



Appendix E

RF Test Data for 5.3GWIFI (Conducted Measurement)

Product Name: IP PHONE
Test Model: CIP291PLUS

Environmental Conditions

Temperature:	23.2°C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun





E.1 Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	24.560	5247.640	5272.200	---	---
11A	Ant1	5280	24.360	5267.880	5292.240	---	---
11A	Ant1	5320	25.800	5306.680	5332.480	---	---
11N20SISO	Ant1	5260	22.320	5248.600	5270.920	---	---
11N20SISO	Ant1	5280	25.840	5267.120	5292.960	---	---
11N20SISO	Ant1	5320	25.800	5307.040	5332.840	---	---
11N40SISO	Ant1	5270	39.600	5250.080	5289.680	---	---
11N40SISO	Ant1	5310	39.680	5290.160	5329.840	---	---
11AC20SISO	Ant1	5260	24.160	5247.720	5271.880	---	---
11AC20SISO	Ant1	5280	24.840	5267.320	5292.160	---	---
11AC20SISO	Ant1	5320	25.320	5306.880	5332.200	---	---
11AC40SISO	Ant1	5270	40.240	5249.920	5290.160	---	---
11AC40SISO	Ant1	5310	40.720	5289.600	5330.320	---	---
11AC80SISO	Ant1	5290	79.840	5250.160	5330.000	---	---



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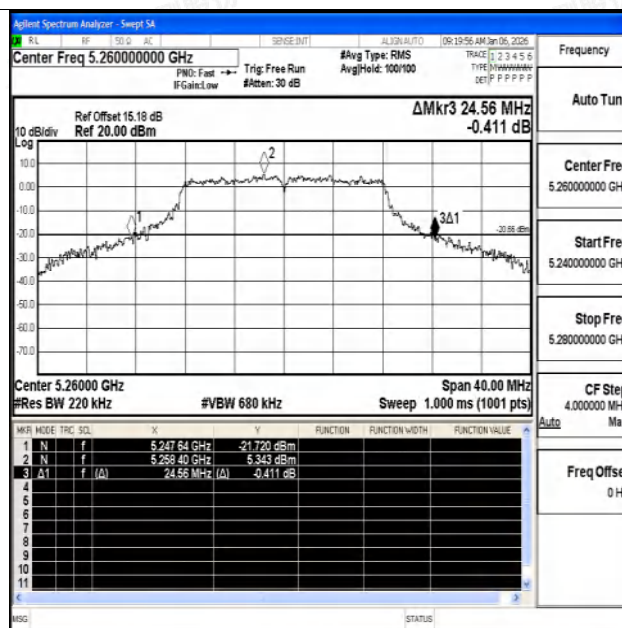
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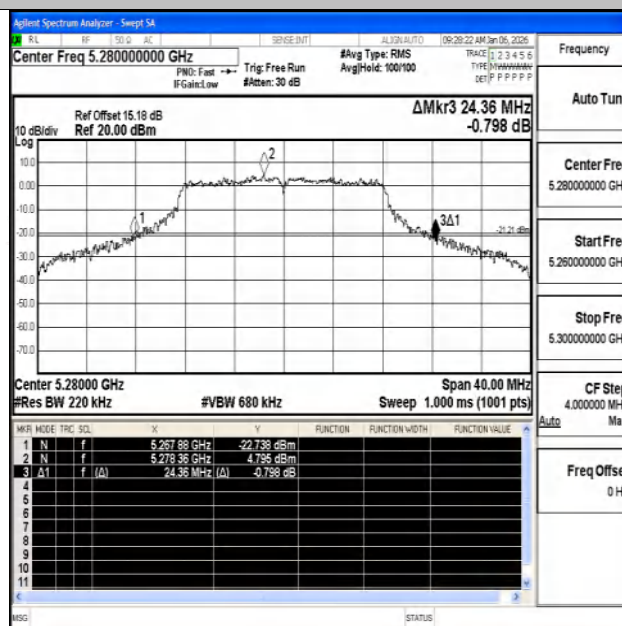
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Test Graphs



11A-Ant1-5260



11A-Ant1-5280

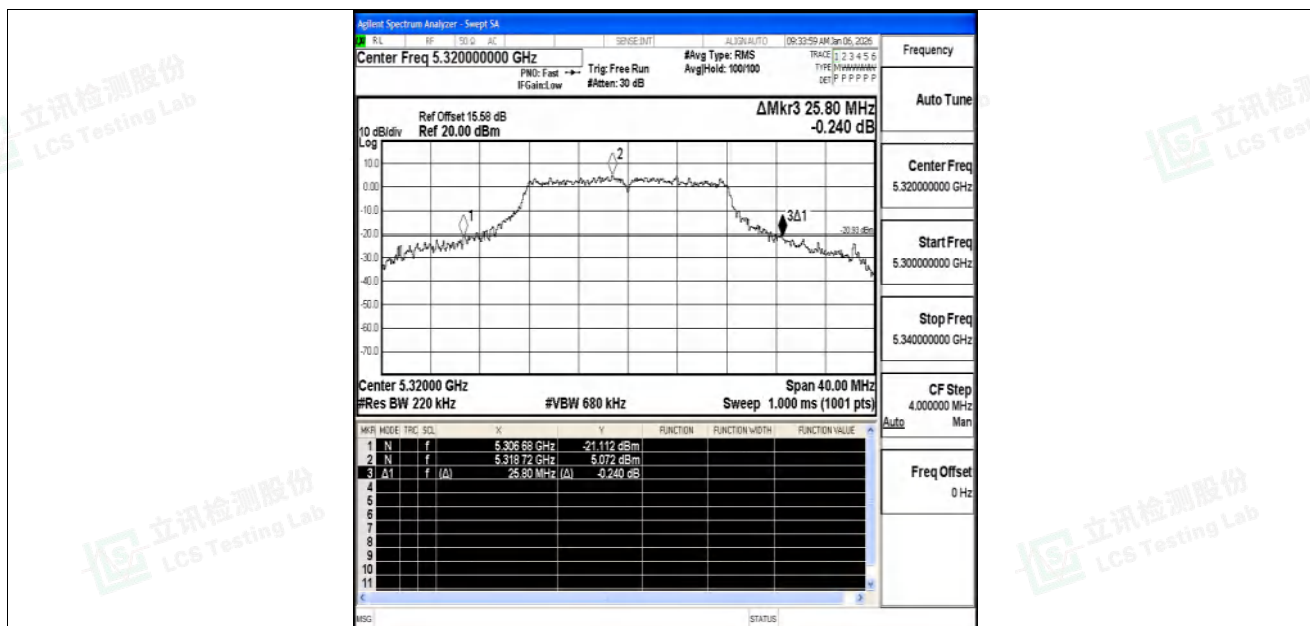


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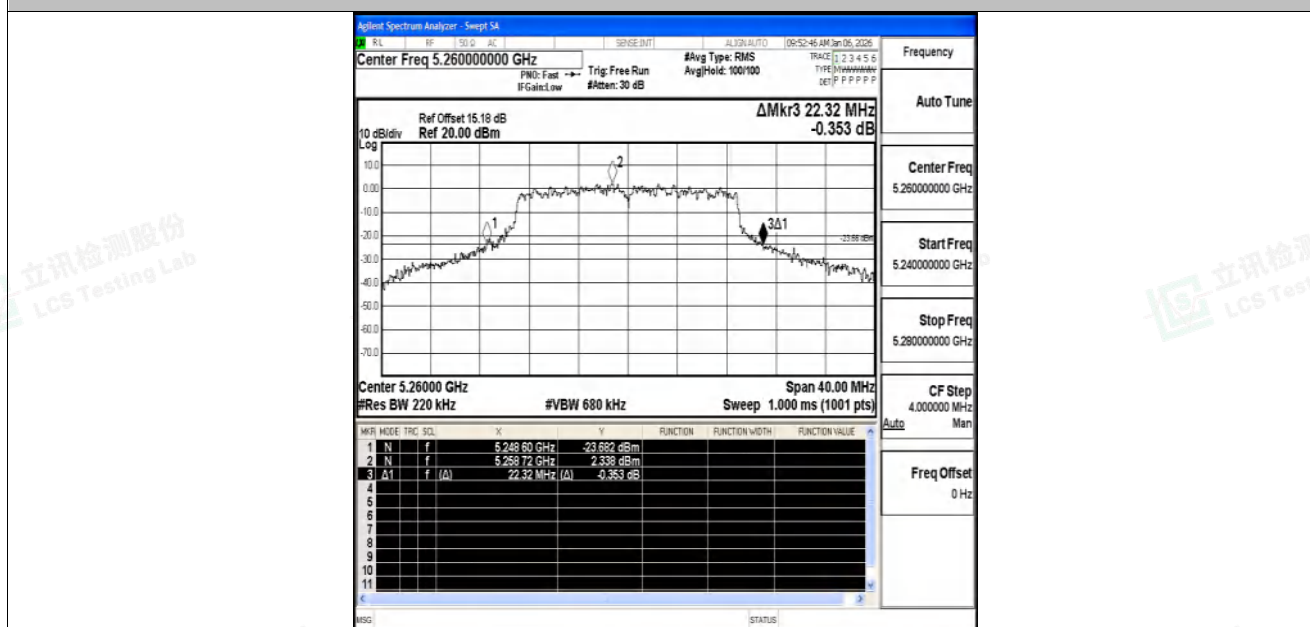
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11A-Ant1-5320



11N20SISO-Ant1-5260

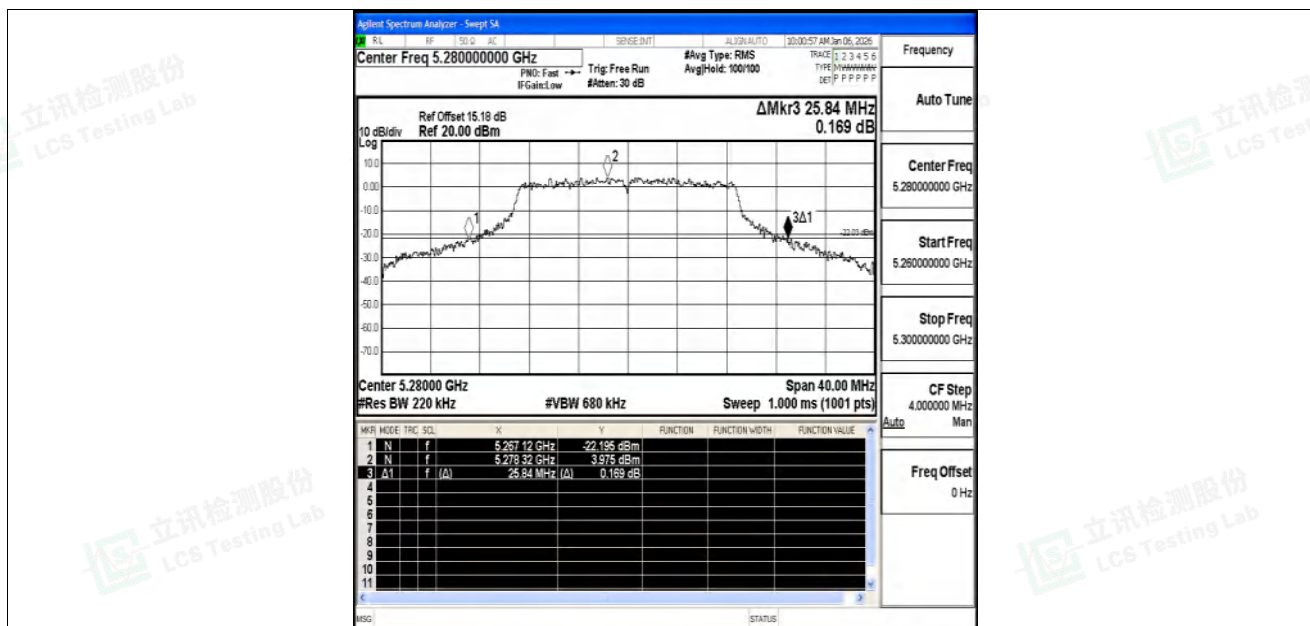


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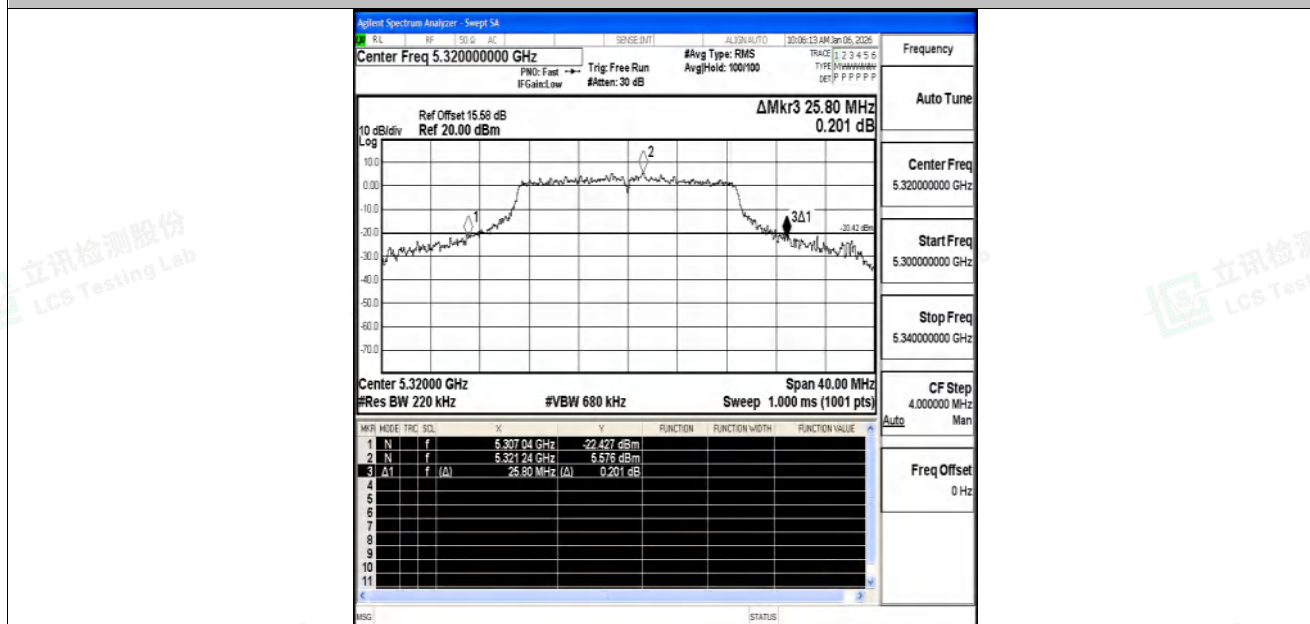
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11N20SISO-Ant1-5280



11N20SISO-Ant1-5320

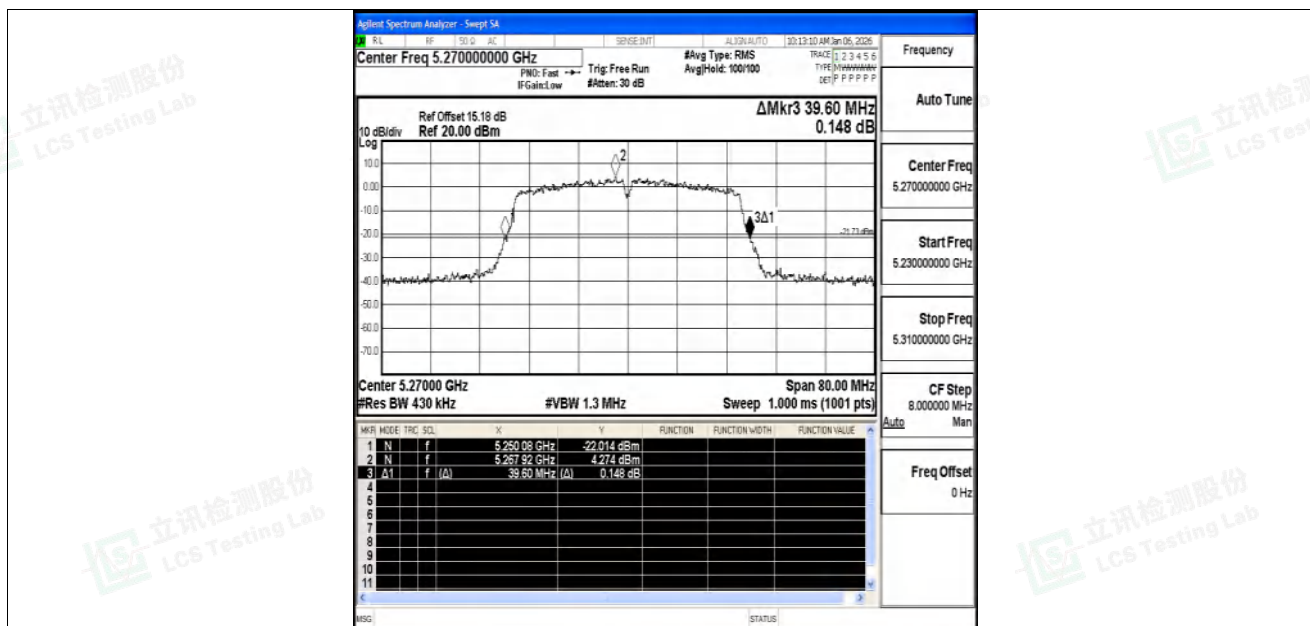


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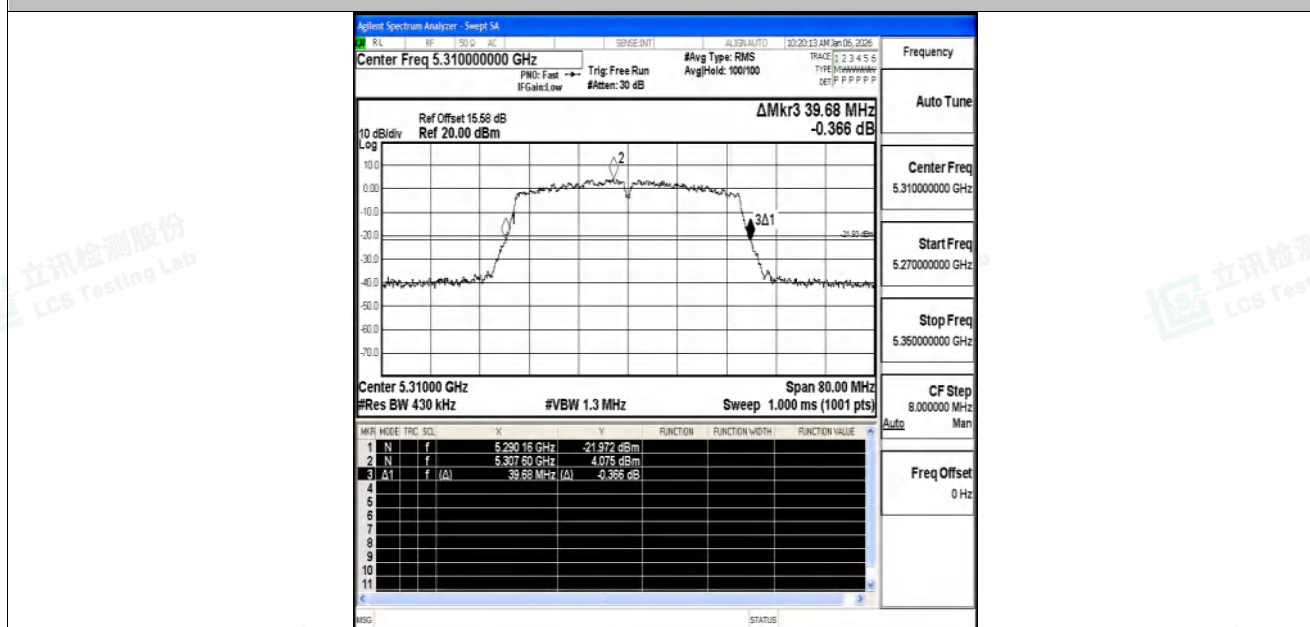
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11N40SISO-Ant1-5270



11N40SISO-Ant1-5310

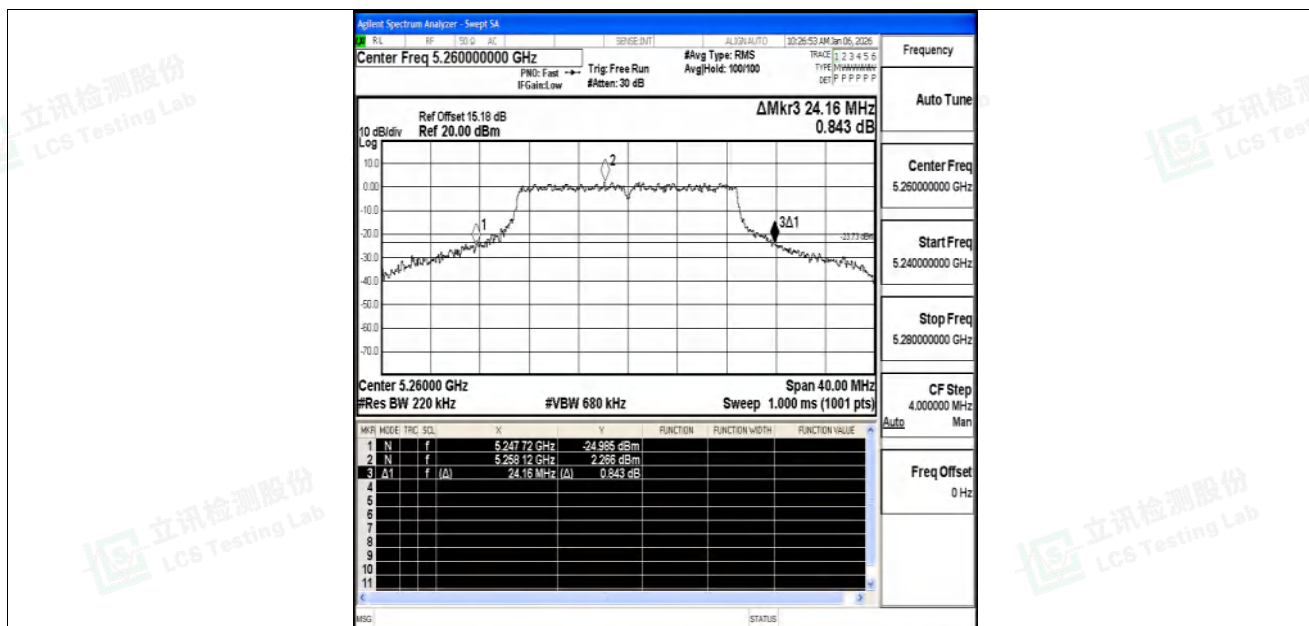


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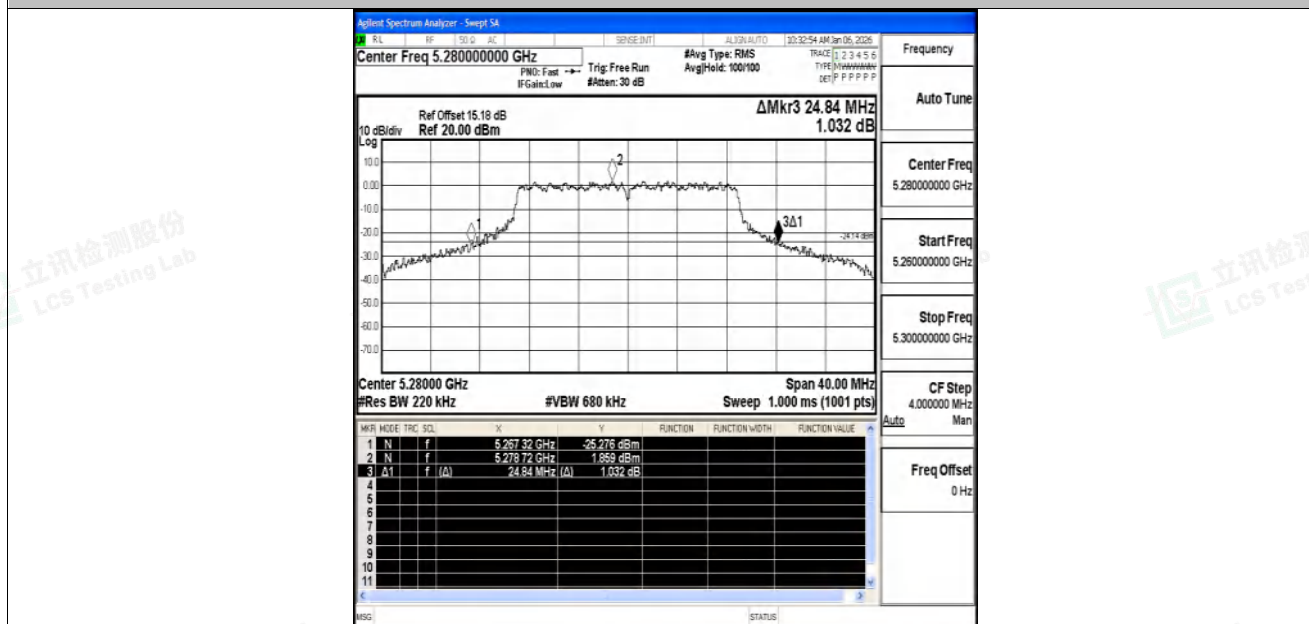
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11AC20SISO-Ant1-5260



