



Appendix B

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: WiFi Product

Test Model: GP-AG500

Environmental Conditions

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





B.1 -26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	22.082	---	Pass
NVNT	a	5200	Ant1	24.13	---	Pass
NVNT	a	5240	Ant1	22.879	---	Pass
NVNT	n20	5180	Ant1	24.706	---	Pass
NVNT	n20	5200	Ant1	25.367	---	Pass
NVNT	n20	5240	Ant1	24.066	---	Pass
NVNT	n40	5190	Ant1	40.588	---	Pass
NVNT	n40	5230	Ant1	41.757	---	Pass
NVNT	ac20	5180	Ant1	28.044	---	Pass
NVNT	ac20	5200	Ant1	25.375	---	Pass
NVNT	ac20	5240	Ant1	25.934	---	Pass
NVNT	ac40	5190	Ant1	45	---	Pass
NVNT	ac40	5230	Ant1	41.083	---	Pass
NVNT	ac80	5210	Ant1	82.225	---	Pass

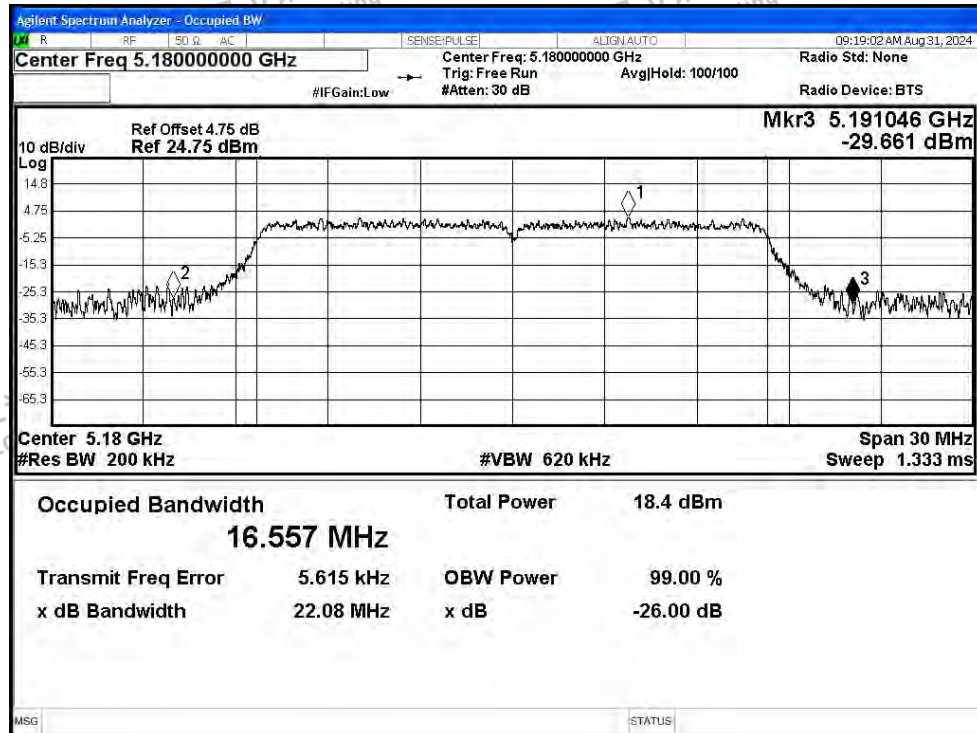


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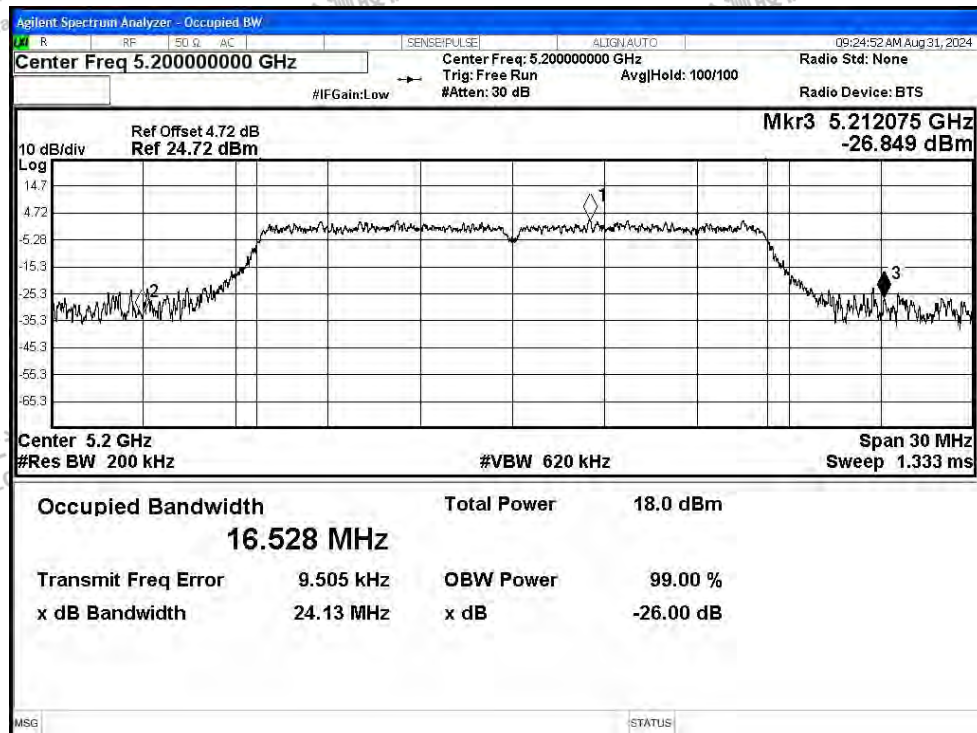


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1



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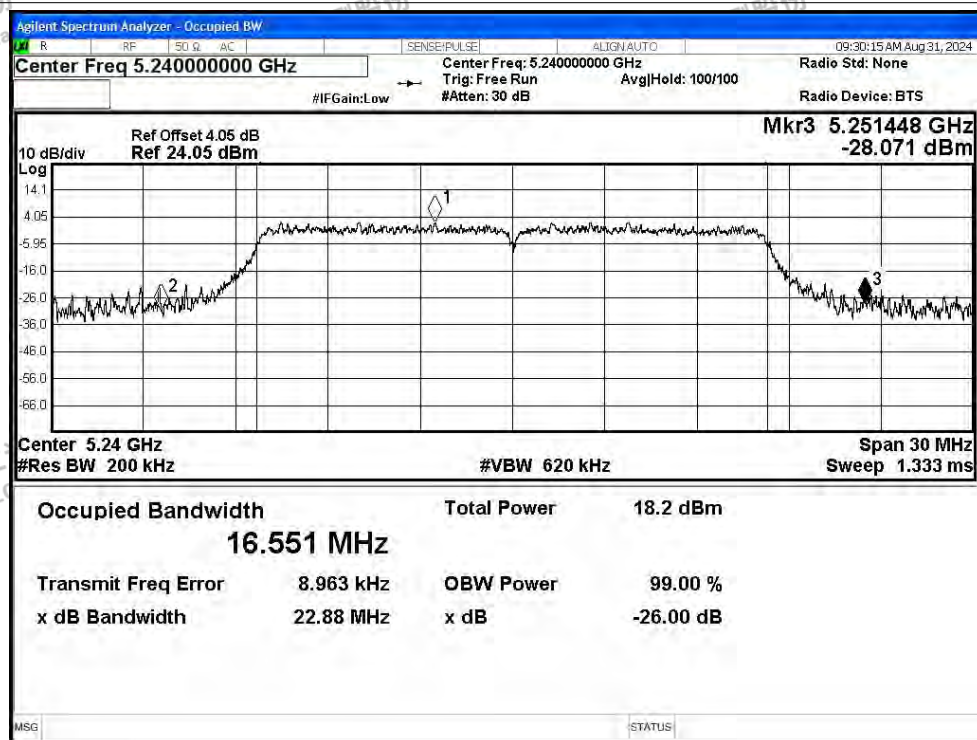
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-26dB Bandwidth NVNT a 5240MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1



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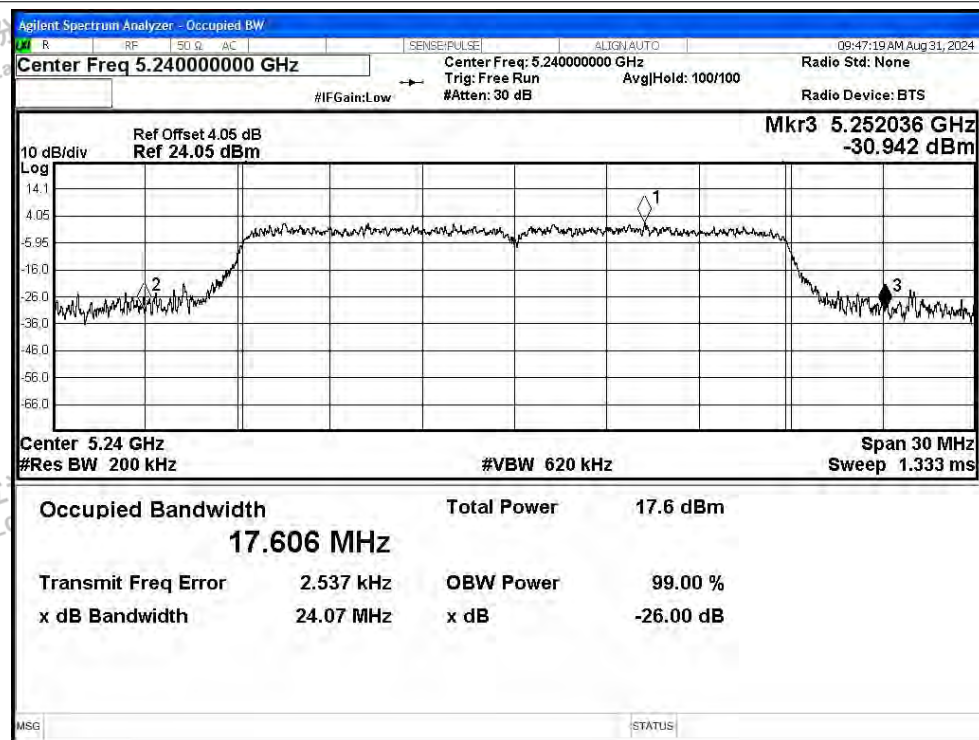
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-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1



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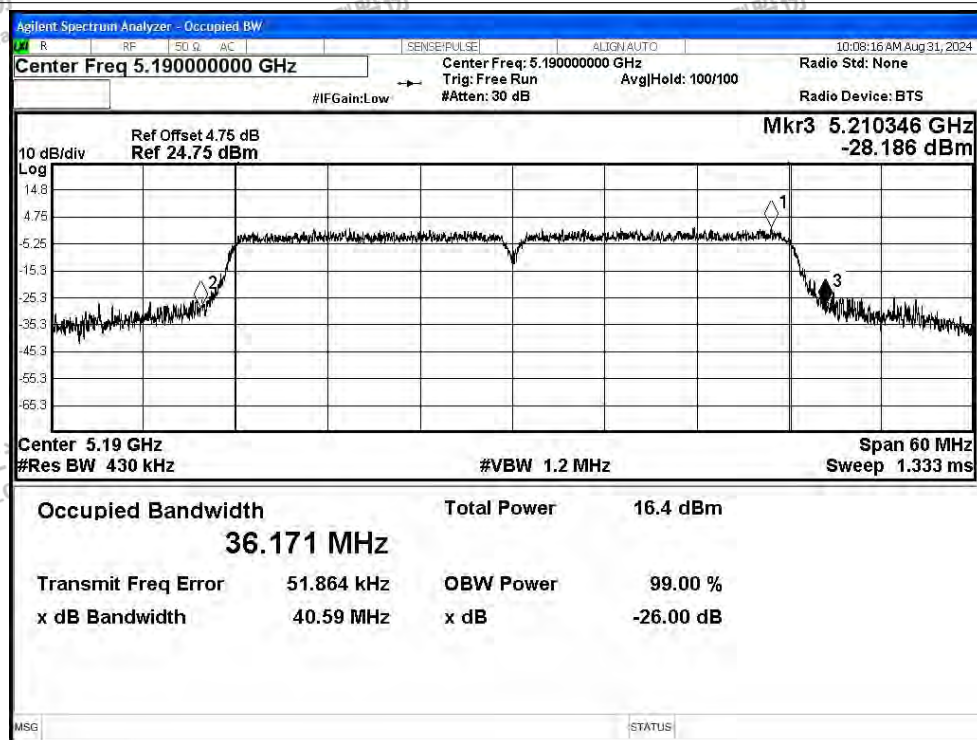
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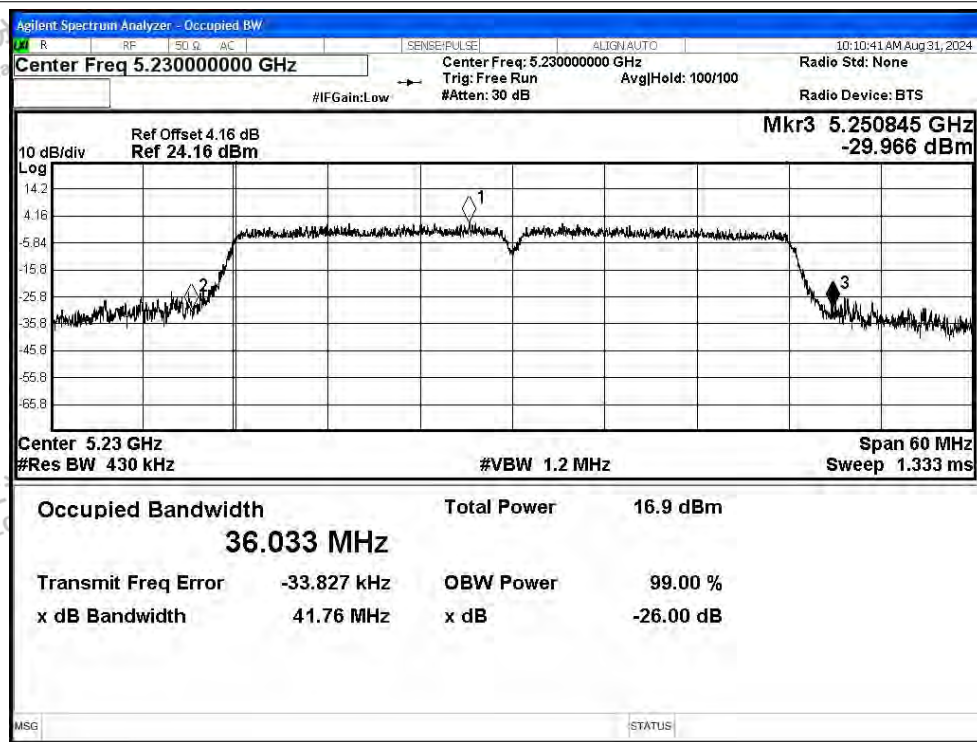
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-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1



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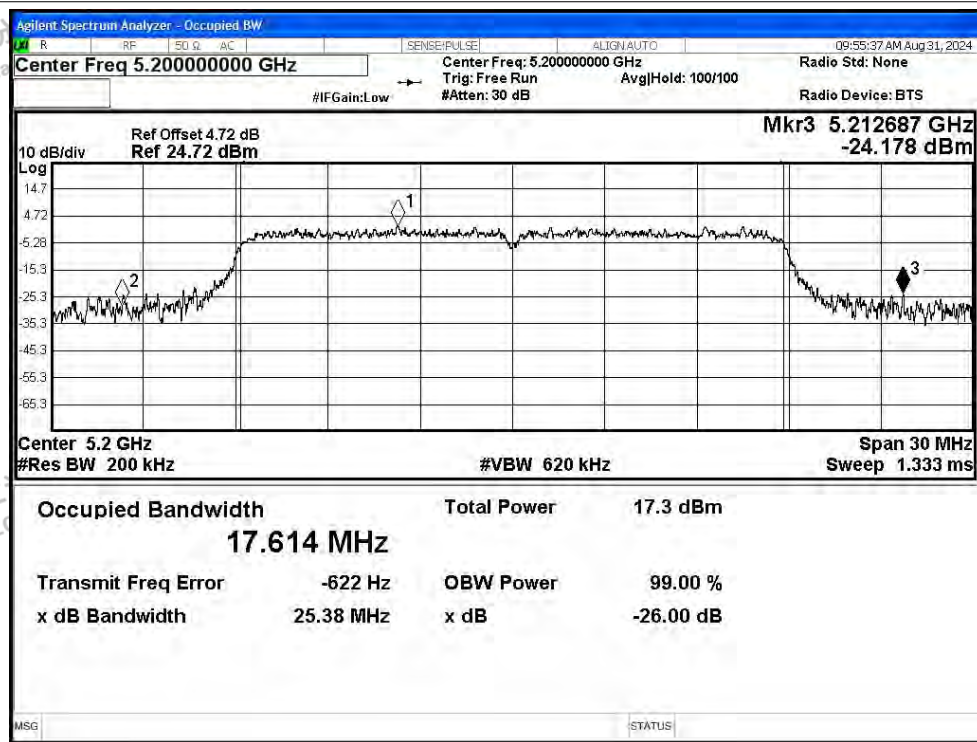
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-26dB Bandwidth NVNT ac20 5180MHz Ant1



-26dB Bandwidth NVNT ac20 5200MHz Ant1



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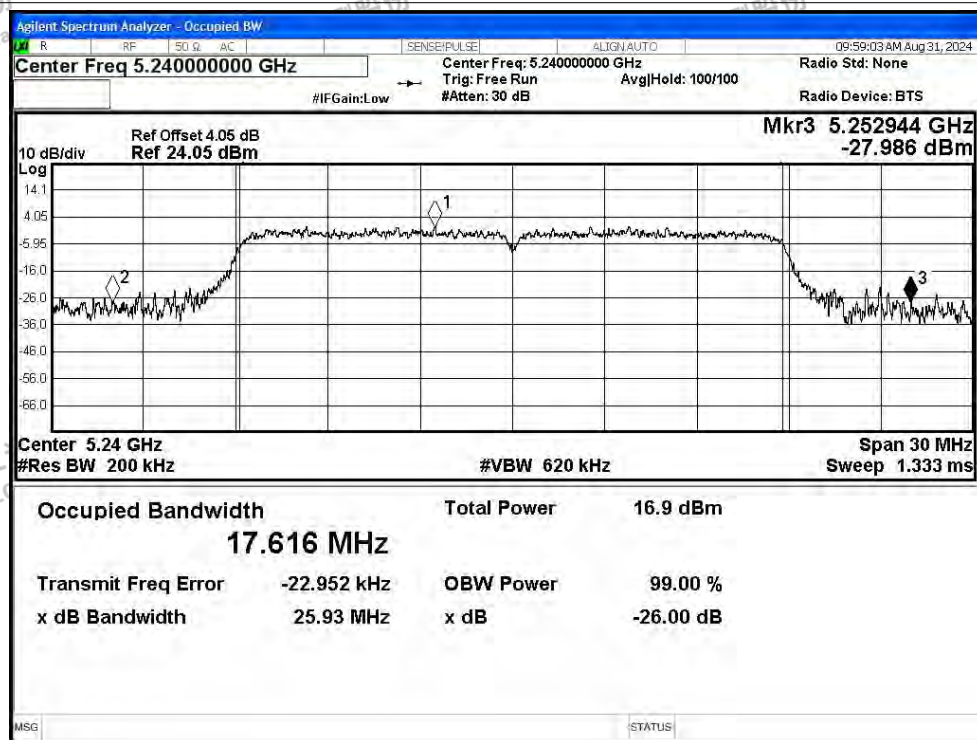
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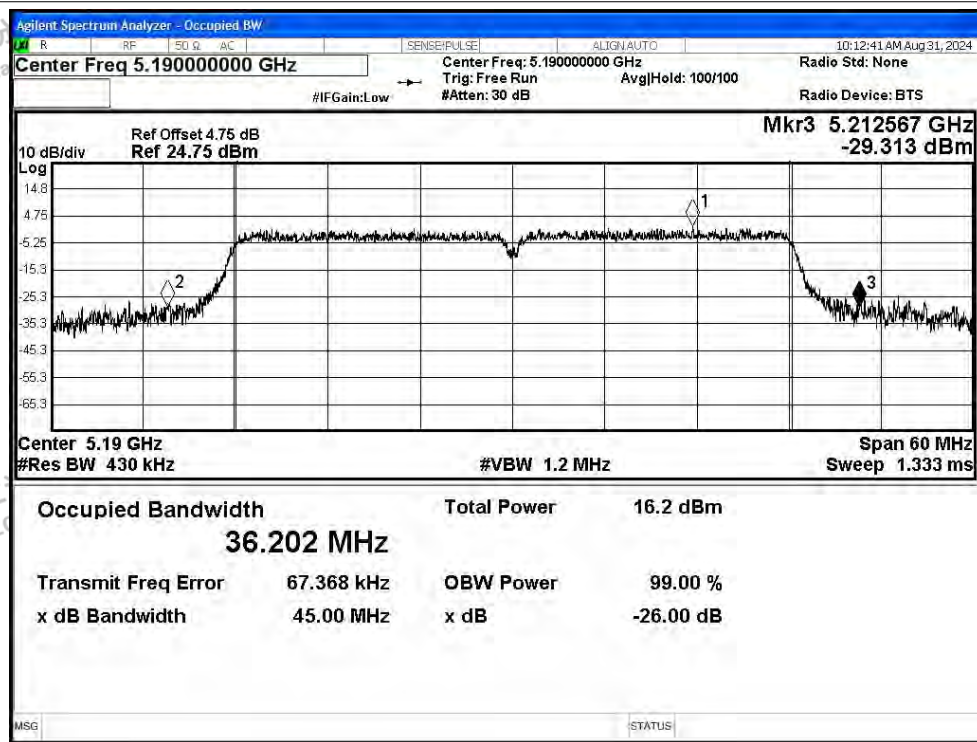
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-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ac40 5190MHz Ant1



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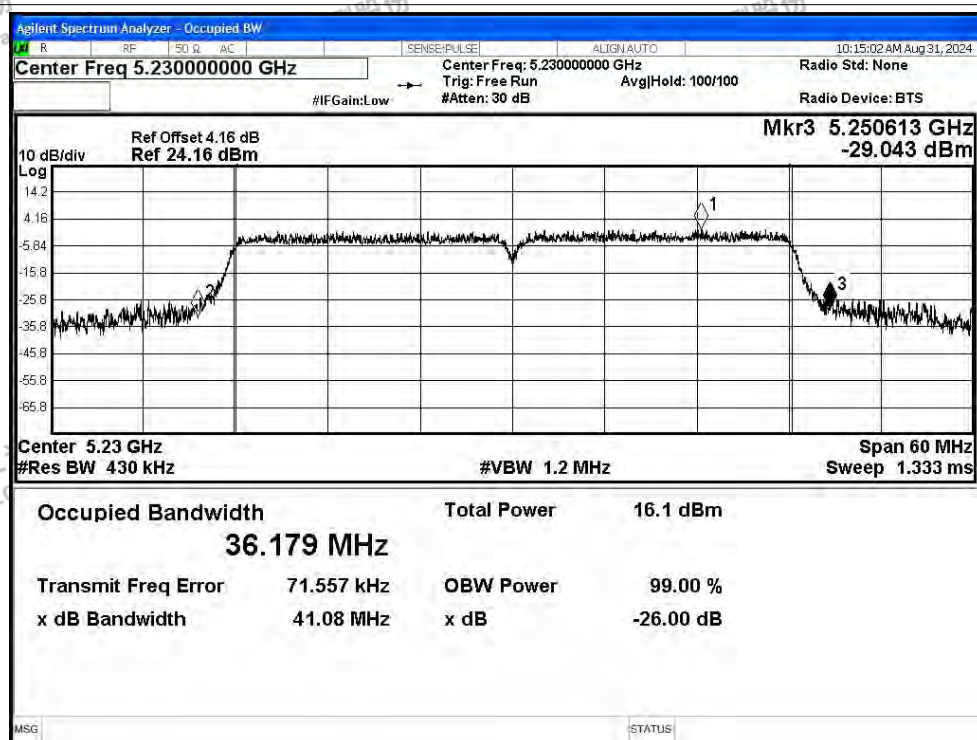
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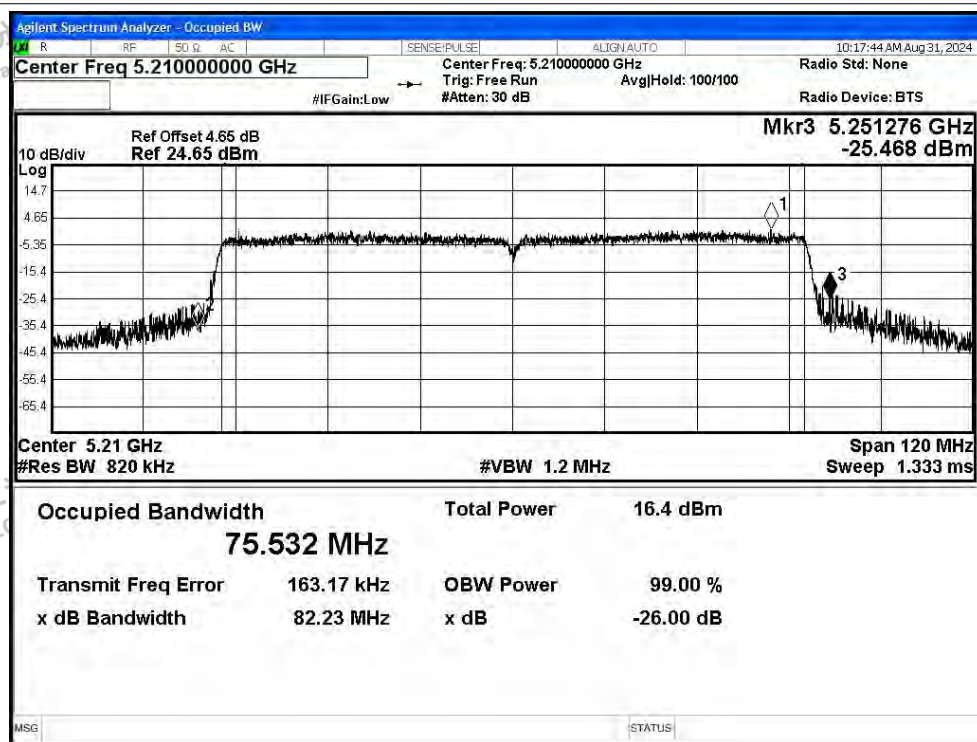
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-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1



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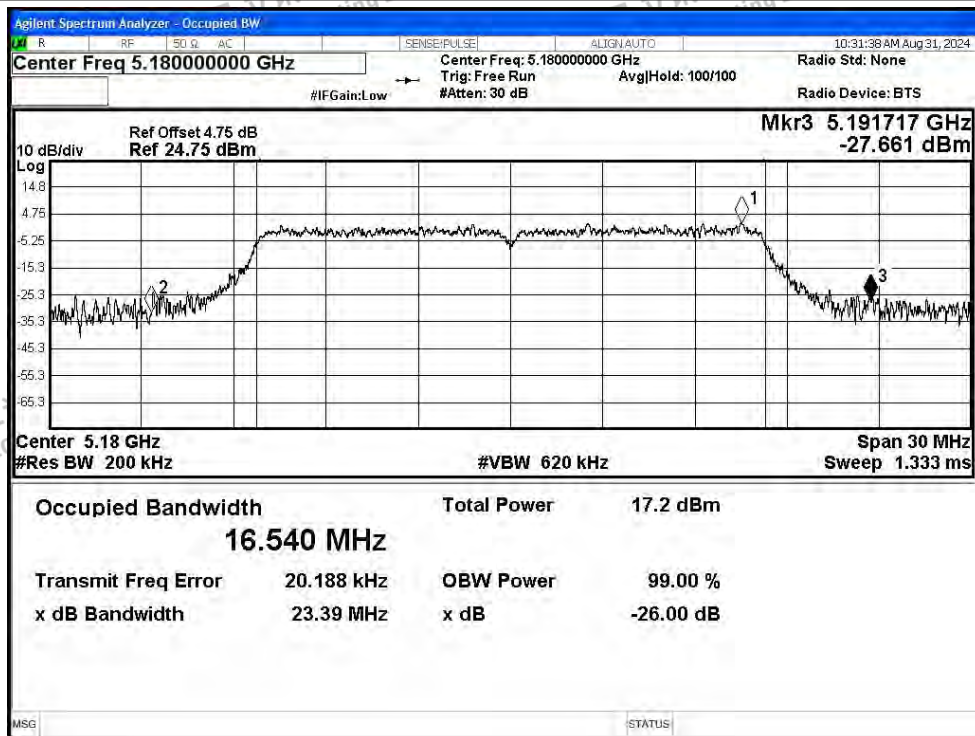
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NVNT	a	5180	Ant2	23.394	---	Pass
NVNT	a	5200	Ant2	21.952	---	Pass
NVNT	a	5240	Ant2	22.244	---	Pass
NVNT	n20	5180	Ant2	22.589	---	Pass
NVNT	n20	5200	Ant2	22.941	---	Pass
NVNT	n20	5240	Ant2	26.607	---	Pass
NVNT	n40	5190	Ant2	44.97	---	Pass
NVNT	n40	5230	Ant2	45.408	---	Pass
NVNT	ac20	5180	Ant2	28.826	---	Pass
NVNT	ac20	5200	Ant2	26.406	---	Pass
NVNT	ac20	5240	Ant2	25.078	---	Pass
NVNT	ac40	5190	Ant2	44.002	---	Pass
NVNT	ac40	5230	Ant2	44.151	---	Pass
NVNT	ac80	5210	Ant2	83.56	---	Pass



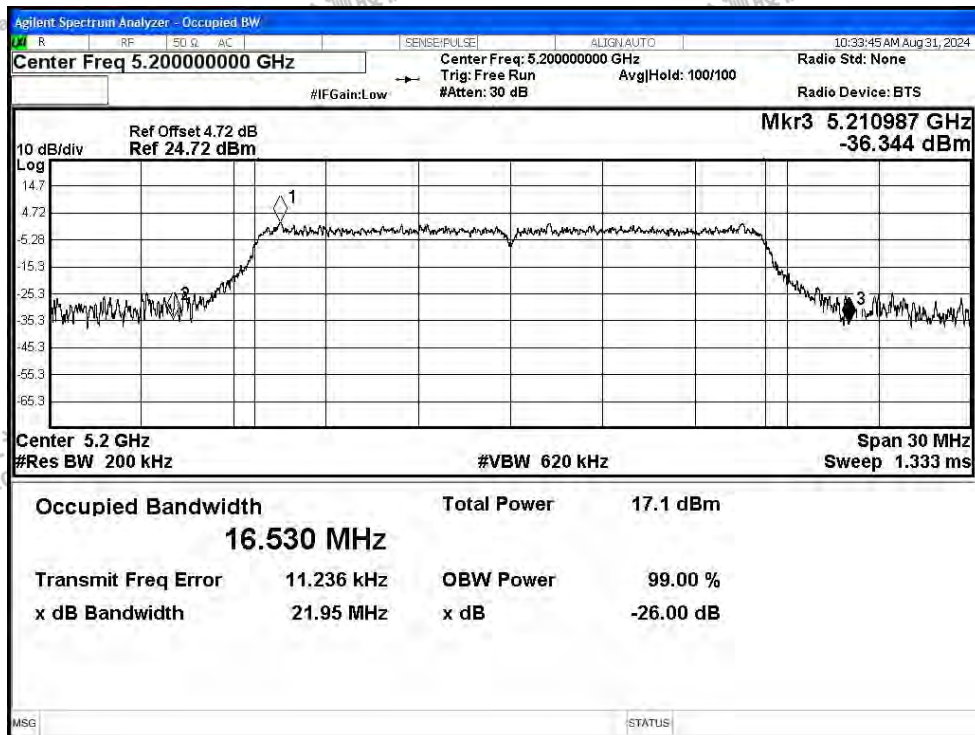


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant2



-26dB Bandwidth NVNT a 5200MHz Ant2



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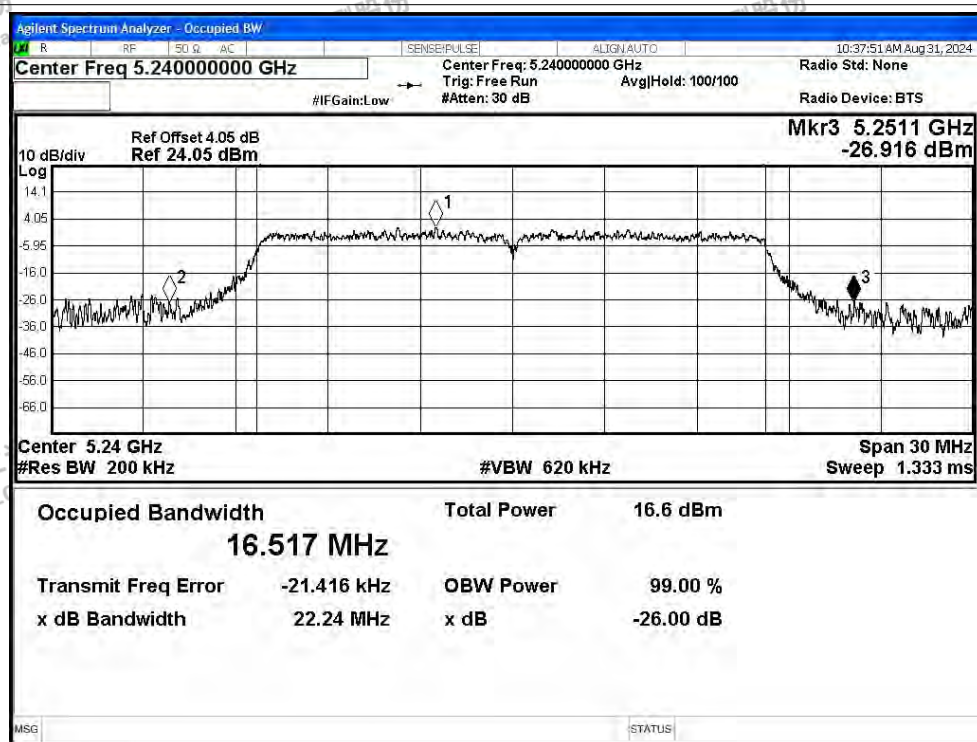
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-26dB Bandwidth NVNT a 5240MHz Ant2



