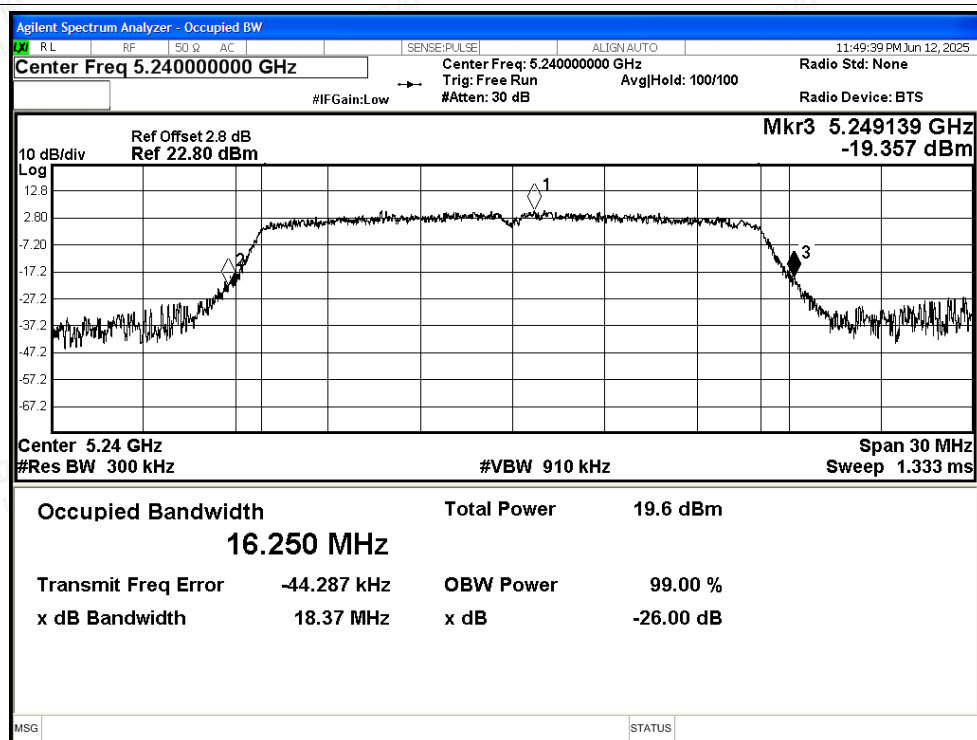
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

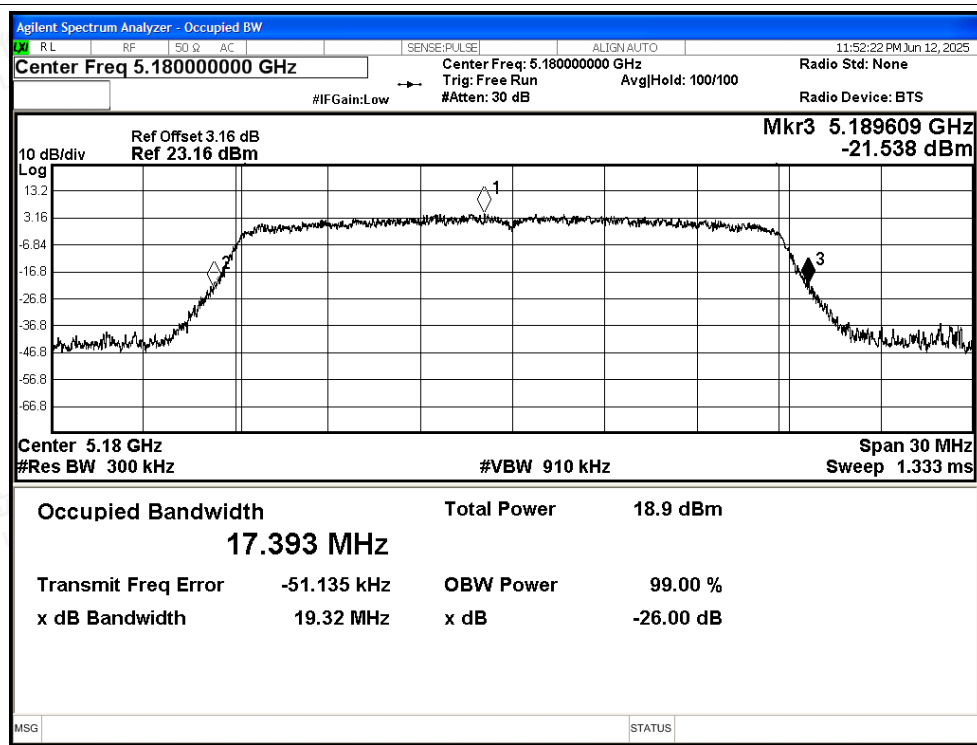
Scan code to check authenticity



-26dB Bandwidth NVNT a 5240MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

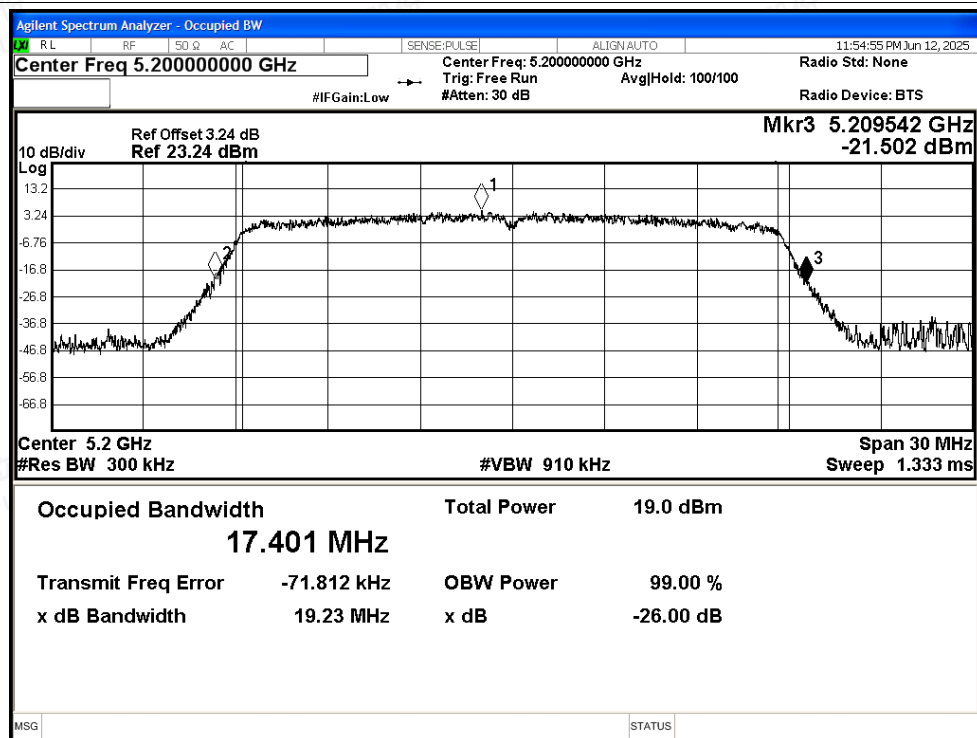
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

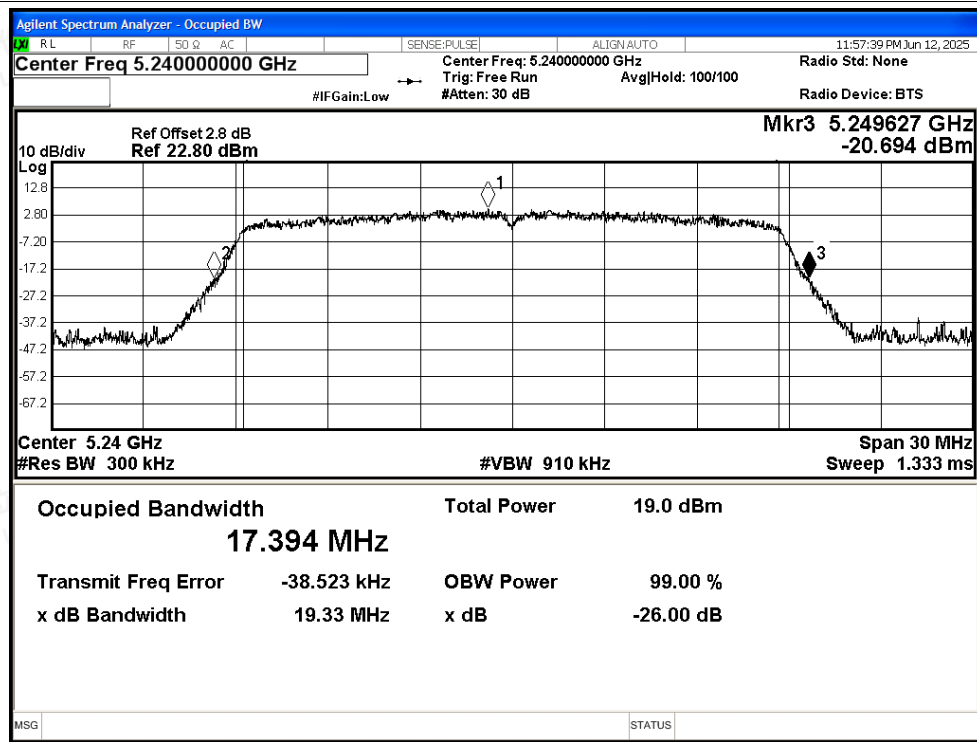
Scan code to check authenticity



-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

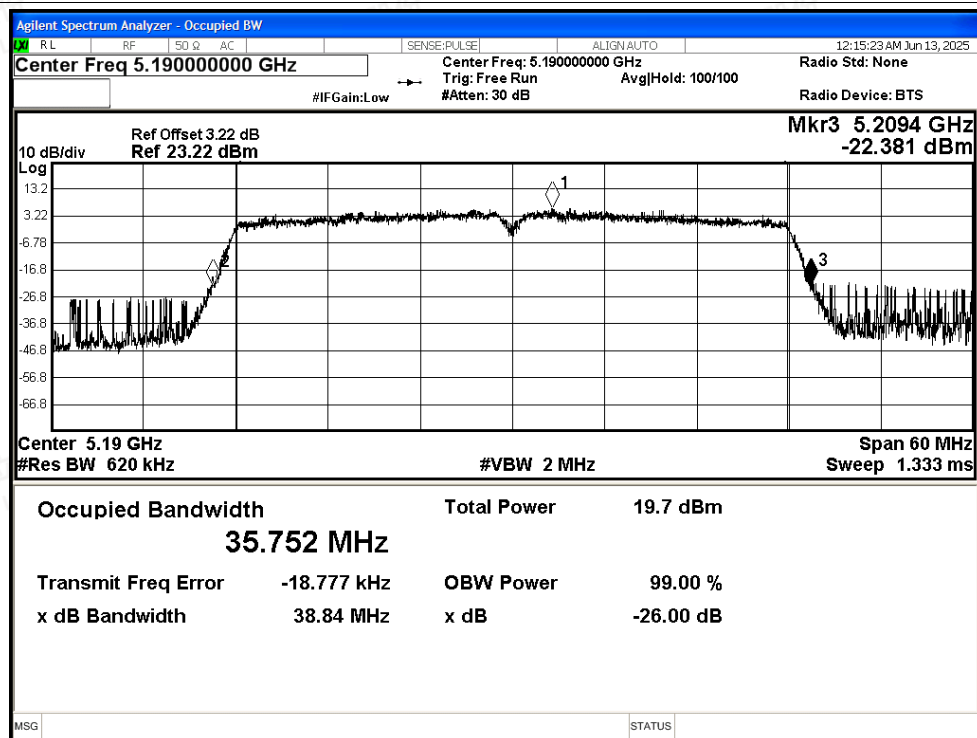
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

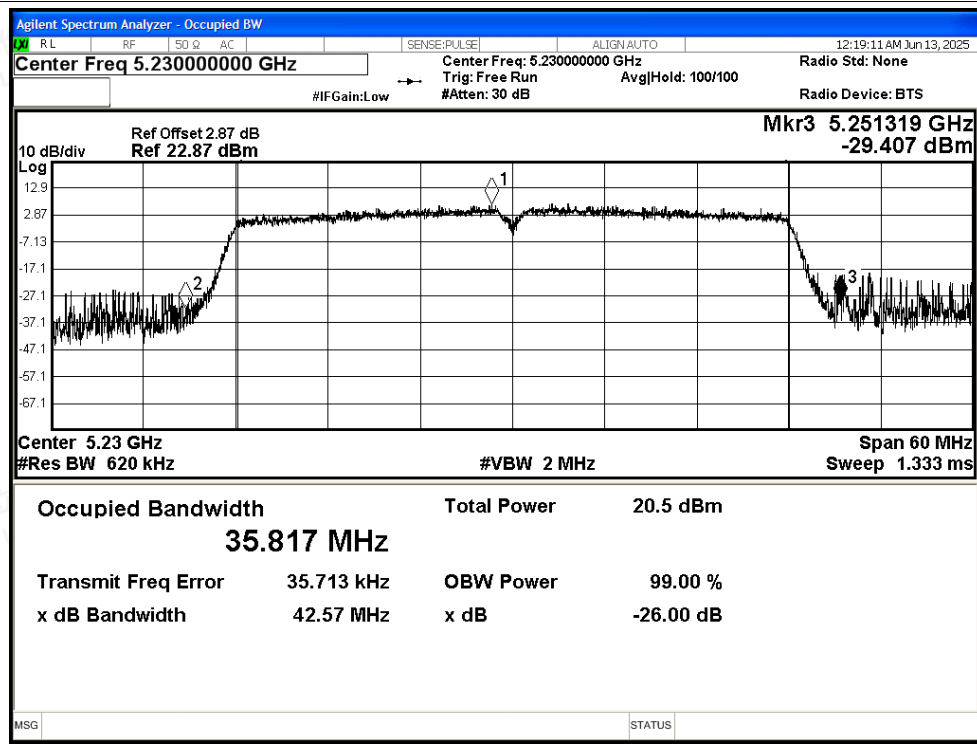
Scan code to check authenticity



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

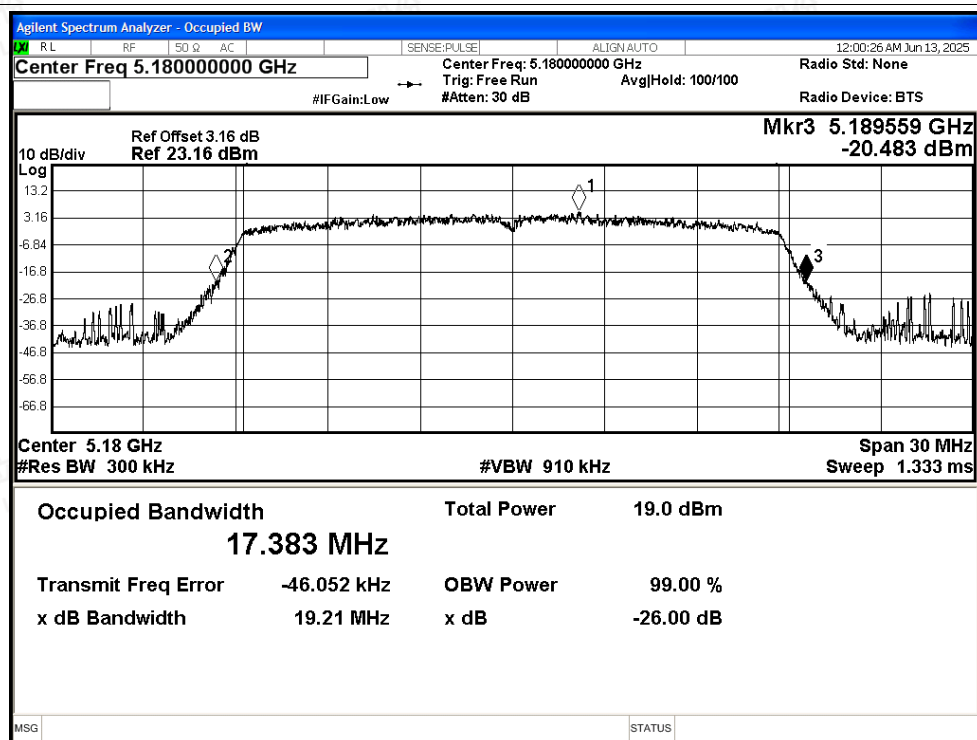
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

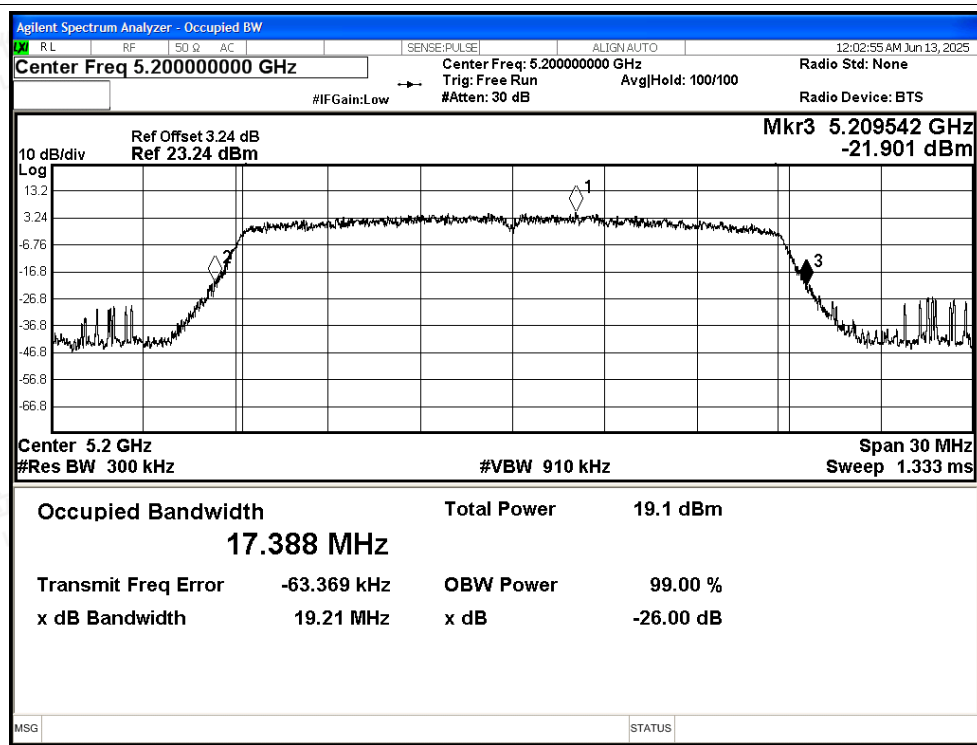
Scan code to check authenticity



-26dB Bandwidth NVNT ac20 5180MHz Ant1



-26dB Bandwidth NVNT ac20 5200MHz Ant1



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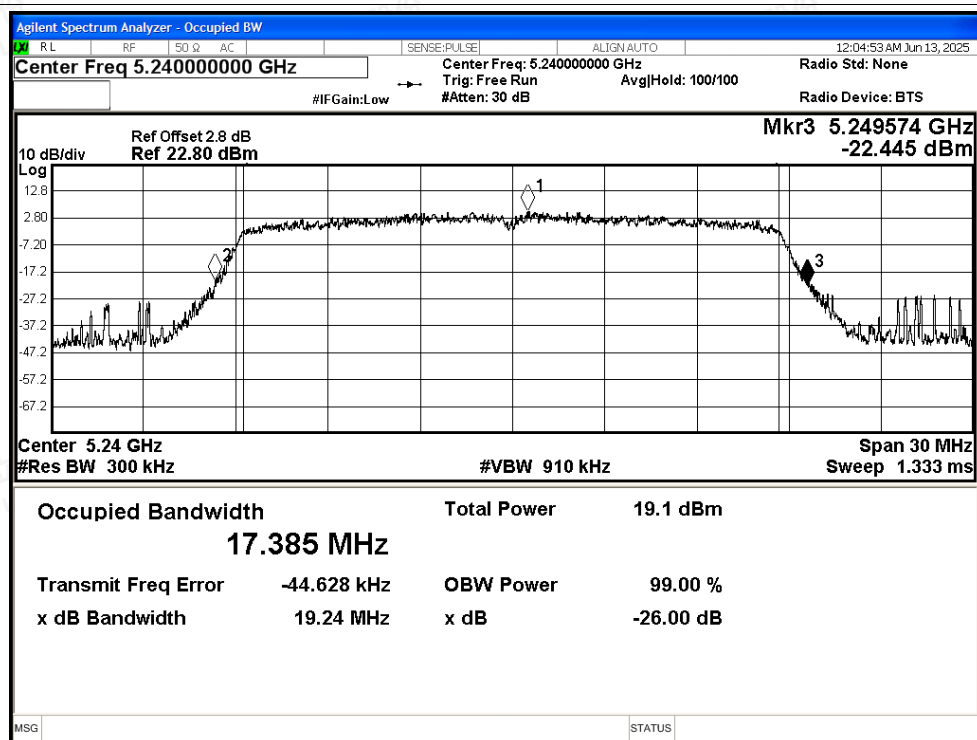
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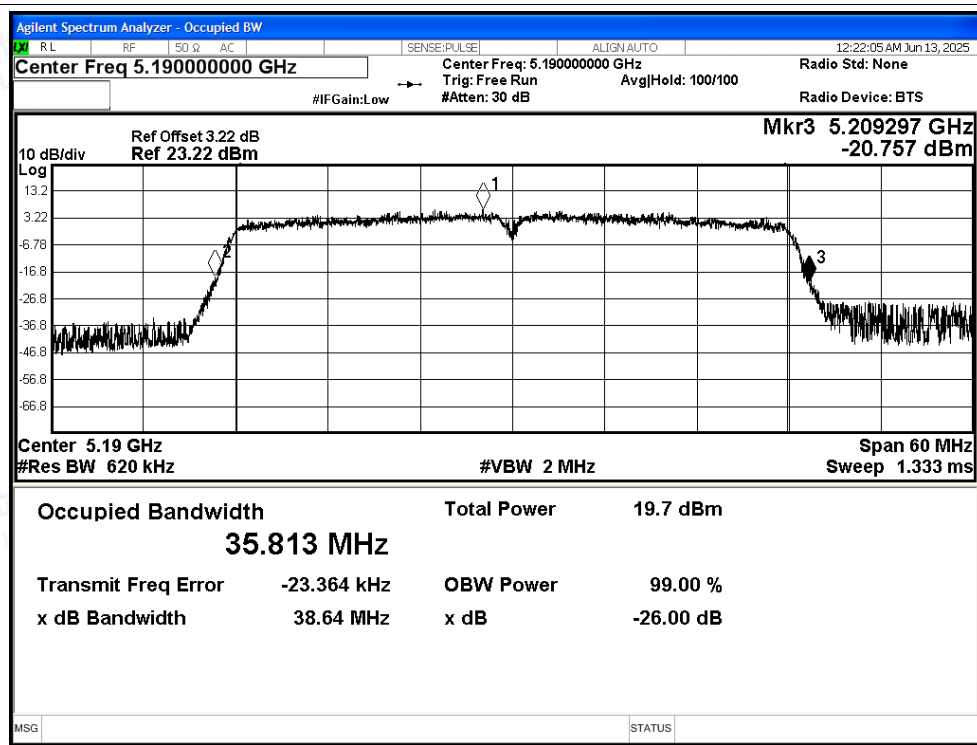
Scan code to check authenticity



-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ac40 5190MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

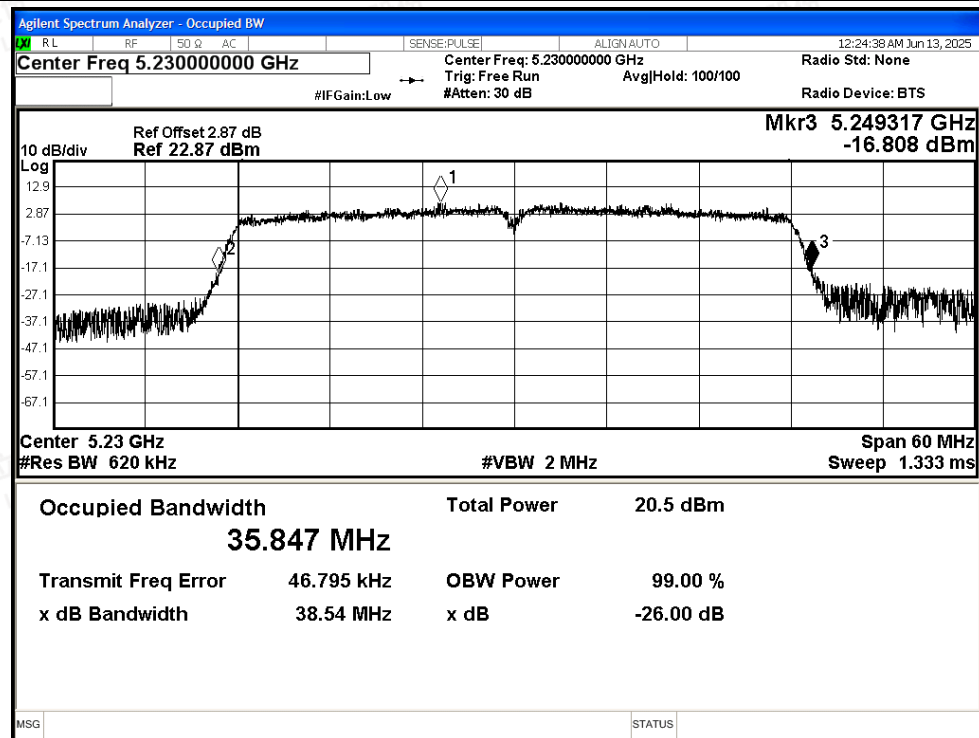
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

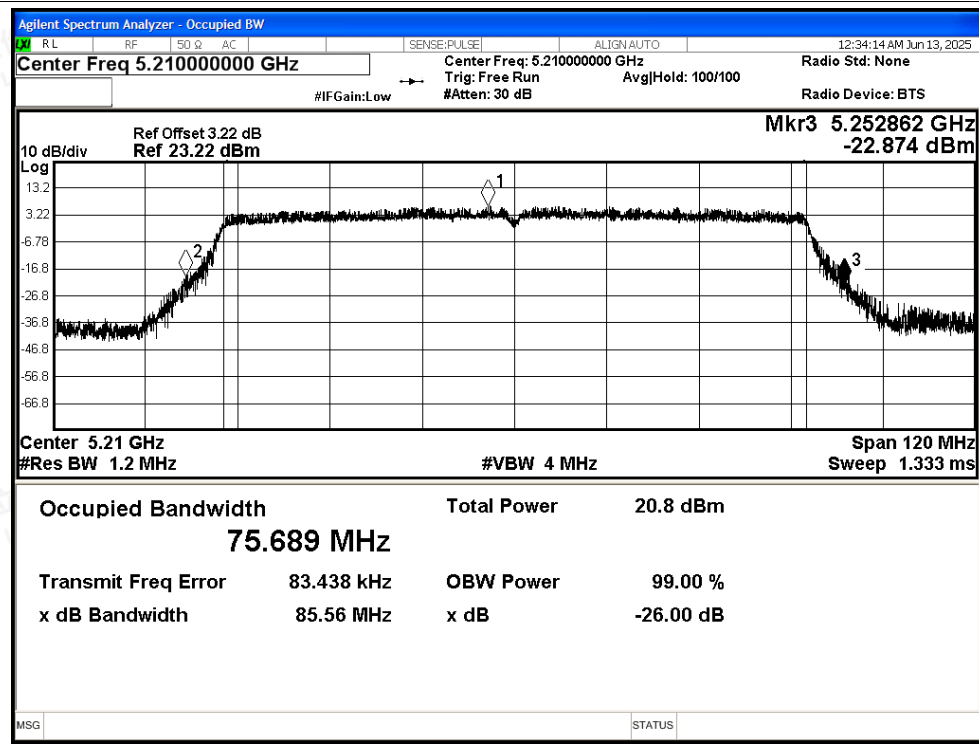
Scan code to check authenticity



-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1



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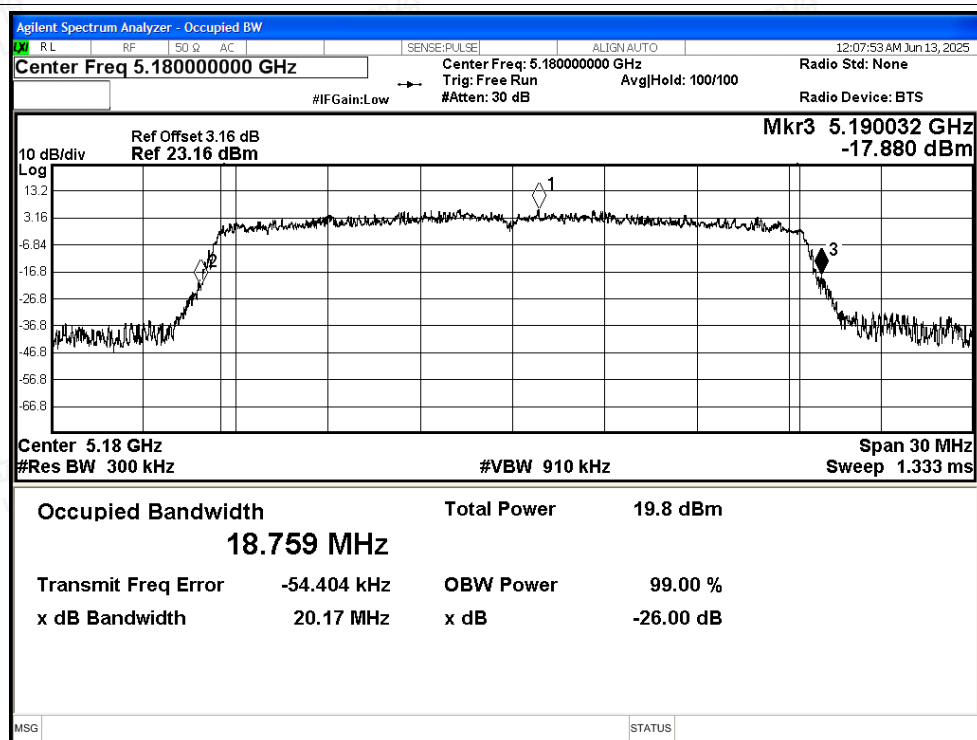
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

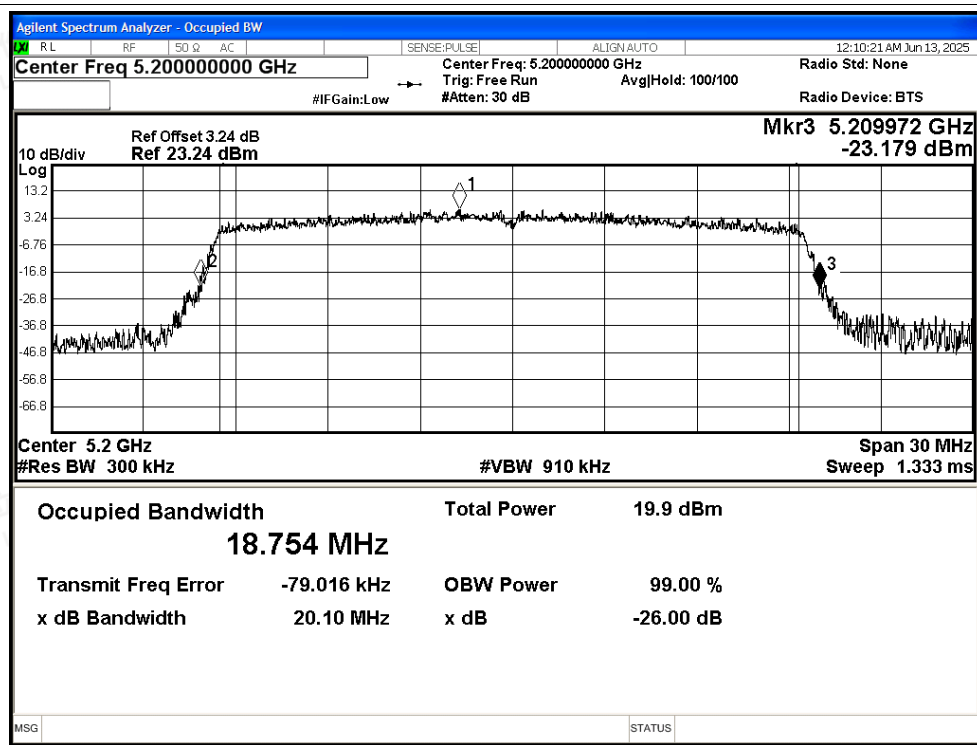
Scan code to check authenticity



-26dB Bandwidth NVNT ax20 5180MHz Ant1



-26dB Bandwidth NVNT ax20 5200MHz Ant1



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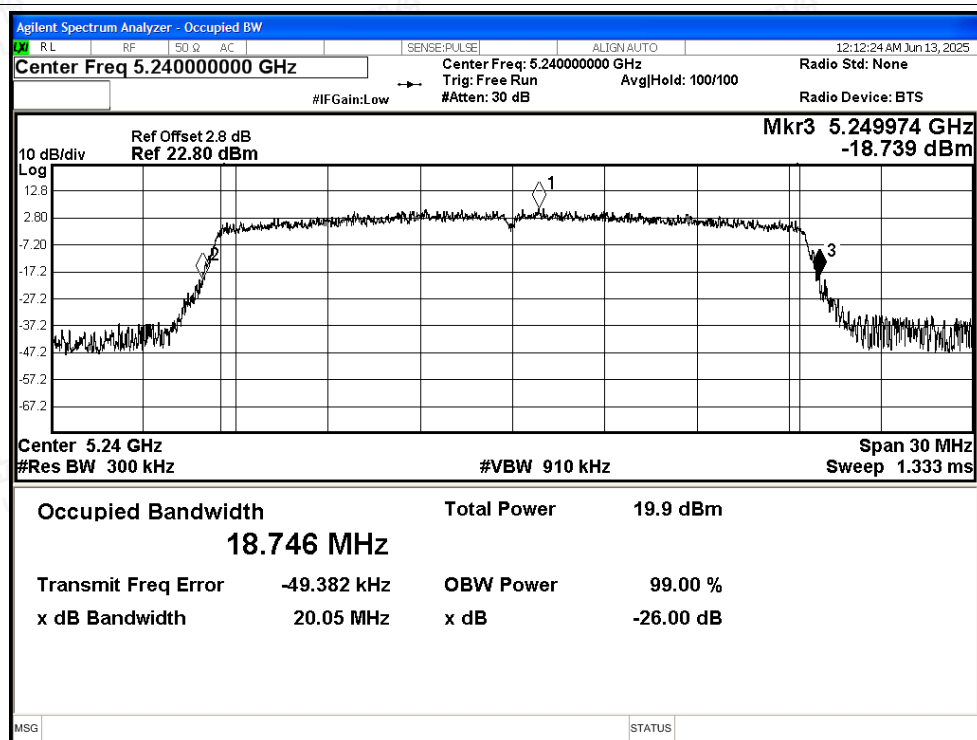
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