11AC20SISO-Ant1-5280

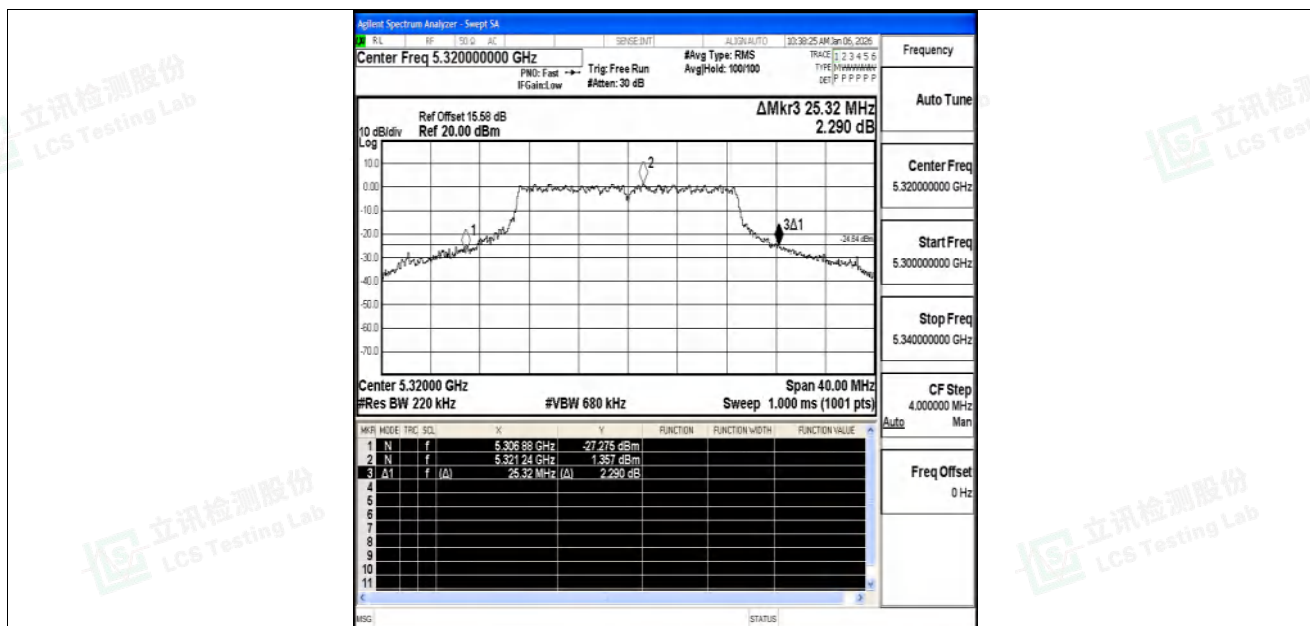


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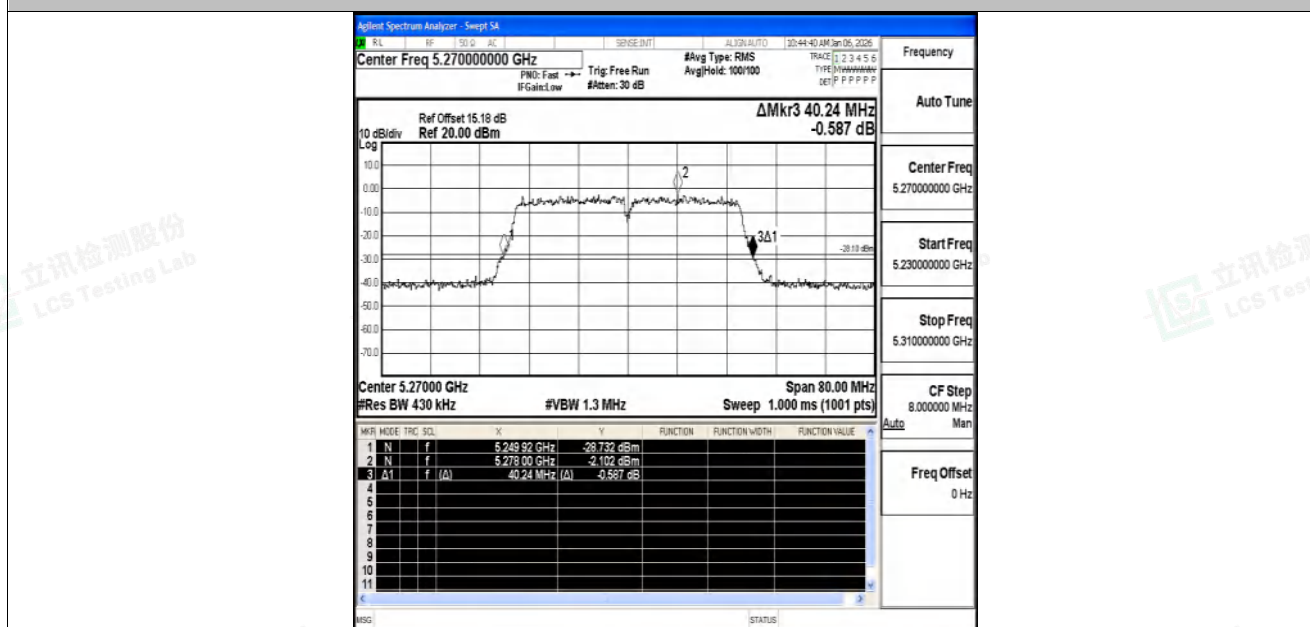
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11AC20SISO-Ant1-5320



11AC40SISO-Ant1-5270

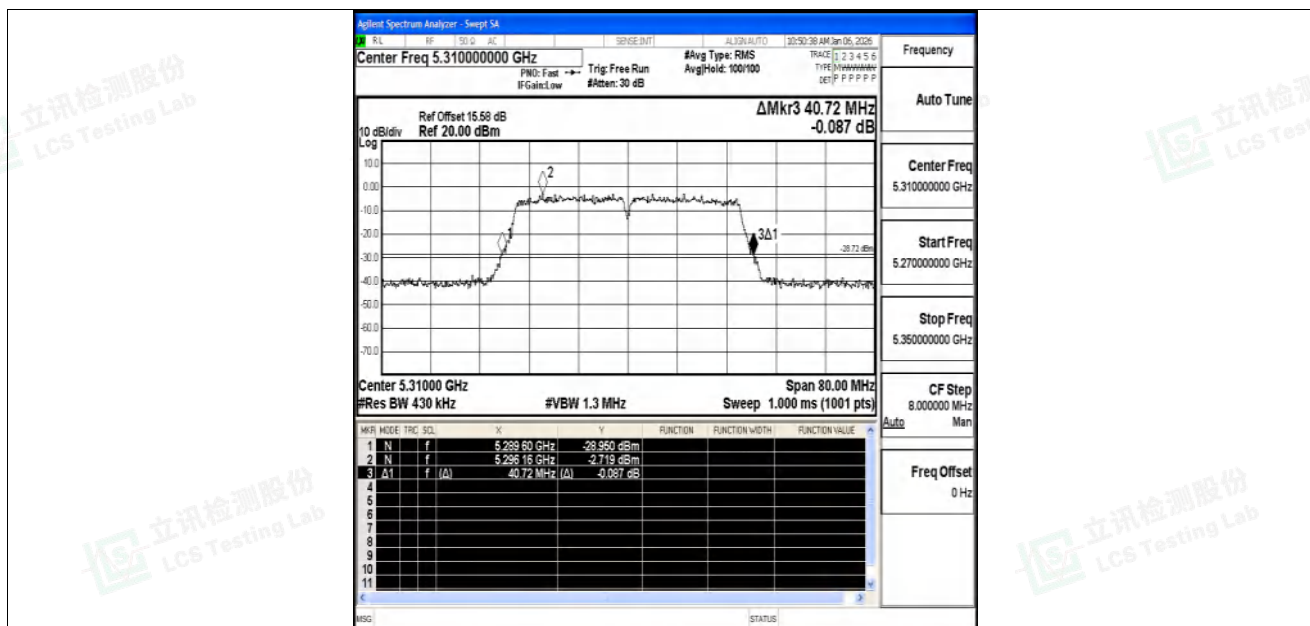


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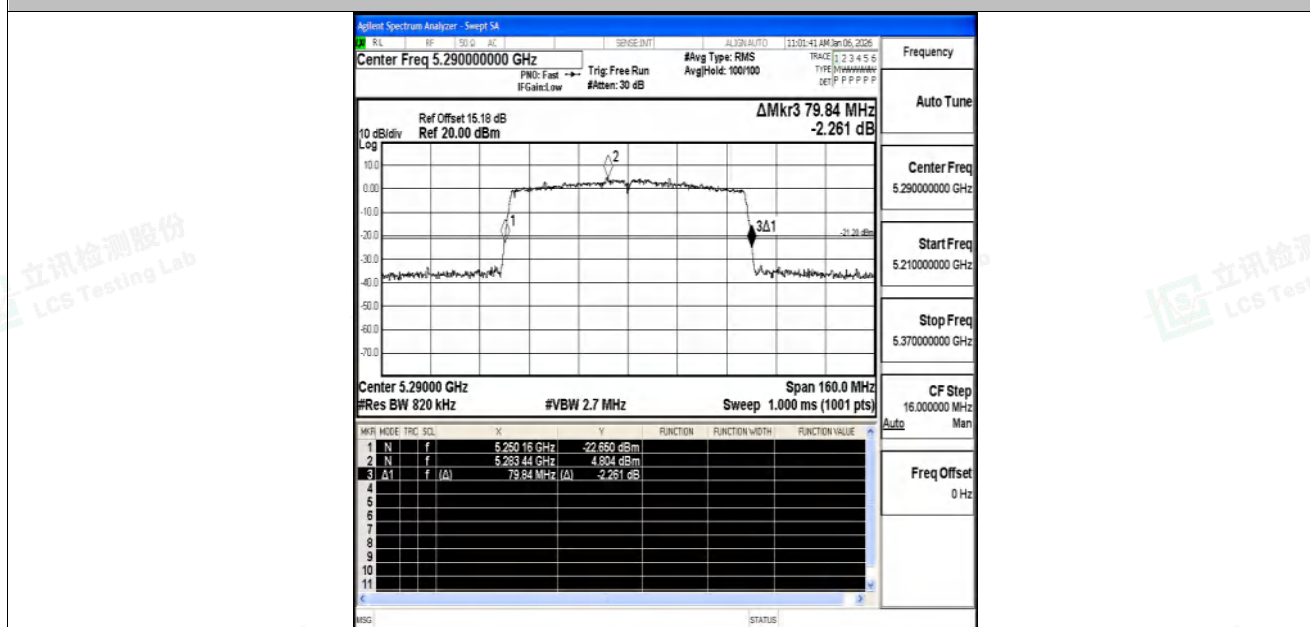
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11AC40SISO-Ant1-5310



11AC80SISO-Ant1-5290



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Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5260	24.480	5247.800	5272.280	---	---
11A	Ant2	5280	24.600	5267.760	5292.360	---	---
11A	Ant2	5320	24.640	5307.720	5332.360	---	---
11N20SISO	Ant2	5260	25.040	5248.200	5273.240	---	---
11N20SISO	Ant2	5280	24.880	5267.560	5292.440	---	---
11N20SISO	Ant2	5320	26.200	5306.600	5332.800	---	---
11N40SISO	Ant2	5270	40.000	5250.080	5290.080	---	---
11N40SISO	Ant2	5310	39.440	5290.240	5329.680	---	---
11AC20SISO	Ant2	5260	24.800	5247.680	5272.480	---	---
11AC20SISO	Ant2	5280	25.920	5266.960	5292.880	---	---
11AC20SISO	Ant2	5320	24.560	5307.240	5331.800	---	---
11AC40SISO	Ant2	5270	39.760	5250.080	5289.840	---	---
11AC40SISO	Ant2	5310	39.760	5290.080	5329.840	---	---
11AC80SISO	Ant2	5290	80.160	5249.840	5330.000	---	---



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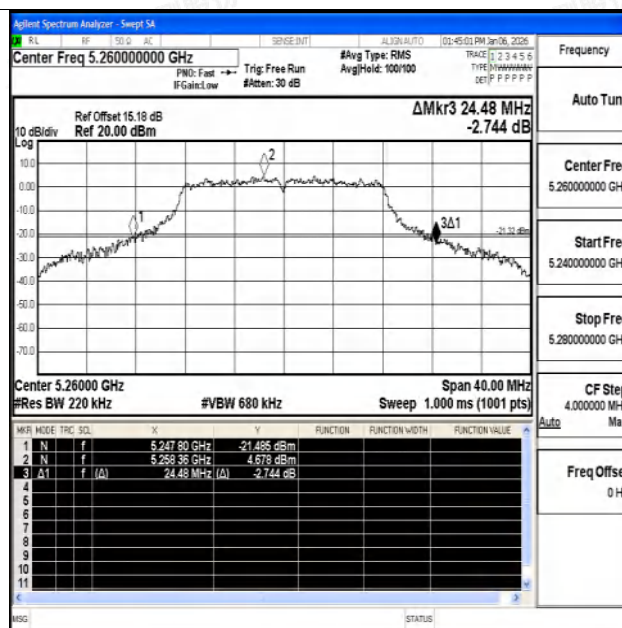
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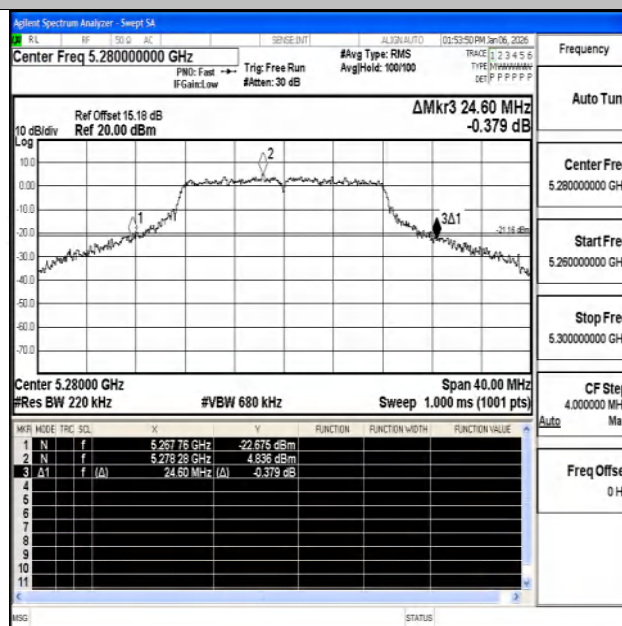
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Test Graphs



11A-Ant2-5260



11A-Ant2-5280

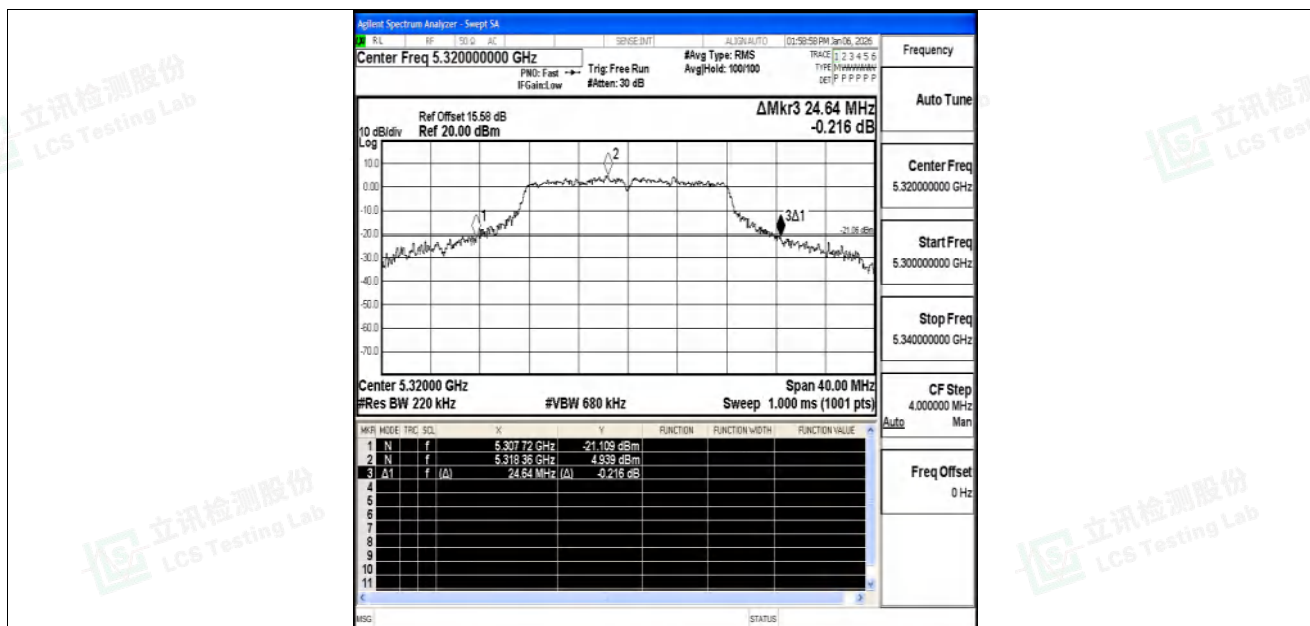


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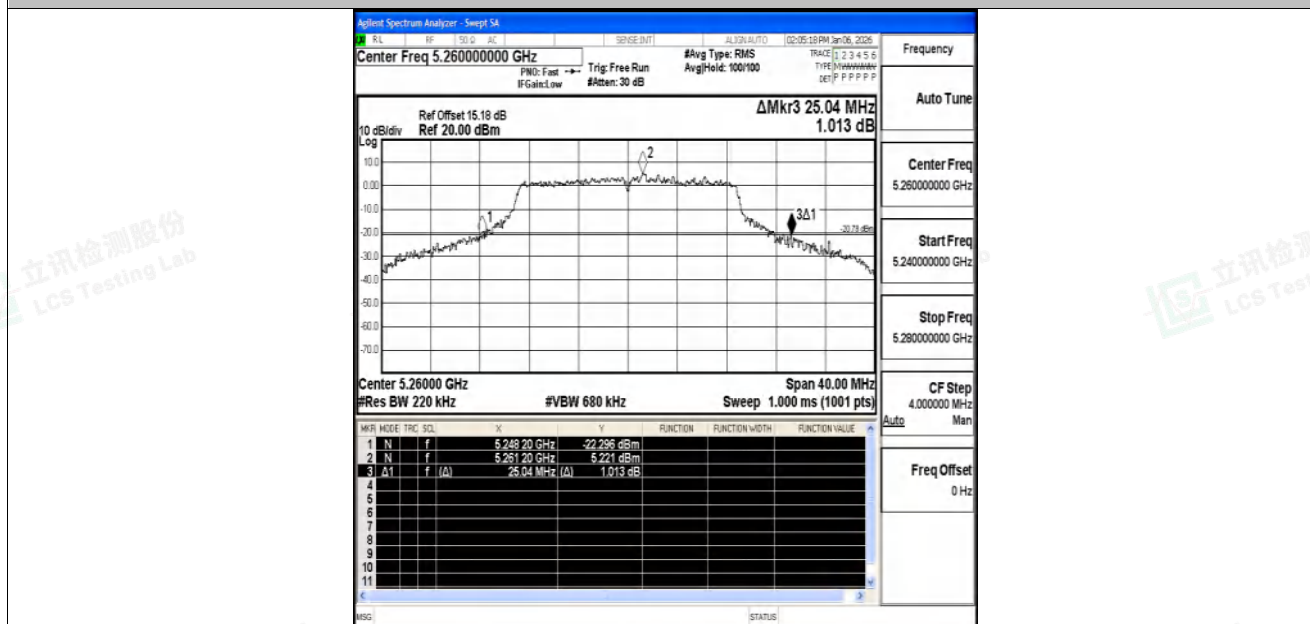
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11A-Ant2-5320