-26dB Bandwidth NVNT n20 5180MHz Ant2



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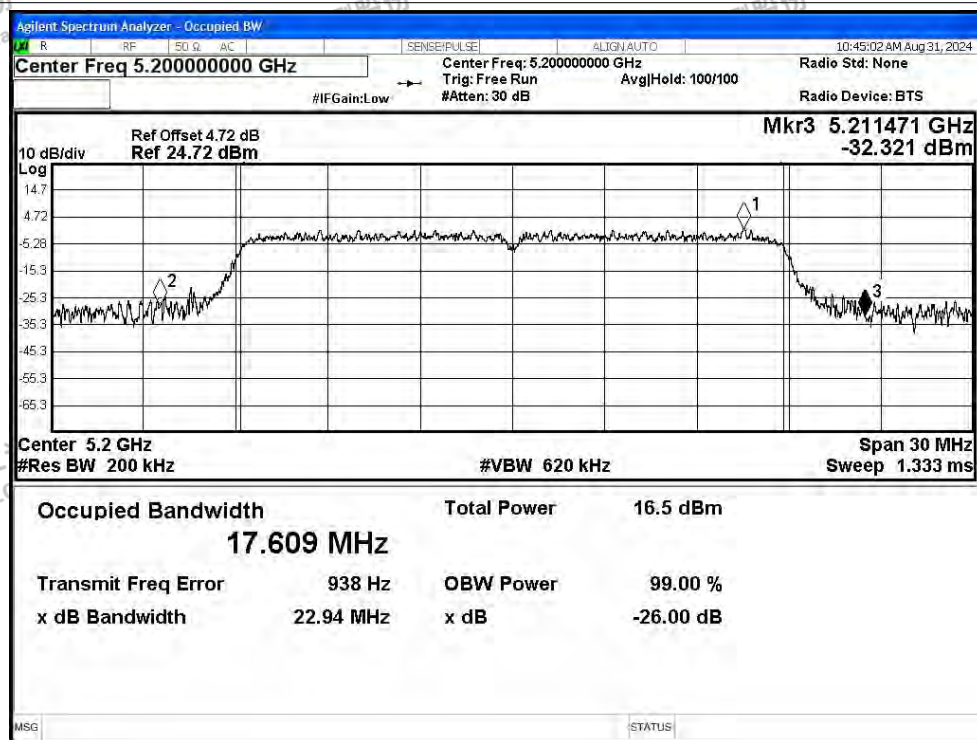
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-26dB Bandwidth NVNT n20 5200MHz Ant2



-26dB Bandwidth NVNT n20 5240MHz Ant2



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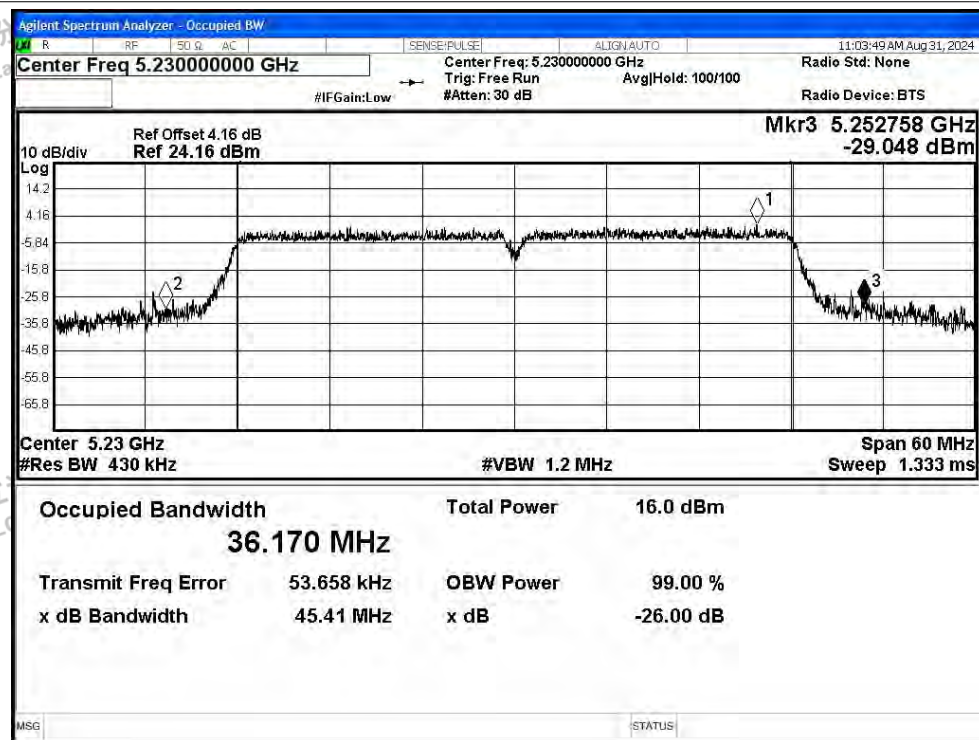
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-26dB Bandwidth NVNT n40 5190MHz Ant2



-26dB Bandwidth NVNT n40 5230MHz Ant2



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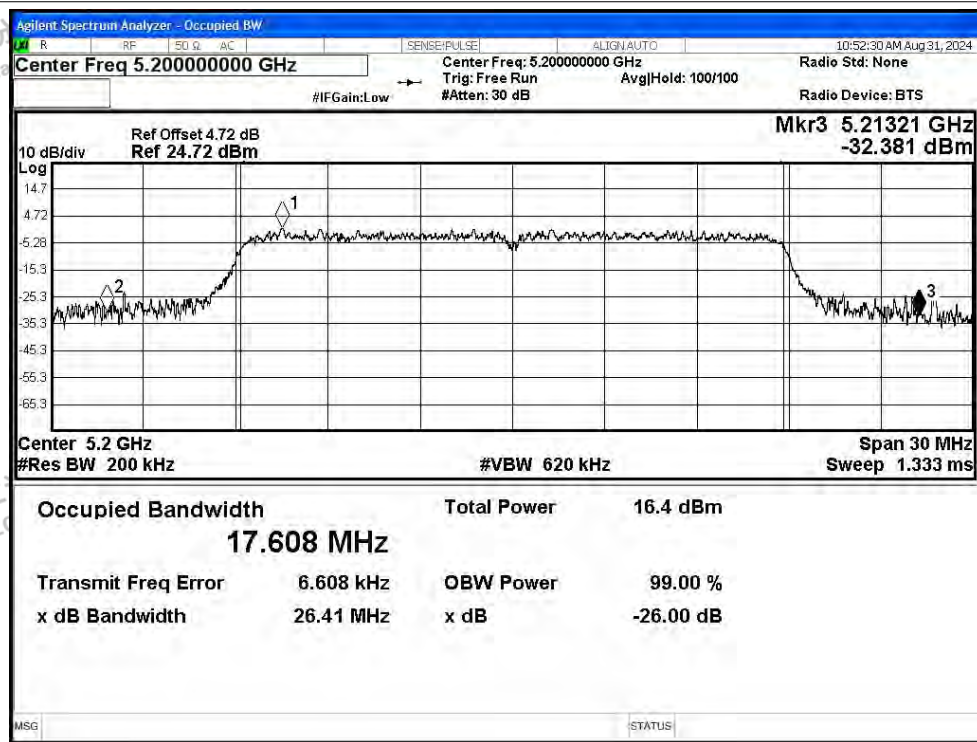
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-26dB Bandwidth NVNT ac20 5180MHz Ant2



-26dB Bandwidth NVNT ac20 5200MHz Ant2



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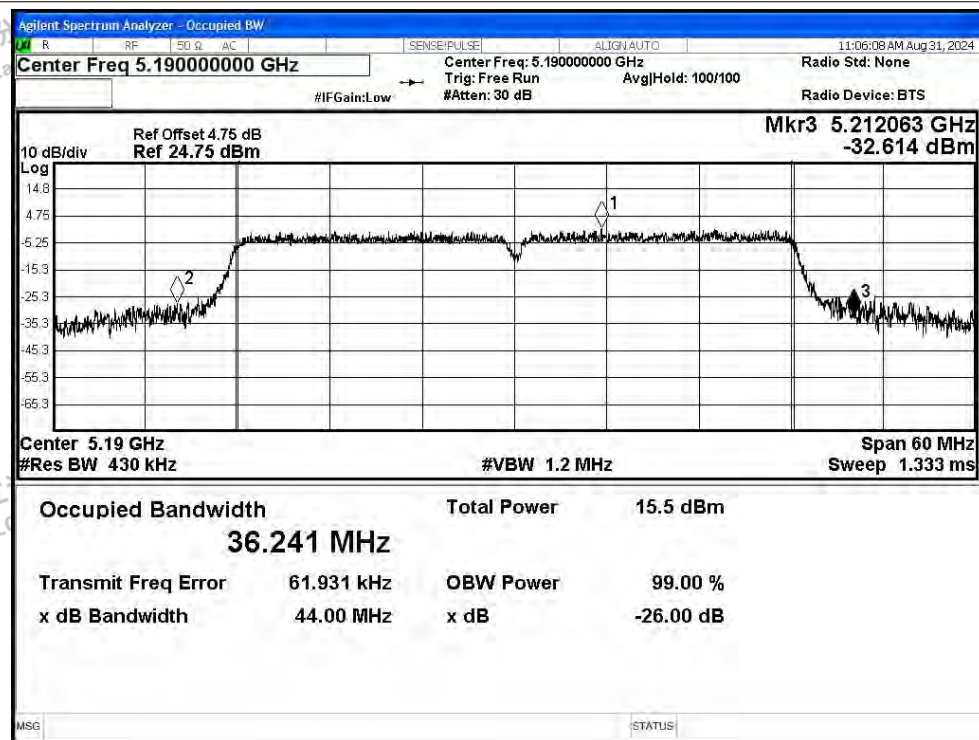
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-26dB Bandwidth NVNT ac20 5240MHz Ant2



-26dB Bandwidth NVNT ac40 5190MHz Ant2



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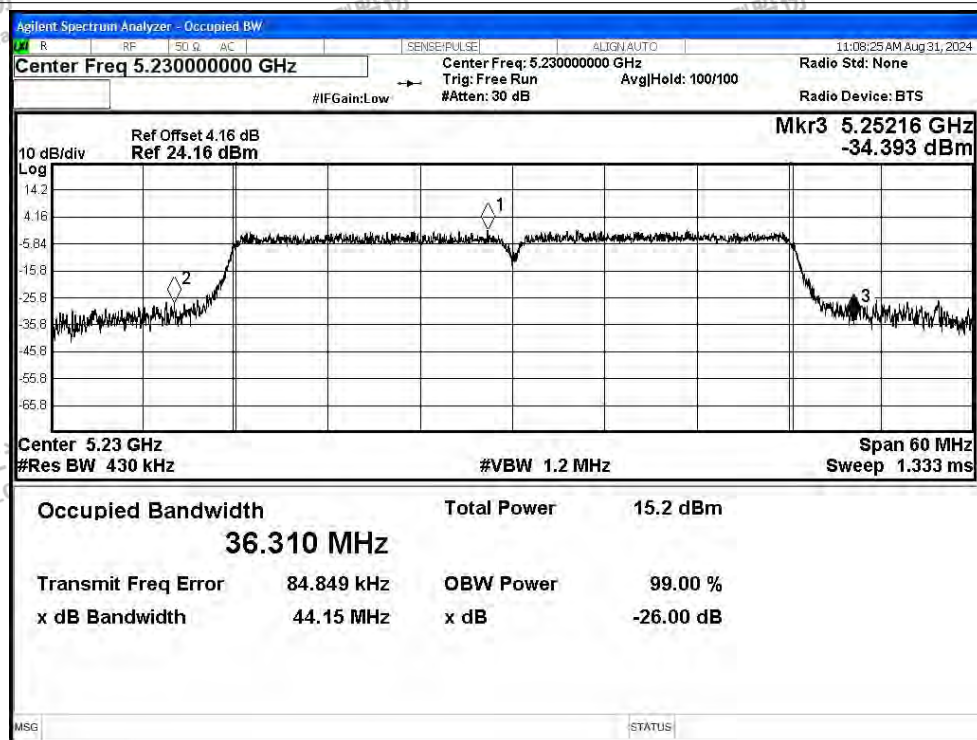
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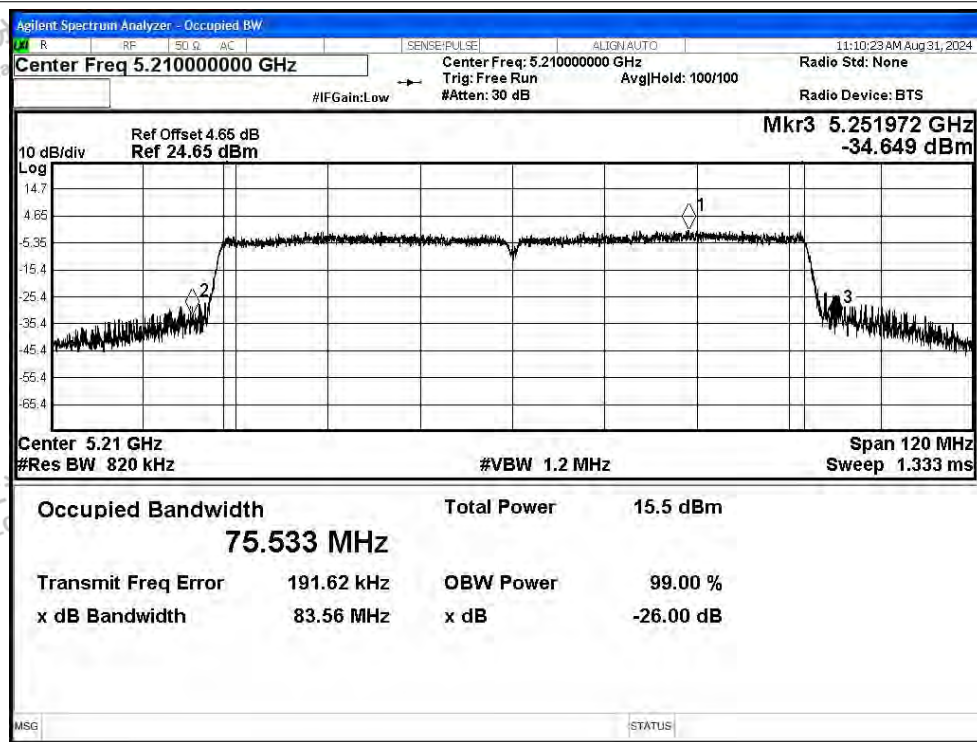
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-26dB Bandwidth NVNT ac40 5230MHz Ant2



-26dB Bandwidth NVNT ac80 5210MHz Ant2



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B.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	12.71	0.28	12.99	30	Pass
NVNT	a	5200	Ant1	12.3	0.28	12.58	30	Pass
NVNT	a	5240	Ant1	12.38	0.28	12.66	30	Pass
NVNT	n20	5180	Ant1	11.63	0.32	11.95	30	Pass
NVNT	n20	5200	Ant1	11.49	0.32	11.81	30	Pass
NVNT	n20	5240	Ant1	11.68	0.32	12	30	Pass
NVNT	n40	5190	Ant1	10.22	0.51	10.73	30	Pass
NVNT	n40	5230	Ant1	10.78	0.5	11.28	30	Pass
NVNT	ac20	5180	Ant1	11.48	0.32	11.8	30	Pass
NVNT	ac20	5200	Ant1	11.45	0.32	11.77	30	Pass
NVNT	ac20	5240	Ant1	10.99	0.32	11.31	30	Pass
NVNT	ac40	5190	Ant1	10.21	0.51	10.72	30	Pass
NVNT	ac40	5230	Ant1	10.6	0.51	11.11	30	Pass
NVNT	ac80	5210	Ant1	9.4	0.69	10.09	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant2	11.35	0.27	11.62	30	Pass
NVNT	a	5200	Ant2	11.39	0.34	11.73	30	Pass
NVNT	a	5240	Ant2	10.92	0.28	11.2	30	Pass
NVNT	n20	5180	Ant2	10.68	0.32	11	30	Pass
NVNT	n20	5200	Ant2	10.76	0.32	11.08	30	Pass
NVNT	n20	5240	Ant2	10.72	0.32	11.04	30	Pass
NVNT	n40	5190	Ant2	9.33	0.5	9.83	30	Pass
NVNT	n40	5230	Ant2	9.63	0.5	10.13	30	Pass
NVNT	ac20	5180	Ant2	10.63	0.32	10.95	30	Pass
NVNT	ac20	5200	Ant2	10.57	0.32	10.89	30	Pass
NVNT	ac20	5240	Ant2	10.89	0.32	11.21	30	Pass
NVNT	ac40	5190	Ant2	9.33	0.51	9.84	30	Pass
NVNT	ac40	5230	Ant2	9.11	0.51	9.62	30	Pass
NVNT	ac80	5210	Ant2	8.52	0.69	9.21	30	Pass



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MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5180	11.95	11	14.51	30	Pass
NVNT	n20	5200	11.81	11.08	14.47	30	Pass
NVNT	n20	5240	12	11.04	14.56	30	Pass
NVNT	n40	5190	10.73	9.83	13.31	30	Pass
NVNT	n40	5230	11.28	10.13	13.75	30	Pass
NVNT	ac20	5180	11.8	10.95	14.41	30	Pass
NVNT	ac20	5200	11.77	10.89	14.36	30	Pass
NVNT	ac20	5240	11.31	11.21	14.27	30	Pass
NVNT	ac40	5190	10.72	9.84	13.31	30	Pass
NVNT	ac40	5230	11.11	9.62	13.44	30	Pass
NVNT	ac80	5210	10.09	9.21	12.68	30	Pass





B.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	1.99	0.28	2.27	17	Pass
NVNT	a	5200	Ant1	1.78	0.28	2.06	17	Pass
NVNT	a	5240	Ant1	1.77	0.28	2.05	17	Pass
NVNT	n20	5180	Ant1	-0.24	0.32	0.08	17	Pass
NVNT	n20	5200	Ant1	0.98	0.32	1.3	17	Pass
NVNT	n20	5240	Ant1	1.07	0.32	1.39	17	Pass
NVNT	n40	5190	Ant1	-3.44	0.51	-2.93	17	Pass
NVNT	n40	5230	Ant1	-2.52	0.5	-2.02	17	Pass
NVNT	ac20	5180	Ant1	0.84	0.32	1.16	17	Pass
NVNT	ac20	5200	Ant1	0.73	0.32	1.05	17	Pass
NVNT	ac20	5240	Ant1	0.06	0.32	0.38	17	Pass
NVNT	ac40	5190	Ant1	-3.33	0.51	-2.82	17	Pass
NVNT	ac40	5230	Ant1	-3.72	0.51	-3.21	17	Pass
NVNT	ac80	5210	Ant1	-6.66	0.69	-5.97	17	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	0.8	0.27	1.07	17	Pass
NVNT	a	5200	Ant2	0.91	0.34	1.25	17	Pass
NVNT	a	5240	Ant2	0.51	0.28	0.79	17	Pass
NVNT	n20	5180	Ant2	0.19	0.32	0.51	17	Pass
NVNT	n20	5200	Ant2	-0.07	0.32	0.25	17	Pass
NVNT	n20	5240	Ant2	-0.77	0.32	-0.45	17	Pass
NVNT	n40	5190	Ant2	-4.43	0.5	-3.93	17	Pass
NVNT	n40	5230	Ant2	-3.71	0.5	-3.21	17	Pass
NVNT	ac20	5180	Ant2	-0.8	0.32	-0.48	17	Pass
NVNT	ac20	5200	Ant2	-0.02	0.32	0.3	17	Pass
NVNT	ac20	5240	Ant2	0.16	0.32	0.48	17	Pass
NVNT	ac40	5190	Ant2	-4.17	0.51	-3.66	17	Pass
NVNT	ac40	5230	Ant2	-4.4	0.51	-3.89	17	Pass
NVNT	ac80	5210	Ant2	-7.84	0.69	-7.15	17	Pass



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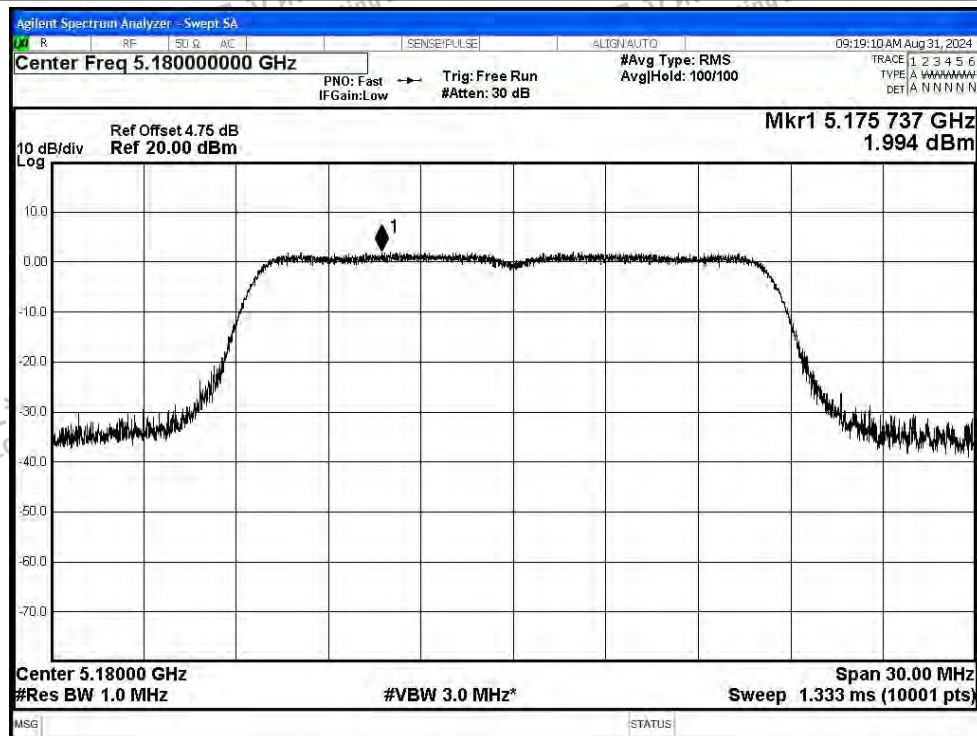
Condition	Mode	Frequency (MHz)	Total PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5180	0.08	0.51	3.31	16.9	Pass
NVNT	n20	5200	1.3	0.25	3.82	16.9	Pass
NVNT	n20	5240	1.39	-0.45	3.58	16.9	Pass
NVNT	n40	5190	-2.93	-3.93	-0.39	16.9	Pass
NVNT	n40	5230	-2.02	-3.21	0.44	16.9	Pass
NVNT	ac20	5180	1.16	-0.48	3.43	16.9	Pass
NVNT	ac20	5200	1.05	0.3	3.70	16.9	Pass
NVNT	ac20	5240	0.38	0.48	3.44	16.9	Pass
NVNT	ac40	5190	-2.82	-3.66	-0.21	16.9	Pass
NVNT	ac40	5230	-3.21	-3.89	-0.53	16.9	Pass
NVNT	ac80	5210	-5.97	-7.15	-3.51	16.9	Pass



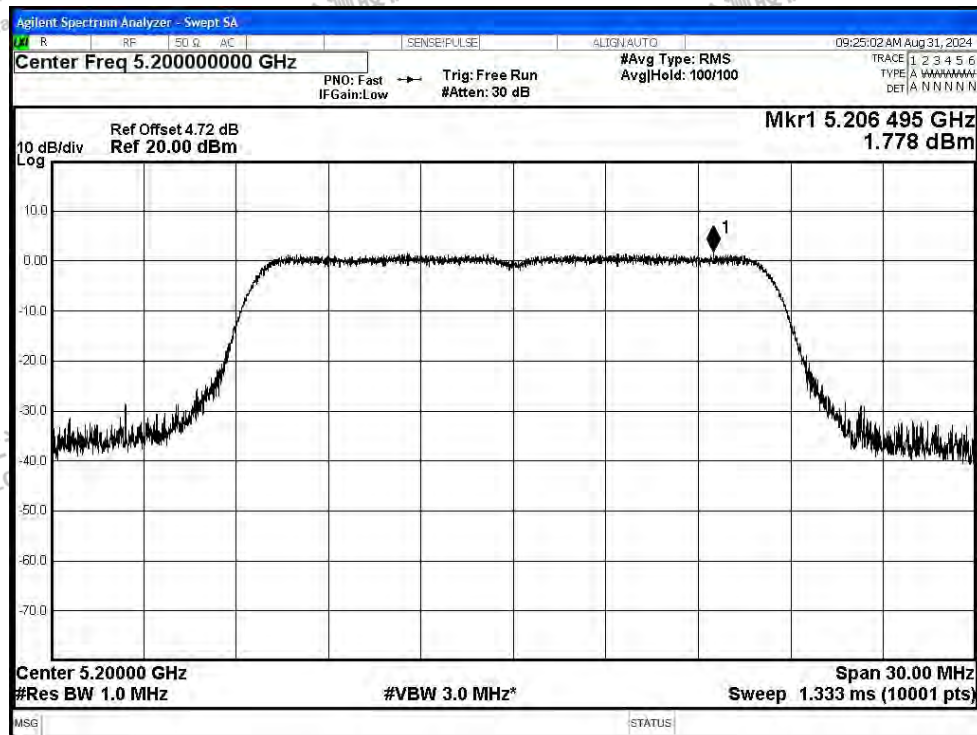


Test Graphs

PSD NVNT a 5180MHz Ant1



PSD NVNT a 5200MHz Ant1



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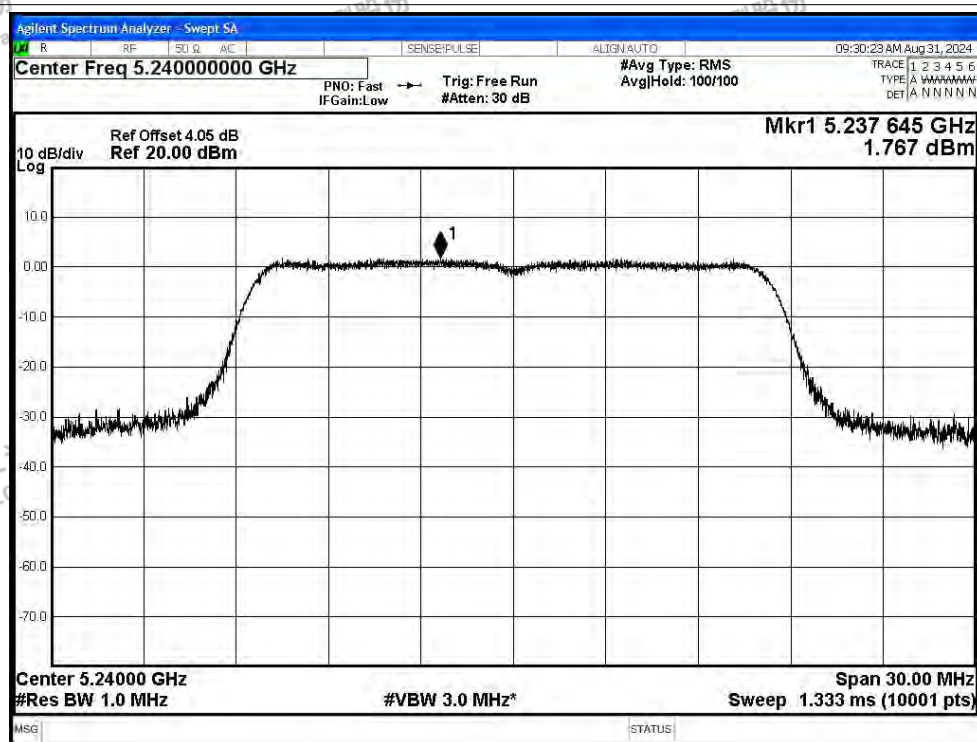
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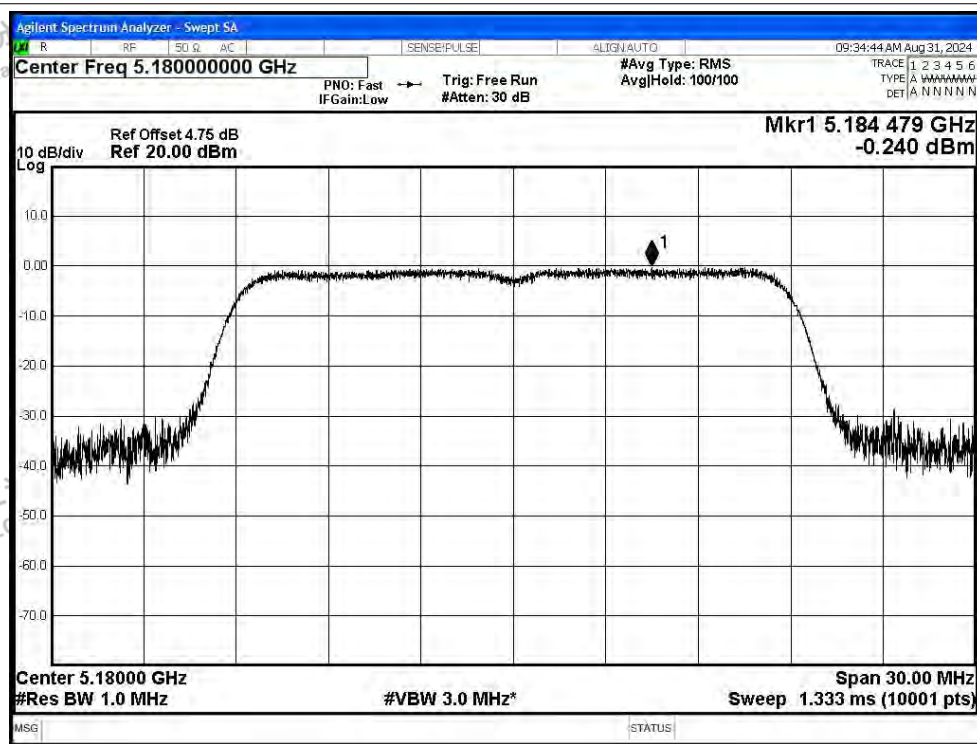
Scan code to check authenticity