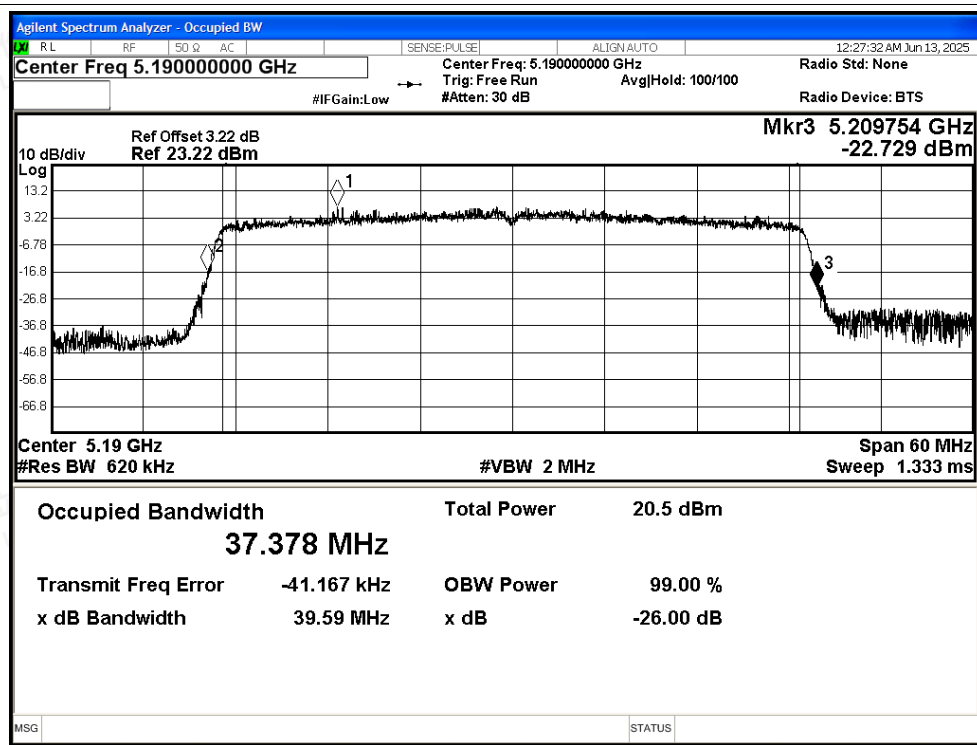
Scan code to check authenticity



-26dB Bandwidth NVNT ax20 5240MHz Ant1



-26dB Bandwidth NVNT ax40 5190MHz Ant1



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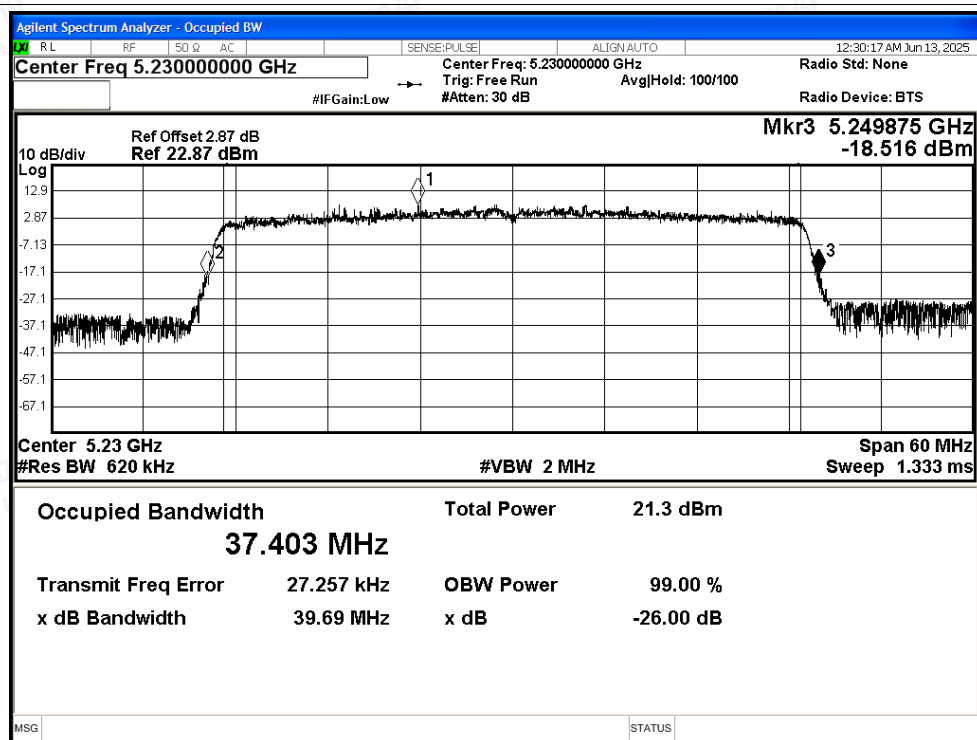
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

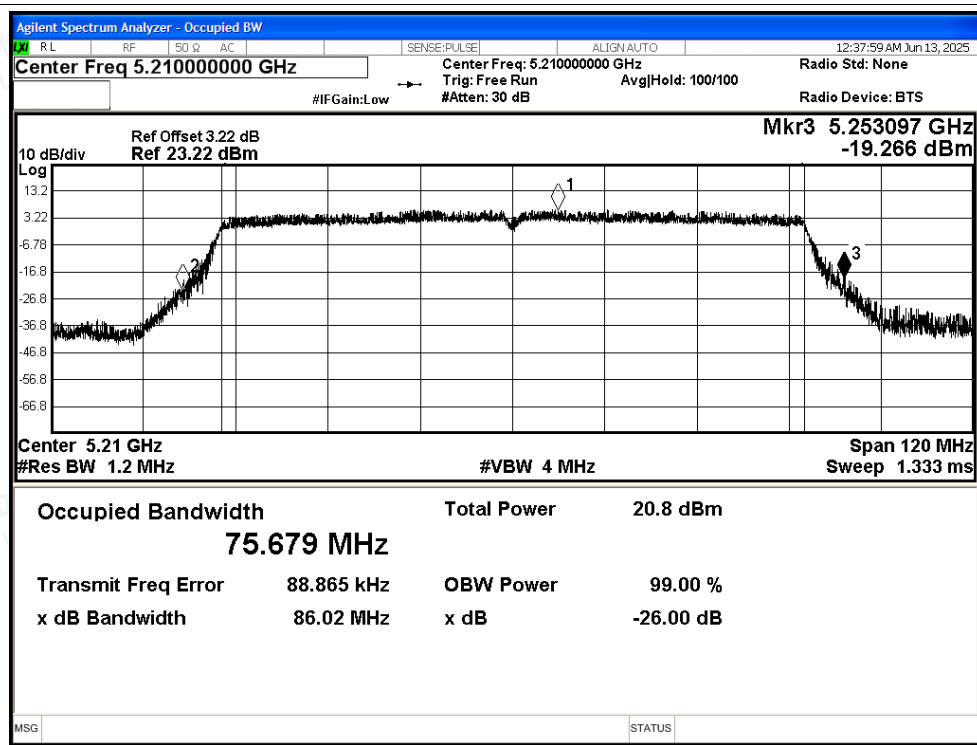
Scan code to check authenticity



-26dB Bandwidth NVNT ax40 5230MHz Ant1



-26dB Bandwidth NVNT ax80 5210MHz Ant1



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Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant2	18.351	---	Pass
NVNT	a	5200	Ant2	18.476	---	Pass
NVNT	a	5240	Ant2	18.197	---	Pass
NVNT	n20	5180	Ant2	19.211	---	Pass
NVNT	n20	5200	Ant2	19.324	---	Pass
NVNT	n20	5240	Ant2	19.289	---	Pass
NVNT	n40	5190	Ant2	38.645	---	Pass
NVNT	n40	5230	Ant2	38.663	---	Pass
NVNT	ac20	5180	Ant2	19.31	---	Pass
NVNT	ac20	5200	Ant2	19.336	---	Pass
NVNT	ac20	5240	Ant2	19.298	---	Pass
NVNT	ac40	5190	Ant2	38.656	---	Pass
NVNT	ac40	5230	Ant2	38.831	---	Pass
NVNT	ac80	5210	Ant2	85.44	---	Pass
NVNT	ax20	5180	Ant2	20.33	---	Pass
NVNT	ax20	5200	Ant2	20.184	---	Pass
NVNT	ax20	5240	Ant2	20.353	---	Pass
NVNT	ax40	5190	Ant2	39.543	---	Pass
NVNT	ax40	5230	Ant2	39.88	---	Pass
NVNT	ax80	5210	Ant2	81.287	---	Pass



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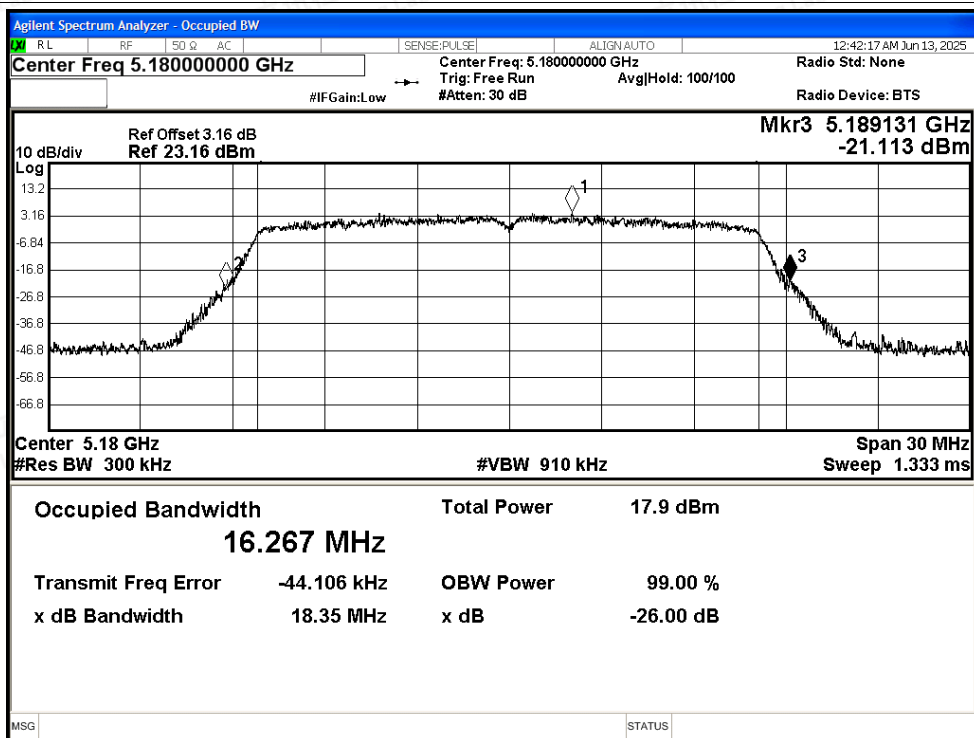
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

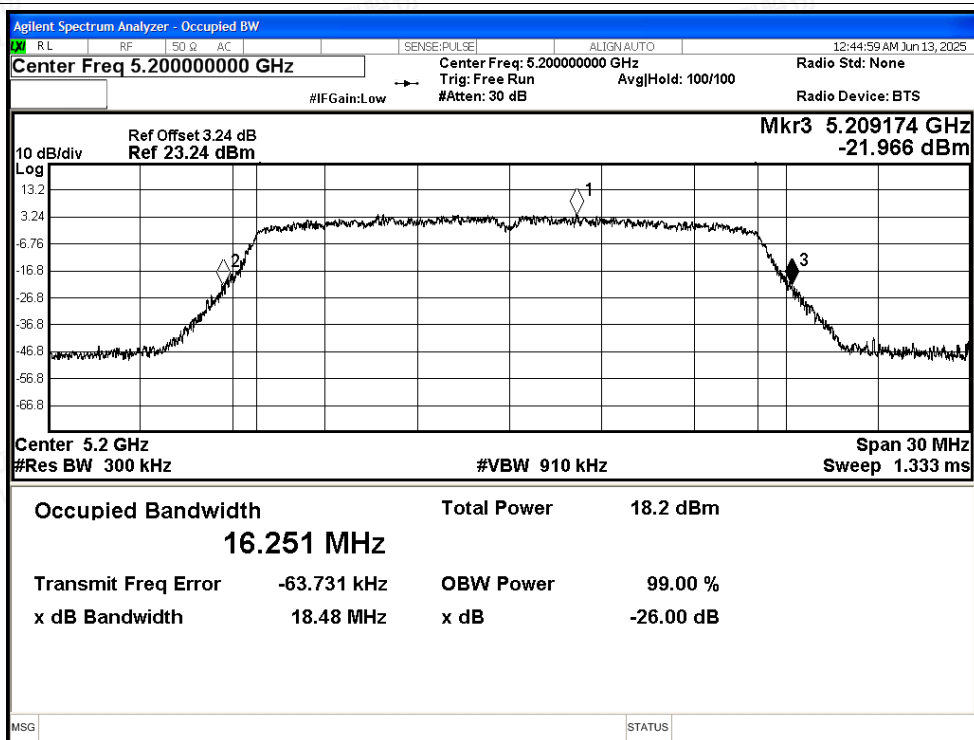


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant2



-26dB Bandwidth NVNT a 5200MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

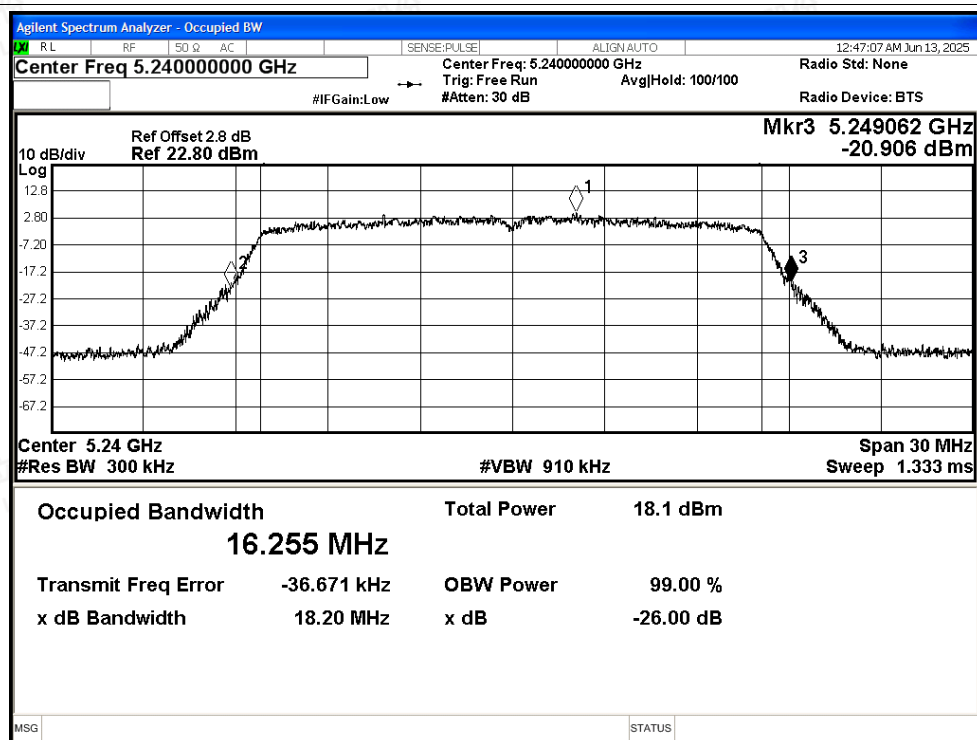
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

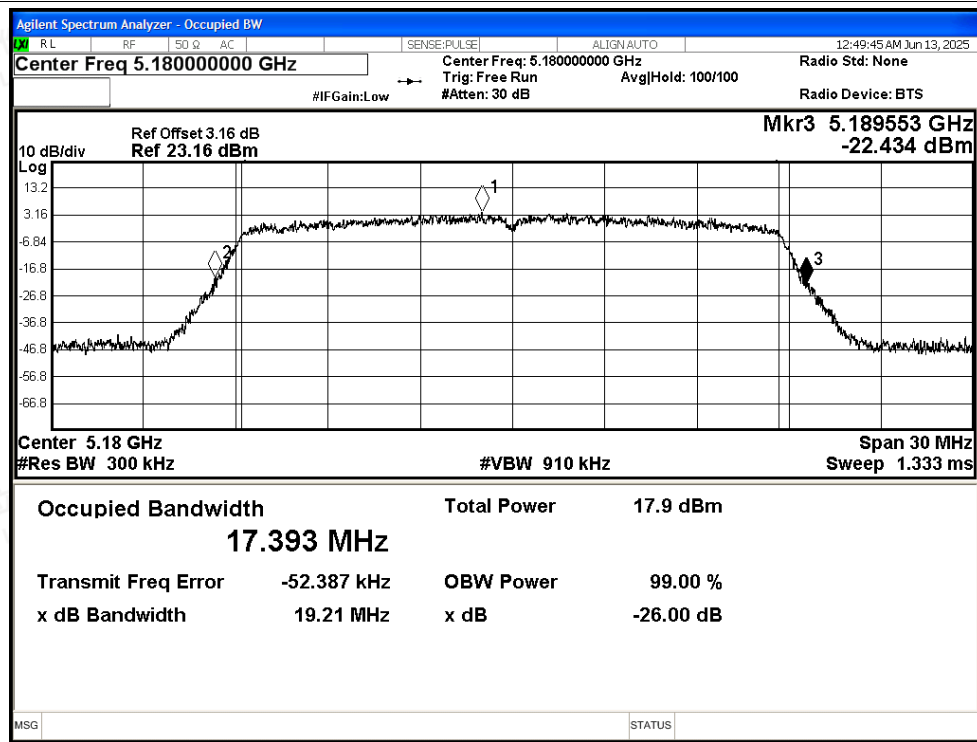
Scan code to check authenticity



-26dB Bandwidth NVNT a 5240MHz Ant2



-26dB Bandwidth NVNT n20 5180MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

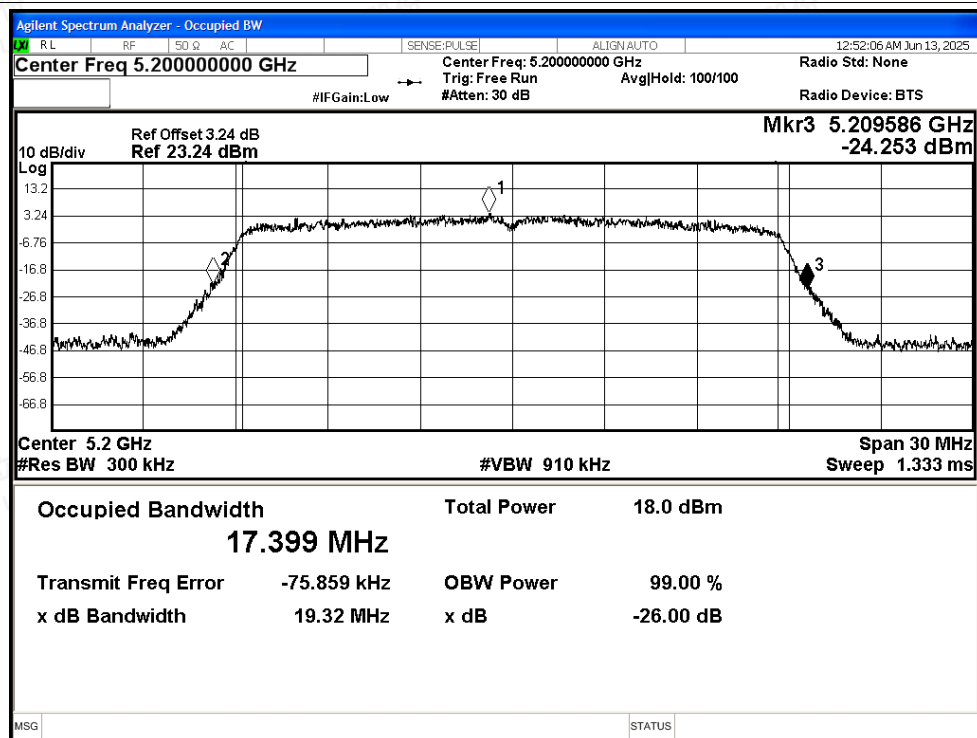
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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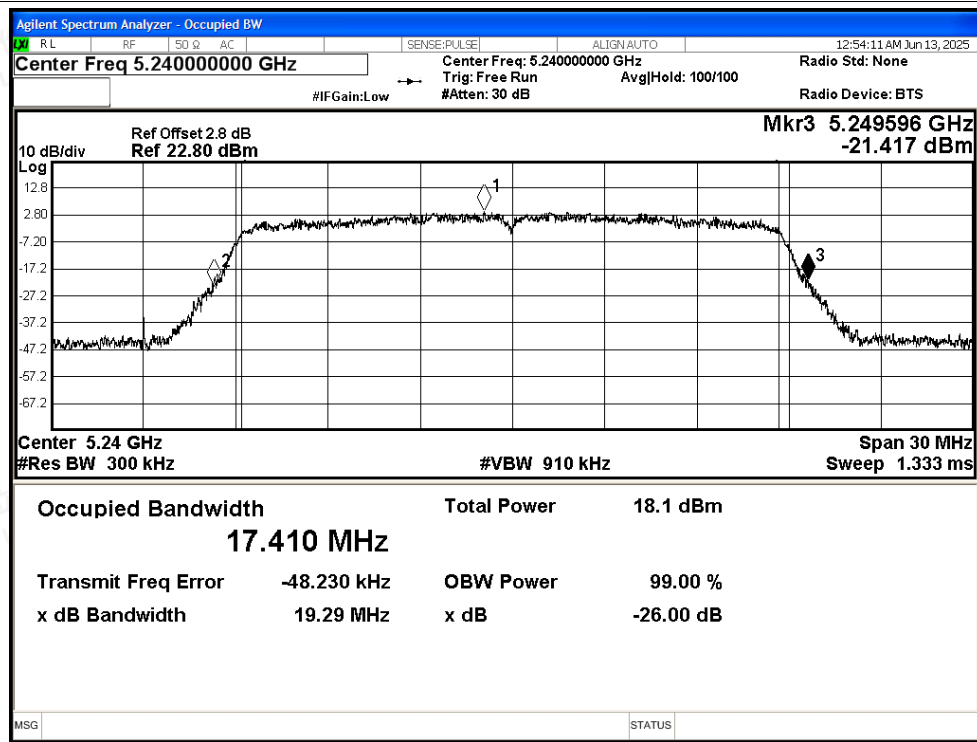
Scan code to check authenticity



-26dB Bandwidth NVNT n20 5200MHz Ant2



-26dB Bandwidth NVNT n20 5240MHz Ant2



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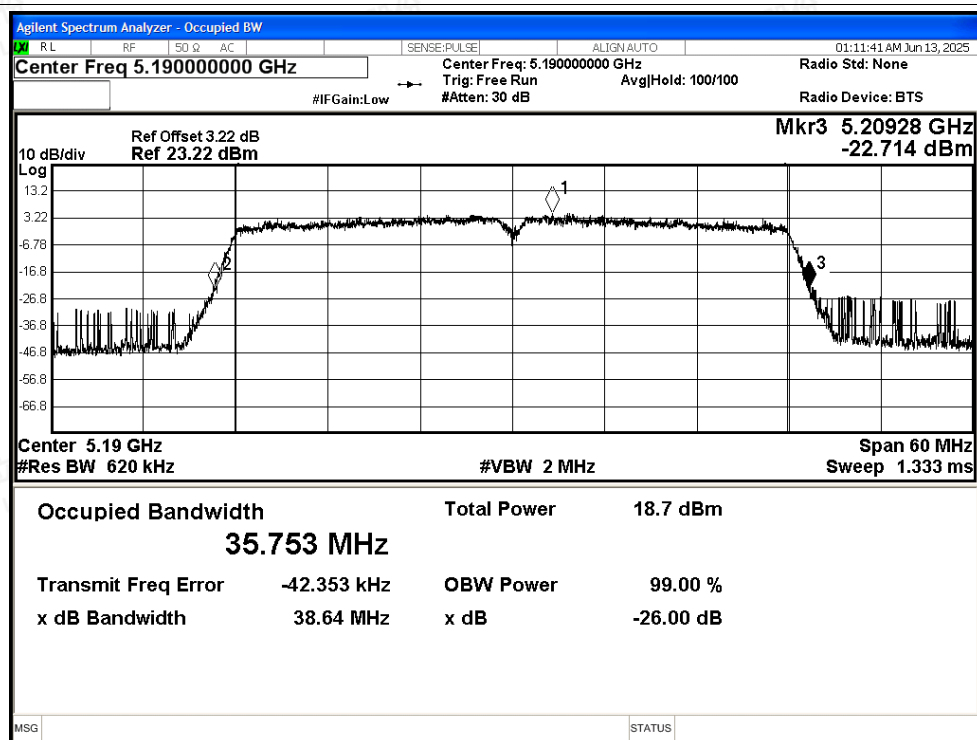
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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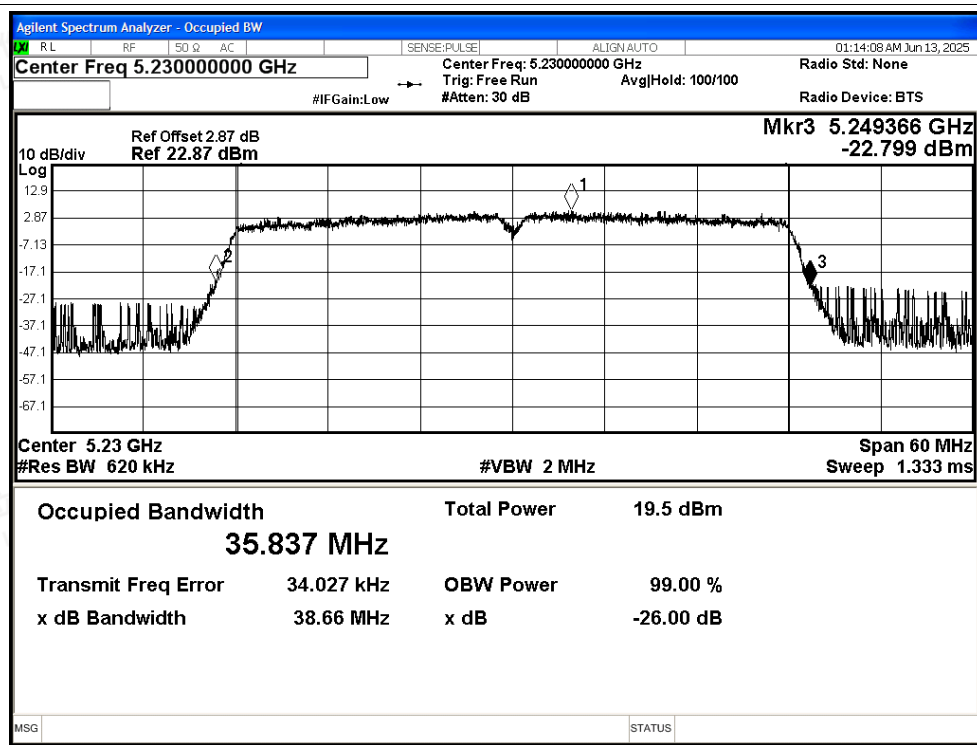
Scan code to check authenticity



-26dB Bandwidth NVNT n40 5190MHz Ant2



-26dB Bandwidth NVNT n40 5230MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

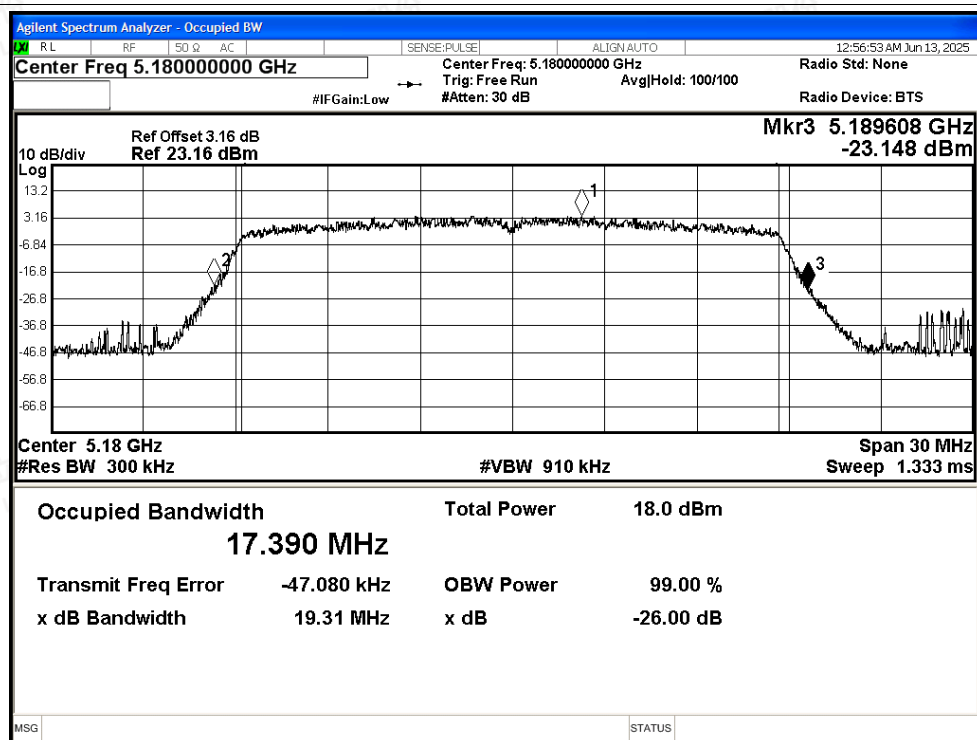
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

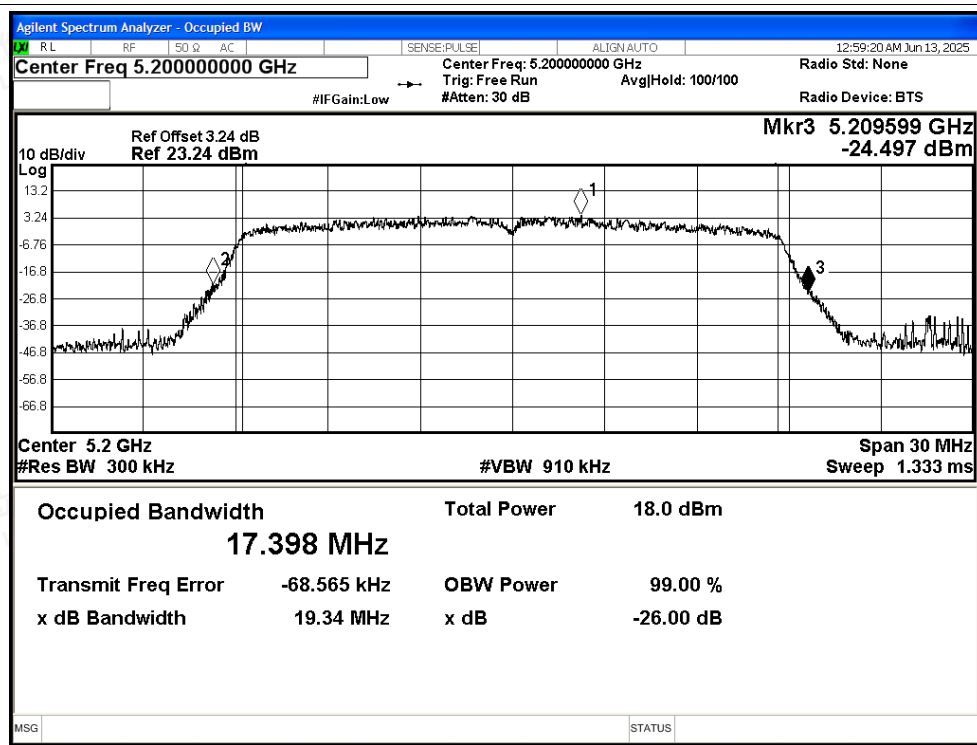
Scan code to check authenticity



-26dB Bandwidth NVNT ac20 5180MHz Ant2



-26dB Bandwidth NVNT ac20 5200MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

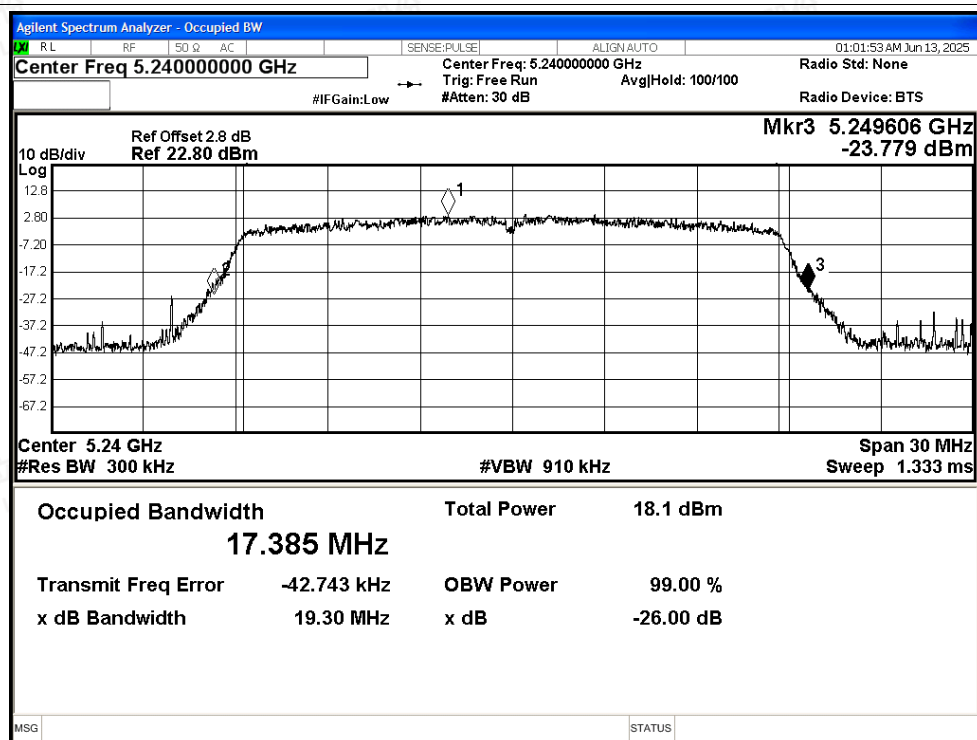
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

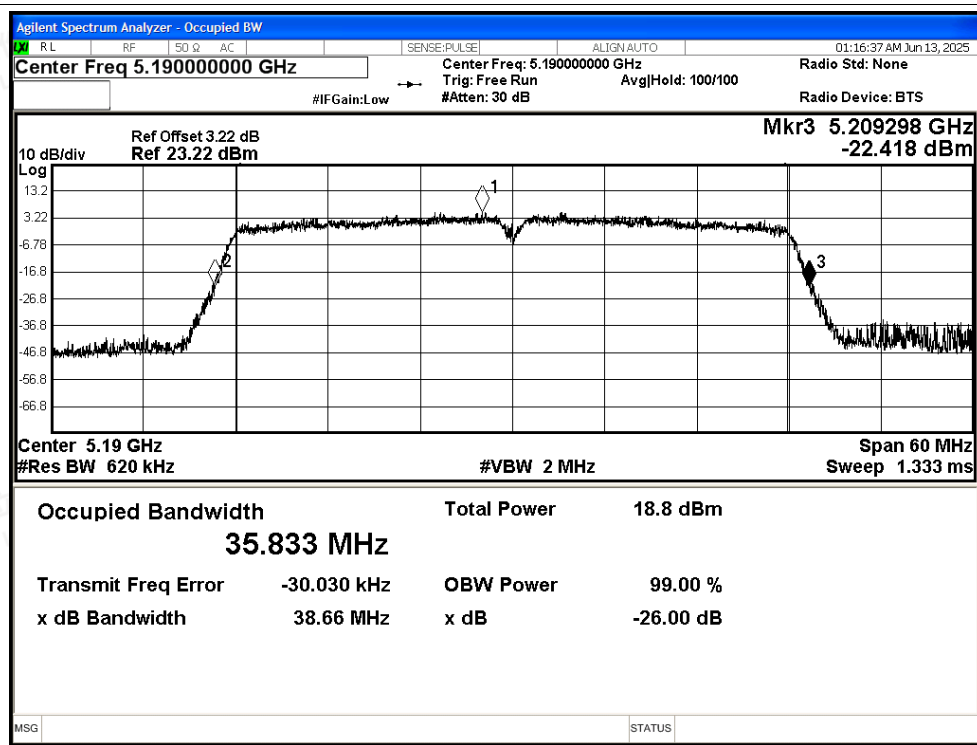
Scan code to check authenticity



-26dB Bandwidth NVNT ac20 5240MHz Ant2



-26dB Bandwidth NVNT ac40 5190MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

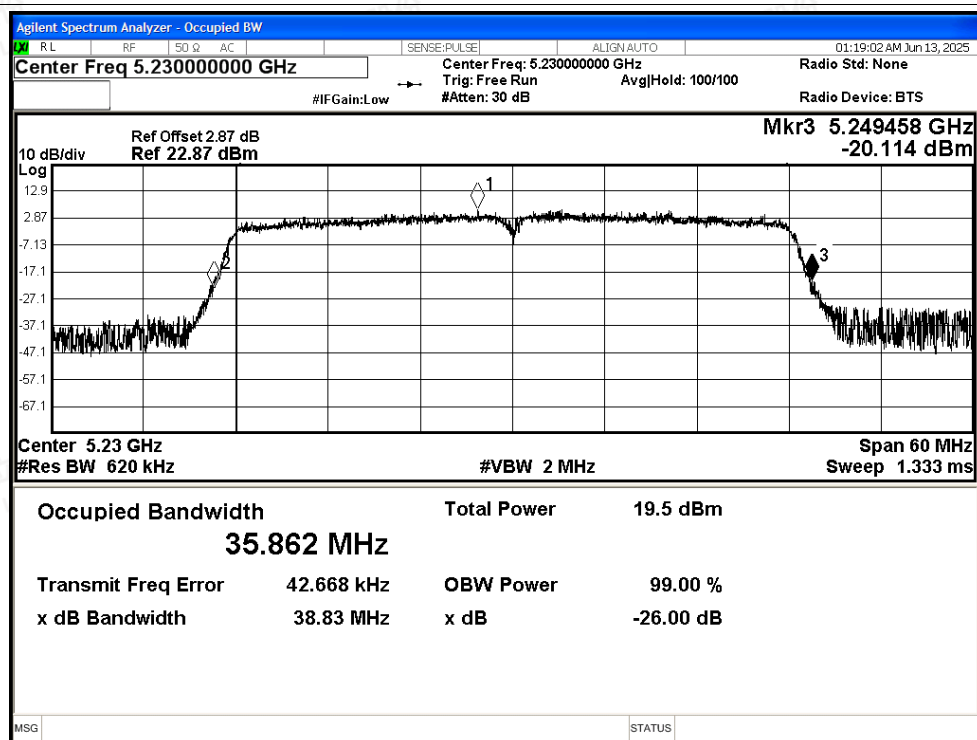
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

