



Appendix D

RF Test Data for 5.2GWIFI(Conducted Measurement)

Product Name: IP PHONE

Test Model: CIP270V2

Environmental Conditions

Temperature:	23.6°C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun





D.1 Emission Bandwidth

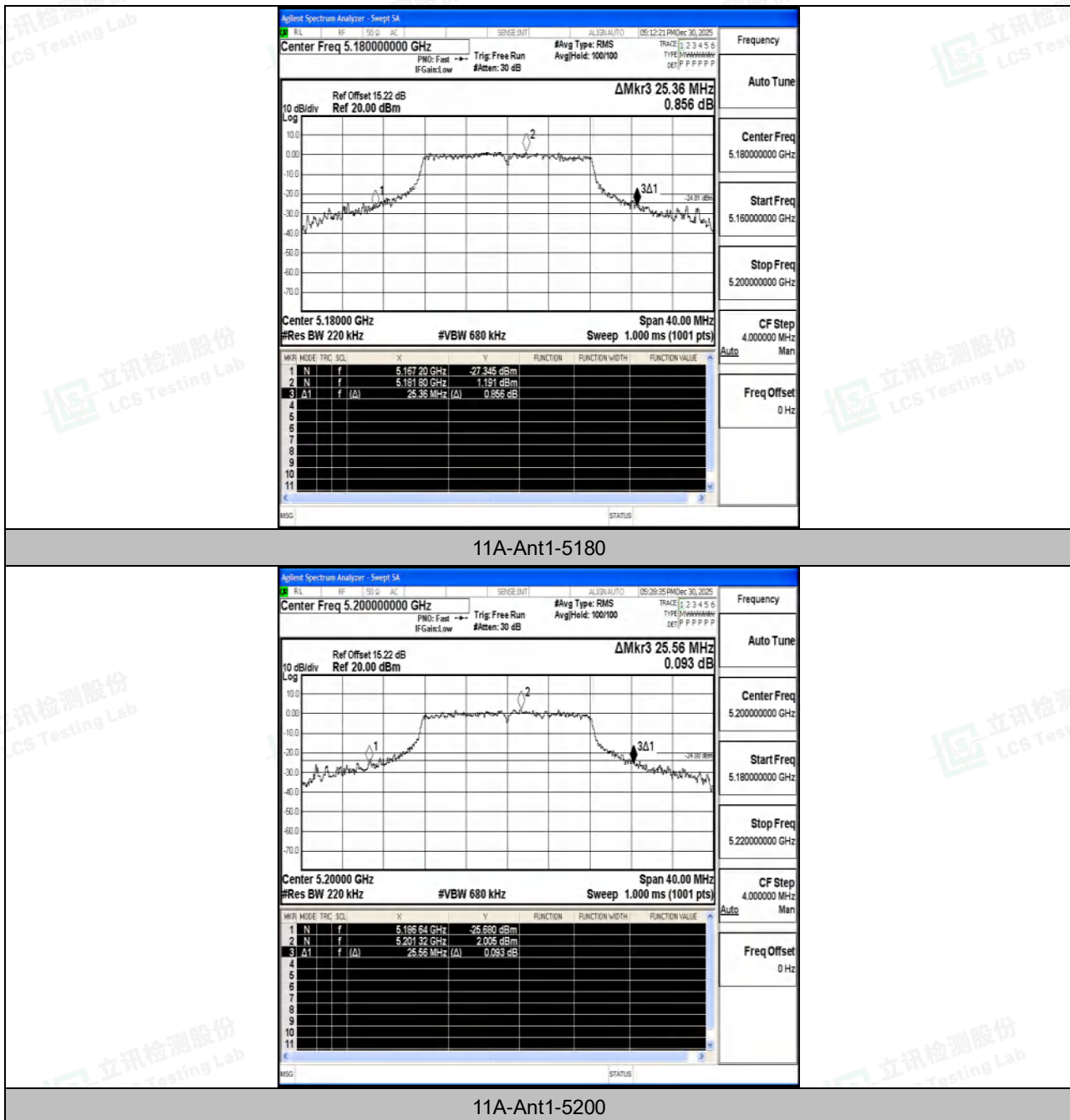
Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	25.360	5167.200	5192.560	---	---
11A	Ant1	5200	25.560	5186.640	5212.200	---	---
11A	Ant1	5240	19.360	5230.240	5249.600	---	---
11N20SISO	Ant1	5180	22.200	5168.600	5190.800	---	---
11N20SISO	Ant1	5200	22.800	5188.920	5211.720	---	---
11N20SISO	Ant1	5240	19.680	5230.120	5249.800	---	---
11N40SISO	Ant1	5190	40.640	5169.840	5210.480	---	---
11N40SISO	Ant1	5230	40.480	5210.000	5250.480	---	---
11AC20SISO	Ant1	5180	19.880	5170.000	5189.880	---	---
11AC20SISO	Ant1	5200	20.240	5189.960	5210.200	---	---
11AC20SISO	Ant1	5240	20.080	5229.920	5250.000	---	---
11AC40SISO	Ant1	5190	40.480	5169.760	5210.240	---	---
11AC40SISO	Ant1	5230	40.560	5209.680	5250.240	---	---





Test Graphs

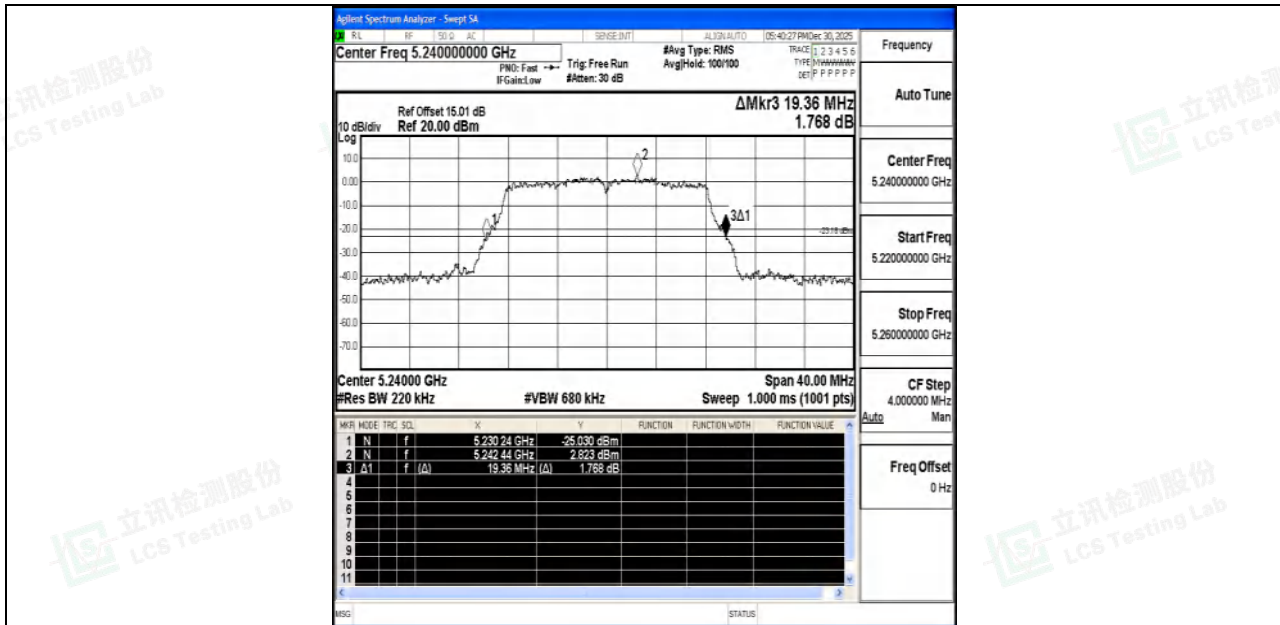


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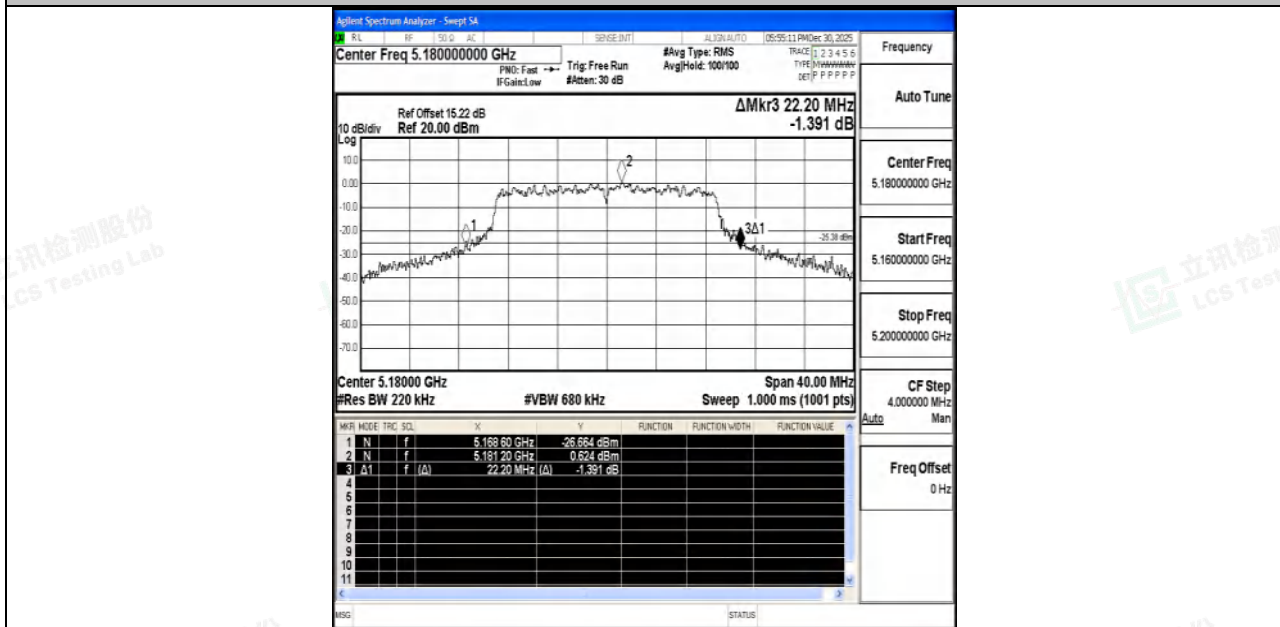
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11A-Ant1-5240



11N20SISO-Ant1-5180

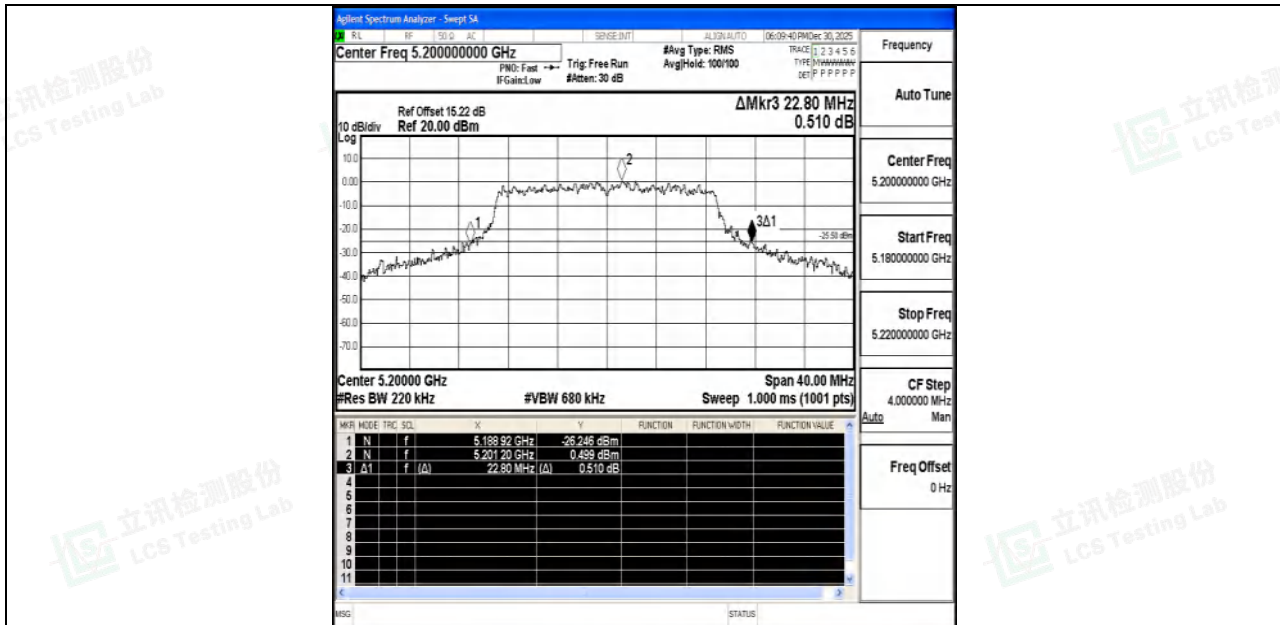


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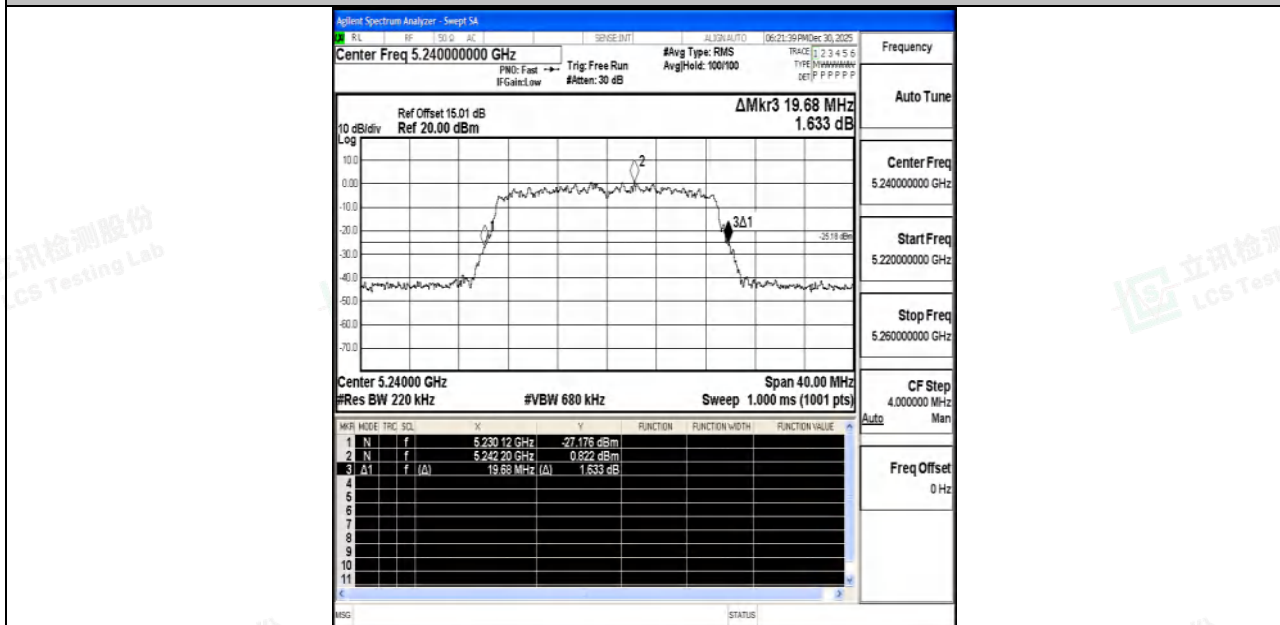
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11N20SISO-Ant1-5200



11N20SISO-Ant1-5240

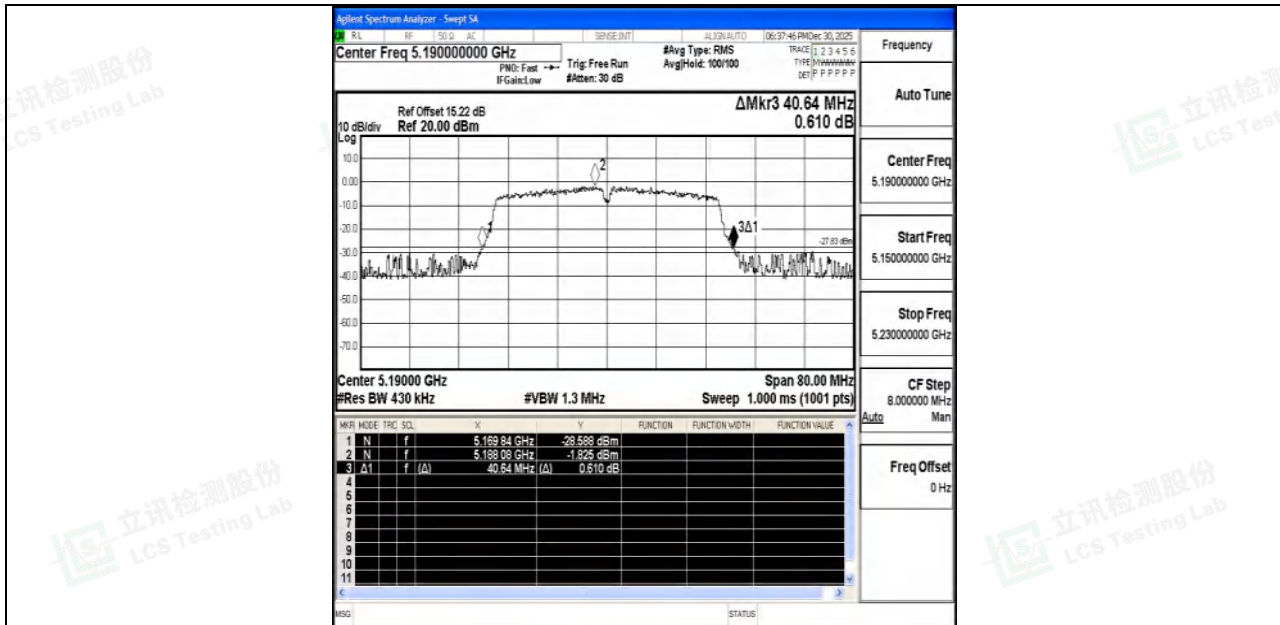


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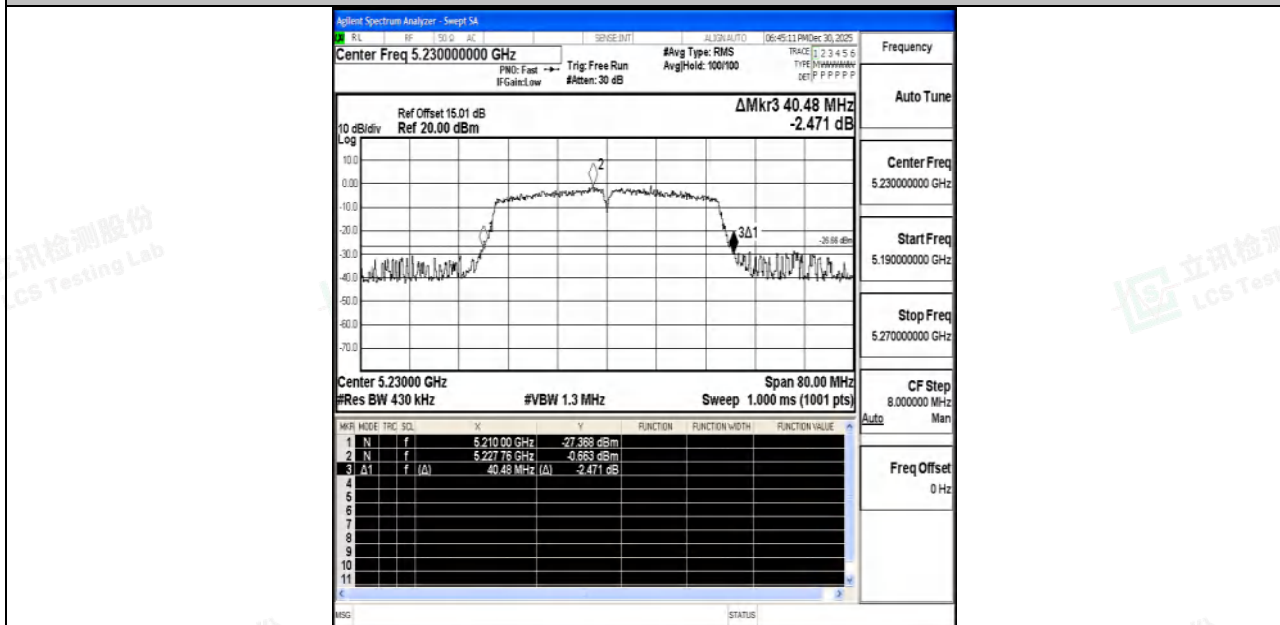
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11N40SISO-Ant1-5190