PSD NVNT a 5240MHz Ant1



PSD NVNT n20 5180MHz Ant1

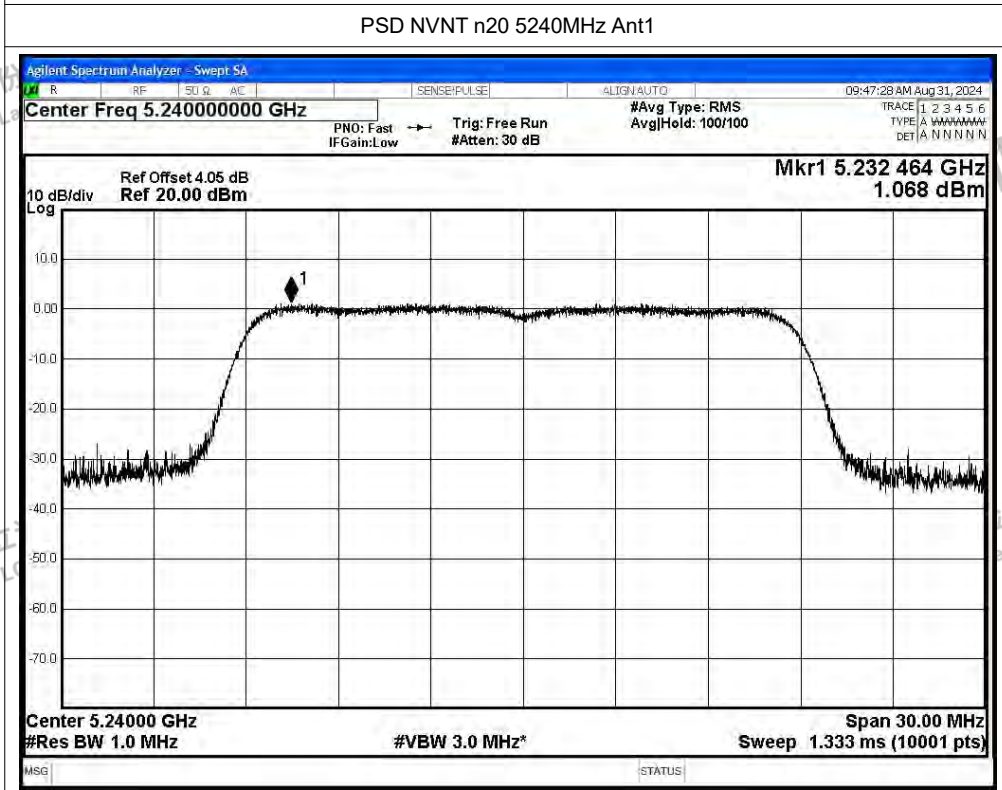
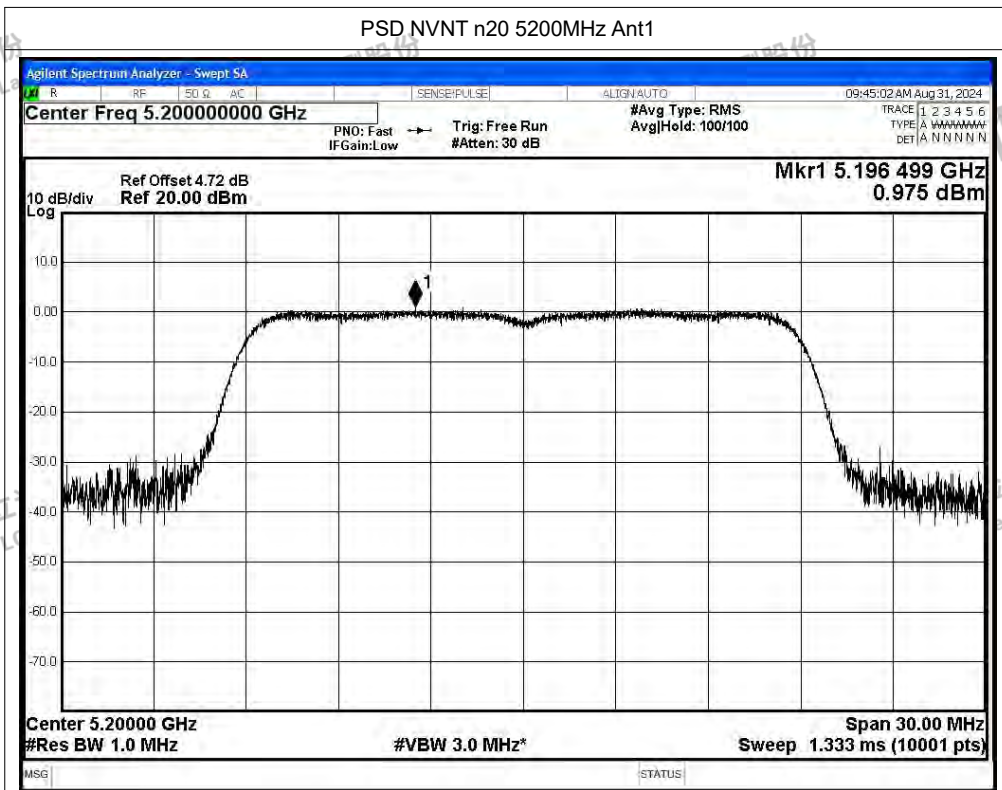


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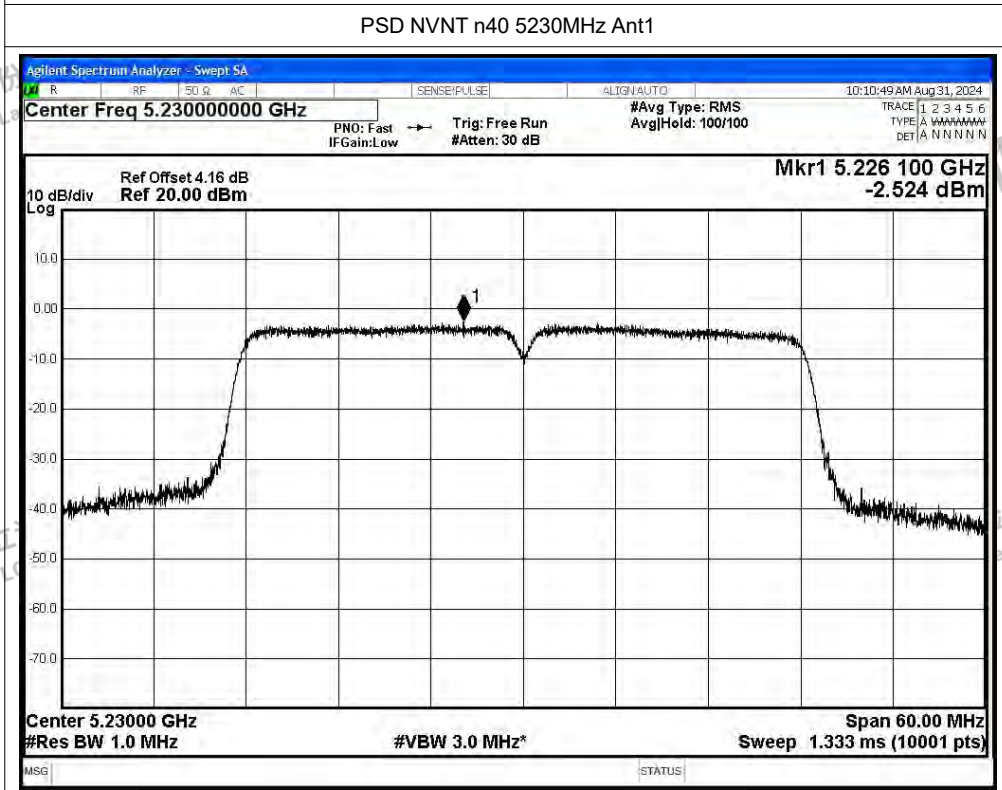
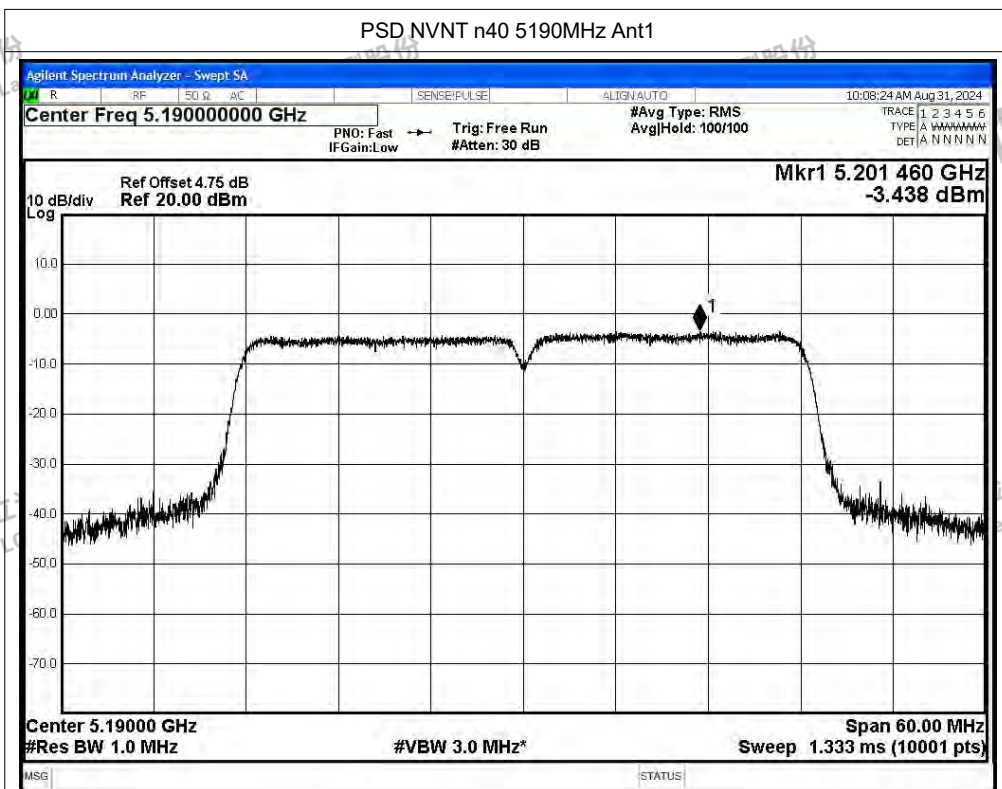


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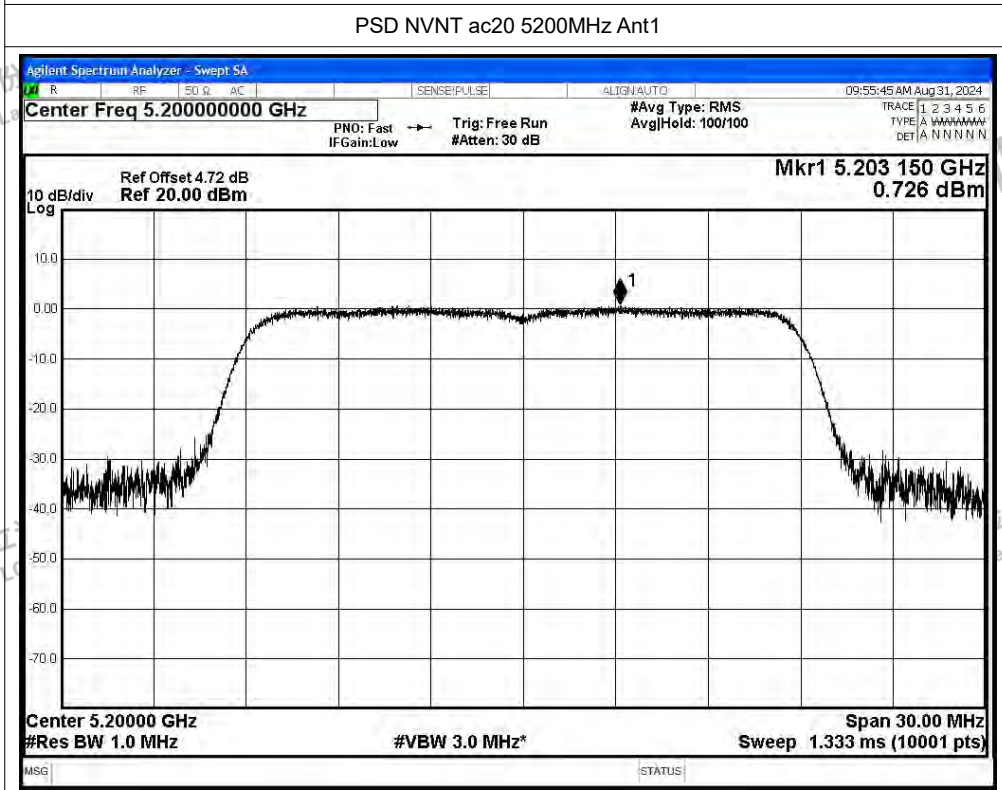
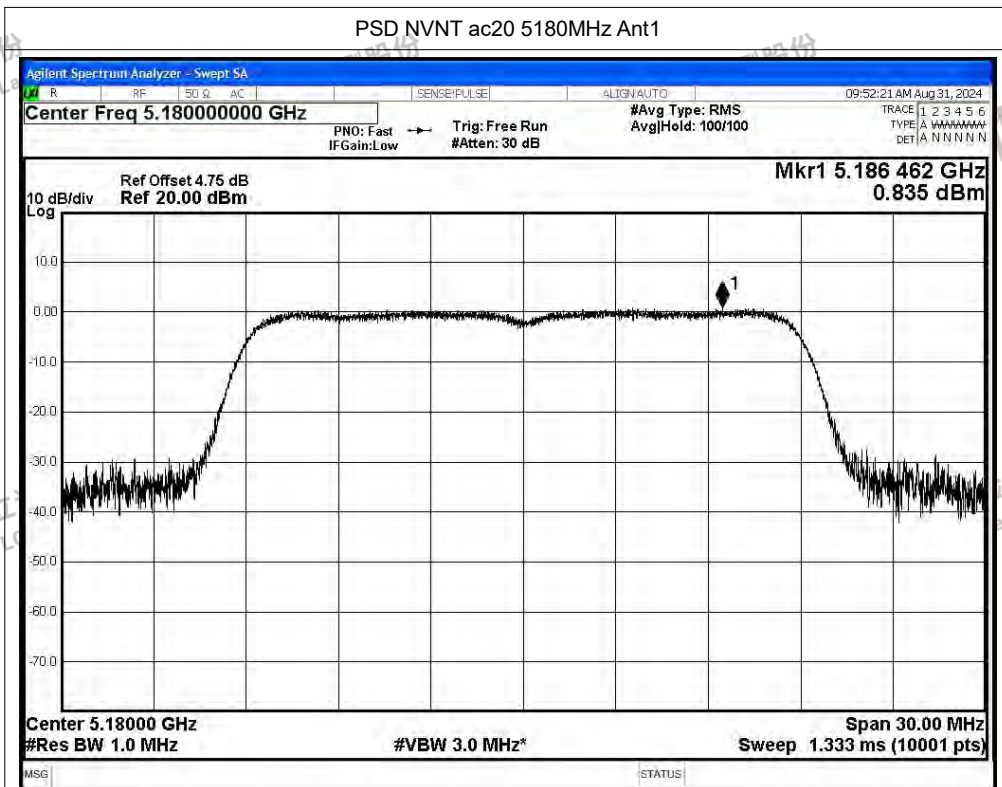


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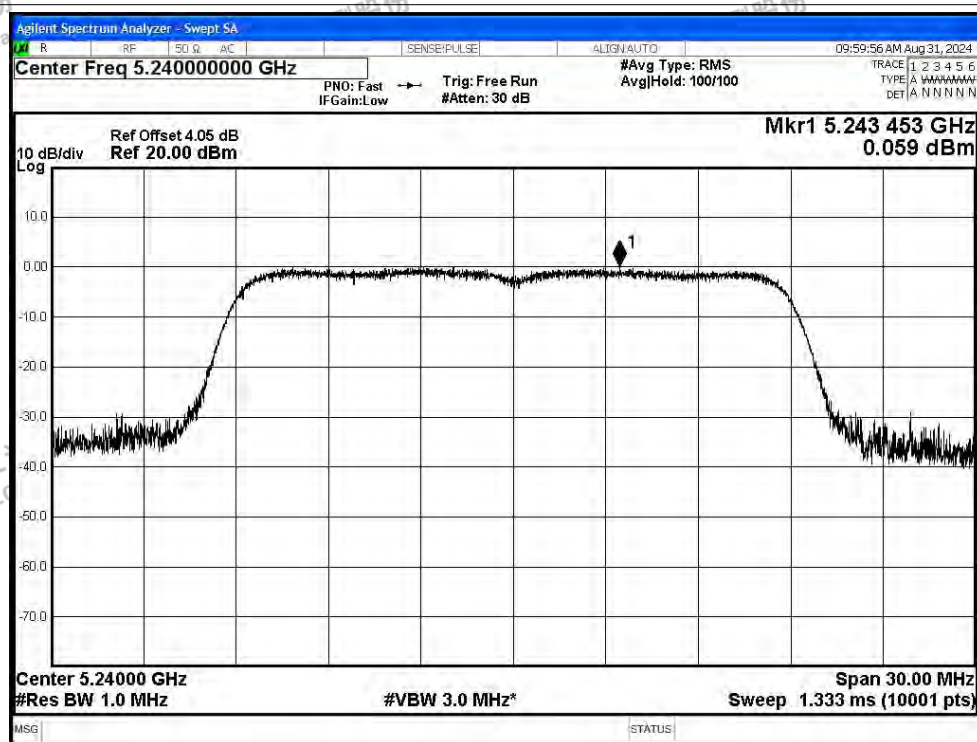
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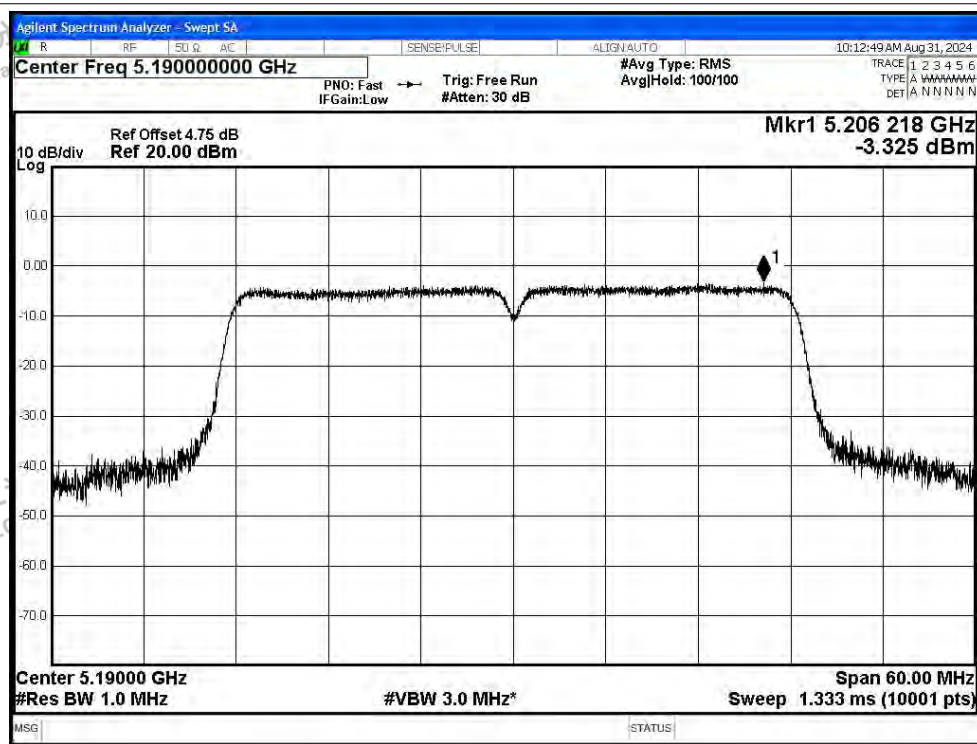
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PSD NVNT ac20 5240MHz Ant1



PSD NVNT ac40 5190MHz Ant1



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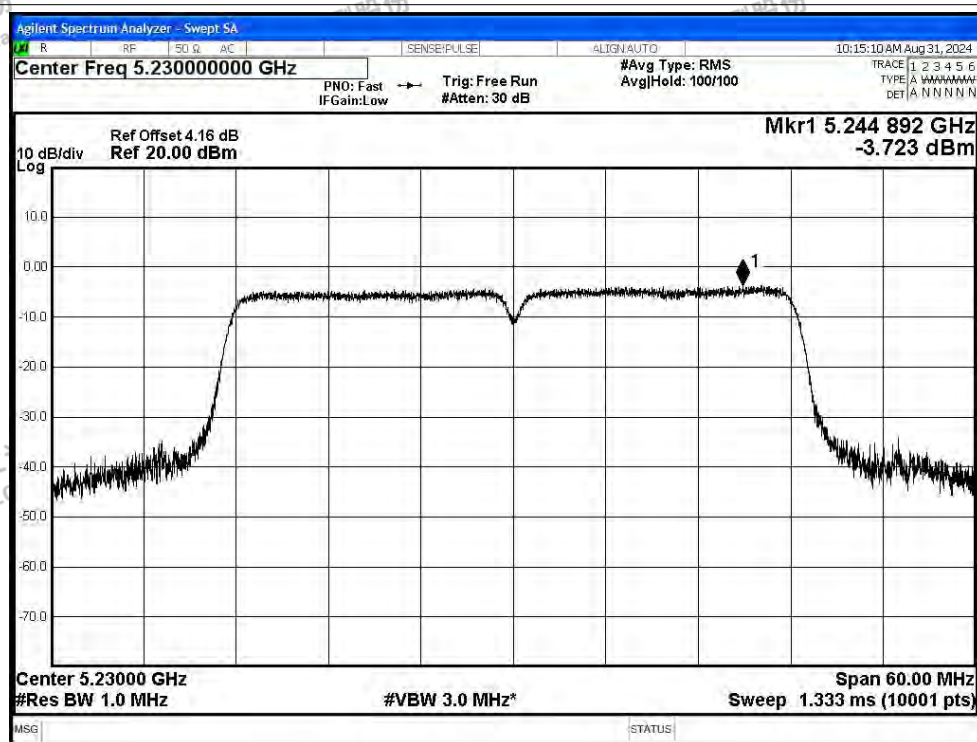
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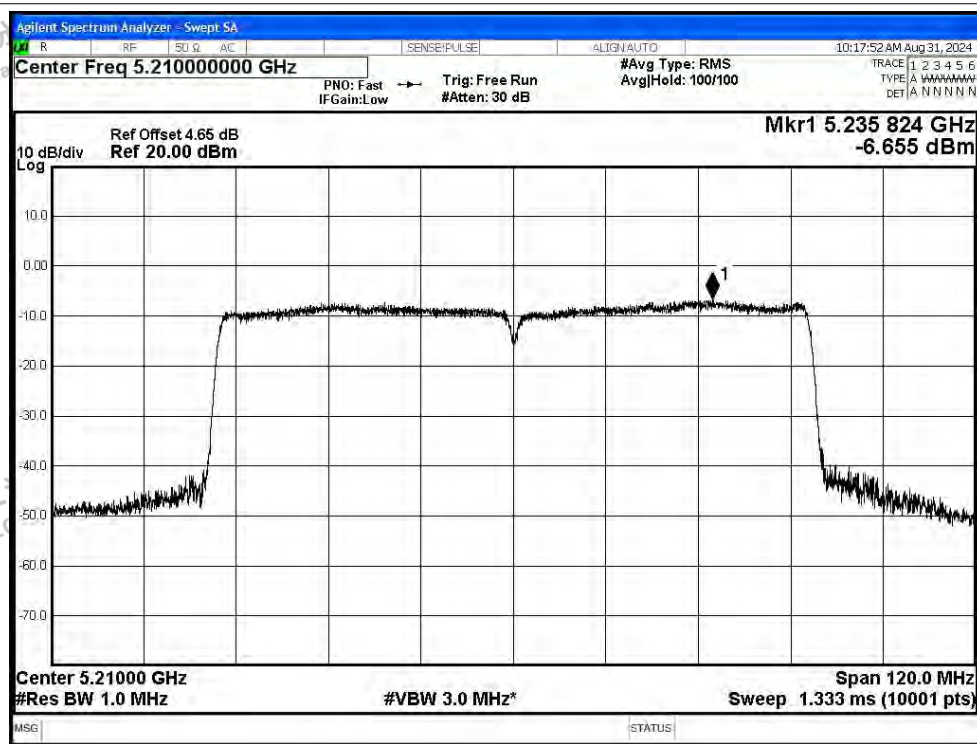
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PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac80 5210MHz Ant1



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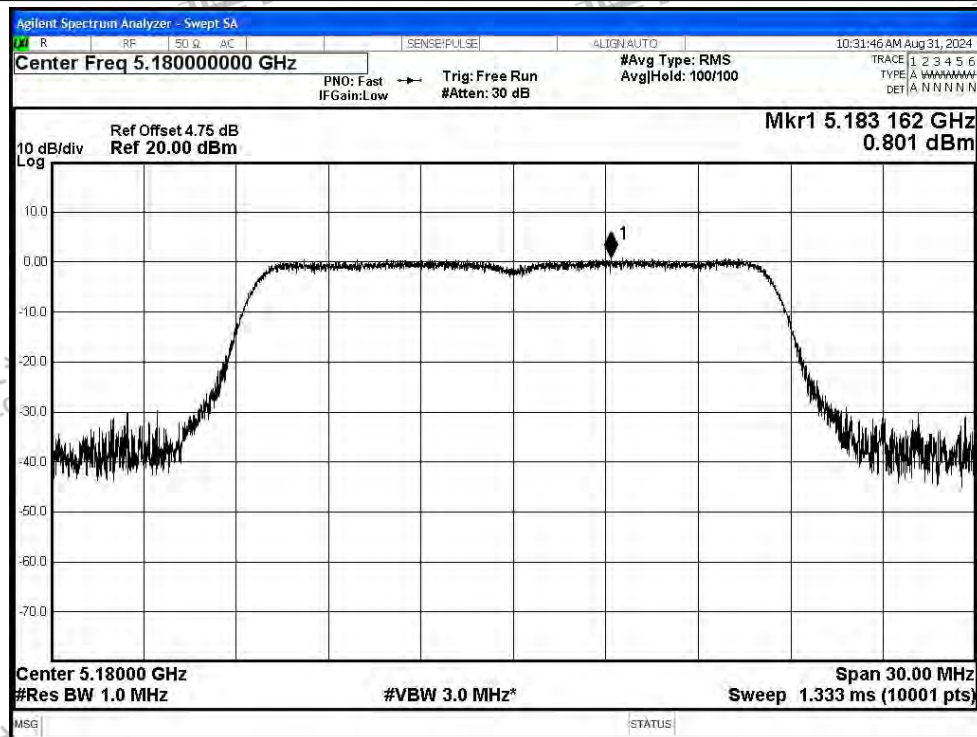
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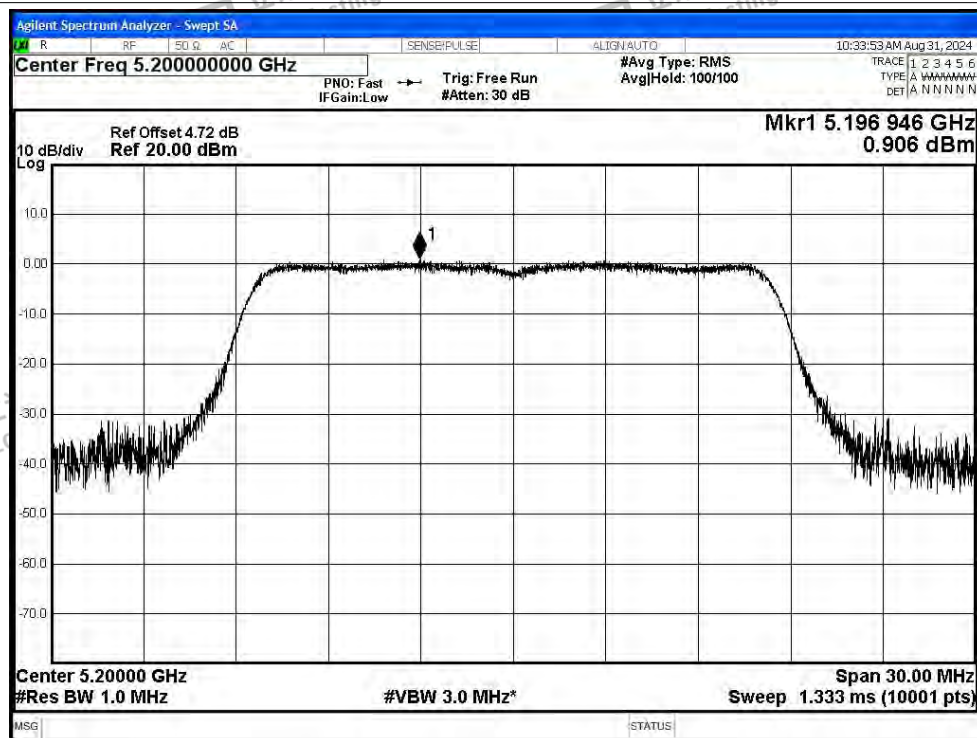


Test Graphs

PSD NVNT a 5180MHz Ant2



PSD NVNT a 5200MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

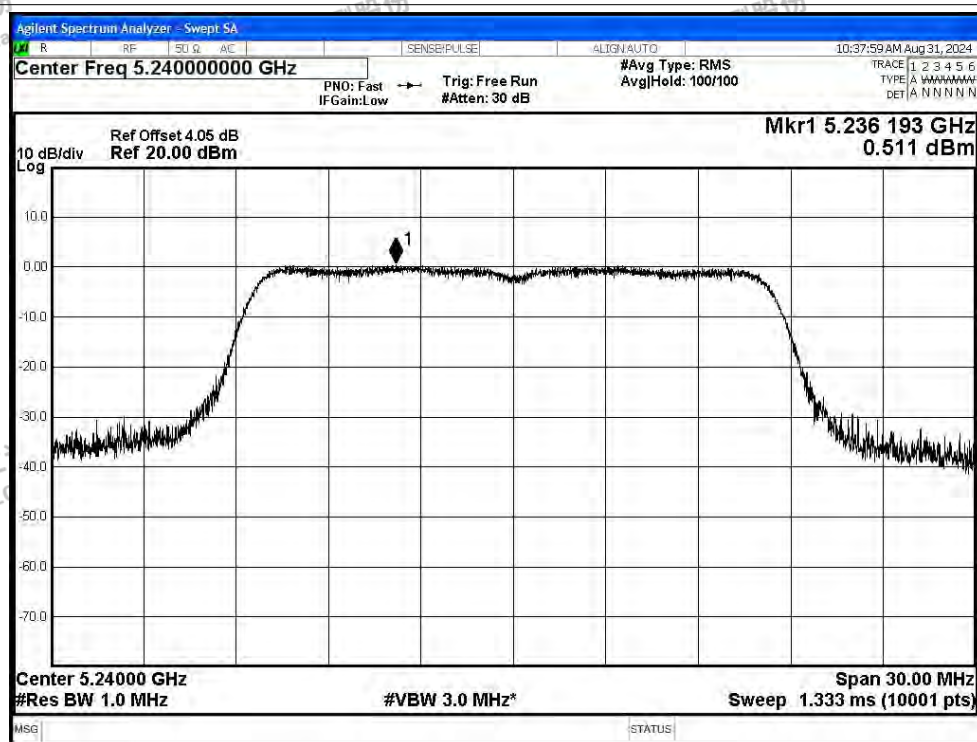
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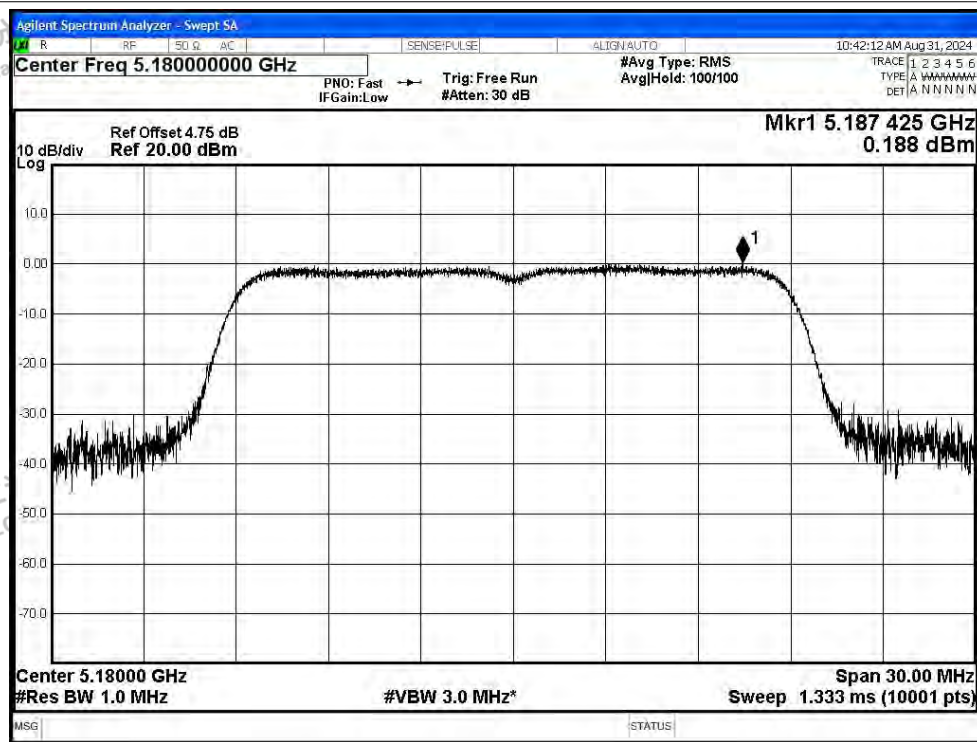
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PSD NVNT a 5240MHz Ant2