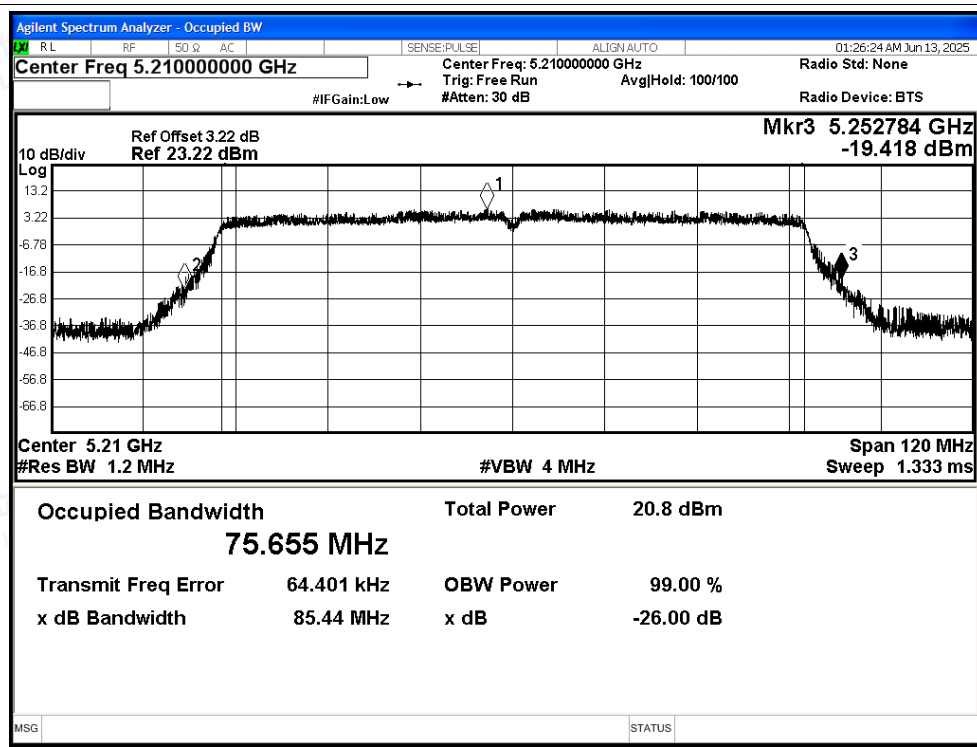
Scan code to check authenticity



-26dB Bandwidth NVNT ac40 5230MHz Ant2



-26dB Bandwidth NVNT ac80 5210MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

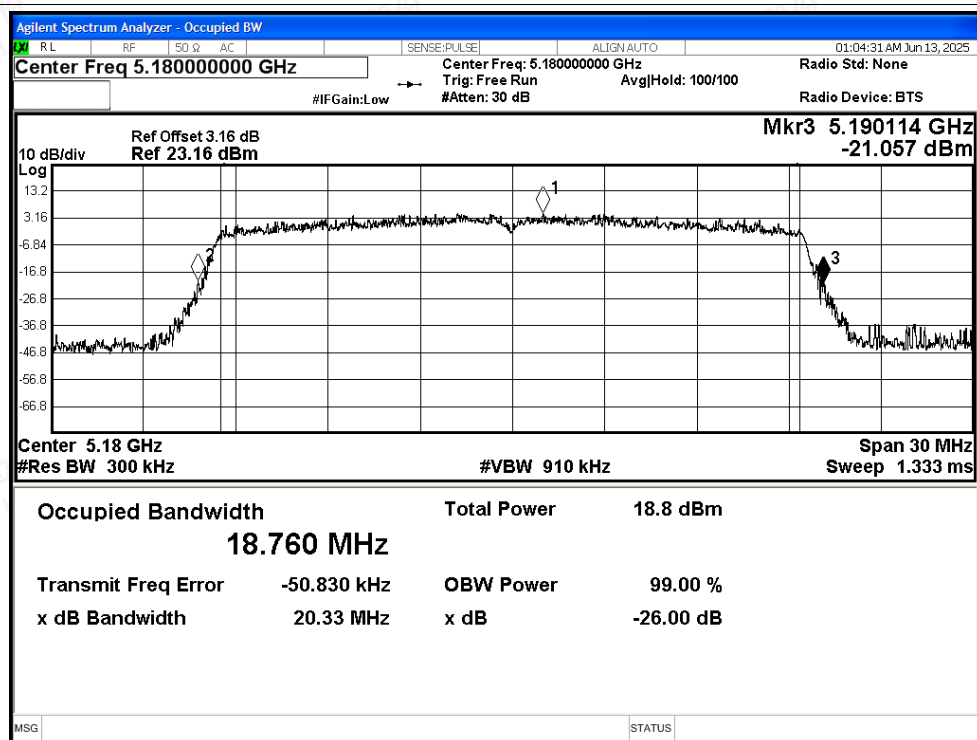
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

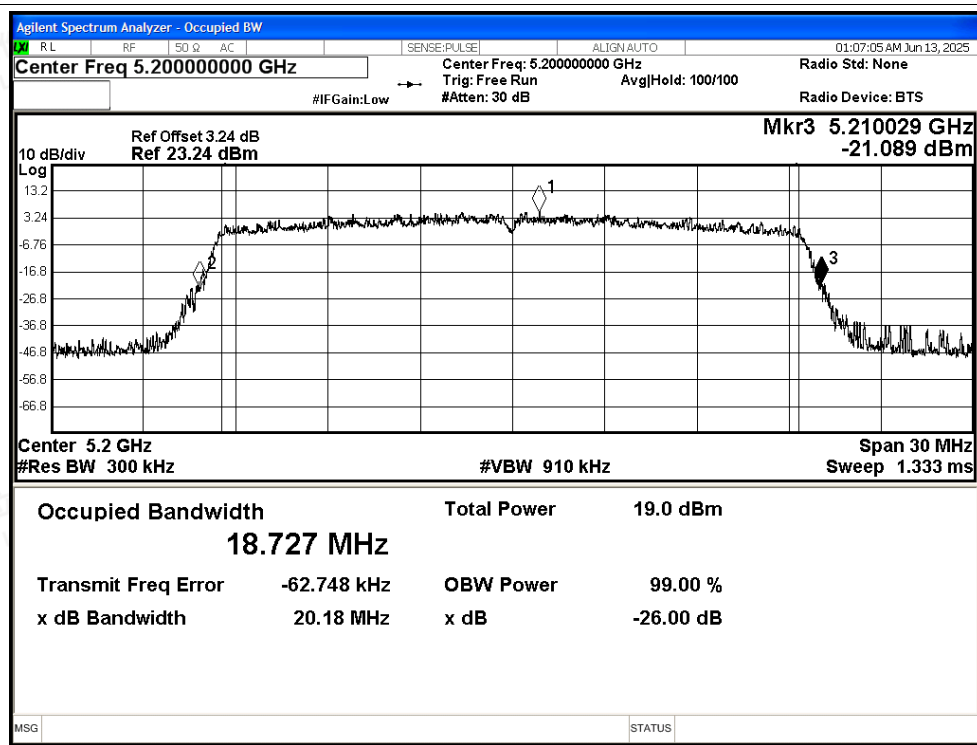
Scan code to check authenticity



-26dB Bandwidth NVNT ax20 5180MHz Ant2



-26dB Bandwidth NVNT ax20 5200MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

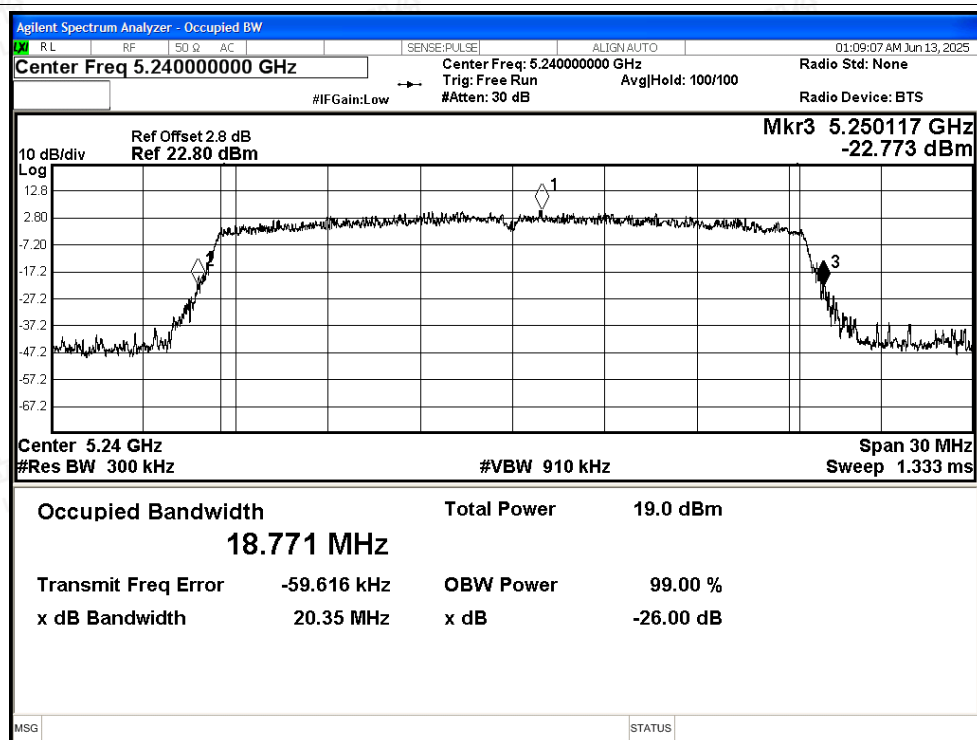
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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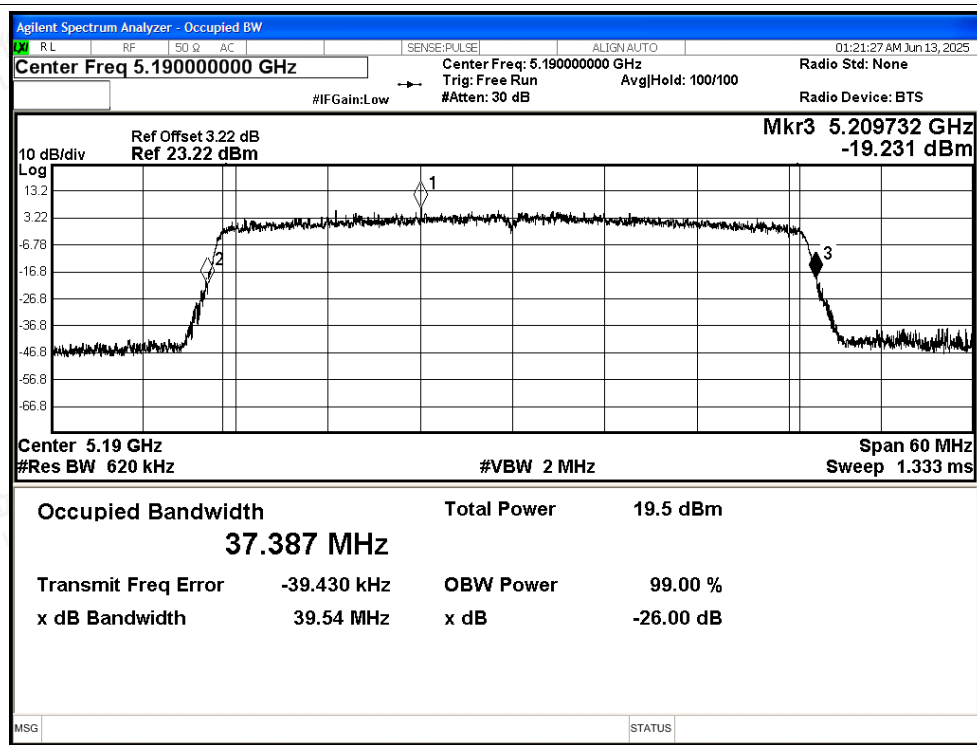
Scan code to check authenticity



-26dB Bandwidth NVNT ax20 5240MHz Ant2



-26dB Bandwidth NVNT ax40 5190MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

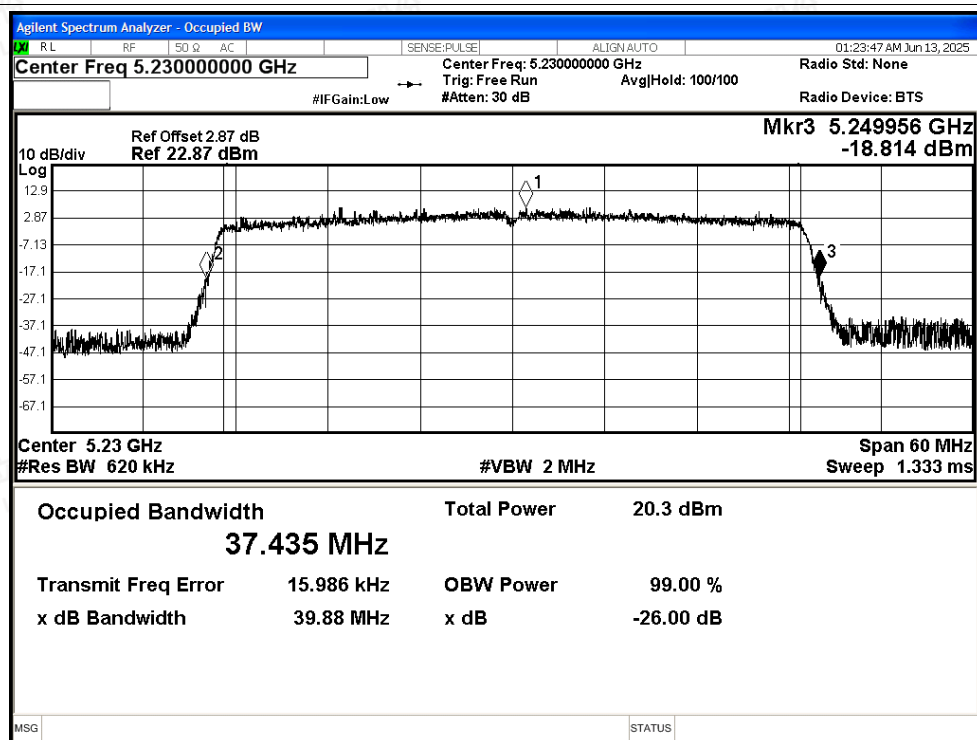
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

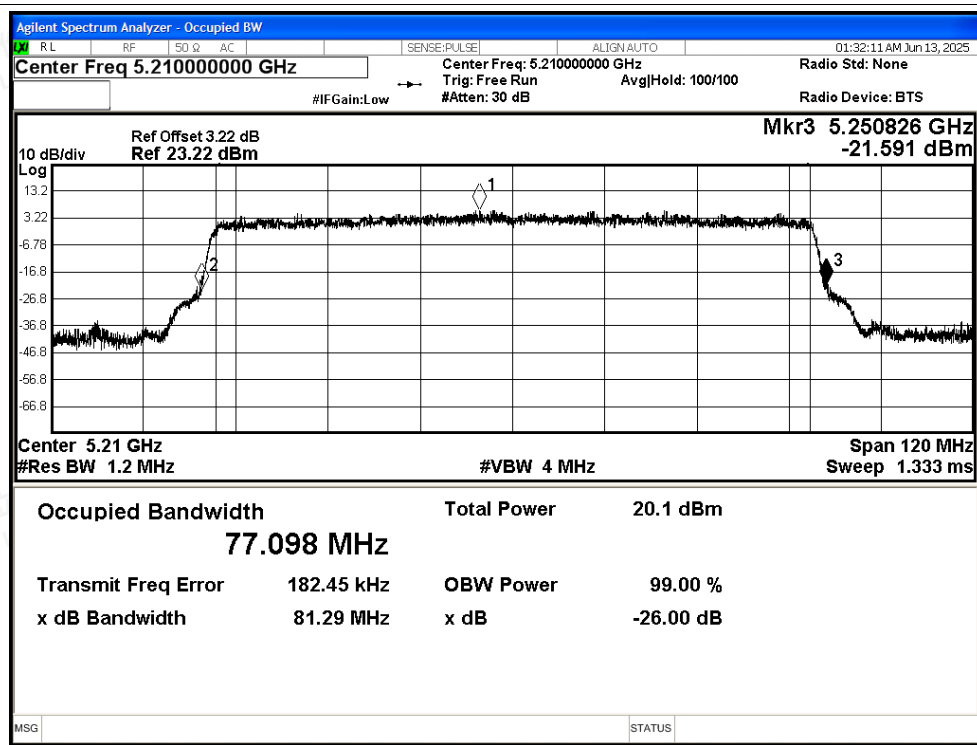
Scan code to check authenticity



-26dB Bandwidth NVNT ax40 5230MHz Ant2



-26dB Bandwidth NVNT ax80 5210MHz Ant2



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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	Ant1	13.83	0.31	14.14	24	Pass
NVNT	a	5200	Ant1	13.32	0.31	13.63	24	Pass
NVNT	a	5240	Ant1	13.9	0.31	14.21	24	Pass
NVNT	n20	5180	Ant1	13.07	0.37	13.44	24	Pass
NVNT	n20	5200	Ant1	13.13	0.37	13.5	24	Pass
NVNT	n20	5240	Ant1	13.18	0.37	13.55	24	Pass
NVNT	n40	5190	Ant1	13	0.71	13.71	24	Pass
NVNT	n40	5230	Ant1	13.65	0.71	14.36	24	Pass
NVNT	ac20	5180	Ant1	12.99	0.36	13.35	24	Pass
NVNT	ac20	5200	Ant1	13.2	0.37	13.57	24	Pass
NVNT	ac20	5240	Ant1	13.24	0.37	13.61	24	Pass
NVNT	ac40	5190	Ant1	12.94	0.71	13.65	24	Pass
NVNT	ac40	5230	Ant1	13.76	0.71	14.47	24	Pass
NVNT	ac80	5210	Ant1	12.44	1.31	13.75	24	Pass
NVNT	ax20	5180	Ant1	12.98	0.42	13.4	24	Pass
NVNT	ax20	5200	Ant1	13.07	0.43	13.5	24	Pass
NVNT	ax20	5240	Ant1	13.03	0.43	13.46	24	Pass
NVNT	ax40	5190	Ant1	12.91	0.78	13.69	24	Pass
NVNT	ax40	5230	Ant1	13.48	0.78	14.26	24	Pass
NVNT	ax80	5210	Ant1	12.54	1.31	13.85	24	Pass





Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant2	12.22	0.31	12.53	24	Pass
NVNT	a	5200	Ant2	12.4	0.31	12.71	24	Pass
NVNT	a	5240	Ant2	12.37	0.31	12.68	24	Pass
NVNT	n20	5180	Ant2	12.02	0.37	12.39	24	Pass
NVNT	n20	5200	Ant2	12.15	0.37	12.52	24	Pass
NVNT	n20	5240	Ant2	12.16	0.37	12.53	24	Pass
NVNT	n40	5190	Ant2	12.14	0.71	12.85	24	Pass
NVNT	n40	5230	Ant2	12.69	0.71	13.4	24	Pass
NVNT	ac20	5180	Ant2	12.17	0.37	12.54	24	Pass
NVNT	ac20	5200	Ant2	12.26	0.37	12.63	24	Pass
NVNT	ac20	5240	Ant2	12.35	0.36	12.71	24	Pass
NVNT	ac40	5190	Ant2	12.09	0.71	12.8	24	Pass
NVNT	ac40	5230	Ant2	12.54	0.71	13.25	24	Pass
NVNT	ac80	5210	Ant2	12.53	1.31	13.84	24	Pass
NVNT	ax20	5180	Ant2	11.98	0.43	12.41	24	Pass
NVNT	ax20	5200	Ant2	12.11	0.42	12.53	24	Pass
NVNT	ax20	5240	Ant2	11.96	0.42	12.38	24	Pass
NVNT	ax40	5190	Ant2	11.97	0.78	12.75	24	Pass
NVNT	ax40	5230	Ant2	12.55	0.77	13.32	24	Pass
NVNT	ax80	5210	Ant2	11.38	1.35	12.73	24	Pass





MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5180	13.44	12.39	15.96	24	Pass
NVNT	n20	5200	13.5	12.52	16.05	24	Pass
NVNT	n20	5240	13.55	12.53	16.08	24	Pass
NVNT	n40	5190	13.71	12.85	16.31	24	Pass
NVNT	n40	5230	14.36	13.4	16.92	24	Pass
NVNT	ac20	5180	13.35	12.54	15.97	24	Pass
NVNT	ac20	5200	13.57	12.63	16.14	24	Pass
NVNT	ac20	5240	13.61	12.71	16.19	24	Pass
NVNT	ac40	5190	13.65	12.8	16.26	24	Pass
NVNT	ac40	5230	14.47	13.25	16.91	24	Pass
NVNT	ac80	5210	13.75	13.84	16.81	24	Pass
NVNT	ax20	5180	13.4	12.41	15.94	24	Pass
NVNT	ax20	5200	13.5	12.53	16.05	24	Pass
NVNT	ax20	5240	13.46	12.38	15.96	24	Pass
NVNT	ax40	5190	13.69	12.75	16.26	24	Pass
NVNT	ax40	5230	14.26	13.32	16.83	24	Pass
NVNT	ax80	5210	13.85	12.73	16.34	24	Pass



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D.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	4.3	0.31	4.61	11	Pass
NVNT	a	5200	Ant1	3.71	0.31	4.02	11	Pass
NVNT	a	5240	Ant1	4.08	0.31	4.39	11	Pass
NVNT	n20	5180	Ant1	3.66	0.37	4.03	11	Pass
NVNT	n20	5200	Ant1	3.56	0.37	3.93	11	Pass
NVNT	n20	5240	Ant1	3.49	0.37	3.86	11	Pass
NVNT	n40	5190	Ant1	0.4	0.71	1.11	11	Pass
NVNT	n40	5230	Ant1	1.2	0.71	1.91	11	Pass
NVNT	ac20	5180	Ant1	3.04	0.36	3.4	11	Pass
NVNT	ac20	5200	Ant1	3.31	0.37	3.68	11	Pass
NVNT	ac20	5240	Ant1	3.72	0.37	4.09	11	Pass
NVNT	ac40	5190	Ant1	0.39	0.71	1.1	11	Pass
NVNT	ac40	5230	Ant1	0.88	0.71	1.59	11	Pass
NVNT	ac80	5210	Ant1	-3.53	1.31	-2.22	11	Pass
NVNT	ax20	5180	Ant1	3.08	0.42	3.5	11	Pass
NVNT	ax20	5200	Ant1	3.37	0.43	3.8	11	Pass
NVNT	ax20	5240	Ant1	3.49	0.43	3.92	11	Pass
NVNT	ax40	5190	Ant1	0.21	0.78	0.99	11	Pass
NVNT	ax40	5230	Ant1	1.24	0.78	2.02	11	Pass
NVNT	ax80	5210	Ant1	-3.61	1.31	-2.3	11	Pass





Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant2	2.84	0.31	3.15	11	Pass
NVNT	a	5200	Ant2	2.64	0.31	2.95	11	Pass
NVNT	a	5240	Ant2	2.89	0.31	3.2	11	Pass
NVNT	n20	5180	Ant2	2.2	0.37	2.57	11	Pass
NVNT	n20	5200	Ant2	2.38	0.37	2.75	11	Pass
NVNT	n20	5240	Ant2	2.64	0.37	3.01	11	Pass
NVNT	n40	5190	Ant2	-0.78	0.71	-0.07	11	Pass
NVNT	n40	5230	Ant2	0.16	0.71	0.87	11	Pass
NVNT	ac20	5180	Ant2	2.48	0.37	2.85	11	Pass
NVNT	ac20	5200	Ant2	2.43	0.37	2.8	11	Pass
NVNT	ac20	5240	Ant2	2.66	0.36	3.02	11	Pass
NVNT	ac40	5190	Ant2	-1.08	0.71	-0.37	11	Pass
NVNT	ac40	5230	Ant2	-0.05	0.71	0.66	11	Pass
NVNT	ac80	5210	Ant2	-3.24	1.31	-1.93	11	Pass
NVNT	ax20	5180	Ant2	2.02	0.43	2.45	11	Pass
NVNT	ax20	5200	Ant2	2.19	0.42	2.61	11	Pass
NVNT	ax20	5240	Ant2	2.13	0.42	2.55	11	Pass
NVNT	ax40	5190	Ant2	-0.95	0.78	-0.17	11	Pass
NVNT	ax40	5230	Ant2	-0.42	0.77	0.35	11	Pass
NVNT	ax80	5210	Ant2	-3.93	1.35	-2.58	11	Pass





MIMO

Condition	Mode	Frequency (MHz)	Total PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5180	4.03	2.57	6.37	11	Pass
NVNT	n20	5200	3.93	2.75	6.39	11	Pass
NVNT	n20	5240	3.86	3.01	6.47	11	Pass
NVNT	n40	5190	1.11	-0.07	3.57	11	Pass
NVNT	n40	5230	1.91	0.87	4.43	11	Pass
NVNT	ac20	5180	3.4	2.85	6.14	11	Pass
NVNT	ac20	5200	3.68	2.8	6.27	11	Pass
NVNT	ac20	5240	4.09	3.02	6.60	11	Pass
NVNT	ac40	5190	1.1	-0.37	3.44	11	Pass
NVNT	ac40	5230	1.59	0.66	4.16	11	Pass
NVNT	ac80	5210	-2.22	-1.93	0.94	11	
NVNT	ax20	5180	3.5	2.45	6.02	11	Pass
NVNT	ax20	5200	3.8	2.61	6.26	11	Pass
NVNT	ax20	5240	3.92	2.55	6.31	11	Pass
NVNT	ax40	5190	0.99	-0.17	4.97	11	Pass
NVNT	ax40	5230	2.02	0.35	5.55	11	Pass
NVNT	ax80	5210	-2.3	-2.58	1.97	11	



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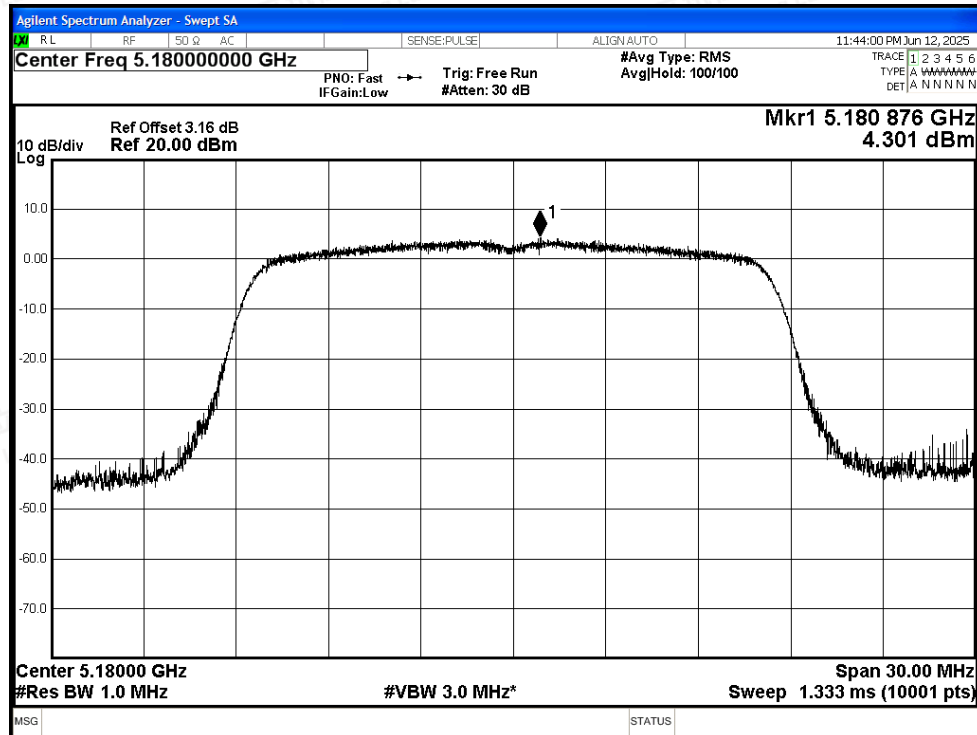
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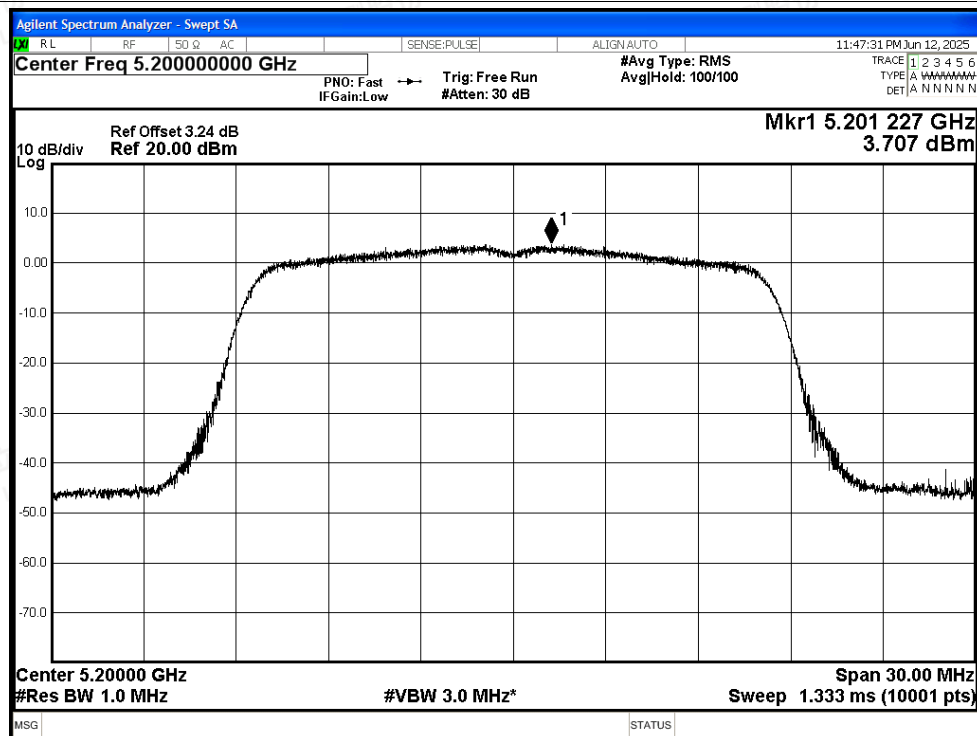


Test Graphs

PSD NVNT a 5180MHz Ant1

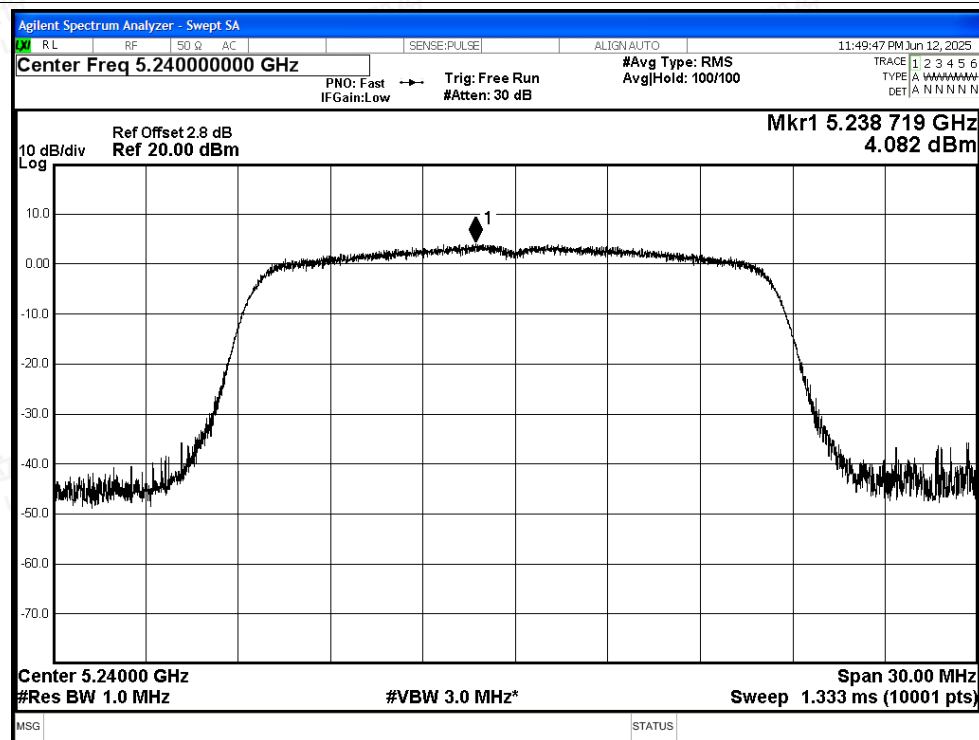


PSD NVNT a 5200MHz Ant1

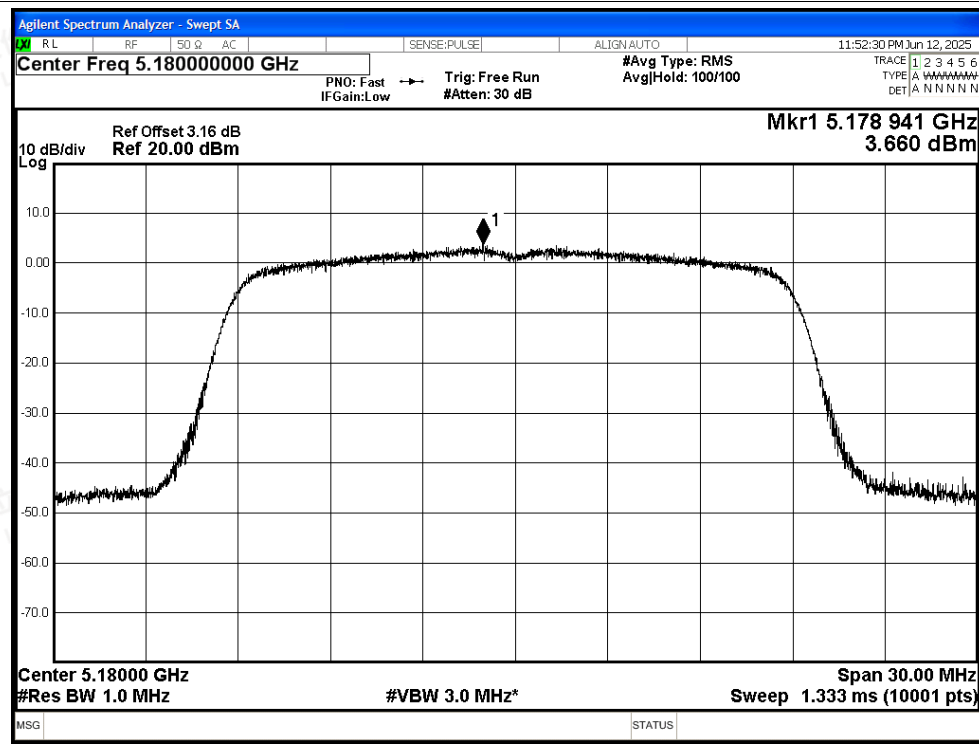




PSD NVNT a 5240MHz Ant1



PSD NVNT n20 5180MHz Ant1

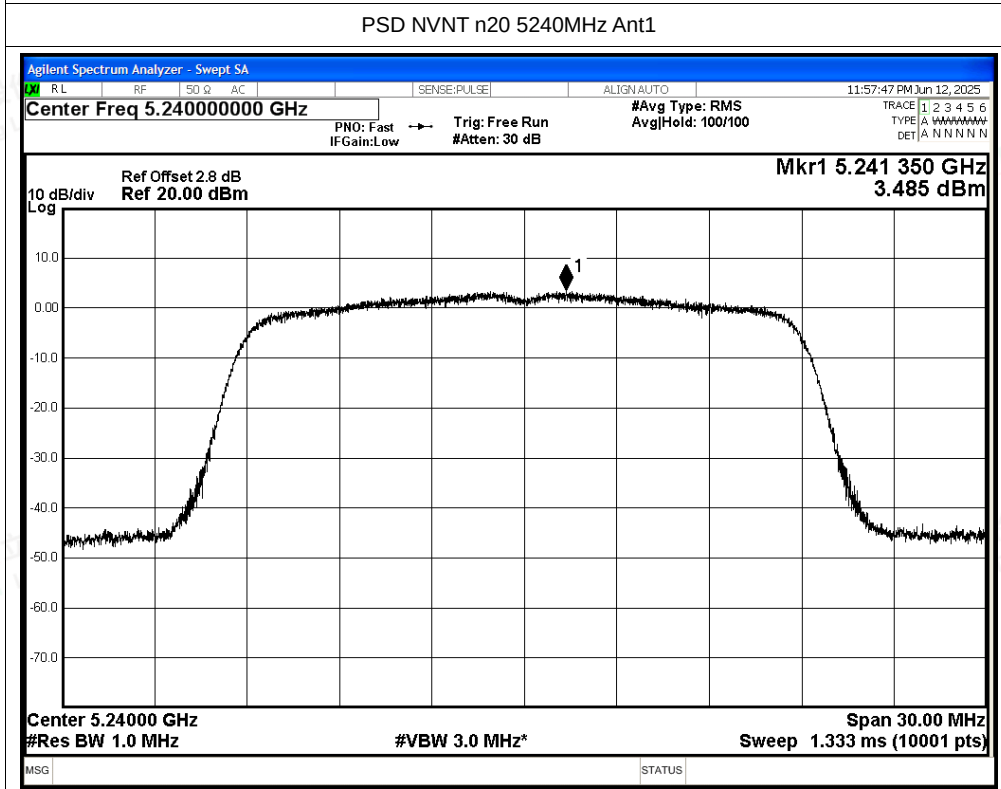
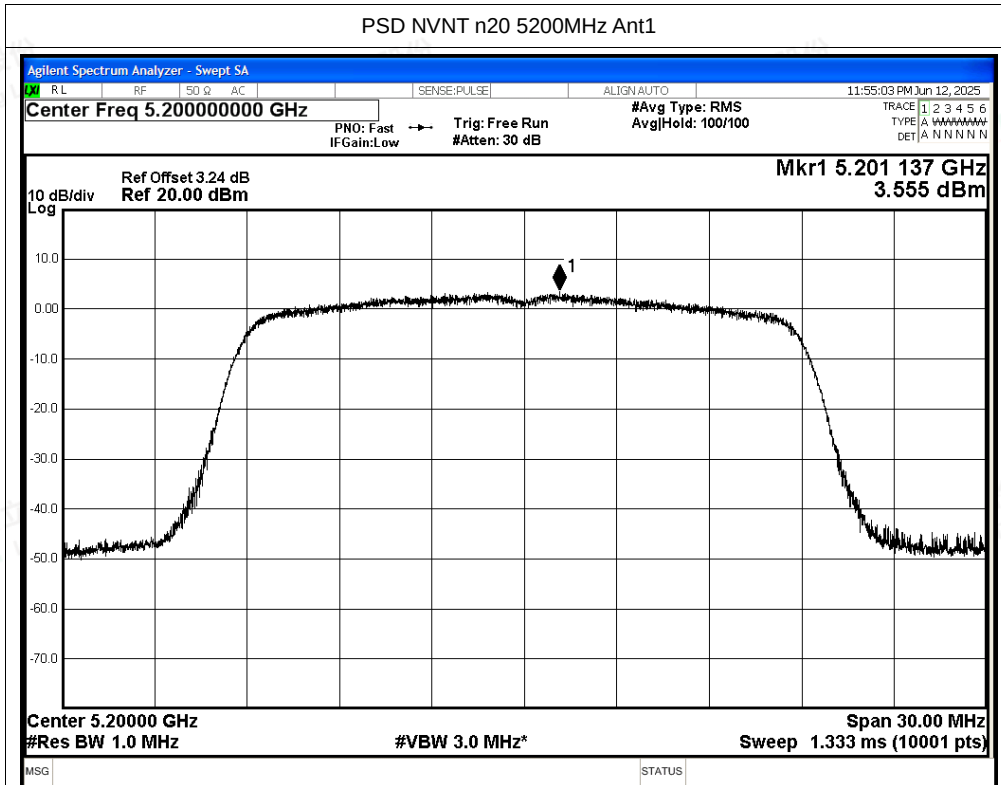