11N40SISO-Ant1-5230

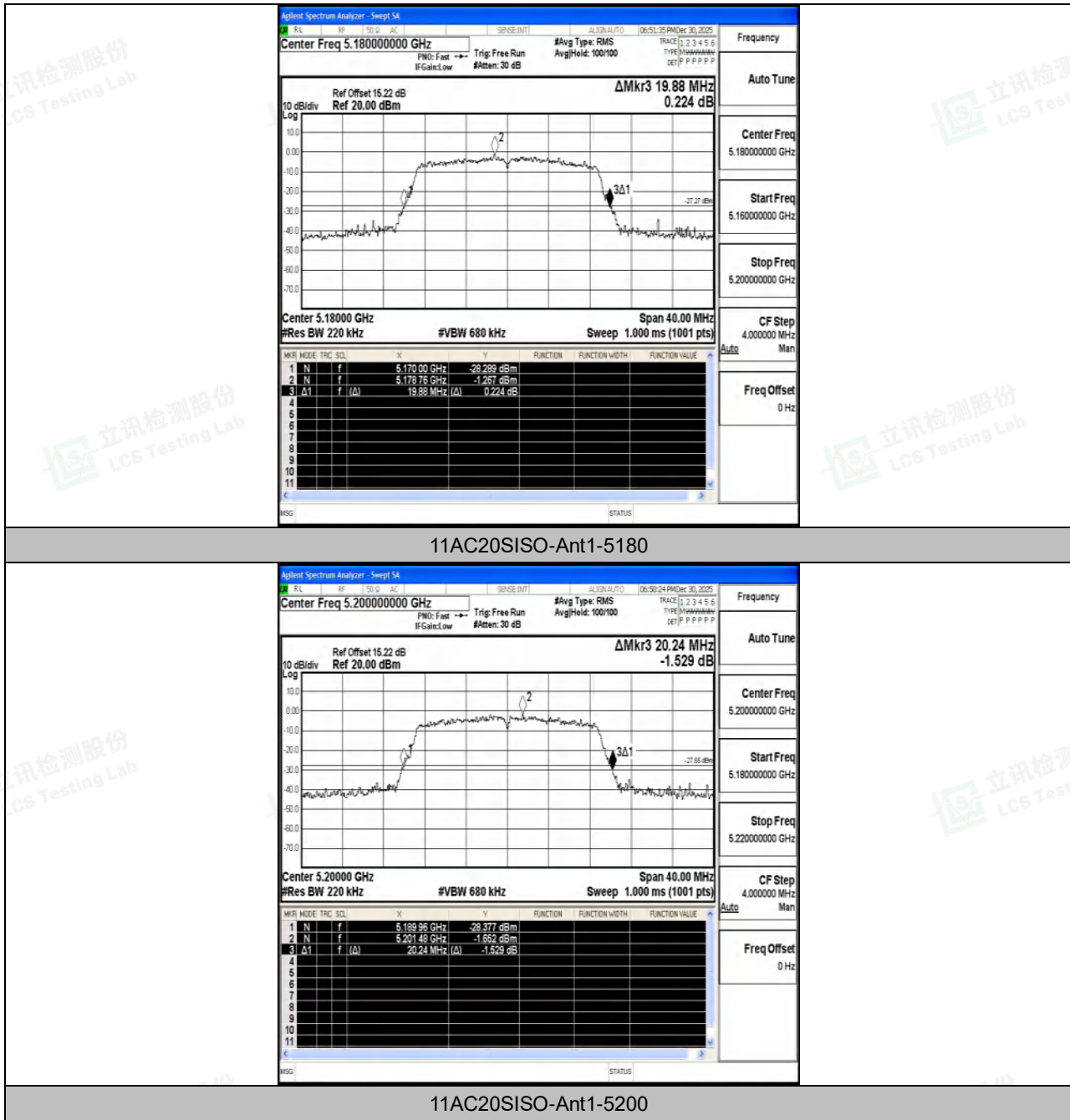


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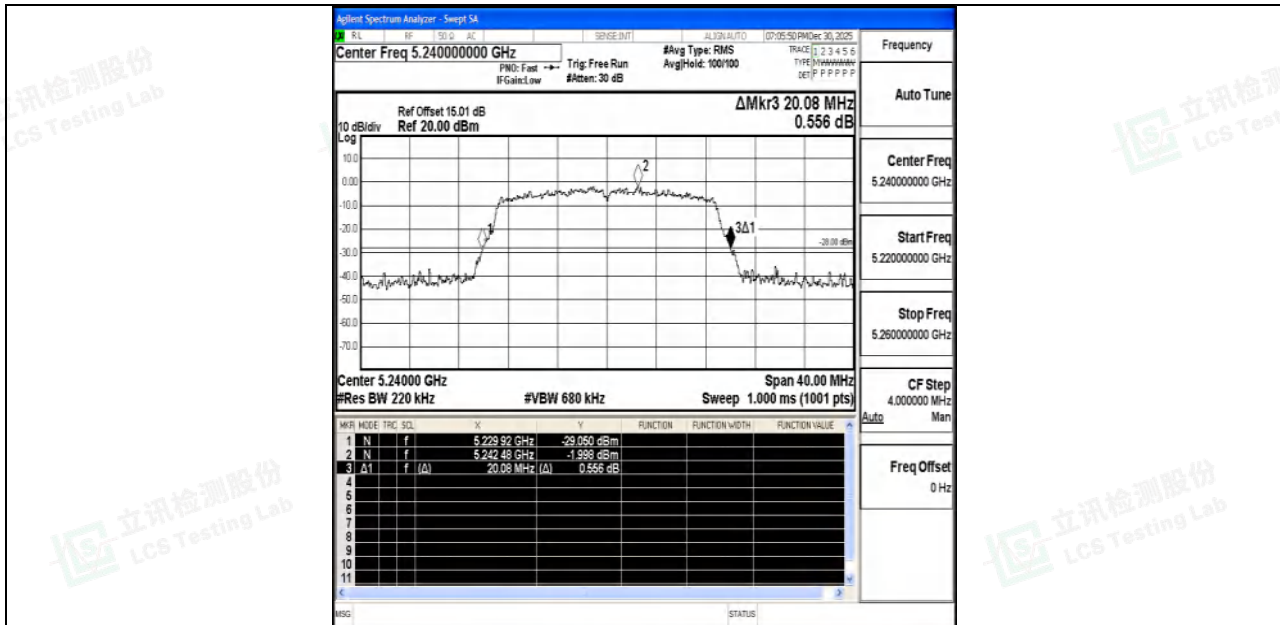


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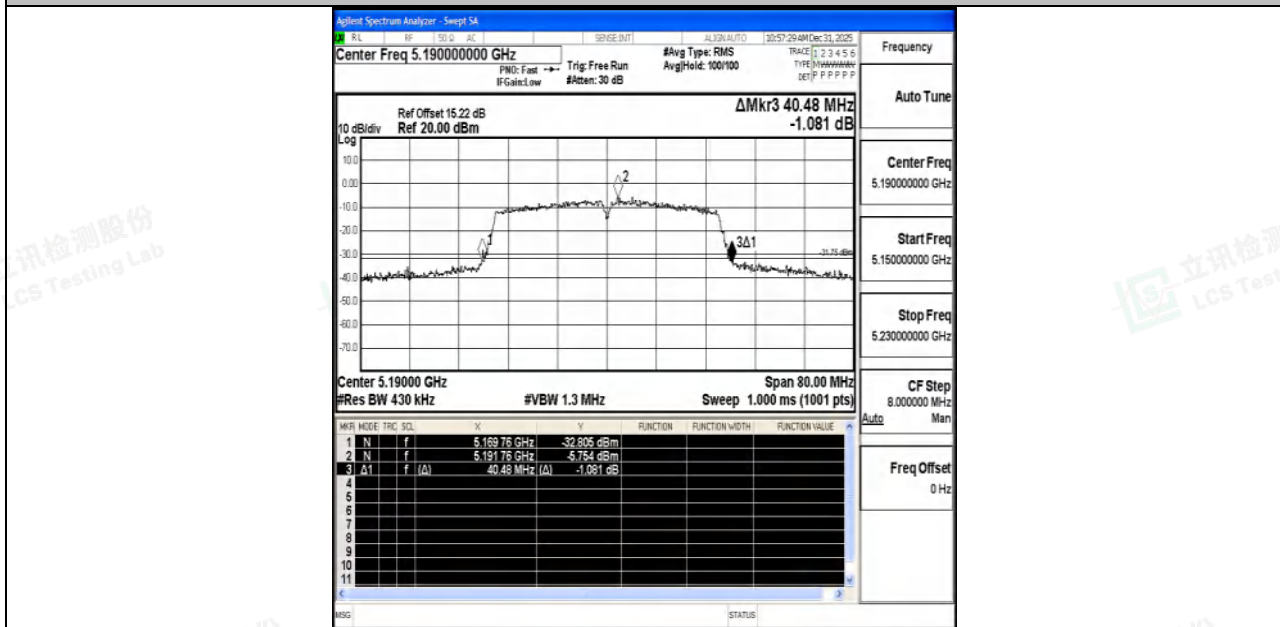
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11AC20SISO-Ant1-5240



11AC40SISO-Ant1-5190

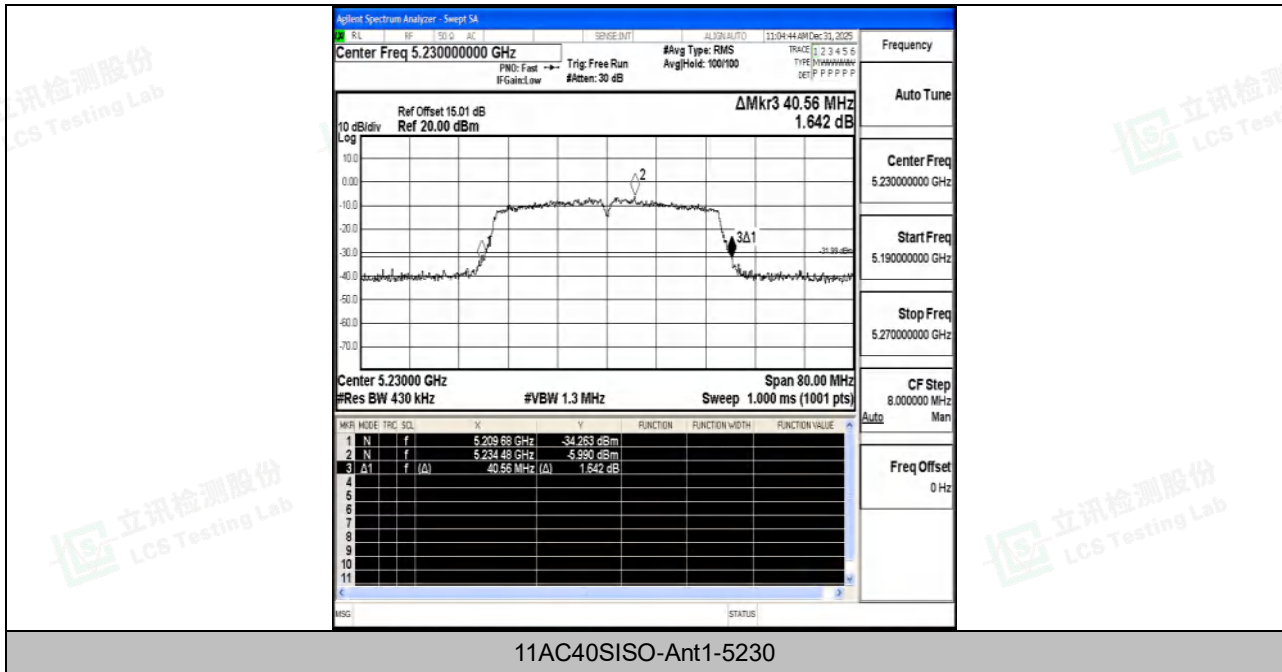


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D.2 Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power[dBm]	Duty Cycle[%]	DC Factor[dBm]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	10.24	51.87	2.85	13.09	≤23.98	PASS
11A	Ant1	5200	12.93	97.20	0.12	13.05	≤23.98	PASS
11A	Ant1	5240	12.11	97.90	0.09	12.2	≤23.98	PASS
11N20SISO	Ant1	5180	10.29	57.46	2.41	12.7	≤23.98	PASS
11N20SISO	Ant1	5200	10.50	73.33	1.35	11.85	≤23.98	PASS
11N20SISO	Ant1	5240	11.05	97.01	0.13	11.18	≤23.98	PASS
11N40SISO	Ant1	5190	11.36	94.20	0.26	11.62	≤23.98	PASS
11N40SISO	Ant1	5230	11.07	94.20	0.26	11.33	≤23.98	PASS
11AC20SISO	Ant1	5180	10.70	96.32	0.16	10.86	≤23.98	PASS
11AC20SISO	Ant1	5200	10.52	96.32	0.16	10.68	≤23.98	PASS
11AC20SISO	Ant1	5240	10.55	96.32	0.16	10.71	≤23.98	PASS
11AC40SISO	Ant1	5190	11.13	94.20	0.26	11.39	≤23.98	PASS
11AC40SISO	Ant1	5230	11.01	94.20	0.26	11.27	≤23.98	PASS

Note: The Duty Cycle Factor is compensated in the graph.





D.3 Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	2.80	≤11.00	PASS
11A	Ant1	5200	2.63	≤11.00	PASS
11A	Ant1	5240	2.05	≤11.00	PASS
11N20SISO	Ant1	5180	-0.50	≤11.00	PASS
11N20SISO	Ant1	5200	-1.58	≤11.00	PASS
11N20SISO	Ant1	5240	-2.25	≤11.00	PASS
11N40SISO	Ant1	5190	-4.54	≤11.00	PASS
11N40SISO	Ant1	5230	-4.72	≤11.00	PASS
11AC20SISO	Ant1	5180	-2.41	≤11.00	PASS
11AC20SISO	Ant1	5200	-2.61	≤11.00	PASS
11AC20SISO	Ant1	5240	-2.49	≤11.00	PASS
11AC40SISO	Ant1	5190	-9.75	≤11.00	PASS
11AC40SISO	Ant1	5230	-9.72	≤11.00	PASS

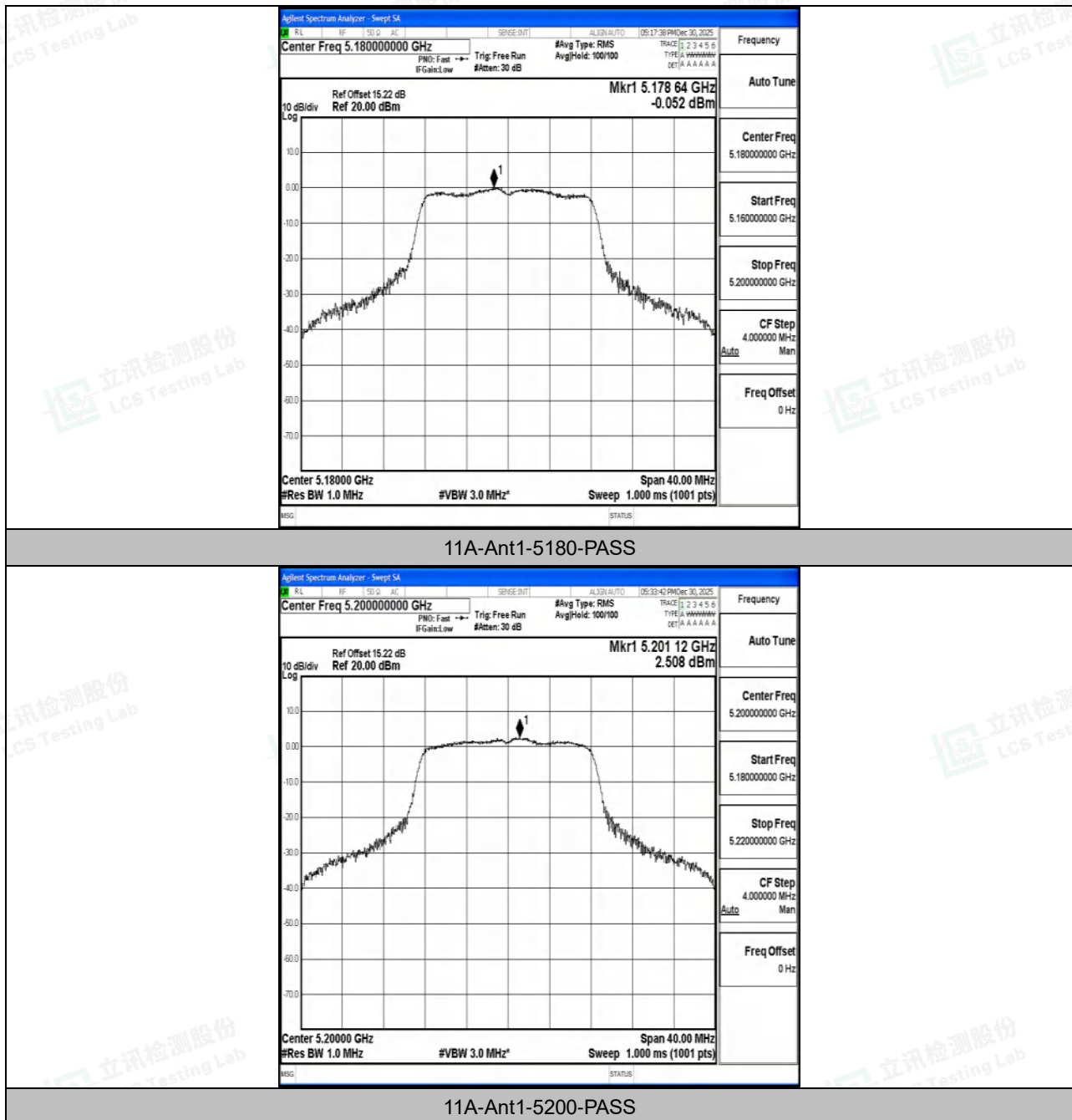
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

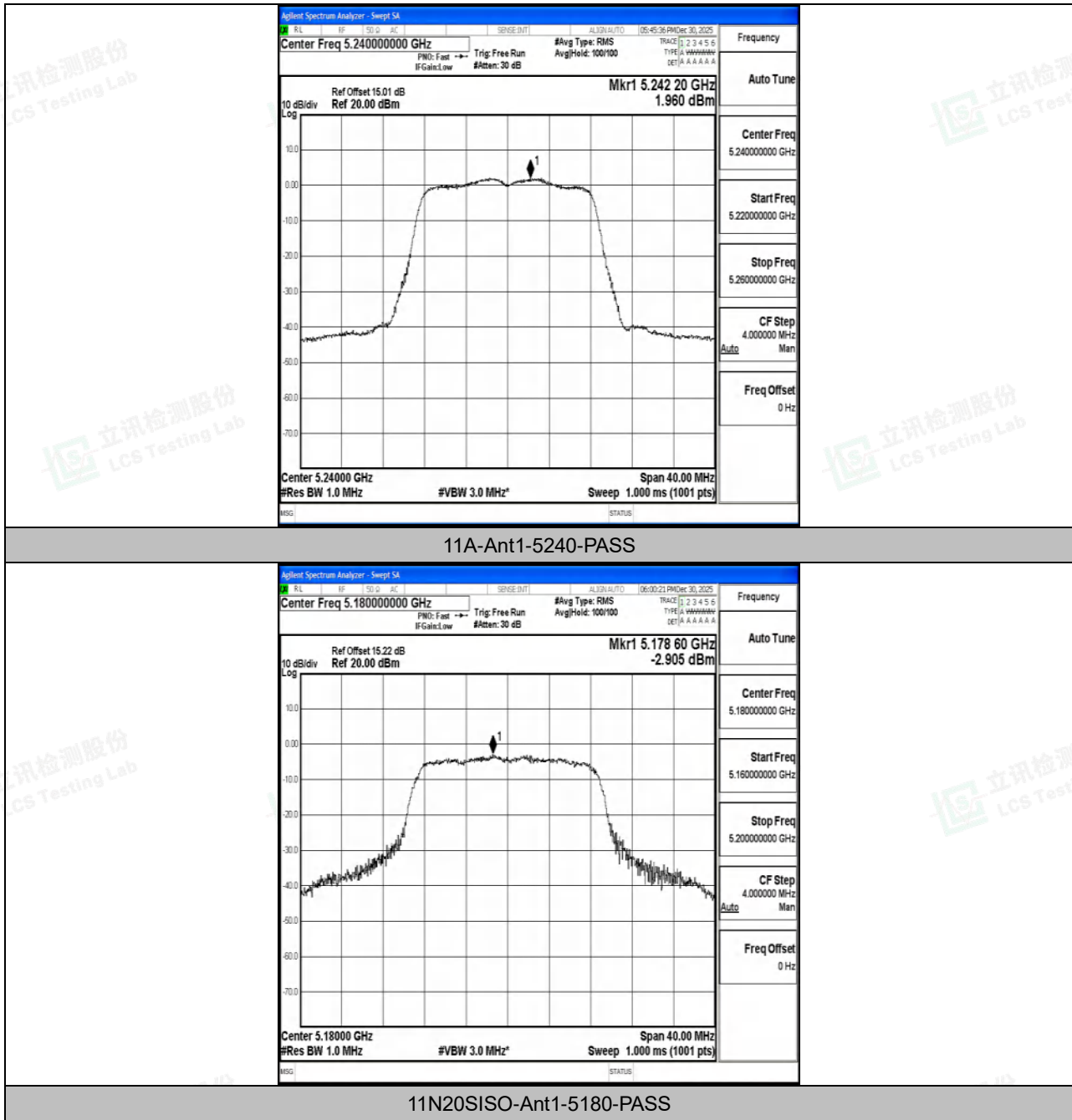
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