PSD NVNT n20 5180MHz Ant2

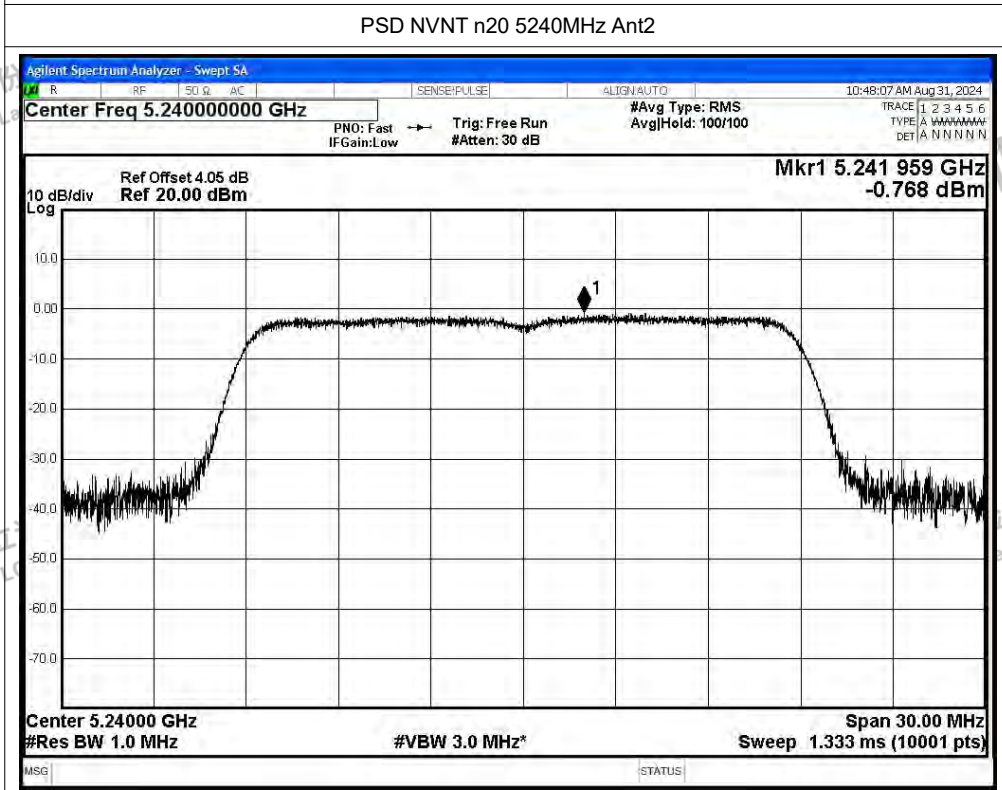
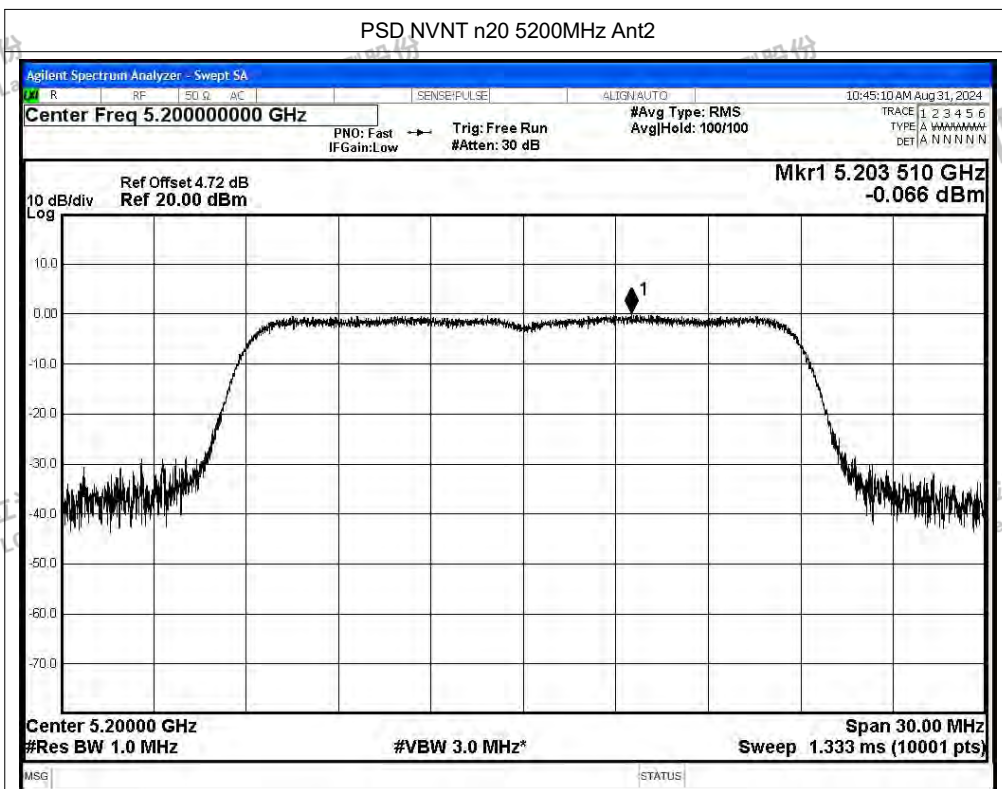


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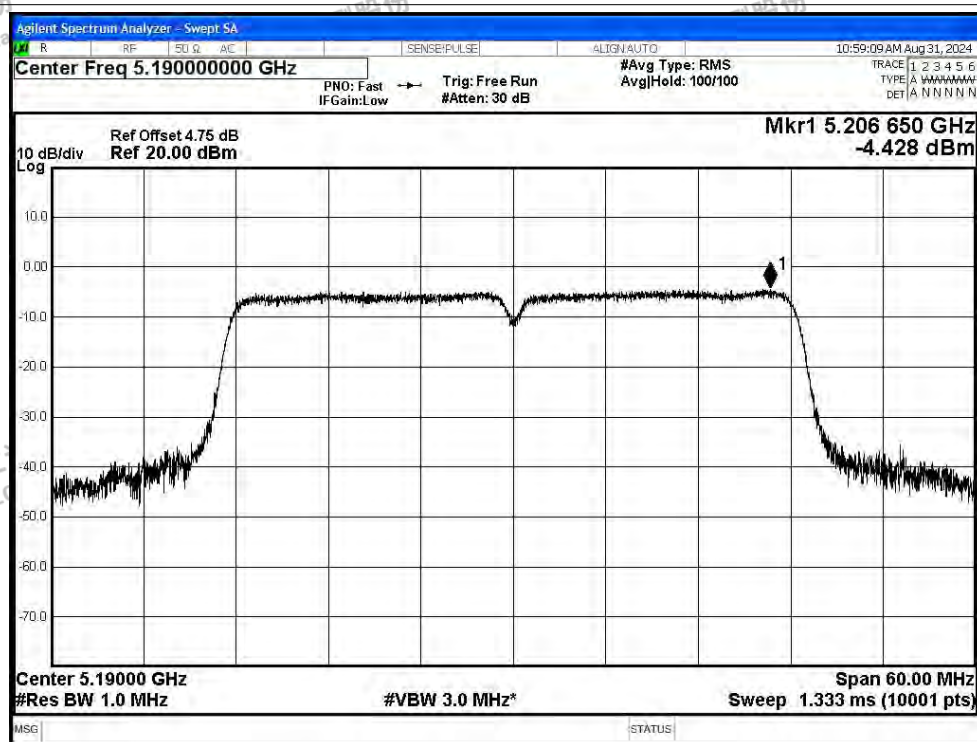
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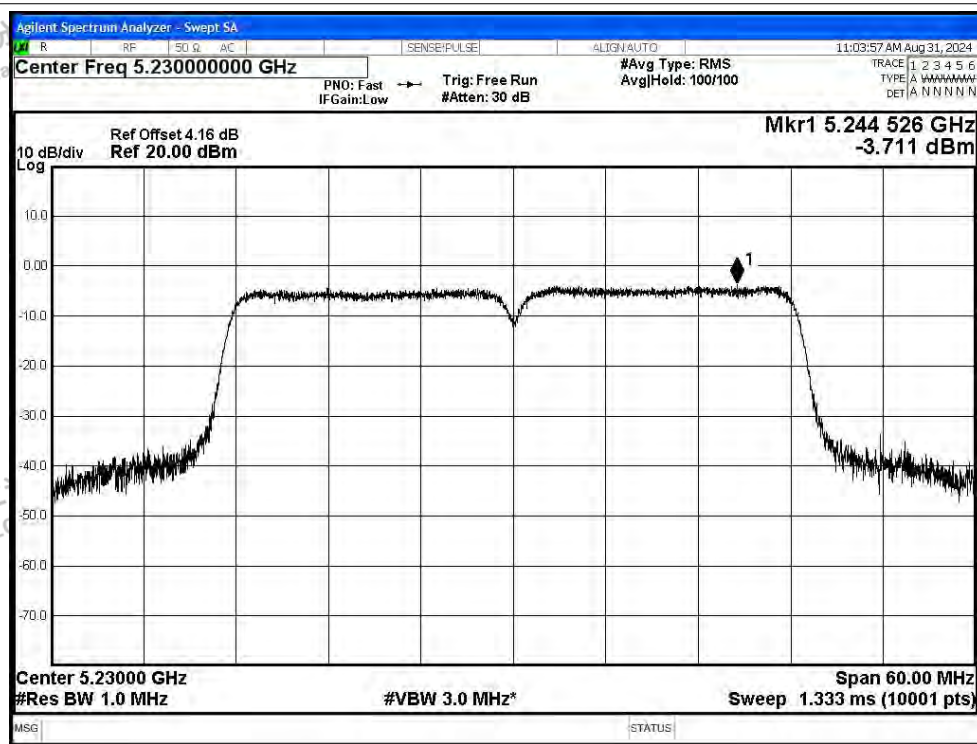
Scan code to check authenticity



PSD NVNT n40 5190MHz Ant2



PSD NVNT n40 5230MHz Ant2



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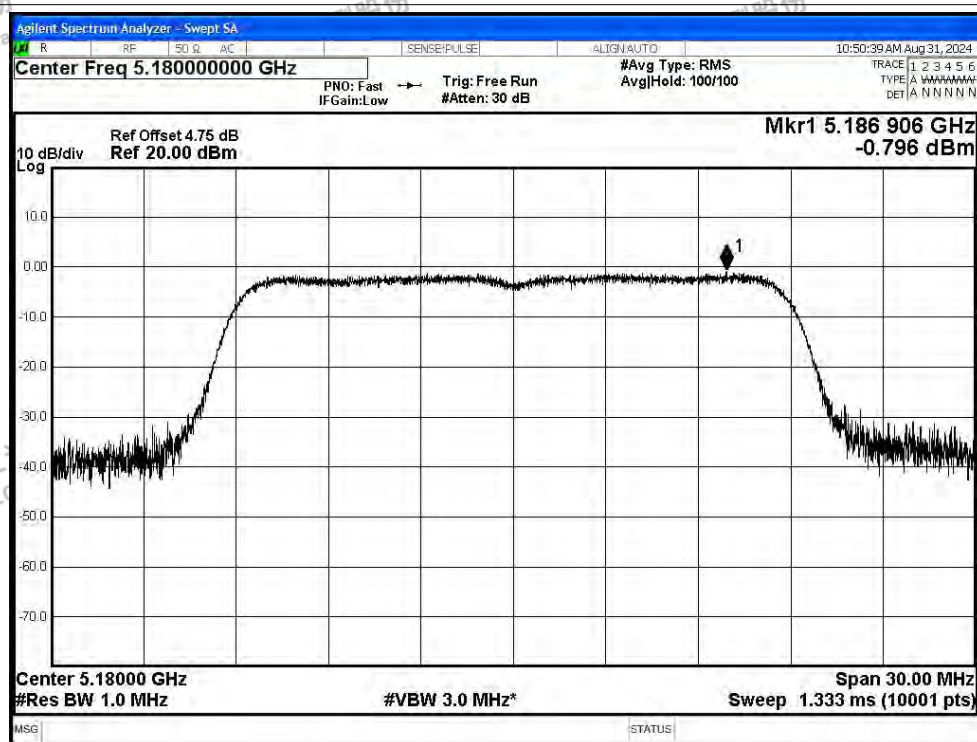
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

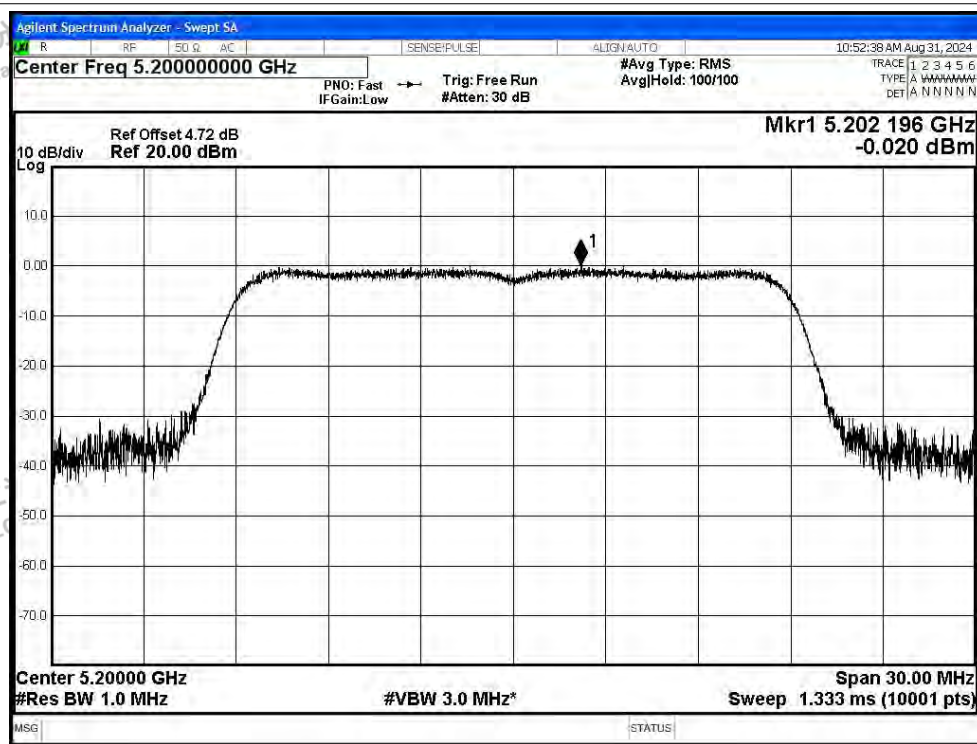
Scan code to check authenticity



PSD NVNT ac20 5180MHz Ant2



PSD NVNT ac20 5200MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

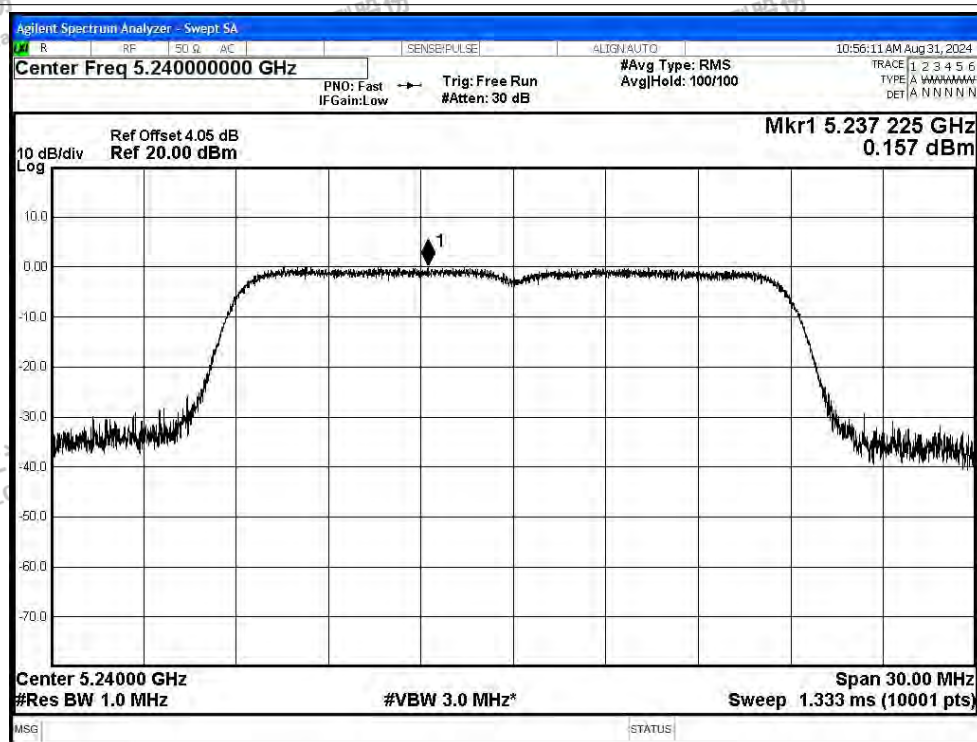
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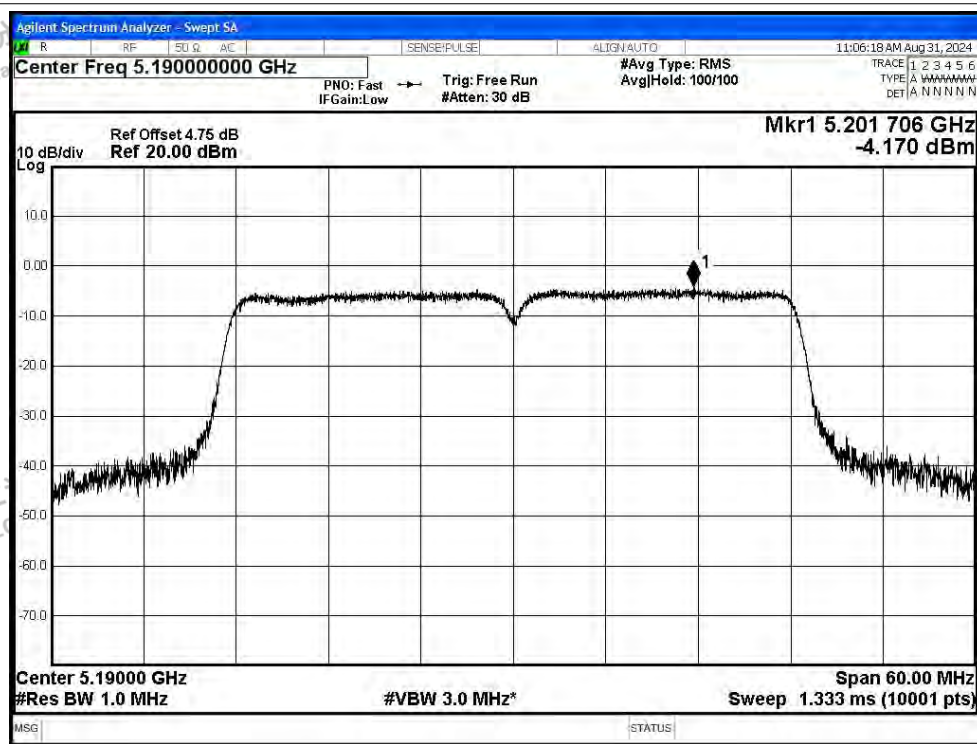
Scan code to check authenticity



PSD NVNT ac20 5240MHz Ant2



PSD NVNT ac40 5190MHz Ant2

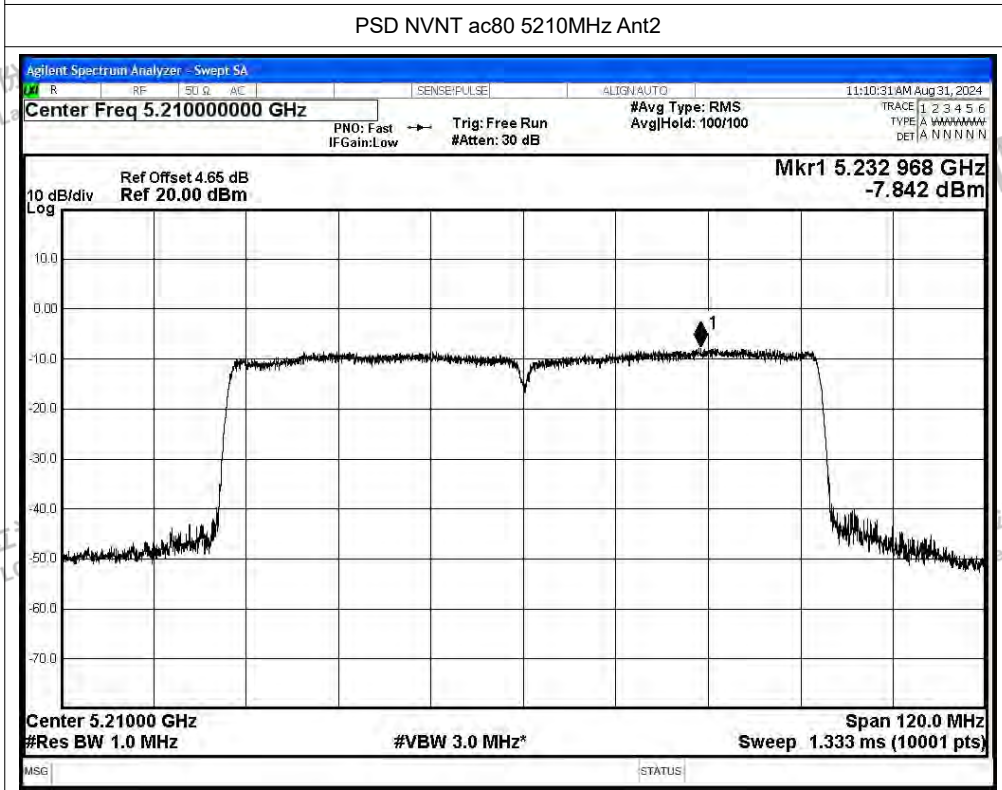
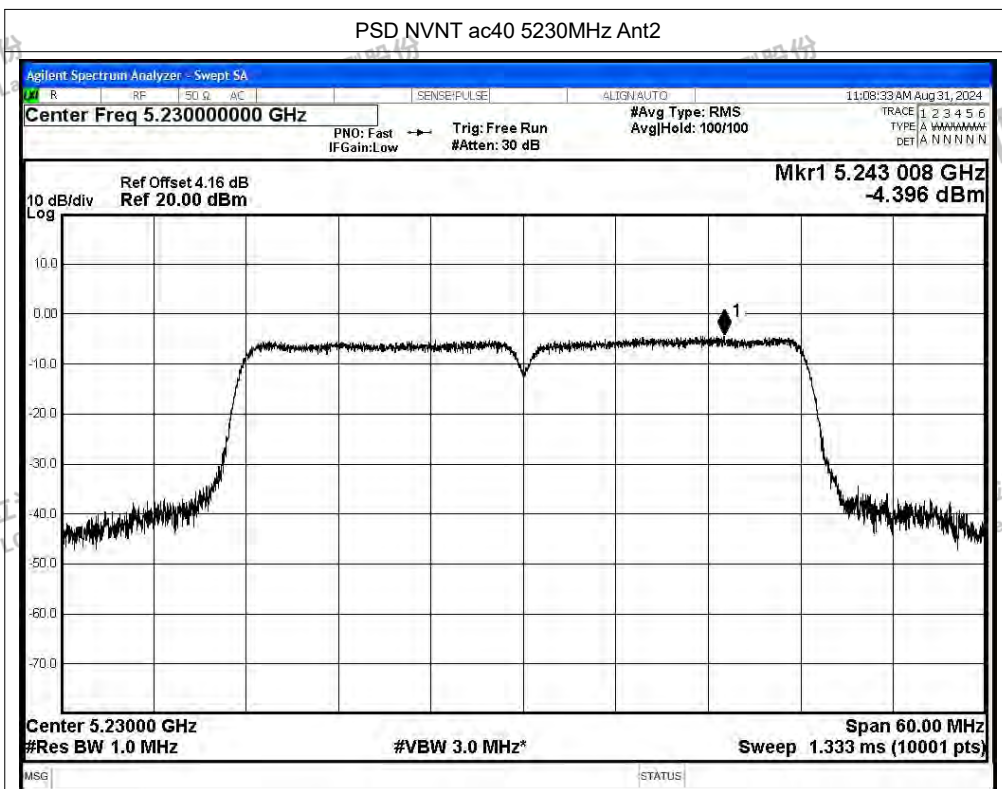


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B.4 Restrict Band

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	-47.97	3	-	50.26	Peak	68.2	Pass
NVNT	a	5180	Ant1	4500	-57.22	3	0.28	41.29	Average	54	Pass
NVNT	a	5180	Ant1	5149.6	-43.05	3	-	55.18	Peak	68.2	Pass
NVNT	a	5180	Ant1	5149.6	-54.03	3	0.28	44.48	Average	54	Pass
NVNT	a	5180	Ant1	5150	-44.38	3	-	53.85	Peak	68.2	Pass
NVNT	a	5180	Ant1	5150	-53.76	3	0.28	44.75	Average	54	Pass
NVNT	a	5240	Ant1	5350	-48.44	3	-	49.79	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350	-56.44	3	0.28	42.07	Average	54	Pass
NVNT	a	5240	Ant1	5379.84	-45.42	3	-	52.81	Peak	68.2	Pass
NVNT	a	5240	Ant1	5351.04	-55.7	3	0.28	42.81	Average	54	Pass
NVNT	a	5240	Ant1	5460	-48.81	3	-	49.42	Peak	68.2	Pass
NVNT	a	5240	Ant1	5460	-57.14	3	0.28	41.37	Average	54	Pass
NVNT	n20	5180	Ant1	4500	-49.43	3	-	48.80	Peak	68.2	Pass
NVNT	n20	5180	Ant1	4500	-57.28	3	0.32	41.27	Average	54	Pass
NVNT	n20	5180	Ant1	5148.2	-38.4	3	-	59.83	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5149.6	-51.73	3	0.32	46.82	Average	54	Pass
NVNT	n20	5180	Ant1	5150	-39.21	3	-	59.02	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5150	-50.93	3	0.32	47.62	Average	54	Pass
NVNT	n20	5240	Ant1	5350	-48.78	3	-	49.45	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350	-55.89	3	0.32	42.66	Average	54	Pass
NVNT	n20	5240	Ant1	5363.76	-46.12	3	-	52.11	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5352.24	-55.76	3	0.32	42.79	Average	54	Pass
NVNT	n20	5240	Ant1	5460	-49.88	3	-	48.35	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5460	-56.99	3	0.32	41.56	Average	54	Pass
NVNT	n40	5190	Ant1	4500	-49.64	3	-	48.59	Peak	68.2	Pass
NVNT	n40	5190	Ant1	4500	-57.44	3	0.51	41.30	Average	54	Pass
NVNT	n40	5190	Ant1	5148.97	-37.63	3	-	60.60	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5148.97	-53.13	3	0.51	45.61	Average	54	Pass
NVNT	n40	5190	Ant1	5150	-39.2	3	-	59.03	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5150	-53.23	3	0.51	45.51	Average	54	Pass
NVNT	n40	5230	Ant1	5350	-47.63	3	-	50.60	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350	-56.59	3	0.5	42.14	Average	54	Pass
NVNT	n40	5230	Ant1	5418.96	-45.67	3	-	52.56	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350.38	-56.12	3	0.5	42.61	Average	54	Pass
NVNT	n40	5230	Ant1	5460	-49.39	3	-	48.84	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5460	-57.12	3	0.5	41.61	Average	54	Pass
NVNT	ac20	5180	Ant1	4500	-50.33	3	-	47.90	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	4500	-57.71	3	0.32	40.84	Average	54	Pass



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NVNT	ac20	5180	Ant1	5148.9	-39.19	3	-	59.04	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5148.2	-50.9	3	0.32	47.65	Average	54	Pass
NVNT	ac20	5180	Ant1	5150	-38.98	3	-	59.25	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5150	-50.71	3	0.32	47.84	Average	54	Pass
NVNT	ac20	5240	Ant1	5350	-47.98	3	-	50.25	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350	-56.27	3	0.32	42.28	Average	54	Pass
NVNT	ac20	5240	Ant1	5455.92	-46.29	3	-	51.94	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5361.6	-55.77	3	0.32	42.78	Average	54	Pass
NVNT	ac20	5240	Ant1	5460	-47.37	3	-	50.86	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5460	-56.9	3	0.32	41.65	Average	54	Pass
NVNT	ac40	5190	Ant1	4500	-47.86	3	-	50.37	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	4500	-56.99	3	0.51	41.75	Average	54	Pass
NVNT	ac40	5190	Ant1	5148.24	-41.4	3	-	56.83	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5149.7	-52.77	3	0.51	45.97	Average	54	Pass
NVNT	ac40	5190	Ant1	5150	-41.91	3	-	56.32	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5150	-52.77	3	0.51	45.97	Average	54	Pass
NVNT	ac40	5230	Ant1	5350	-49.18	3	-	49.05	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350	-56.5	3	0.51	42.24	Average	54	Pass
NVNT	ac40	5230	Ant1	5351.19	-45.59	3	-	52.64	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5420.85	-55.98	3	0.51	42.76	Average	54	Pass
NVNT	ac40	5230	Ant1	5460	-49.06	3	-	49.17	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5460	-57	3	0.51	41.74	Average	54	Pass
NVNT	ac80	5210	Ant1	5350	-48.35	3	-	49.88	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5350	-56.06	3	0.69	42.86	Average	54	Pass
NVNT	ac80	5210	Ant1	5384.1	-45.25	3	-	52.98	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5391.36	-55.69	3	0.69	43.23	Average	54	Pass
NVNT	ac80	5210	Ant1	5460	-49.19	3	-	49.04	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5460	-56.35	3	0.69	42.57	Average	54	Pass
NVNT	ac80	5210	Ant1	4500	-49.67	3	-	48.56	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	4500	-57.79	3	0.69	41.13	Average	54	Pass
NVNT	ac80	5210	Ant1	5148.59	-43.52	3	-	54.71	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5149.38	-52.82	3	0.69	46.10	Average	54	Pass
NVNT	ac80	5210	Ant1	5150	-43.74	3	-	54.49	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5150	-53.25	3	0.69	45.67	Average	54	Pass



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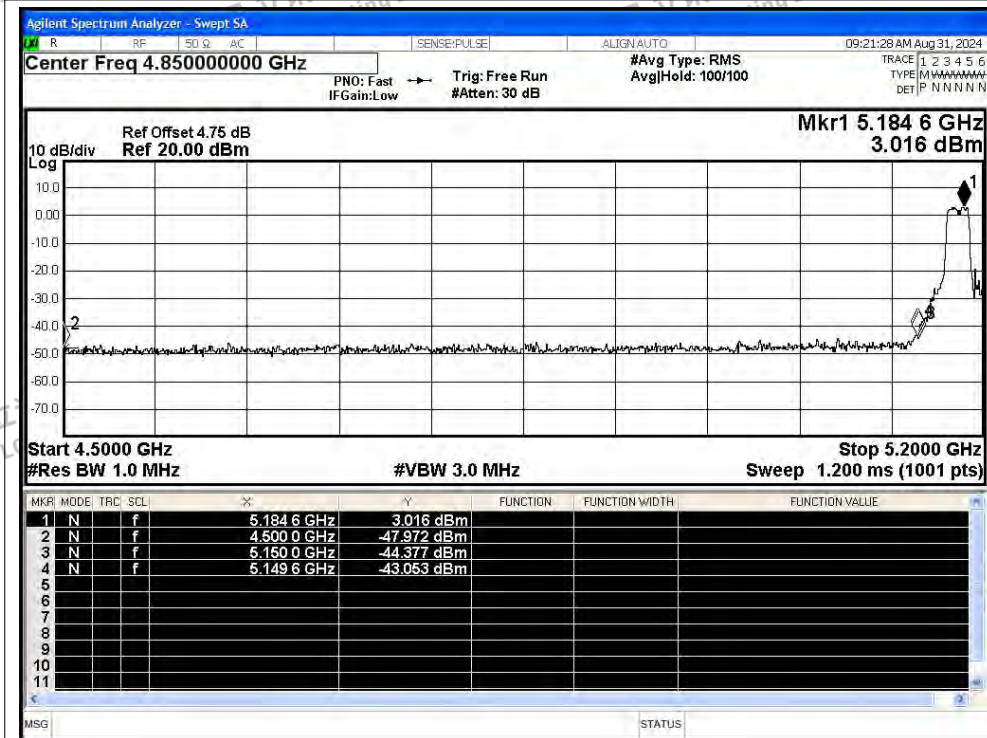
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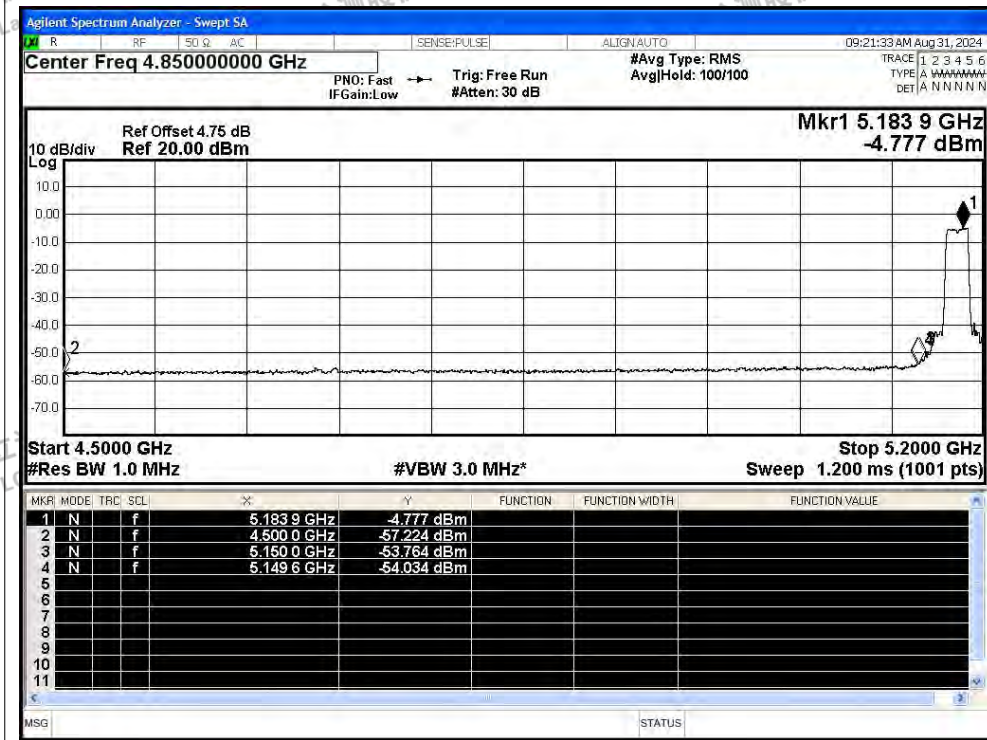