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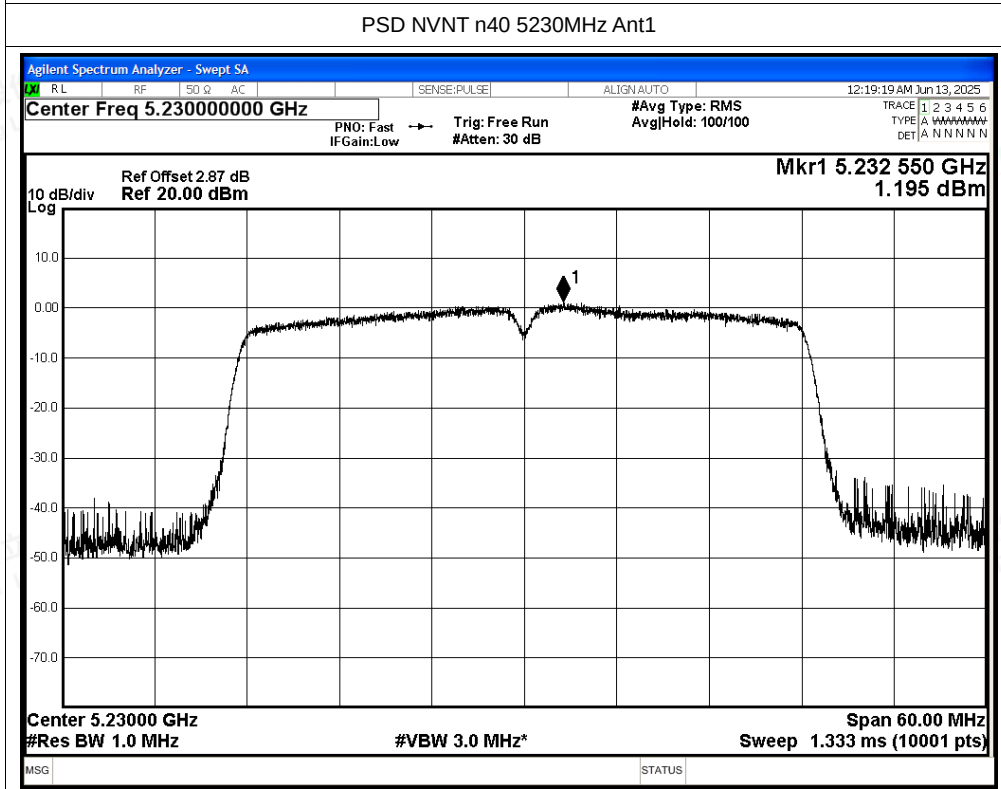
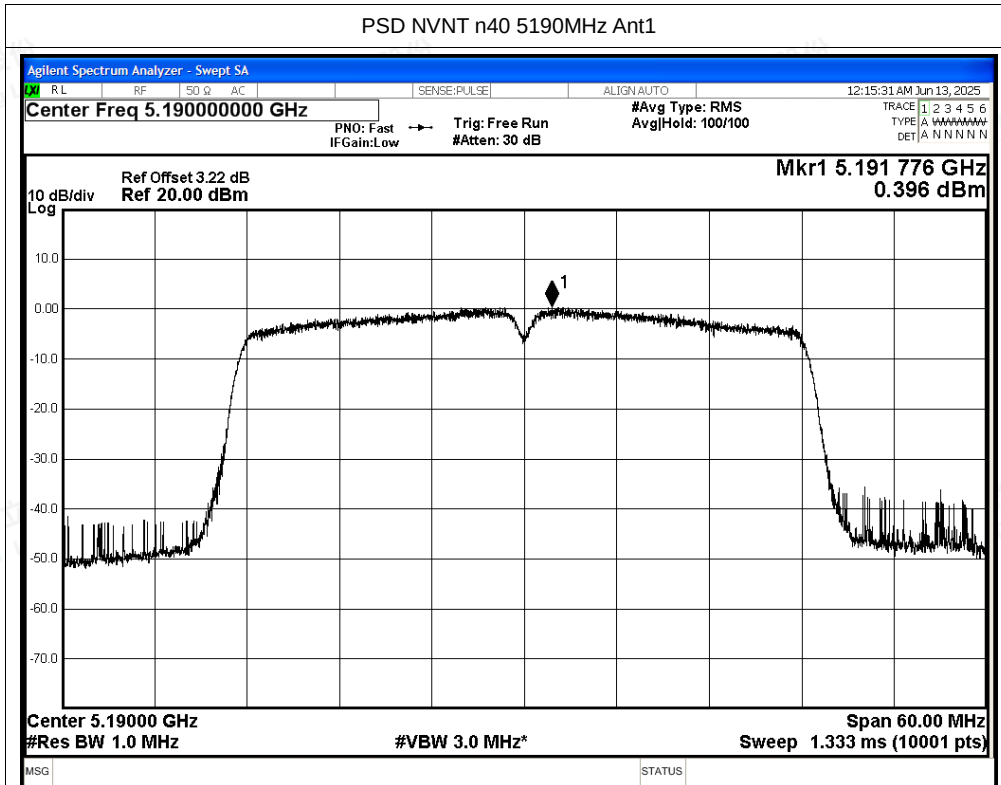


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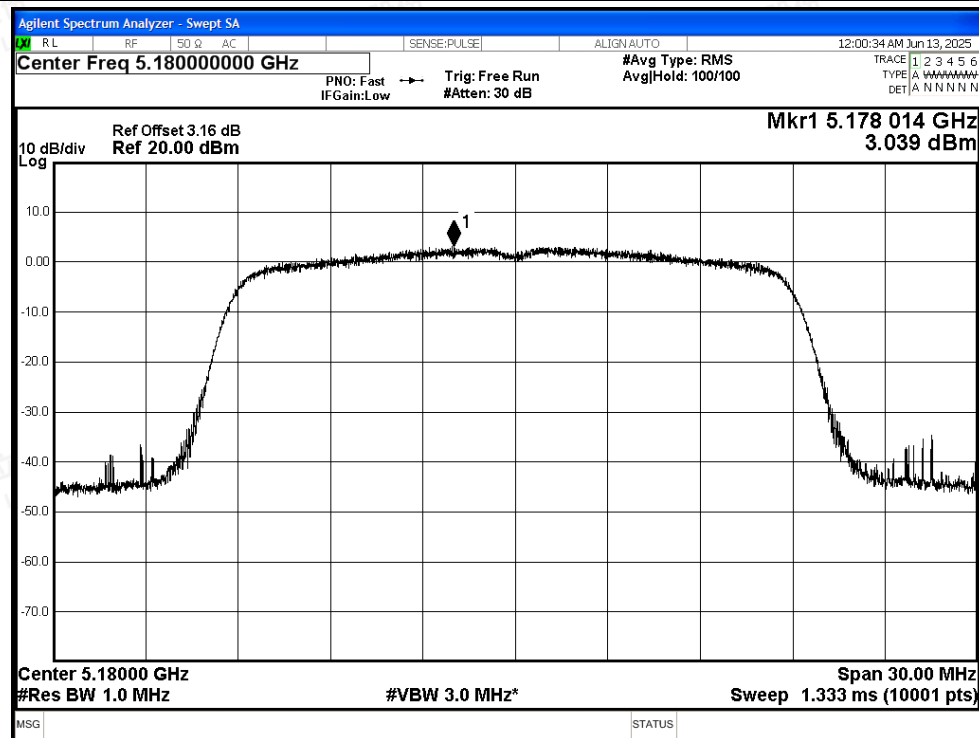
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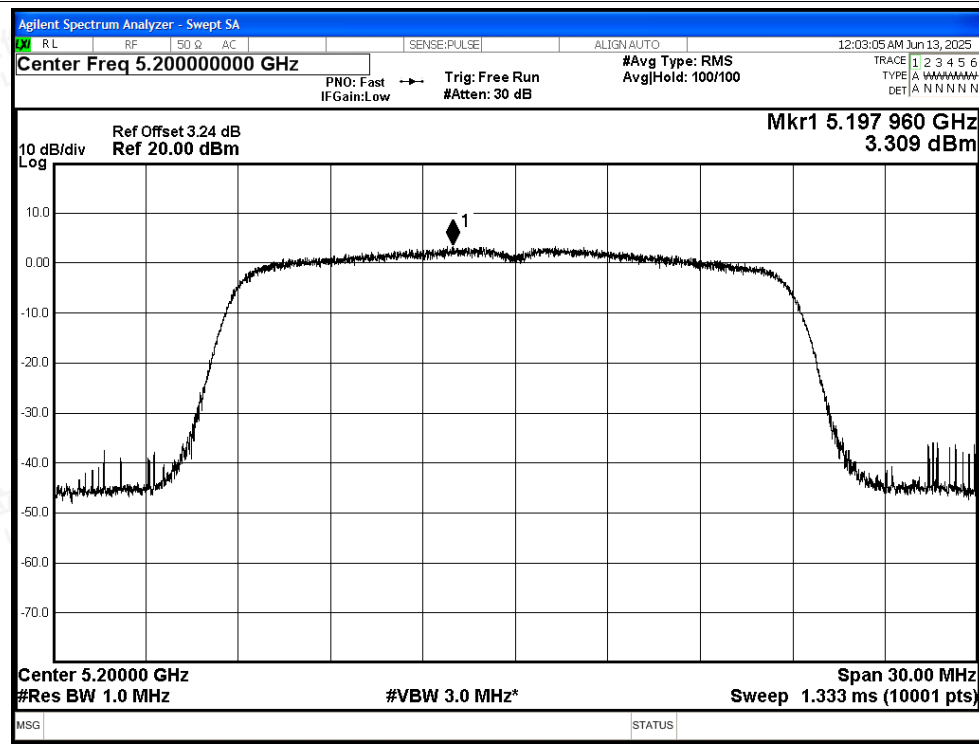
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PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5200MHz Ant1

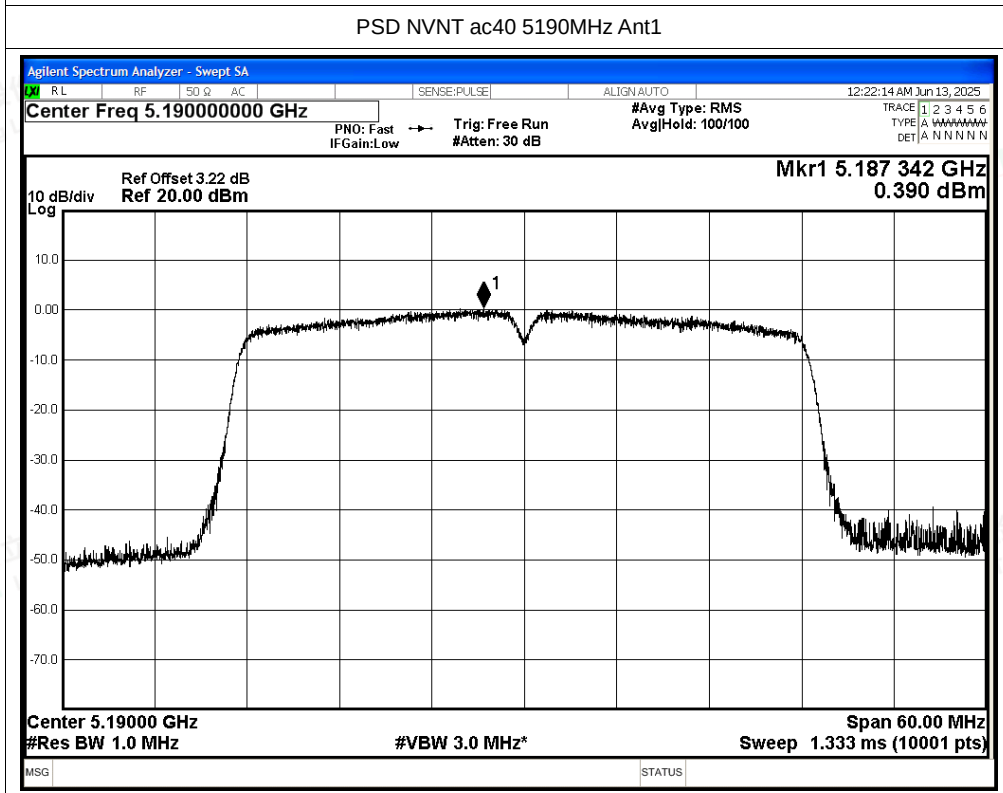
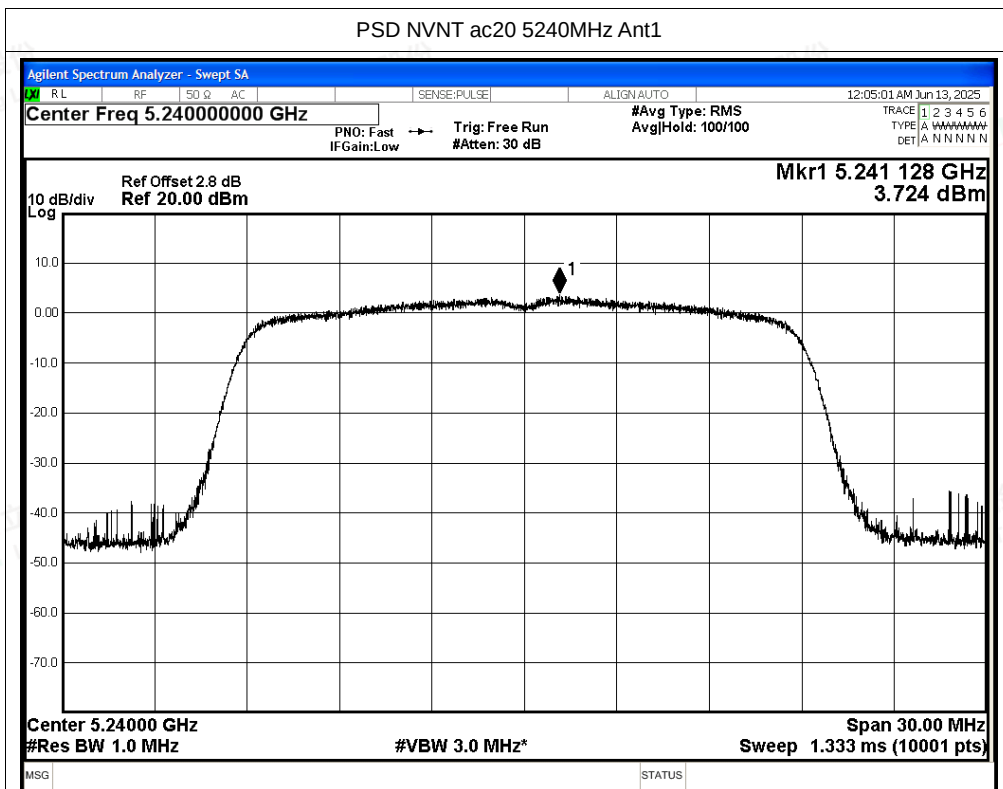


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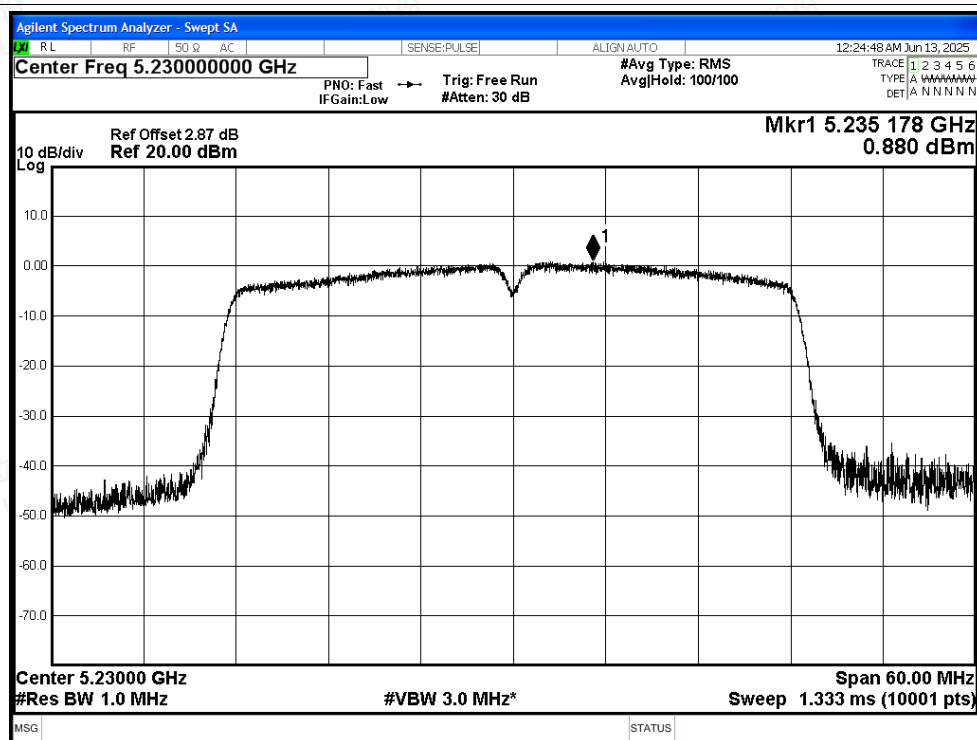
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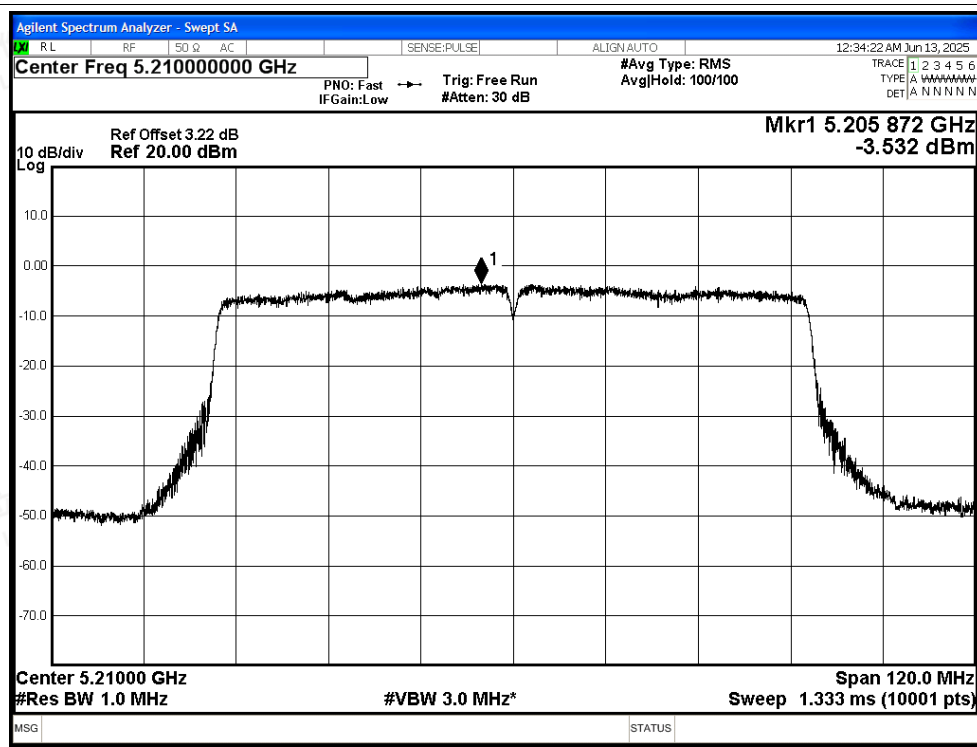
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PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac80 5210MHz Ant1



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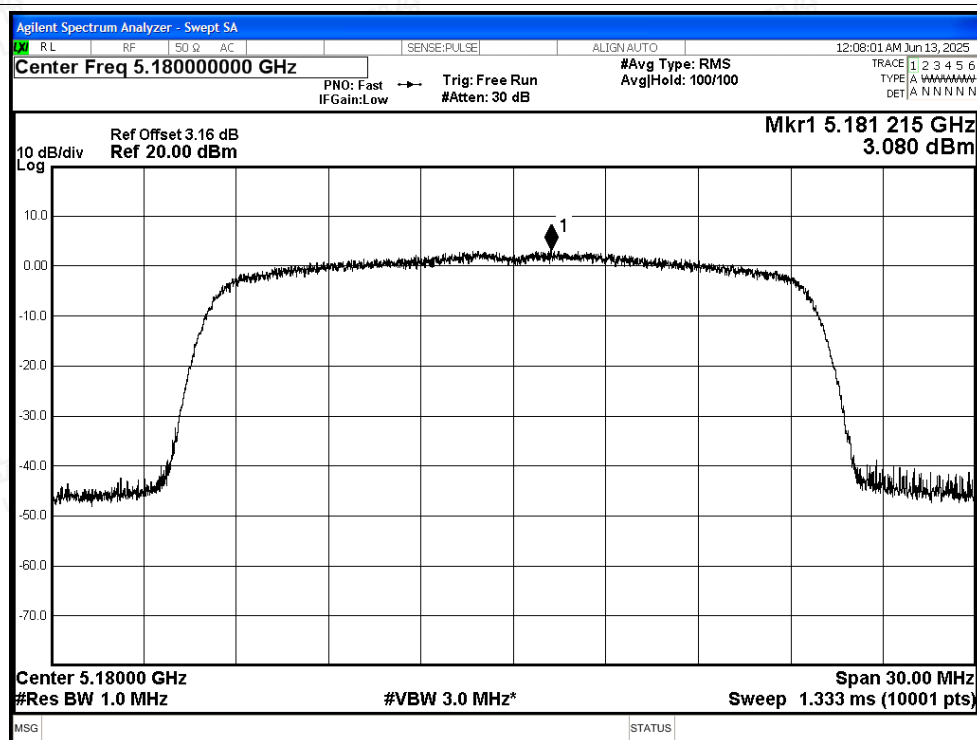
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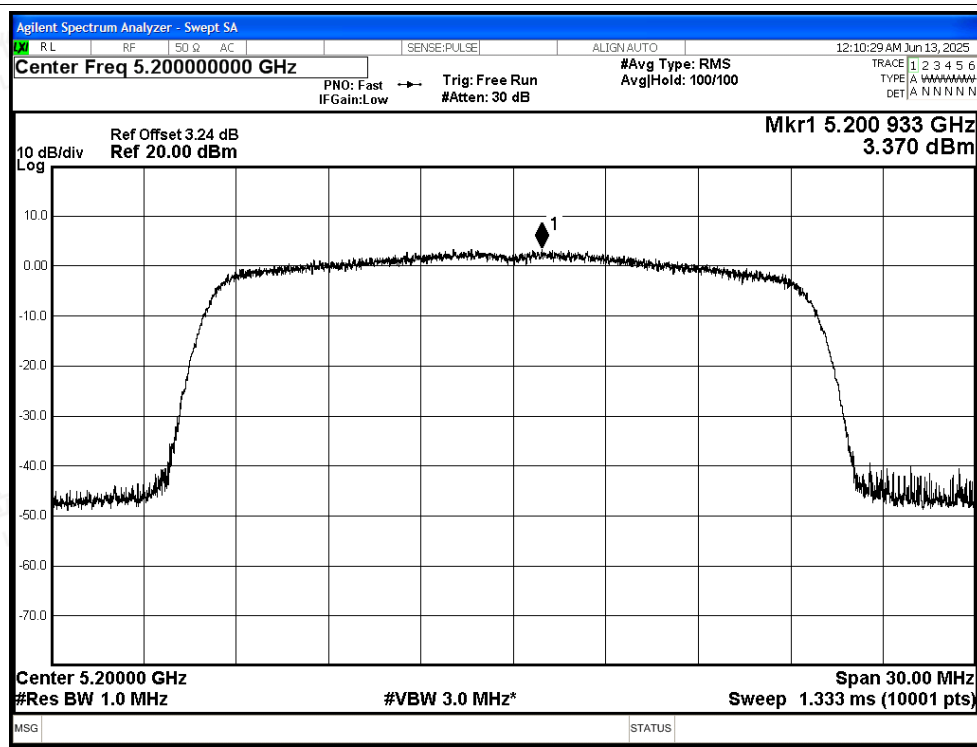
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PSD NVNT ax20 5180MHz Ant1



PSD NVNT ax20 5200MHz Ant1



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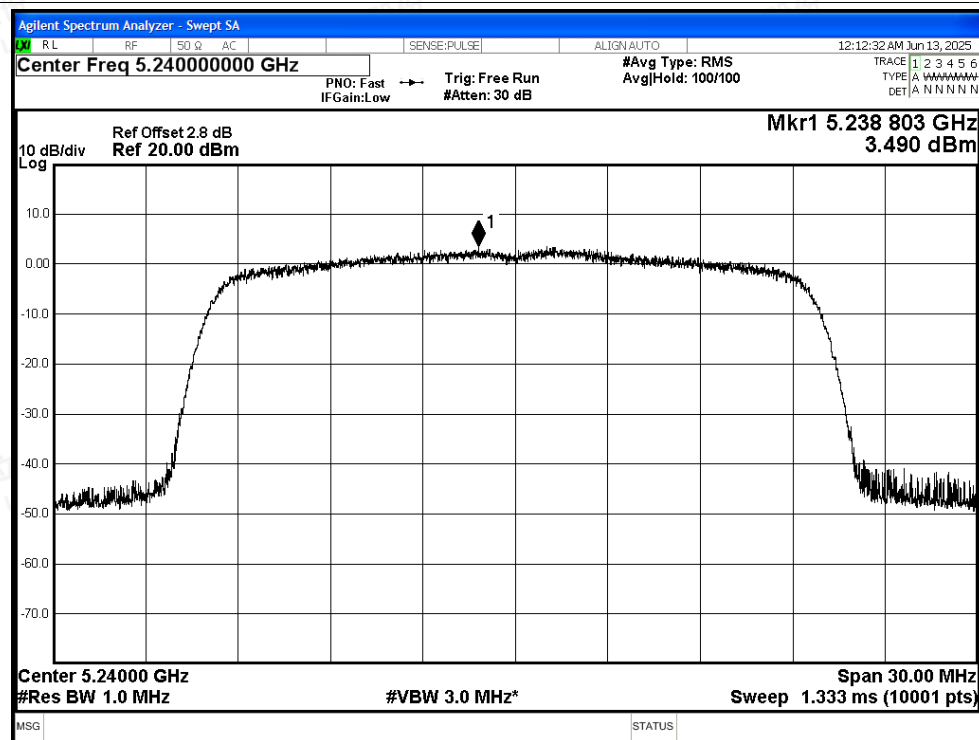
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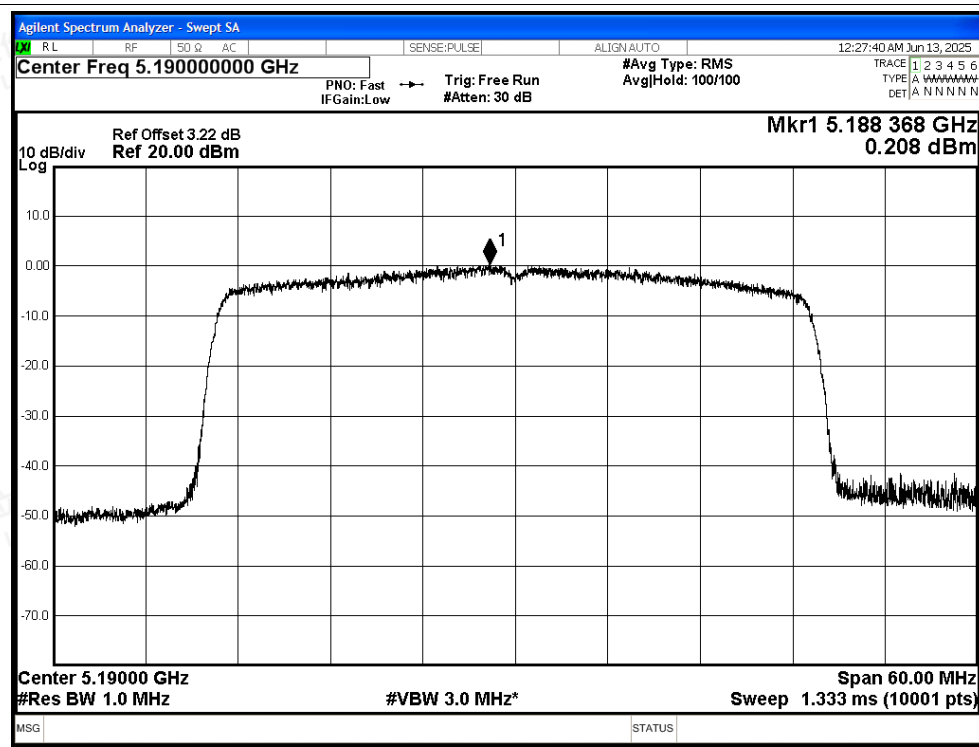
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PSD NVNT ax20 5240MHz Ant1



PSD NVNT ax40 5190MHz Ant1



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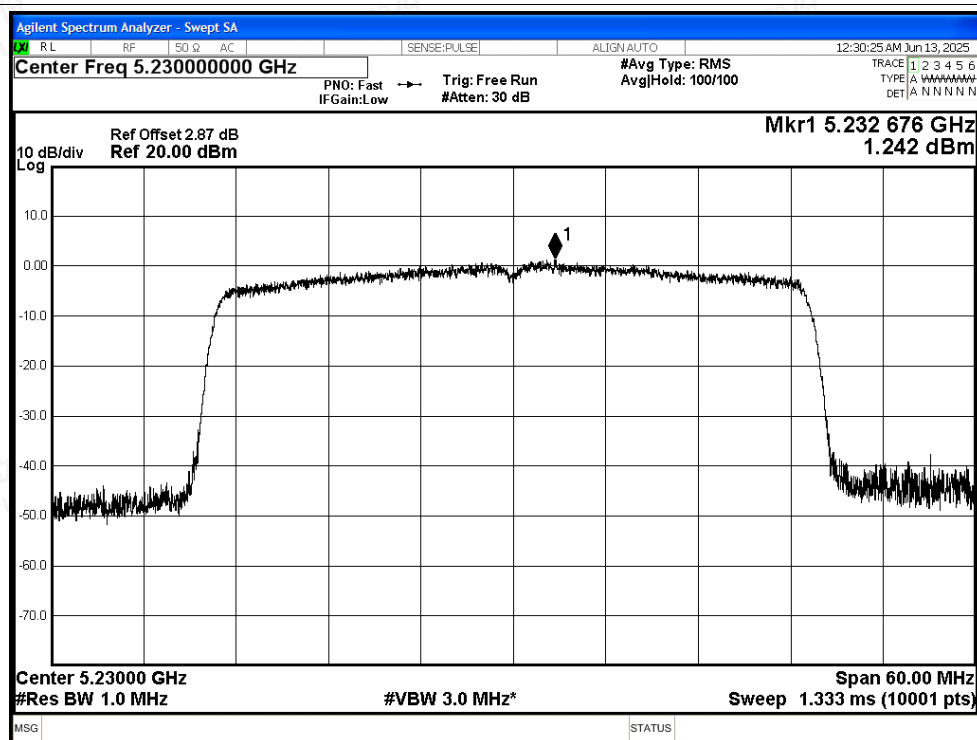
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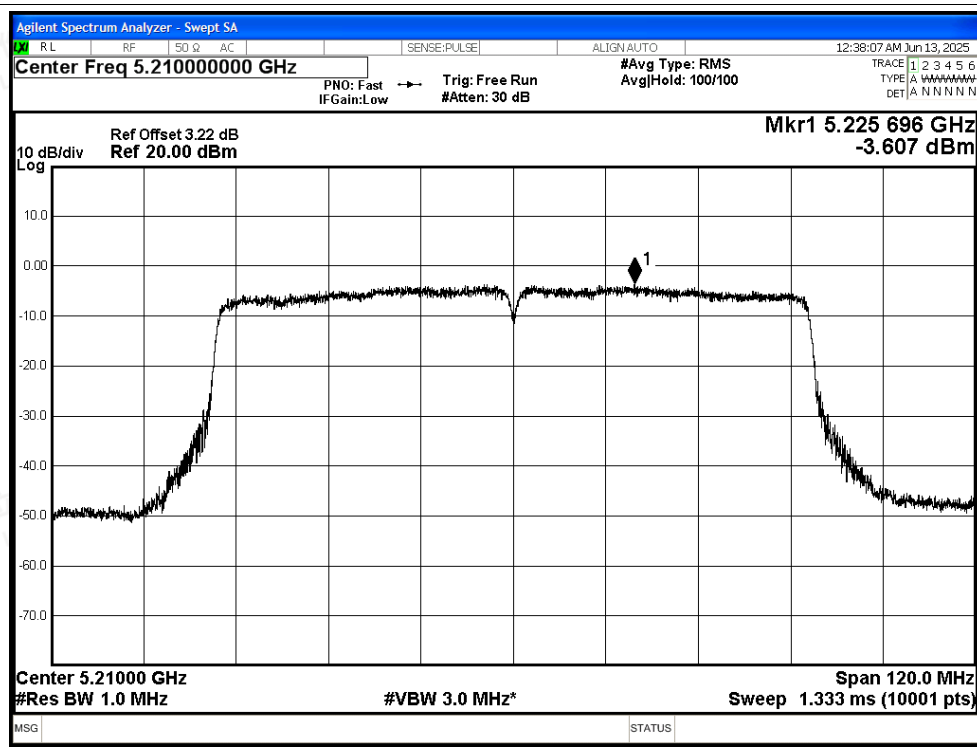
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PSD NVNT ax40 5230MHz Ant1