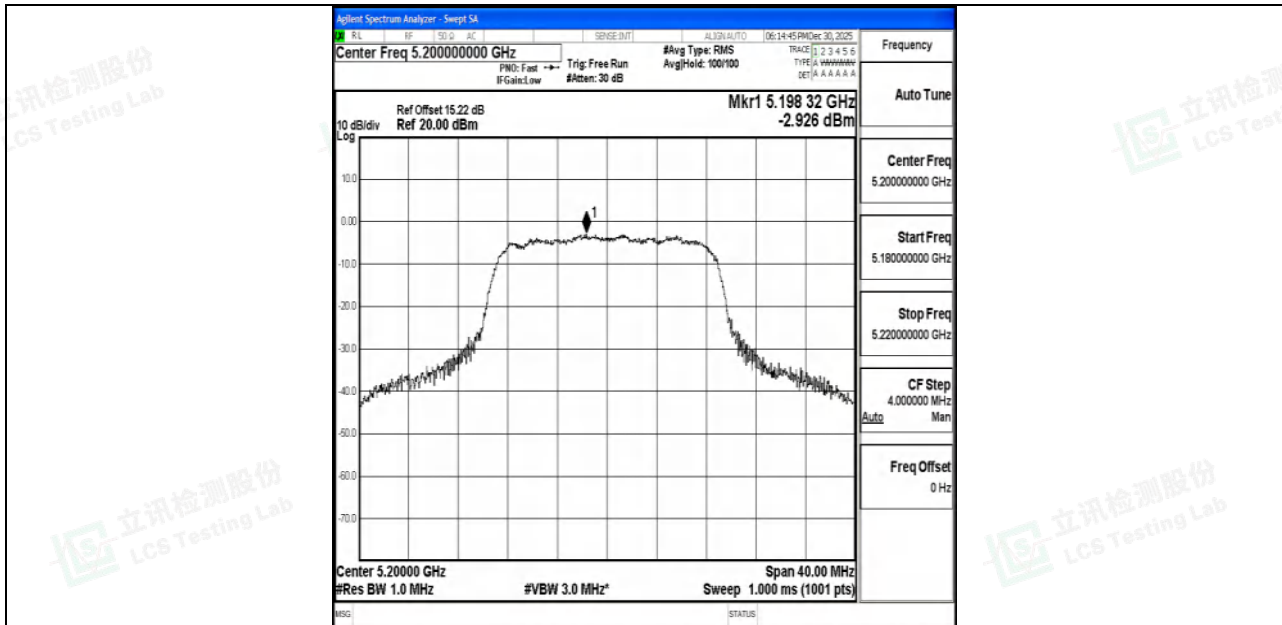




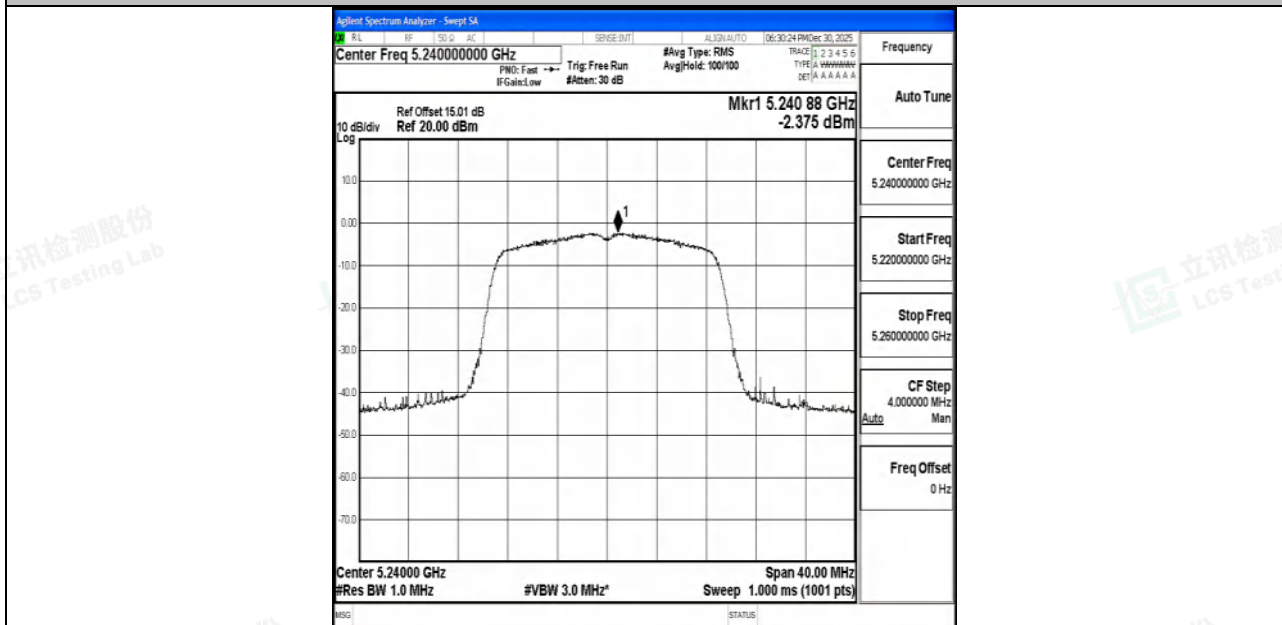
Test Graphs







11N20SISO-Ant1-5200-PASS



11N20SISO-Ant1-5240-PASS

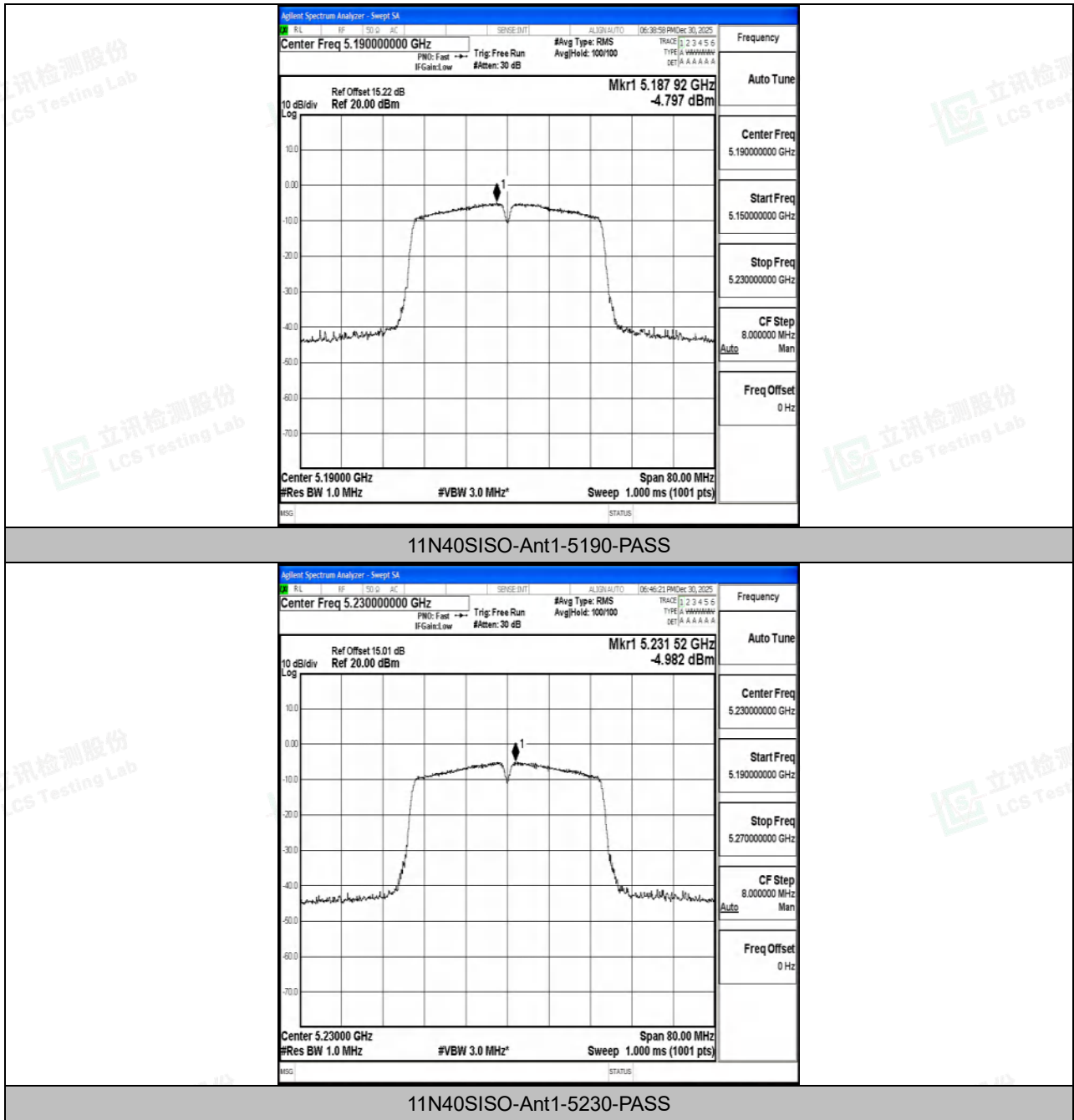


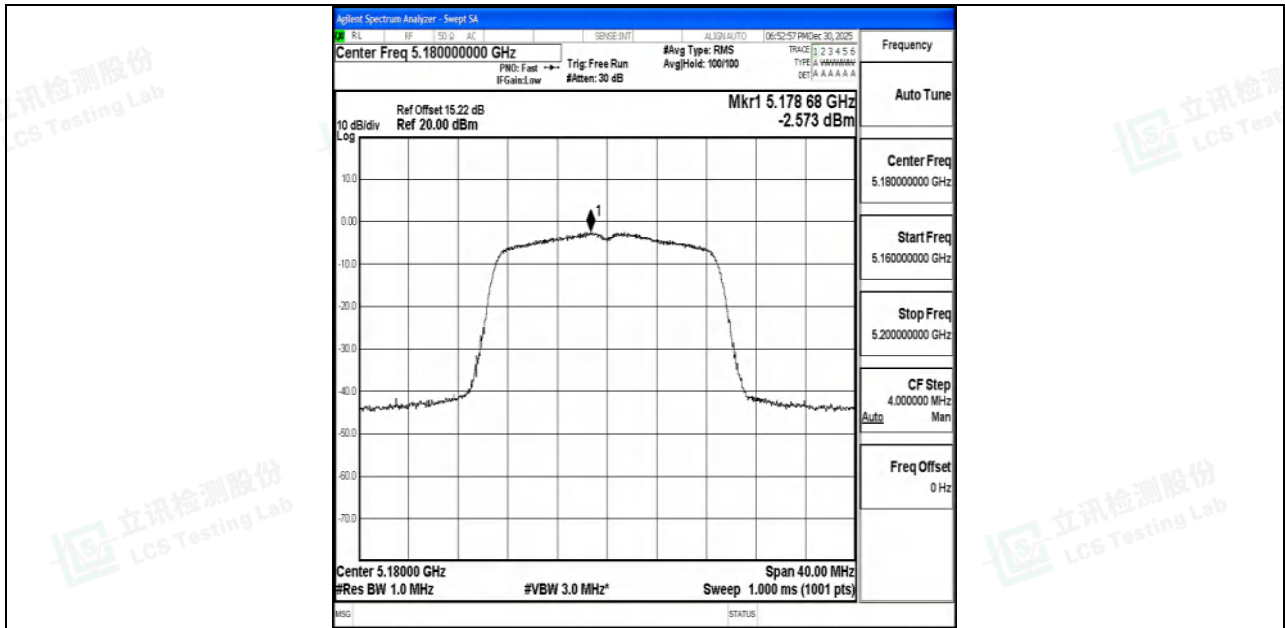
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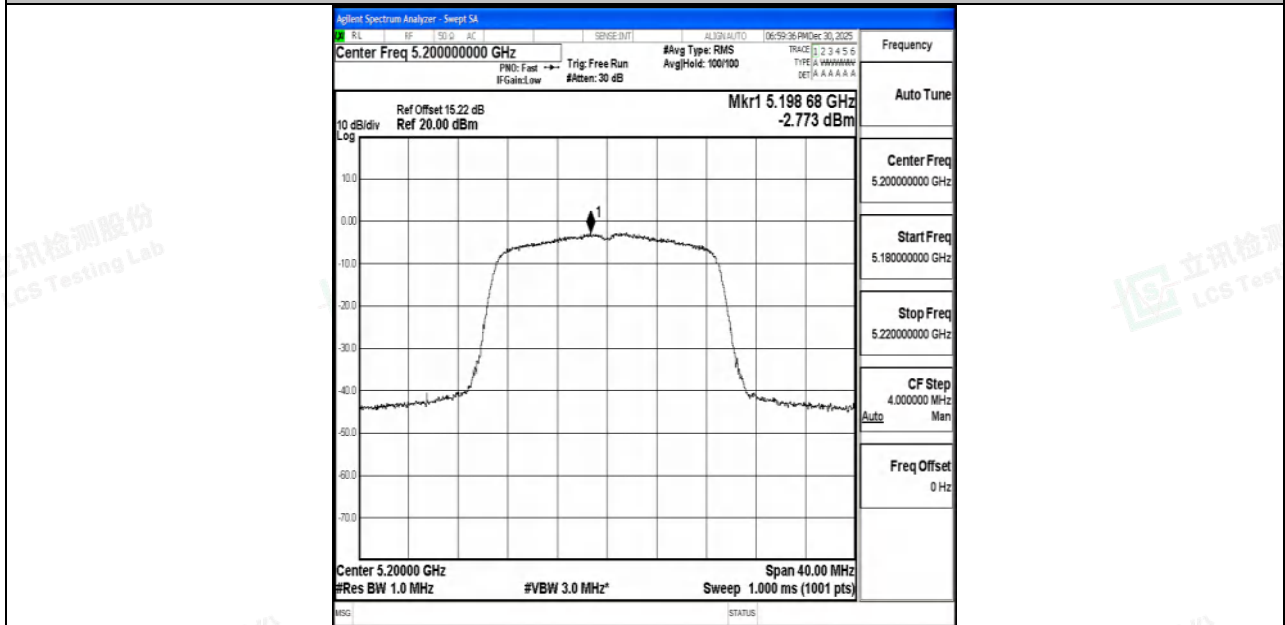
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11AC20SISO-Ant1-5180-PASS



11AC20SISO-Ant1-5200-PASS

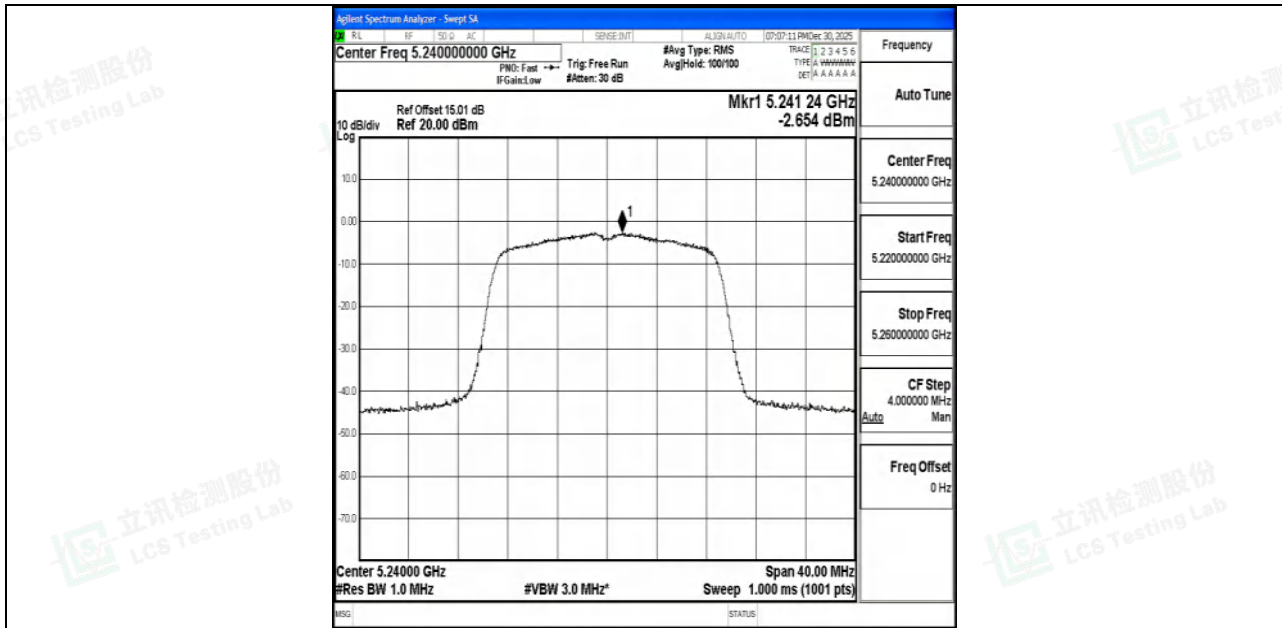


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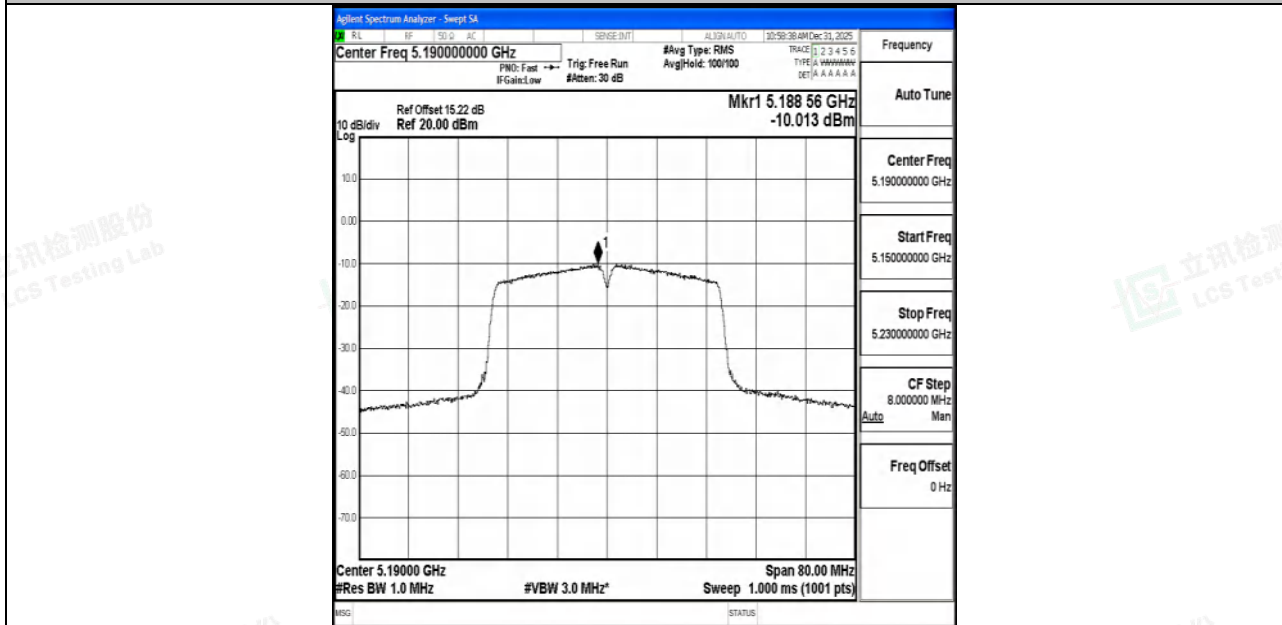
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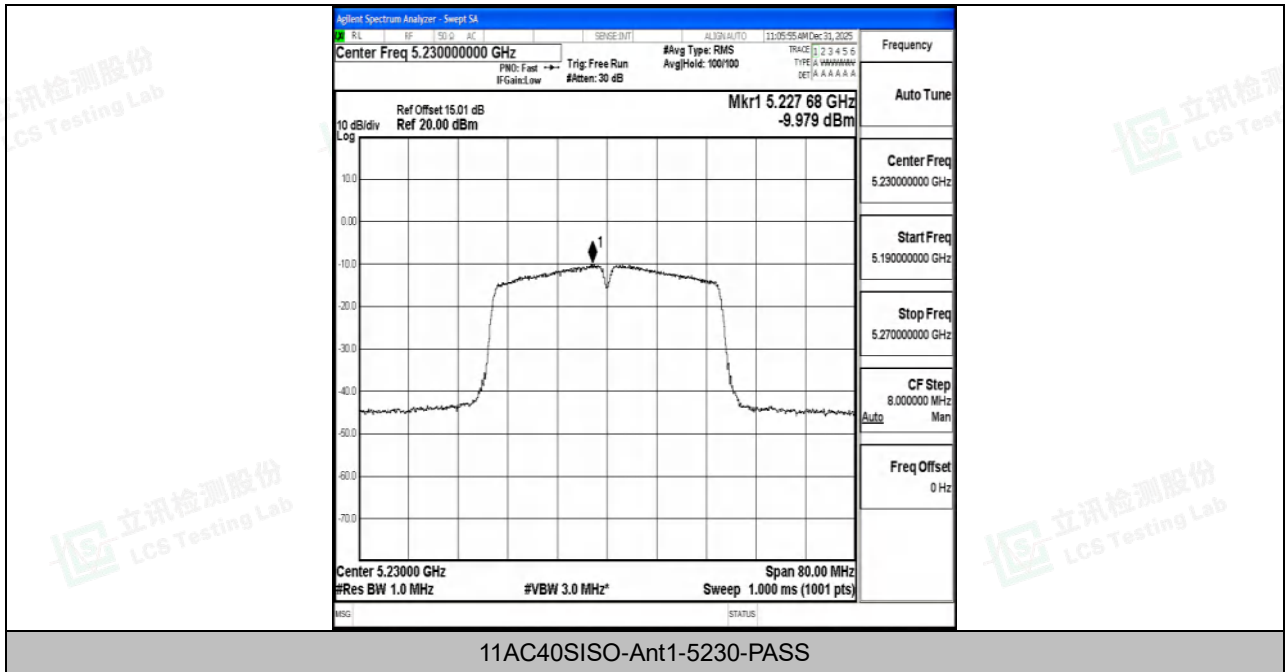