Test Graphs

Restrict Band NVNT a 5180MHz Ant1 Peak



Restrict Band NVNT a 5180MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

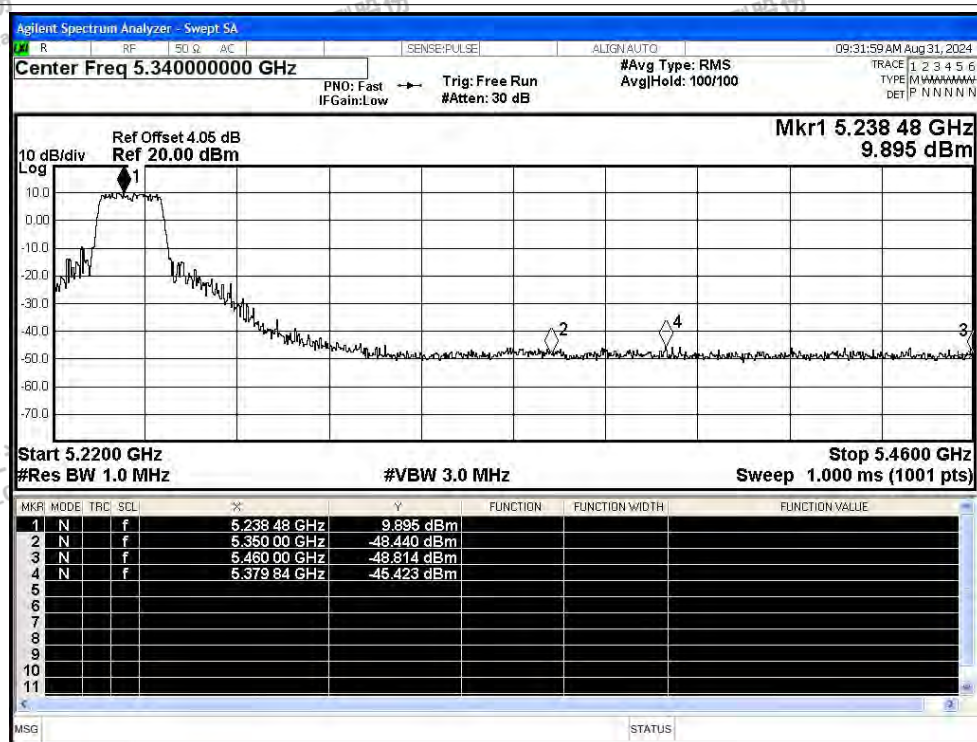
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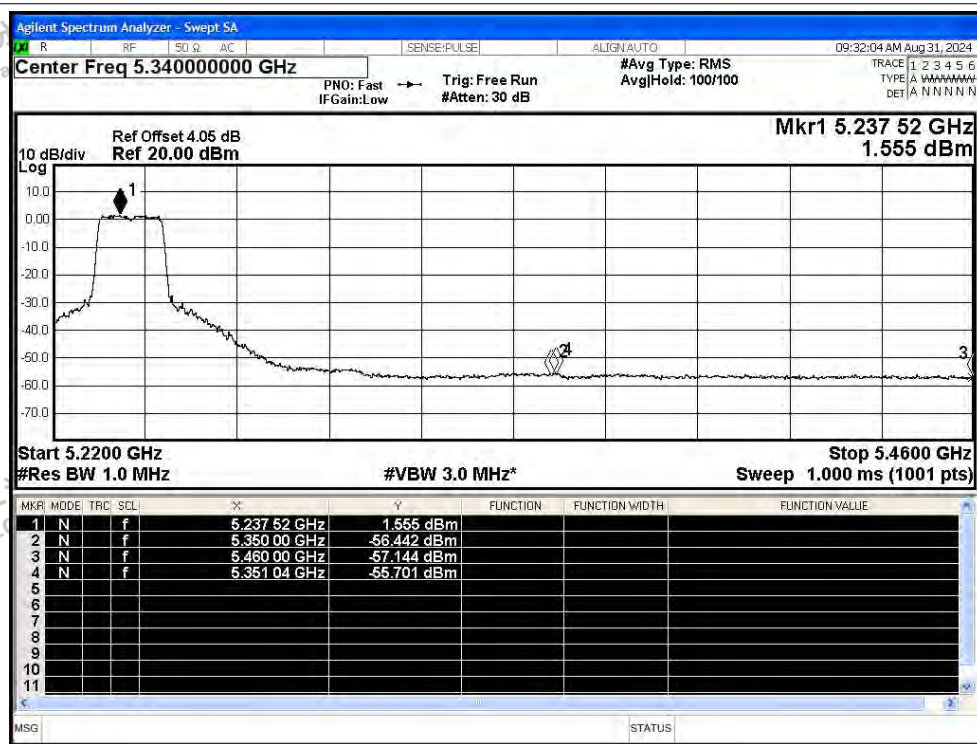
Scan code to check authenticity



Restrict Band NVNT a 5240MHz Ant1 Peak



Restrict Band NVNT a 5240MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

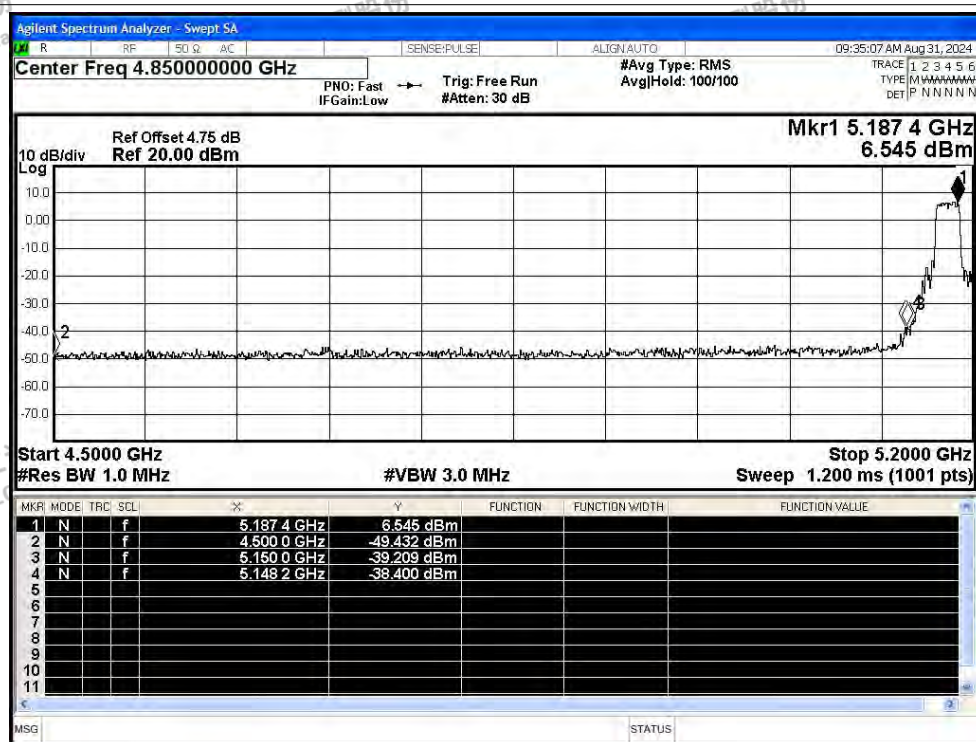
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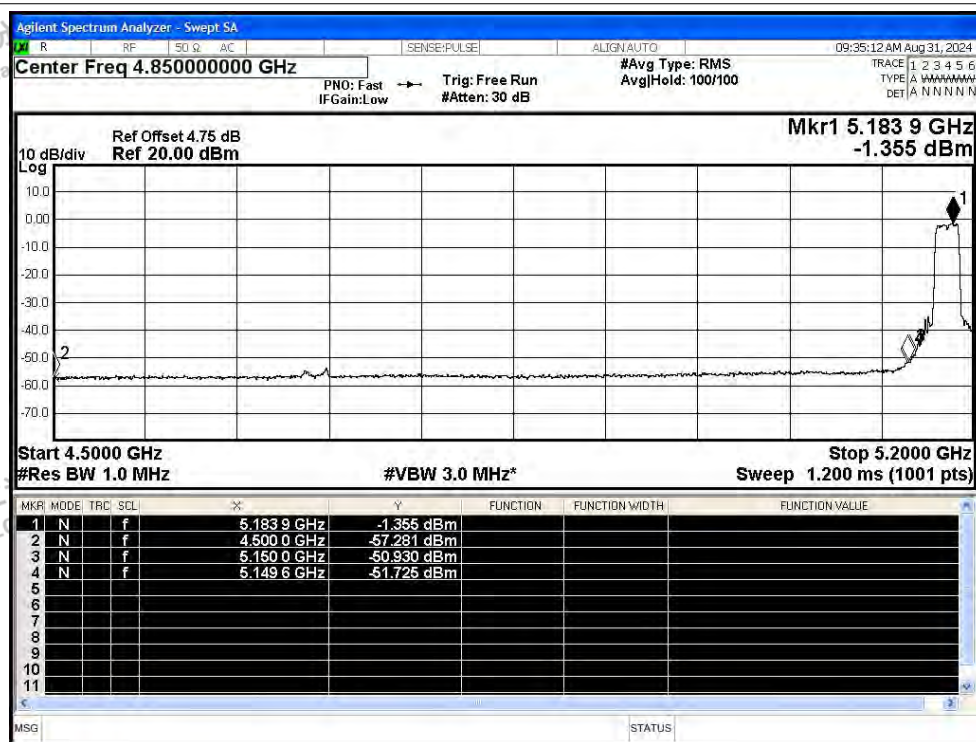
Scan code to check authenticity



Restrict Band NVNT n20 5180MHz Ant1 Peak



Restrict Band NVNT n20 5180MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

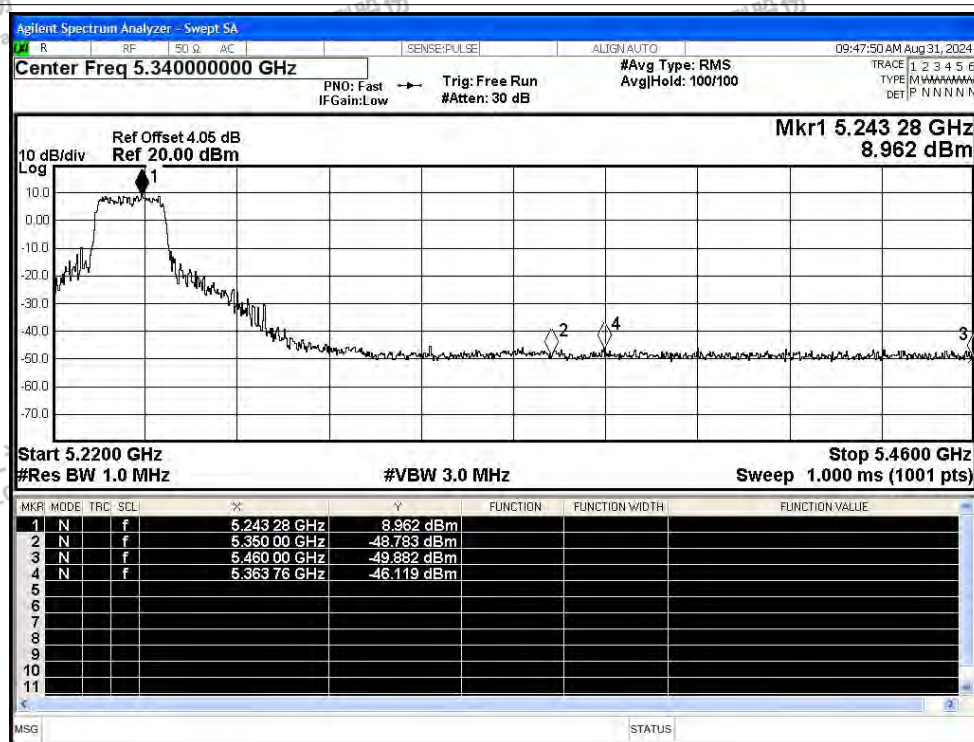
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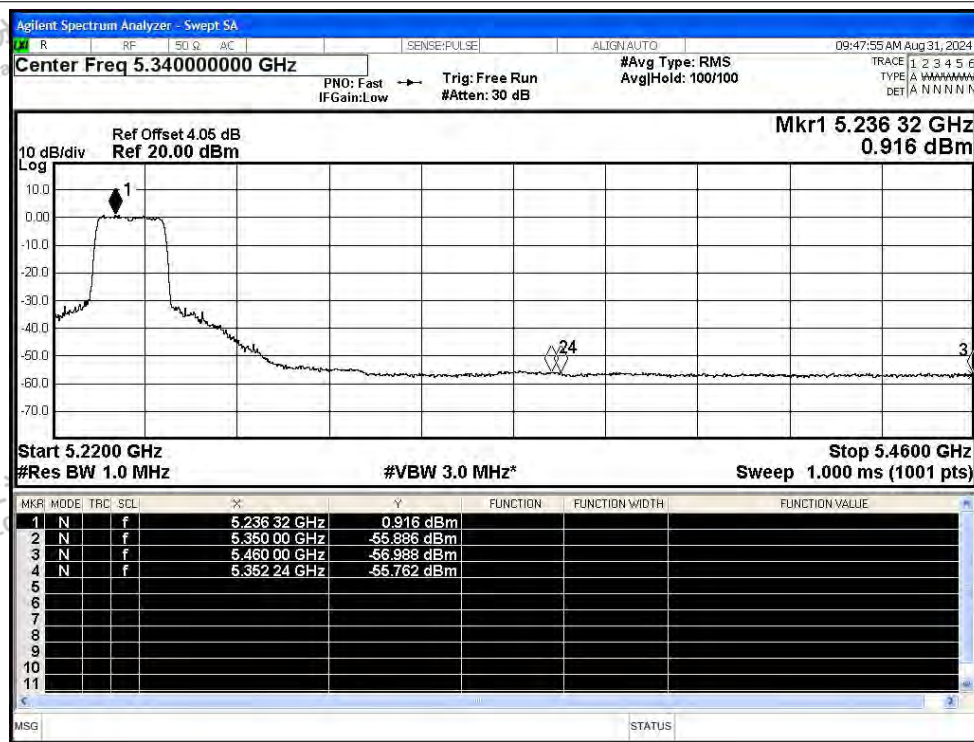
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Restrict Band NVNT n20 5240MHz Ant1 Peak



Restrict Band NVNT n20 5240MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

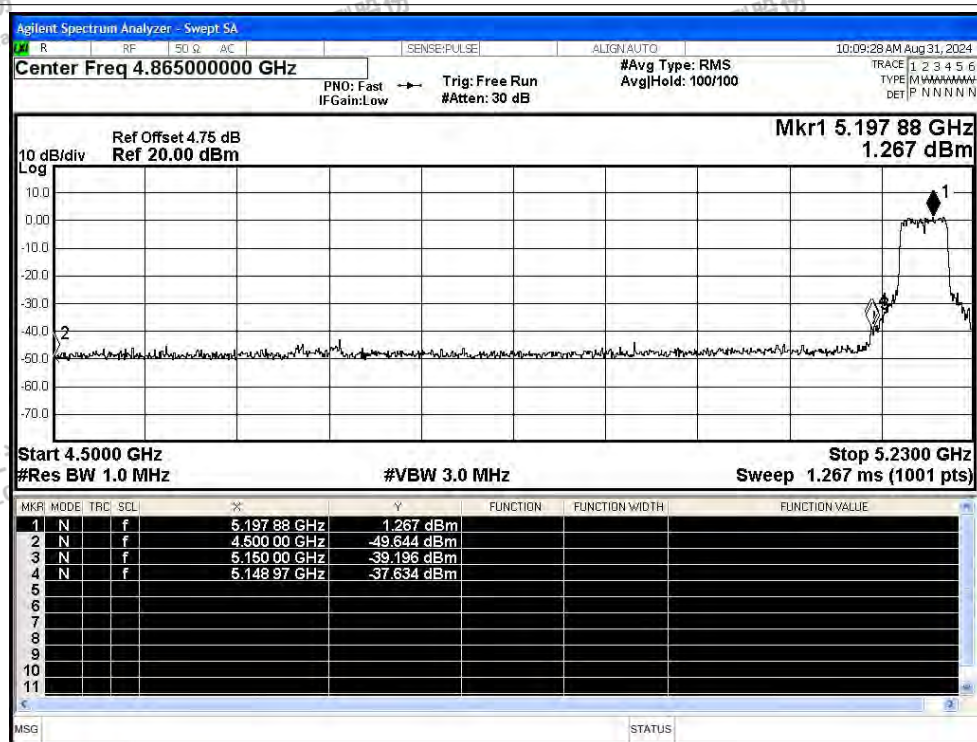
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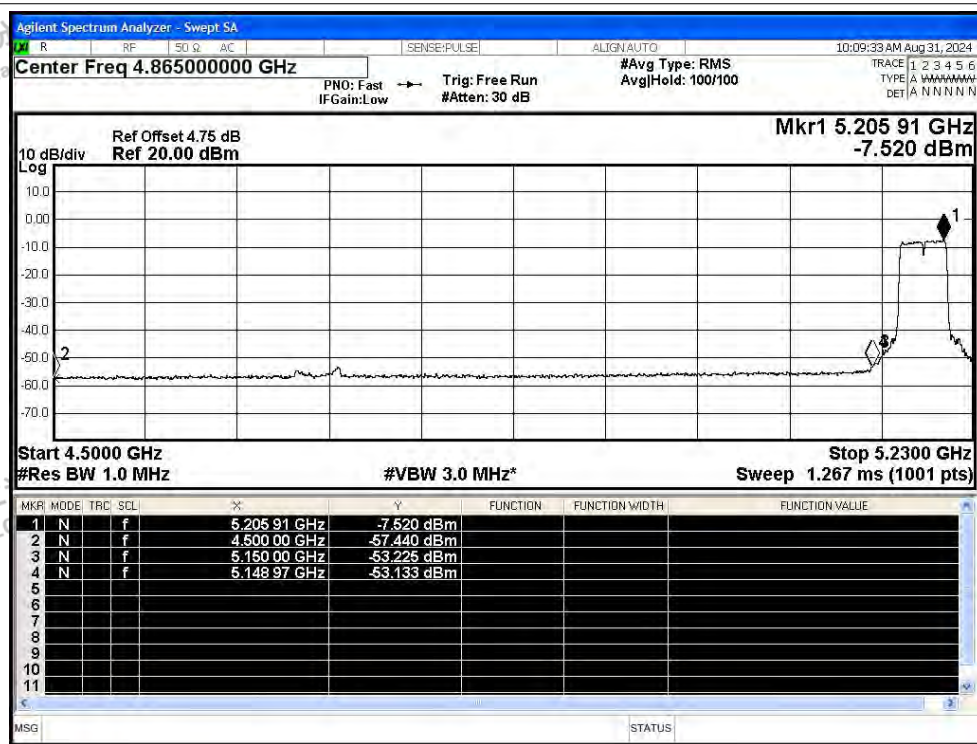
Scan code to check authenticity



Restrict Band NVNT n40 5190MHz Ant1 Peak



Restrict Band NVNT n40 5190MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

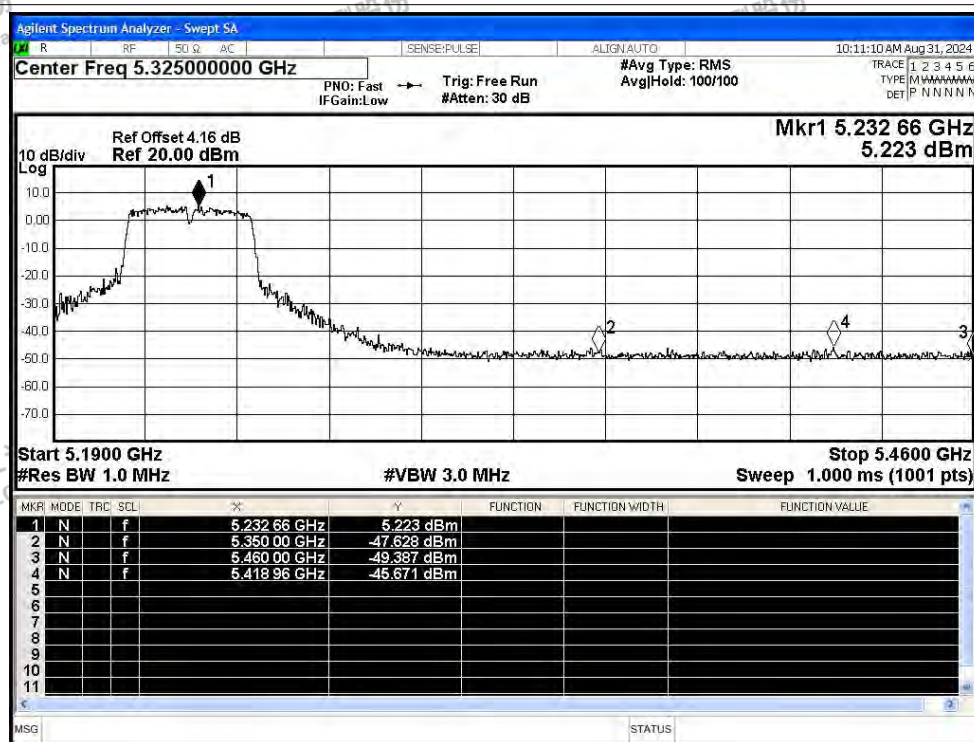
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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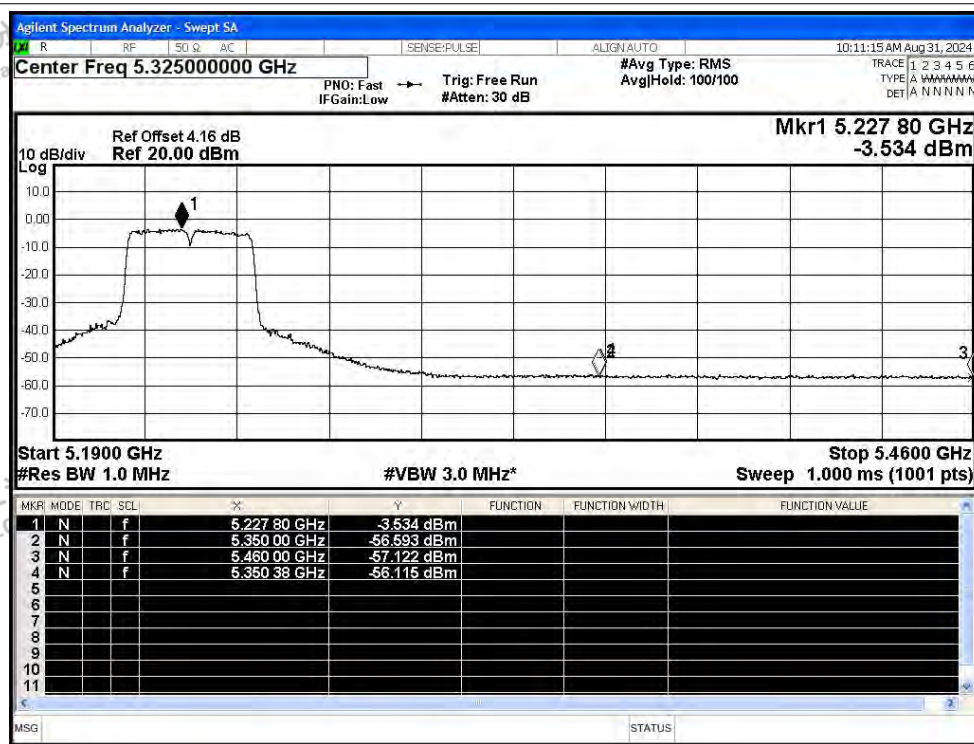
Scan code to check authenticity



Restrict Band NVNT n40 5230MHz Ant1 Peak



Restrict Band NVNT n40 5230MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

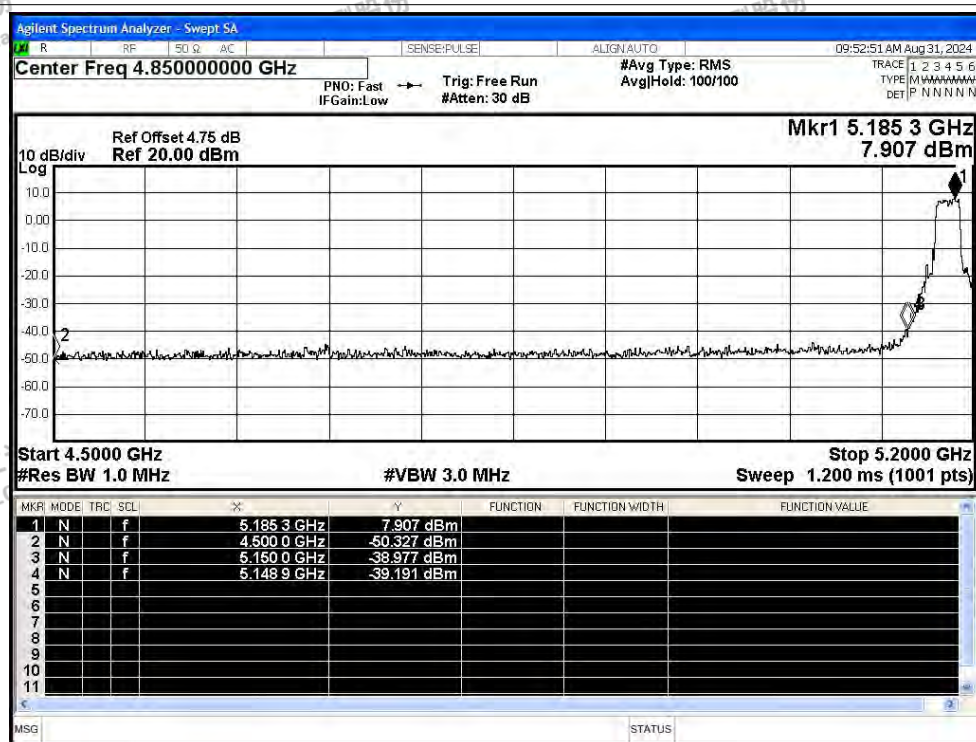
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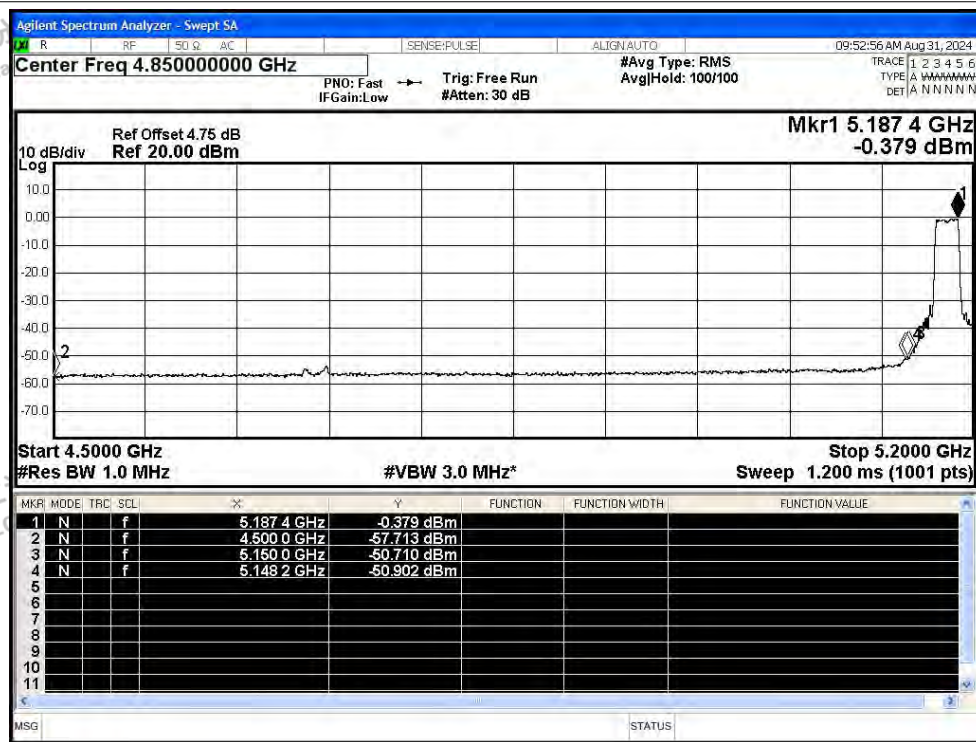
Scan code to check authenticity



Restrict Band NVNT ac20 5180MHz Ant1 Peak



Restrict Band NVNT ac20 5180MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

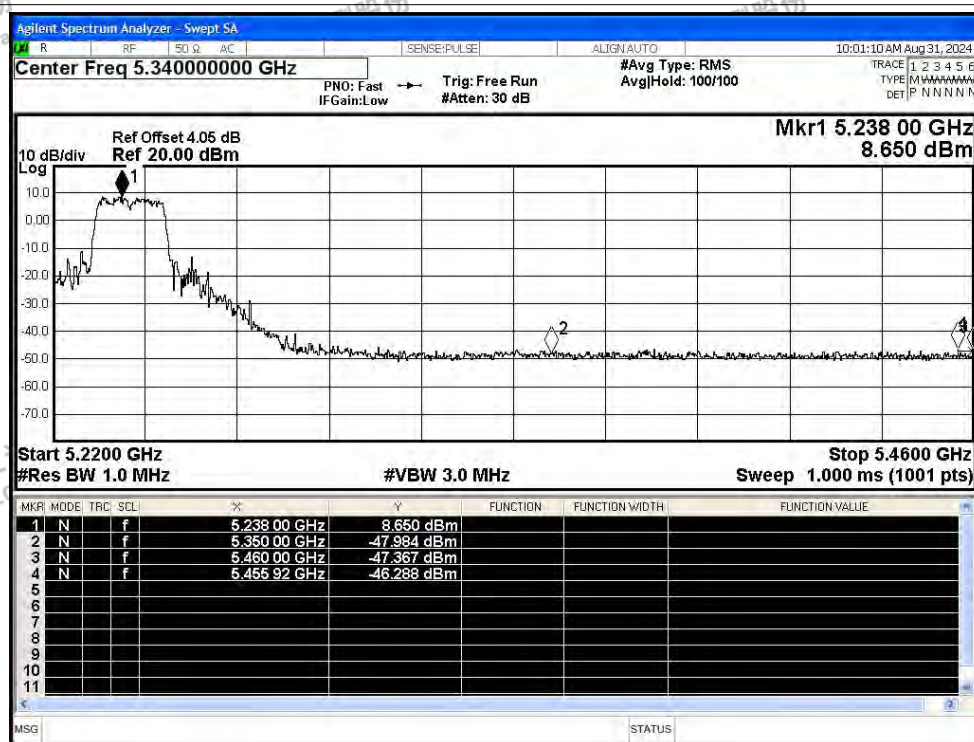
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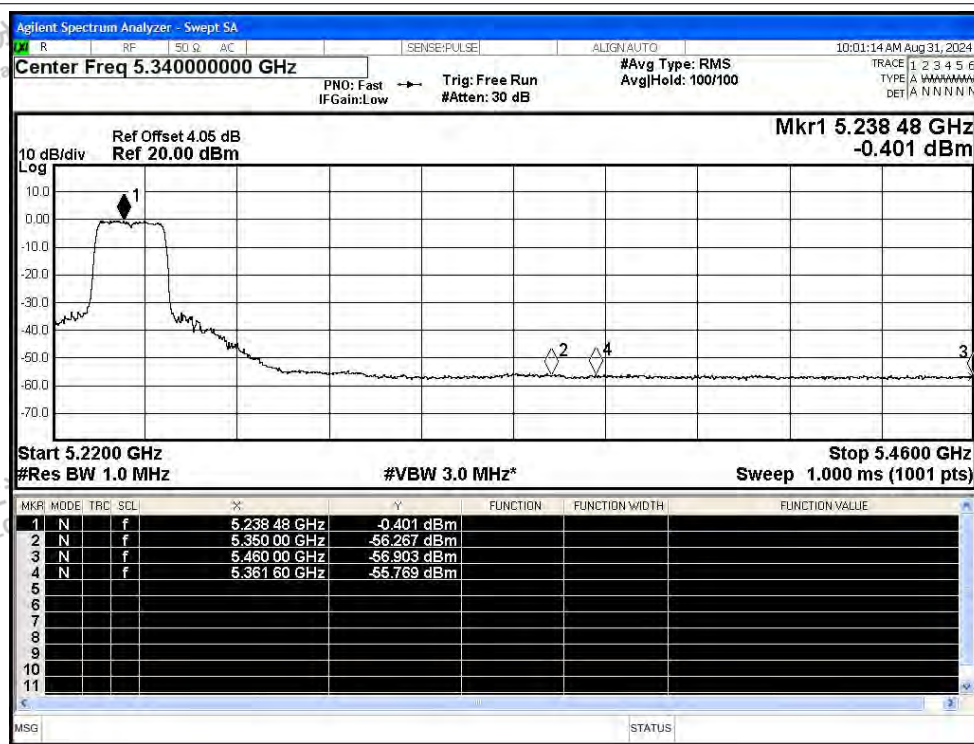
Scan code to check authenticity