PSD NVNT ax80 5210MHz Ant1



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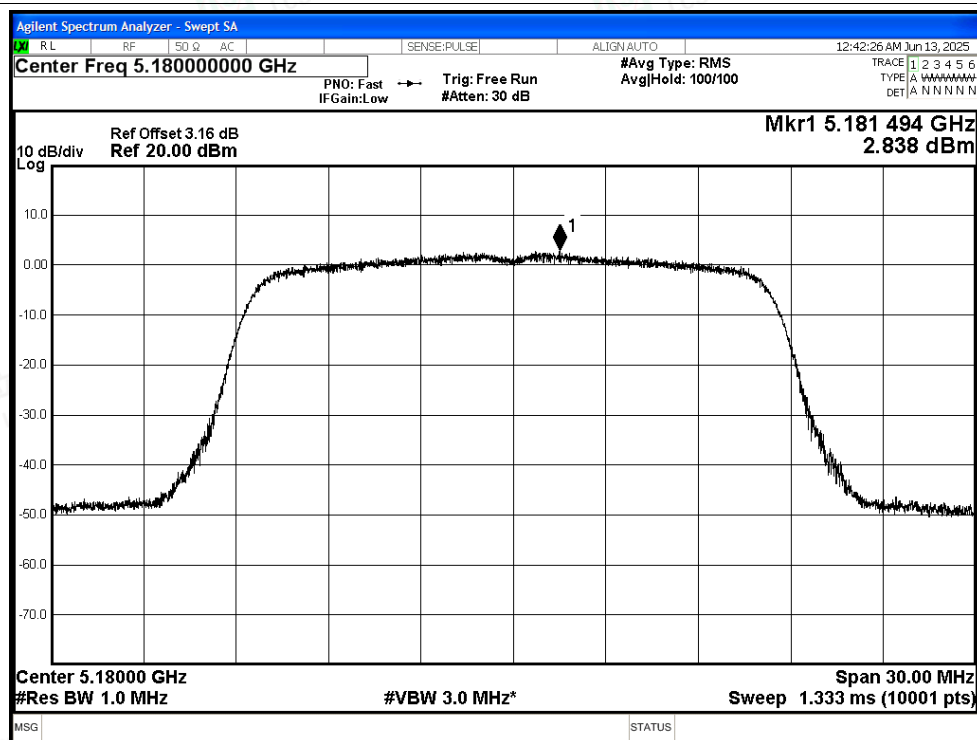
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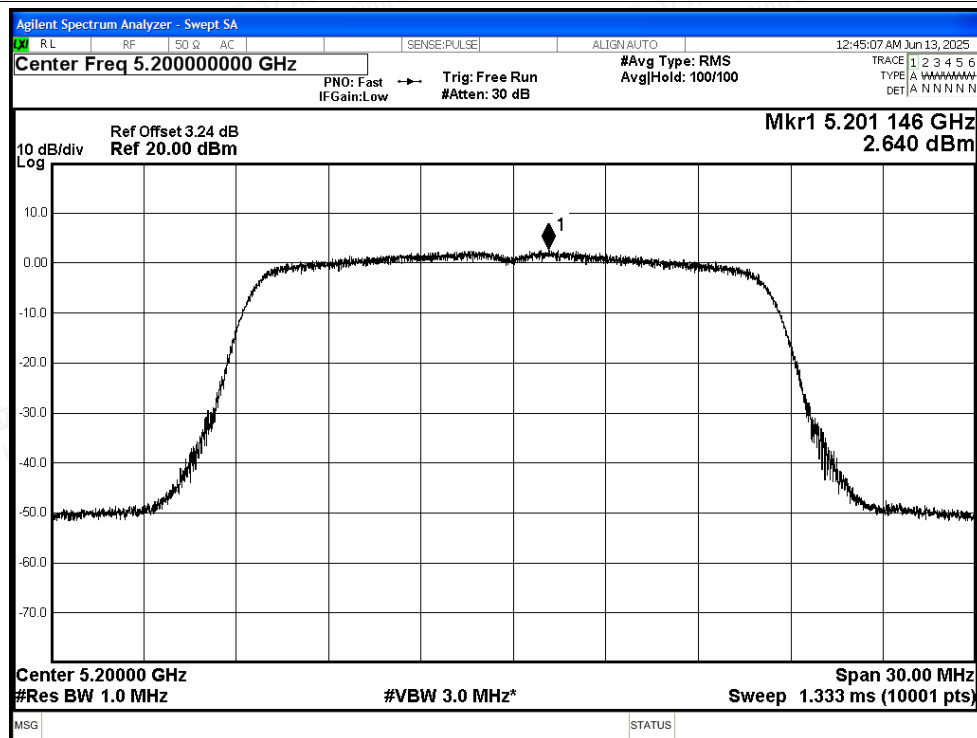


Test Graphs

PSD NVNT a 5180MHz Ant2

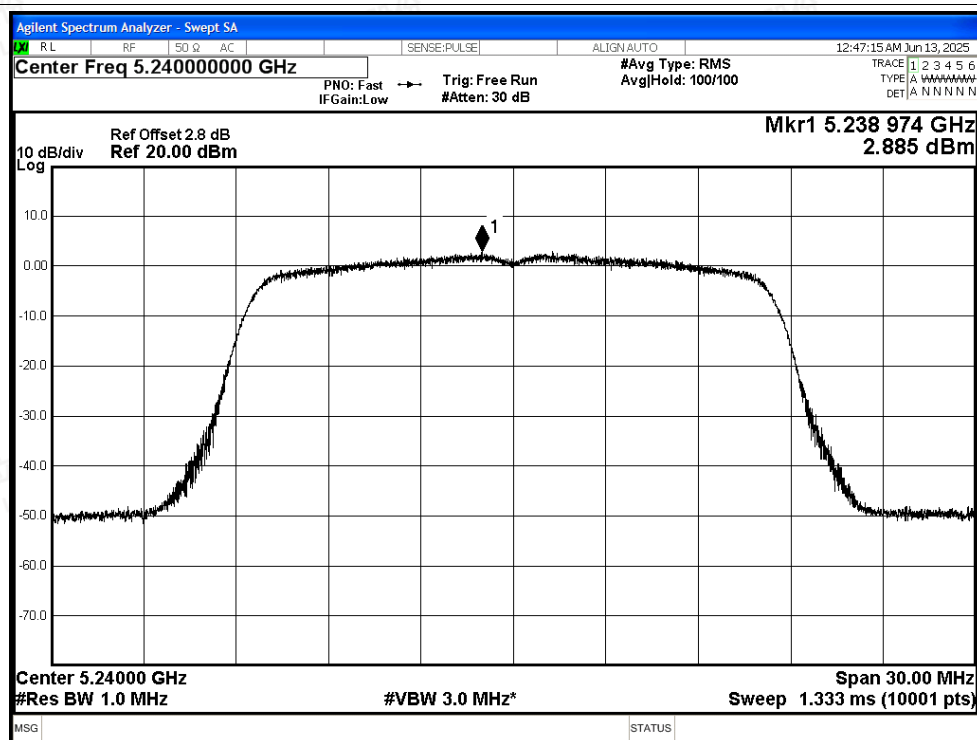


PSD NVNT a 5200MHz Ant2

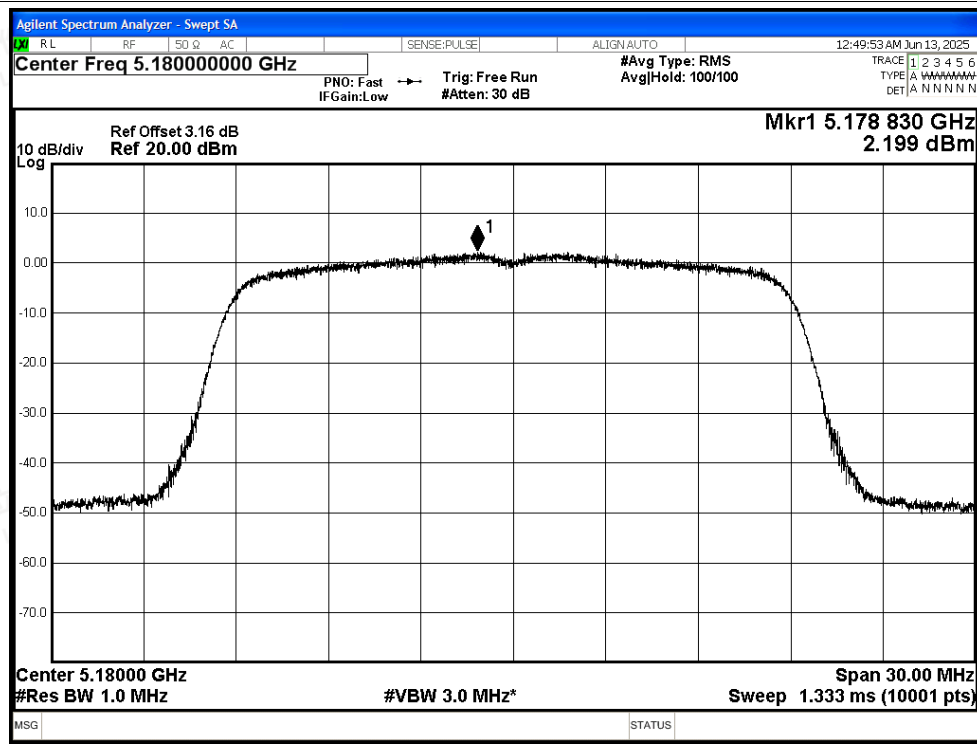




PSD NVNT a 5240MHz Ant2



PSD NVNT n20 5180MHz Ant2

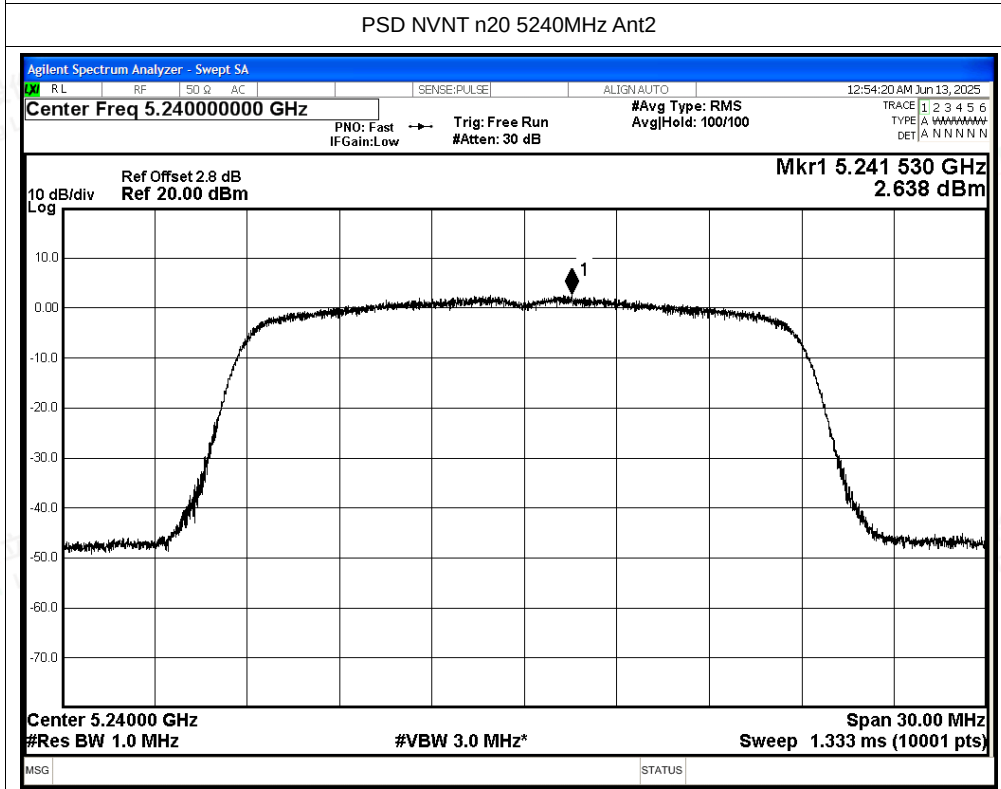
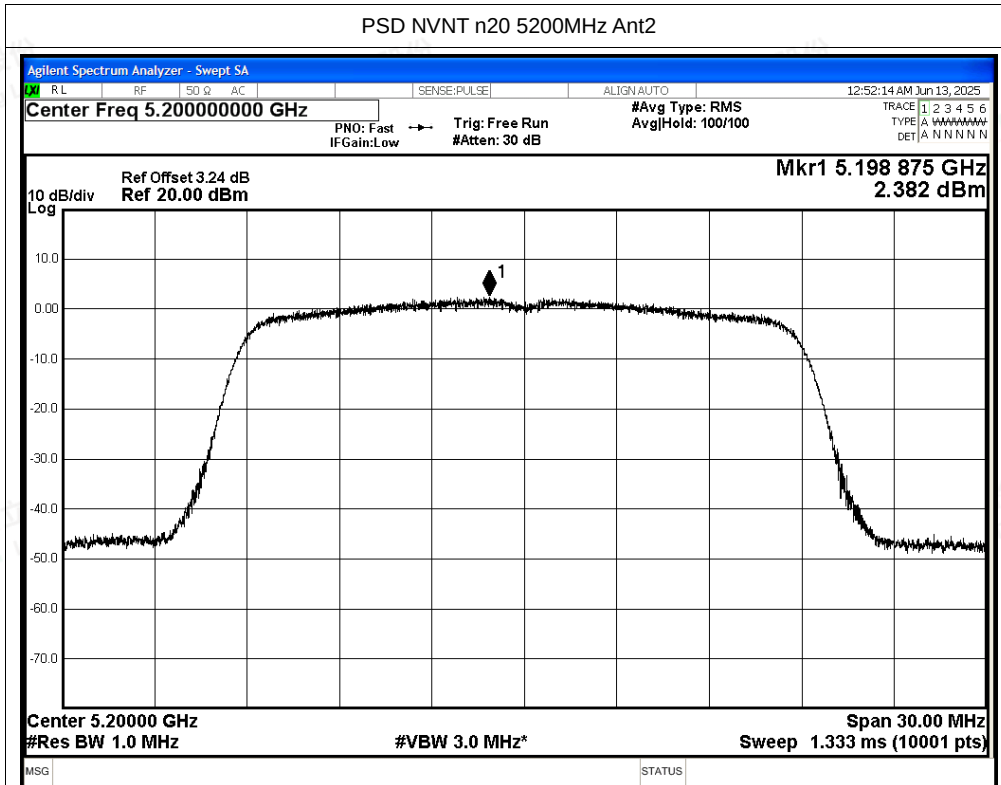


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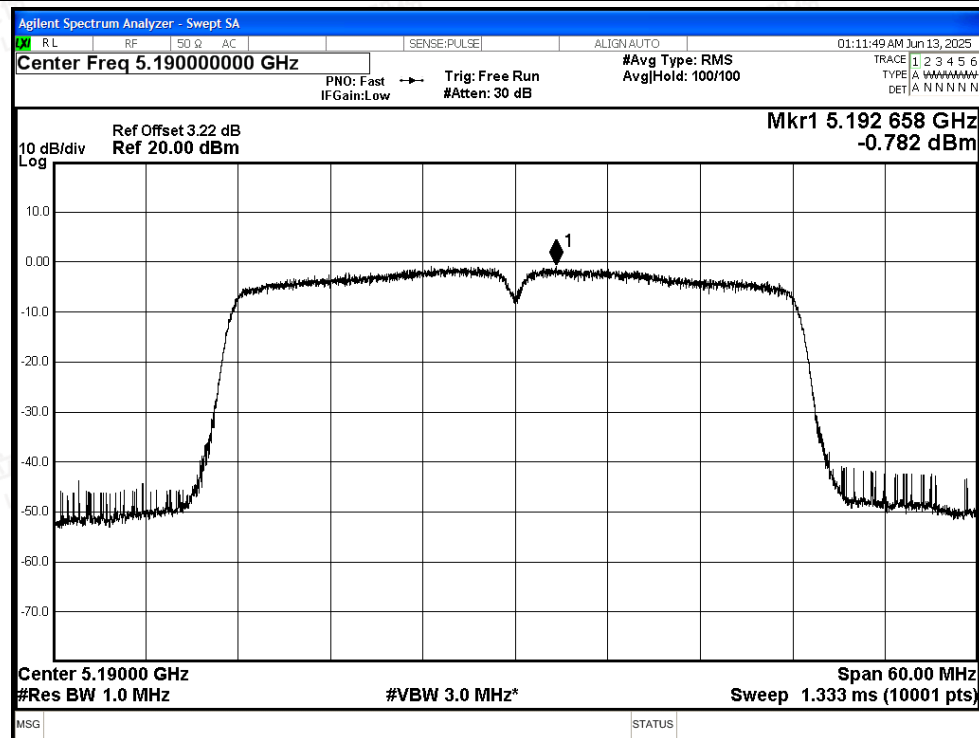
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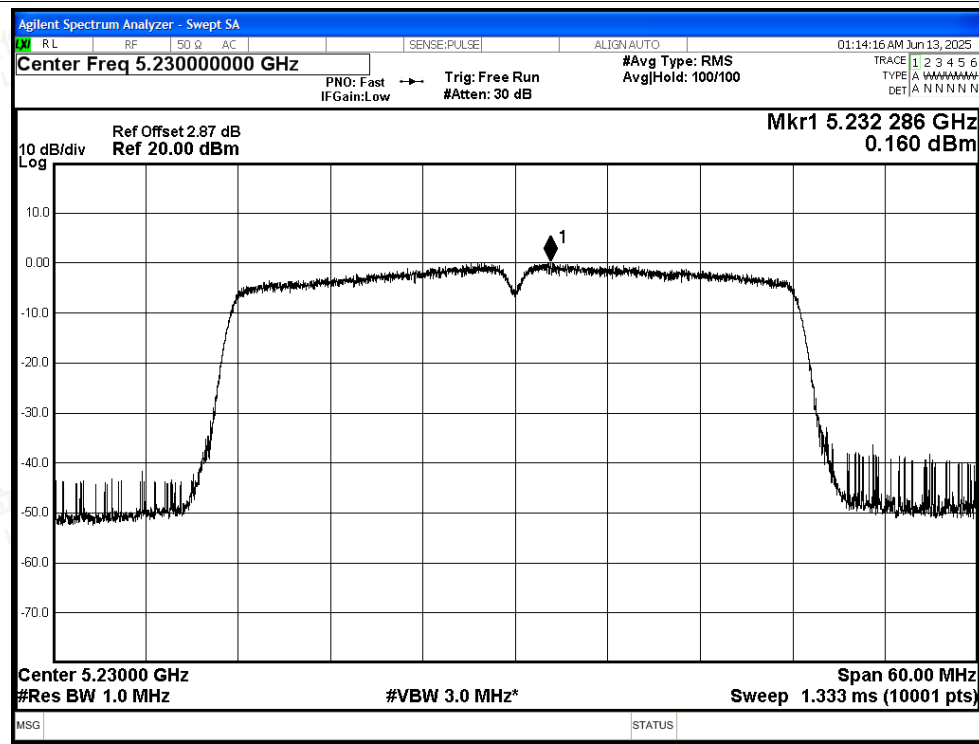
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PSD NVNT n40 5190MHz Ant2



PSD NVNT n40 5230MHz Ant2



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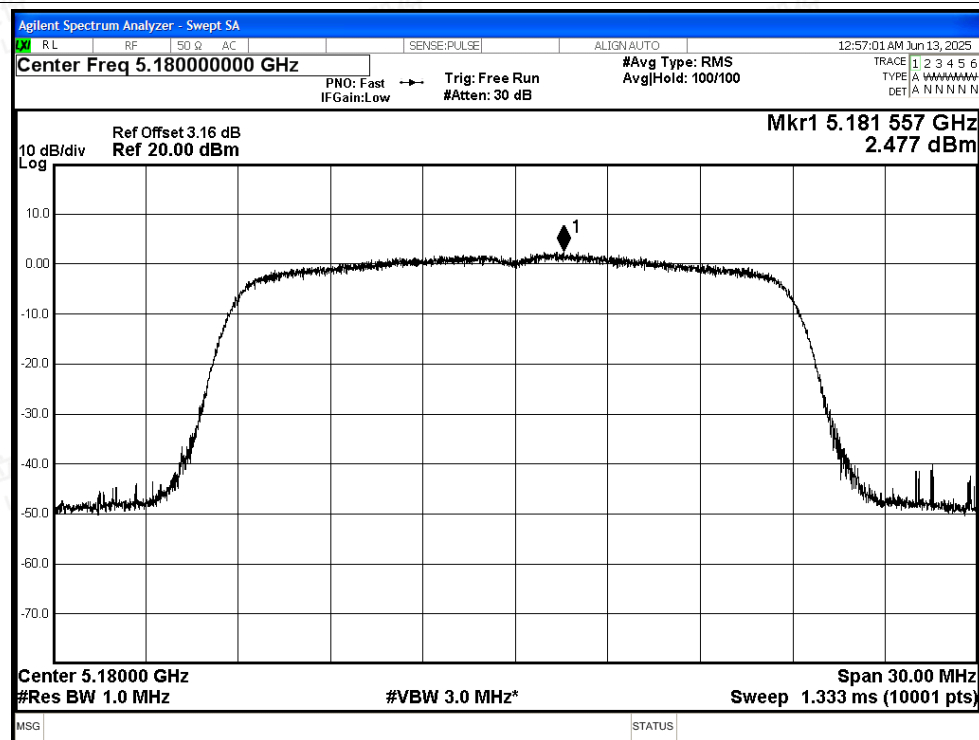
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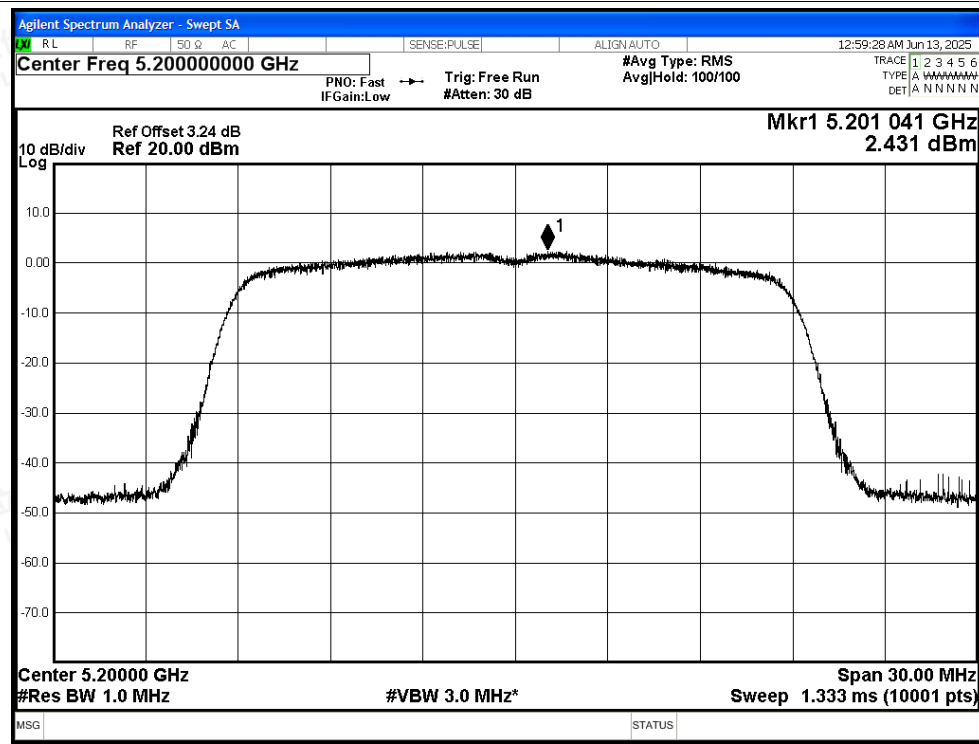
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PSD NVNT ac20 5180MHz Ant2



PSD NVNT ac20 5200MHz Ant2



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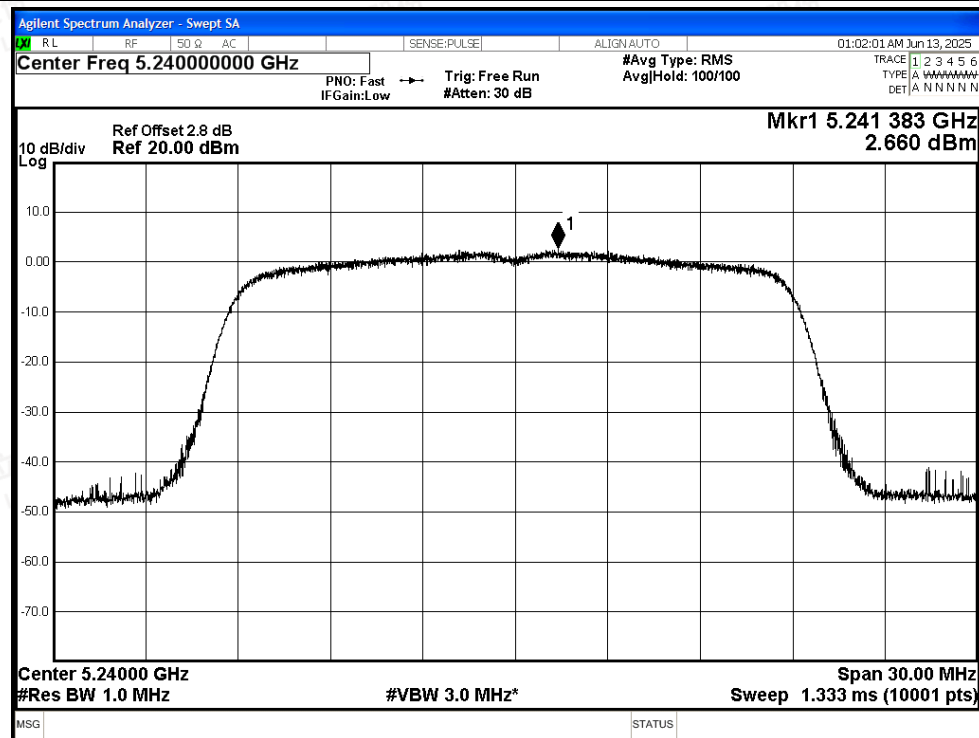
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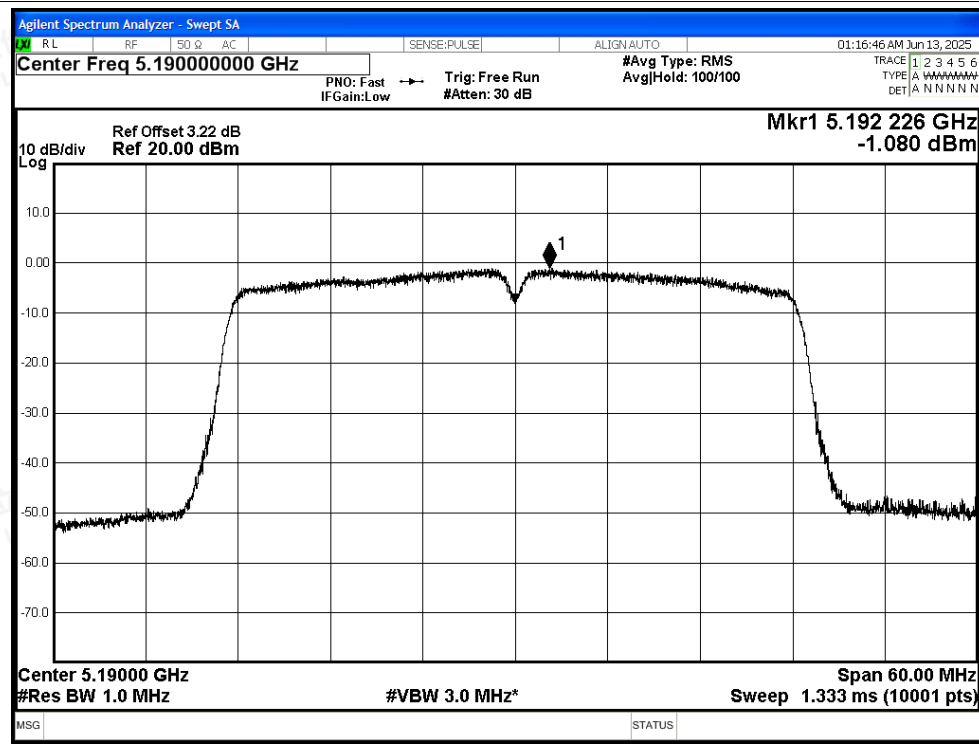
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PSD NVNT ac20 5240MHz Ant2



PSD NVNT ac40 5190MHz Ant2



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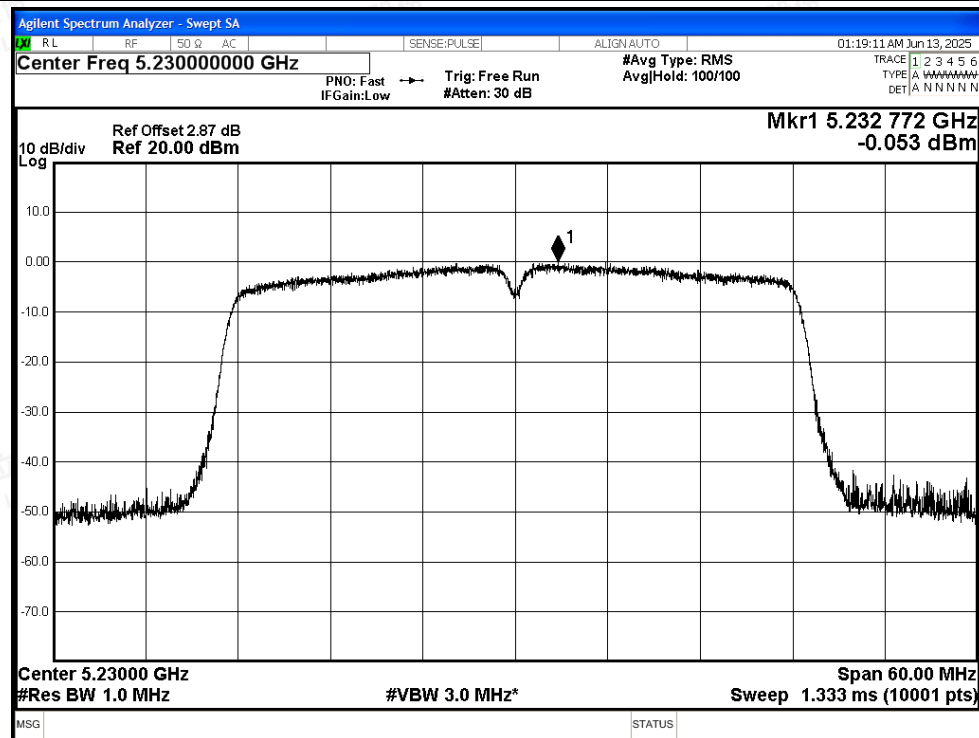
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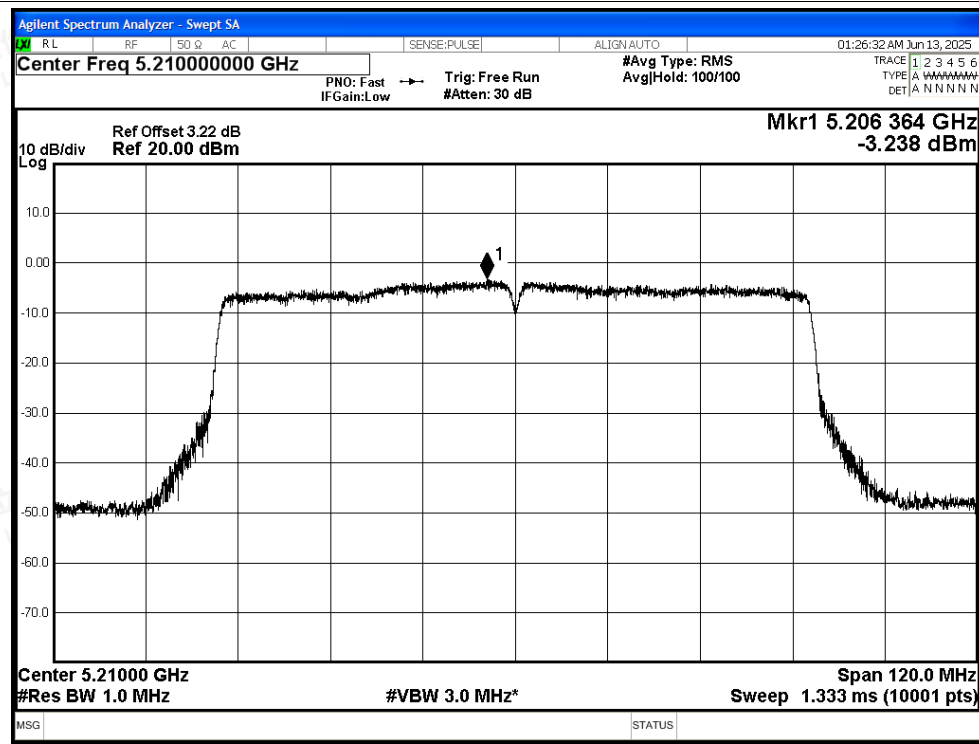
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PSD NVNT ac40 5230MHz Ant2



PSD NVNT ac80 5210MHz Ant2



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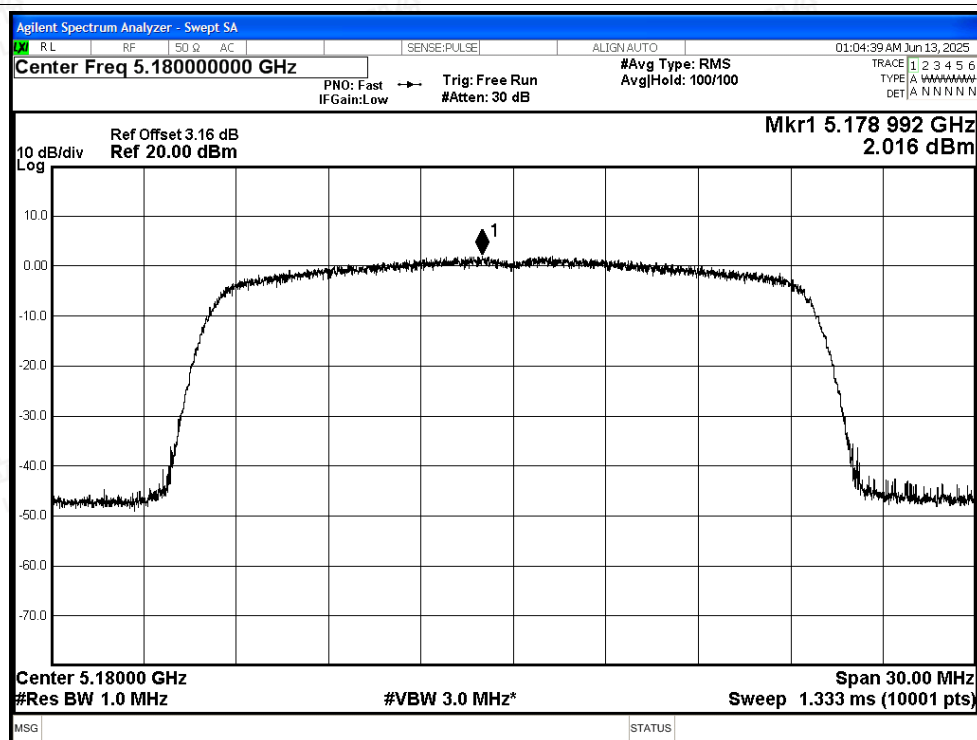
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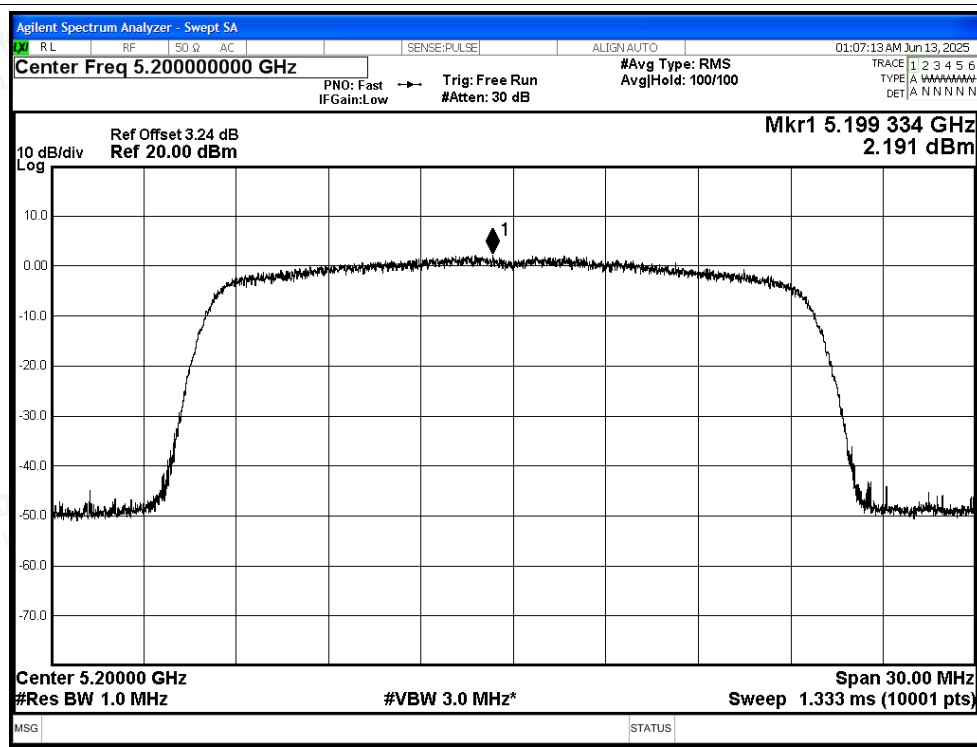
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PSD NVNT ax20 5180MHz Ant2