11AC20SISO-Ant1-5240-PASS



11AC40SISO-Ant1-5190-PASS







D.4 Emissions in Restricted Bands

Test Result

TestMode	Antenna	Channel Name	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5180	Peak	4500.000	-46.43	≤-21.20	48.77	≤74	PASS
11A	Ant1	Low	5180	Peak	5150.000	-42.97	≤-21.20	52.23	≤74	PASS
11A	Ant1	Low	5180	Peak	5144.000	-39.61	≤-21.20	55.59	≤74	PASS
11A	Ant1	Low	5180	AV	4500.000	-53.06	≤-41.20	42.14	≤54	PASS
11A	Ant1	Low	5180	AV	5150.000	-47.53	≤-41.20	47.67	≤54	PASS
11A	Ant1	Low	5180	AV	5148.200	-47.39	≤-41.20	47.81	≤54	PASS
11A	Ant1	High	5240	Peak	5350.000	-43.25	≤-21.20	51.95	≤74	PASS
11A	Ant1	High	5240	Peak	5460.000	-45.7	≤-21.20	49.50	≤74	PASS
11A	Ant1	High	5240	Peak	5356.320	-39.79	≤-21.20	55.41	≤74	PASS
11A	Ant1	High	5240	AV	5350.000	-50.05	≤-41.20	45.15	≤54	PASS
11A	Ant1	High	5240	AV	5460.000	-52.29	≤-41.20	42.91	≤54	PASS
11A	Ant1	High	5240	AV	5350.800	-49.91	≤-41.20	45.29	≤54	PASS
11N20SISO	Ant1	Low	5180	Peak	4500.000	-45.54	≤-21.20	49.66	≤74	PASS
11N20SISO	Ant1	Low	5180	Peak	5150.000	-39.82	≤-21.20	55.38	≤74	PASS
11N20SISO	Ant1	Low	5180	Peak	5127.900	-40.29	≤-21.20	54.91	≤74	PASS
11N20SISO	Ant1	Low	5180	AV	4500.000	-52.81	≤-41.20	42.39	≤54	PASS
11N20SISO	Ant1	Low	5180	AV	5150.000	-48.57	≤-41.20	46.63	≤54	PASS
11N20SISO	Ant1	Low	5180	AV	5149.600	-48.55	≤-41.20	46.65	≤54	PASS
11N20SISO	Ant1	High	5240	Peak	5350.000	-43.38	≤-21.20	51.82	≤74	PASS
11N20SISO	Ant1	High	5240	Peak	5460.000	-46.47	≤-21.20	48.73	≤74	PASS
11N20SISO	Ant1	High	5240	Peak	5407.200	-42.25	≤-21.20	52.95	≤74	PASS
11N20SISO	Ant1	High	5240	AV	5350.000	-51.87	≤-41.20	43.33	≤54	PASS
11N20SISO	Ant1	High	5240	AV	5460.000	-52.56	≤-41.20	42.64	≤54	PASS
11N20SISO	Ant1	High	5240	AV	5352.240	-51.67	≤-41.20	43.53	≤54	PASS
11N40SISO	Ant1	Low	5190	Peak	4500.000	-44.67	≤-21.20	50.53	≤74	PASS
11N40SISO	Ant1	Low	5190	Peak	5150.000	-29.4	≤-21.20	65.80	≤74	PASS
11N40SISO	Ant1	Low	5190	Peak	5149.600	-30.23	≤-21.20	64.97	≤74	PASS
11N40SISO	Ant1	Low	5190	AV	4500.000	-52.66	≤-41.20	42.54	≤54	PASS
11N40SISO	Ant1	Low	5190	AV	5150.000	-43.91	≤-41.20	51.29	≤54	PASS
11N40SISO	Ant1	Low	5190	AV	5149.600	-44.41	≤-41.20	50.79	≤54	PASS
11N40SISO	Ant1	High	5230	Peak	5350.000	-46.11	≤-21.20	49.09	≤74	PASS
11N40SISO	Ant1	High	5230	Peak	5460.000	-45.69	≤-21.20	49.51	≤74	PASS
11N40SISO	Ant1	High	5230	Peak	5373.420	-42.51	≤-21.20	52.69	≤74	PASS
11N40SISO	Ant1	High	5230	AV	5350.000	-51.73	≤-41.20	43.47	≤54	PASS
11N40SISO	Ant1	High	5230	AV	5460.000	-52.46	≤-41.20	42.74	≤54	PASS
11N40SISO	Ant1	High	5230	AV	5350.800	-51.48	≤-41.20	43.72	≤54	PASS



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11AC20SISO	Ant1	Low	5180	Peak	4500.000	-45.51	≤-21.20	49.69	≤74	PASS
11AC20SISO	Ant1	Low	5180	Peak	5150.000	-39.58	≤-21.20	55.62	≤74	PASS
11AC20SISO	Ant1	Low	5180	Peak	5146.800	-36.45	≤-21.20	58.75	≤74	PASS
11AC20SISO	Ant1	Low	5180	AV	4500.000	-52.79	≤-41.20	42.41	≤54	PASS
11AC20SISO	Ant1	Low	5180	AV	5150.000	-48.27	≤-41.20	46.93	≤54	PASS
11AC20SISO	Ant1	Low	5180	AV	5149.600	-48.1	≤-41.20	47.10	≤54	PASS
11AC20SISO	Ant1	High	5240	Peak	5350.000	-44.96	≤-21.20	50.24	≤74	PASS
11AC20SISO	Ant1	High	5240	Peak	5460.000	-44.91	≤-21.20	50.29	≤74	PASS
11AC20SISO	Ant1	High	5240	Peak	5357.280	-41.93	≤-21.20	53.27	≤74	PASS
11AC20SISO	Ant1	High	5240	AV	5350.000	-51.78	≤-41.20	43.42	≤54	PASS
11AC20SISO	Ant1	High	5240	AV	5460.000	-52.42	≤-41.20	42.78	≤54	PASS
11AC20SISO	Ant1	High	5240	AV	5350.080	-51.78	≤-41.20	43.42	≤54	PASS
11AC40SISO	Ant1	Low	5190	Peak	4500.000	-46.12	≤-21.20	49.08	≤74	PASS
11AC40SISO	Ant1	Low	5190	Peak	5150.000	-38.82	≤-21.20	56.38	≤74	PASS
11AC40SISO	Ant1	Low	5190	Peak	5143.300	-36.56	≤-21.20	58.64	≤74	PASS
11AC40SISO	Ant1	Low	5190	AV	4500.000	-52.89	≤-41.20	42.31	≤54	PASS
11AC40SISO	Ant1	Low	5190	AV	5150.000	-46.52	≤-41.20	48.68	≤54	PASS
11AC40SISO	Ant1	Low	5190	AV	5149.600	-47	≤-41.20	48.20	≤54	PASS
11AC40SISO	Ant1	High	5230	Peak	5350.000	-46.16	≤-21.20	49.04	≤74	PASS
11AC40SISO	Ant1	High	5230	Peak	5460.000	-44.46	≤-21.20	50.74	≤74	PASS
11AC40SISO	Ant1	High	5230	Peak	5449.600	-43.12	≤-21.20	52.08	≤74	PASS
11AC40SISO	Ant1	High	5230	AV	5350.000	-52.19	≤-41.20	43.01	≤54	PASS
11AC40SISO	Ant1	High	5230	AV	5460.000	-52.37	≤-41.20	42.83	≤54	PASS
11AC40SISO	Ant1	High	5230	AV	5359.120	-51.95	≤-41.20	43.25	≤54	PASS

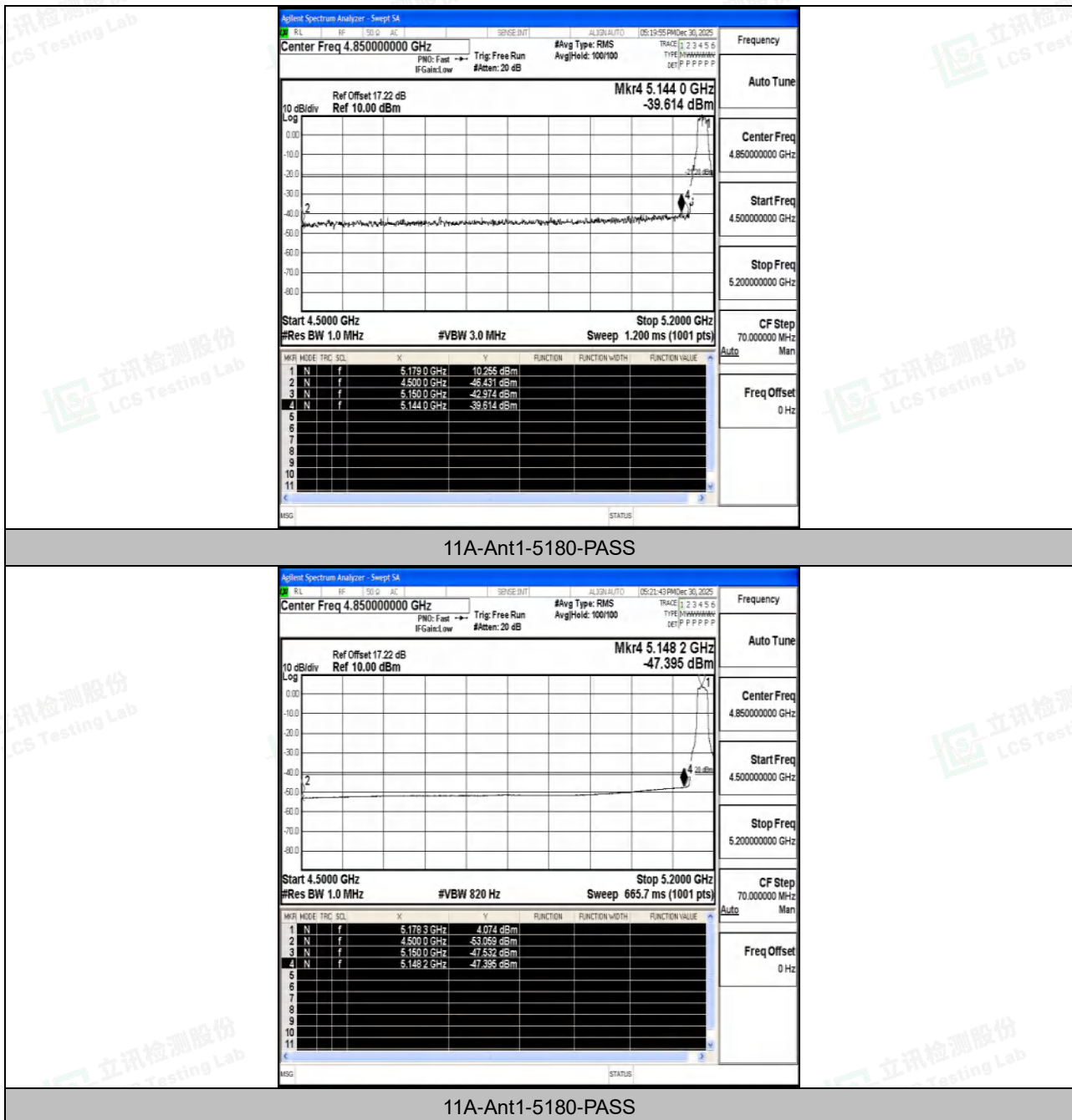
Note:

1. The Antenna Gain is compensated in the graph.
2. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.





Test Graphs

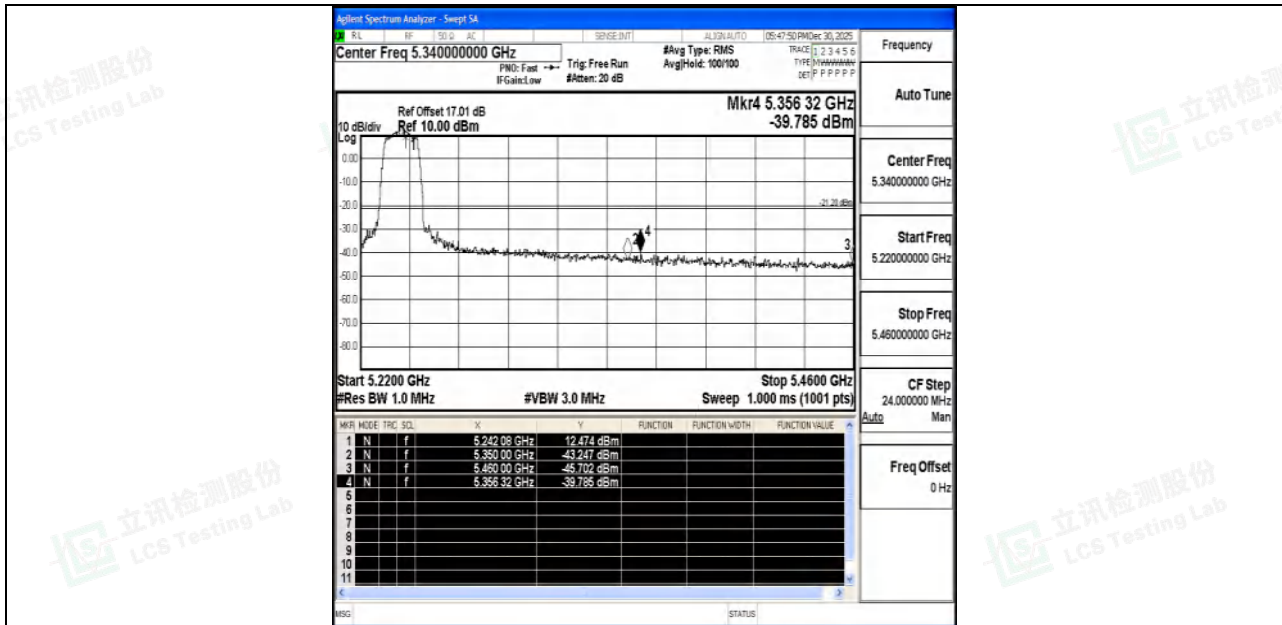


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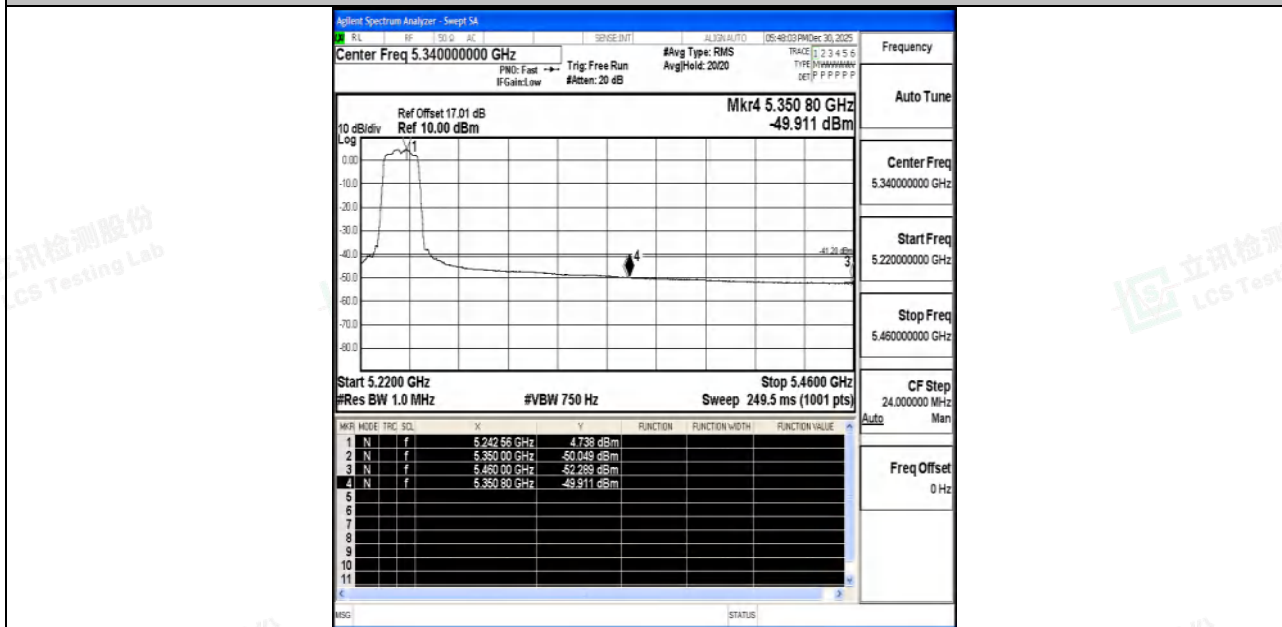
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11A-Ant1-5240-PASS