Restrict Band NVNT ac20 5240MHz Ant1 Peak



Restrict Band NVNT ac20 5240MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

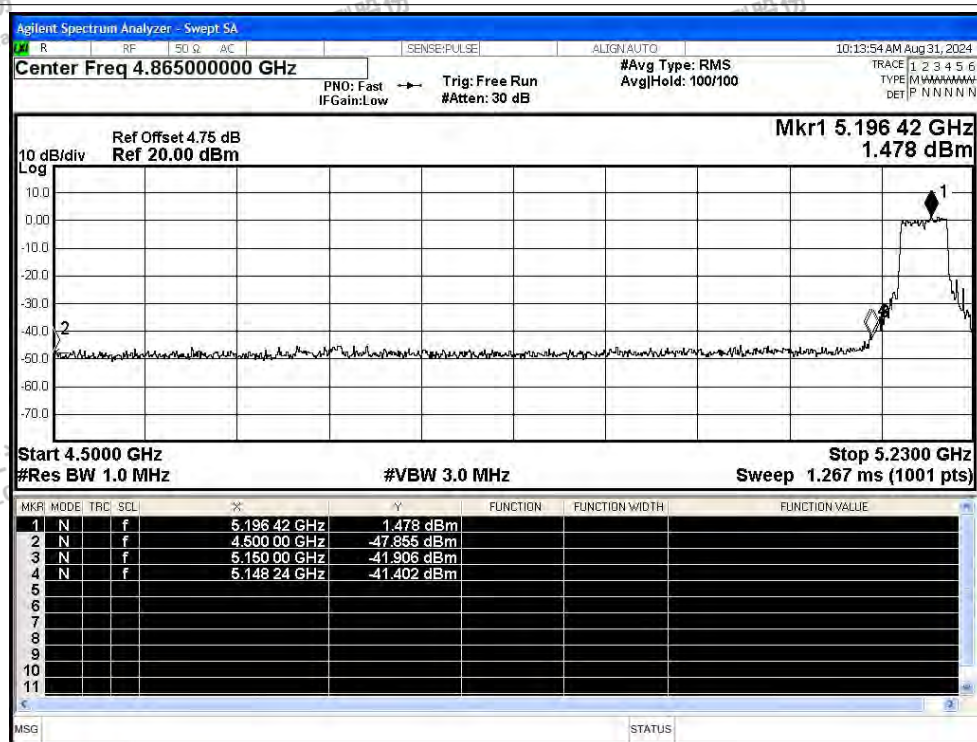
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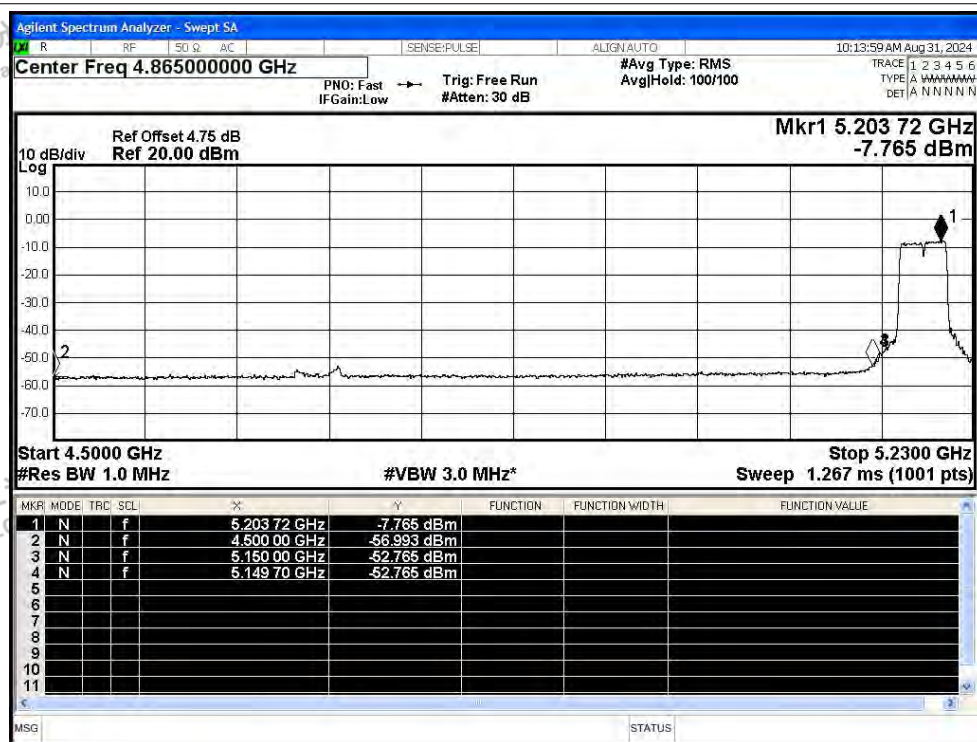
Scan code to check authenticity



Restrict Band NVNT ac40 5190MHz Ant1 Peak



Restrict Band NVNT ac40 5190MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

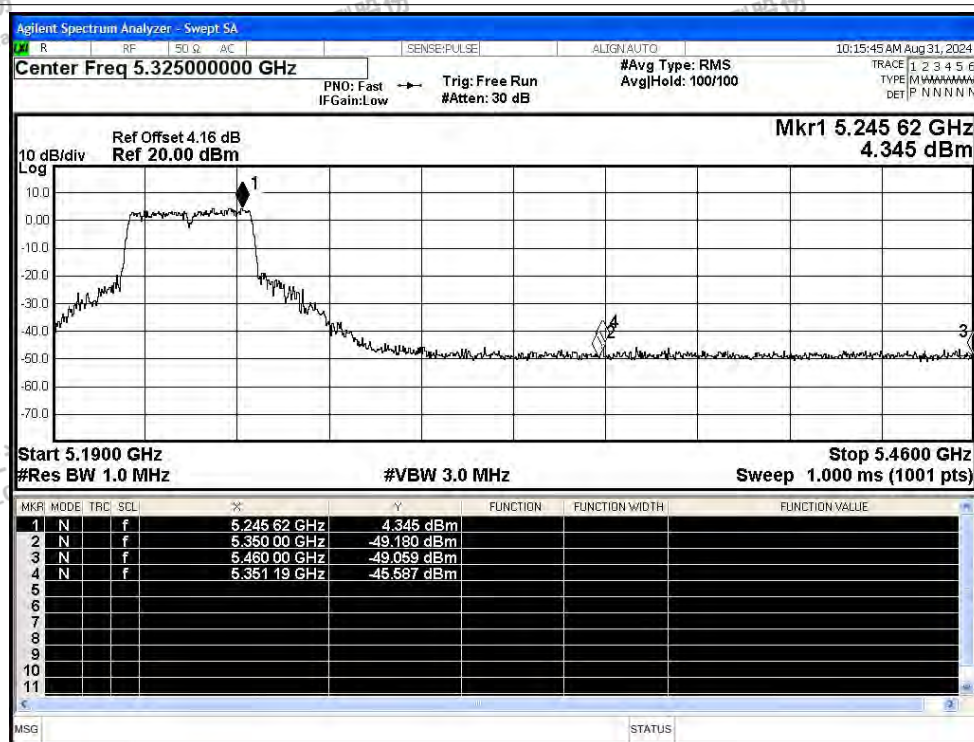
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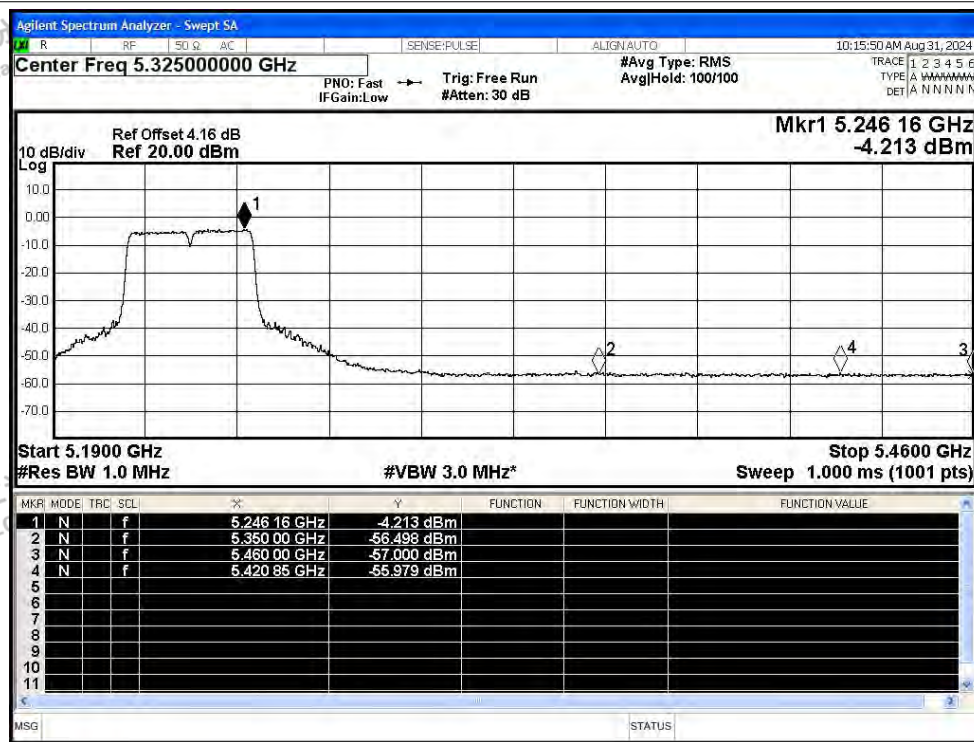
Scan code to check authenticity



Restrict Band NVNT ac40 5230MHz Ant1 Peak



Restrict Band NVNT ac40 5230MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

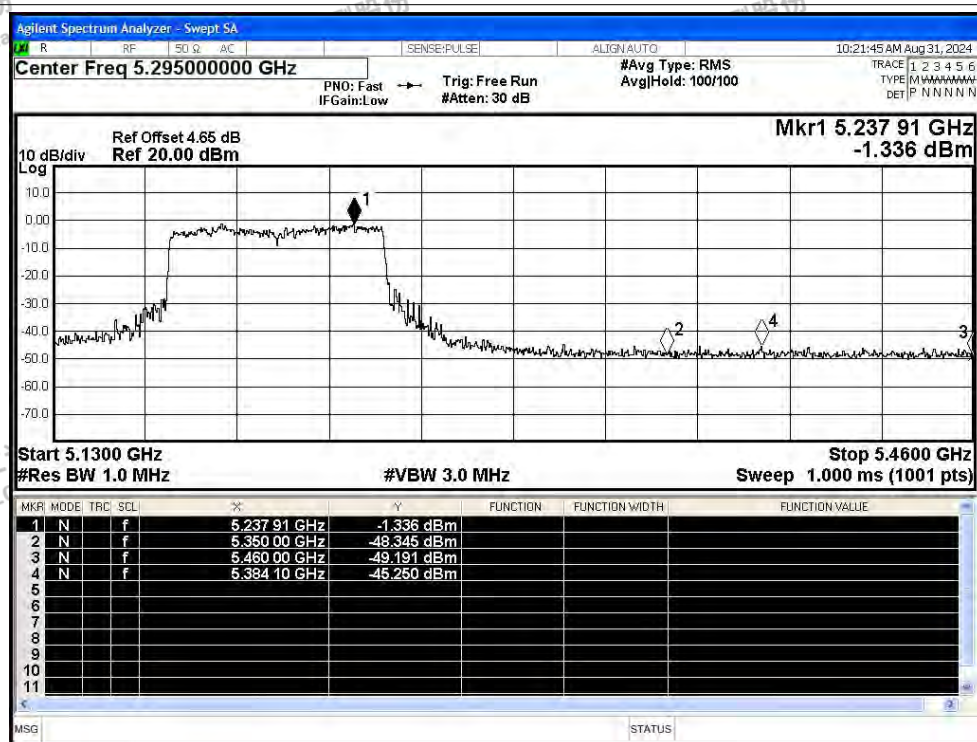
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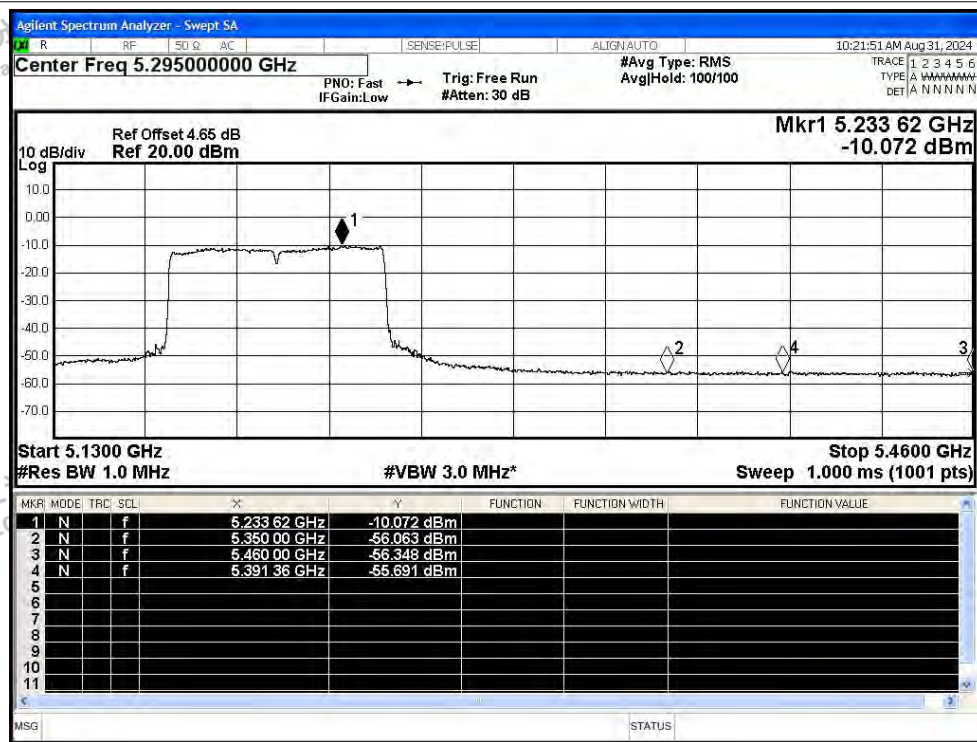
Scan code to check authenticity



Restrict Band NVNT ac80 5210MHz Ant1 Peak



Restrict Band NVNT ac80 5210MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

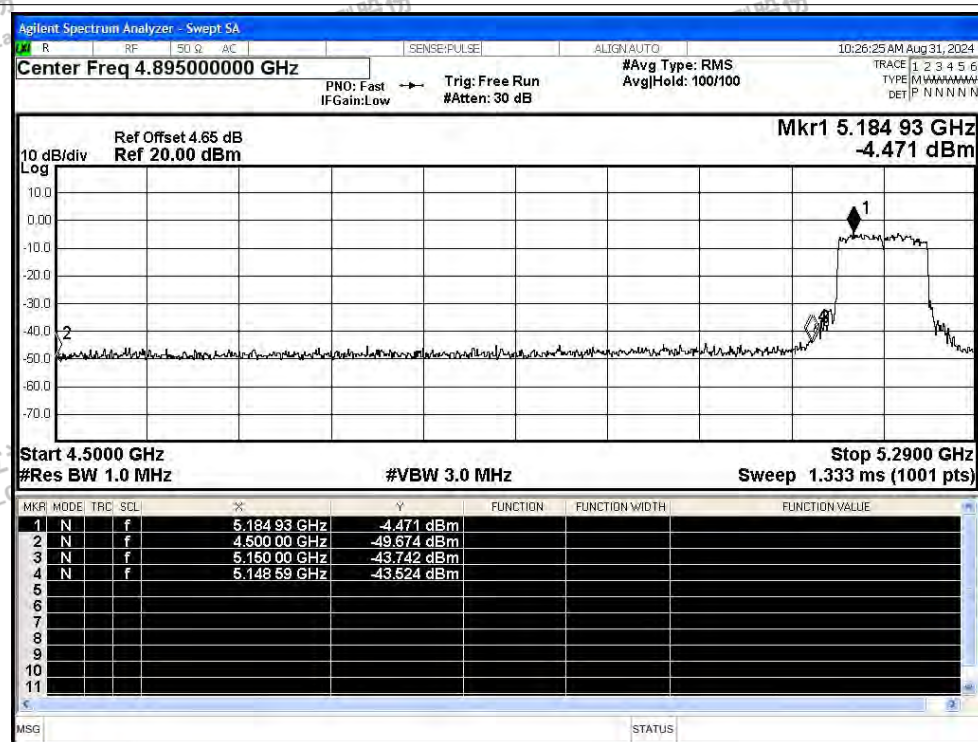
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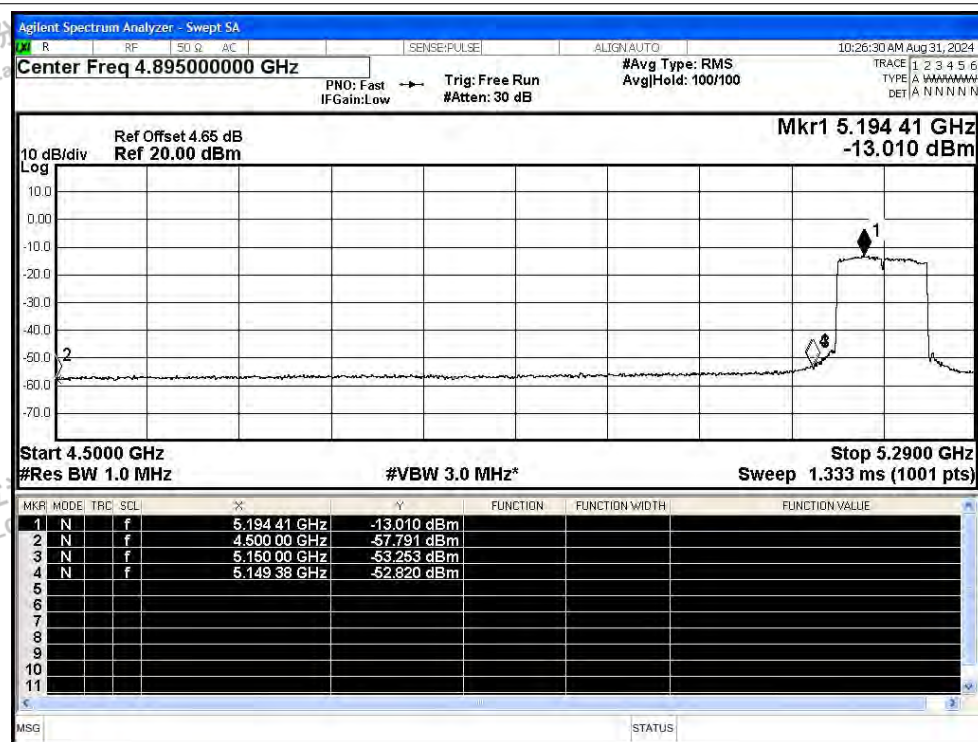
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Restrict Band NVNT ac80 5210MHz Ant1 Peak



Restrict Band NVNT ac80 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	-48.91	3	-	49.32	Peak	68.2	Pass
NVNT	a	5180	Ant2	4500	-57.35	3	0.27	41.15	Average	54	Pass
NVNT	a	5180	Ant2	5149.6	-42.58	3	-	55.65	Peak	68.2	Pass
NVNT	a	5180	Ant2	5148.2	-54.08	3	0.27	44.42	Average	54	Pass
NVNT	a	5180	Ant2	5150	-42.58	3	-	55.65	Peak	68.2	Pass
NVNT	a	5180	Ant2	5150	-54.44	3	0.27	44.06	Average	54	Pass
NVNT	a	5240	Ant2	5350	-48.95	3	-	49.28	Peak	68.2	Pass
NVNT	a	5240	Ant2	5350	-56.38	3	0.28	42.13	Average	54	Pass
NVNT	a	5240	Ant2	5435.28	-45.89	3	-	52.34	Peak	68.2	Pass
NVNT	a	5240	Ant2	5367.84	-55.86	3	0.28	42.65	Average	54	Pass
NVNT	a	5240	Ant2	5460	-48.97	3	-	49.26	Peak	68.2	Pass
NVNT	a	5240	Ant2	5460	-57.75	3	0.28	40.76	Average	54	Pass
NVNT	n20	5180	Ant2	4500	-49.05	3	-	49.18	Peak	68.2	Pass
NVNT	n20	5180	Ant2	4500	-57.37	3	0.32	41.18	Average	54	Pass
NVNT	n20	5180	Ant2	5148.9	-41.57	3	-	56.66	Peak	68.2	Pass
NVNT	n20	5180	Ant2	5148.2	-53.71	3	0.32	44.84	Average	54	Pass
NVNT	n20	5180	Ant2	5150	-42.76	3	-	55.47	Peak	68.2	Pass
NVNT	n20	5180	Ant2	5150	-53.04	3	0.32	45.51	Average	54	Pass
NVNT	n20	5240	Ant2	5350	-49.69	3	-	48.54	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5350	-56.79	3	0.32	41.76	Average	54	Pass
NVNT	n20	5240	Ant2	5445.12	-46.01	3	-	52.22	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5385.12	-56.09	3	0.32	42.46	Average	54	Pass
NVNT	n20	5240	Ant2	5460	-49.95	3	-	48.28	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5460	-57.17	3	0.32	41.38	Average	54	Pass
NVNT	n40	5190	Ant2	4500	-49.33	3	-	48.90	Peak	68.2	Pass
NVNT	n40	5190	Ant2	4500	-57.65	3	0.5	41.08	Average	54	Pass
NVNT	n40	5190	Ant2	5148.24	-40.45	3	-	57.78	Peak	68.2	Pass
NVNT	n40	5190	Ant2	4727.03	-52.33	3	0.5	46.40	Average	54	Pass
NVNT	n40	5190	Ant2	5150	-41.13	3	-	57.10	Peak	68.2	Pass
NVNT	n40	5190	Ant2	5150	-52.86	3	0.5	45.87	Average	54	Pass
NVNT	n40	5230	Ant2	5350	-48.7	3	-	49.53	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5350	-56.68	3	0.5	42.05	Average	54	Pass
NVNT	n40	5230	Ant2	5395.2	-46.31	3	-	51.92	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5370.36	-56	3	0.5	42.73	Average	54	Pass
NVNT	n40	5230	Ant2	5460	-50.68	3	-	47.55	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5460	-56.62	3	0.5	42.11	Average	54	Pass
NVNT	ac20	5180	Ant2	4500	-50.15	3	-	48.08	Peak	68.2	Pass
NVNT	ac20	5180	Ant2	4500	-57.77	3	0.32	40.78	Average	54	Pass
NVNT	ac20	5180	Ant2	5149.6	-36.59	3	-	61.64	Peak	68.2	Pass



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NVNT	ac20	5180	Ant2	5148.9	-52.52	3	0.32	46.03	Average	54	Pass
NVNT	ac20	5180	Ant2	5150	-36.56	3	-	61.67	Peak	68.2	Pass
NVNT	ac20	5180	Ant2	5150	-51.84	3	0.32	46.71	Average	54	Pass
NVNT	ac20	5240	Ant2	5350	-48.4	3	-	49.83	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5350	-56.41	3	0.32	42.14	Average	54	Pass
NVNT	ac20	5240	Ant2	5394.24	-46.17	3	-	52.06	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5351.52	-55.94	3	0.32	42.61	Average	54	Pass
NVNT	ac20	5240	Ant2	5460	-50.27	3	-	47.96	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5460	-56.99	3	0.32	41.56	Average	54	Pass
NVNT	ac40	5190	Ant2	4500	-49.17	3	-	49.06	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	4500	-57.44	3	0.51	41.30	Average	54	Pass
NVNT	ac40	5190	Ant2	5148.97	-43.33	3	-	54.90	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	5148.24	-52.96	3	0.51	45.78	Average	54	Pass
NVNT	ac40	5190	Ant2	5150	-43.36	3	-	54.87	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	5150	-53.07	3	0.51	45.67	Average	54	Pass
NVNT	ac40	5230	Ant2	5350	-48.62	3	-	49.61	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5350	-56.71	3	0.51	42.03	Average	54	Pass
NVNT	ac40	5230	Ant2	5363.34	-45.76	3	-	52.47	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5371.98	-55.97	3	0.51	42.77	Average	54	Pass
NVNT	ac40	5230	Ant2	5460	-49.36	3	-	48.87	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5460	-56.91	3	0.51	41.83	Average	54	Pass
NVNT	ac80	5210	Ant2	5350	-48.86	3	-	49.37	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5350	-56.43	3	0.69	42.49	Average	54	Pass
NVNT	ac80	5210	Ant2	5374.86	-45.79	3	-	52.44	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5366.28	-55.51	3	0.69	43.41	Average	54	Pass
NVNT	ac80	5210	Ant2	5460	-48.6	3	-	49.63	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5460	-56.6	3	0.69	42.32	Average	54	Pass
NVNT	ac80	5210	Ant2	4500	-49.07	3	-	49.16	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	4500	-57.52	3	0.69	41.40	Average	54	Pass
NVNT	ac80	5210	Ant2	5149.38	-40.65	3	-	57.58	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5147.01	-52.99	3	0.69	45.93	Average	54	Pass
NVNT	ac80	5210	Ant2	5150	-42.88	3	-	55.35	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5150	-52.96	3	0.69	45.96	Average	54	Pass



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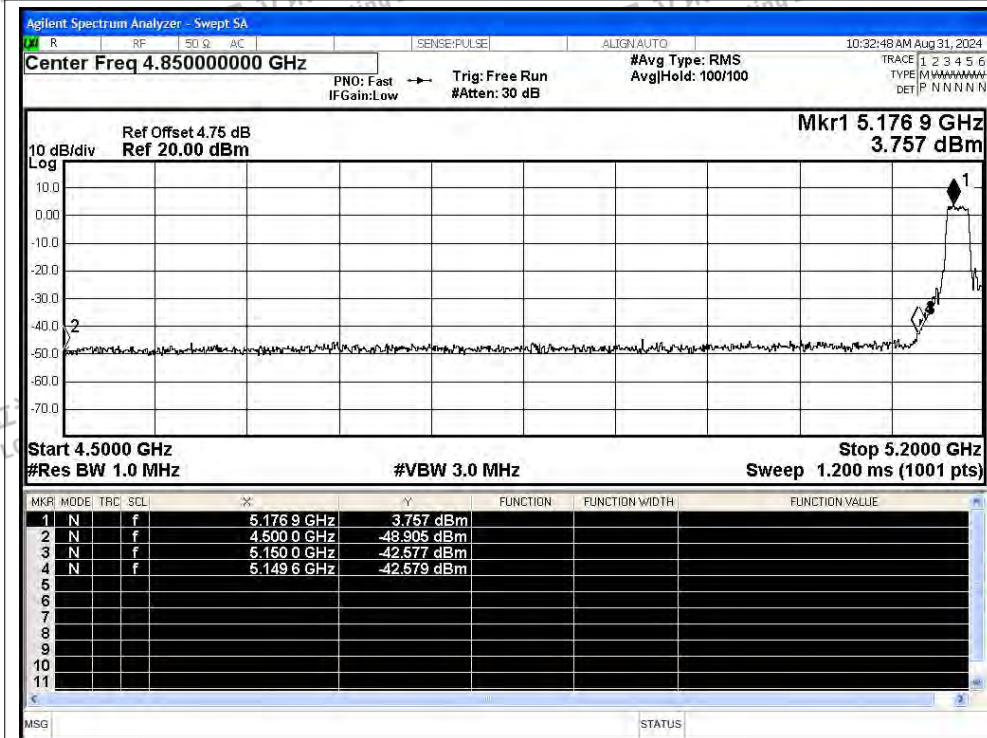
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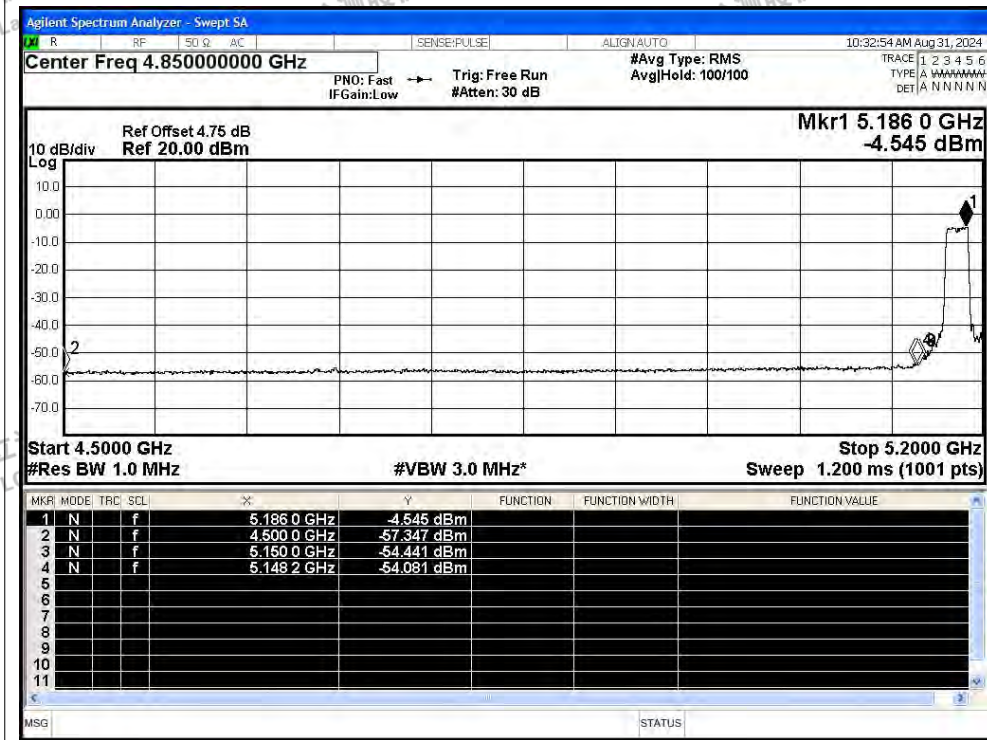