PSD NVNT ax20 5200MHz Ant2



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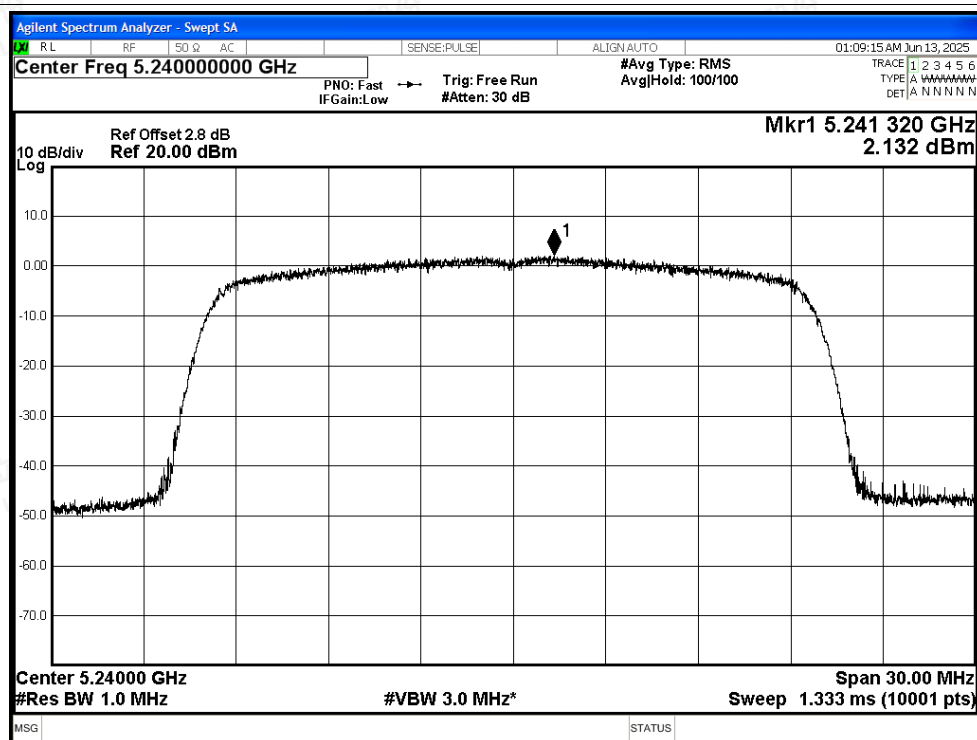
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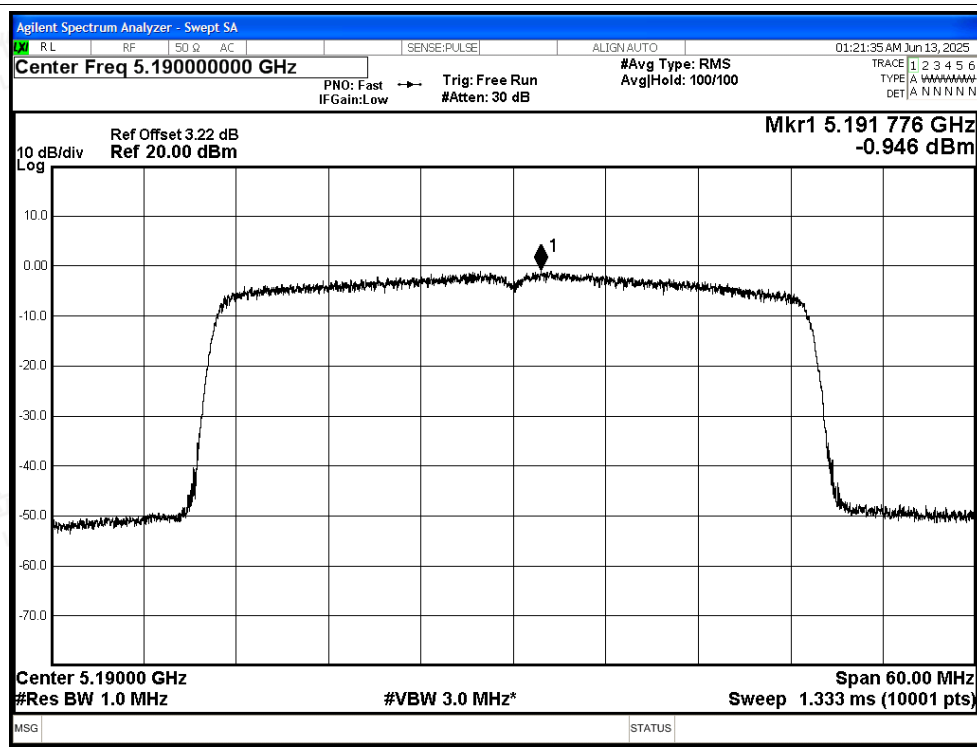
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PSD NVNT ax20 5240MHz Ant2



PSD NVNT ax40 5190MHz Ant2



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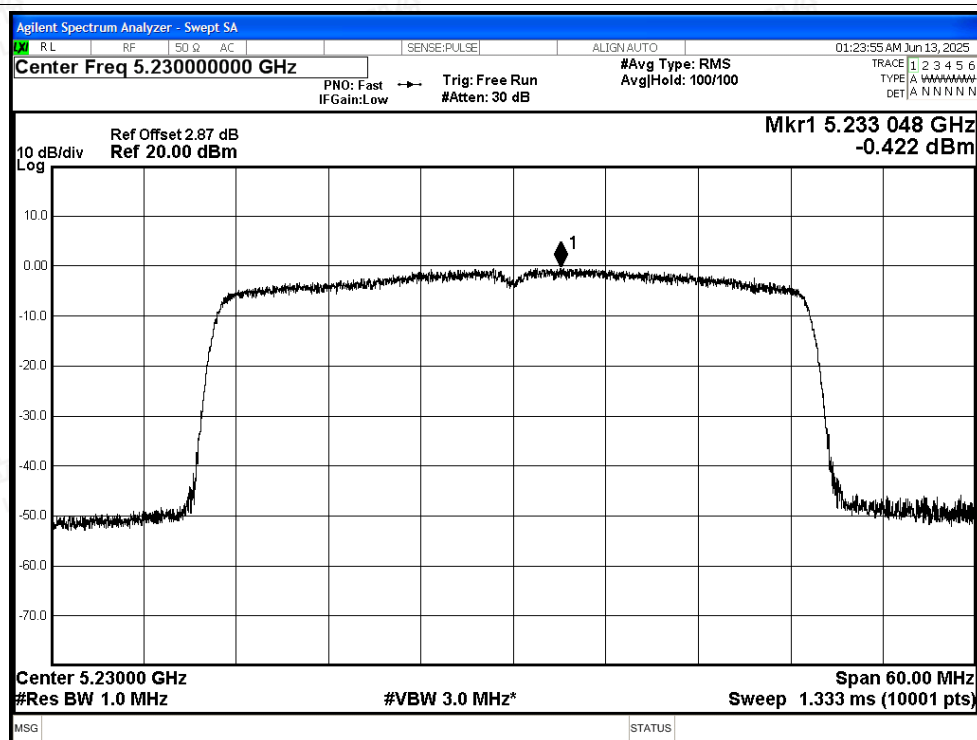
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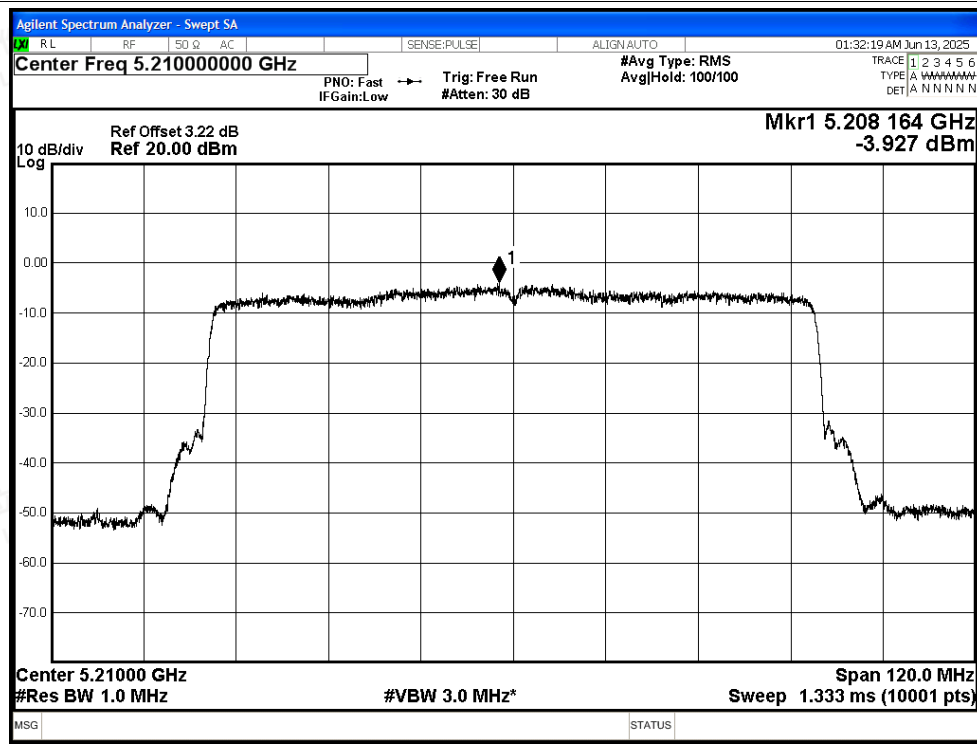
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PSD NVNT ax40 5230MHz Ant2



PSD NVNT ax80 5210MHz Ant2



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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	Ant1	4500	-51.56	2.20	-	45.87	Peak	68.2	Pass
NVNT	a	5180	Ant1	4500	-58.66	2.20	0.31	39.08	Average	54	Pass
NVNT	a	5180	Ant1	5008.9	-46.23	2.20	-	51.20	Peak	68.2	Pass
NVNT	a	5180	Ant1	5103.4	-56.18	2.20	0.31	41.56	Average	54	Pass
NVNT	a	5180	Ant1	5150	-47.71	2.20	-	49.72	Peak	68.2	Pass
NVNT	a	5180	Ant1	5150	-56.22	2.20	0.31	41.52	Average	54	Pass
NVNT	a	5240	Ant1	5350	-49.92	2.20	-	47.51	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350	-58.01	2.20	0.31	39.73	Average	54	Pass
NVNT	a	5240	Ant1	5357.52	-47	2.20	-	50.43	Peak	68.2	Pass
NVNT	a	5240	Ant1	5378.88	-57.03	2.20	0.31	40.71	Average	54	Pass
NVNT	a	5240	Ant1	5460	-48.87	2.20	-	48.56	Peak	68.2	Pass
NVNT	a	5240	Ant1	5460	-58.21	2.20	0.31	39.53	Average	54	Pass
NVNT	n20	5180	Ant1	4500	-50.89	2.20	-	46.54	Peak	68.2	Pass
NVNT	n20	5180	Ant1	4500	-58.92	2.20	0.37	38.88	Average	54	Pass
NVNT	n20	5180	Ant1	5031.3	-46.59	2.20	-	50.84	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5149.6	-56.26	2.20	0.37	41.54	Average	54	Pass
NVNT	n20	5180	Ant1	5150	-48.66	2.20	-	48.77	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5150	-56.64	2.20	0.37	41.16	Average	54	Pass
NVNT	n20	5240	Ant1	5350	-49.69	2.20	-	47.74	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350	-58.35	2.20	0.37	39.45	Average	54	Pass
NVNT	n20	5240	Ant1	5380.8	-47.15	2.20	-	50.28	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5370.72	-57.12	2.20	0.37	40.68	Average	54	Pass
NVNT	n20	5240	Ant1	5460	-49.3	2.20	-	48.13	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5460	-58.2	2.20	0.37	39.60	Average	54	Pass
NVNT	n40	5190	Ant1	4500	-51.24	2.20	-	46.19	Peak	68.2	Pass
NVNT	n40	5190	Ant1	4500	-58.79	2.20	0.71	39.35	Average	54	Pass
NVNT	n40	5190	Ant1	5091.3	-46.9	2.20	-	50.53	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5149.7	-55.94	2.20	0.71	42.20	Average	54	Pass
NVNT	n40	5190	Ant1	5150	-47.53	2.20	-	49.90	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5150	-55.94	2.20	0.71	42.20	Average	54	Pass
NVNT	n40	5230	Ant1	5350	-49.72	2.20	-	47.71	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350	-57.39	2.20	0.71	40.75	Average	54	Pass
NVNT	n40	5230	Ant1	5379.27	-46.49	2.20	-	50.94	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5364.42	-56.92	2.20	0.71	41.22	Average	54	Pass
NVNT	n40	5230	Ant1	5460	-50.63	2.20	-	46.80	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5460	-58.74	2.20	0.71	39.40	Average	54	Pass



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NVNT	ac20	5180	Ant1	4500	-50.13	2.20	-	47.30	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	4500	-58.82	2.20	0.36	38.97	Average	54	Pass
NVNT	ac20	5180	Ant1	5120.9	-46.27	2.20	-	51.16	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5092.2	-56.46	2.20	0.36	41.33	Average	54	Pass
NVNT	ac20	5180	Ant1	5150	-47.14	2.20	-	50.29	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5150	-56.84	2.20	0.36	40.95	Average	54	Pass
NVNT	ac20	5240	Ant1	5350	-48	2.20	-	49.43	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350	-58.17	2.20	0.37	39.63	Average	54	Pass
NVNT	ac20	5240	Ant1	5418	-46.73	2.20	-	50.70	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5392.08	-57.03	2.20	0.37	40.77	Average	54	Pass
NVNT	ac20	5240	Ant1	5460	-51.13	2.20	-	46.30	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5460	-58.15	2.20	0.37	39.65	Average	54	Pass
NVNT	ac40	5190	Ant1	4500	-51.94	2.20	-	45.49	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	4500	-58.48	2.20	0.71	39.66	Average	54	Pass
NVNT	ac40	5190	Ant1	5046.04	-46.14	2.20	-	51.29	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5149.7	-56.06	2.20	0.71	42.08	Average	54	Pass
NVNT	ac40	5190	Ant1	5150	-47.84	2.20	-	49.59	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5150	-56.06	2.20	0.71	42.08	Average	54	Pass
NVNT	ac40	5230	Ant1	5350	-49.96	2.20	-	47.47	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350	-58.01	2.20	0.71	40.13	Average	54	Pass
NVNT	ac40	5230	Ant1	5435.43	-46.94	2.20	-	50.49	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5356.59	-56.91	2.20	0.71	41.23	Average	54	Pass
NVNT	ac40	5230	Ant1	5460	-48.35	2.20	-	49.08	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5460	-58.03	2.20	0.71	40.11	Average	54	Pass
NVNT	ac80	5210	Ant1	5350	-42.64	2.20	-	54.79	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5350	-55.73	2.20	1.31	43.01	Average	54	Pass
NVNT	ac80	5210	Ant1	5350.44	-40.3	2.20	-	57.13	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5356.38	-54.17	2.20	1.31	44.57	Average	54	Pass
NVNT	ac80	5210	Ant1	5460	-48.48	2.20	-	48.95	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5460	-57.93	2.20	1.31	40.81	Average	54	Pass
NVNT	ac80	5210	Ant1	4500	-49.32	2.20	-	48.11	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	4500	-58.75	2.20	1.31	39.99	Average	54	Pass
NVNT	ac80	5210	Ant1	5139.11	-46.23	2.20	-	51.20	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5140.69	-55.84	2.20	1.31	42.90	Average	54	Pass
NVNT	ac80	5210	Ant1	5150	-48.77	2.20	-	48.66	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5150	-56.33	2.20	1.31	42.41	Average	54	Pass
NVNT	ax20	5180	Ant1	4500	-49.47	2.20	-	47.96	Peak	68.2	Pass
NVNT	ax20	5180	Ant1	4500	-58.56	2.20	0.42	39.29	Average	54	Pass
NVNT	ax20	5180	Ant1	5125.1	-46.48	2.20	-	50.95	Peak	68.2	Pass
NVNT	ax20	5180	Ant1	5147.5	-56.12	2.20	0.42	41.73	Average	54	Pass
NVNT	ax20	5180	Ant1	5150	-48.3	2.20	-	49.13	Peak	68.2	Pass



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NVNT	ax20	5180	Ant1	5150	-57.04	2.20	0.42	40.81	Average	54	Pass
NVNT	ax20	5240	Ant1	5350	-50.71	2.20	-	46.72	Peak	68.2	Pass
NVNT	ax20	5240	Ant1	5350	-58.75	2.20	0.43	39.11	Average	54	Pass
NVNT	ax20	5240	Ant1	5377.44	-46.8	2.20	-	50.63	Peak	68.2	Pass
NVNT	ax20	5240	Ant1	5372.16	-57.08	2.20	0.43	40.78	Average	54	Pass
NVNT	ax20	5240	Ant1	5460	-51.3	2.20	-	46.13	Peak	68.2	Pass
NVNT	ax20	5240	Ant1	5460	-58.09	2.20	0.43	39.77	Average	54	Pass
NVNT	ax40	5190	Ant1	4500	-48.03	2.20	-	49.40	Peak	68.2	Pass
NVNT	ax40	5190	Ant1	4500	-58.34	2.20	0.78	39.87	Average	54	Pass
NVNT	ax40	5190	Ant1	5147.51	-45.14	2.20	-	52.29	Peak	68.2	Pass
NVNT	ax40	5190	Ant1	5146.78	-56.18	2.20	0.78	42.03	Average	54	Pass
NVNT	ax40	5190	Ant1	5150	-48.85	2.20	-	48.58	Peak	68.2	Pass
NVNT	ax40	5190	Ant1	5150	-56.21	2.20	0.78	42.00	Average	54	Pass
NVNT	ax40	5230	Ant1	5350	-49.57	2.20	-	47.86	Peak	68.2	Pass
NVNT	ax40	5230	Ant1	5350	-57.34	2.20	0.78	40.87	Average	54	Pass
NVNT	ax40	5230	Ant1	5454.06	-46.91	2.20	-	50.52	Peak	68.2	Pass
NVNT	ax40	5230	Ant1	5379.54	-56.99	2.20	0.78	41.22	Average	54	Pass
NVNT	ax40	5230	Ant1	5460	-48.94	2.20	-	48.49	Peak	68.2	Pass
NVNT	ax40	5230	Ant1	5460	-58.7	2.20	0.78	39.51	Average	54	Pass
NVNT	ax80	5210	Ant1	5350	-46.24	2.20	-	51.19	Peak	68.2	Pass
NVNT	ax80	5210	Ant1	5350	-55.11	2.20	1.31	43.63	Average	54	Pass
NVNT	ax80	5210	Ant1	5354.07	-41.04	2.20	-	56.39	Peak	68.2	Pass
NVNT	ax80	5210	Ant1	5359.02	-55.08	2.20	1.31	43.66	Average	54	Pass
NVNT	ax80	5210	Ant1	5460	-47.9	2.20	-	49.53	Peak	68.2	Pass
NVNT	ax80	5210	Ant1	5460	-57.32	2.20	1.31	41.42	Average	54	Pass
NVNT	ax80	5210	Ant1	4500	-49.27	2.20	-	48.16	Peak	68.2	Pass
NVNT	ax80	5210	Ant1	4500	-58.69	2.20	1.31	40.05	Average	54	Pass
NVNT	ax80	5210	Ant1	5146.22	-35.62	2.20	-	61.81	Peak	68.2	Pass
NVNT	ax80	5210	Ant1	5149.38	-55.88	2.20	1.31	42.86	Average	54	Pass
NVNT	ax80	5210	Ant1	5150	-47.28	2.20	-	50.15	Peak	68.2	Pass
NVNT	ax80	5210	Ant1	5150	-56.3	2.20	1.31	42.44	Average	54	Pass



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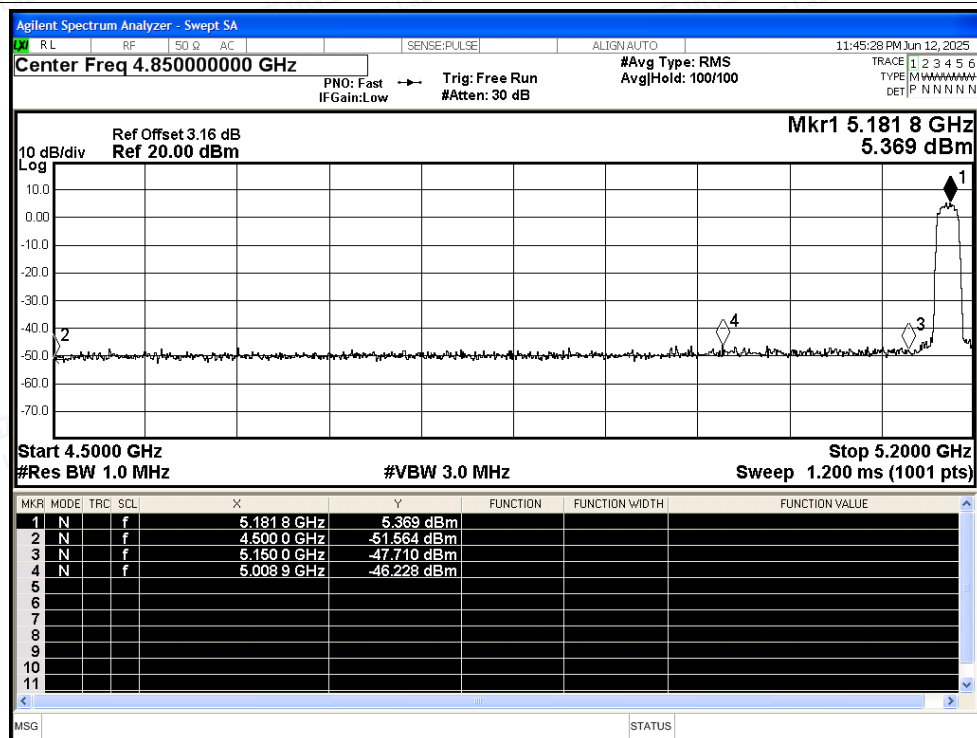
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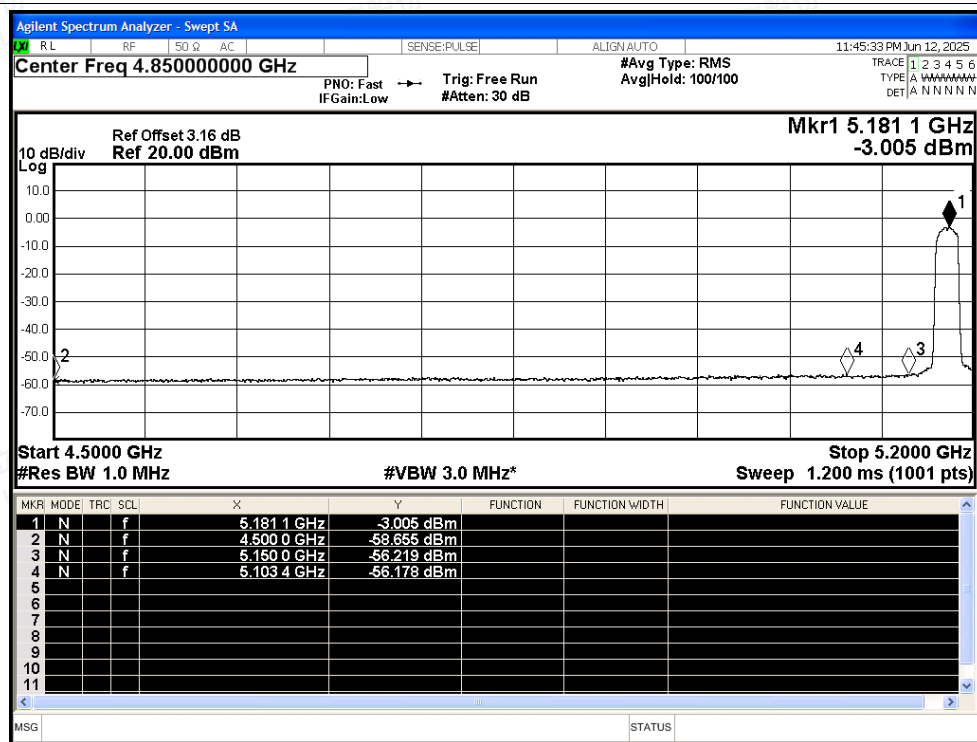


Test Graphs

Restrict Band NVNT a 5180MHz Ant1 Peak



Restrict Band NVNT a 5180MHz Ant1 Average



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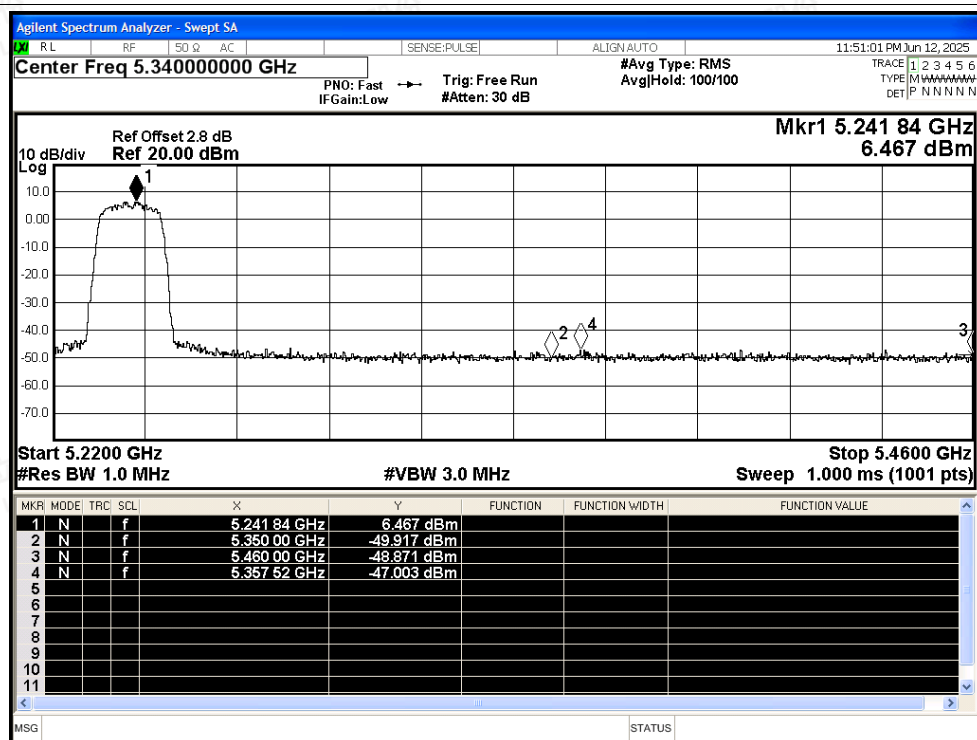
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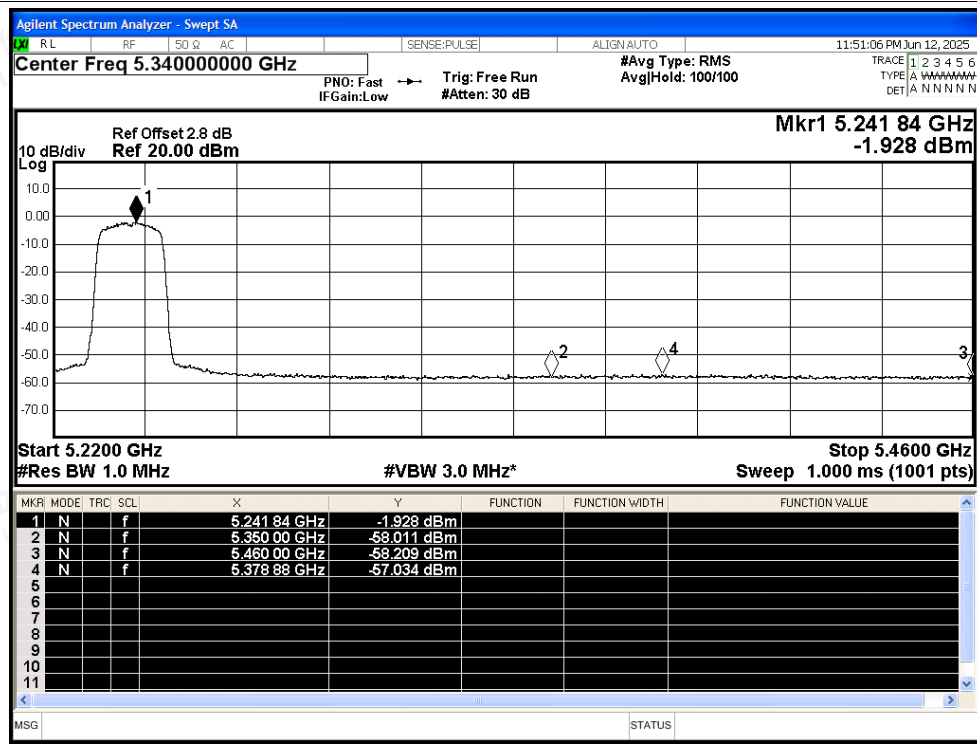
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Restrict Band NVNT a 5240MHz Ant1 Peak



Restrict Band NVNT a 5240MHz Ant1 Average



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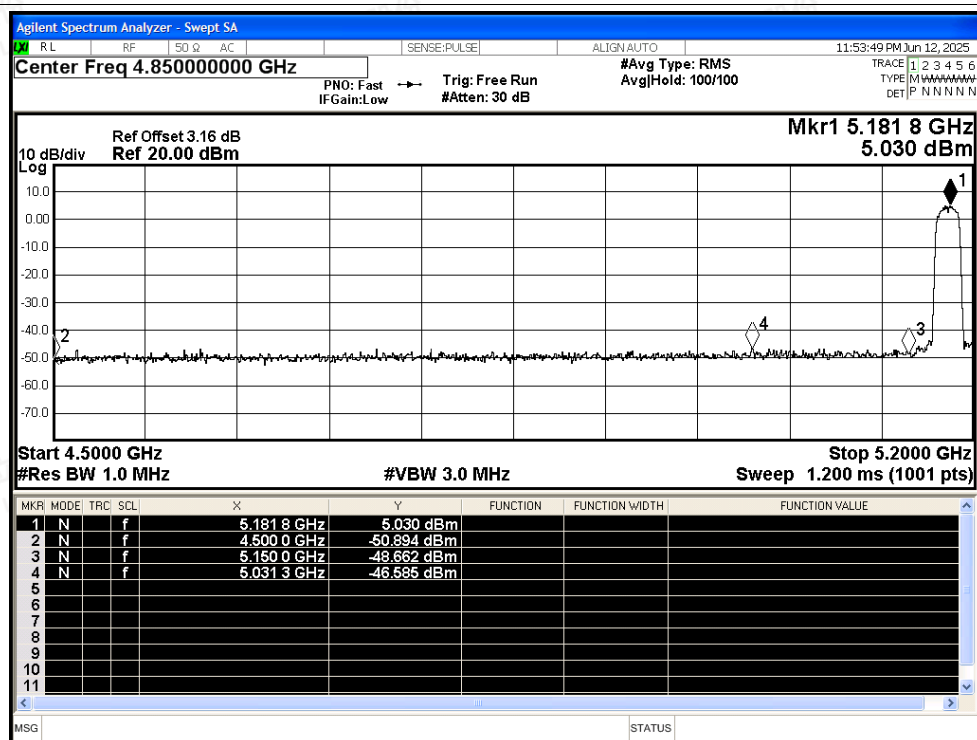
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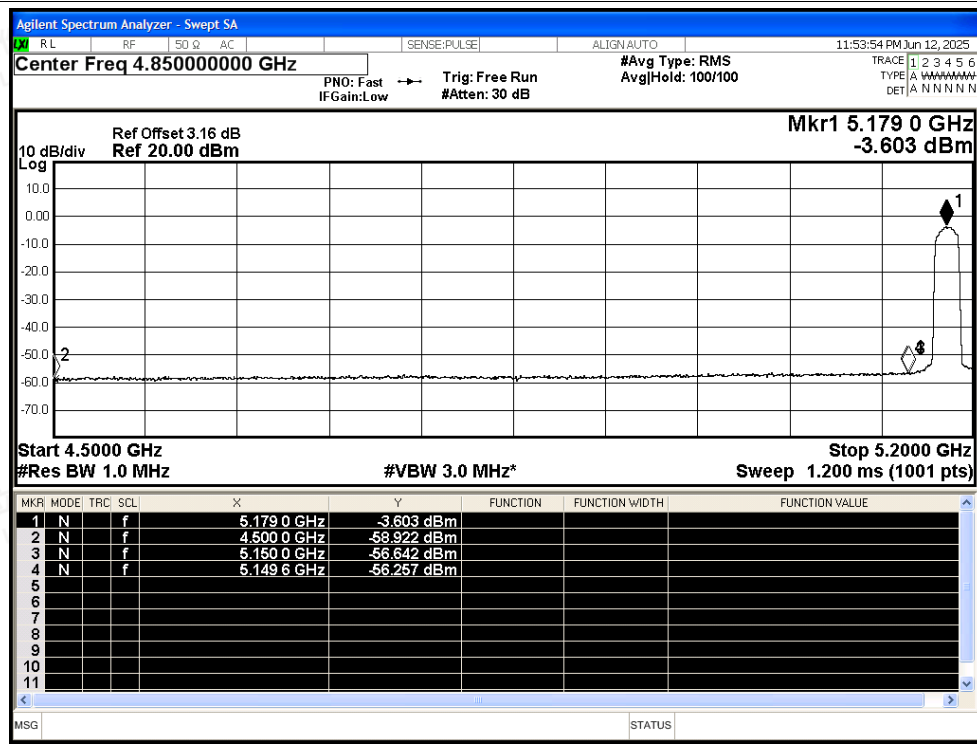
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Restrict Band NVNT n20 5180MHz Ant1 Peak