11A-Ant1-5240-PASS

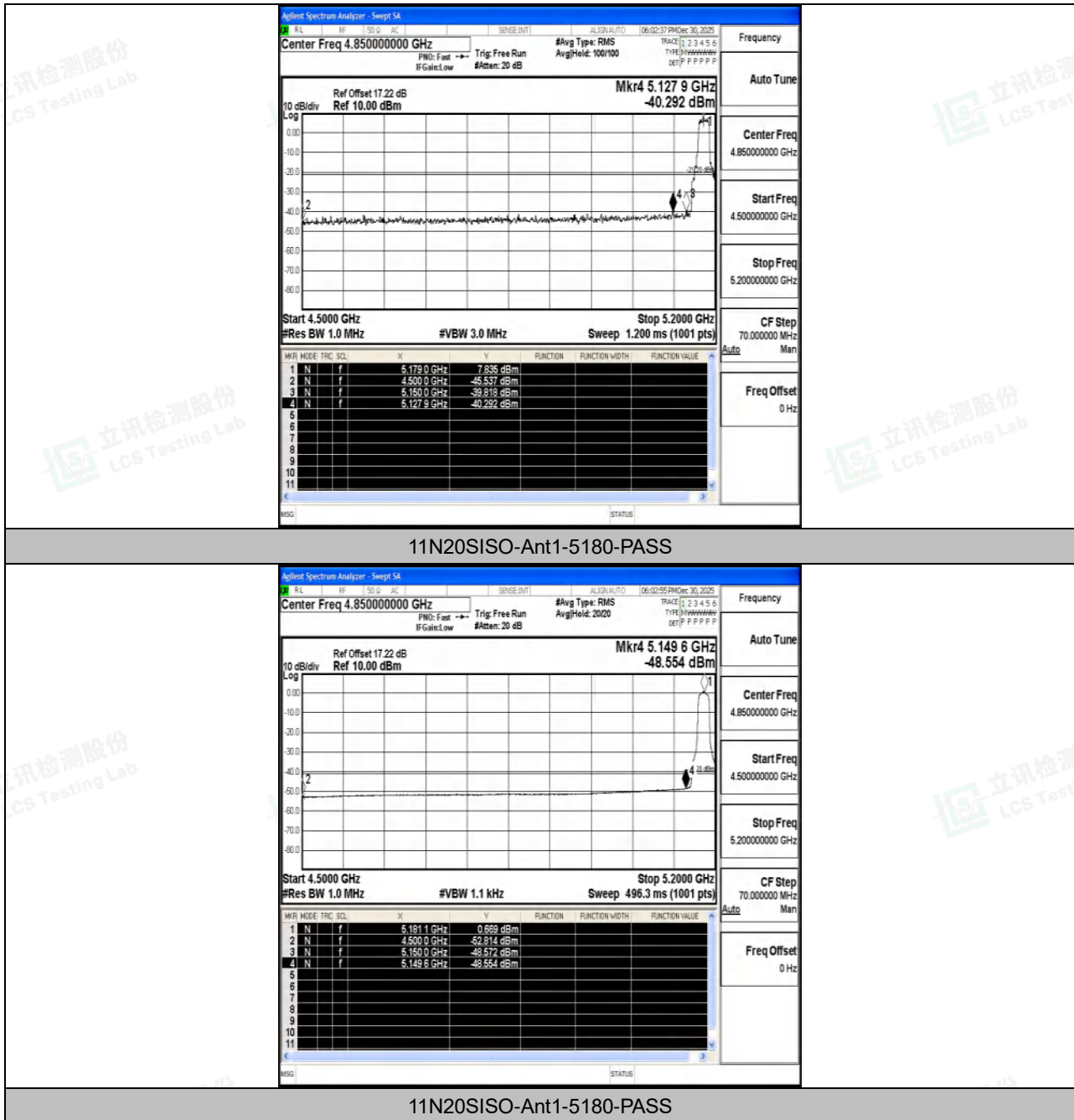


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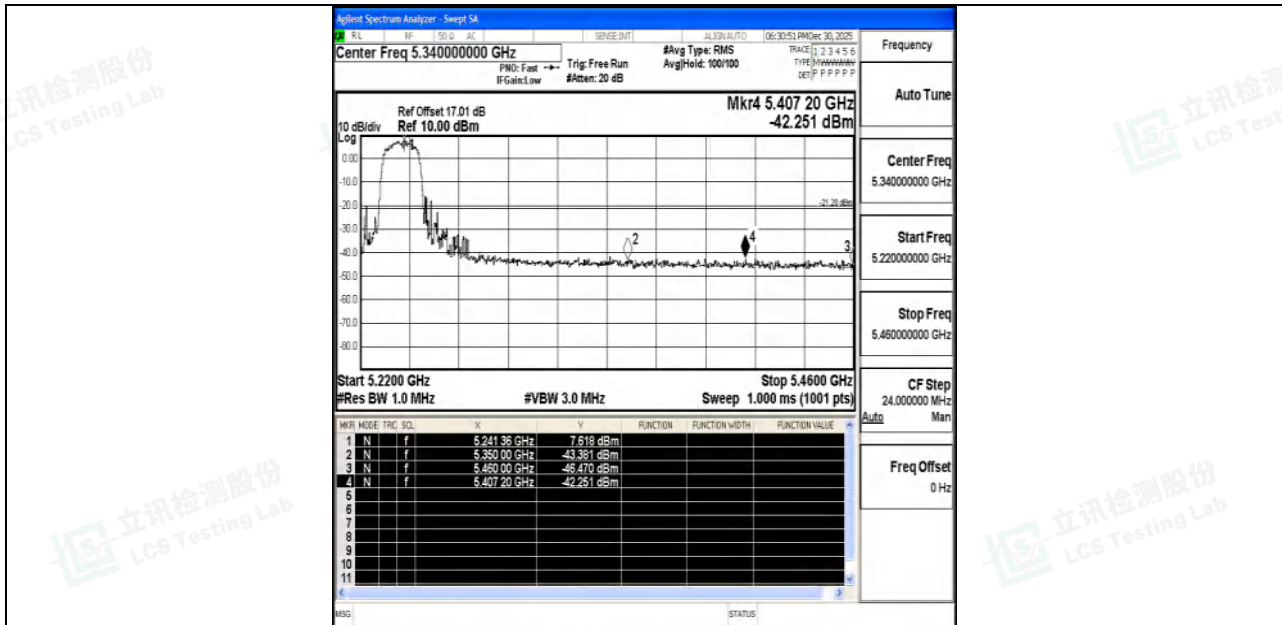


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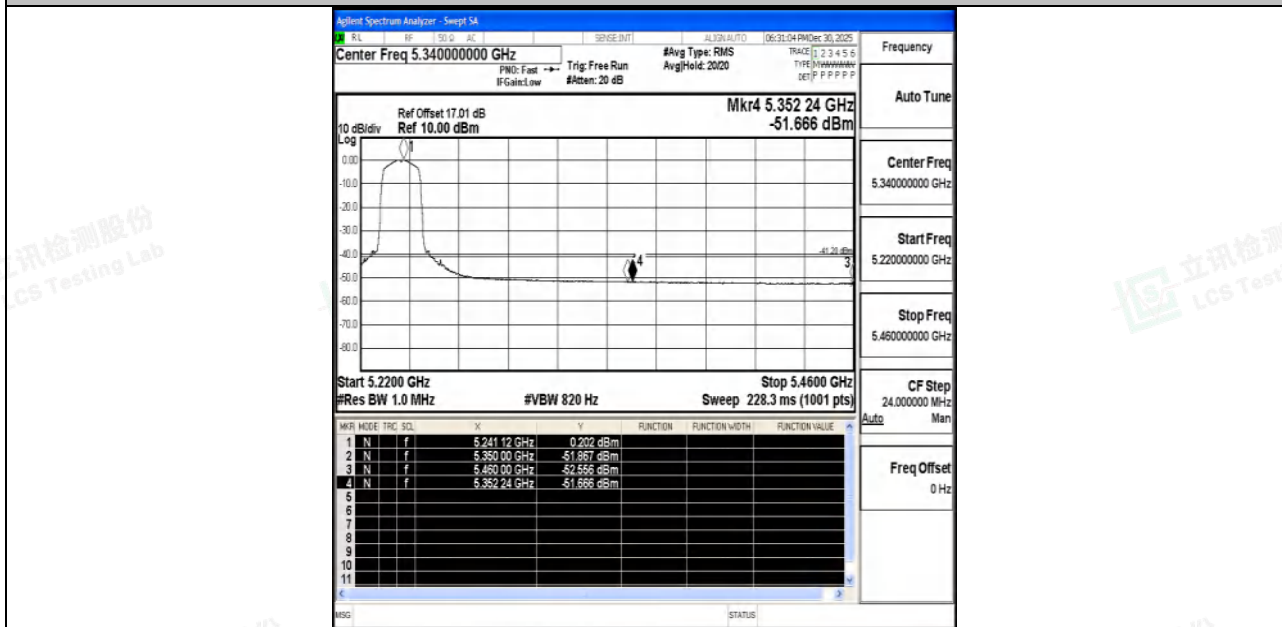
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11N20SISO-Ant1-5240-PASS



11N20SISO-Ant1-5240-PASS

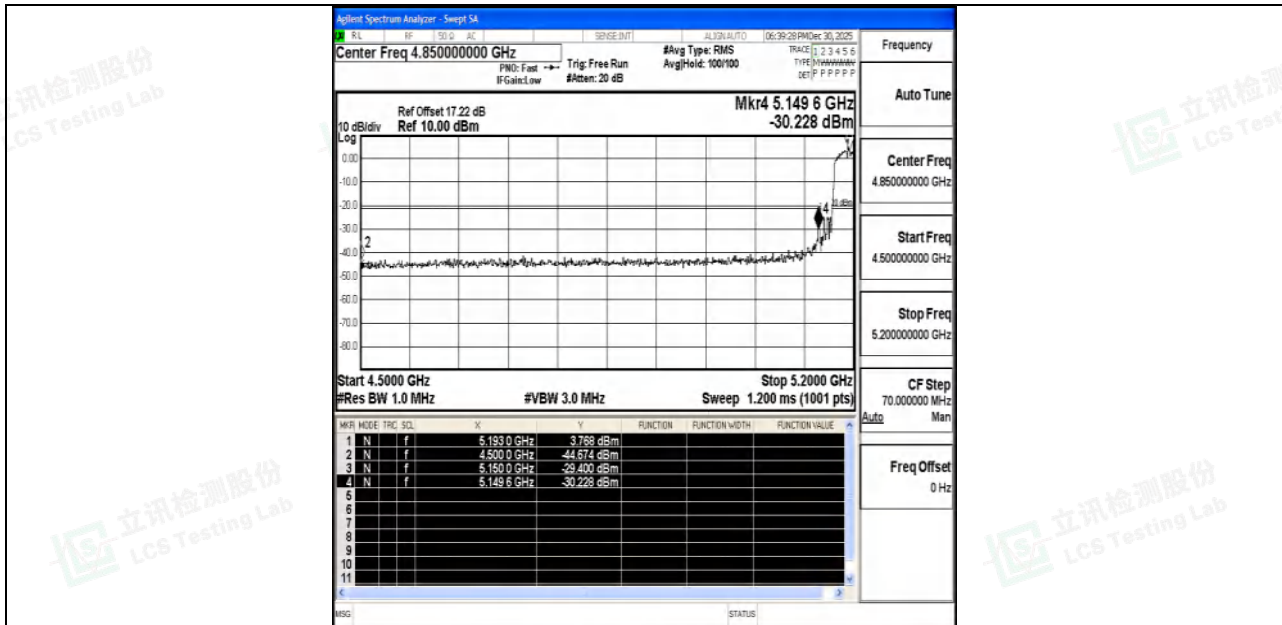


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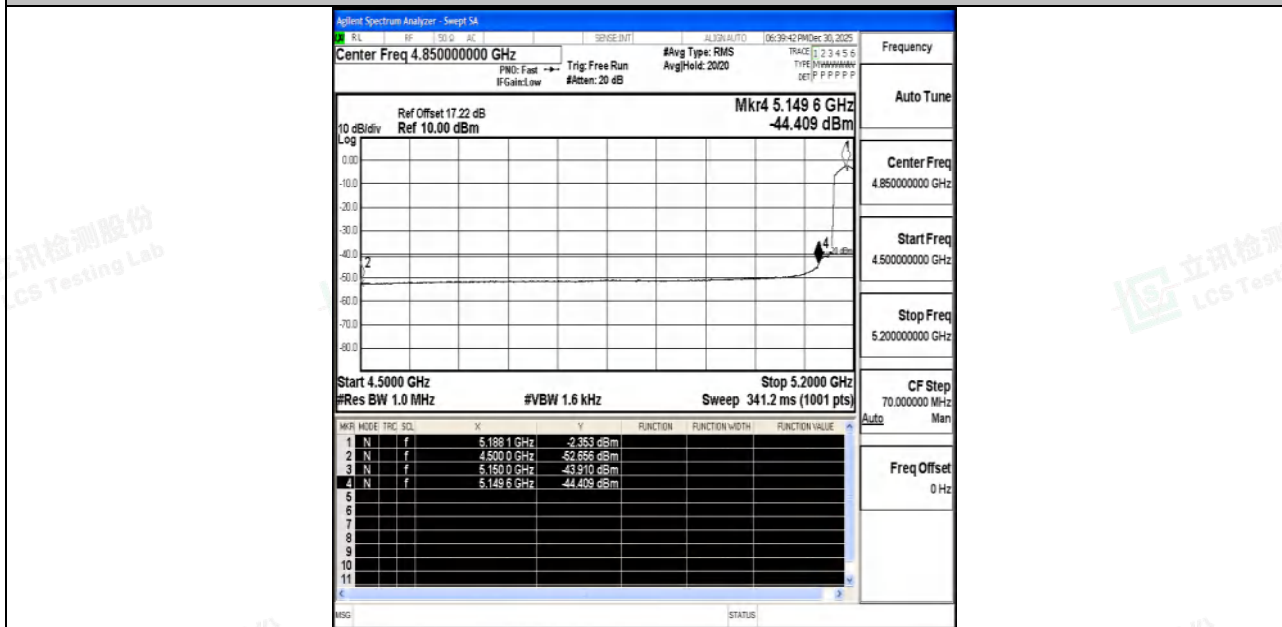
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11N40SISO-Ant1-5190-PASS



11N40SISO-Ant1-5190-PASS

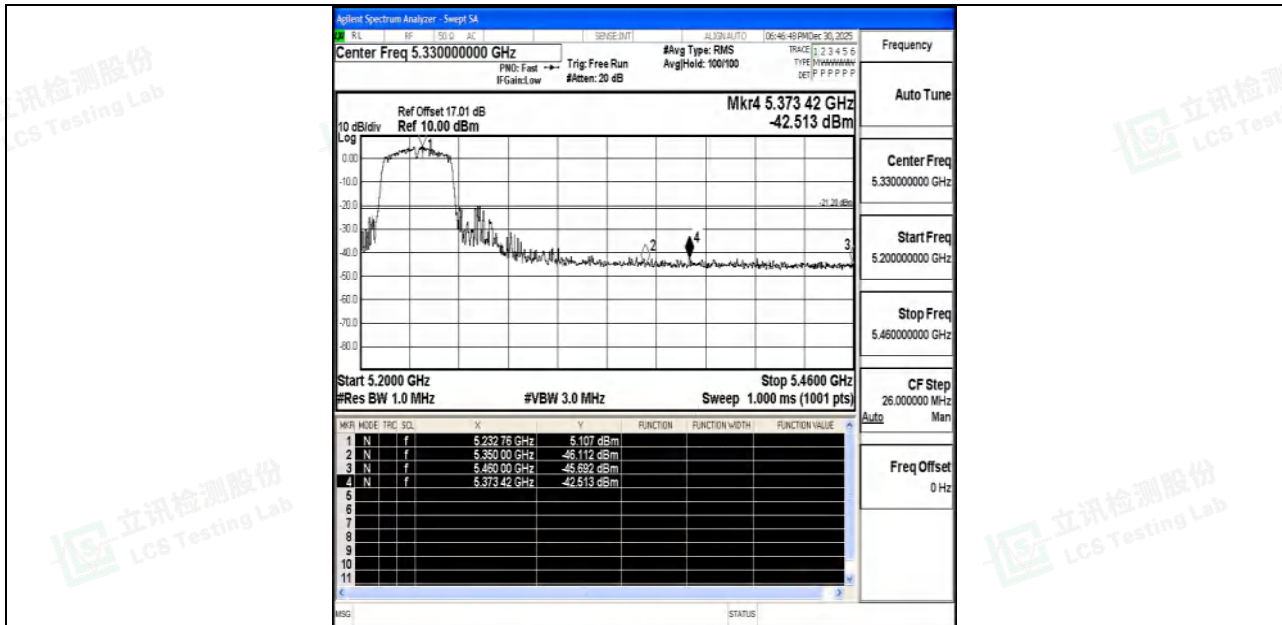


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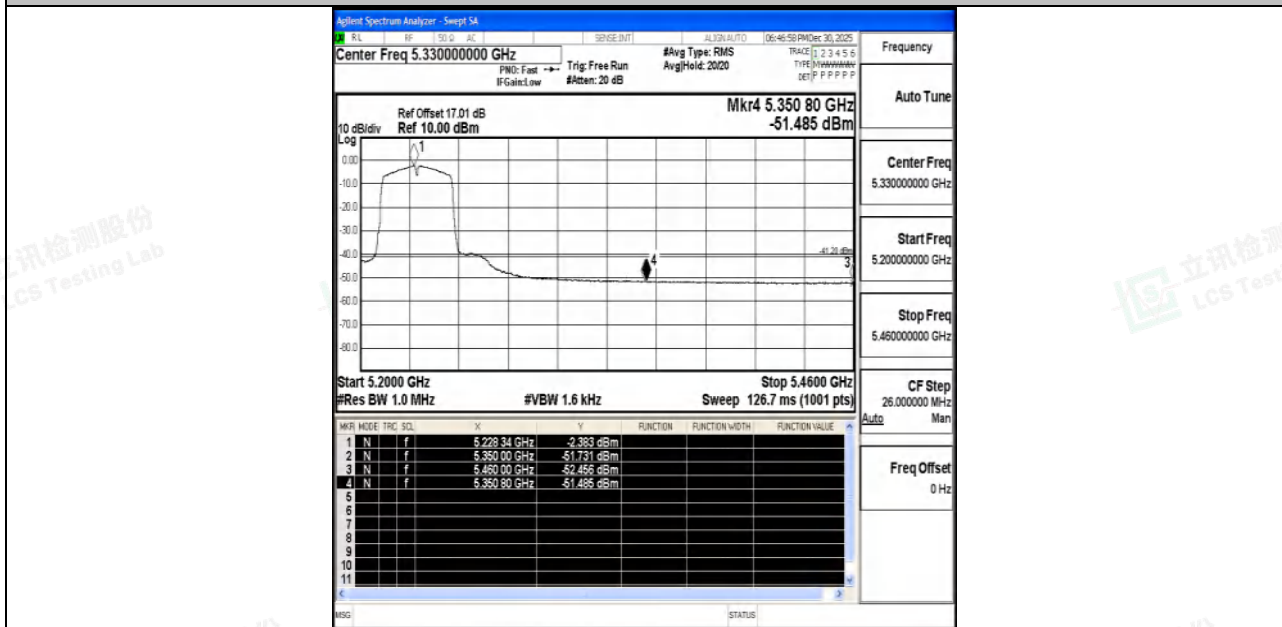
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N40SISO-Ant1-5230-PASS