11N20SISO-Ant2-5260

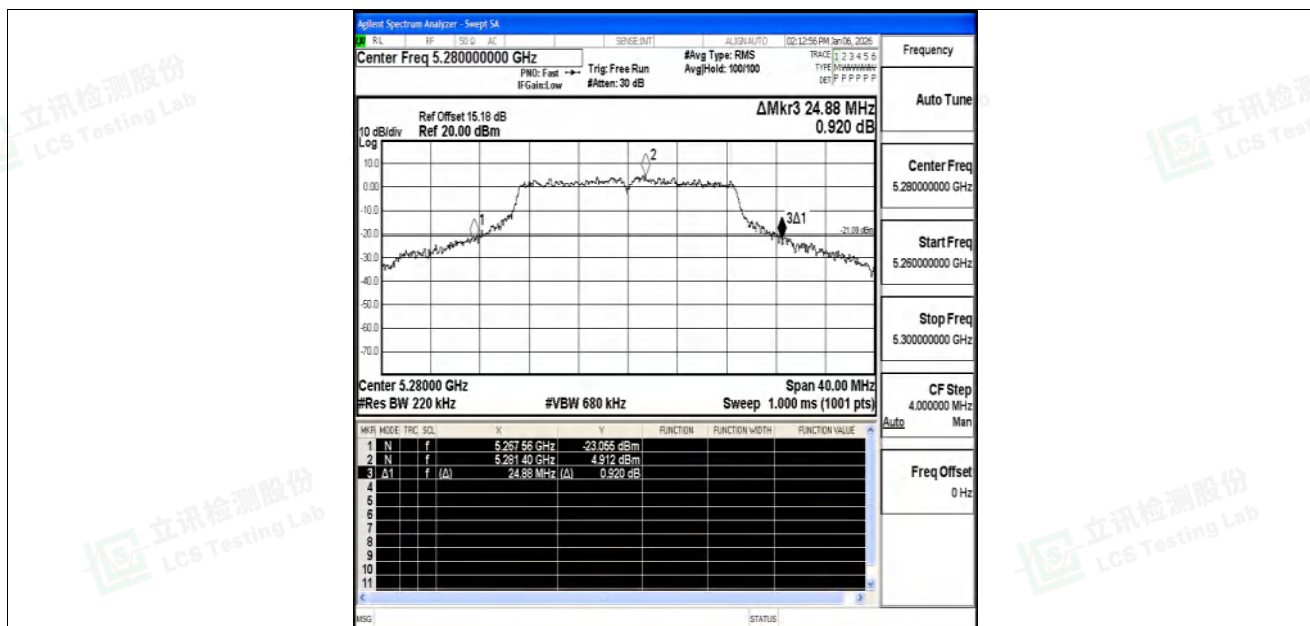


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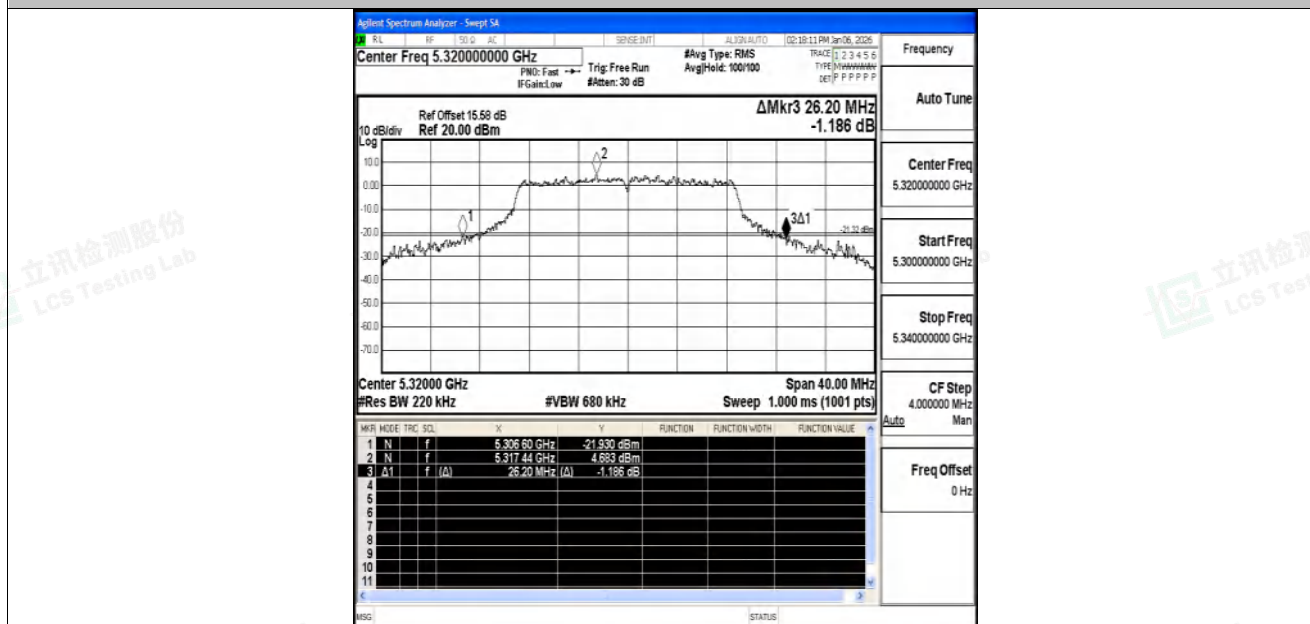
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11N20SISO-Ant2-5280



11N20SISO-Ant2-5320

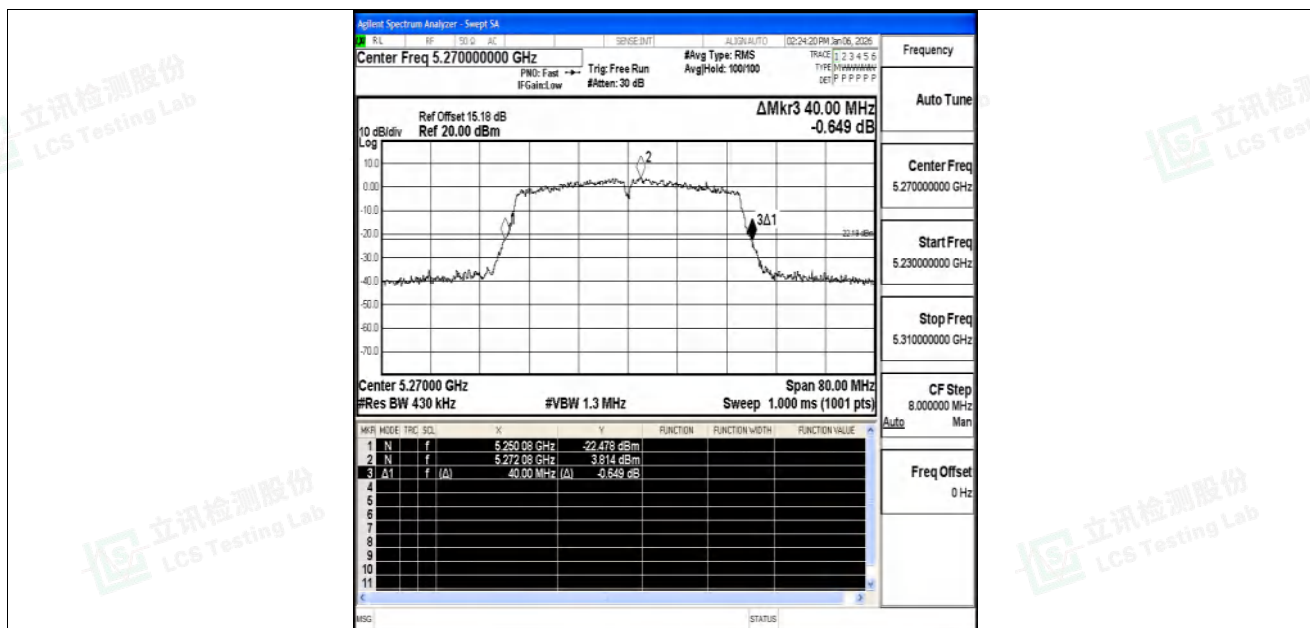


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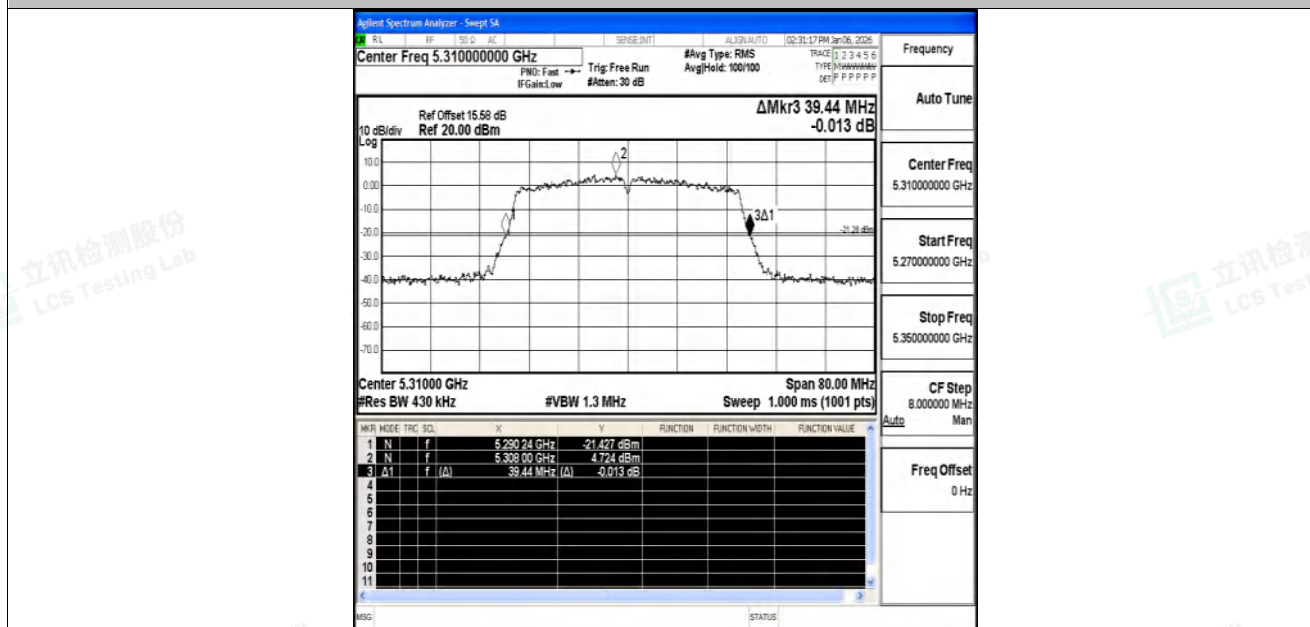
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11N40SISO-Ant2-5270



11N40SISO-Ant2-5310

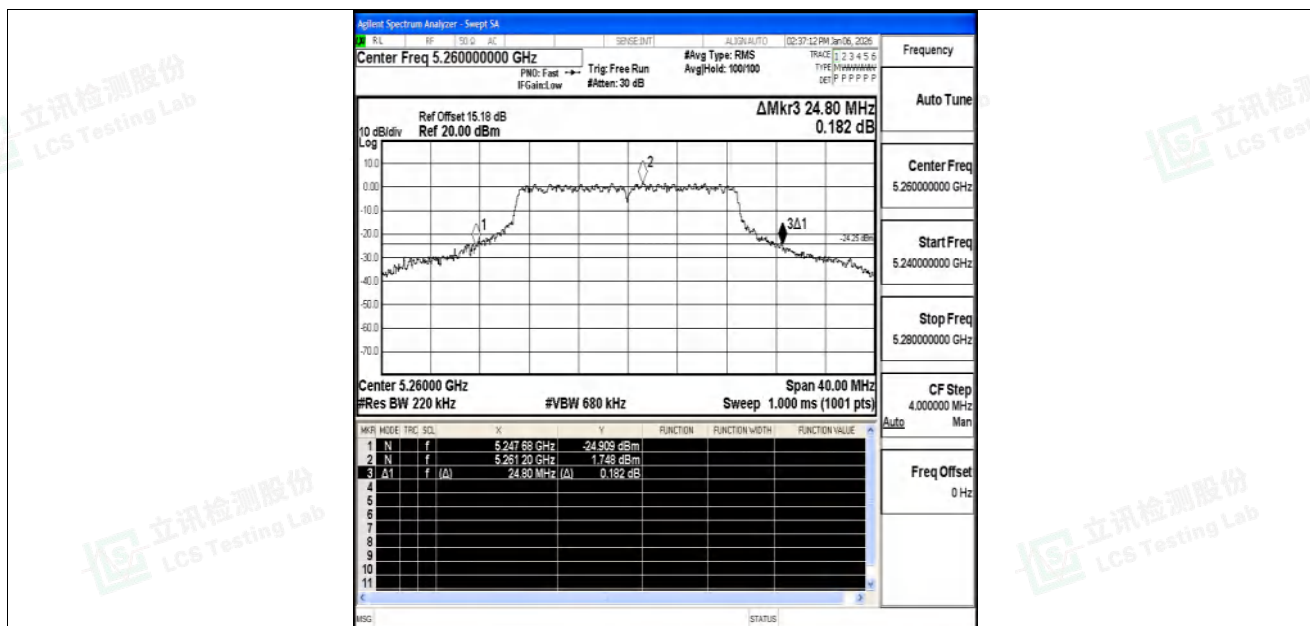


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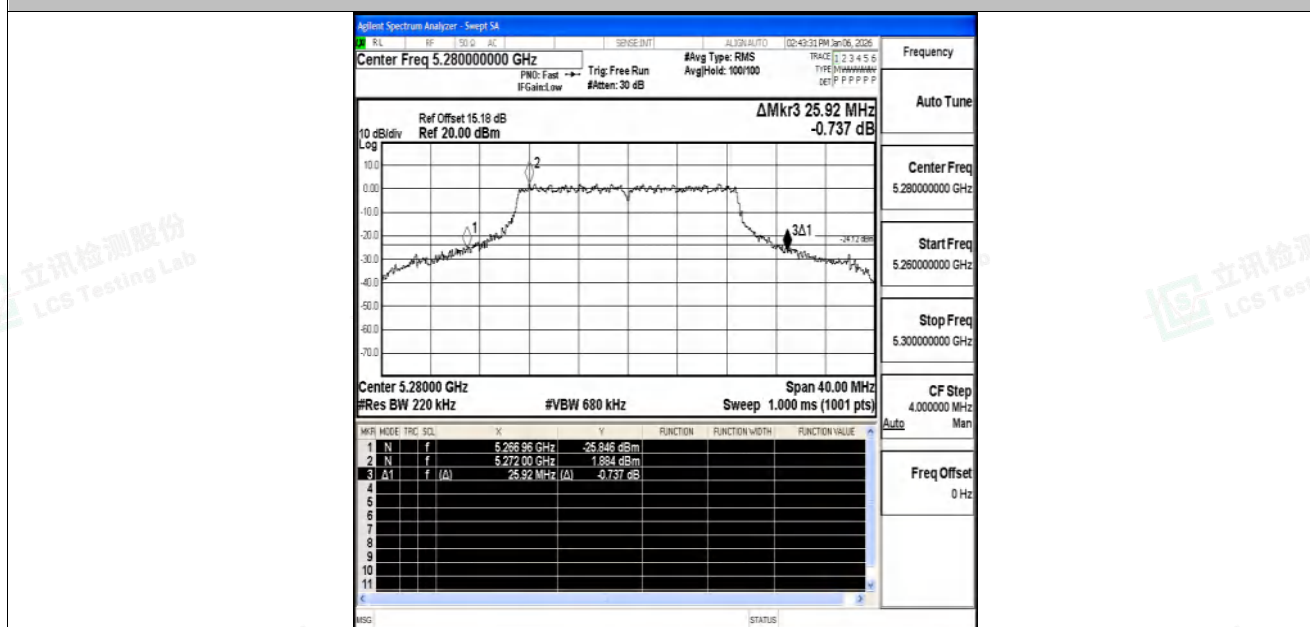
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11AC20SISO-Ant2-5260



11AC20SISO-Ant2-5280

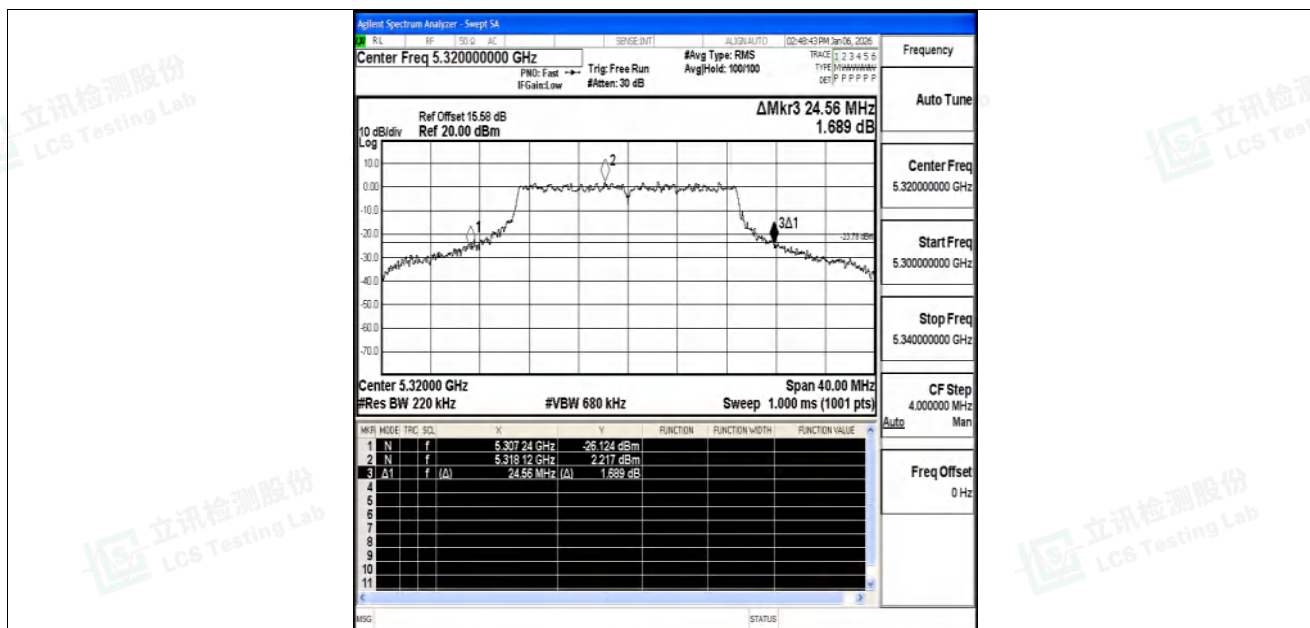


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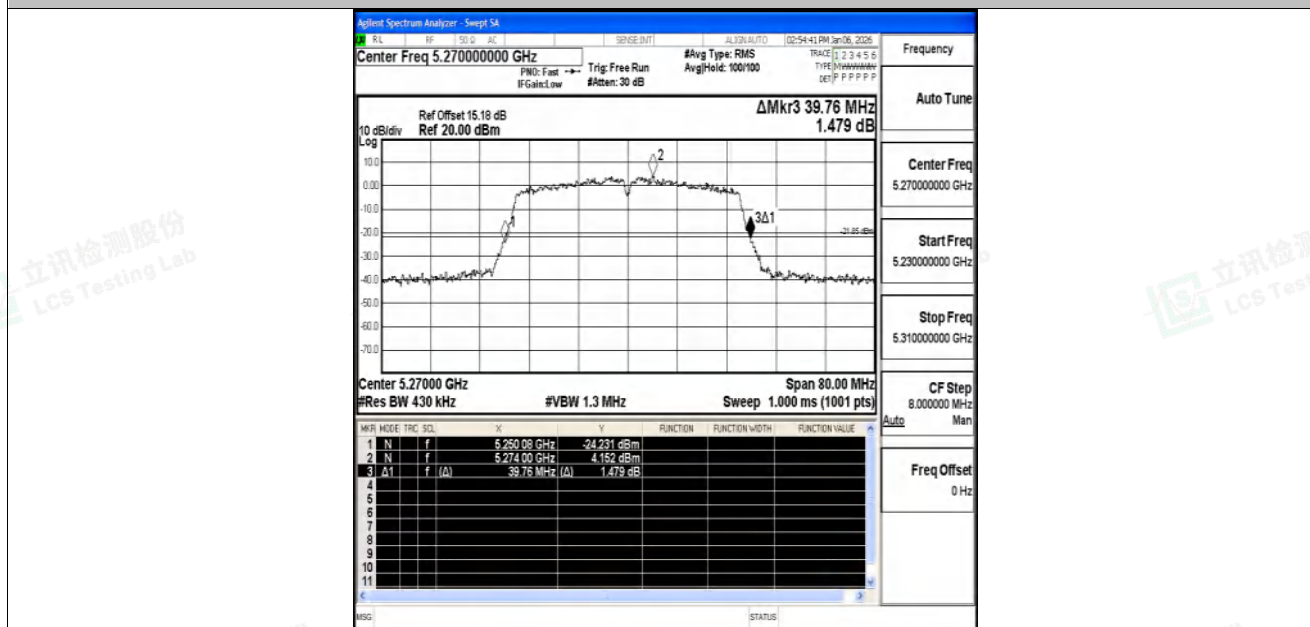
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11AC20SISO-Ant2-5320



11AC40SISO-Ant2-5270

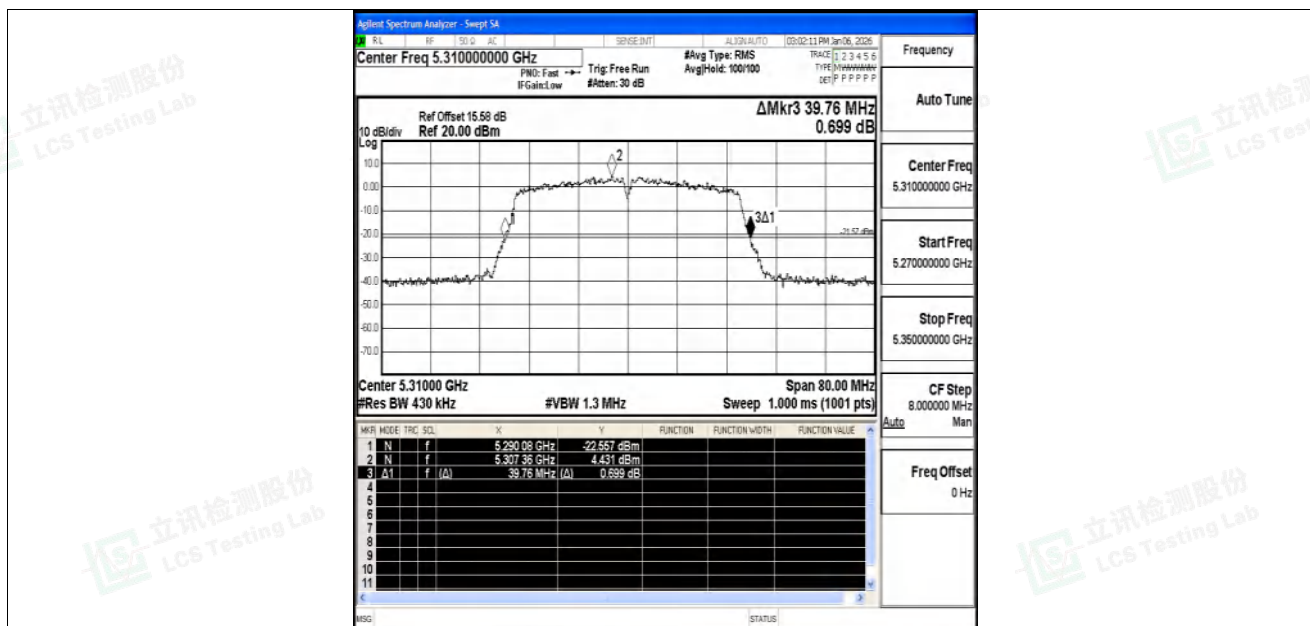


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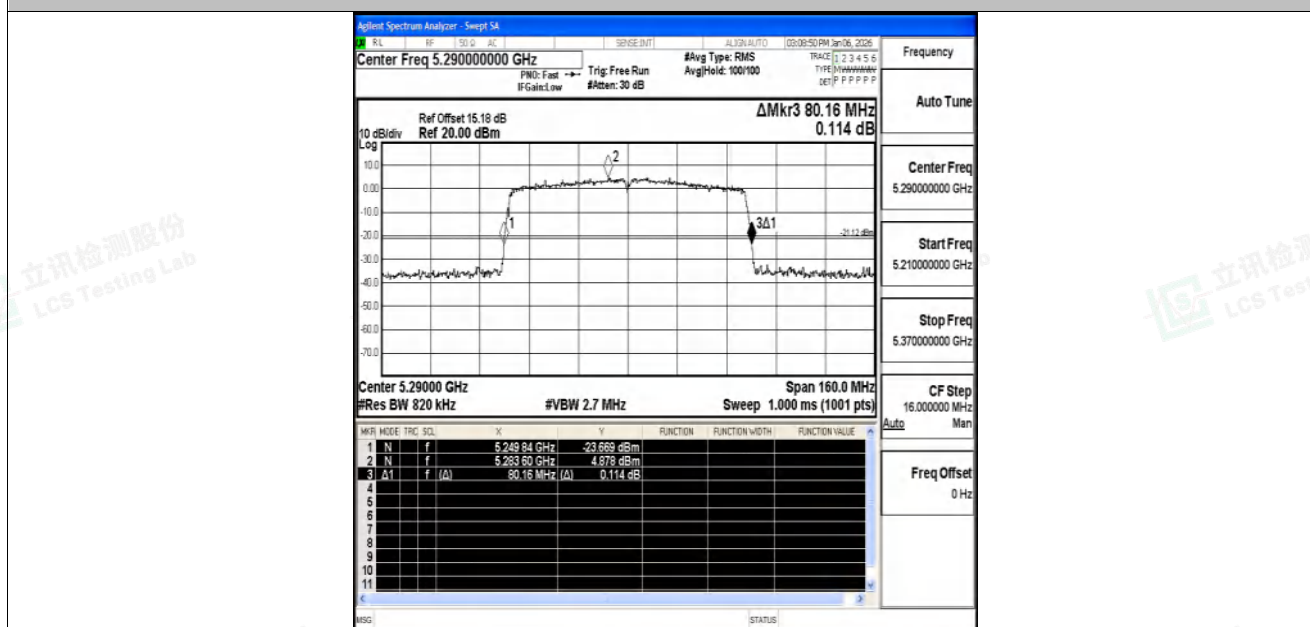
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11AC40SISO-Ant2-5310