Restrict Band NVNT n20 5180MHz Ant1 Average



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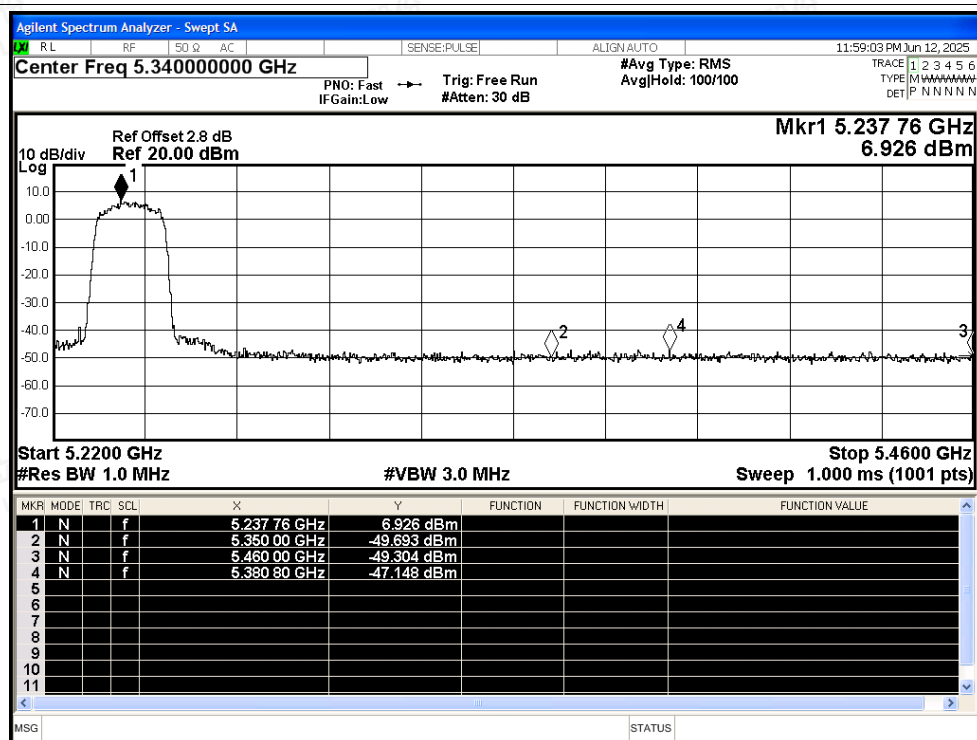
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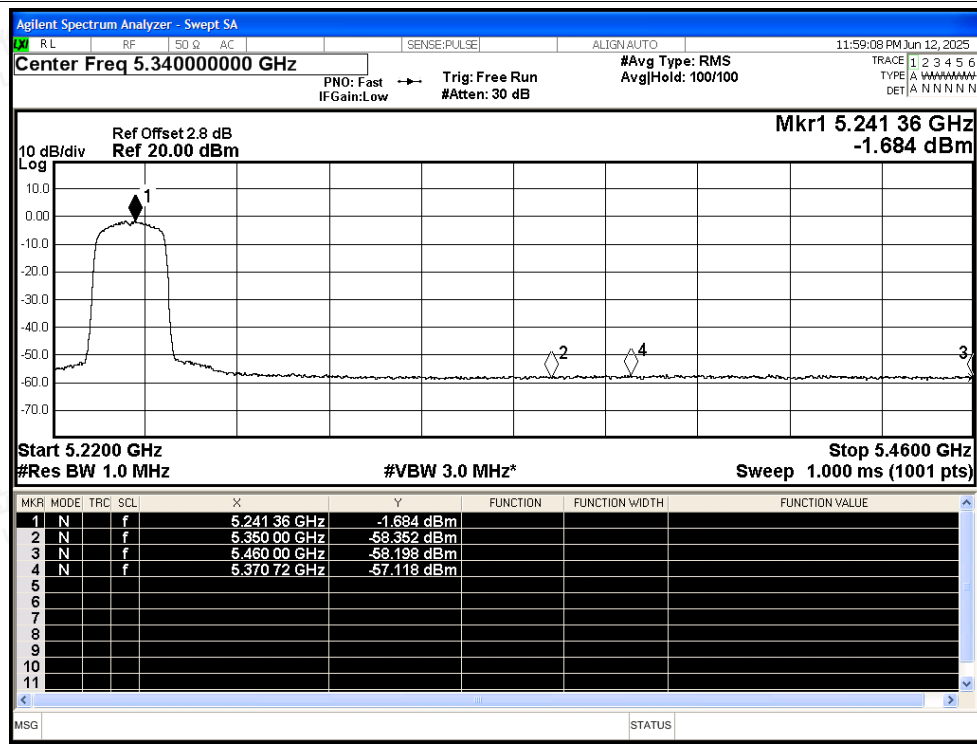
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Restrict Band NVNT n20 5240MHz Ant1 Peak



Restrict Band NVNT n20 5240MHz Ant1 Average



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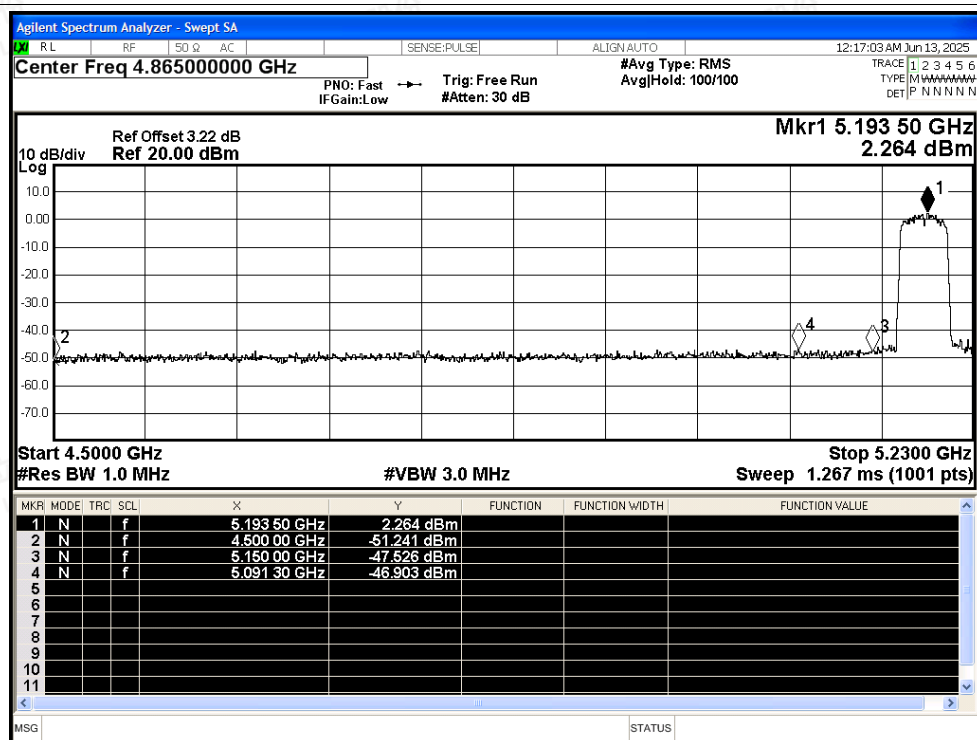
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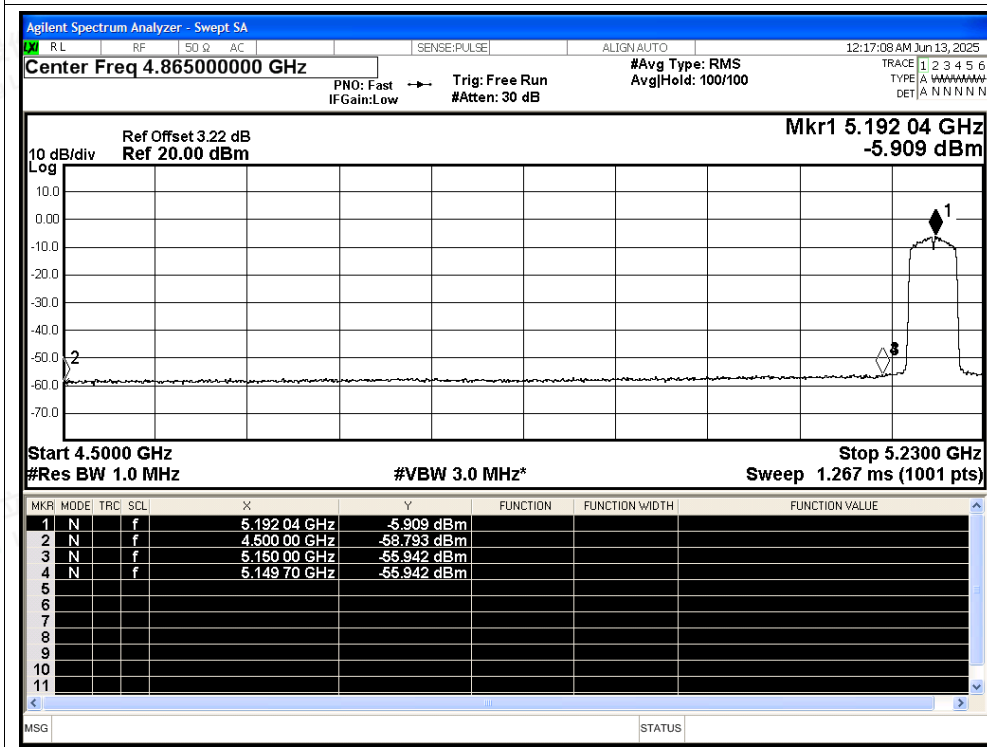
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Restrict Band NVNT n40 5190MHz Ant1 Peak



Restrict Band NVNT n40 5190MHz Ant1 Average



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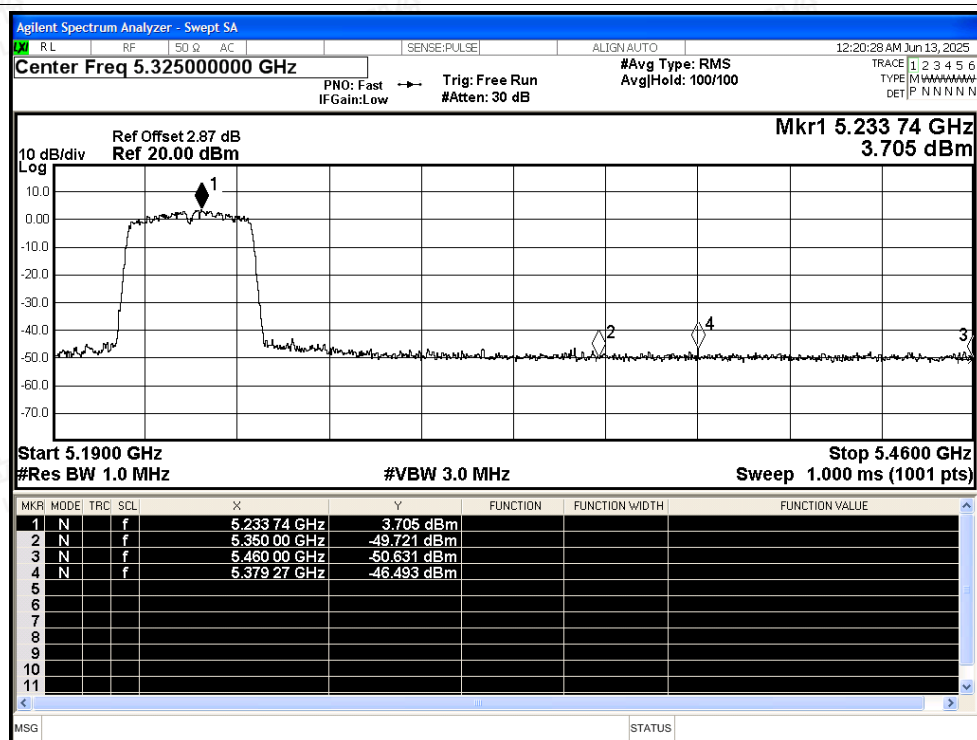
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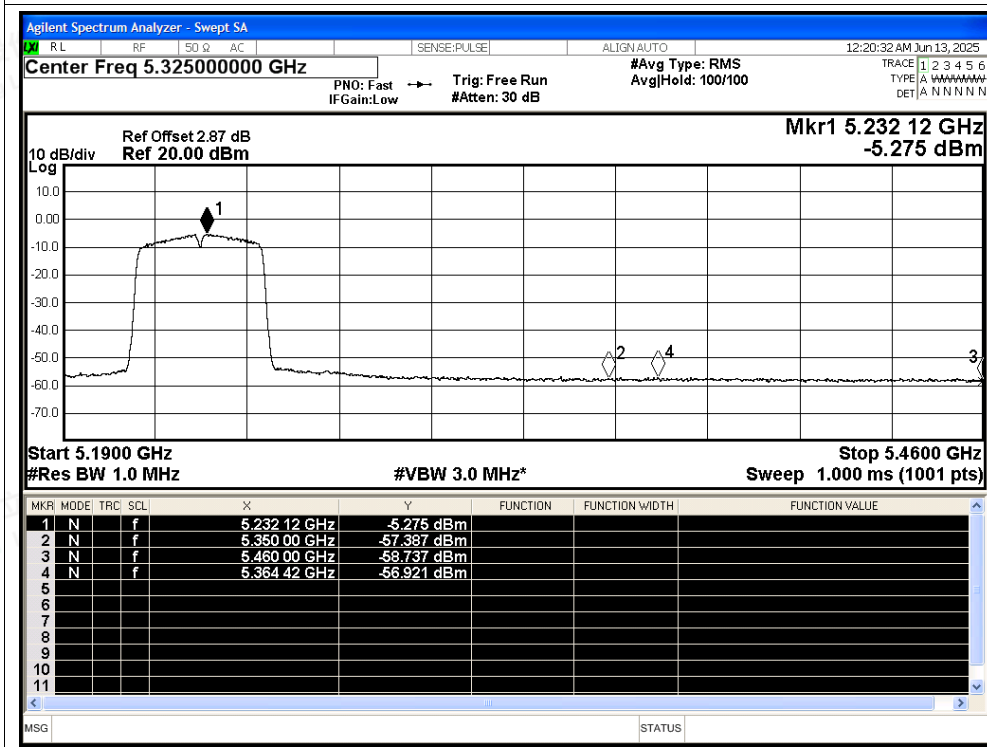
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Restrict Band NVNT n40 5230MHz Ant1 Peak



Restrict Band NVNT n40 5230MHz Ant1 Average



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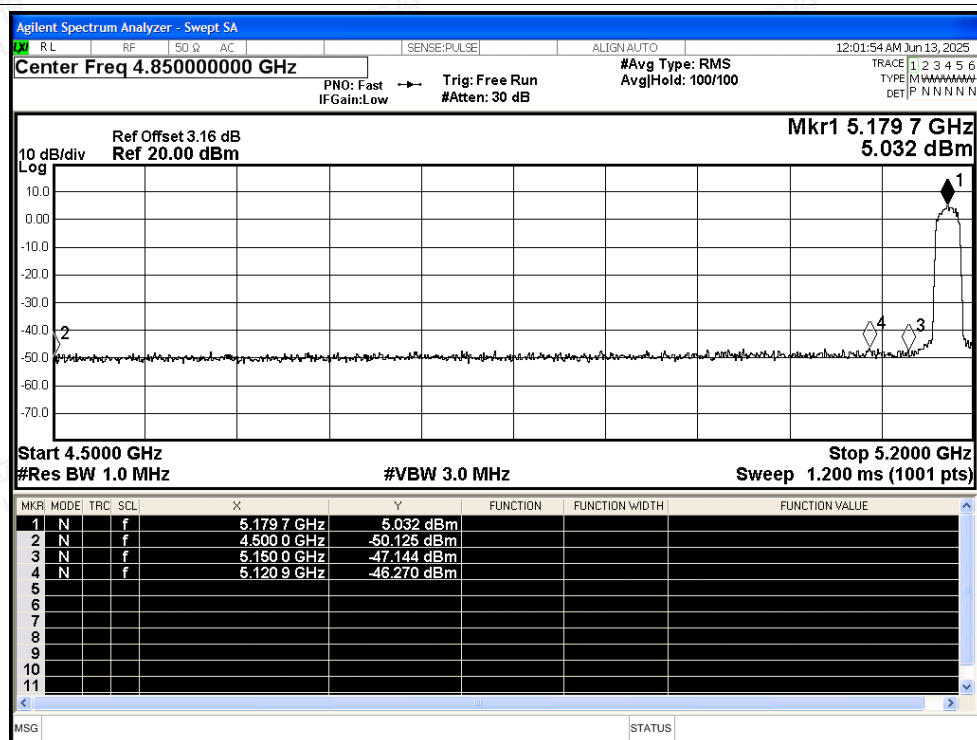
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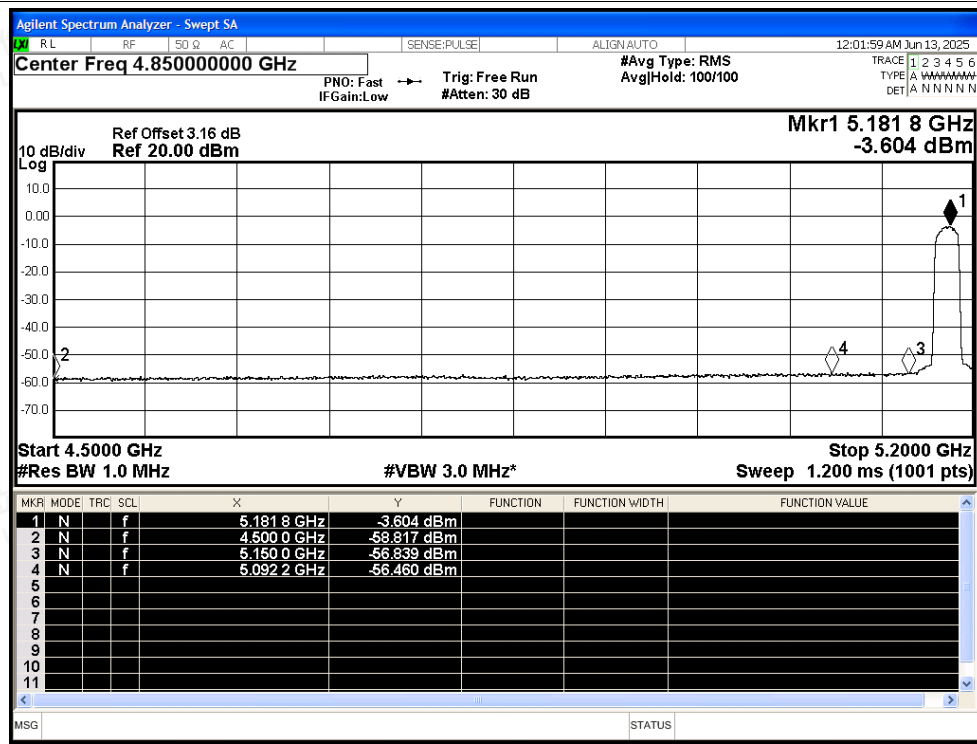
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Restrict Band NVNT ac20 5180MHz Ant1 Peak



Restrict Band NVNT ac20 5180MHz Ant1 Average



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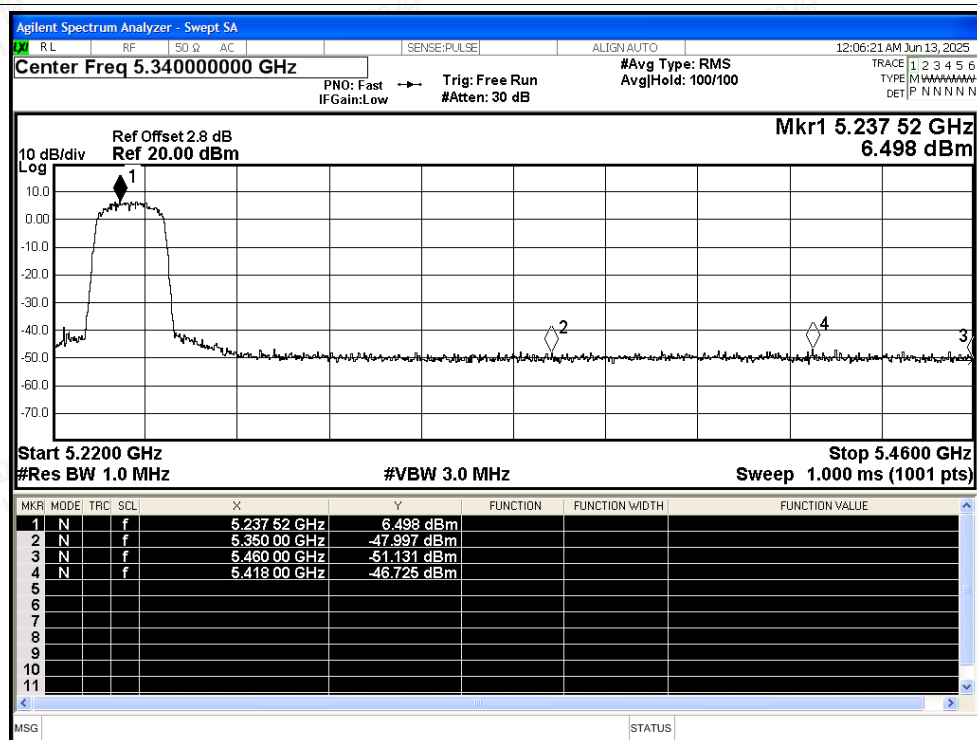
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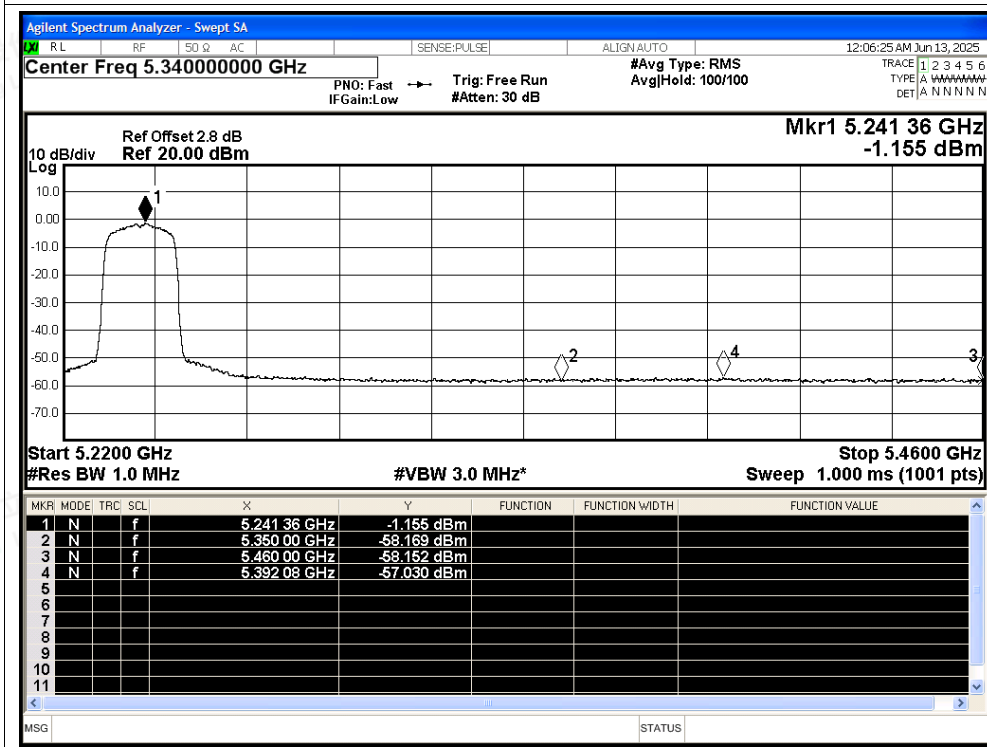
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Restrict Band NVNT ac20 5240MHz Ant1 Peak



Restrict Band NVNT ac20 5240MHz Ant1 Average



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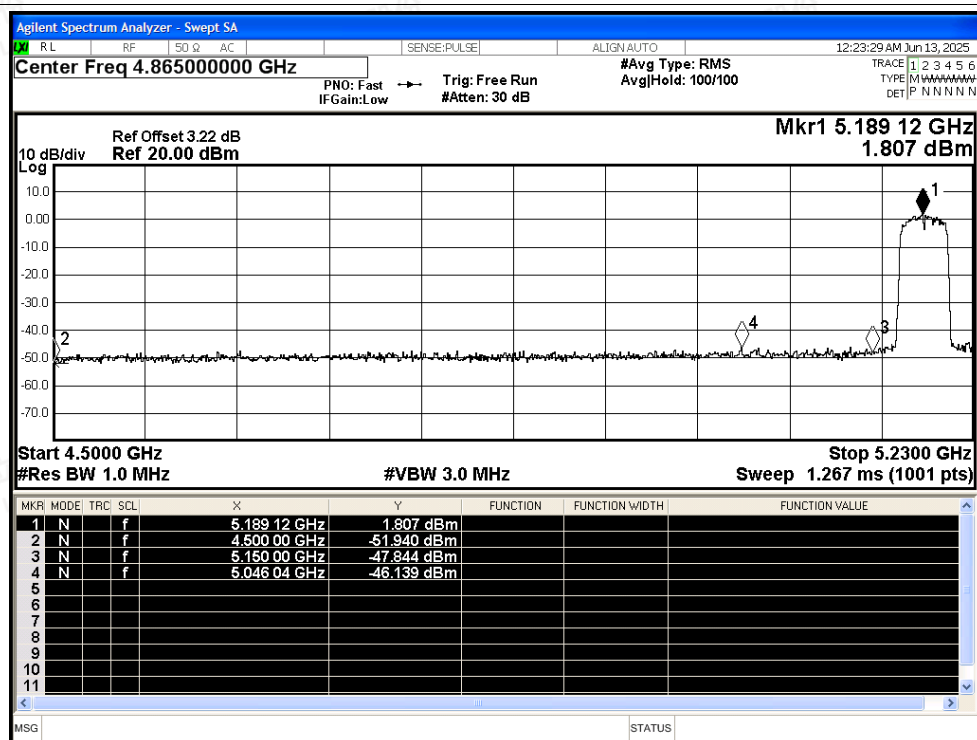
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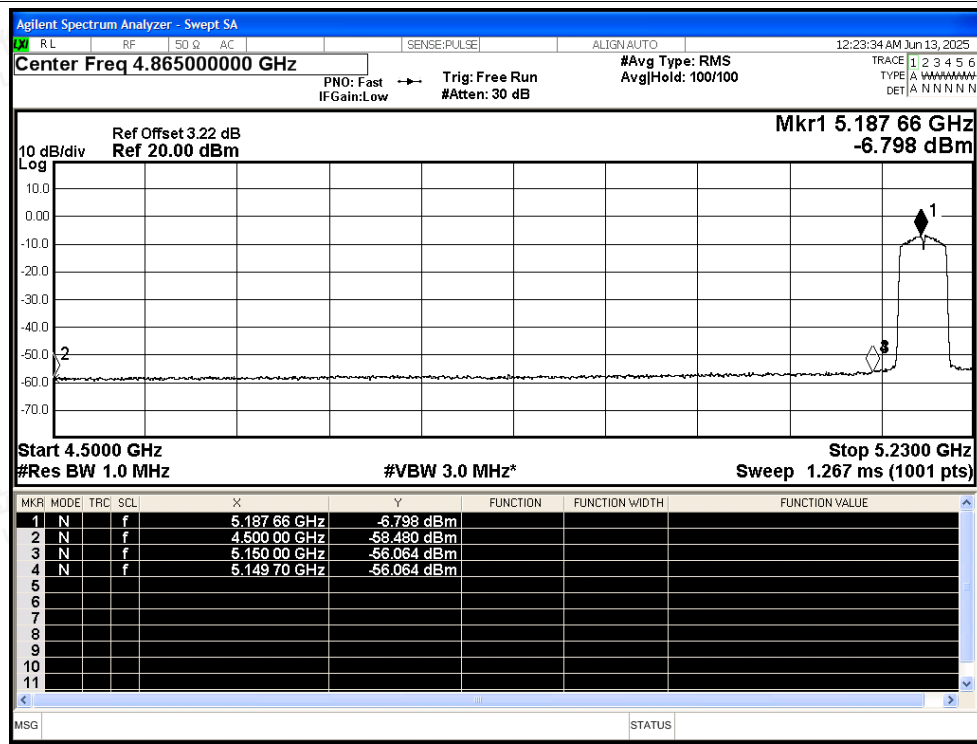
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Restrict Band NVNT ac40 5190MHz Ant1 Peak



Restrict Band NVNT ac40 5190MHz Ant1 Average



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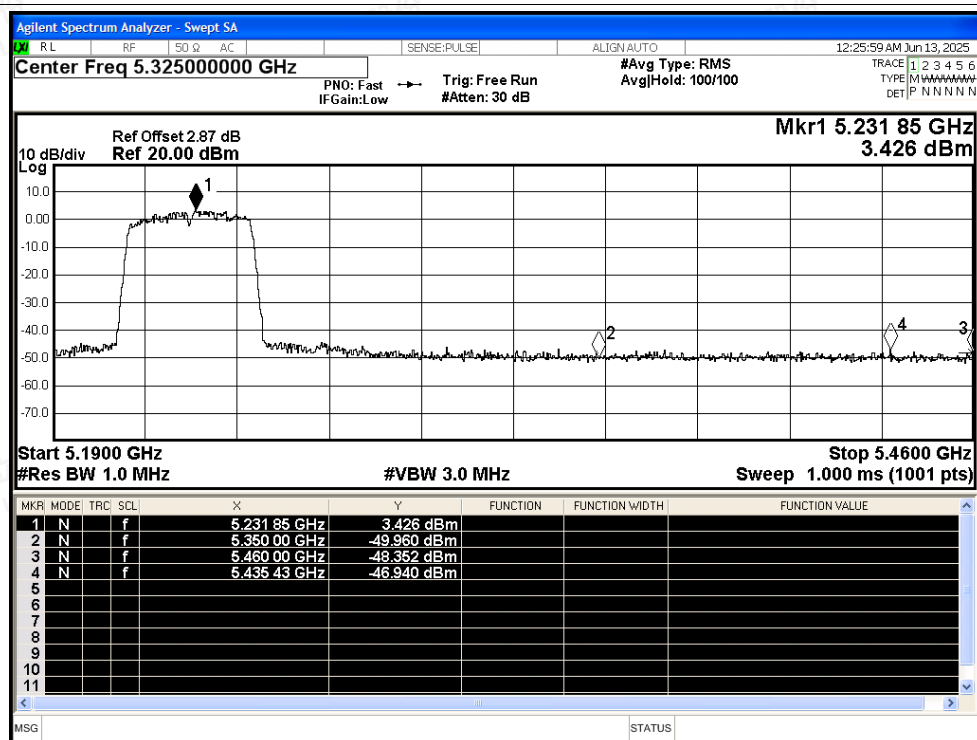
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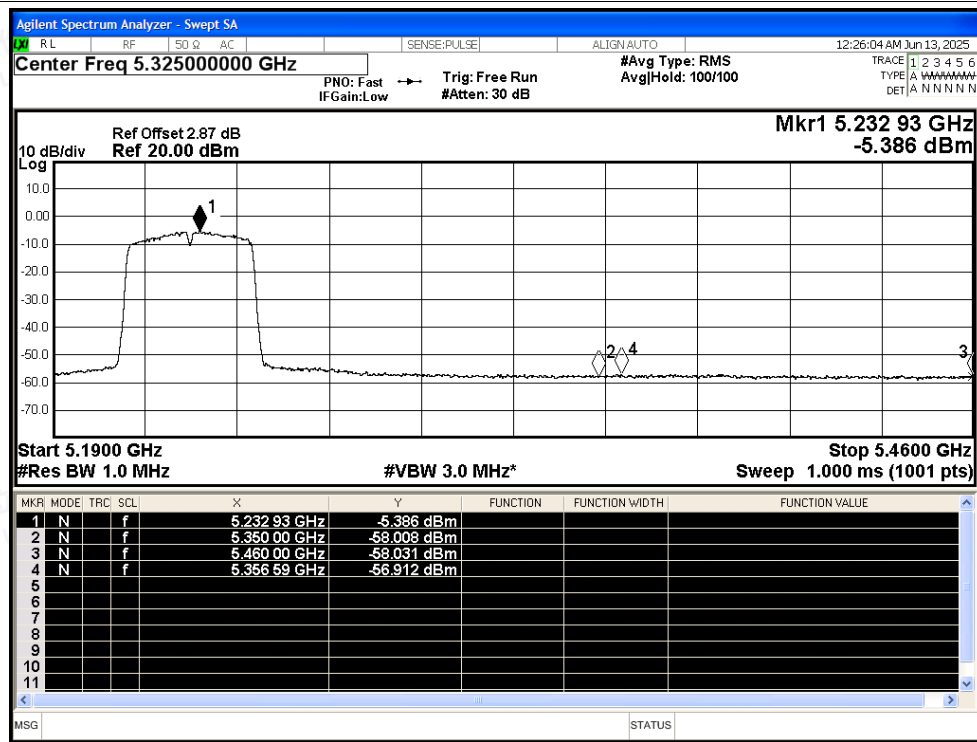
Scan code to check authenticity



Restrict Band NVNT ac40 5230MHz Ant1 Peak



Restrict Band NVNT ac40 5230MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

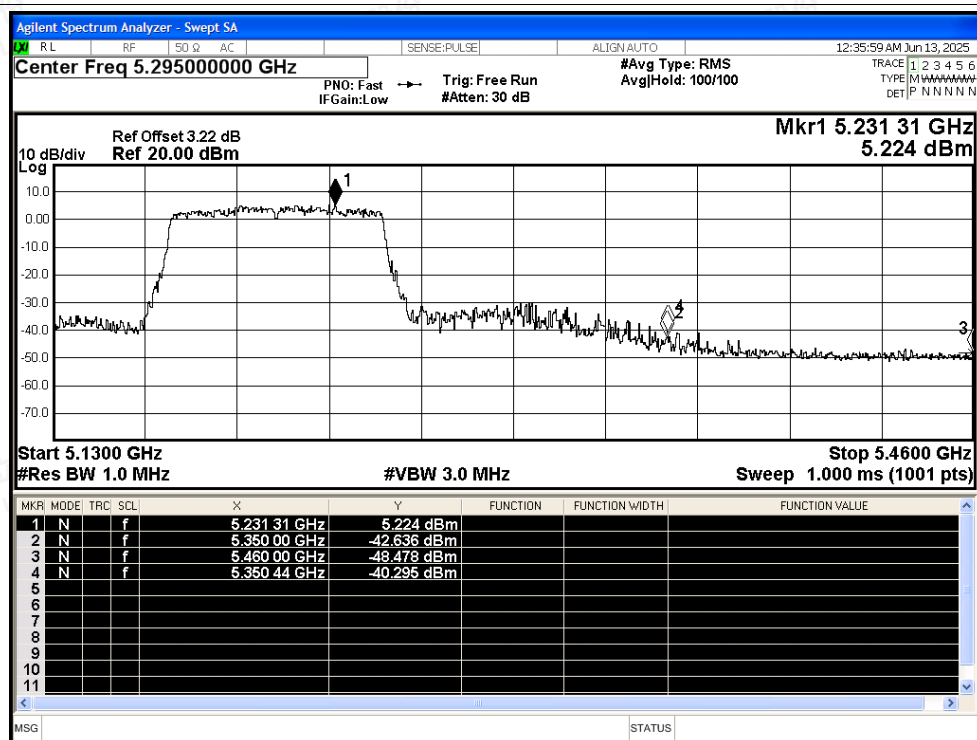
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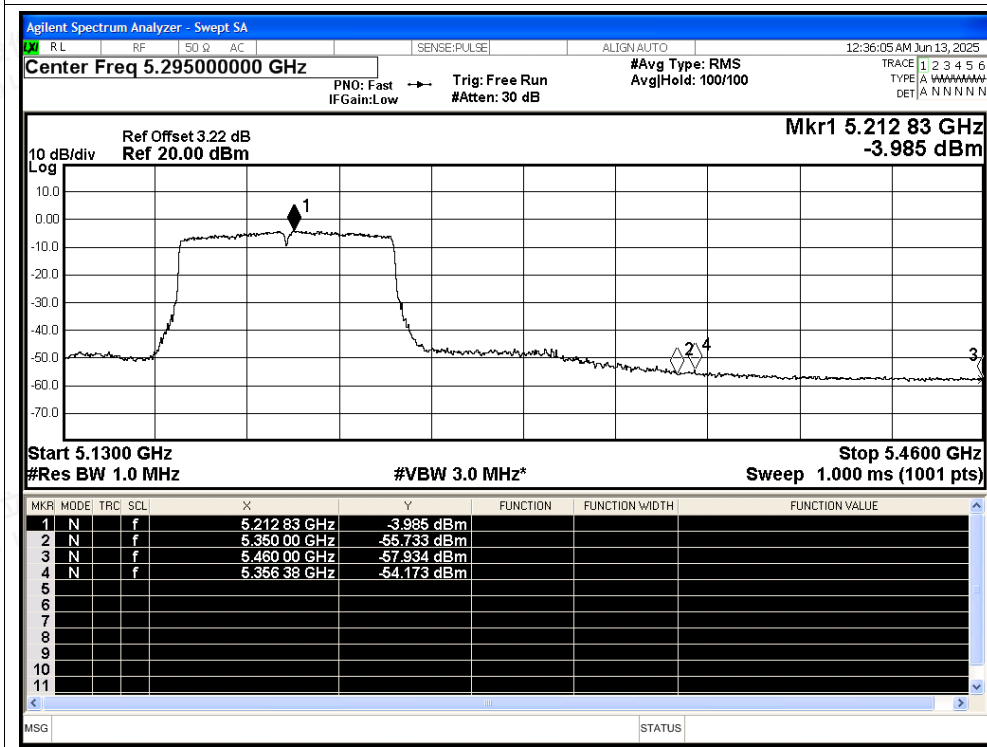
Scan code to check authenticity



Restrict Band NVNT ac80 5210MHz Ant1 Peak



Restrict Band NVNT ac80 5210MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