11N40SISO-Ant1-5230-PASS

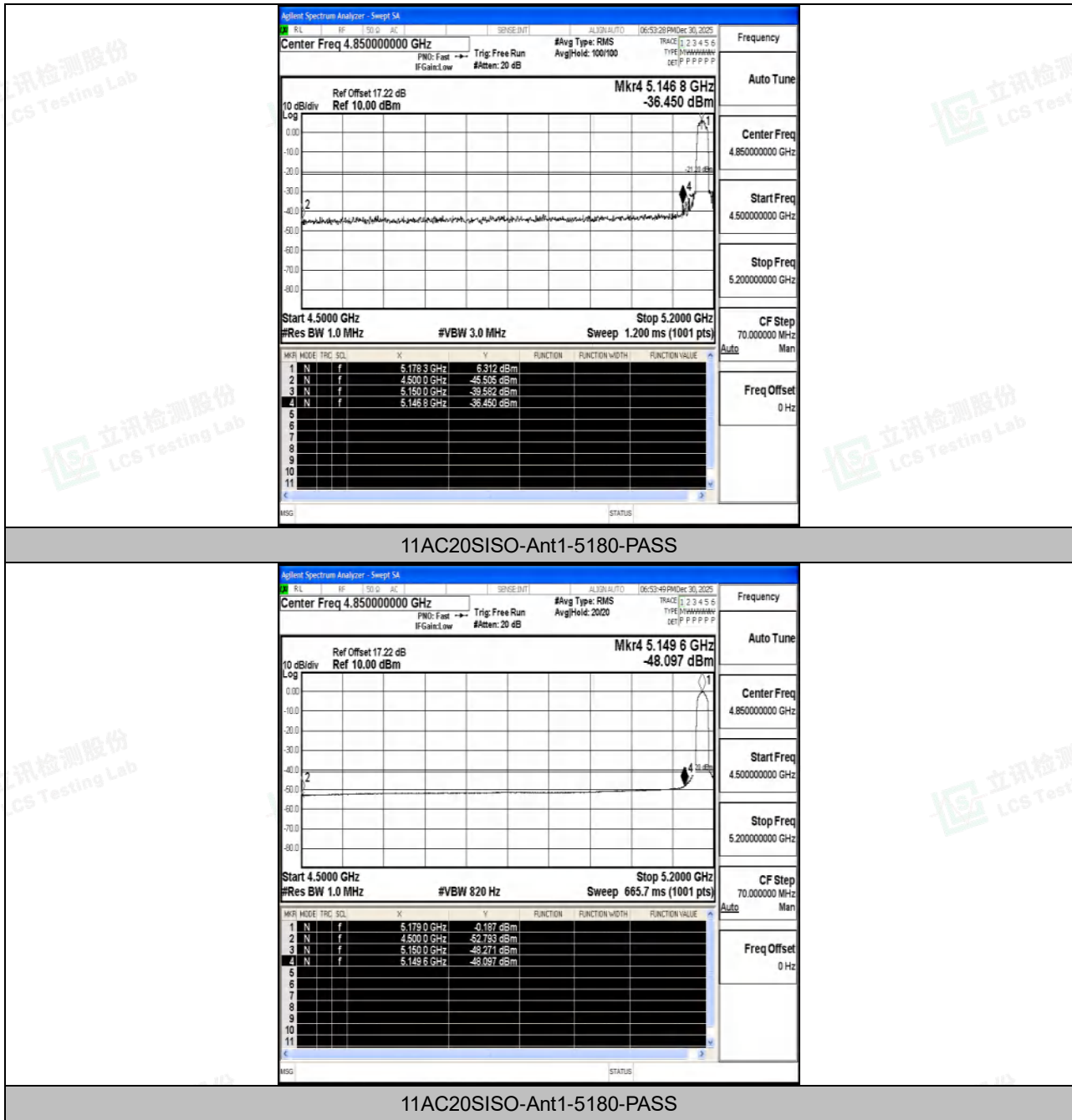


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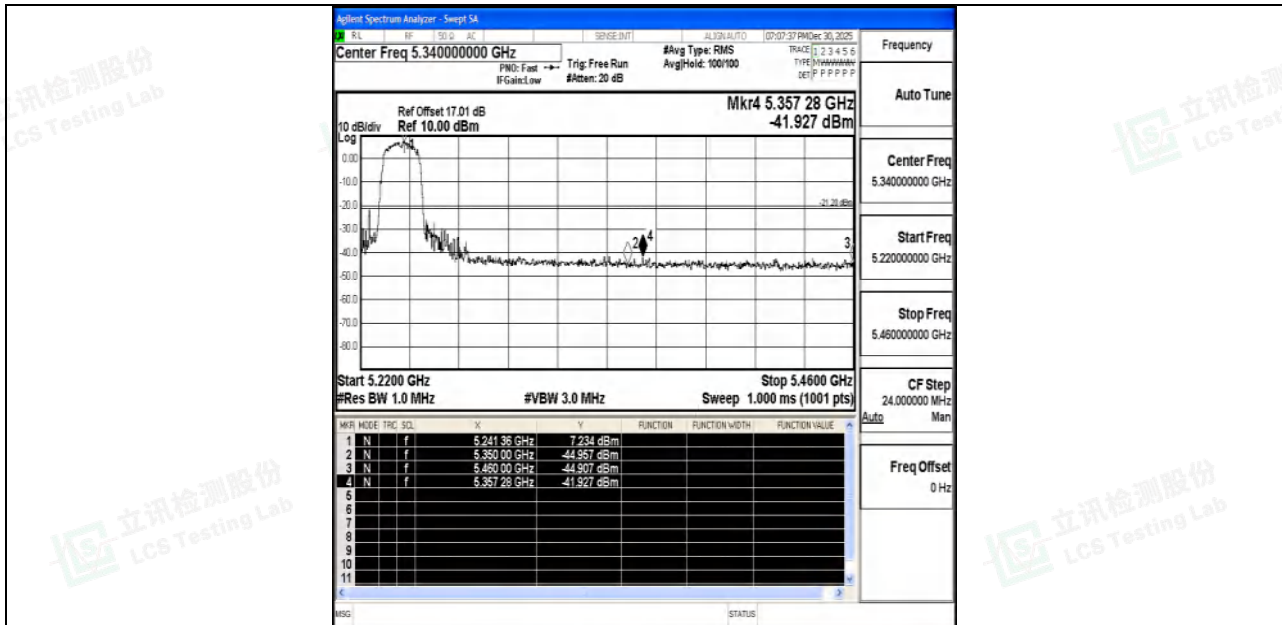


Shenzhen LCS Compliance Testing Laboratory Ltd.

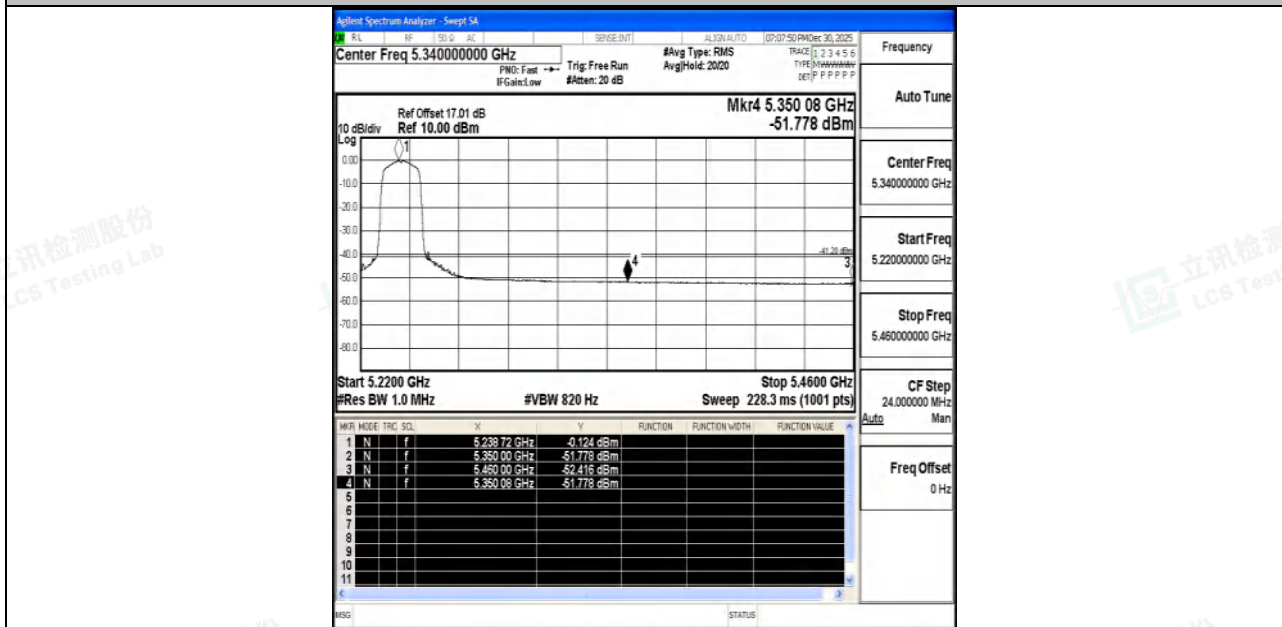
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

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11AC20SISO-Ant1-5240-PASS



11AC20SISO-Ant1-5240-PASS

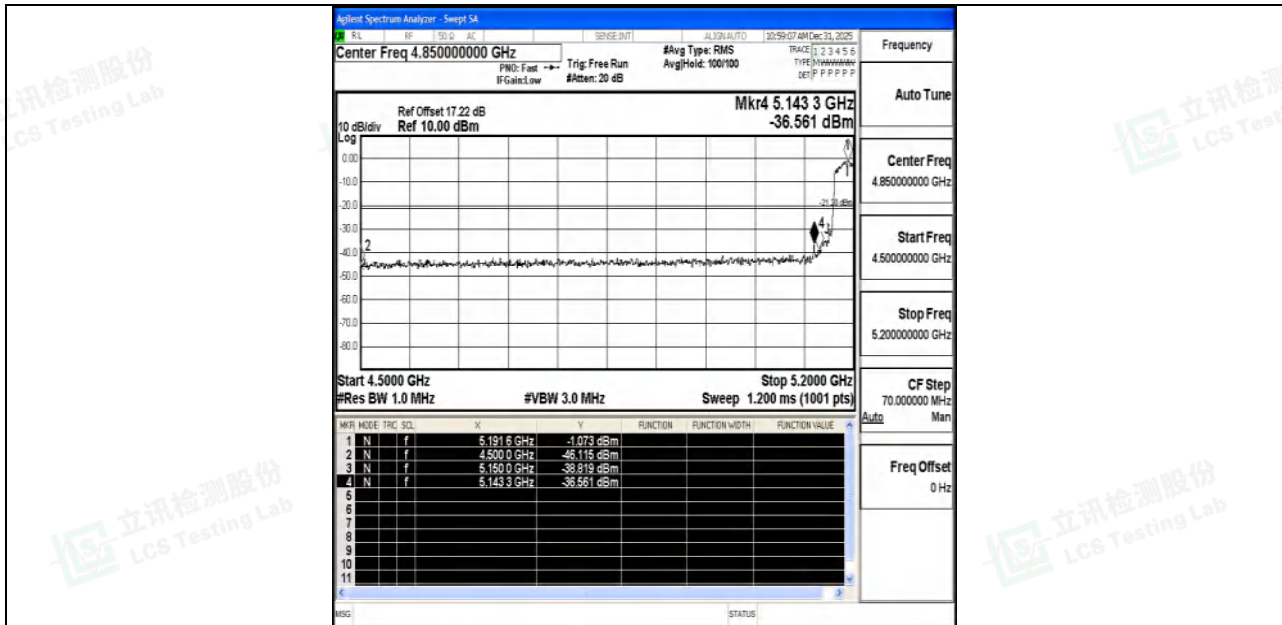


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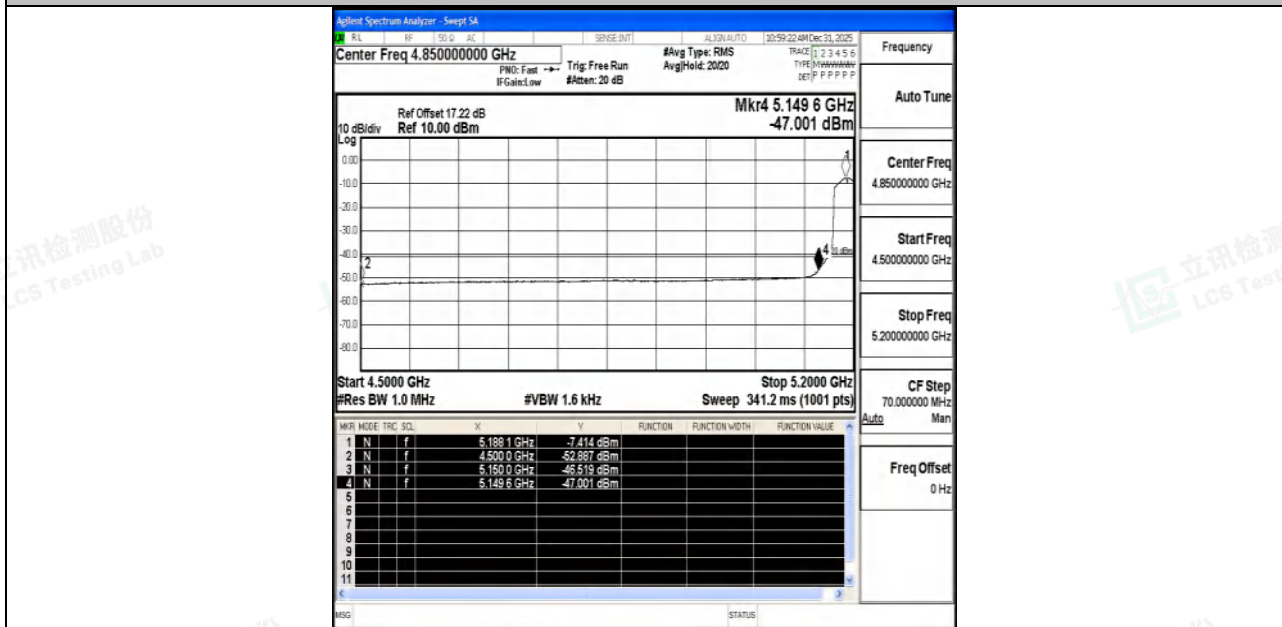
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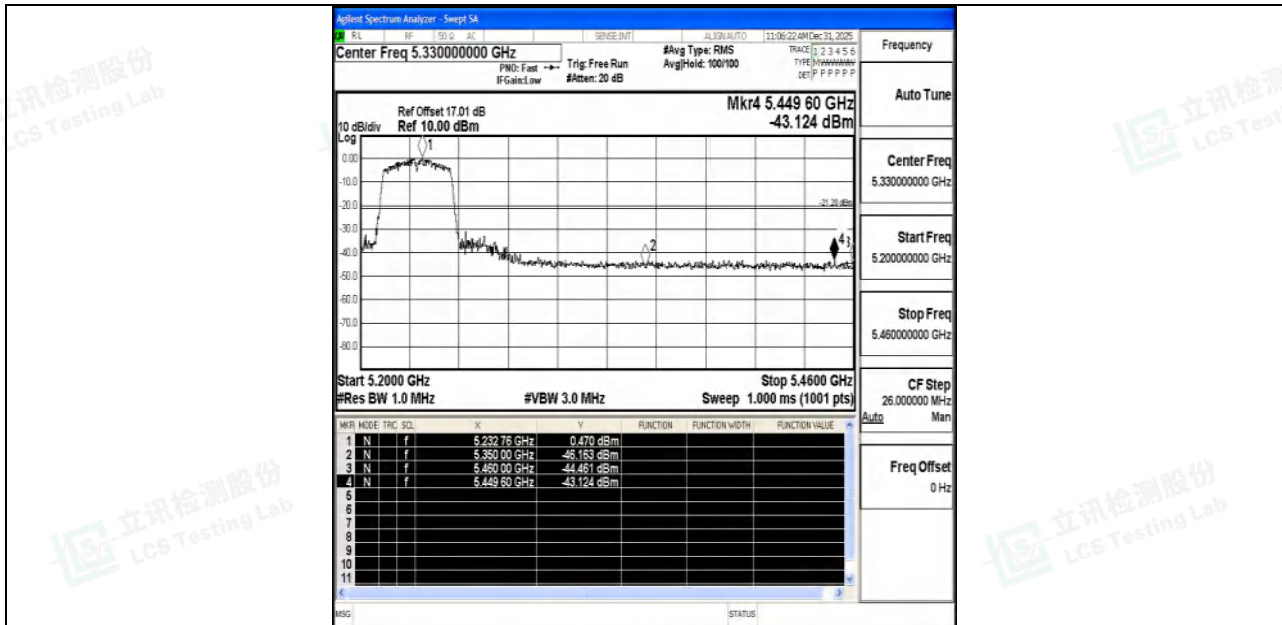


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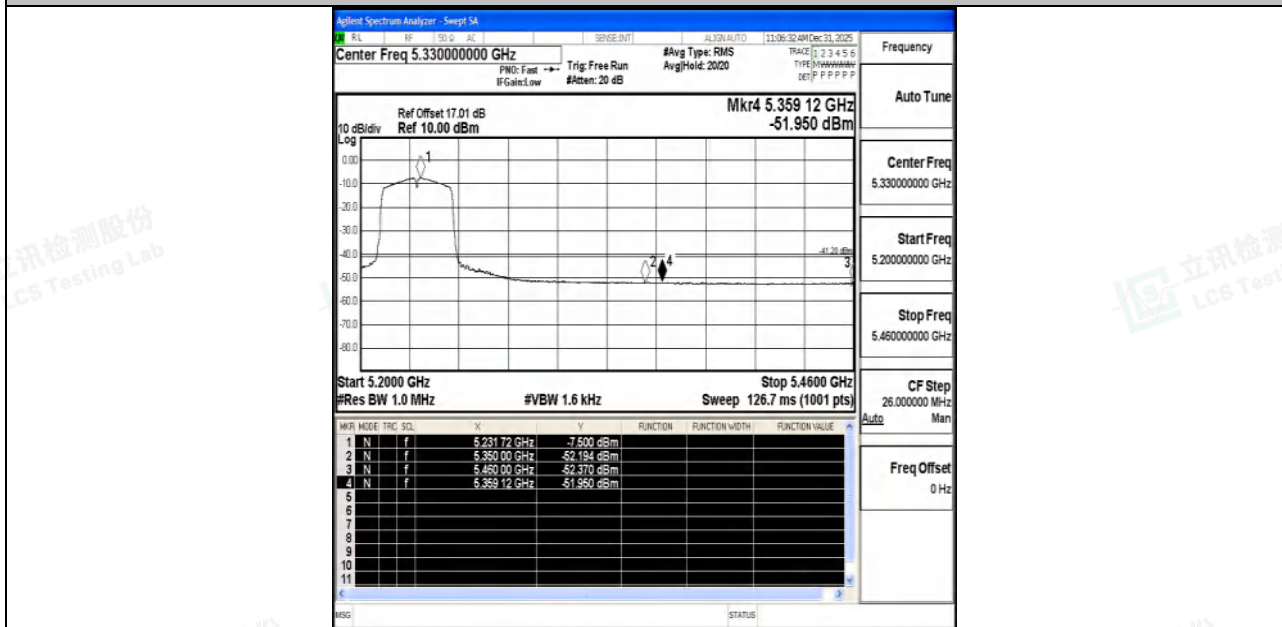


11AC40SISO-Ant1-5190-PASS





11AC40SISO-Ant1-5230-PASS



11AC40SISO-Ant1-5230-PASS



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D.5 Frequency Stability

Test Result

TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	LV	NT	-60000.00	-11.583012	20	PASS
11A	Ant1	5180	HV	NT	-60000.00	-11.583012	20	PASS
11A	Ant1	5200	NV	NT	-60000.00	-11.538462	20	PASS
11A	Ant1	5200	LV	NT	-60000.00	-11.538462	20	PASS
11A	Ant1	5200	HV	NT	-60000.00	-11.538462	20	PASS
11A	Ant1	5240	NV	NT	-60000.00	-11.450382	20	PASS
11A	Ant1	5240	LV	NT	-60000.00	-11.450382	20	PASS
11A	Ant1	5240	HV	NT	-60000.00	-11.450382	20	PASS
11N20SISO	Ant1	5180	NV	NT	-80000.00	-15.444015	20	PASS
11N20SISO	Ant1	5180	LV	NT	-40000.00	-7.722008	20	PASS
11N20SISO	Ant1	5180	HV	NT	-40000.00	-7.722008	20	PASS
11N20SISO	Ant1	5200	NV	NT	-60000.00	-11.538462	20	PASS
11N20SISO	Ant1	5200	LV	NT	-60000.00	-11.538462	20	PASS
11N20SISO	Ant1	5200	HV	NT	-40000.00	-7.692308	20	PASS
11N20SISO	Ant1	5240	NV	NT	0.00	0.000000	20	PASS
11N20SISO	Ant1	5240	LV	NT	0.00	0.000000	20	PASS
11N20SISO	Ant1	5240	HV	NT	0.00	0.000000	20	PASS
11N40SISO	Ant1	5190	NV	NT	0.00	0.000000	20	PASS
11N40SISO	Ant1	5190	LV	NT	0.00	0.000000	20	PASS
11N40SISO	Ant1	5190	HV	NT	0.00	0.000000	20	PASS
11N40SISO	Ant1	5230	NV	NT	0.00	0.000000	20	PASS
11N40SISO	Ant1	5230	LV	NT	0.00	0.000000	20	PASS
11N40SISO	Ant1	5230	HV	NT	40000.00	7.648184	20	PASS
11AC20SISO	Ant1	5180	NV	NT	0.00	0.000000	20	PASS
11AC20SISO	Ant1	5180	LV	NT	-40000.00	-7.722008	20	PASS
11AC20SISO	Ant1	5180	HV	NT	-20000.00	-3.861004	20	PASS
11AC20SISO	Ant1	5200	NV	NT	-20000.00	-3.846154	20	PASS
11AC20SISO	Ant1	5200	LV	NT	-20000.00	-3.846154	20	PASS
11AC20SISO	Ant1	5200	HV	NT	-20000.00	-3.846154	20	PASS
11AC20SISO	Ant1	5240	NV	NT	0.00	0.000000	20	PASS
11AC20SISO	Ant1	5240	LV	NT	0.00	0.000000	20	PASS
11AC20SISO	Ant1	5240	HV	NT	-20000.00	-3.816794	20	PASS
11AC40SISO	Ant1	5190	NV	NT	0.00	0.000000	20	PASS
11AC40SISO	Ant1	5190	LV	NT	0.00	0.000000	20	PASS
11AC40SISO	Ant1	5190	HV	NT	0.00	0.000000	20	PASS
11AC40SISO	Ant1	5230	NV	NT	-40000.00	-7.648184	20	PASS