11AC80SISO-Ant2-5290



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E.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	14.98	0.09	15.07	24	Pass
NVNT	a	5300	Ant1	14.3	0.09	14.39	24	Pass
NVNT	a	5320	Ant1	14.83	0.09	14.92	24	Pass
NVNT	n20	5260	Ant1	14.66	0.1	14.76	24	Pass
NVNT	n20	5300	Ant1	14.36	0.13	14.49	24	Pass
NVNT	n20	5320	Ant1	14.84	0.1	14.94	24	Pass
NVNT	n40	5270	Ant1	13.31	0.26	13.57	24	Pass
NVNT	n40	5310	Ant1	13.79	0.26	14.05	24	Pass
NVNT	ac20	5260	Ant1	11.3	0.79	12.09	24	Pass
NVNT	ac20	5300	Ant1	11.37	1.09	12.46	24	Pass
NVNT	ac20	5320	Ant1	10.96	1.03	11.99	24	Pass
NVNT	ac40	5270	Ant1	13.5	0.26	13.76	24	Pass
NVNT	ac40	5310	Ant1	14.74	0.26	15	24	Pass
NVNT	ac80	5290	Ant1	13.76	0.38	14.14	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant2	14.67	0.09	14.76	24	Pass
NVNT	a	5300	Ant2	14.27	0.12	14.39	24	Pass
NVNT	a	5320	Ant2	14.89	0.09	14.98	24	Pass
NVNT	n20	5260	Ant2	14.11	0.1	14.21	24	Pass
NVNT	n20	5300	Ant2	14.31	0.1	14.41	24	Pass
NVNT	n20	5320	Ant2	14.87	0.1	14.97	24	Pass
NVNT	n40	5270	Ant2	13.06	0.2	13.26	24	Pass
NVNT	n40	5310	Ant2	13.85	0.2	14.05	24	Pass
NVNT	ac20	5260	Ant2	10.94	1.09	12.03	24	Pass
NVNT	ac20	5300	Ant2	11.26	1.09	12.35	24	Pass
NVNT	ac20	5320	Ant2	11.1	0.79	11.89	24	Pass
NVNT	ac40	5270	Ant2	13.33	0.26	13.59	24	Pass
NVNT	ac40	5310	Ant2	13.97	0.26	14.23	24	Pass
NVNT	ac80	5290	Ant2	14.02	0.51	14.53	24	Pass



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**MIMO**

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Ant1+ Ant2		
NVNT	n20	5260	14.76	14.21	17.50	24	Pass
NVNT	n20	5300	14.49	14.41	17.46	24	Pass
NVNT	n20	5320	14.94	14.97	17.97	24	Pass
NVNT	n40	5270	13.57	13.26	16.43	24	Pass
NVNT	n40	5310	14.05	14.05	17.06	24	Pass
NVNT	ac20	5260	12.09	12.03	15.07	24	Pass
NVNT	ac20	5300	12.46	12.35	15.42	24	Pass
NVNT	ac20	5320	11.99	11.89	14.95	24	Pass
NVNT	ac40	5270	13.76	13.59	16.69	24	Pass
NVNT	ac40	5310	15	14.23	17.64	24	Pass
NVNT	ac80	5290	14.14	14.53	17.35	24	Pass



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E.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	5260	Ant1	4.75	0.09	4.84	11	Pass
NVNT	a	5300	Ant1	3.98	0.09	4.07	11	Pass
NVNT	a	5320	Ant1	4.28	0.09	4.37	11	Pass
NVNT	n20	5260	Ant1	4.08	0.1	4.18	11	Pass
NVNT	n20	5300	Ant1	3.74	0.13	3.87	11	Pass
NVNT	n20	5320	Ant1	4.16	0.1	4.26	11	Pass
NVNT	n40	5270	Ant1	0.67	0.26	0.93	11	Pass
NVNT	n40	5310	Ant1	1.04	0.26	1.3	11	Pass
NVNT	ac20	5260	Ant1	0.16	0.79	0.95	11	Pass
NVNT	ac20	5300	Ant1	0.02	1.09	1.11	11	Pass
NVNT	ac20	5320	Ant1	-0.07	1.03	0.96	11	Pass
NVNT	ac40	5270	Ant1	-5.35	0.26	-5.09	11	Pass
NVNT	ac40	5310	Ant1	-1.48	0.26	-1.22	11	Pass
NVNT	ac80	5290	Ant1	-2.21	0.38	-1.83	11	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5260	Ant2	4.12	0.09	4.21	11	Pass
NVNT	a	5300	Ant2	3.92	0.12	4.04	11	Pass
NVNT	a	5320	Ant2	4.12	0.09	4.21	11	Pass
NVNT	n20	5260	Ant2	3.7	0.1	3.8	11	Pass
NVNT	n20	5300	Ant2	3.98	0.1	4.08	11	Pass
NVNT	n20	5320	Ant2	4.02	0.1	4.12	11	Pass
NVNT	n40	5270	Ant2	0.84	0.2	1.04	11	Pass
NVNT	n40	5310	Ant2	1.28	0.2	1.48	11	Pass
NVNT	ac20	5260	Ant2	0.32	1.09	1.41	11	Pass
NVNT	ac20	5300	Ant2	-0.2	1.09	0.89	11	Pass
NVNT	ac20	5320	Ant2	0.18	0.79	0.97	11	Pass
NVNT	ac40	5270	Ant2	0.66	0.26	0.92	11	Pass
NVNT	ac40	5310	Ant2	1.25	0.26	1.51	11	Pass
NVNT	ac80	5290	Ant2	-2.01	0.51	-1.5	11	Pass



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**MIMO**

Condition	Mode	Frequency (MHz)	Total PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5260	4.18	3.8	7.00	8.69	Pass
NVNT	n20	5300	3.87	4.08	6.99	8.69	Pass
NVNT	n20	5320	4.26	4.12	7.20	8.69	Pass
NVNT	n40	5270	0.93	1.04	4.00	8.69	Pass
NVNT	n40	5310	1.3	1.48	4.40	8.69	Pass
NVNT	ac20	5260	0.95	1.41	4.20	8.69	Pass
NVNT	ac20	5300	1.11	0.89	4.01	8.69	Pass
NVNT	ac20	5320	0.96	0.97	3.98	8.69	Pass
NVNT	ac40	5270	-5.09	0.92	1.89	8.69	Pass
NVNT	ac40	5310	-1.22	1.51	3.37	8.69	Pass
NVNT	ac80	5290	-1.83	-1.5	1.35	8.69	Pass



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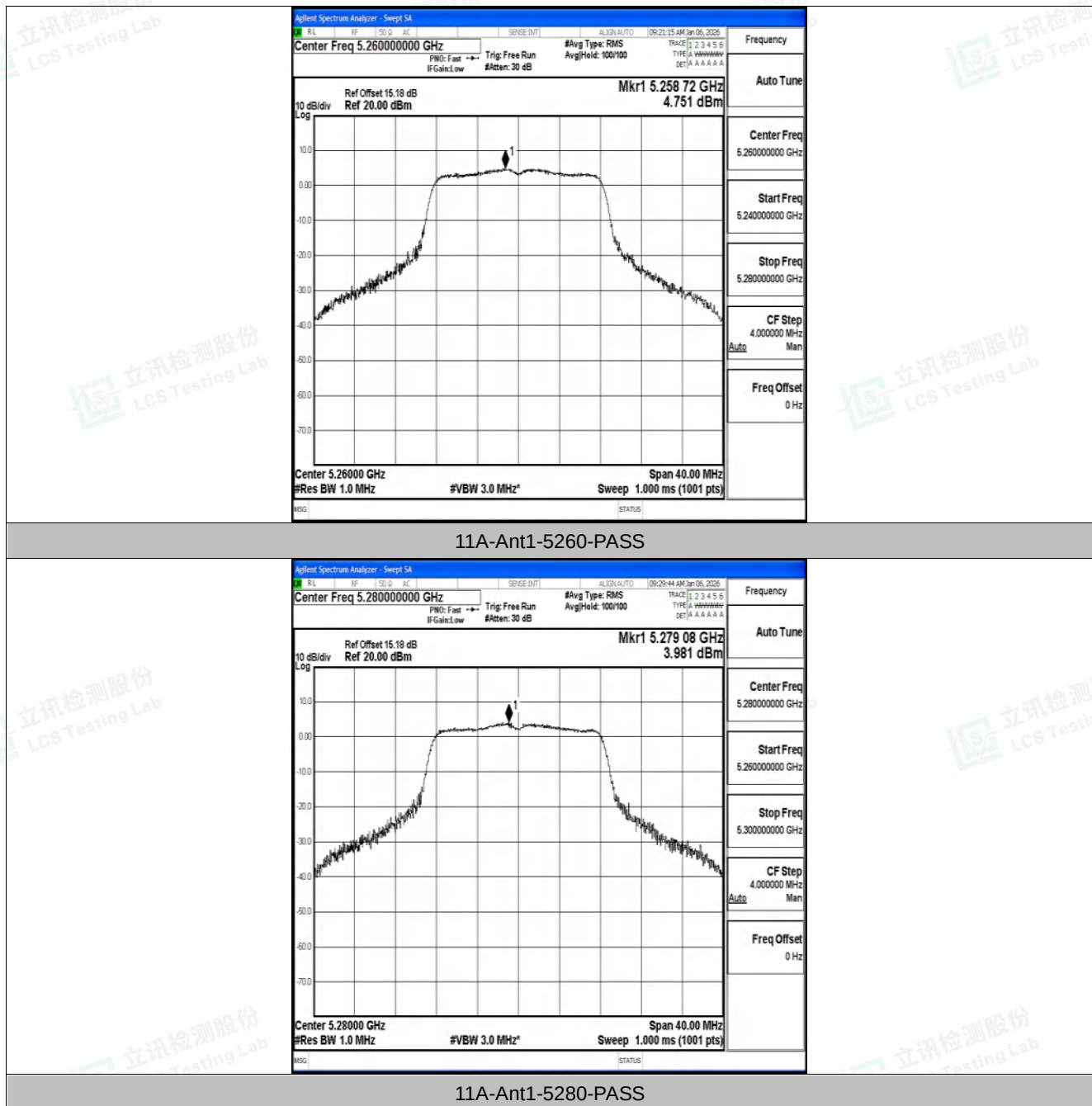
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

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Test Graphs

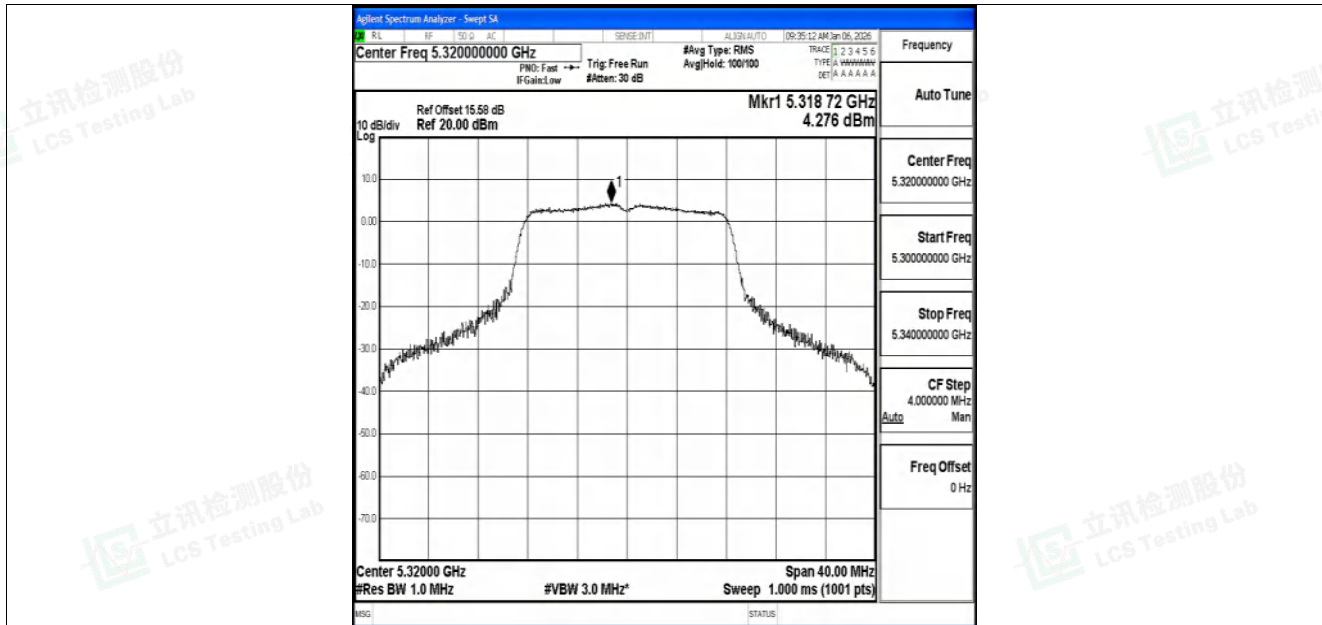


Shenzhen LCS Compliance Testing Laboratory Ltd.

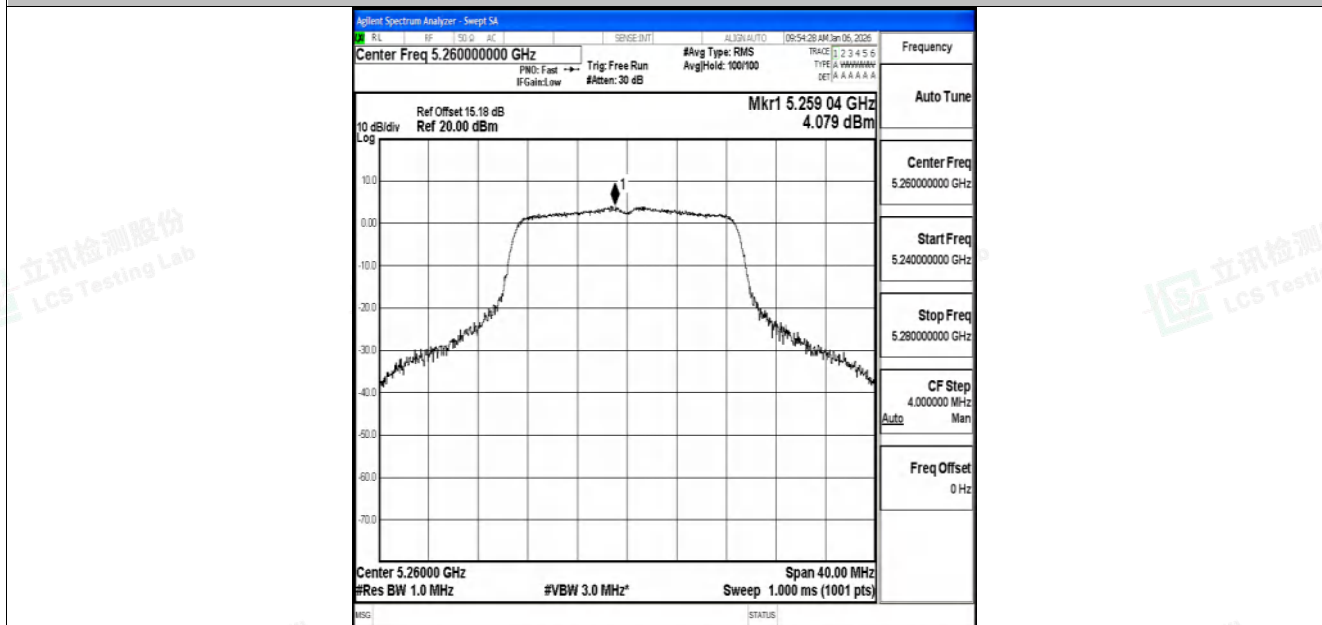
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11A-Ant1-5320-PASS



11N20SISO-Ant1-5260-PASS

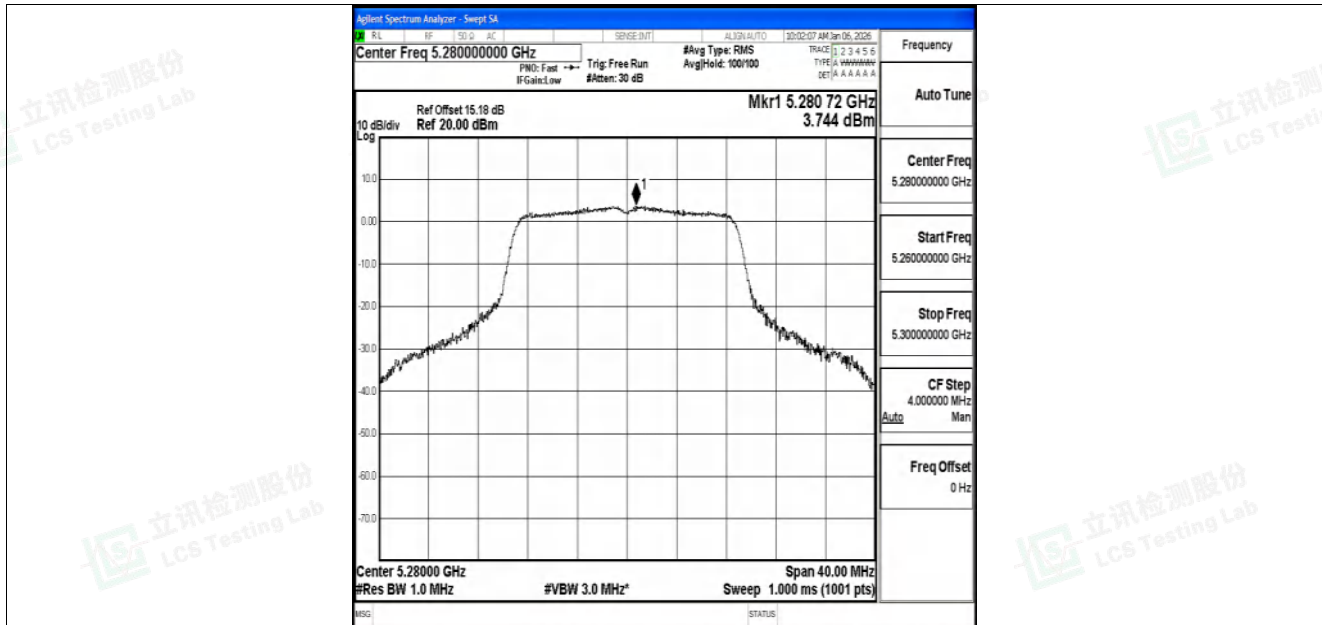


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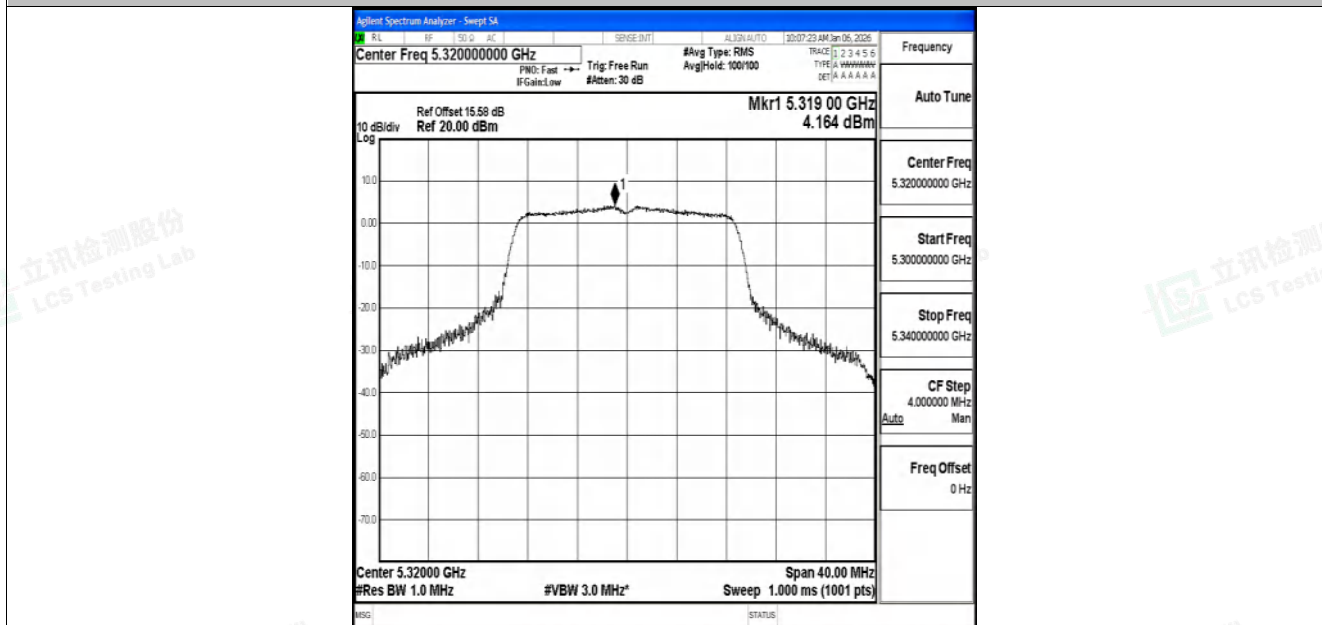
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11N20SISO-Ant1-5280-PASS



11N20SISO-Ant1-5320-PASS

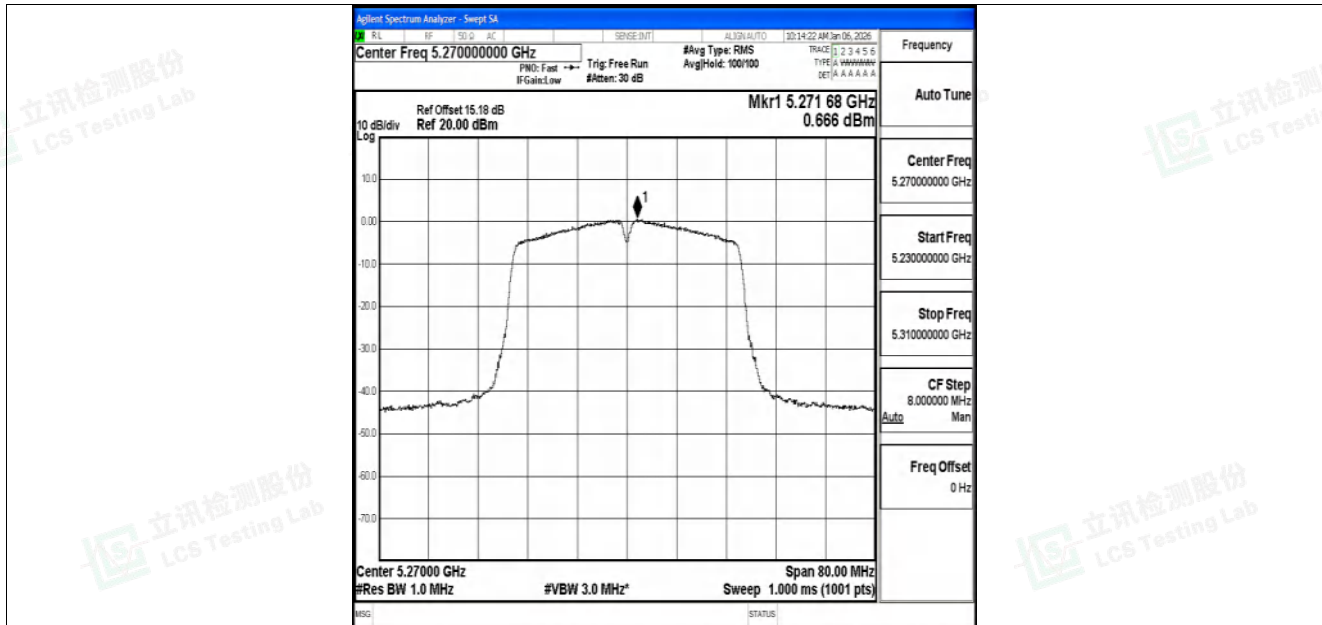


Shenzhen LCS Compliance Testing Laboratory Ltd.