Test Graphs

Restrict Band NVNT a 5180MHz Ant2 Peak



Restrict Band NVNT a 5180MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

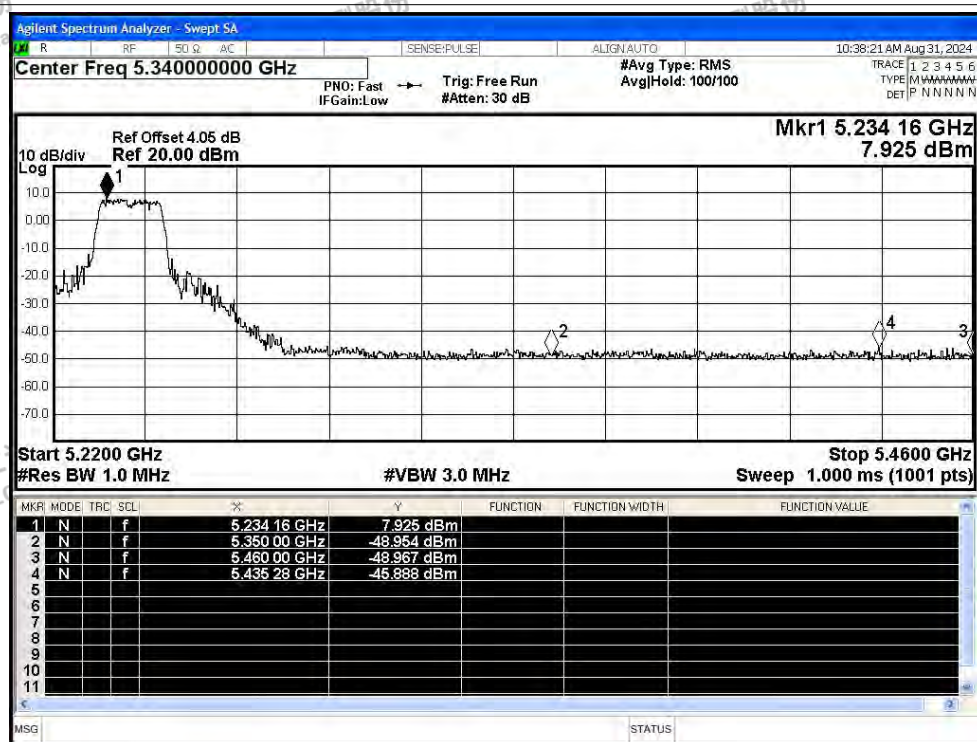
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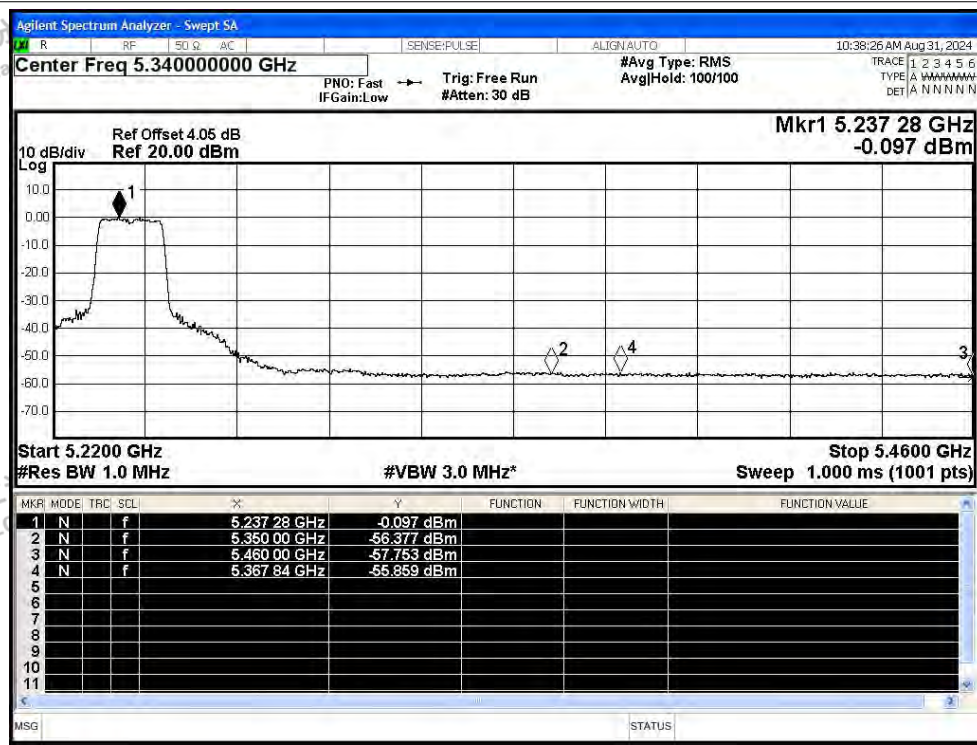
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Restrict Band NVNT a 5240MHz Ant2 Peak



Restrict Band NVNT a 5240MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

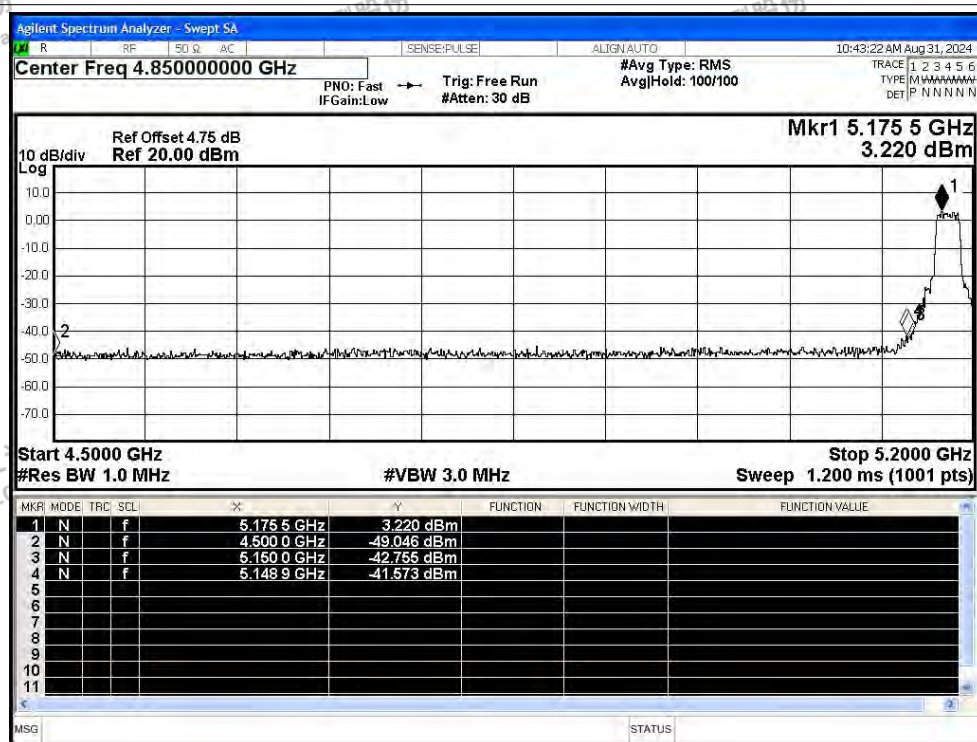
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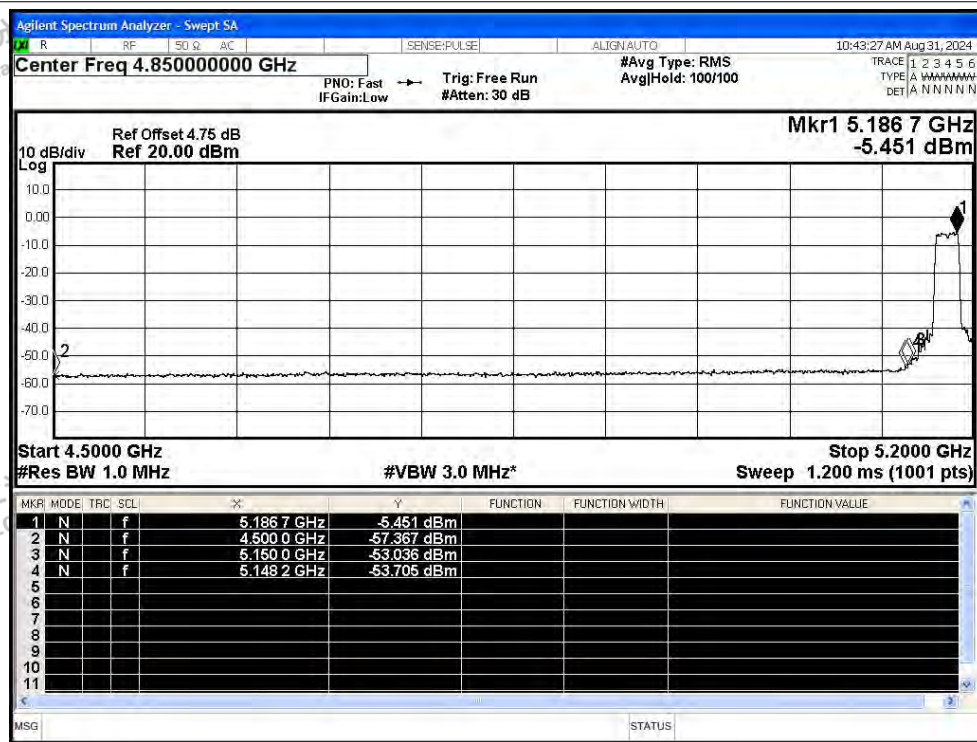
Scan code to check authenticity



Restrict Band NVNT n20 5180MHz Ant2 Peak



Restrict Band NVNT n20 5180MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

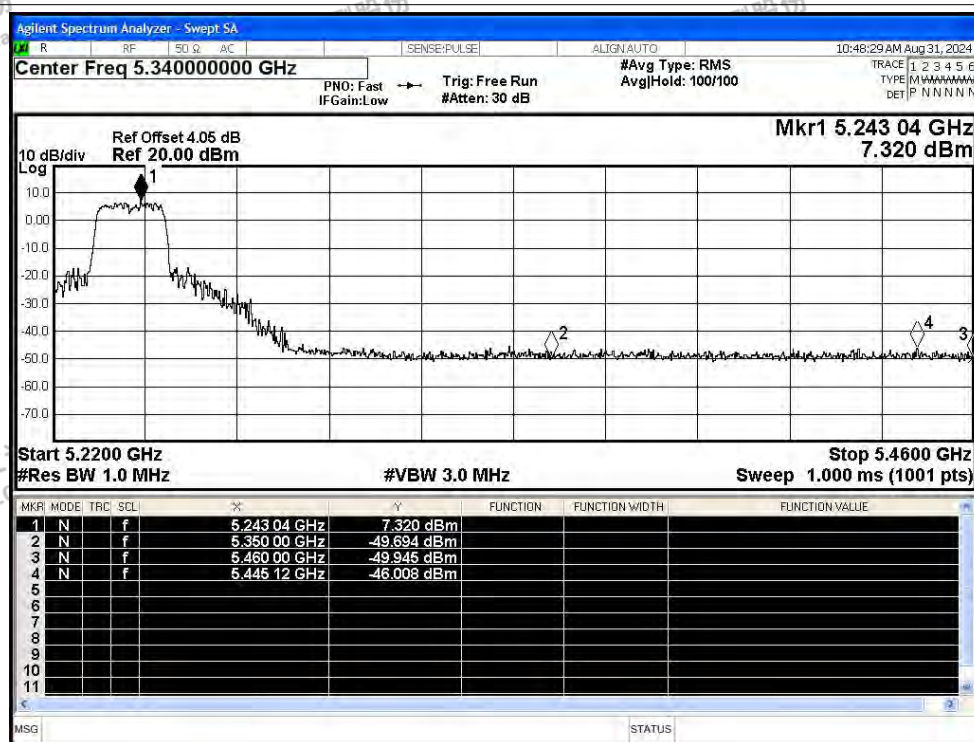
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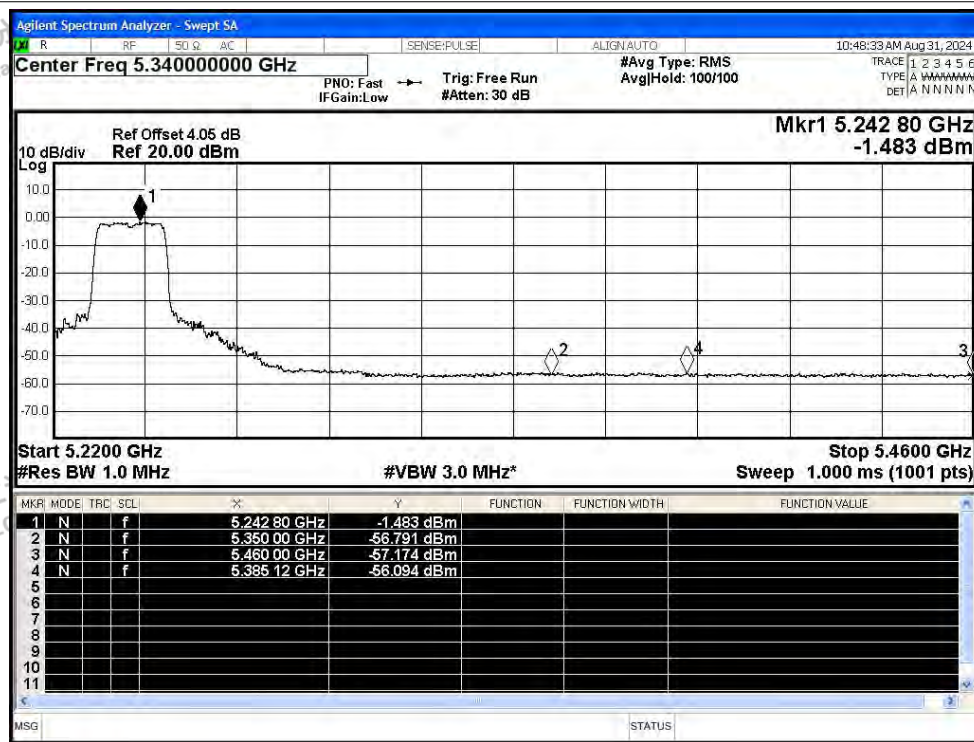
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Restrict Band NVNT n20 5240MHz Ant2 Peak



Restrict Band NVNT n20 5240MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

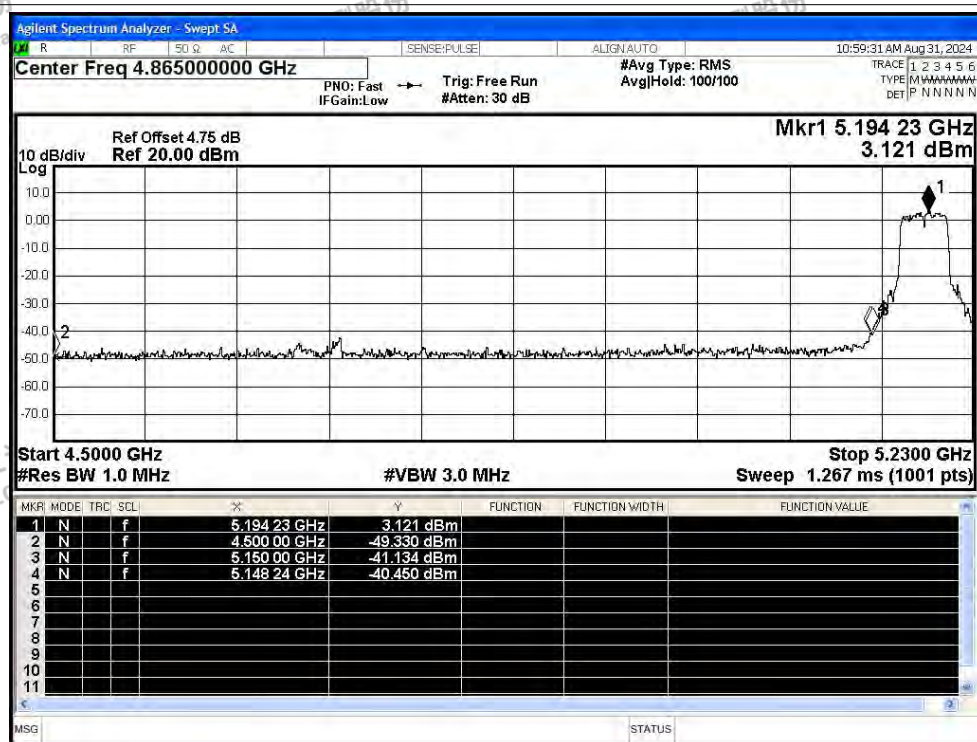
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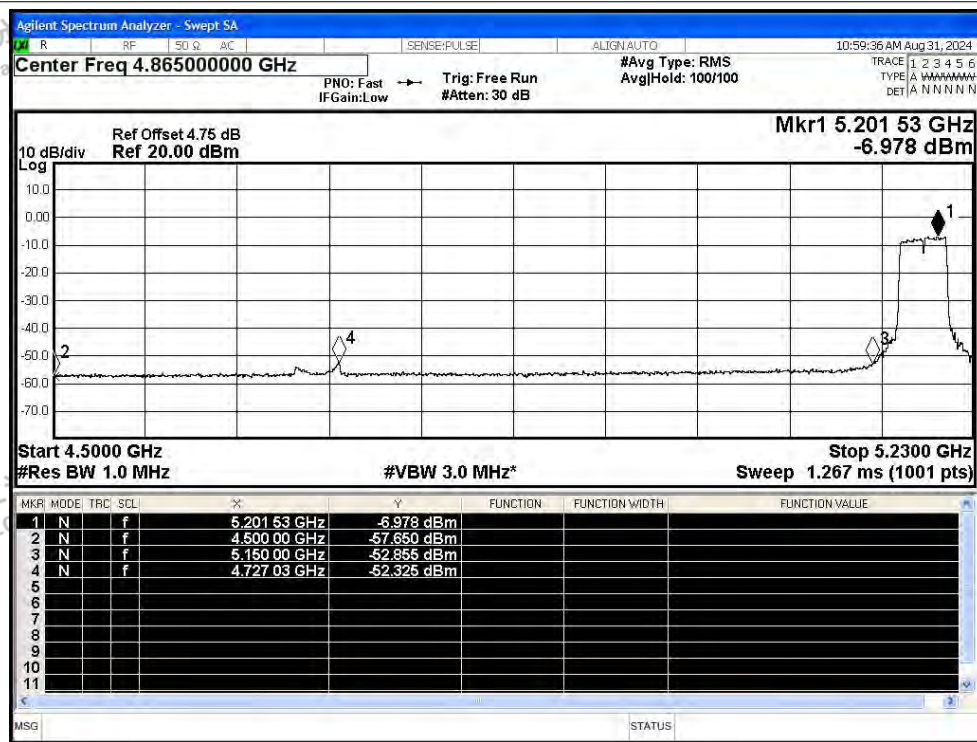
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Restrict Band NVNT n40 5190MHz Ant2 Peak



Restrict Band NVNT n40 5190MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

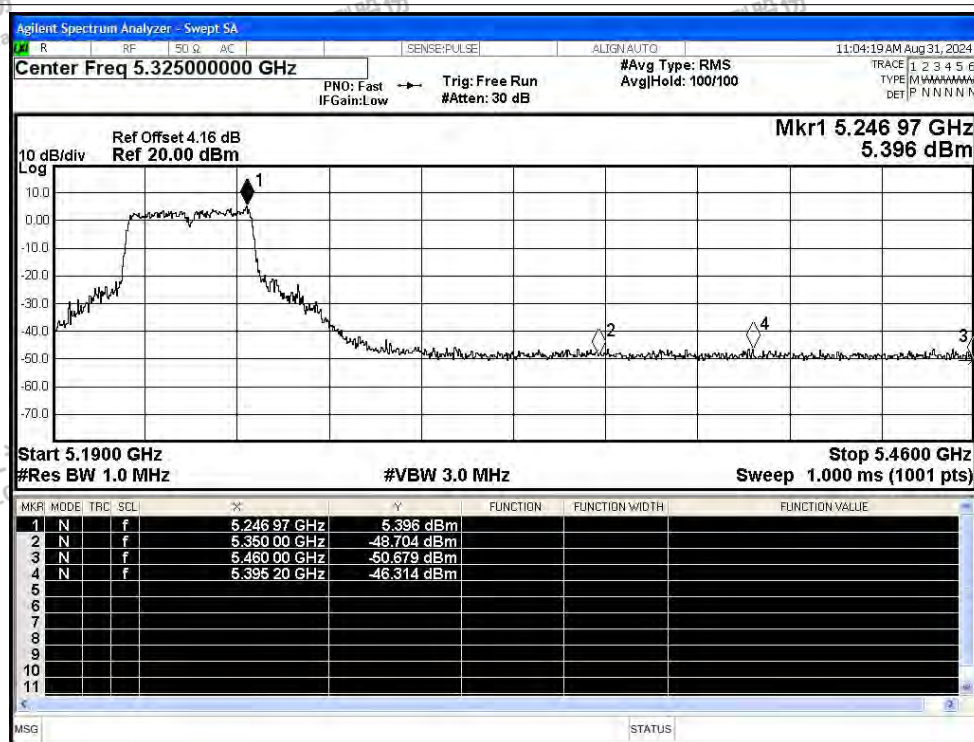
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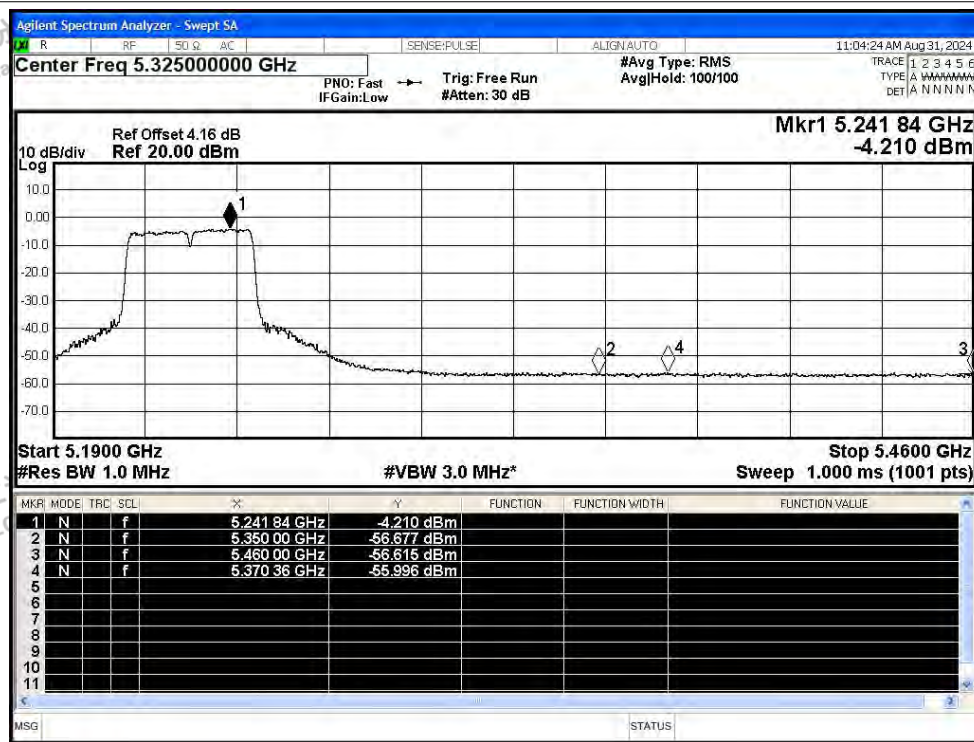
Scan code to check authenticity



Restrict Band NVNT n40 5230MHz Ant2 Peak



Restrict Band NVNT n40 5230MHz Ant2 Average



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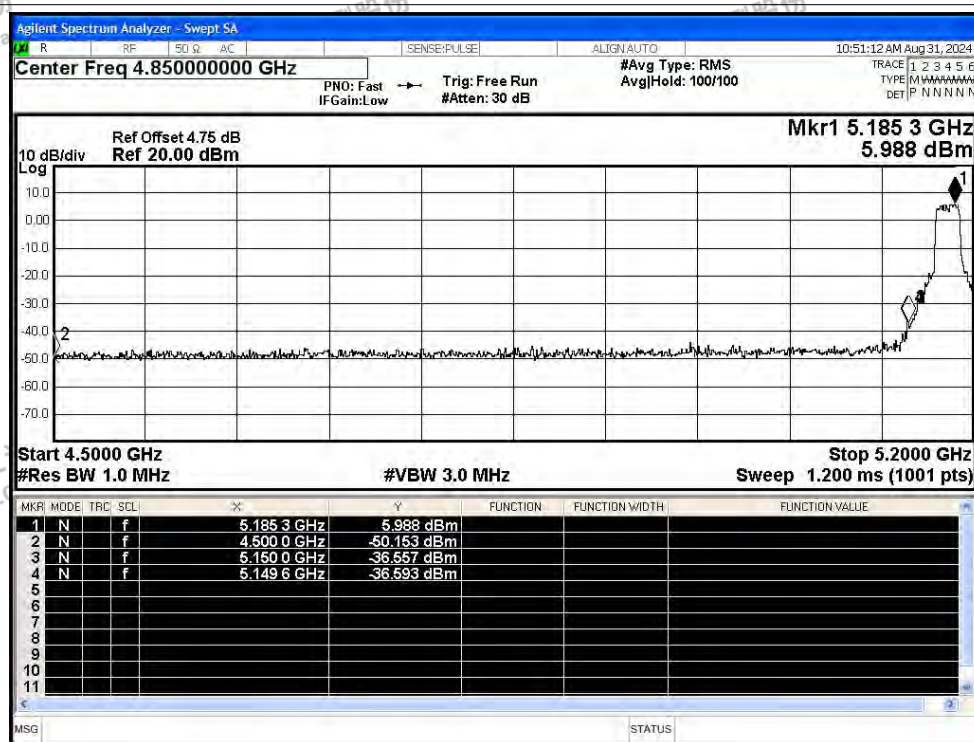
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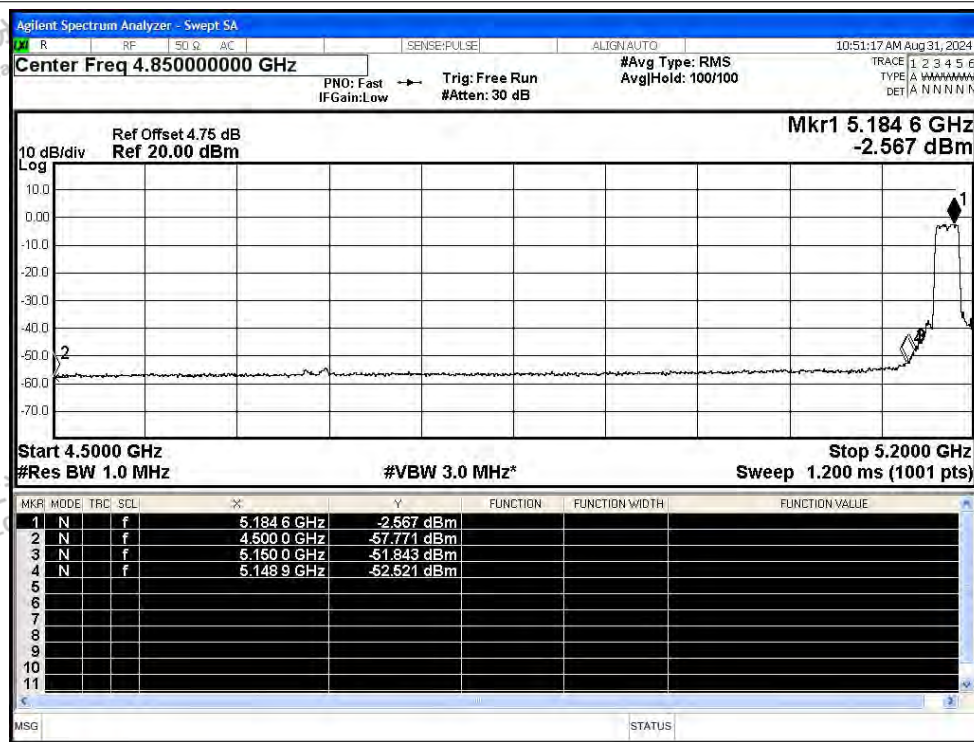
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Restrict Band NVNT ac20 5180MHz Ant2 Peak



Restrict Band NVNT ac20 5180MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

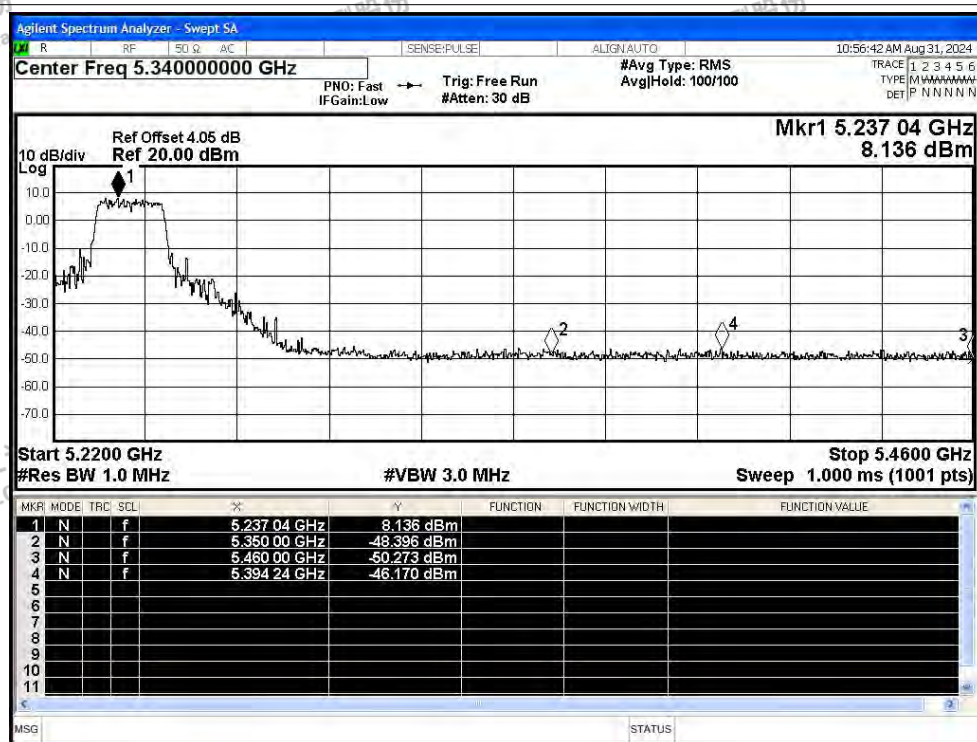
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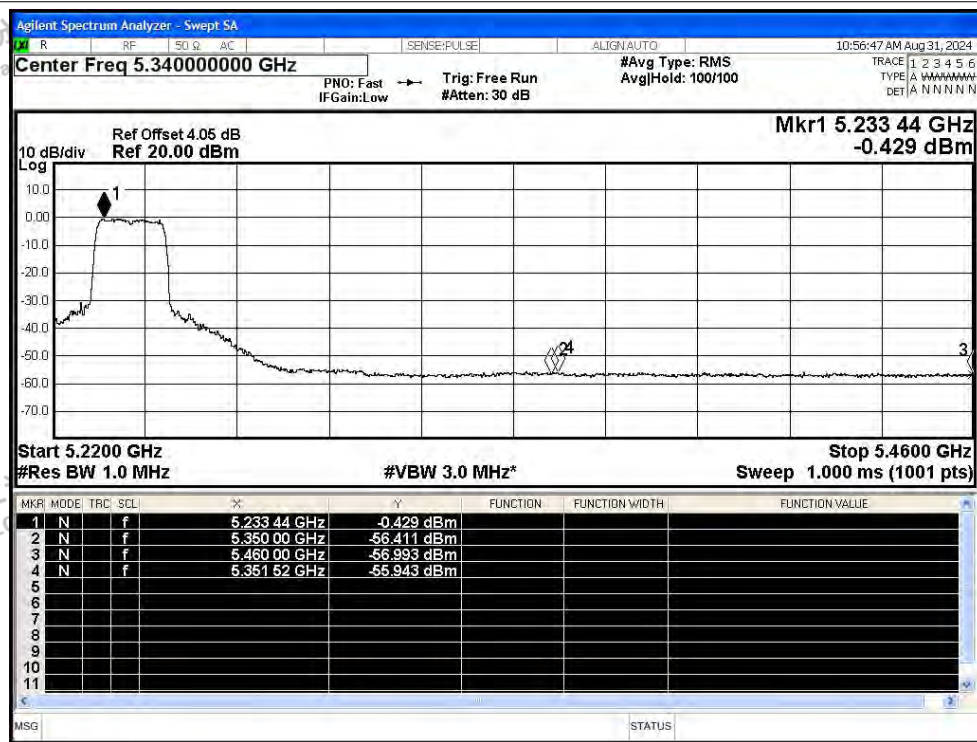
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Restrict Band NVNT ac20 5240MHz Ant2 Peak