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11AC40SISO	Ant1	5230	LV	NT	-40000.00	-7.648184	20	PASS
11AC40SISO	Ant1	5230	HV	NT	0.00	0.000000	20	PASS

TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-60000.00	-11.583012	20	PASS
11A	Ant1	5180	NV	-20	-60000.00	-11.583012	20	PASS
11A	Ant1	5180	NV	-10	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	NV	0	-60000.00	-11.583012	20	PASS
11A	Ant1	5180	NV	10	-60000.00	-11.583012	20	PASS
11A	Ant1	5180	NV	20	-60000.00	-11.583012	20	PASS
11A	Ant1	5180	NV	30	-60000.00	-11.583012	20	PASS
11A	Ant1	5180	NV	40	-60000.00	-11.583012	20	PASS
11A	Ant1	5180	NV	50	-40000.00	-7.722008	20	PASS
11A	Ant1	5200	NV	-30	-60000.00	-11.538462	20	PASS
11A	Ant1	5200	NV	-20	-60000.00	-11.538462	20	PASS
11A	Ant1	5200	NV	-10	-60000.00	-11.538462	20	PASS
11A	Ant1	5200	NV	0	-60000.00	-11.538462	20	PASS
11A	Ant1	5200	NV	10	-60000.00	-11.538462	20	PASS
11A	Ant1	5200	NV	20	-60000.00	-11.538462	20	PASS
11A	Ant1	5200	NV	30	-60000.00	-11.538462	20	PASS
11A	Ant1	5200	NV	40	-60000.00	-11.538462	20	PASS
11A	Ant1	5200	NV	50	-60000.00	-11.538462	20	PASS
11A	Ant1	5240	NV	-30	-60000.00	-11.450382	20	PASS
11A	Ant1	5240	NV	-20	-60000.00	-11.450382	20	PASS
11A	Ant1	5240	NV	-10	-60000.00	-11.450382	20	PASS
11A	Ant1	5240	NV	0	-60000.00	-11.450382	20	PASS
11A	Ant1	5240	NV	10	-60000.00	-11.450382	20	PASS
11A	Ant1	5240	NV	20	-60000.00	-11.450382	20	PASS
11A	Ant1	5240	NV	30	-60000.00	-11.450382	20	PASS
11A	Ant1	5240	NV	40	-60000.00	-11.450382	20	PASS
11A	Ant1	5240	NV	50	-60000.00	-11.450382	20	PASS
11N20SISO	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
11N20SISO	Ant1	5180	NV	-20	-40000.00	-7.722008	20	PASS
11N20SISO	Ant1	5180	NV	-10	-20000.00	-3.861004	20	PASS
11N20SISO	Ant1	5180	NV	0	-60000.00	-11.583012	20	PASS
11N20SISO	Ant1	5180	NV	10	-60000.00	-11.583012	20	PASS
11N20SISO	Ant1	5180	NV	20	-20000.00	-3.861004	20	PASS
11N20SISO	Ant1	5180	NV	30	-60000.00	-11.583012	20	PASS
11N20SISO	Ant1	5180	NV	40	-40000.00	-7.722008	20	PASS
11N20SISO	Ant1	5180	NV	50	-60000.00	-11.583012	20	PASS
11N20SISO	Ant1	5200	NV	-30	-80000.00	-15.384615	20	PASS
11N20SISO	Ant1	5200	NV	-20	-60000.00	-11.538462	20	PASS



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11N20SISO	Ant1	5200	NV	-10	-60000.00	-11.538462	20	PASS
11N20SISO	Ant1	5200	NV	0	-40000.00	-7.692308	20	PASS
11N20SISO	Ant1	5200	NV	10	-60000.00	-11.538462	20	PASS
11N20SISO	Ant1	5200	NV	20	-40000.00	-7.692308	20	PASS
11N20SISO	Ant1	5200	NV	30	-40000.00	-7.692308	20	PASS
11N20SISO	Ant1	5200	NV	40	-40000.00	-7.692308	20	PASS
11N20SISO	Ant1	5200	NV	50	-40000.00	-7.692308	20	PASS
11N20SISO	Ant1	5240	NV	-30	-20000.00	-3.816794	20	PASS
11N20SISO	Ant1	5240	NV	-20	-20000.00	-3.816794	20	PASS
11N20SISO	Ant1	5240	NV	-10	-20000.00	-3.816794	20	PASS
11N20SISO	Ant1	5240	NV	0	-20000.00	-3.816794	20	PASS
11N20SISO	Ant1	5240	NV	10	0.00	0.000000	20	PASS
11N20SISO	Ant1	5240	NV	20	-20000.00	-3.816794	20	PASS
11N20SISO	Ant1	5240	NV	30	-20000.00	-3.816794	20	PASS
11N20SISO	Ant1	5240	NV	40	0.00	0.000000	20	PASS
11N20SISO	Ant1	5240	NV	50	0.00	0.000000	20	PASS
11N40SISO	Ant1	5190	NV	-30	0.00	0.000000	20	PASS
11N40SISO	Ant1	5190	NV	-20	0.00	0.000000	20	PASS
11N40SISO	Ant1	5190	NV	-10	0.00	0.000000	20	PASS
11N40SISO	Ant1	5190	NV	0	-40000.00	-7.707129	20	PASS
11N40SISO	Ant1	5190	NV	10	0.00	0.000000	20	PASS
11N40SISO	Ant1	5190	NV	20	0.00	0.000000	20	PASS
11N40SISO	Ant1	5190	NV	30	-40000.00	-7.707129	20	PASS
11N40SISO	Ant1	5190	NV	40	0.00	0.000000	20	PASS
11N40SISO	Ant1	5190	NV	50	-40000.00	-7.707129	20	PASS
11N40SISO	Ant1	5230	NV	-30	0.00	0.000000	20	PASS
11N40SISO	Ant1	5230	NV	-20	0.00	0.000000	20	PASS
11N40SISO	Ant1	5230	NV	-10	0.00	0.000000	20	PASS
11N40SISO	Ant1	5230	NV	0	-40000.00	-7.648184	20	PASS
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11N40SISO	Ant1	5230	NV	40	0.00	0.000000	20	PASS
11N40SISO	Ant1	5230	NV	50	-40000.00	-7.648184	20	PASS
11AC20SISO	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
11AC20SISO	Ant1	5180	NV	-20	0.00	0.000000	20	PASS
11AC20SISO	Ant1	5180	NV	-10	-40000.00	-7.722008	20	PASS
11AC20SISO	Ant1	5180	NV	0	0.00	0.000000	20	PASS
11AC20SISO	Ant1	5180	NV	10	-20000.00	-3.861004	20	PASS
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11AC20SISO	Ant1	5180	NV	40	-20000.00	-3.861004	20	PASS
11AC20SISO	Ant1	5180	NV	50	-40000.00	-7.722008	20	PASS



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11AC20SISO	Ant1	5200	NV	-30	-20000.00	-3.846154	20	PASS
11AC20SISO	Ant1	5200	NV	-20	0.00	0.000000	20	PASS
11AC20SISO	Ant1	5200	NV	-10	-20000.00	-3.846154	20	PASS
11AC20SISO	Ant1	5200	NV	0	-20000.00	-3.846154	20	PASS
11AC20SISO	Ant1	5200	NV	10	-20000.00	-3.846154	20	PASS
11AC20SISO	Ant1	5200	NV	20	-20000.00	-3.846154	20	PASS
11AC20SISO	Ant1	5200	NV	30	-20000.00	-3.846154	20	PASS
11AC20SISO	Ant1	5200	NV	40	-20000.00	-3.846154	20	PASS
11AC20SISO	Ant1	5200	NV	50	0.00	0.000000	20	PASS
11AC20SISO	Ant1	5240	NV	-30	-20000.00	-3.816794	20	PASS
11AC20SISO	Ant1	5240	NV	-20	-20000.00	-3.816794	20	PASS
11AC20SISO	Ant1	5240	NV	-10	0.00	0.000000	20	PASS
11AC20SISO	Ant1	5240	NV	0	-20000.00	-3.816794	20	PASS
11AC20SISO	Ant1	5240	NV	10	-20000.00	-3.816794	20	PASS
11AC20SISO	Ant1	5240	NV	20	0.00	0.000000	20	PASS
11AC20SISO	Ant1	5240	NV	30	0.00	0.000000	20	PASS
11AC20SISO	Ant1	5240	NV	40	-20000.00	-3.816794	20	PASS
11AC20SISO	Ant1	5240	NV	50	0.00	0.000000	20	PASS
11AC40SISO	Ant1	5190	NV	-30	0.00	0.000000	20	PASS
11AC40SISO	Ant1	5190	NV	-20	0.00	0.000000	20	PASS
11AC40SISO	Ant1	5190	NV	-10	0.00	0.000000	20	PASS
11AC40SISO	Ant1	5190	NV	0	40000.00	7.707129	20	PASS
11AC40SISO	Ant1	5190	NV	10	0.00	0.000000	20	PASS
11AC40SISO	Ant1	5190	NV	20	0.00	0.000000	20	PASS
11AC40SISO	Ant1	5190	NV	30	-40000.00	-7.707129	20	PASS
11AC40SISO	Ant1	5190	NV	40	0.00	0.000000	20	PASS
11AC40SISO	Ant1	5190	NV	50	0.00	0.000000	20	PASS
11AC40SISO	Ant1	5230	NV	-30	0.00	0.000000	20	PASS
11AC40SISO	Ant1	5230	NV	-20	-40000.00	-7.648184	20	PASS
11AC40SISO	Ant1	5230	NV	-10	0.00	0.000000	20	PASS
11AC40SISO	Ant1	5230	NV	0	-40000.00	-7.648184	20	PASS
11AC40SISO	Ant1	5230	NV	10	40000.00	7.648184	20	PASS
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11AC40SISO	Ant1	5230	NV	40	-40000.00	-7.648184	20	PASS
11AC40SISO	Ant1	5230	NV	50	-40000.00	-7.648184	20	PASS



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D.6 Duty Cycle

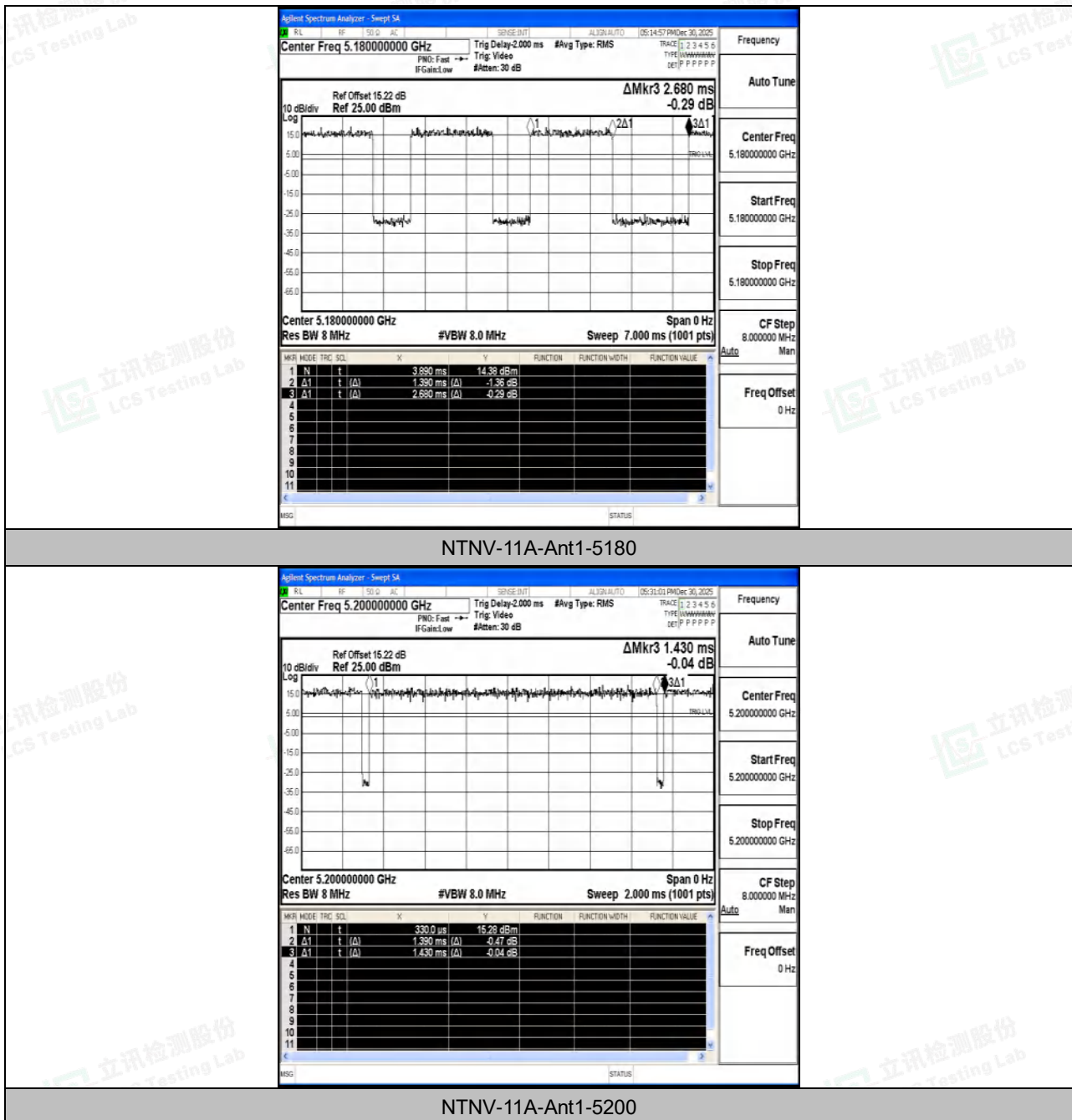
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Dc Factor [%]	1/T
11A	Ant1	5180	1.39	2.68	51.87	2.85	0.72
11A	Ant1	5200	1.39	1.43	97.20	0.12	0.72
11A	Ant1	5240	1.40	1.43	97.90	0.09	0.71
11N20SISO	Ant1	5180	1.30	1.34	97.01	0.13	0.77
11N20SISO	Ant1	5200	1.30	1.35	96.30	0.16	0.77
11N20SISO	Ant1	5240	1.30	1.34	97.01	0.13	0.77
11N40SISO	Ant1	5190	0.65	0.69	94.20	0.26	1.54
11N40SISO	Ant1	5230	0.65	0.69	94.20	0.26	1.54
11AC20SISO	Ant1	5180	1.31	1.36	96.32	0.16	0.76
11AC20SISO	Ant1	5200	1.31	1.36	96.32	0.16	0.76
11AC20SISO	Ant1	5240	1.31	1.36	96.32	0.16	0.76
11AC40SISO	Ant1	5190	0.65	0.69	94.20	0.26	1.54
11AC40SISO	Ant1	5230	0.65	0.69	94.20	0.26	1.54





Test Graphs

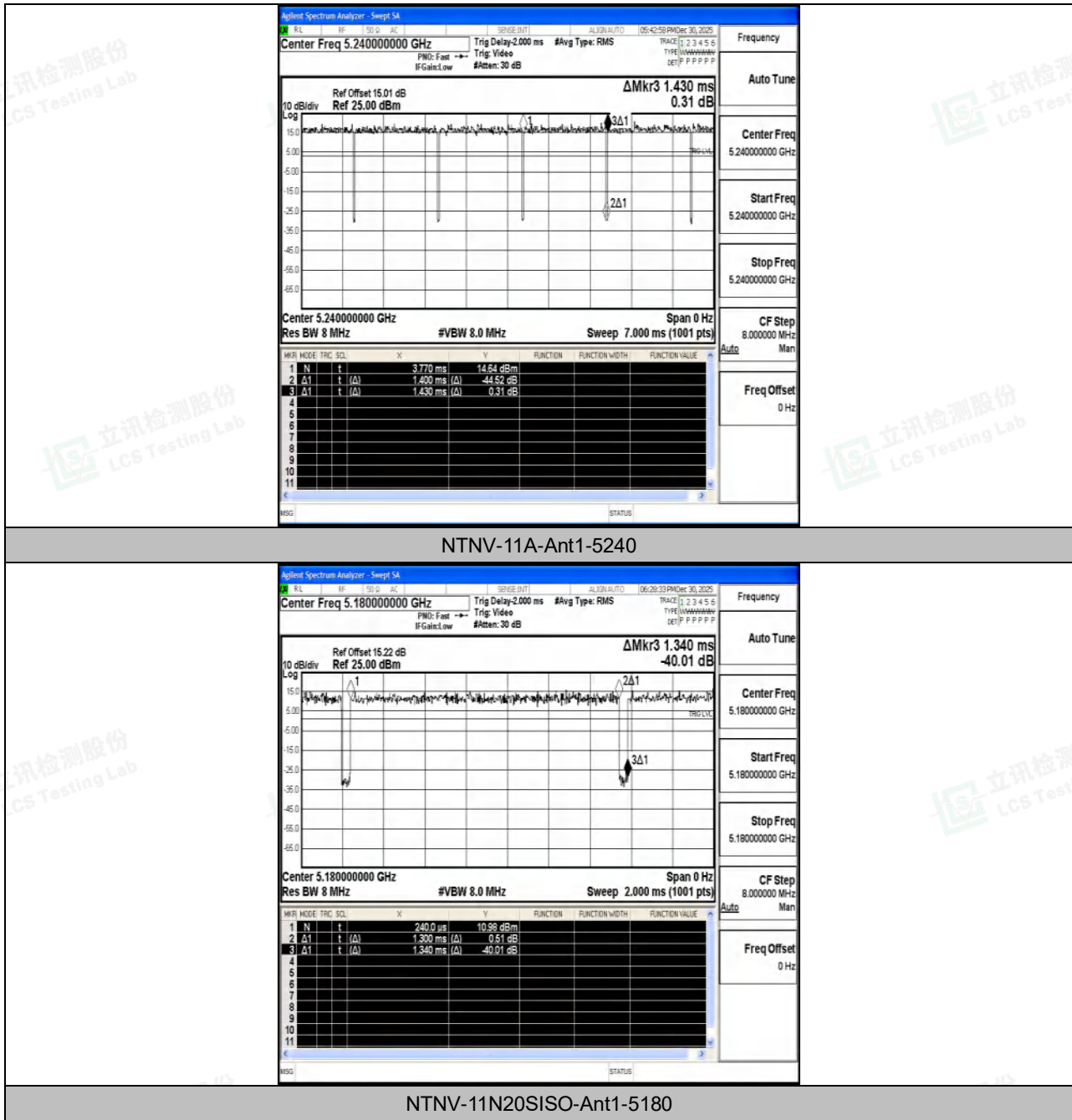


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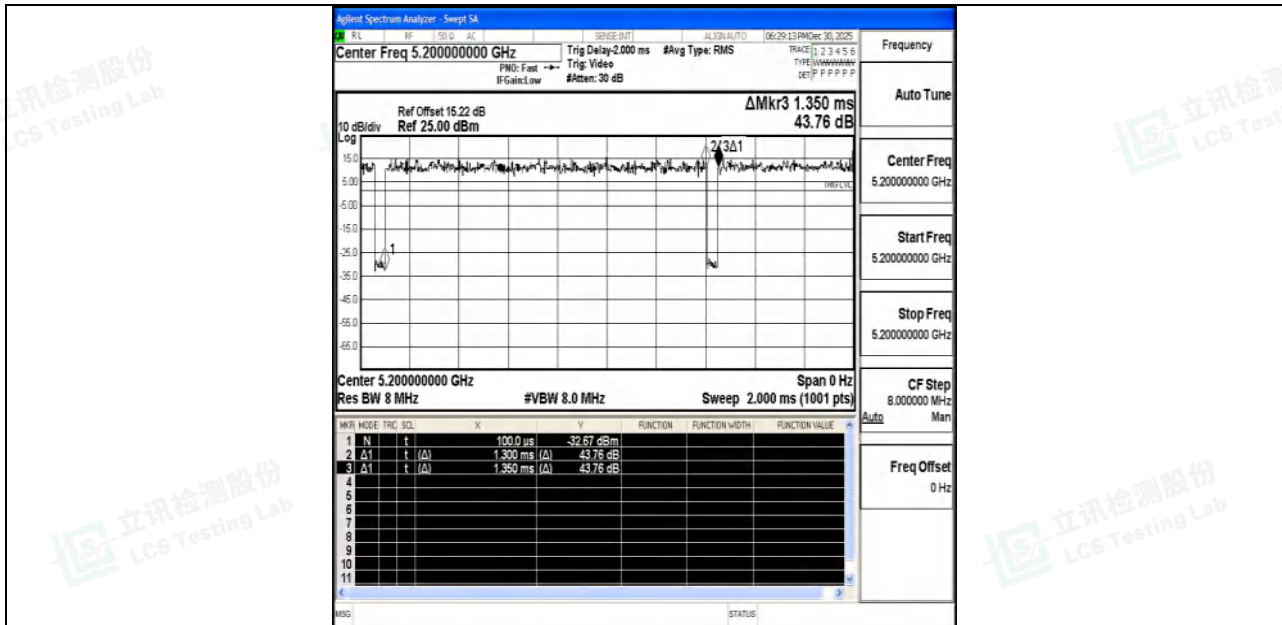