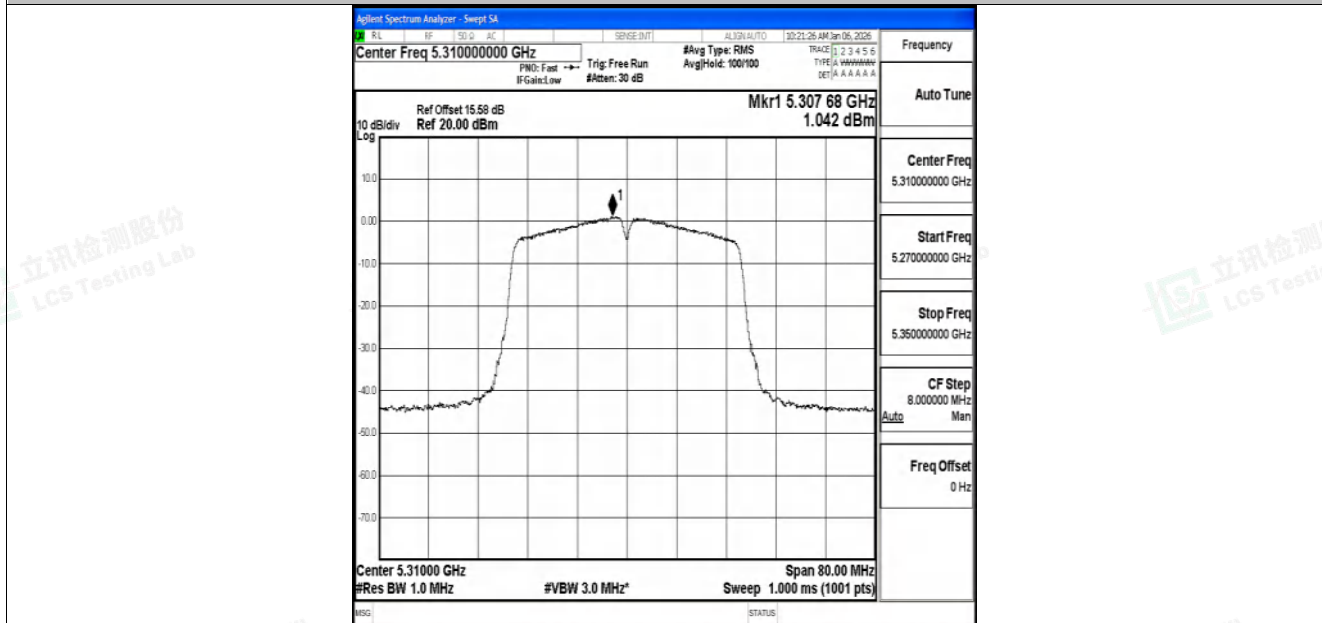
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11N40SISO-Ant1-5270-PASS



11N40SISO-Ant1-5310-PASS

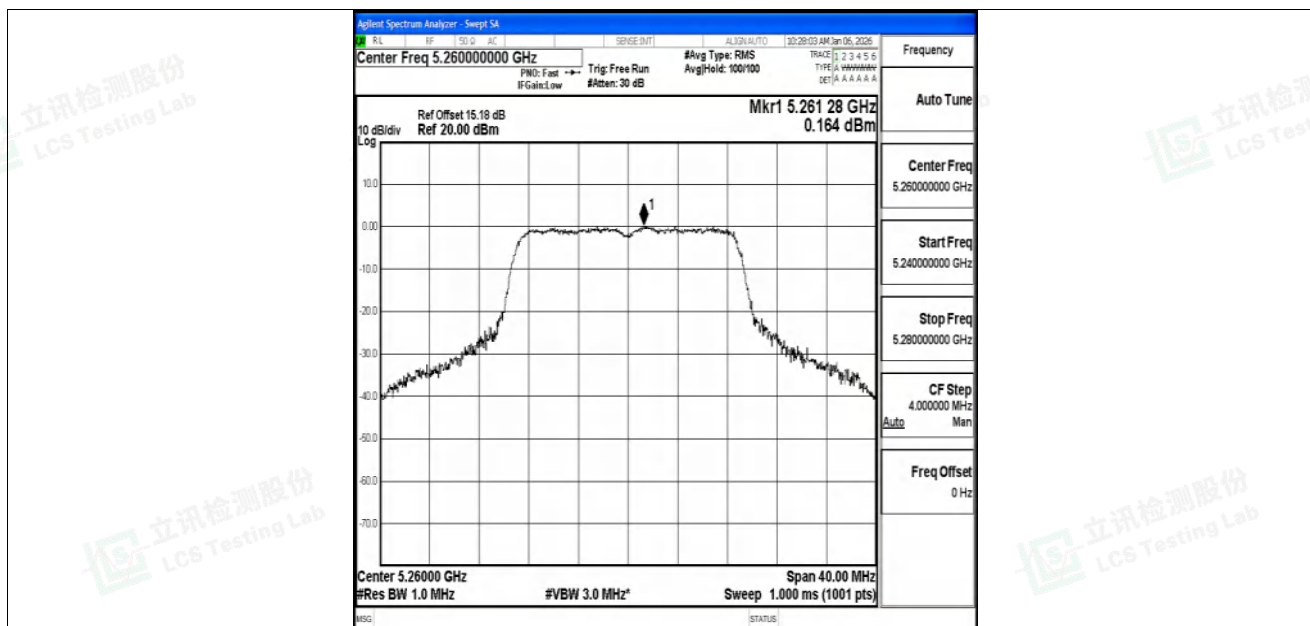


Shenzhen LCS Compliance Testing Laboratory Ltd.

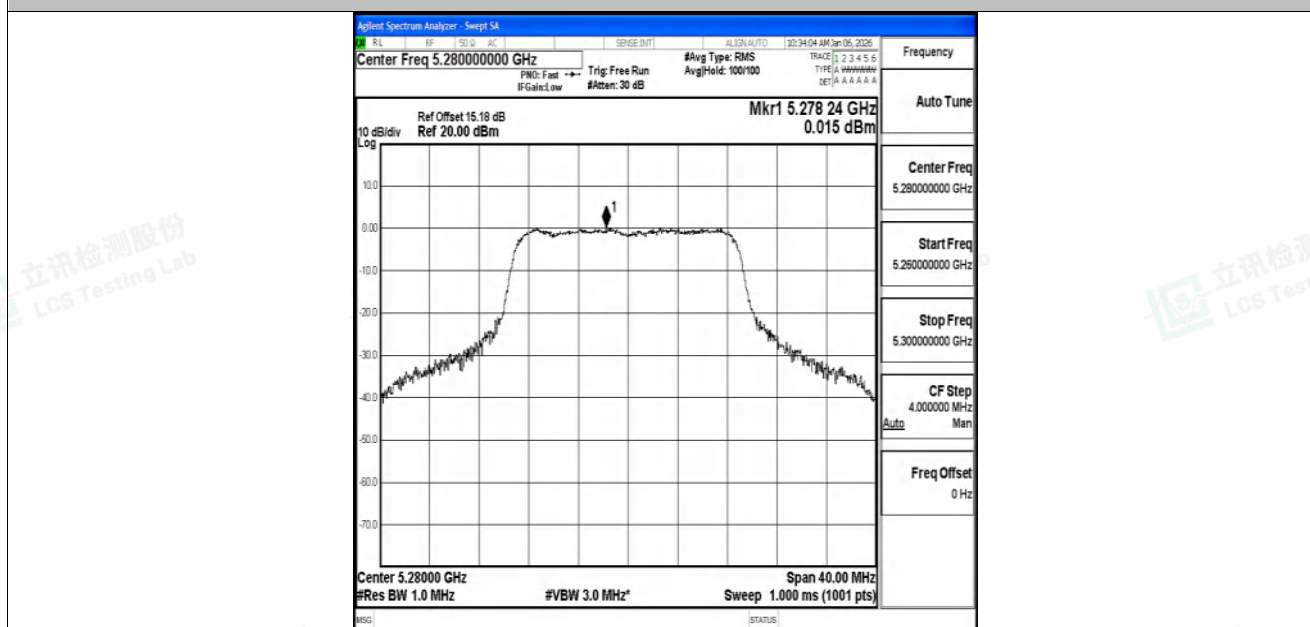
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11AC20SISO-Ant1-5260-PASS



11AC20SISO-Ant1-5280-PASS

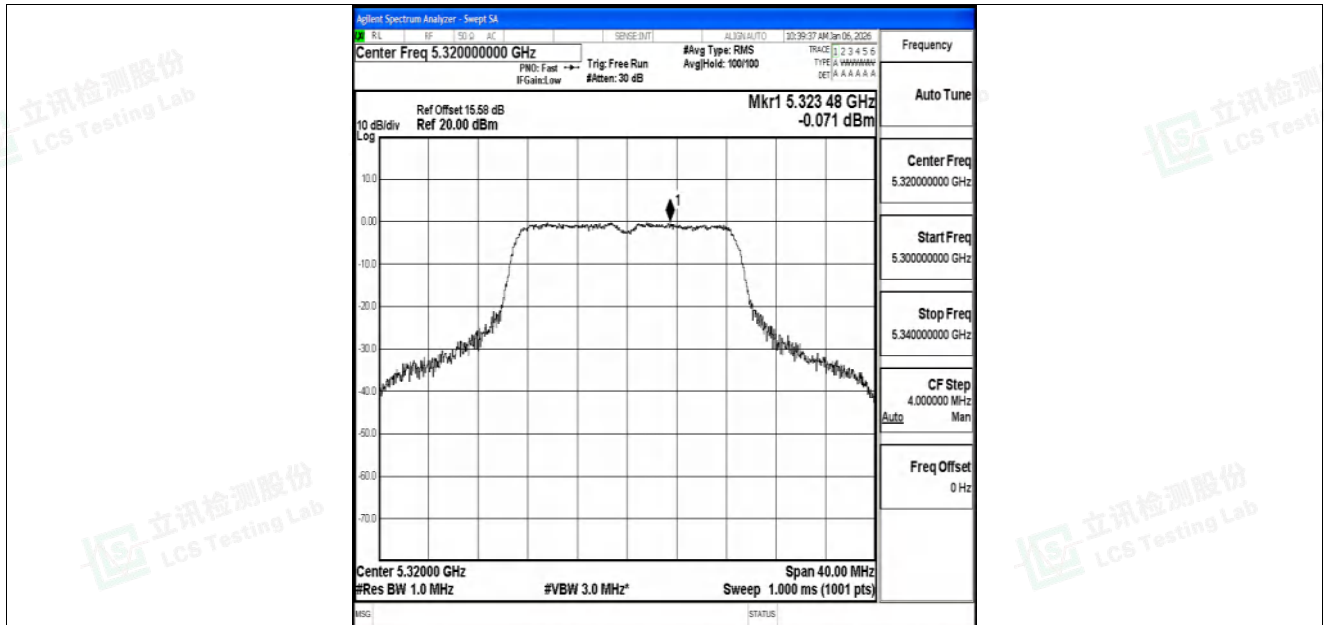


Shenzhen LCS Compliance Testing Laboratory Ltd.

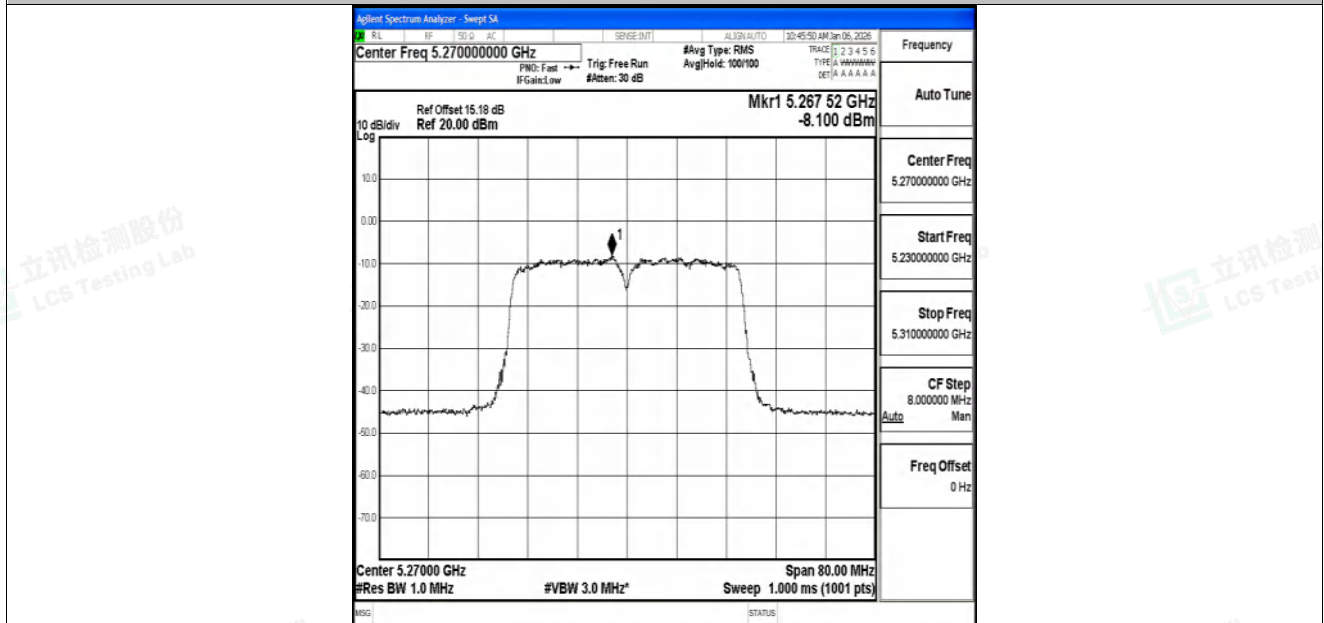
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11AC20SISO-Ant1-5320-PASS



11AC40SISO-Ant1-5270-PASS

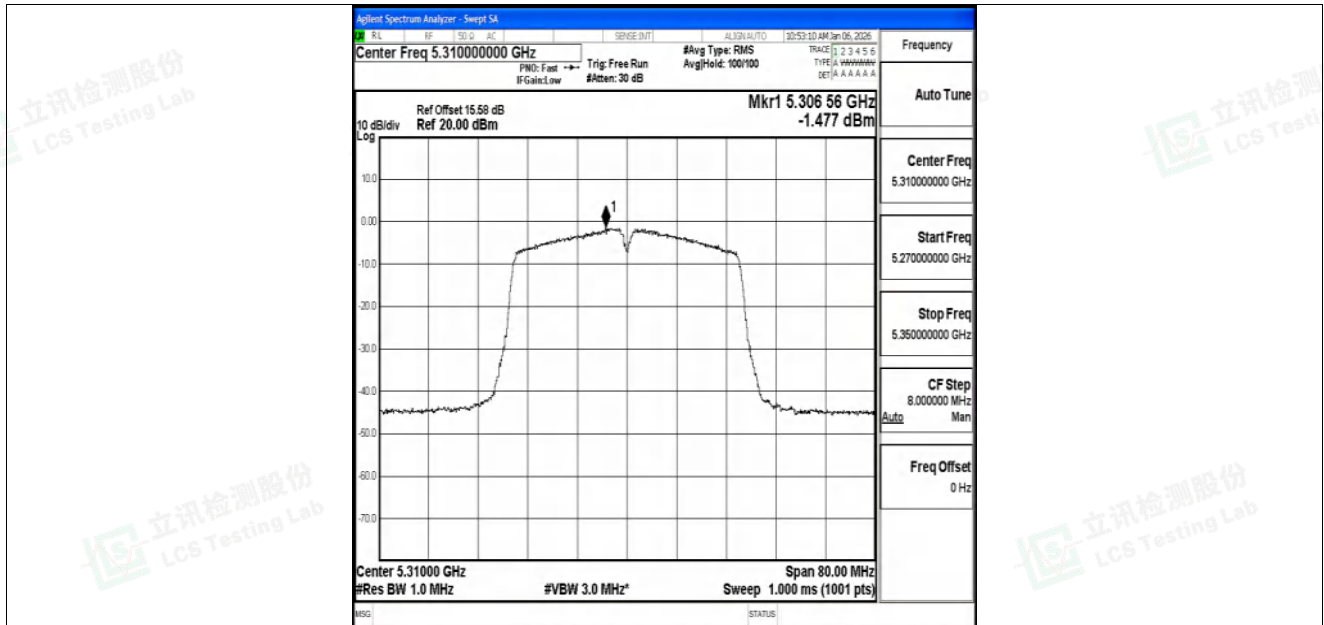


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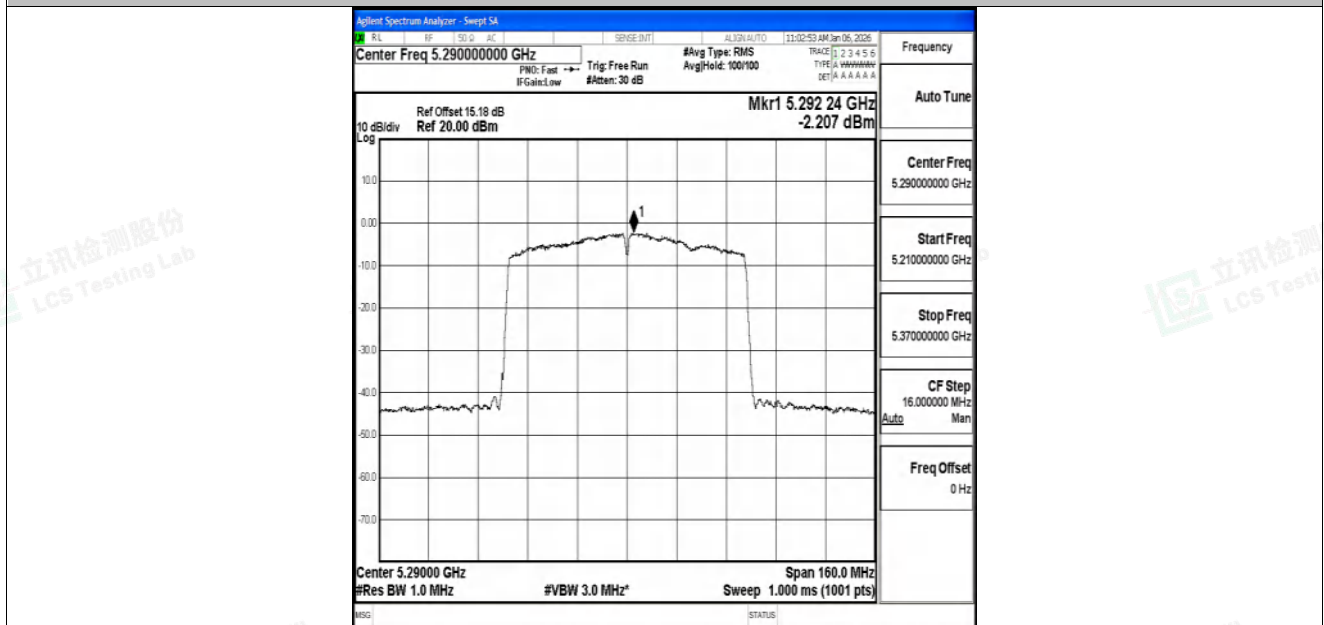
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11AC40SISO-Ant1-5310-PASS



11AC80SISO-Ant1-5290-PASS



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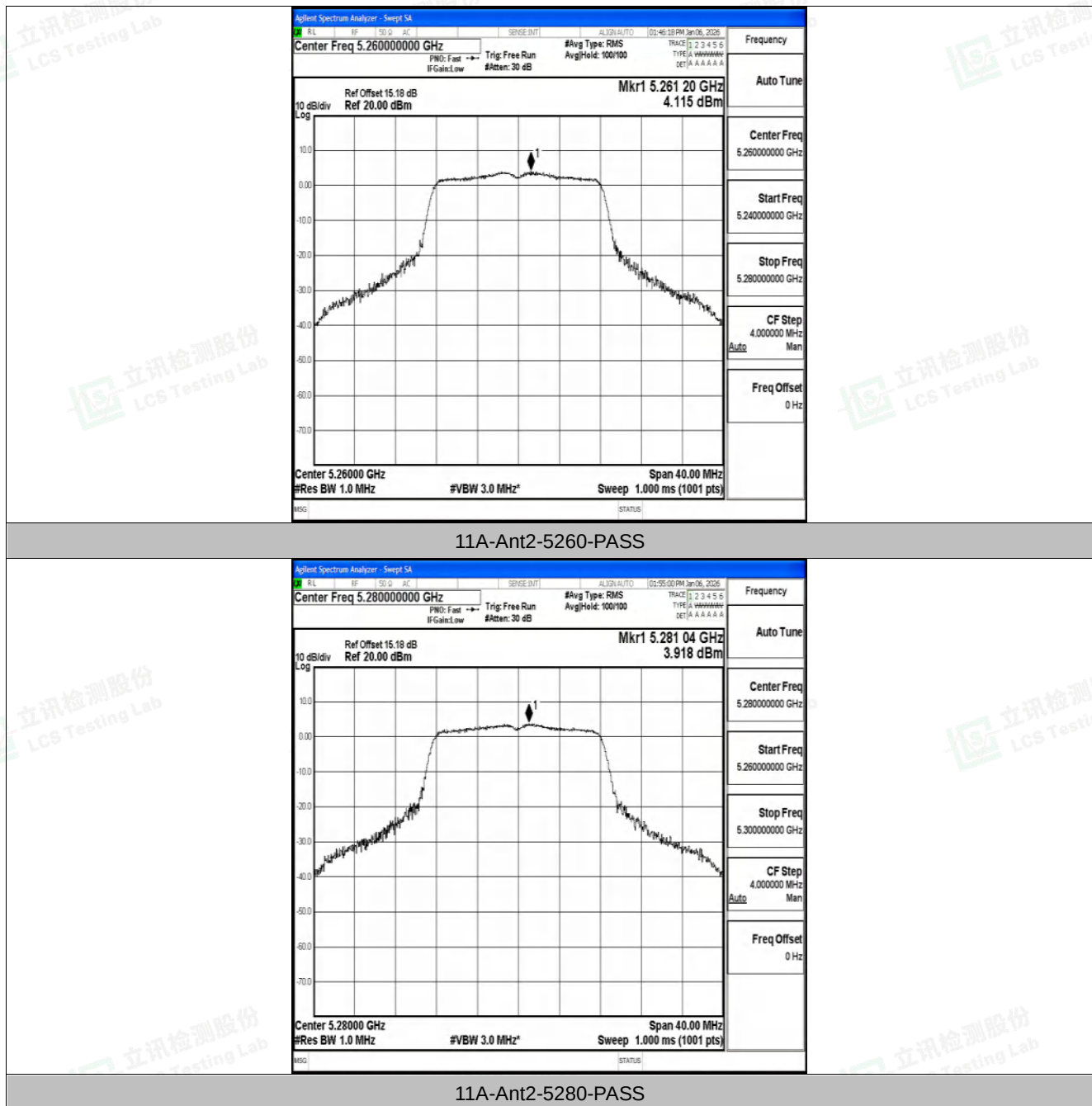
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Test Graphs