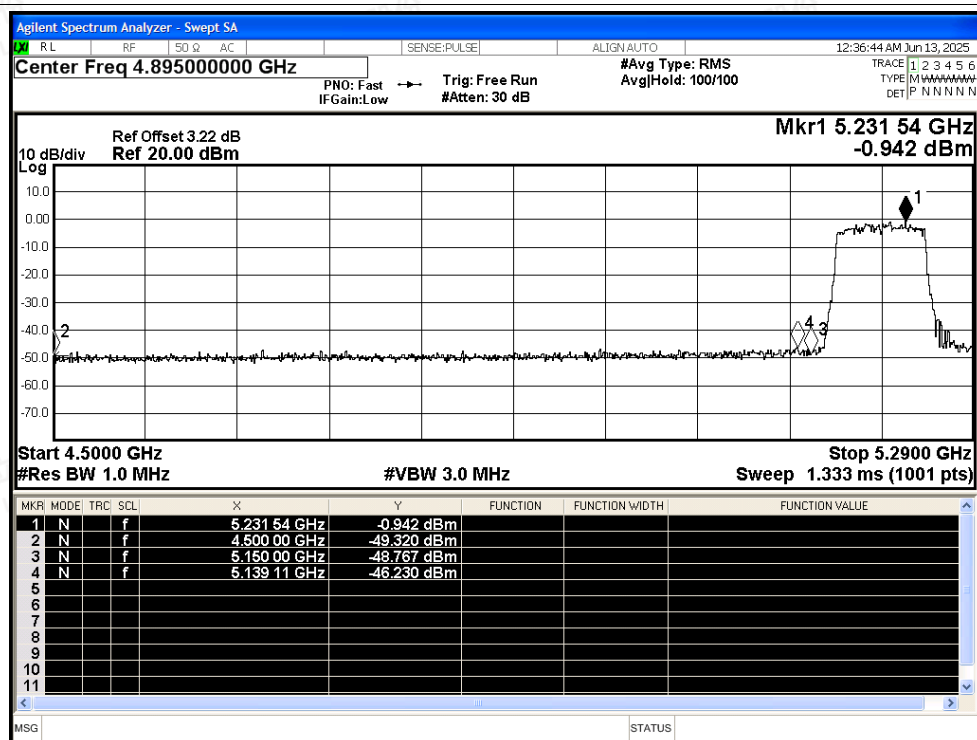
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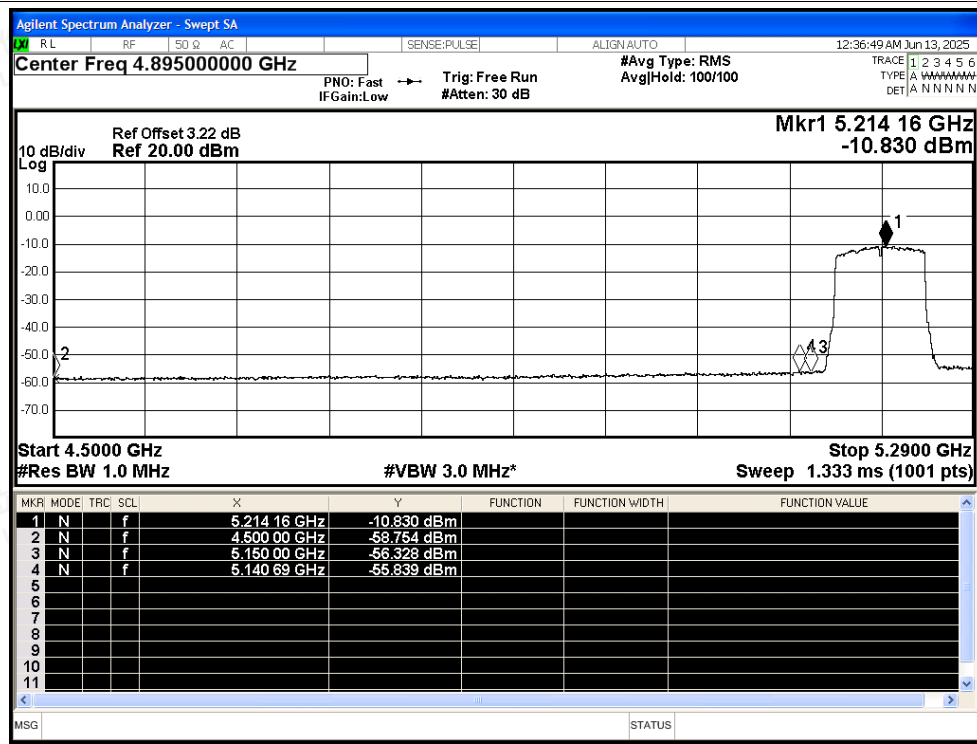
Scan code to check authenticity



Restrict Band NVNT ac80 5210MHz Ant1 Peak



Restrict Band NVNT ac80 5210MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

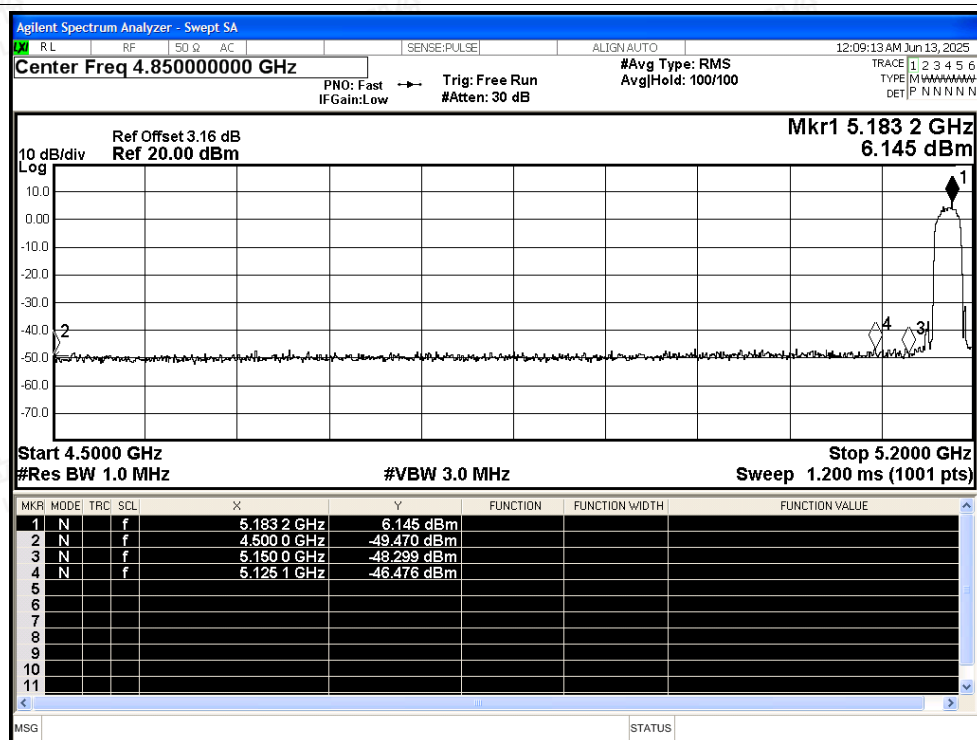
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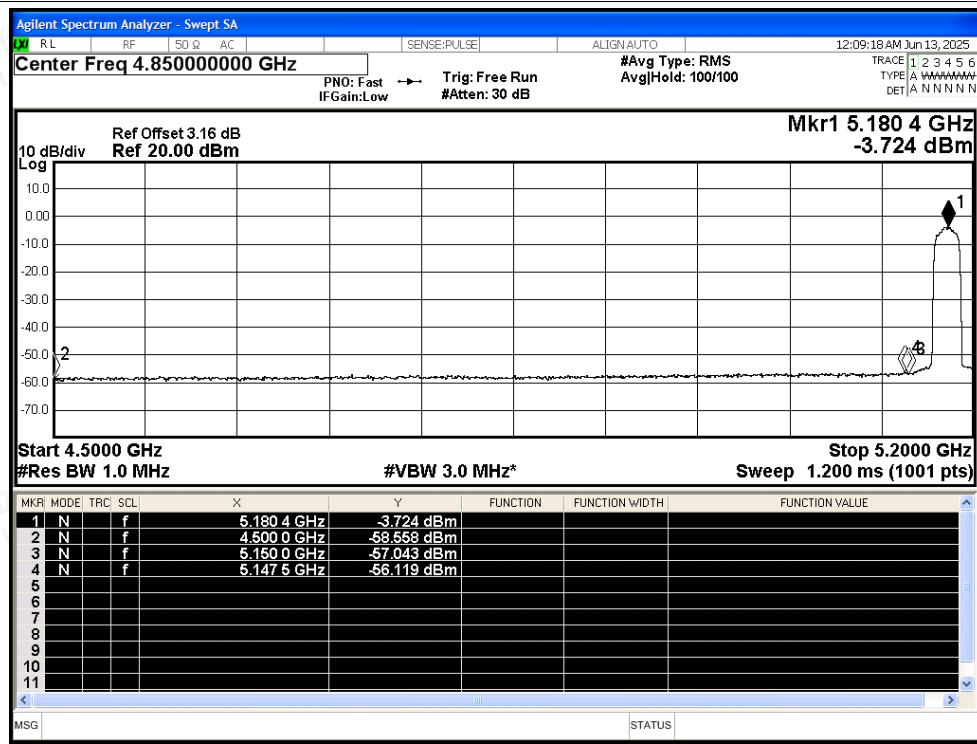
Scan code to check authenticity



Restrict Band NVNT ax20 5180MHz Ant1 Peak



Restrict Band NVNT ax20 5180MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

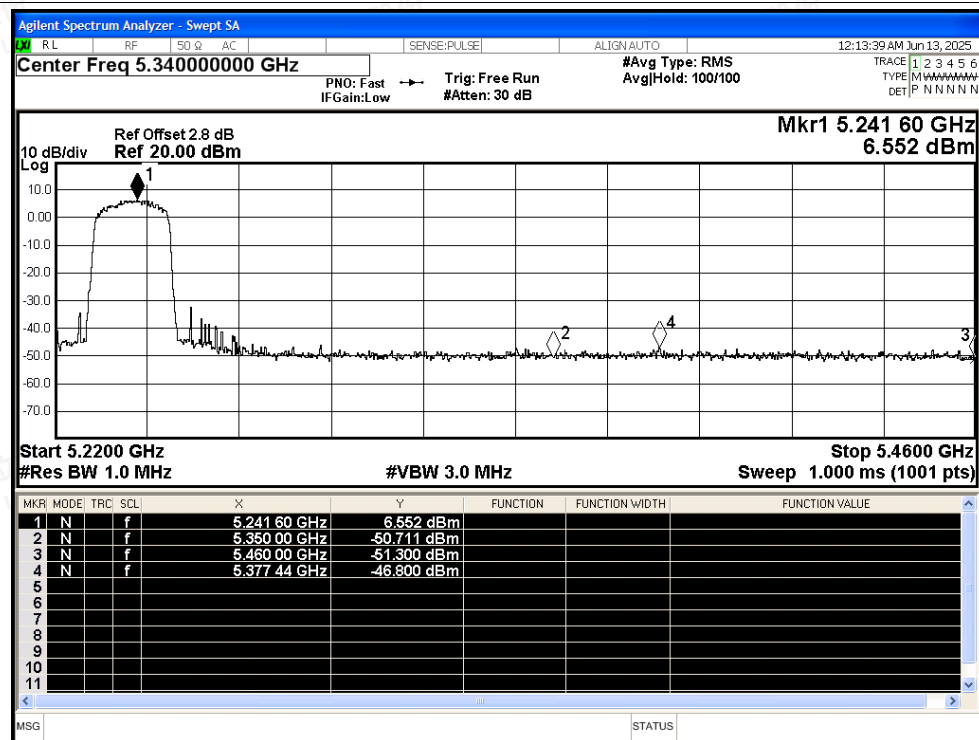
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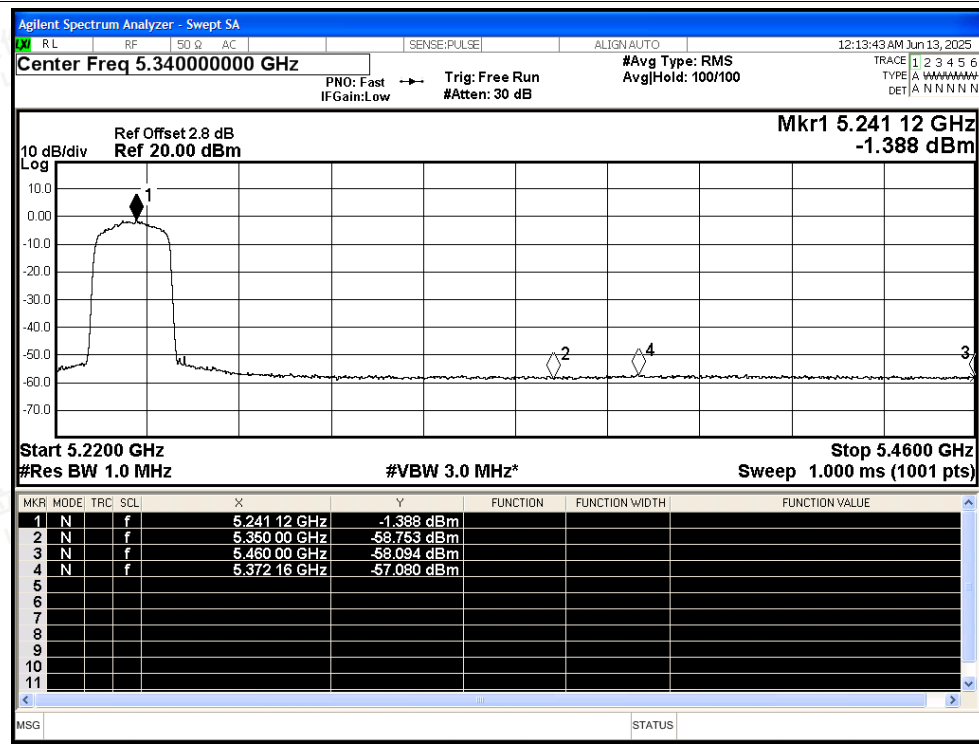
Scan code to check authenticity



Restrict Band NVNT ax20 5240MHz Ant1 Peak



Restrict Band NVNT ax20 5240MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

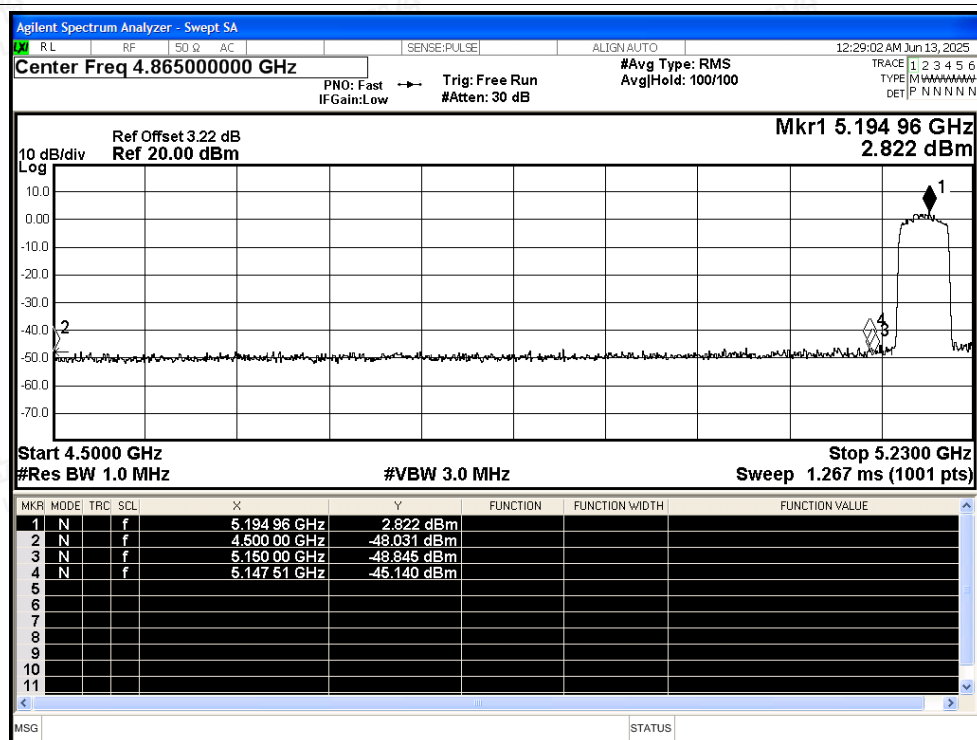
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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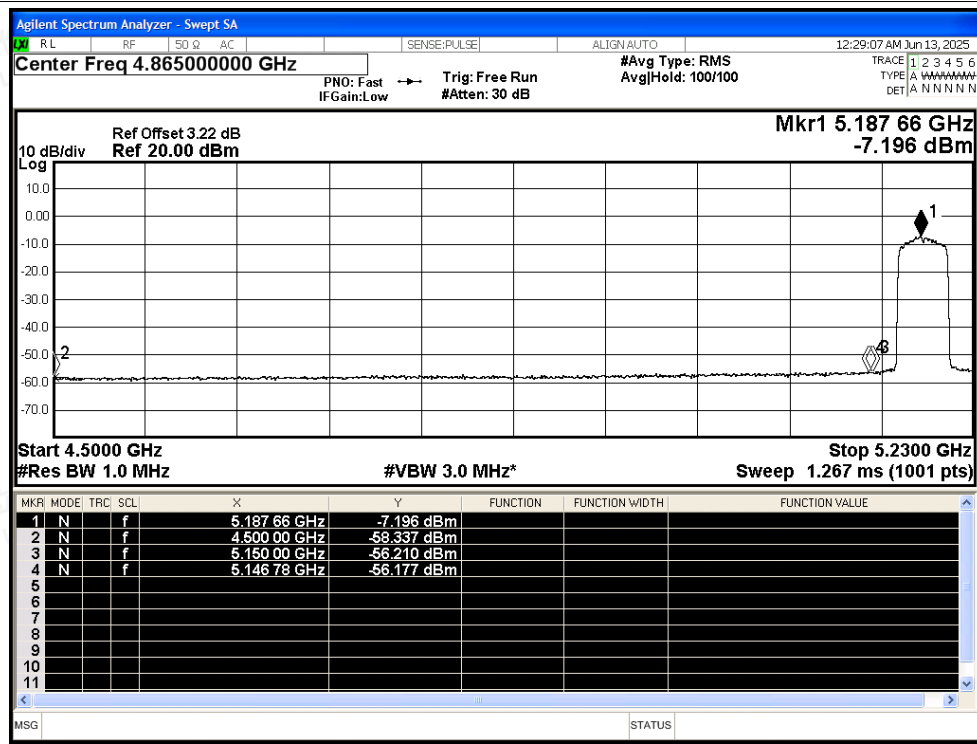
Scan code to check authenticity



Restrict Band NVNT ax40 5190MHz Ant1 Peak



Restrict Band NVNT ax40 5190MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

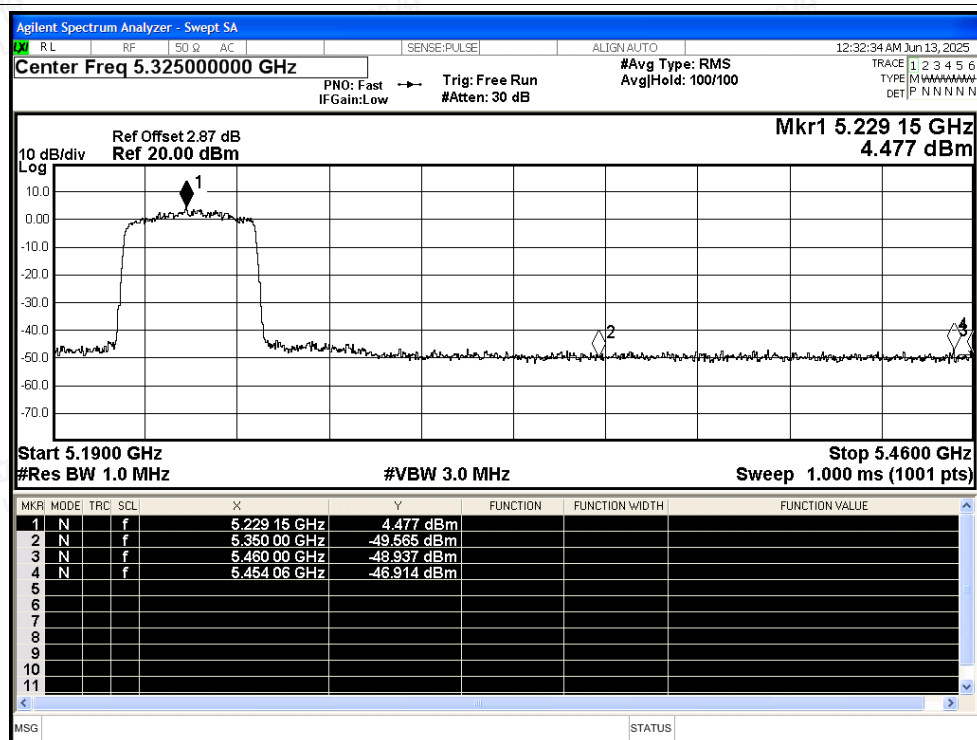
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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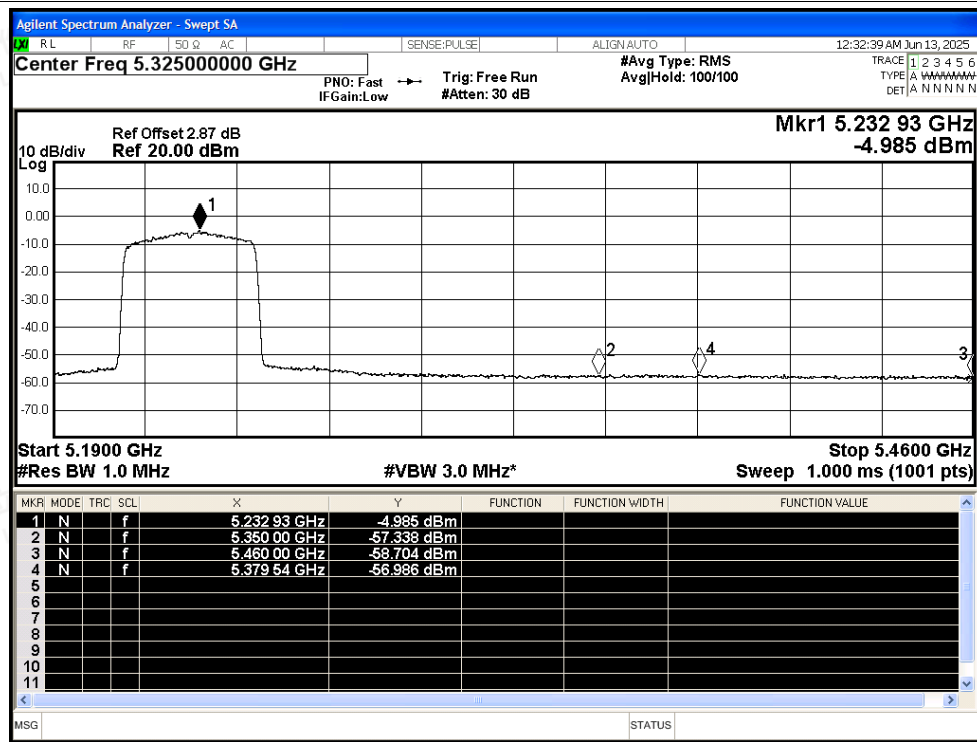
Scan code to check authenticity



Restrict Band NVNT ax40 5230MHz Ant1 Peak



Restrict Band NVNT ax40 5230MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

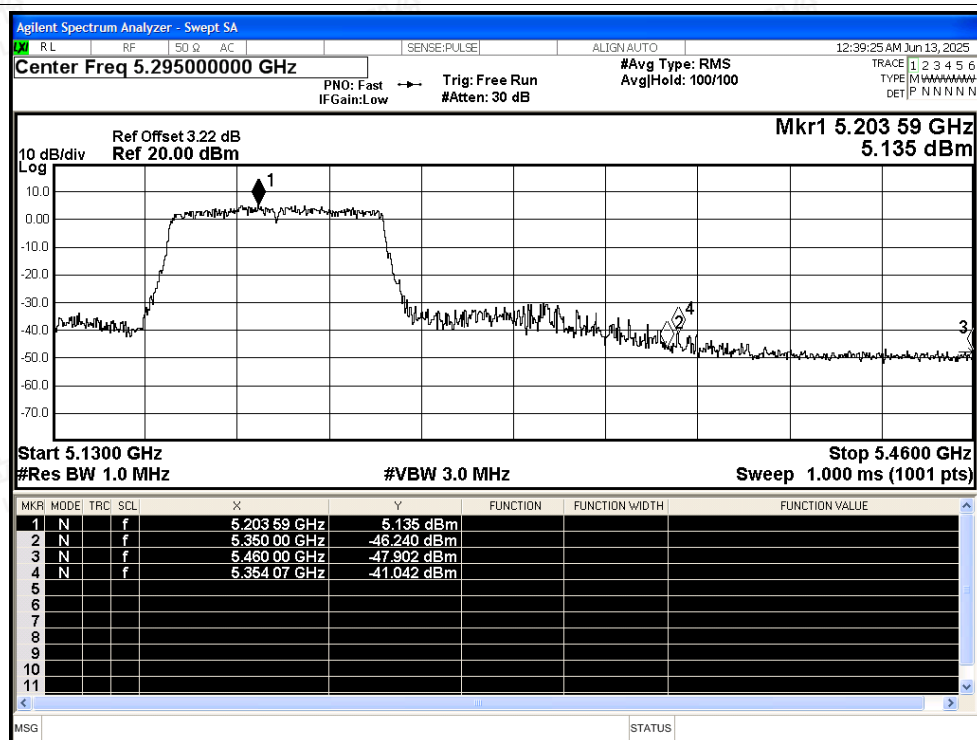
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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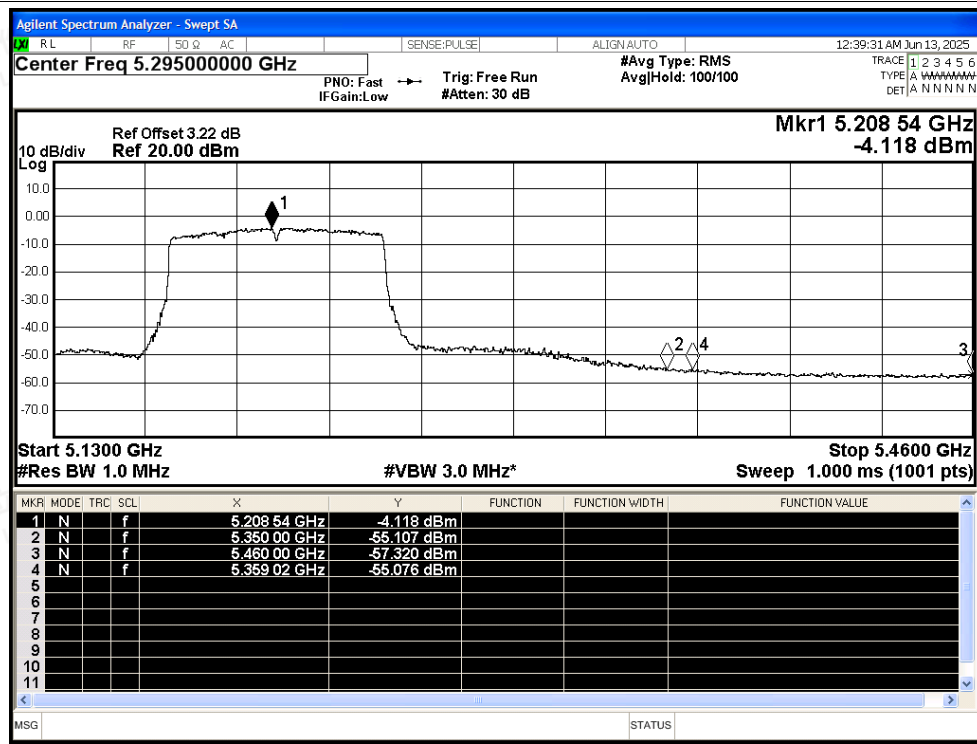
Scan code to check authenticity



Restrict Band NVNT ax80 5210MHz Ant1 Peak



Restrict Band NVNT ax80 5210MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

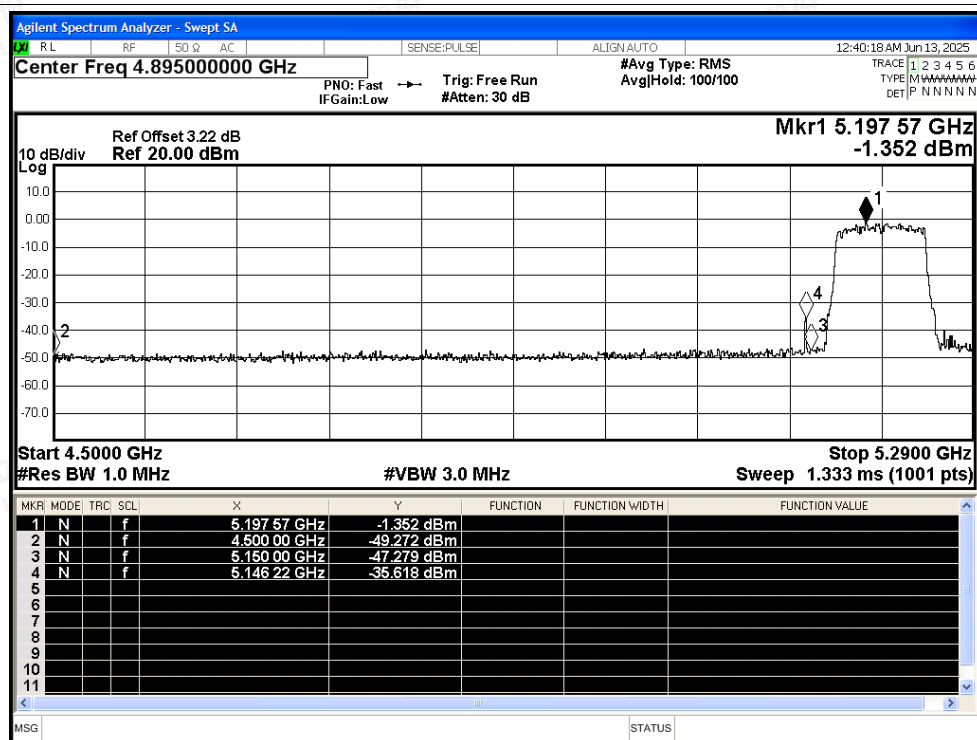
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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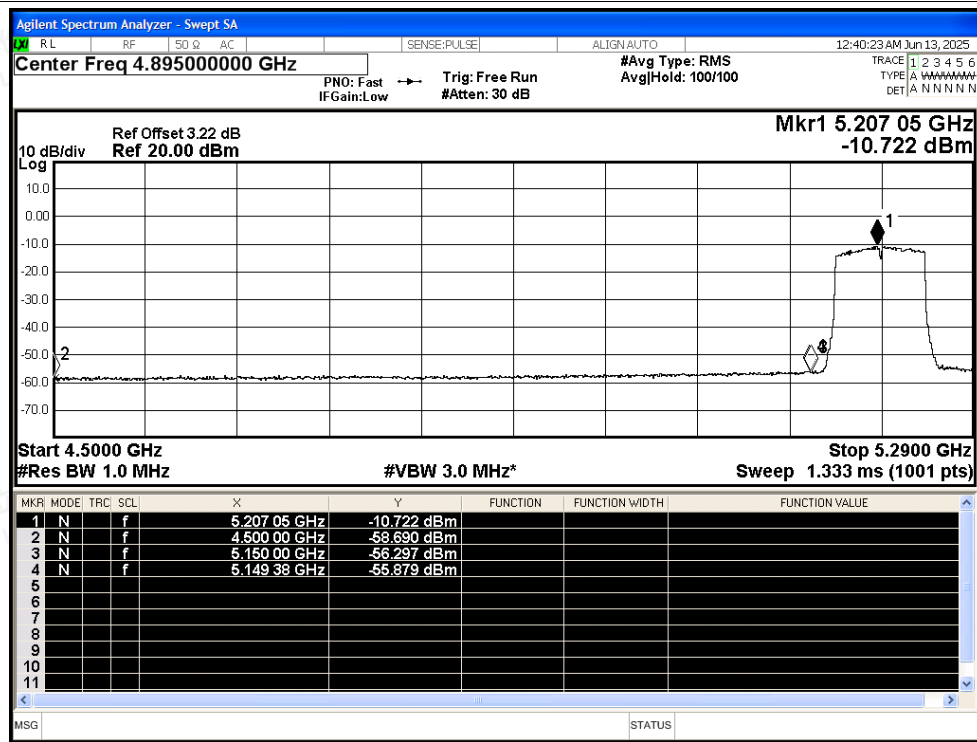
Scan code to check authenticity



Restrict Band NVNT ax80 5210MHz Ant1 Peak



Restrict Band NVNT ax80 5210MHz Ant1 Average



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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	-52.04	2.00	-	45.19	Peak	68.2	Pass
NVNT	a	5180	Ant2	4500	-59.33	2.00	0.31	38.21	Average	54	Pass
NVNT	a	5180	Ant2	5144.7	-46.07	2.00	-	51.16	Peak	68.2	Pass
NVNT	a	5180	Ant2	5146.1	-56.51	2.00	0.31	41.03	Average	54	Pass
NVNT	a	5180	Ant2	5150	-48.1	2.00	-	49.13	Peak	68.2	Pass
NVNT	a	5180	Ant2	5150	-57.06	2.00	0.31	40.48	Average	54	Pass
NVNT	a	5240	Ant2	5350	-49.1	2.00	-	48.13	Peak	68.2	Pass
NVNT	a	5240	Ant2	5350	-58.14	2.00	0.31	39.40	Average	54	Pass
NVNT	a	5240	Ant2	5390.64	-46.86	2.00	-	50.37	Peak	68.2	Pass
NVNT	a	5240	Ant2	5364.48	-57.08	2.00	0.31	40.46	Average	54	Pass
NVNT	a	5240	Ant2	5460	-49.67	2.00	-	47.56	Peak	68.2	Pass
NVNT	a	5240	Ant2	5460	-57.96	2.00	0.31	39.58	Average	54	Pass
NVNT	n20	5180	Ant2	4500	-51.03	2.00	-	46.20	Peak	68.2	Pass
NVNT	n20	5180	Ant2	4500	-58.92	2.00	0.37	38.68	Average	54	Pass
NVNT	n20	5180	Ant2	5100.6	-45.93	2.00	-	51.30	Peak	68.2	Pass
NVNT	n20	5180	Ant2	5149.6	-56.06	2.00	0.37	41.54	Average	54	Pass
NVNT	n20	5180	Ant2	5150	-48.46	2.00	-	48.77	Peak	68.2	Pass
NVNT	n20	5180	Ant2	5150	-56.71	2.00	0.37	40.89	Average	54	Pass
NVNT	n20	5240	Ant2	5350	-49.88	2.00	-	47.35	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5350	-57.94	2.00	0.37	39.66	Average	54	Pass
NVNT	n20	5240	Ant2	5404.08	-47	2.00	-	50.23	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5360.64	-57.16	2.00	0.37	40.44	Average	54	Pass
NVNT	n20	5240	Ant2	5460	-50.25	2.00	-	46.98	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5460	-58.58	2.00	0.37	39.02	Average	54	Pass
NVNT	n40	5190	Ant2	4500	-50.02	2.00	-	47.21	Peak	68.2	Pass
NVNT	n40	5190	Ant2	4500	-58.84	2.00	0.71	39.10	Average	54	Pass
NVNT	n40	5190	Ant2	4729.95	-46.24	2.00	-	50.99	Peak	68.2	Pass
NVNT	n40	5190	Ant2	5148.24	-56.1	2.00	0.71	41.84	Average	54	Pass
NVNT	n40	5190	Ant2	5150	-47.92	2.00	-	49.31	Peak	68.2	Pass
NVNT	n40	5190	Ant2	5150	-56.19	2.00	0.71	41.75	Average	54	Pass
NVNT	n40	5230	Ant2	5350	-50.31	2.00	-	46.92	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5350	-58.08	2.00	0.71	39.86	Average	54	Pass
NVNT	n40	5230	Ant2	5363.88	-46.31	2.00	-	50.92	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5364.96	-56.91	2.00	0.71	41.03	Average	54	Pass
NVNT	n40	5230	Ant2	5460	-48.35	2.00	-	48.88	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5460	-57.66	2.00	0.71	40.28	Average	54	Pass
NVNT	ac20	5180	Ant2	4500	-50.62	2.00	-	46.61	Peak	68.2	Pass
NVNT	ac20	5180	Ant2	4500	-58.54	2.00	0.37	39.06	Average	54	Pass



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