Restrict Band NVNT ac20 5240MHz Ant2 Average



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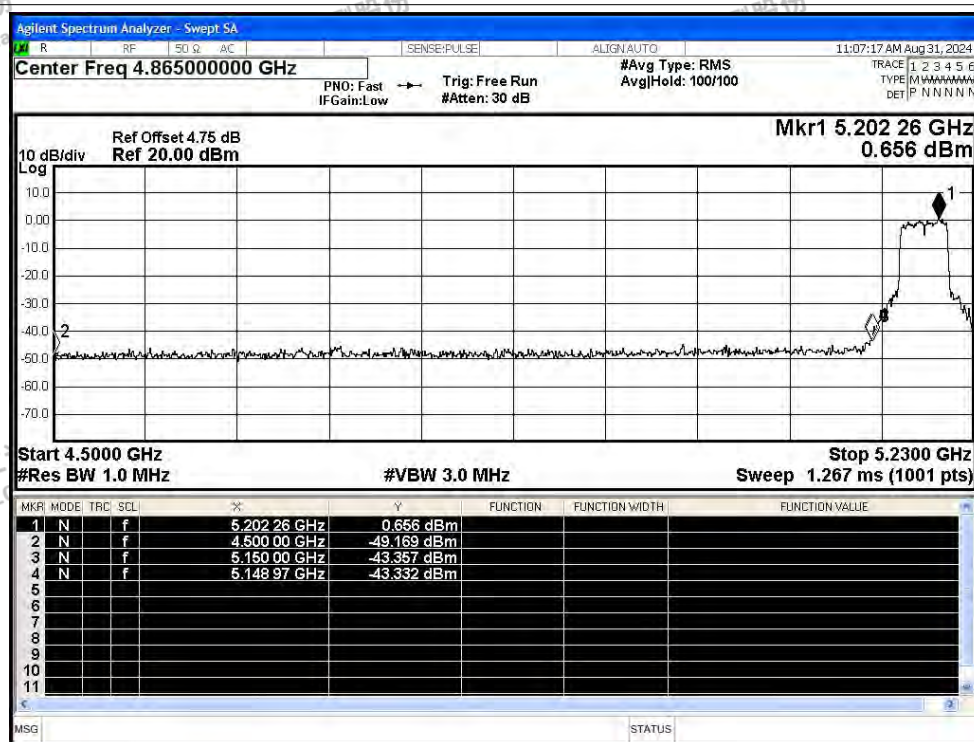
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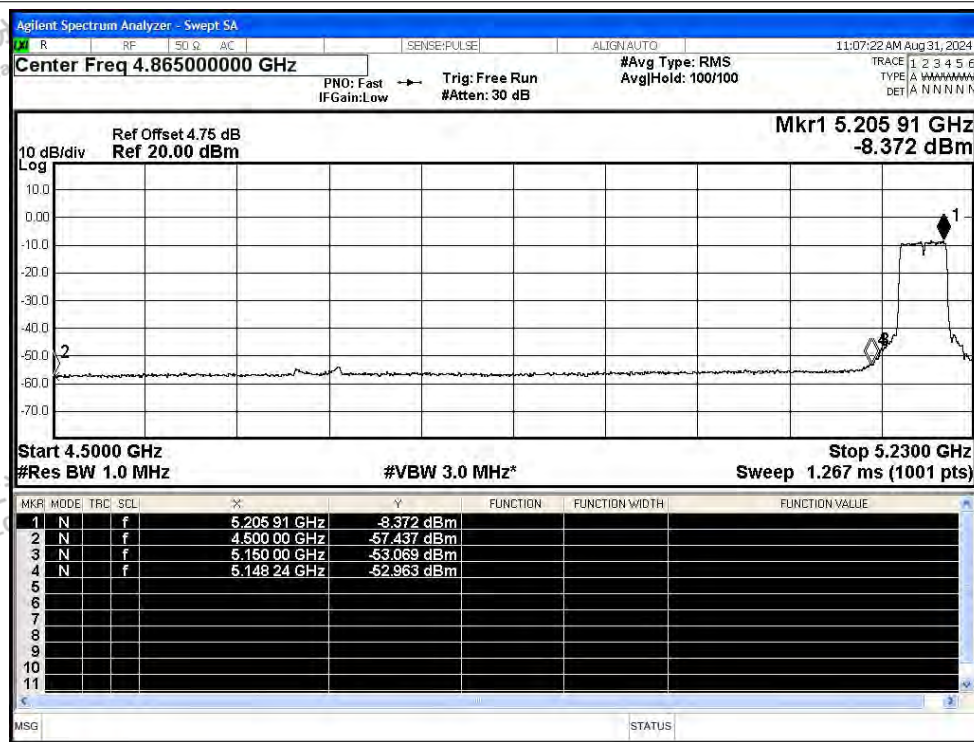
Scan code to check authenticity



Restrict Band NVNT ac40 5190MHz Ant2 Peak



Restrict Band NVNT ac40 5190MHz Ant2 Average



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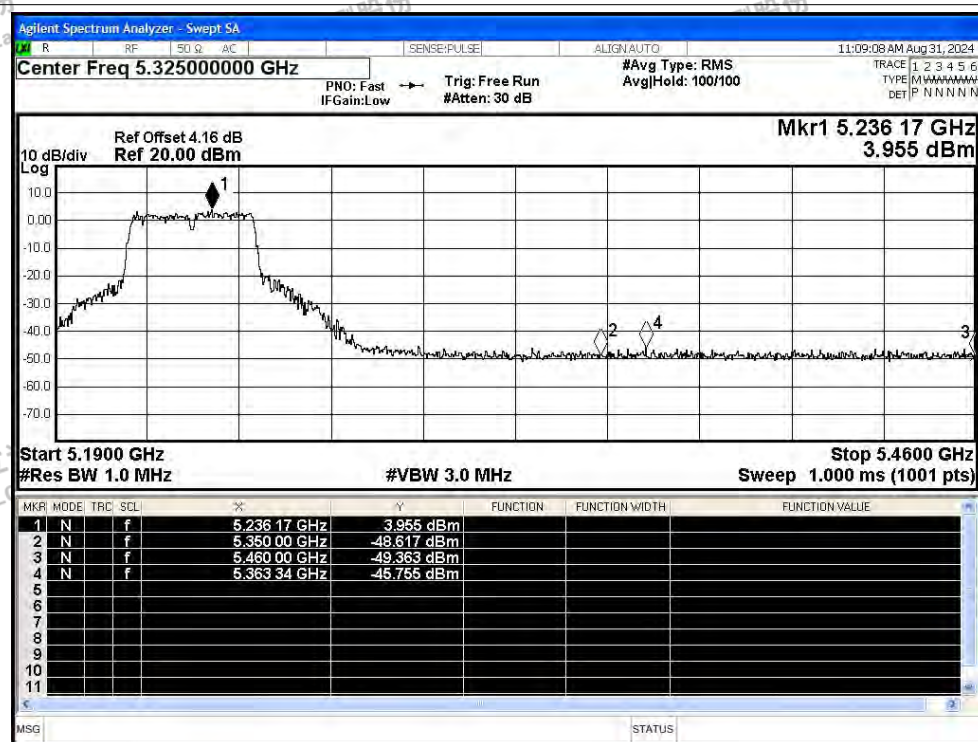
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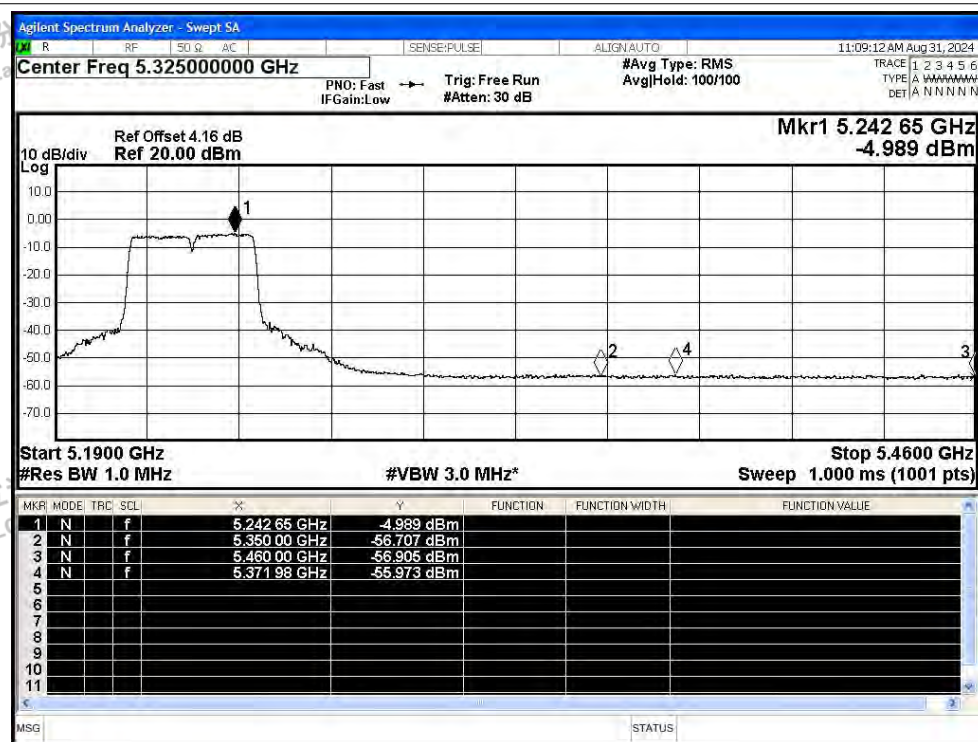
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Restrict Band NVNT ac40 5230MHz Ant2 Peak



Restrict Band NVNT ac40 5230MHz Ant2 Average



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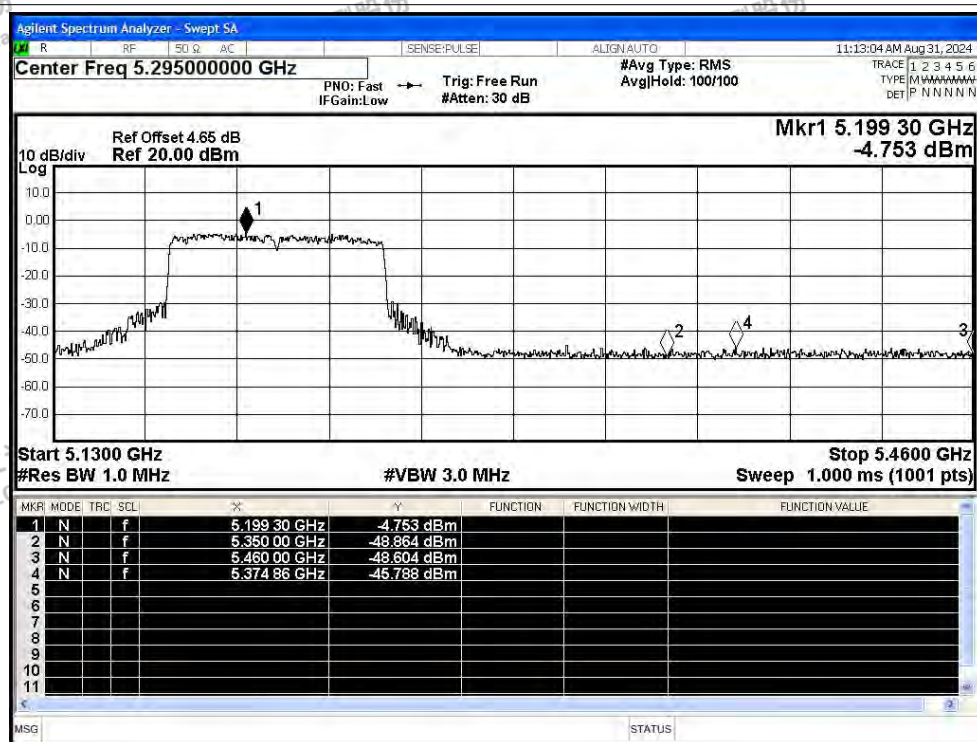
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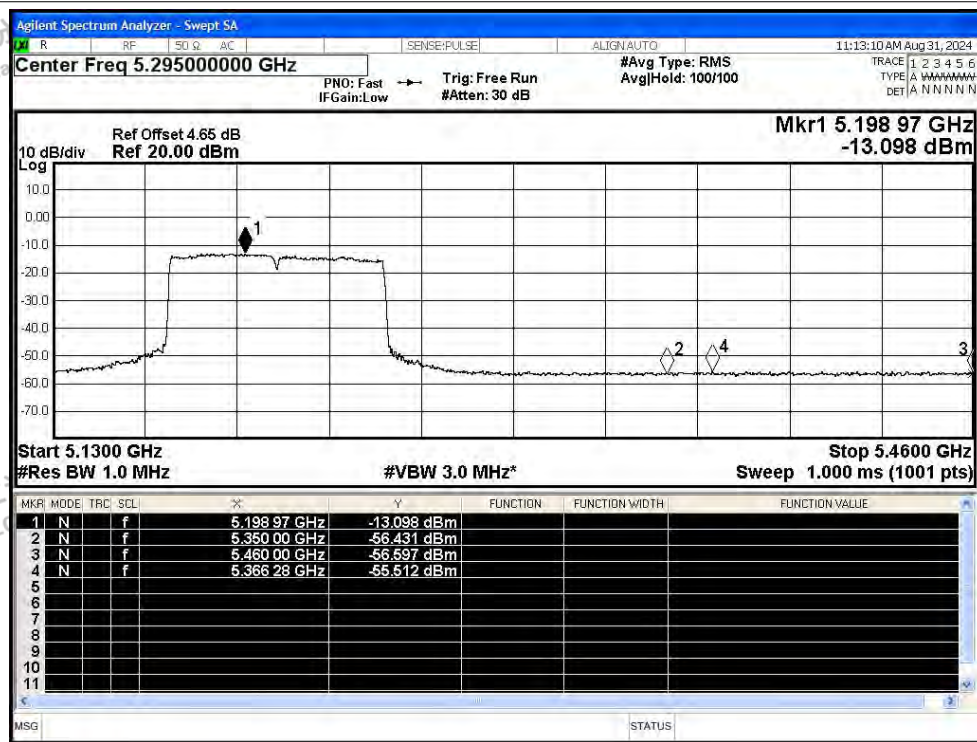
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Restrict Band NVNT ac80 5210MHz Ant2 Peak



Restrict Band NVNT ac80 5210MHz Ant2 Average



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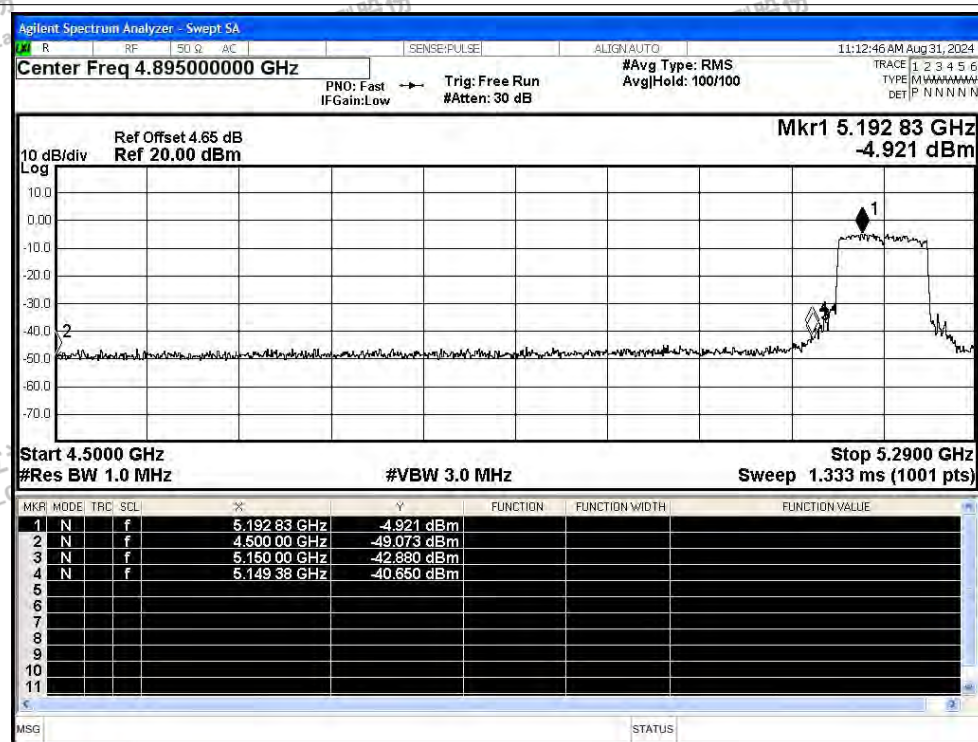
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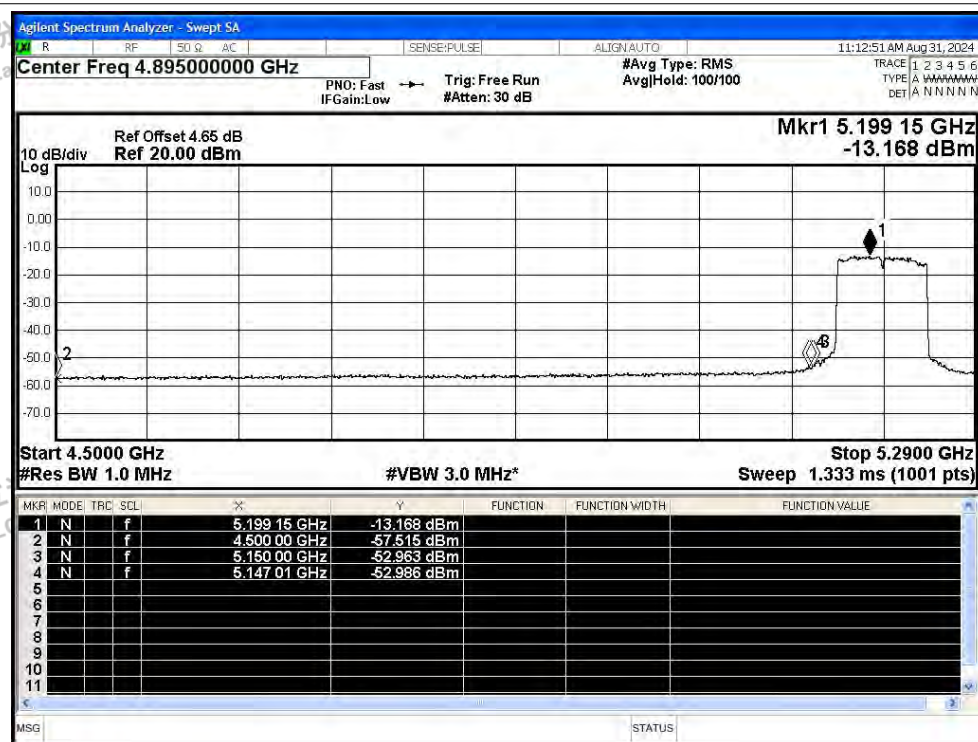
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Restrict Band NVNT ac80 5210MHz Ant2 Peak



Restrict Band NVNT ac80 5210MHz Ant2 Average



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MIMO

Condition	Mode	Frequency (MHz)	Ant1 Power (dBm)	Ant2 Power (dBm)	Gain (dBi)	Total E (dBuV/ m)	Detector	Limit (dBuV/m)	Verdict
NVNT	n20	5180	-49.43	-49.05	6.01	55.04	Peak	68.2	Pass
NVNT	n20	5180	-57.28	-57.37	6.01	46.95	Average	54	Pass
NVNT	n20	5180	-38.4	-41.57	6.01	64.58	Peak	68.2	Pass
NVNT	n20	5180	-51.73	-53.71	6.01	51.67	Average	54	Pass
NVNT	n20	5180	-39.21	-42.76	6.01	63.65	Peak	68.2	Pass
NVNT	n20	5180	-50.93	-53.04	6.01	52.42	Average	54	Pass
NVNT	n20	5240	-48.78	-49.69	6.01	55.07	Peak	68.2	Pass
NVNT	n20	5240	-55.89	-56.79	6.01	47.96	Average	54	Pass
NVNT	n20	5240	-46.12	-46.01	6.01	58.21	Peak	68.2	Pass
NVNT	n20	5240	-55.76	-56.09	6.01	48.36	Average	54	Pass
NVNT	n20	5240	-49.88	-49.95	6.01	54.36	Peak	68.2	Pass
NVNT	n20	5240	-56.99	-57.17	6.01	47.20	Average	54	Pass
NVNT	n40	5190	-49.64	-49.33	6.01	54.80	Peak	68.2	Pass
NVNT	n40	5190	-57.44	-57.65	6.01	46.73	Average	54	Pass
NVNT	n40	5190	-37.63	-40.45	6.01	65.46	Peak	68.2	Pass
NVNT	n40	5190	-53.13	-52.33	6.01	51.57	Average	54	Pass
NVNT	n40	5190	-39.2	-41.13	6.01	64.22	Peak	68.2	Pass
NVNT	n40	5190	-53.23	-52.86	6.01	51.24	Average	54	Pass
NVNT	n40	5230	-47.63	-48.7	6.01	56.15	Peak	68.2	Pass
NVNT	n40	5230	-56.59	-56.68	6.01	47.64	Average	54	Pass
NVNT	n40	5230	-45.67	-46.31	6.01	58.30	Peak	68.2	Pass
NVNT	n40	5230	-56.12	-56	6.01	48.22	Average	54	Pass
NVNT	n40	5230	-49.39	-50.68	6.01	54.29	Peak	68.2	Pass
NVNT	n40	5230	-57.12	-56.62	6.01	47.42	Average	54	Pass
NVNT	ac20	5180	-50.33	-50.15	6.01	54.04	Peak	68.2	Pass
NVNT	ac20	5180	-57.71	-57.77	6.01	46.54	Average	54	Pass
NVNT	ac20	5180	-39.19	-36.59	6.01	66.58	Peak	68.2	Pass
NVNT	ac20	5180	-50.9	-52.52	6.01	52.64	Average	54	Pass
NVNT	ac20	5180	-38.98	-36.56	6.01	66.67	Peak	68.2	Pass
NVNT	ac20	5180	-50.71	-51.84	6.01	53.04	Average	54	Pass
NVNT	ac20	5240	-47.98	-48.4	6.01	56.09	Peak	68.2	Pass
NVNT	ac20	5240	-56.27	-56.41	6.01	47.94	Average	54	Pass
NVNT	ac20	5240	-46.29	-46.17	6.01	58.05	Peak	68.2	Pass
NVNT	ac20	5240	-55.77	-55.94	6.01	48.42	Average	54	Pass
NVNT	ac20	5240	-47.37	-50.27	6.01	55.70	Peak	68.2	Pass
NVNT	ac20	5240	-56.9	-56.99	6.01	47.33	Average	54	Pass
NVNT	ac40	5190	-47.86	-49.17	6.01	55.81	Peak	68.2	Pass
NVNT	ac40	5190	-56.99	-57.44	6.01	47.07	Average	54	Pass



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NVNT	ac40	5190	-41.4	-43.33	6.01	62.02	Peak	68.2	Pass
NVNT	ac40	5190	-52.77	-52.96	6.01	51.41	Average	54	Pass
NVNT	ac40	5190	-41.91	-43.36	6.01	61.70	Peak	68.2	Pass
NVNT	ac40	5190	-52.77	-53.07	6.01	51.36	Average	54	Pass
NVNT	ac40	5230	-49.18	-48.62	6.01	55.39	Peak	68.2	Pass
NVNT	ac40	5230	-56.5	-56.71	6.01	47.67	Average	54	Pass
NVNT	ac40	5230	-45.59	-45.76	6.01	58.60	Peak	68.2	Pass
NVNT	ac40	5230	-55.98	-55.97	6.01	48.30	Average	54	Pass
NVNT	ac40	5230	-49.06	-49.36	6.01	55.07	Peak	68.2	Pass
NVNT	ac40	5230	-57	-56.91	6.01	47.32	Average	54	Pass
NVNT	ac80	5210	-48.35	-48.86	6.01	55.68	Peak	68.2	Pass
NVNT	ac80	5210	-56.06	-56.43	6.01	48.04	Average	54	Pass
NVNT	ac80	5210	-45.25	-45.79	6.01	58.77	Peak	68.2	Pass
NVNT	ac80	5210	-55.69	-55.51	6.01	48.68	Average	54	Pass
NVNT	ac80	5210	-49.19	-48.6	6.01	55.39	Peak	68.2	Pass
NVNT	ac80	5210	-56.35	-56.6	6.01	47.80	Average	54	Pass
NVNT	ac80	5210	-49.67	-49.07	6.01	54.92	Peak	68.2	Pass
NVNT	ac80	5210	-57.79	-57.52	6.01	46.62	Average	54	Pass
NVNT	ac80	5210	-43.52	-40.65	6.01	62.43	Peak	68.2	Pass
NVNT	ac80	5210	-52.82	-52.99	6.01	51.37	Average	54	Pass
NVNT	ac80	5210	-43.74	-42.88	6.01	60.99	Peak	68.2	Pass
NVNT	ac80	5210	-53.25	-52.96	6.01	51.18	Average	54	Pass





B.5 Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NVNT	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NVNT	a	5240	Ant1	5240	0	0	25	Pass
NVNT	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NVNT	n20	5200	Ant1	5200	0	0	25	Pass
NVNT	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NVNT	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
NVNT	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NVNT	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NVNT	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NVNT	ac40	5230	Ant1	5230	0	0	25	Pass
NVNT	ac80	5210	Ant1	5210	0	0	25	Pass

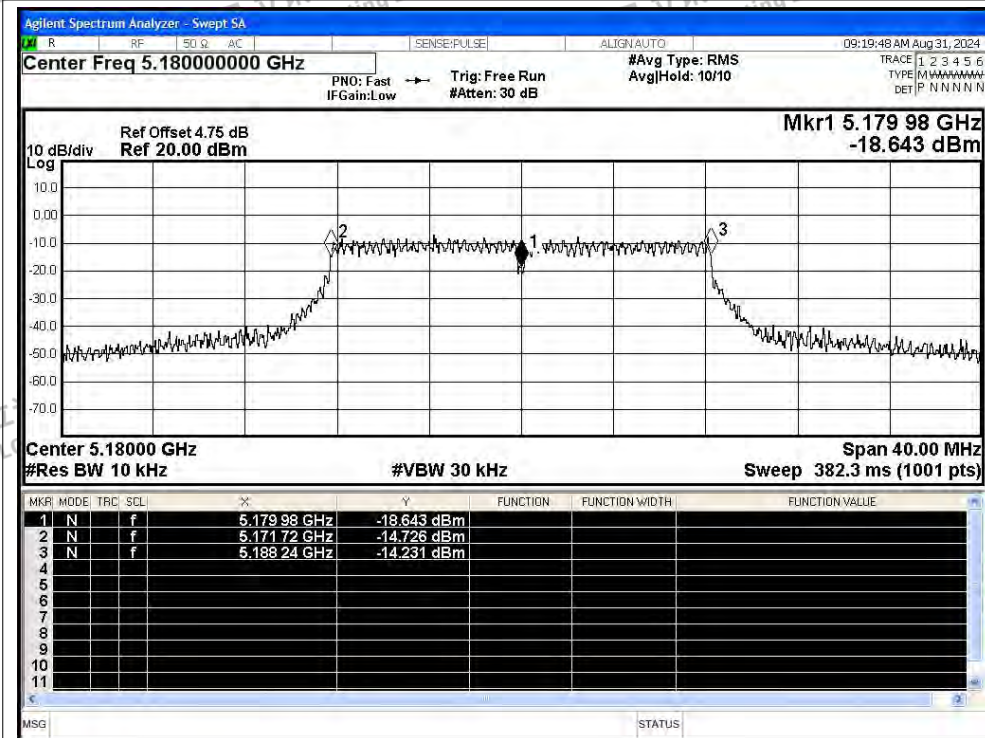


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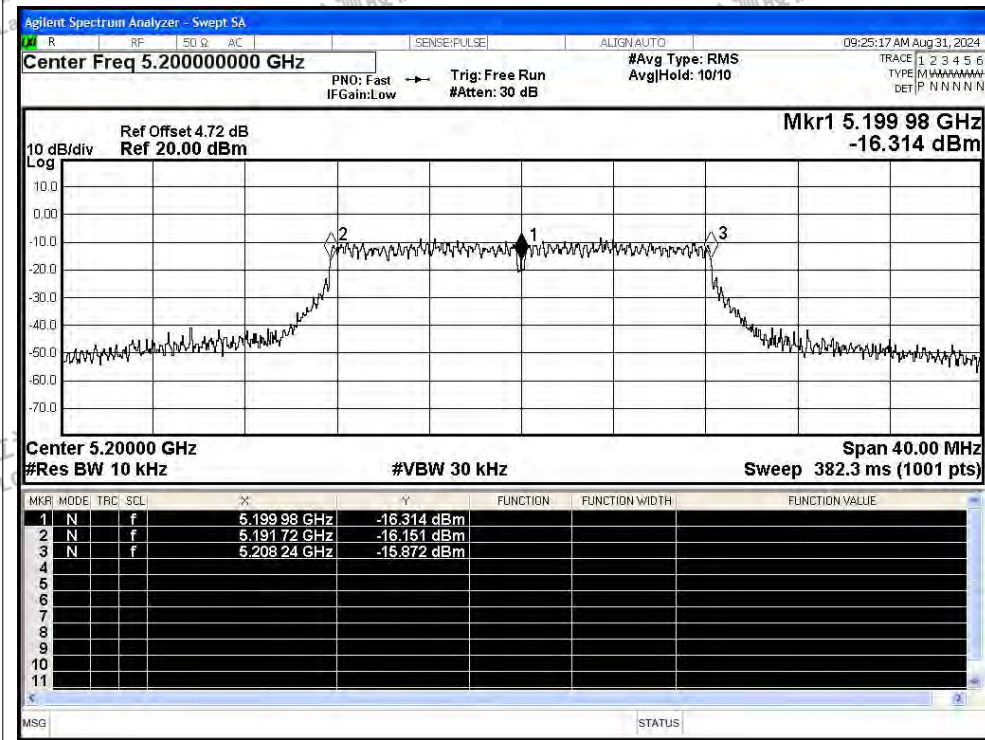


Test Graphs

Freq. Stability NVNT a 5180MHz Ant1



Freq. Stability NVNT a 5200MHz Ant1



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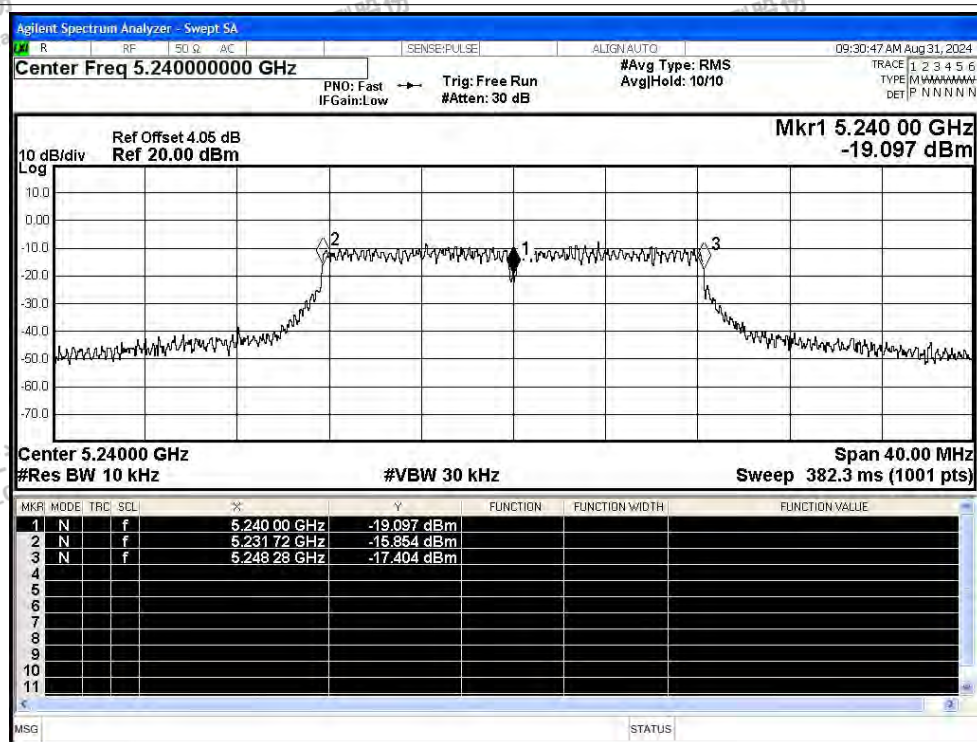
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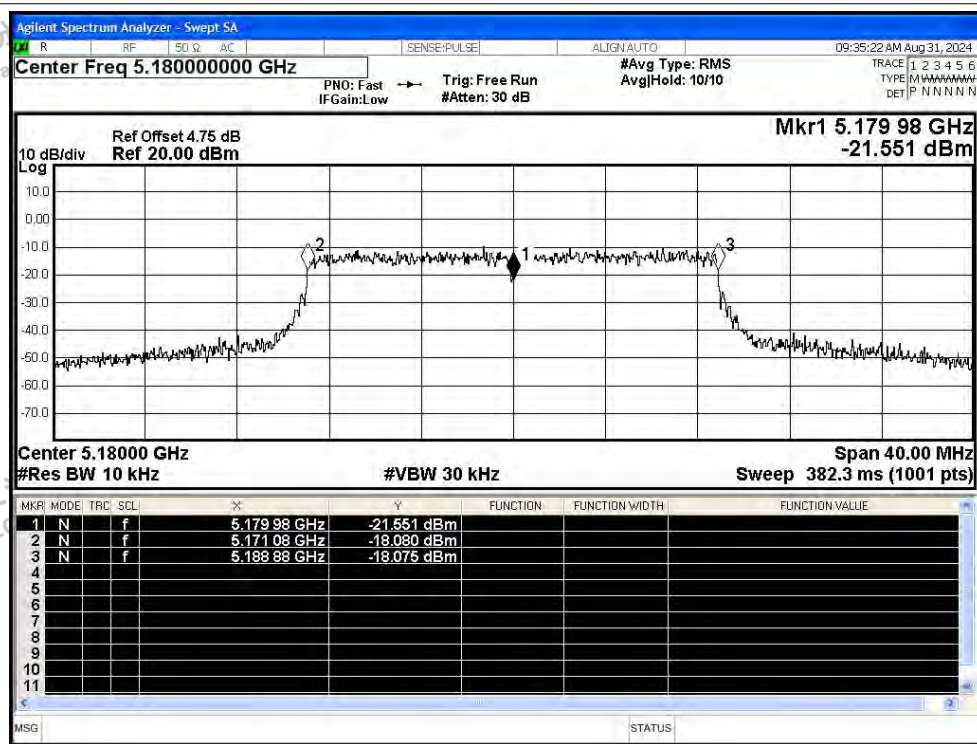
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Freq. Stability NVNT a 5240MHz Ant1



Freq. Stability NVNT n20 5180MHz Ant1



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