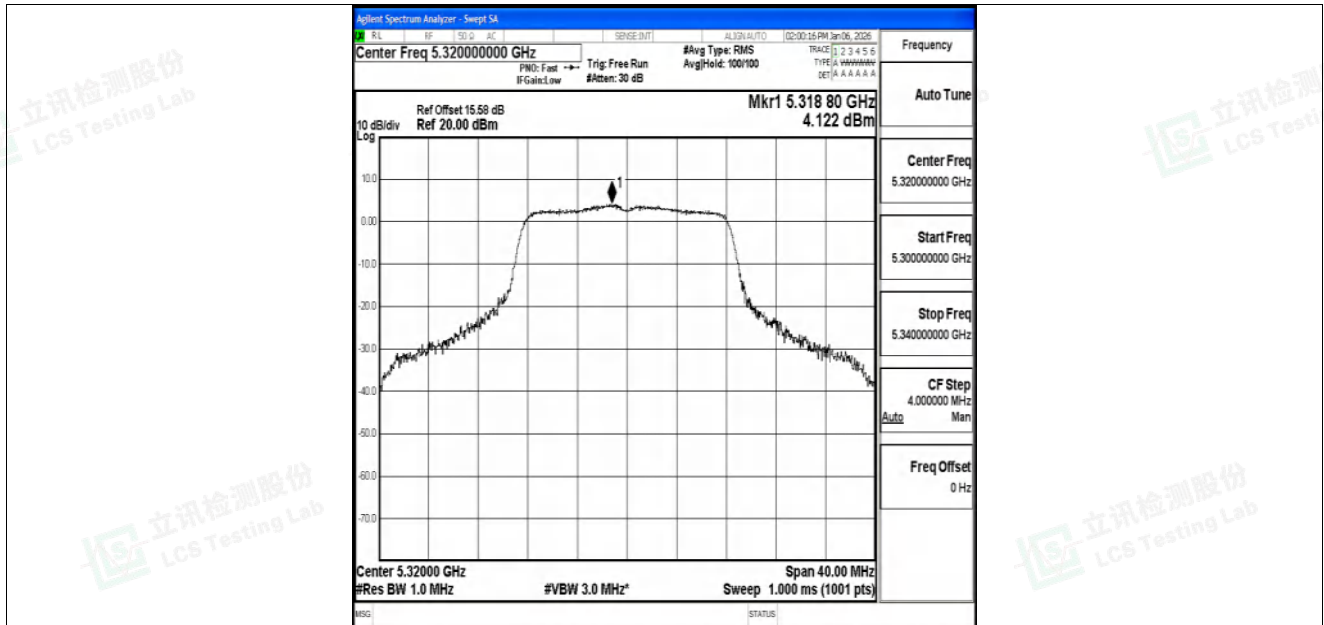


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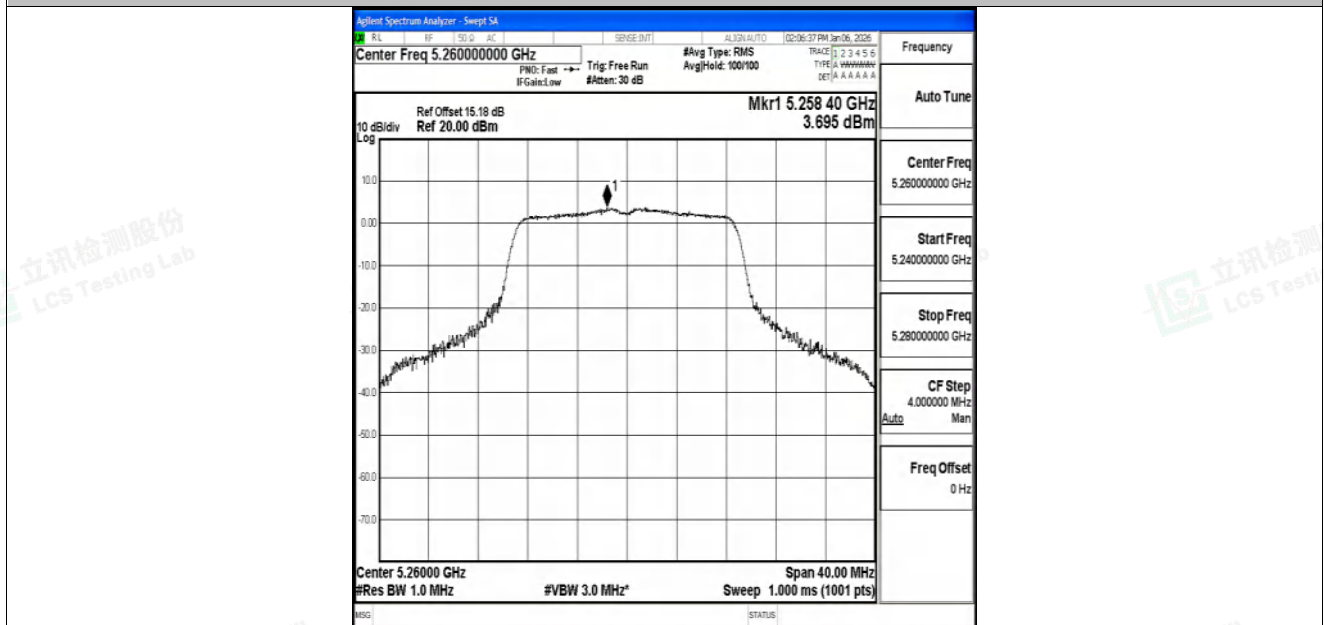
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11A-Ant2-5320-PASS



11N20SISO-Ant2-5260-PASS

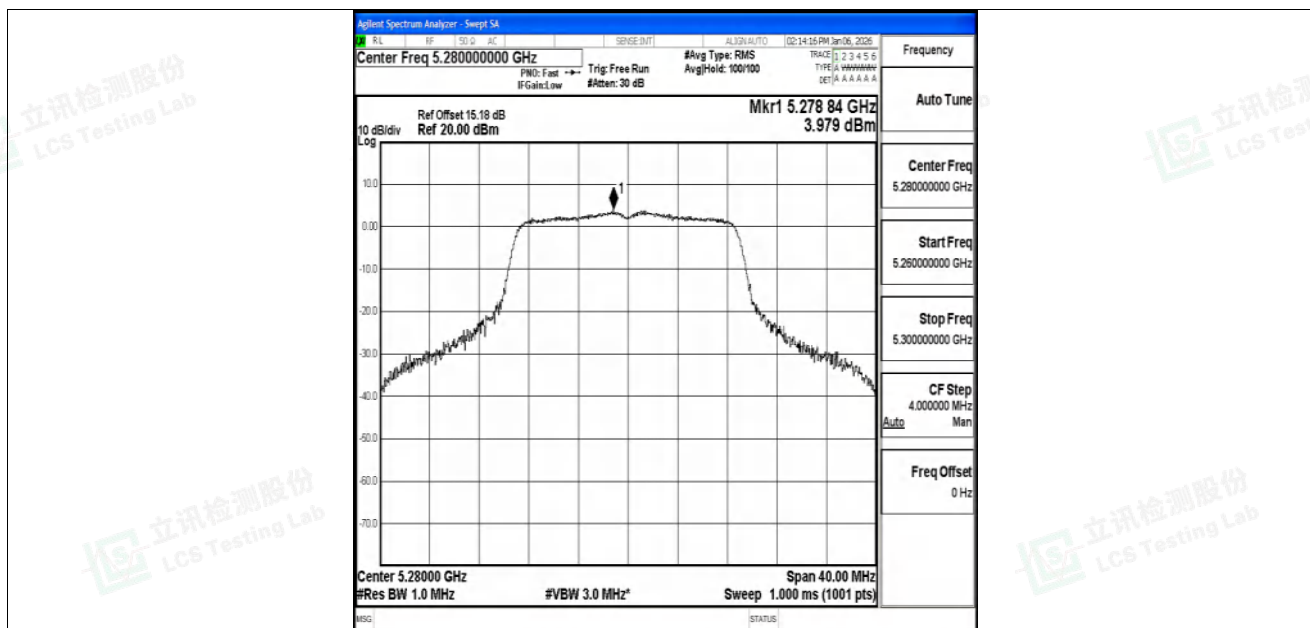


Shenzhen LCS Compliance Testing Laboratory Ltd.

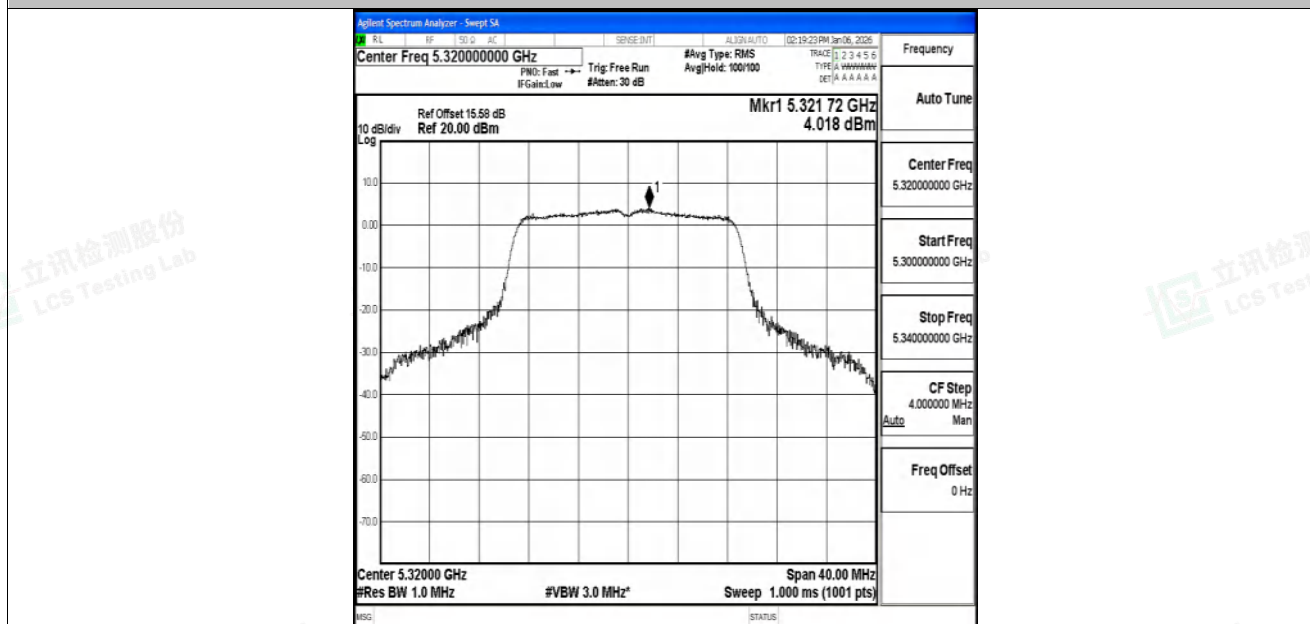
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11N20SISO-Ant2-5280-PASS



11N20SISO-Ant2-5320-PASS

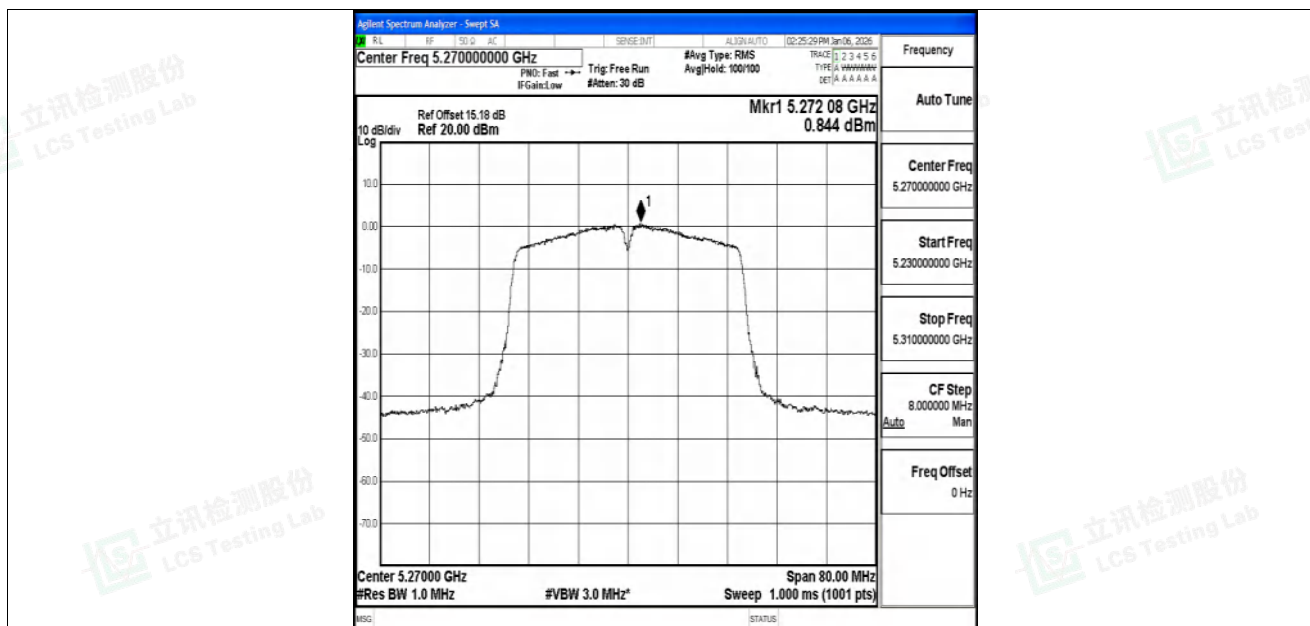


Shenzhen LCS Compliance Testing Laboratory Ltd.

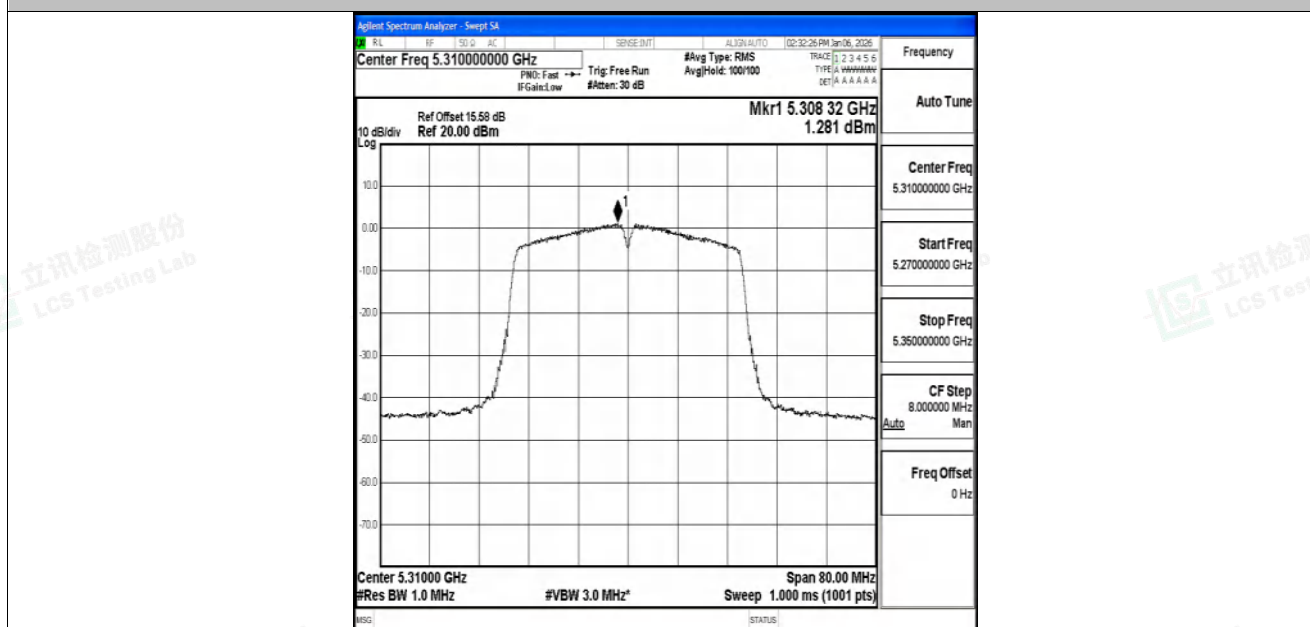
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11N40SISO-Ant2-5270-PASS



11N40SISO-Ant2-5310-PASS

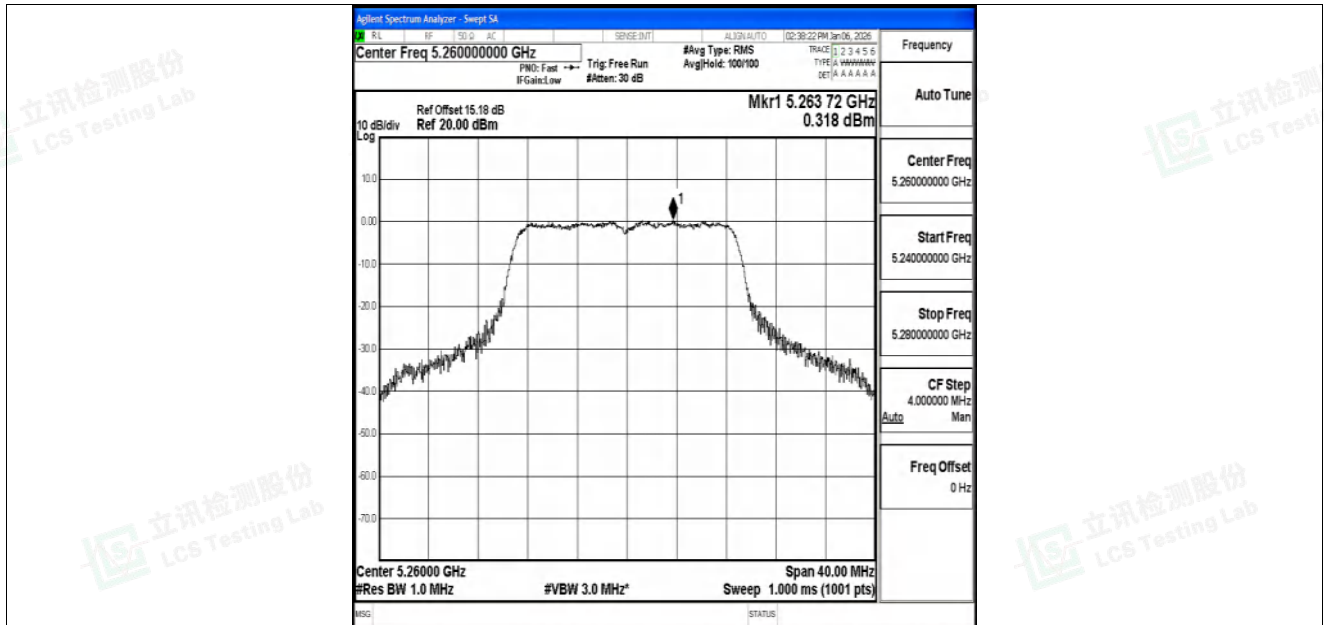


Shenzhen LCS Compliance Testing Laboratory Ltd.

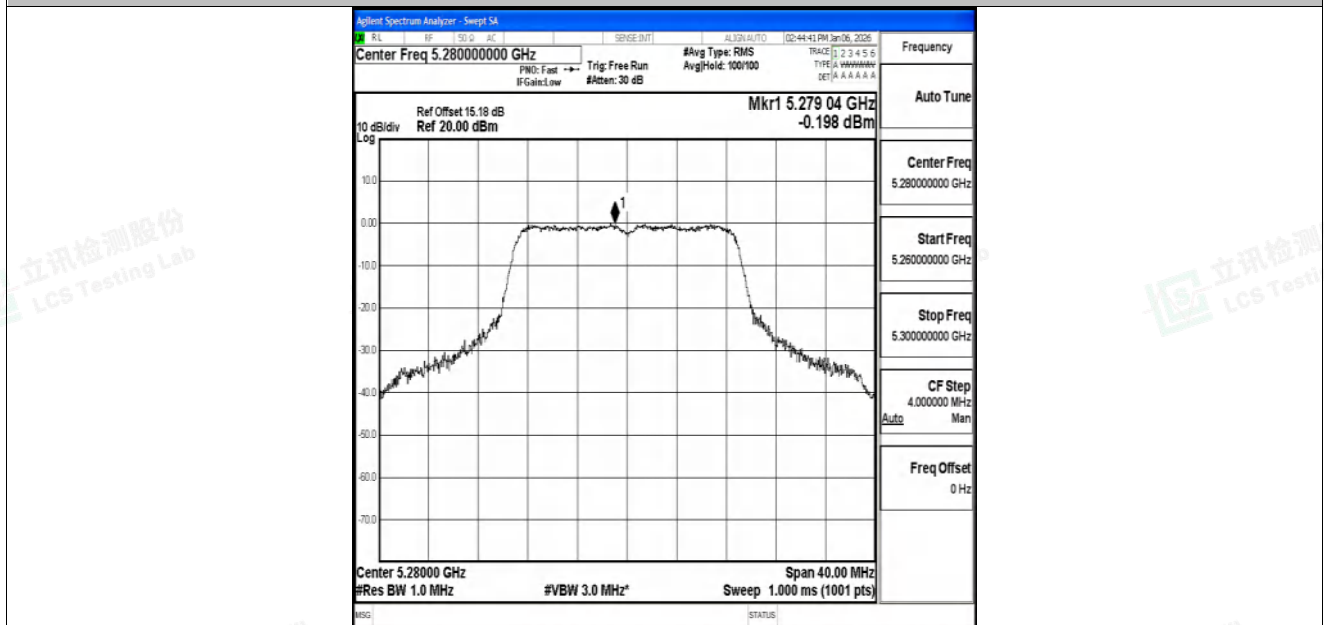
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11AC20SISO-Ant2-5260-PASS



11AC20SISO-Ant2-5280-PASS

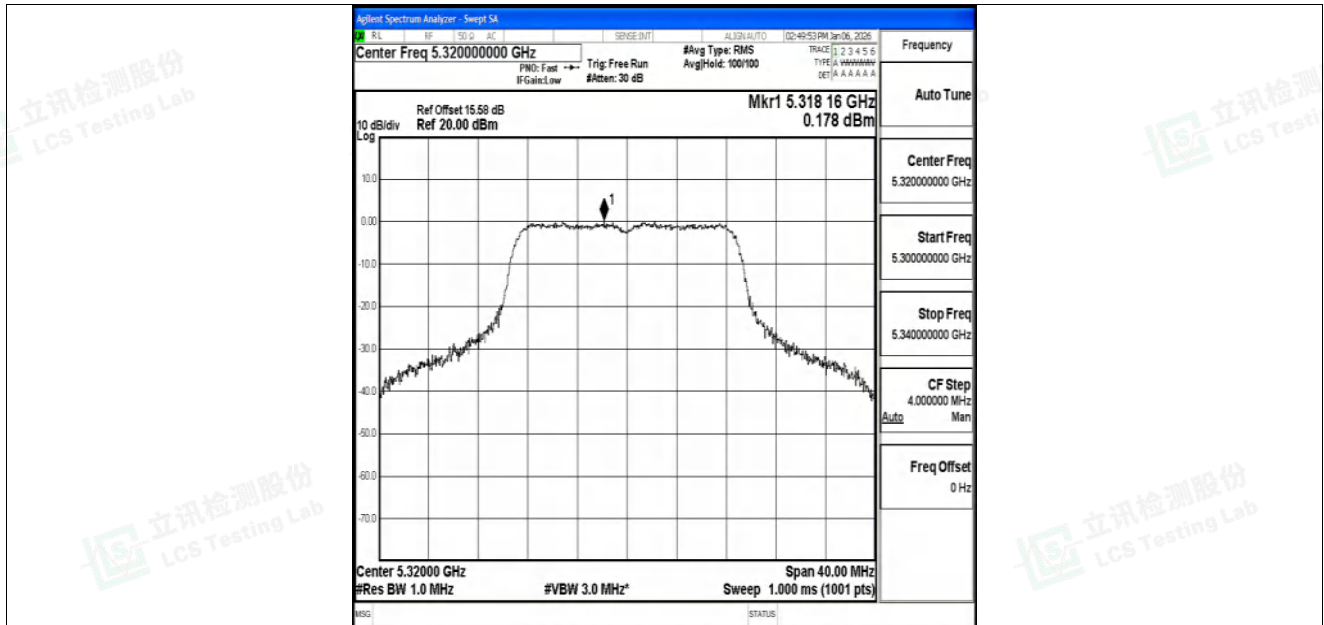


Shenzhen LCS Compliance Testing Laboratory Ltd.