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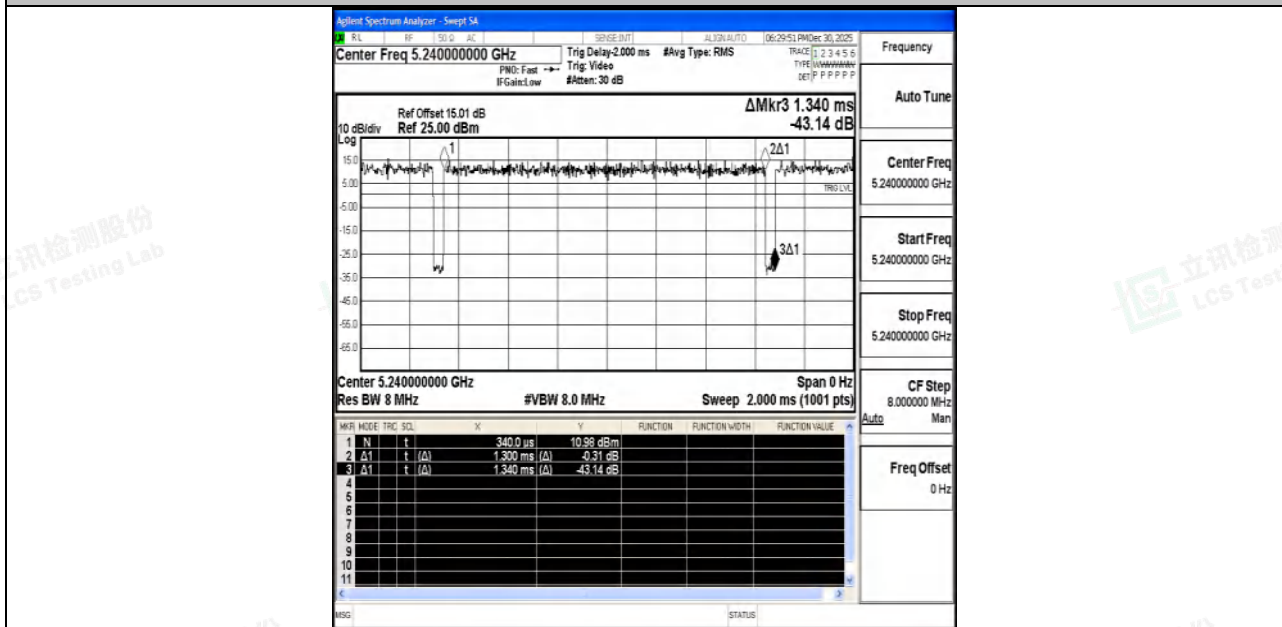
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Scan code to check authenticity

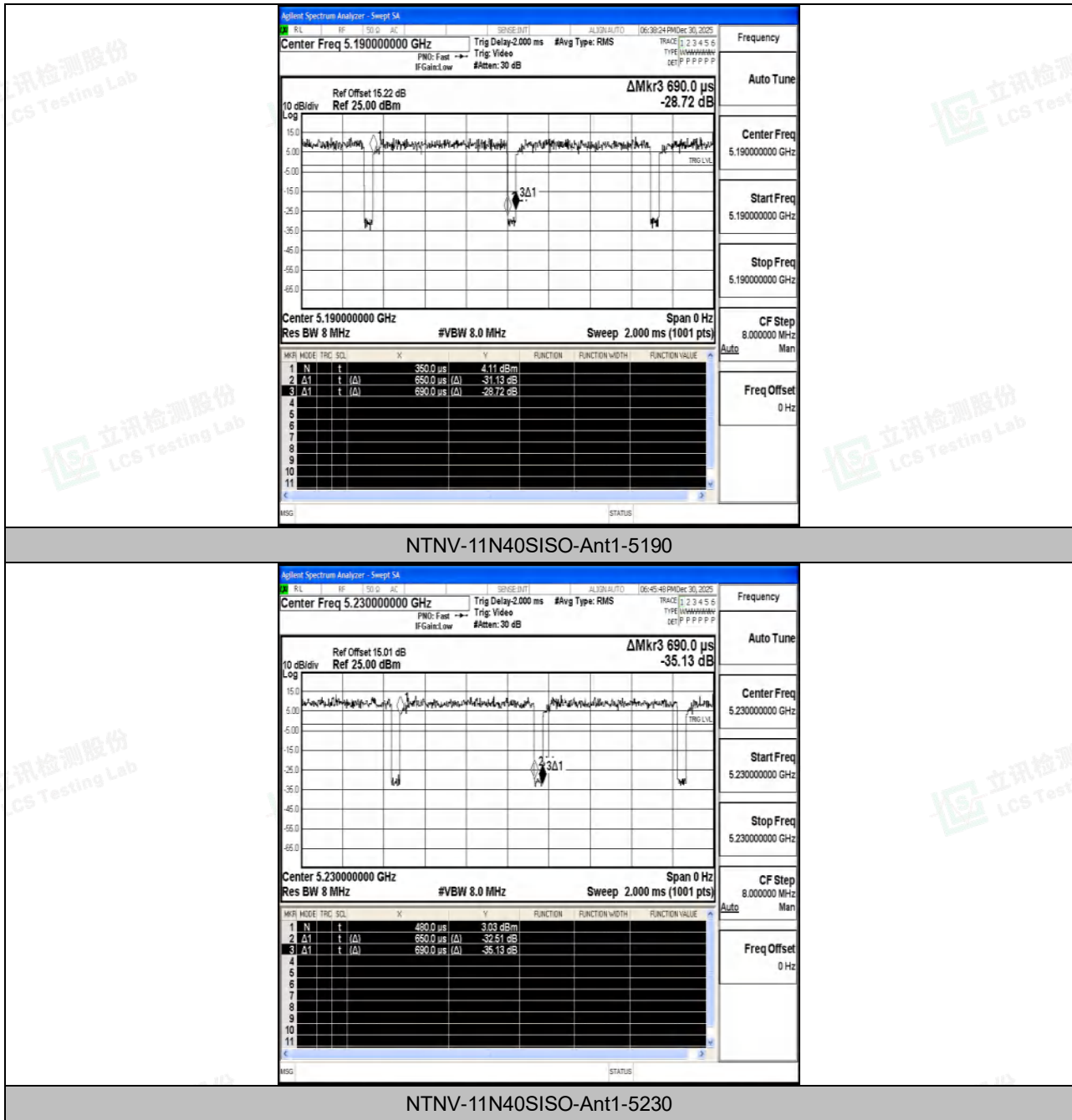


NTNV-11N20SISO-Ant1-5200



NTNV-11N20SISO-Ant1-5240



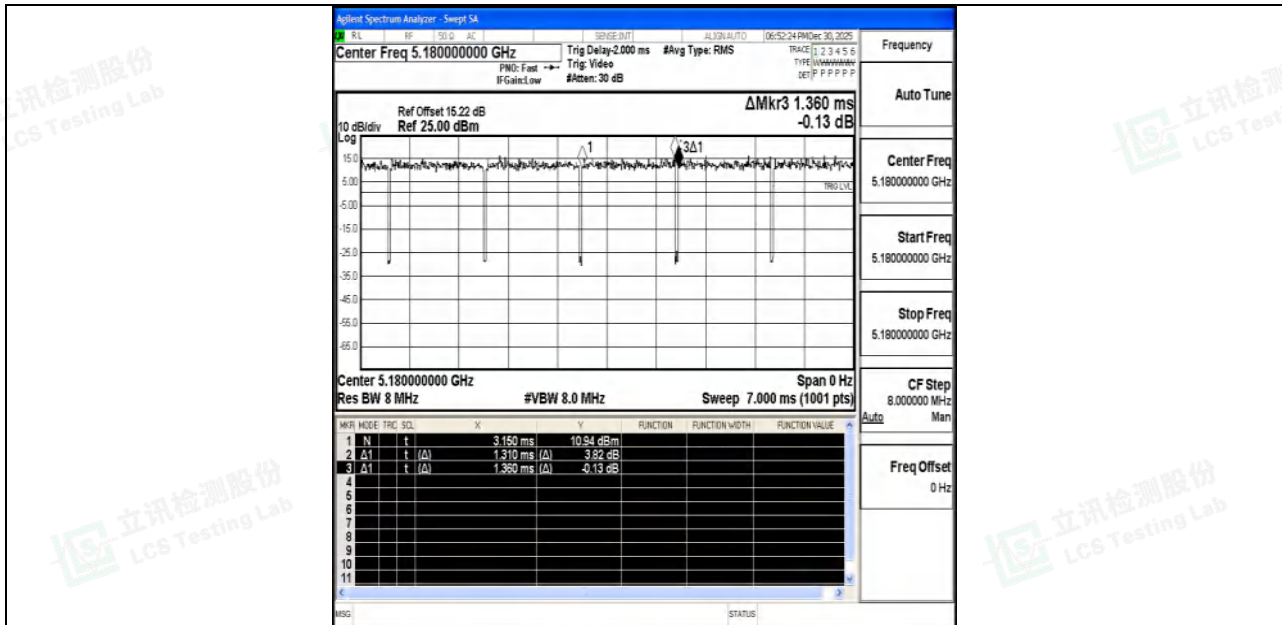


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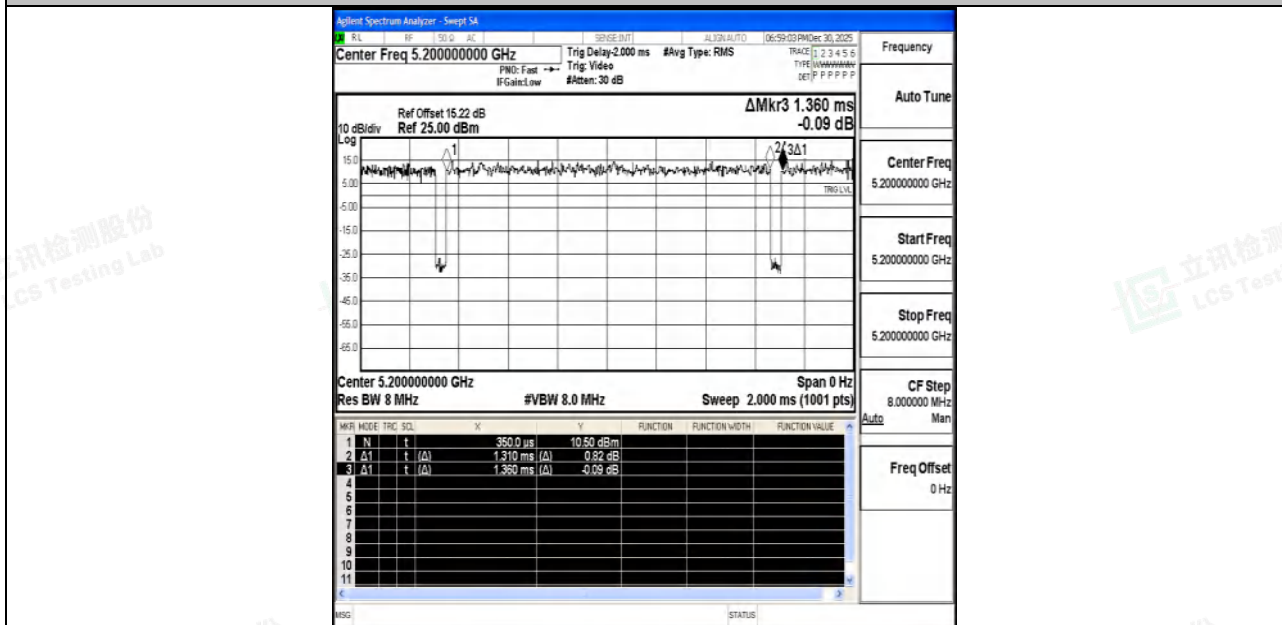
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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NTNV-11AC20SISO-Ant1-5180



NTNV-11AC20SISO-Ant1-5200

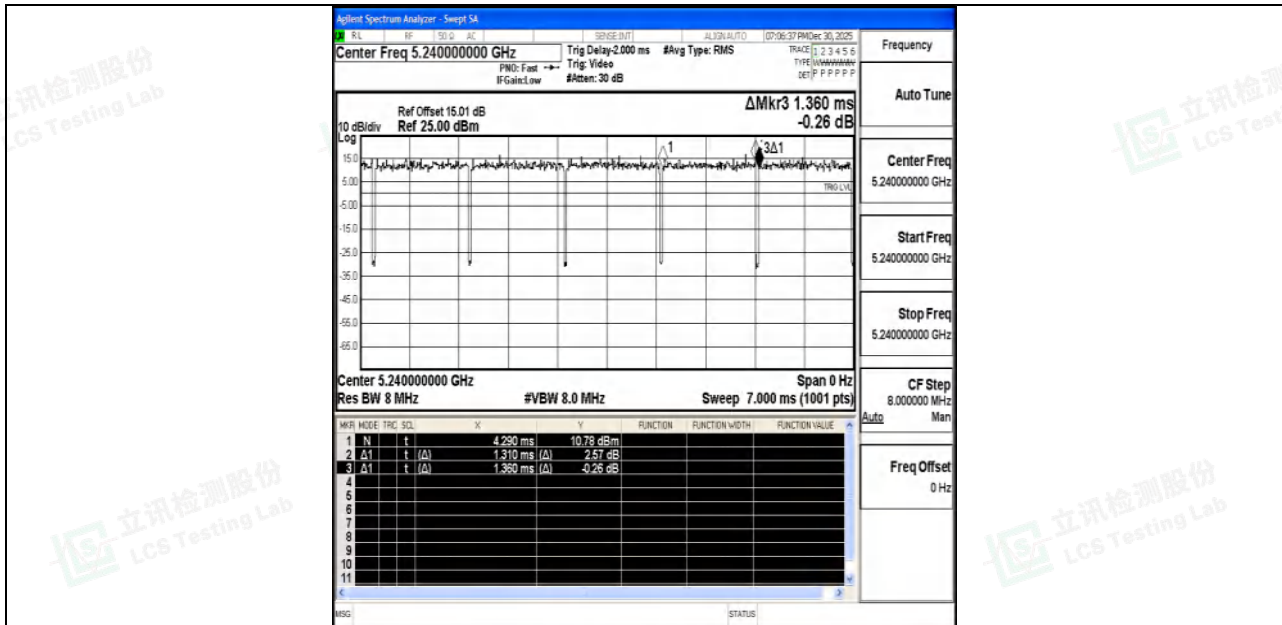


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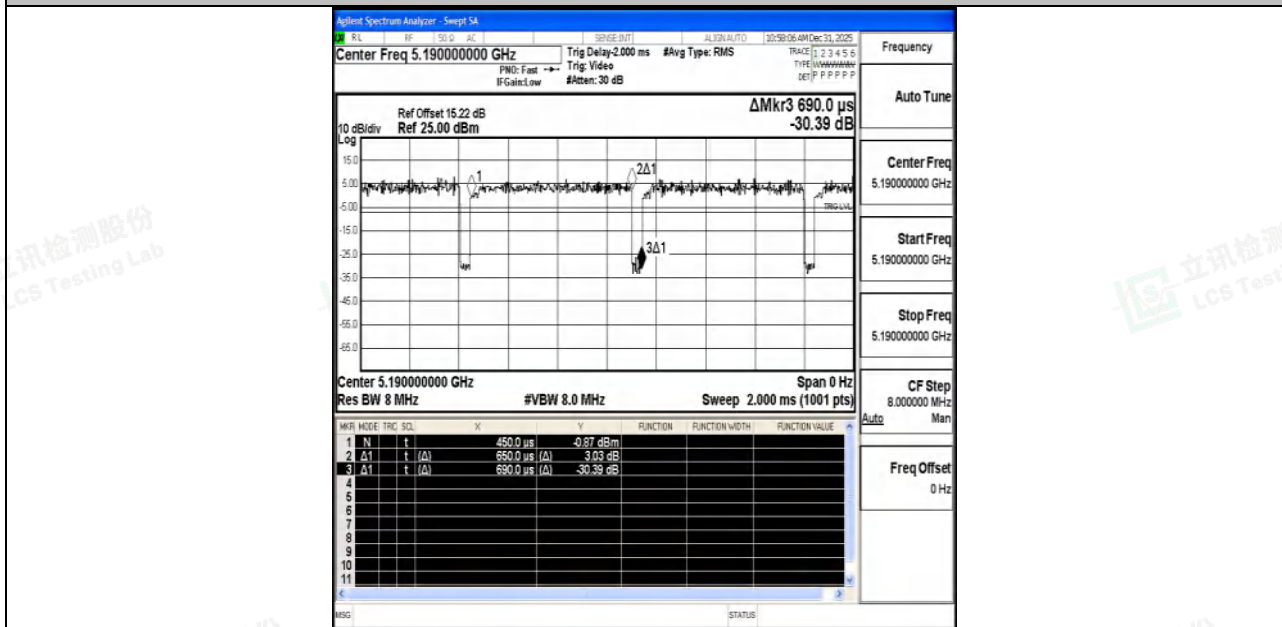
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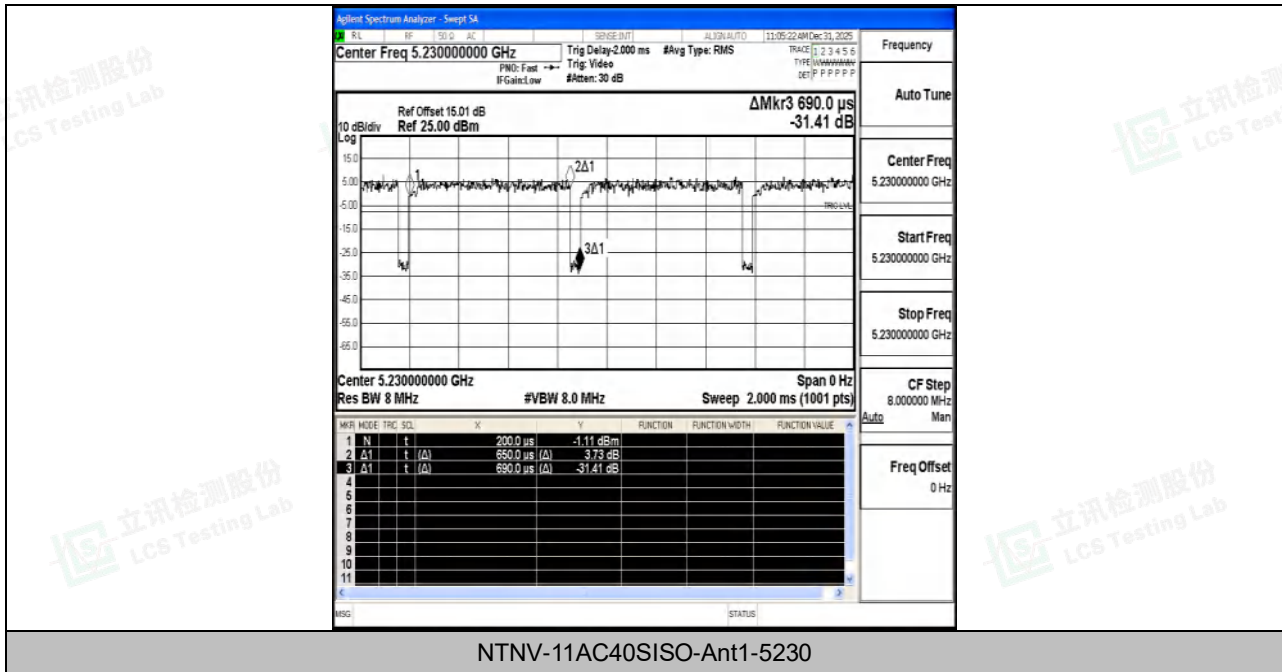


NTNV-11AC20SISO-Ant1-5240



NTNV-11AC40SISO-Ant1-5190





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