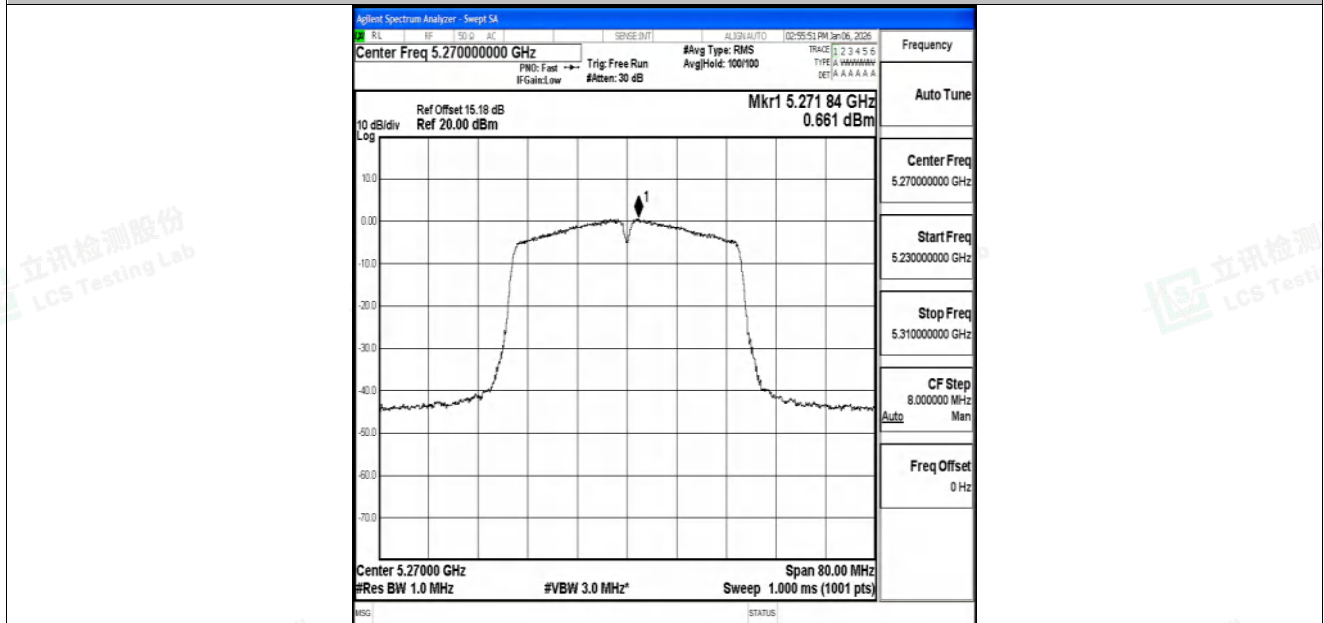
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11AC20SISO-Ant2-5320-PASS



11AC40SISO-Ant2-5270-PASS

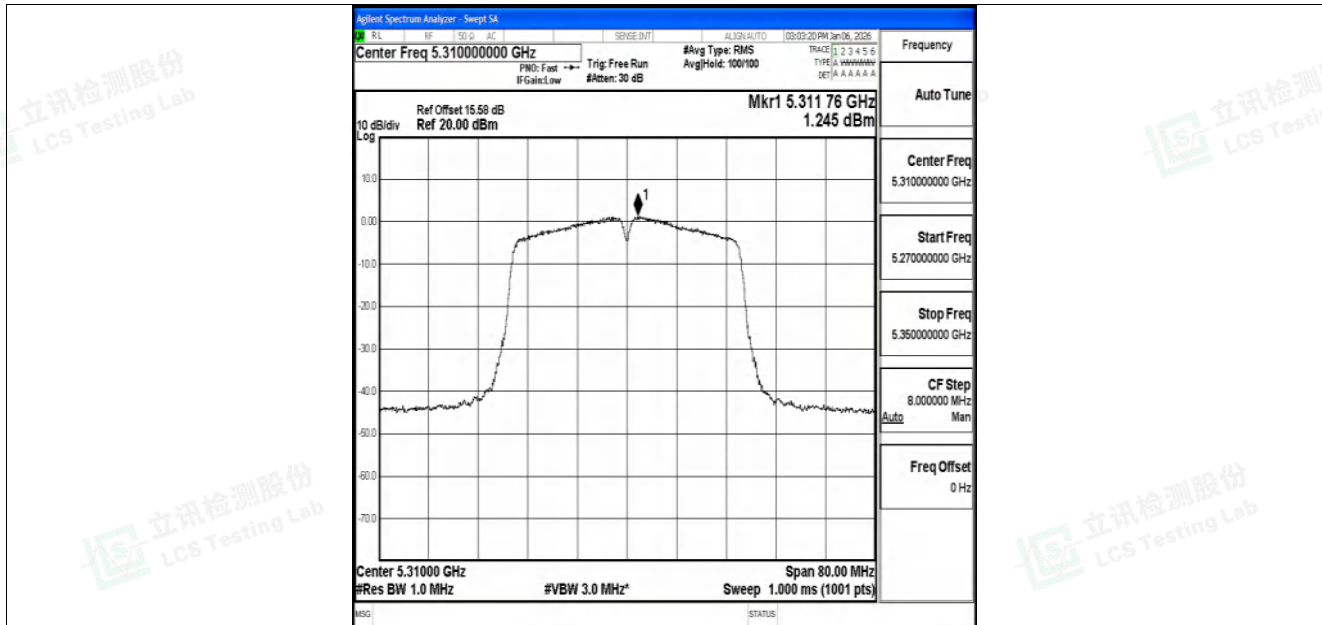


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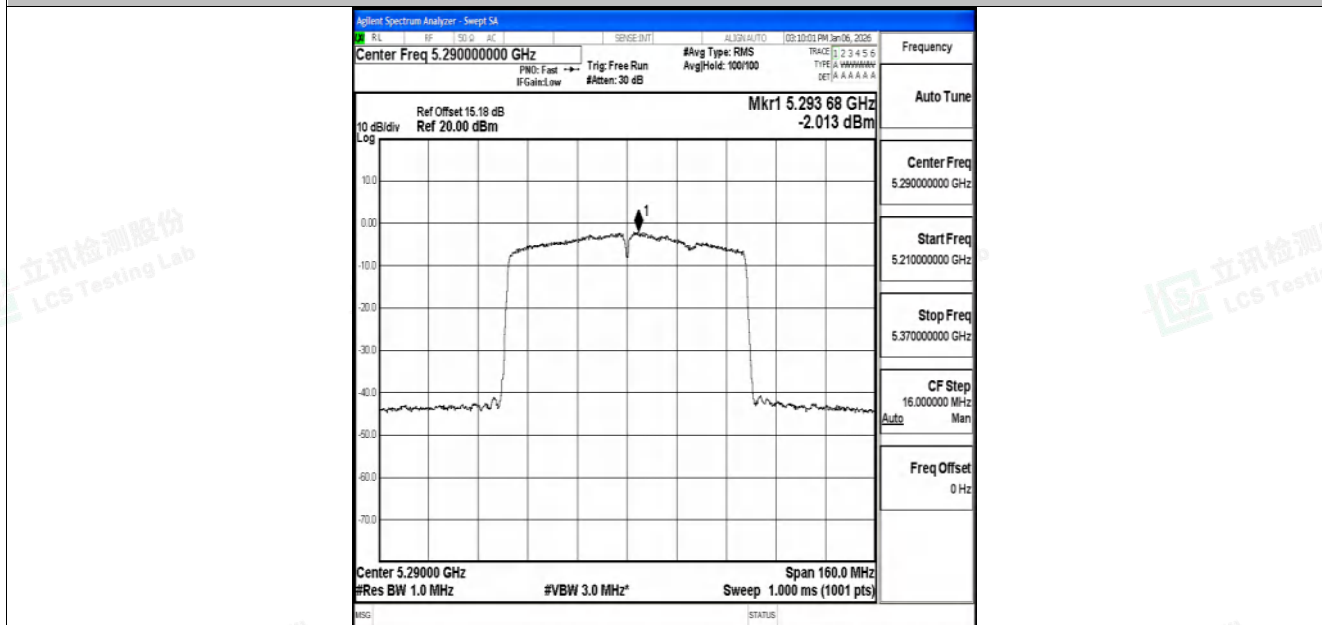
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11AC40SISO-Ant2-5310-PASS



11AC80SISO-Ant2-5290-PASS



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E.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	5260	Peak	4500.000	-45.21	≤-21.20	49.99	≤74	PASS
11A	Ant1	Low	5260	Peak	5150.000	-42.51	≤-21.20	52.69	≤74	PASS
11A	Ant1	Low	5260	Peak	5135.160	-39.83	≤-21.20	55.37	≤74	PASS
11A	Ant1	Low	5260	AV	4500.000	-52.99	≤-41.20	42.21	≤54	PASS
11A	Ant1	Low	5260	AV	5150.000	-48.78	≤-41.20	46.42	≤54	PASS
11A	Ant1	Low	5260	AV	5149.380	-48.72	≤-41.20	46.48	≤54	PASS
11A	Ant1	High	5320	Peak	5350.000	-41.29	≤-21.20	53.91	≤74	PASS
11A	Ant1	High	5320	Peak	5460.000	-43.56	≤-21.20	51.64	≤74	PASS
11A	Ant1	High	5320	Peak	5351.840	-38.59	≤-21.20	56.61	≤74	PASS
11A	Ant1	High	5320	AV	5350.000	-47.23	≤-41.20	47.97	≤54	PASS
11A	Ant1	High	5320	AV	5460.000	-50.95	≤-41.20	44.25	≤54	PASS
11A	Ant1	High	5320	AV	5351.680	-47.04	≤-41.20	48.16	≤54	PASS
11N20SISO	Ant1	Low	5260	Peak	4500.000	-45.68	≤-21.20	49.52	≤74	PASS
11N20SISO	Ant1	Low	5260	Peak	5150.000	-42.99	≤-21.20	52.21	≤74	PASS
11N20SISO	Ant1	Low	5260	Peak	5095.660	-40.51	≤-21.20	54.69	≤74	PASS
11N20SISO	Ant1	Low	5260	AV	4500.000	-53.07	≤-41.20	42.13	≤54	PASS
11N20SISO	Ant1	Low	5260	AV	5150.000	-49.13	≤-41.20	46.07	≤54	PASS
11N20SISO	Ant1	Low	5260	AV	5148.590	-49.1	≤-41.20	46.10	≤54	PASS
11N20SISO	Ant1	High	5320	Peak	5350.000	-38.61	≤-21.20	56.59	≤74	PASS
11N20SISO	Ant1	High	5320	Peak	5460.000	-43.68	≤-21.20	51.52	≤74	PASS
11N20SISO	Ant1	High	5320	Peak	5350.240	-36.94	≤-21.20	58.26	≤74	PASS
11N20SISO	Ant1	High	5320	AV	5350.000	-46.93	≤-41.20	48.27	≤54	PASS
11N20SISO	Ant1	High	5320	AV	5460.000	-51.42	≤-41.20	43.78	≤54	PASS
11N20SISO	Ant1	High	5320	AV	5350.240	-46.79	≤-41.20	48.41	≤54	PASS
11N40SISO	Ant1	Low	5270	Peak	4500.000	-45.82	≤-21.20	49.38	≤74	PASS
11N40SISO	Ant1	Low	5270	Peak	5150.000	-42.11	≤-21.20	53.09	≤74	PASS
11N40SISO	Ant1	Low	5270	Peak	5073.540	-40.18	≤-21.20	55.02	≤74	PASS
11N40SISO	Ant1	Low	5270	AV	4500.000	-52.68	≤-41.20	42.52	≤54	PASS
11N40SISO	Ant1	Low	5270	AV	5150.000	-49.17	≤-41.20	46.03	≤54	PASS
11N40SISO	Ant1	Low	5270	AV	5147.800	-49.14	≤-41.20	46.06	≤54	PASS
11N40SISO	Ant1	High	5310	Peak	5350.000	-39.93	≤-21.20	55.27	≤74	PASS
11N40SISO	Ant1	High	5310	Peak	5460.000	-45.42	≤-21.20	49.78	≤74	PASS
11N40SISO	Ant1	High	5310	Peak	5350.880	-37.95	≤-21.20	57.25	≤74	PASS
11N40SISO	Ant1	High	5310	AV	5350.000	-47.19	≤-41.20	48.01	≤54	PASS
11N40SISO	Ant1	High	5310	AV	5460.000	-51.39	≤-41.20	43.81	≤54	PASS
11N40SISO	Ant1	High	5310	AV	5350.720	-46.88	≤-41.20	48.32	≤54	PASS



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11AC20SISO	Ant1	Low	5260	Peak	4500.000	-47.49	≤-21.20	47.71	≤74	PASS
11AC20SISO	Ant1	Low	5260	Peak	5150.000	-43.81	≤-21.20	51.39	≤74	PASS
11AC20SISO	Ant1	Low	5260	Peak	5090.920	-41.1	≤-21.20	54.10	≤74	PASS
11AC20SISO	Ant1	Low	5260	AV	4500.000	-51.88	≤-41.20	43.32	≤54	PASS
11AC20SISO	Ant1	Low	5260	AV	5150.000	-48.79	≤-41.20	46.41	≤54	PASS
11AC20SISO	Ant1	Low	5260	AV	5142.270	-48.06	≤-41.20	47.14	≤54	PASS
11AC20SISO	Ant1	High	5320	Peak	5350.000	-43.48	≤-21.20	51.72	≤74	PASS
11AC20SISO	Ant1	High	5320	Peak	5460.000	-44.05	≤-21.20	51.15	≤74	PASS
11AC20SISO	Ant1	High	5320	Peak	5354.880	-40.84	≤-21.20	54.36	≤74	PASS
11AC20SISO	Ant1	High	5320	AV	5350.000	-48.27	≤-41.20	46.93	≤54	PASS
11AC20SISO	Ant1	High	5320	AV	5460.000	-50.44	≤-41.20	44.76	≤54	PASS
11AC20SISO	Ant1	High	5320	AV	5350.080	-48.27	≤-41.20	46.93	≤54	PASS
11AC40SISO	Ant1	Low	5270	Peak	4500.000	-45.8	≤-21.20	49.40	≤74	PASS
11AC40SISO	Ant1	Low	5270	Peak	5150.000	-43.43	≤-21.20	51.77	≤74	PASS
11AC40SISO	Ant1	Low	5270	Peak	5115.410	-40.65	≤-21.20	54.55	≤74	PASS
11AC40SISO	Ant1	Low	5270	AV	4500.000	-51.48	≤-41.20	43.72	≤54	PASS
11AC40SISO	Ant1	Low	5270	AV	5150.000	-48.82	≤-41.20	46.38	≤54	PASS
11AC40SISO	Ant1	Low	5270	AV	5122.520	-48.01	≤-41.20	47.19	≤54	PASS
11AC40SISO	Ant1	High	5310	Peak	5350.000	-42.86	≤-21.20	52.34	≤74	PASS
11AC40SISO	Ant1	High	5310	Peak	5460.000	-44.21	≤-21.20	50.99	≤74	PASS
11AC40SISO	Ant1	High	5310	Peak	5353.600	-41.34	≤-21.20	53.86	≤74	PASS
11AC40SISO	Ant1	High	5310	AV	5350.000	-49.33	≤-41.20	45.87	≤54	PASS
11AC40SISO	Ant1	High	5310	AV	5460.000	-51.71	≤-41.20	43.49	≤54	PASS
11AC40SISO	Ant1	High	5310	AV	5350.720	-49.28	≤-41.20	45.92	≤54	PASS
11AC80SISO	Ant1	Low	5290	Peak	4500.000	-45.57	≤-21.20	49.63	≤74	PASS
11AC80SISO	Ant1	Low	5290	Peak	5150.000	-43.03	≤-21.20	52.17	≤74	PASS
11AC80SISO	Ant1	Low	5290	Peak	5145.600	-40.81	≤-21.20	54.39	≤74	PASS
11AC80SISO	Ant1	High	5290	Peak	5350.000	-34.74	≤-21.20	60.46	≤74	PASS
11AC80SISO	Ant1	High	5290	Peak	5460.000	-44.1	≤-21.20	51.10	≤74	PASS
11AC80SISO	Ant1	High	5290	Peak	5355.400	-33.84	≤-21.20	61.36	≤74	PASS
11AC80SISO	Ant1	Low	5290	AV	4500.000	-52.22	≤-41.20	42.98	≤54	PASS
11AC80SISO	Ant1	Low	5290	AV	5150.000	-48.57	≤-41.20	46.63	≤54	PASS
11AC80SISO	Ant1	Low	5290	AV	5145.600	-48.58	≤-41.20	46.62	≤54	PASS
11AC80SISO	Ant1	High	5290	AV	5350.000	-42.36	≤-41.20	52.84	≤54	PASS
11AC80SISO	Ant1	High	5290	AV	5460.000	-51.59	≤-41.20	43.61	≤54	PASS
11AC80SISO	Ant1	High	5290	AV	5350.400	-42.23	≤-41.20	52.97	≤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.



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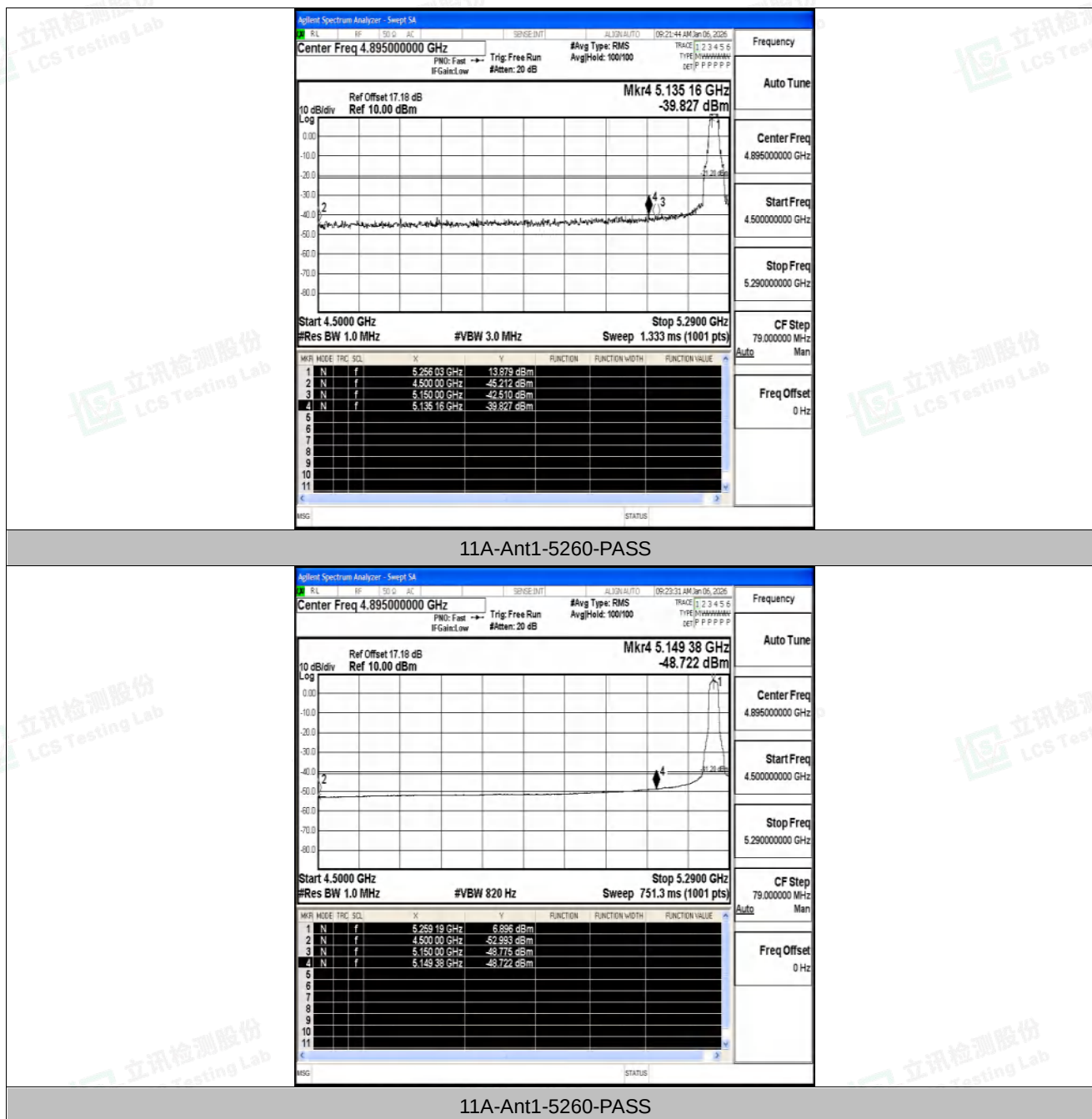
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Test Graphs

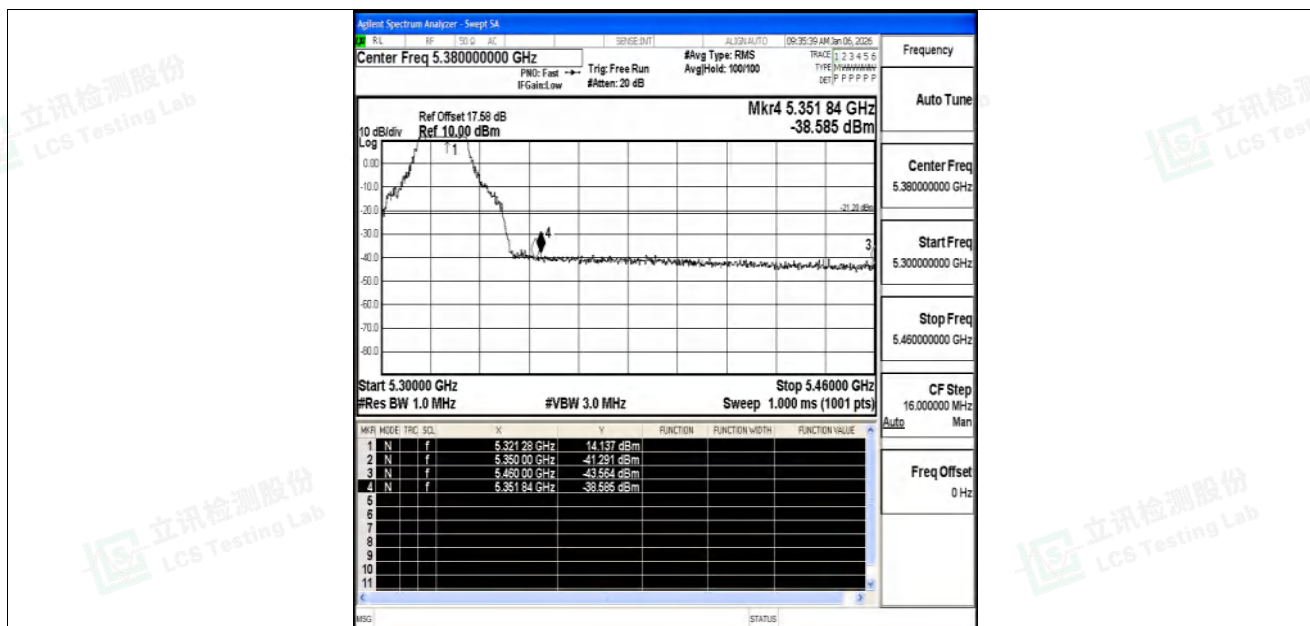


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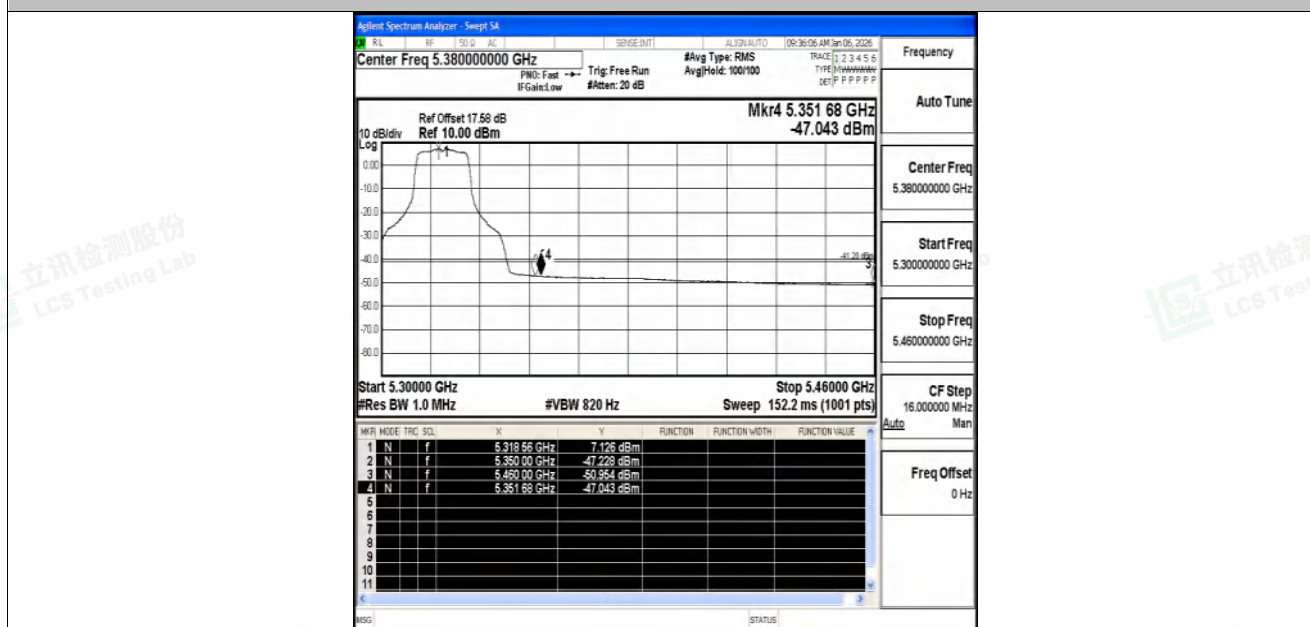
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11A-Ant1-5320-PASS



11A-Ant1-5320-PASS

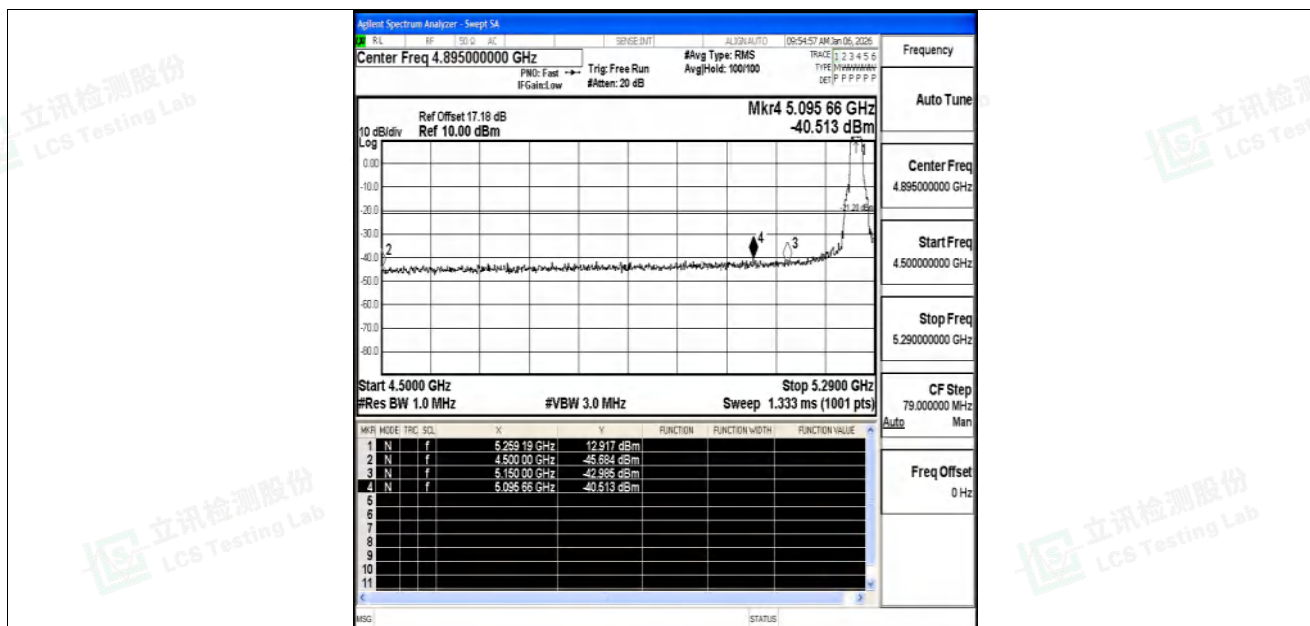


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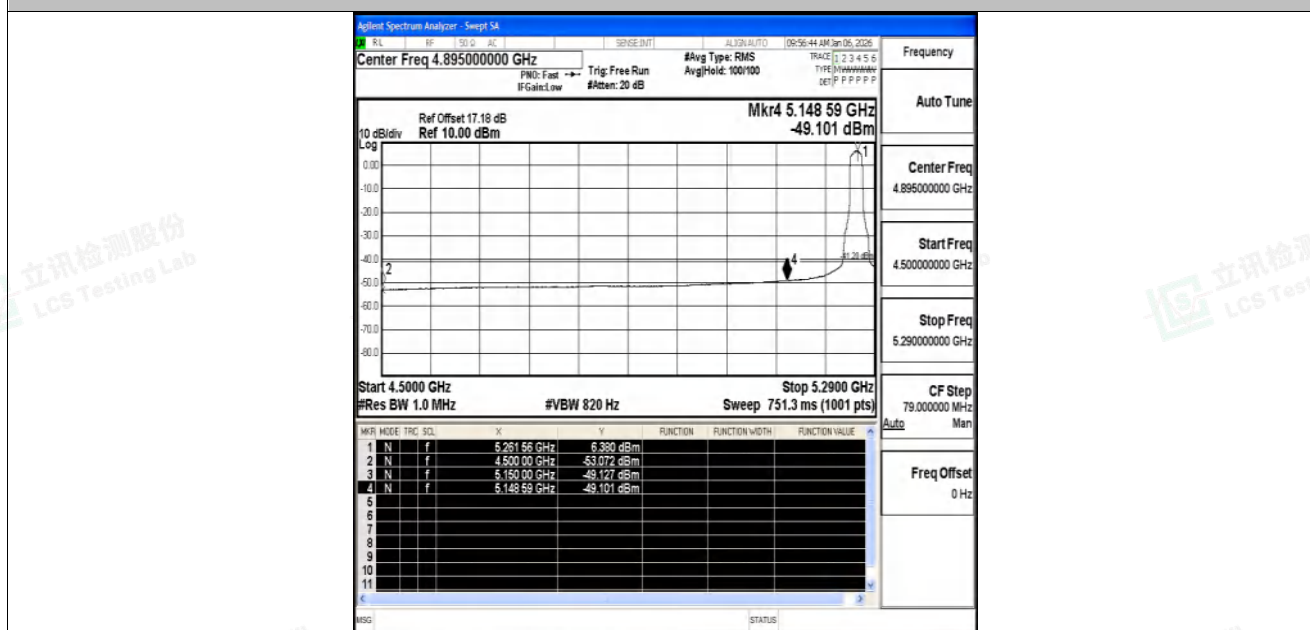
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11N20SISO-Ant1-5260-PASS



11N20SISO-Ant1-5260-PASS

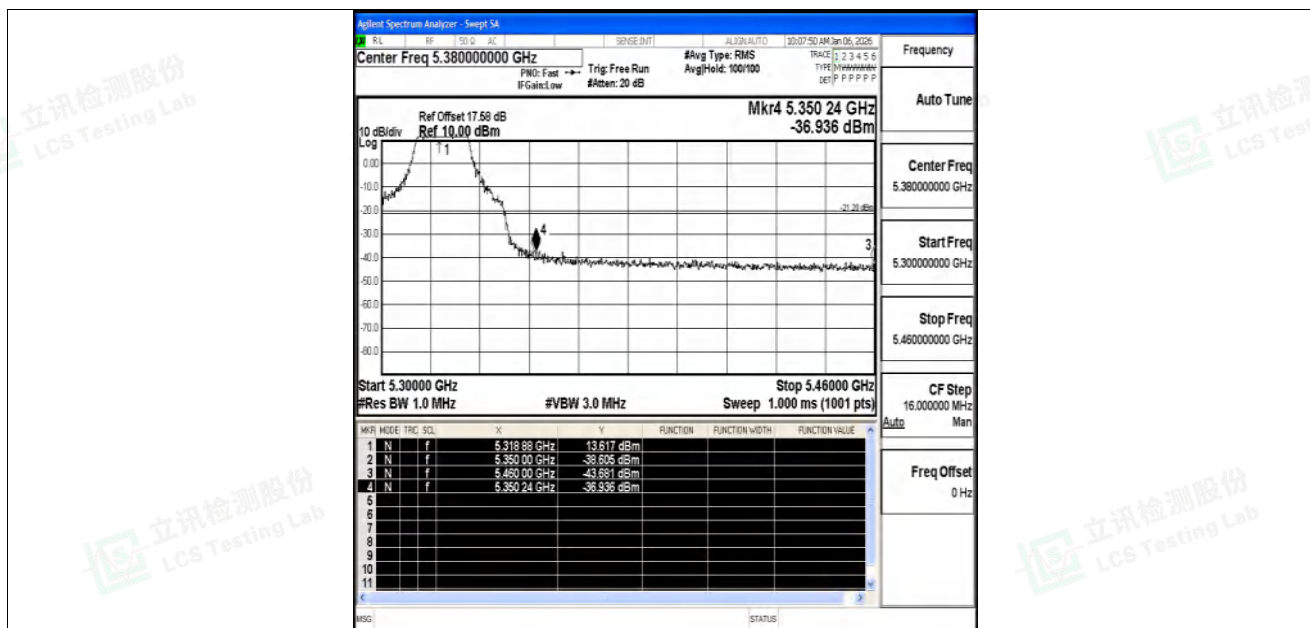


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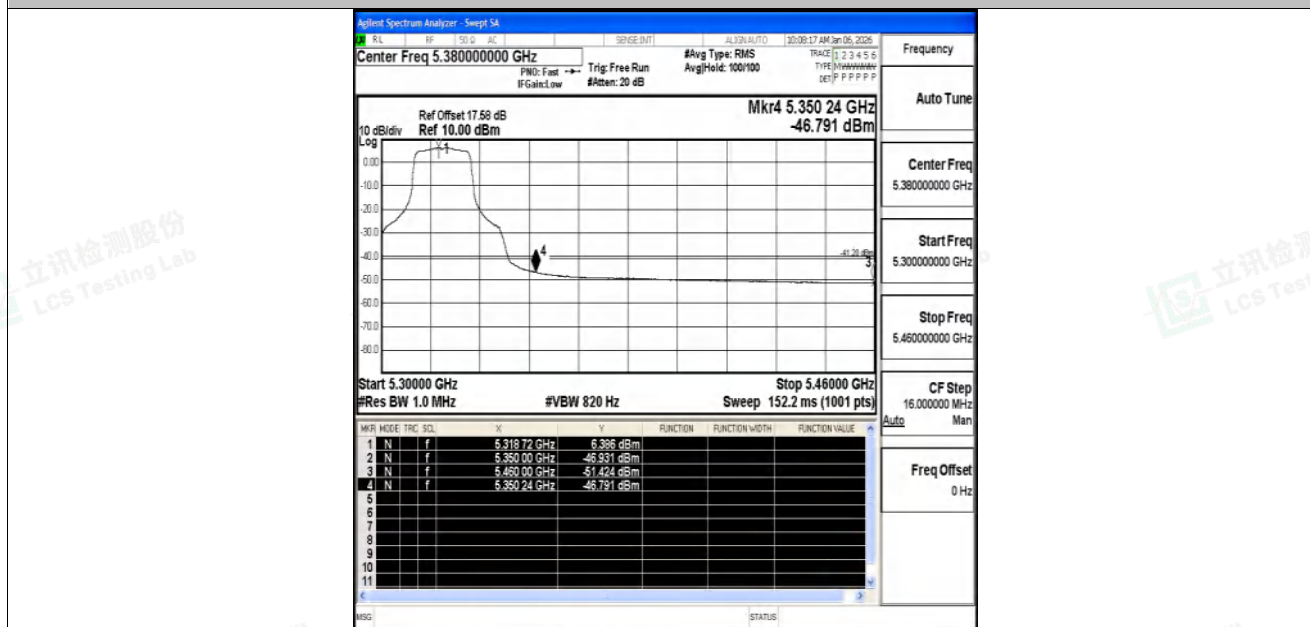
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11N20SISO-Ant1-5320-PASS



11N20SISO-Ant1-5320-PASS

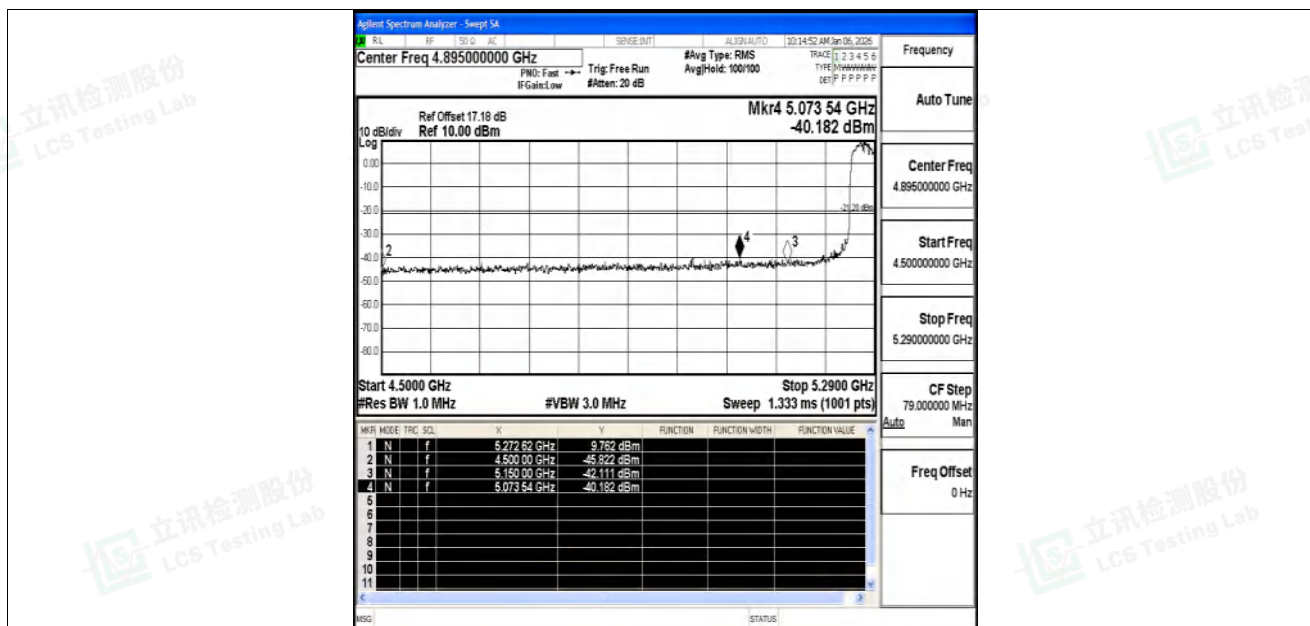


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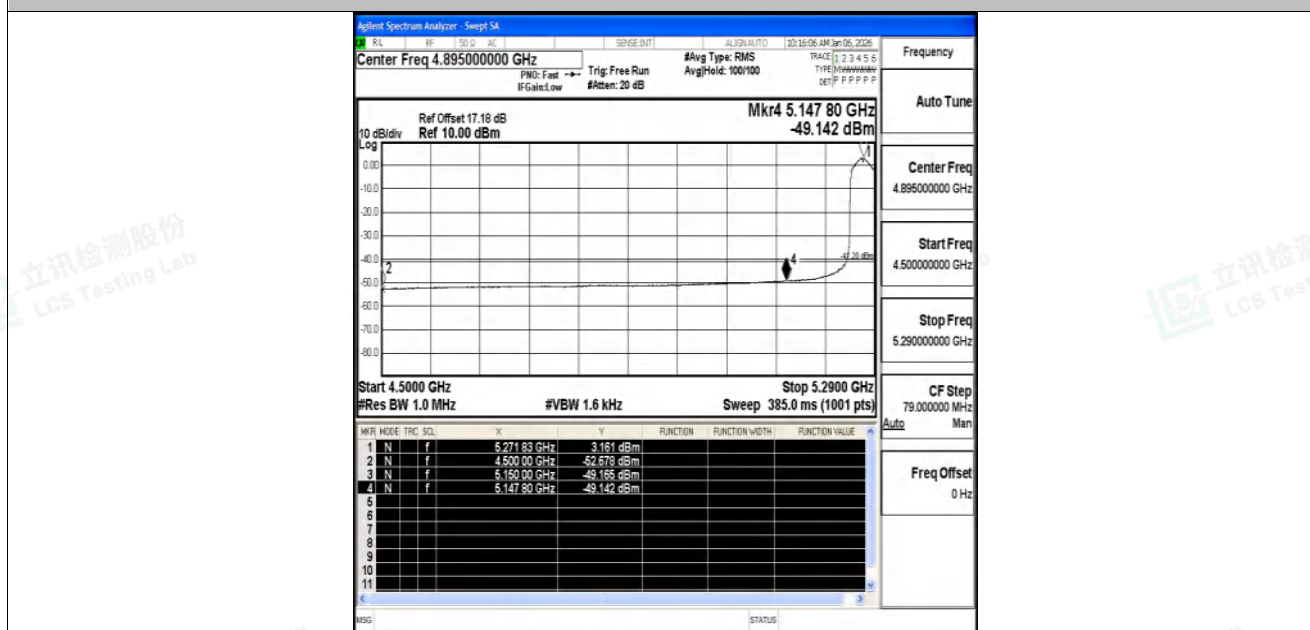
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11N40SISO-Ant1-5270-PASS



11N40SISO-Ant1-5270-PASS

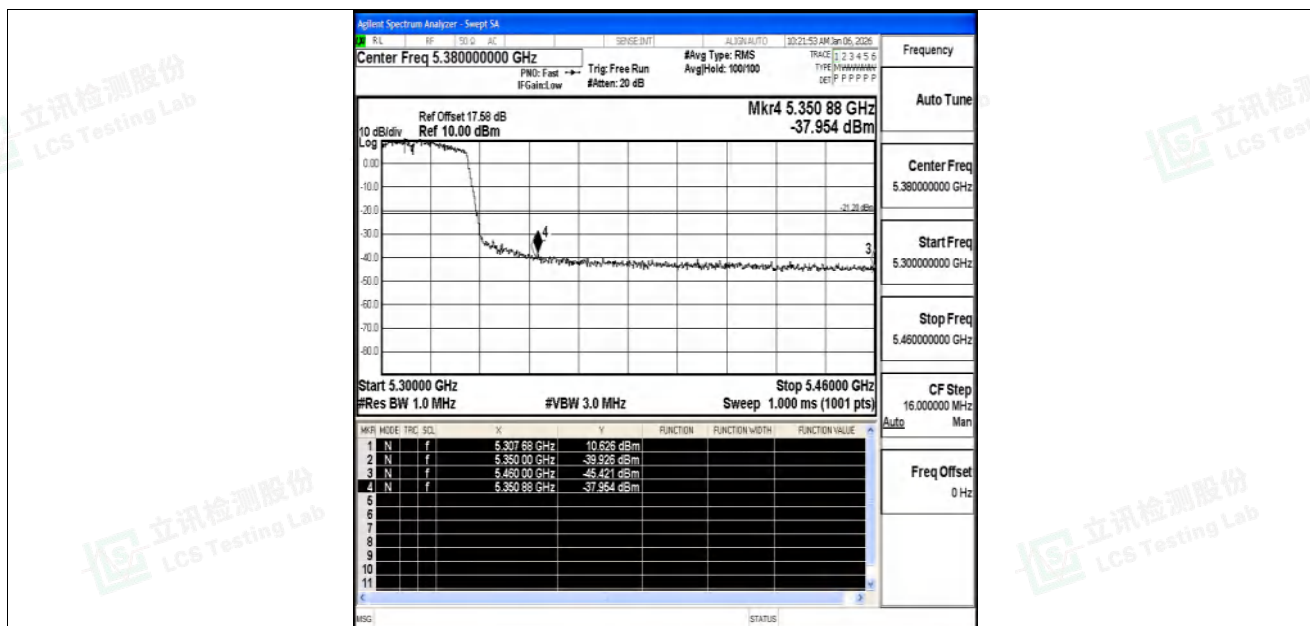


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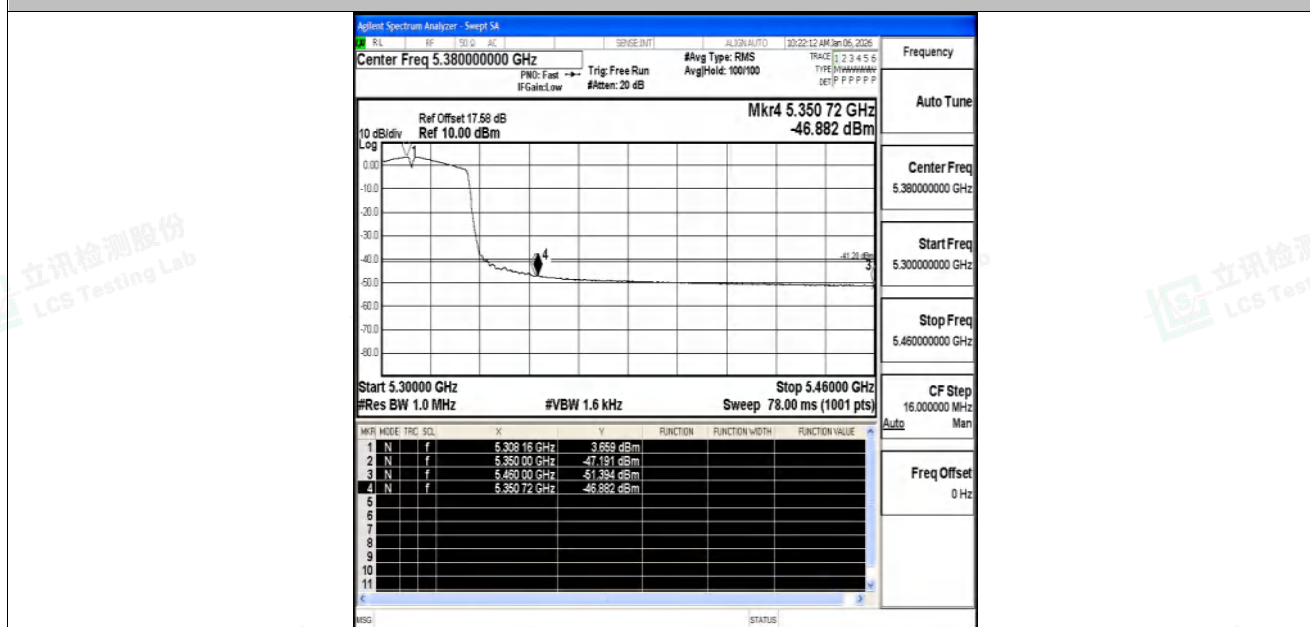
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11N40SISO-Ant1-5310-PASS



11N40SISO-Ant1-5310-PASS

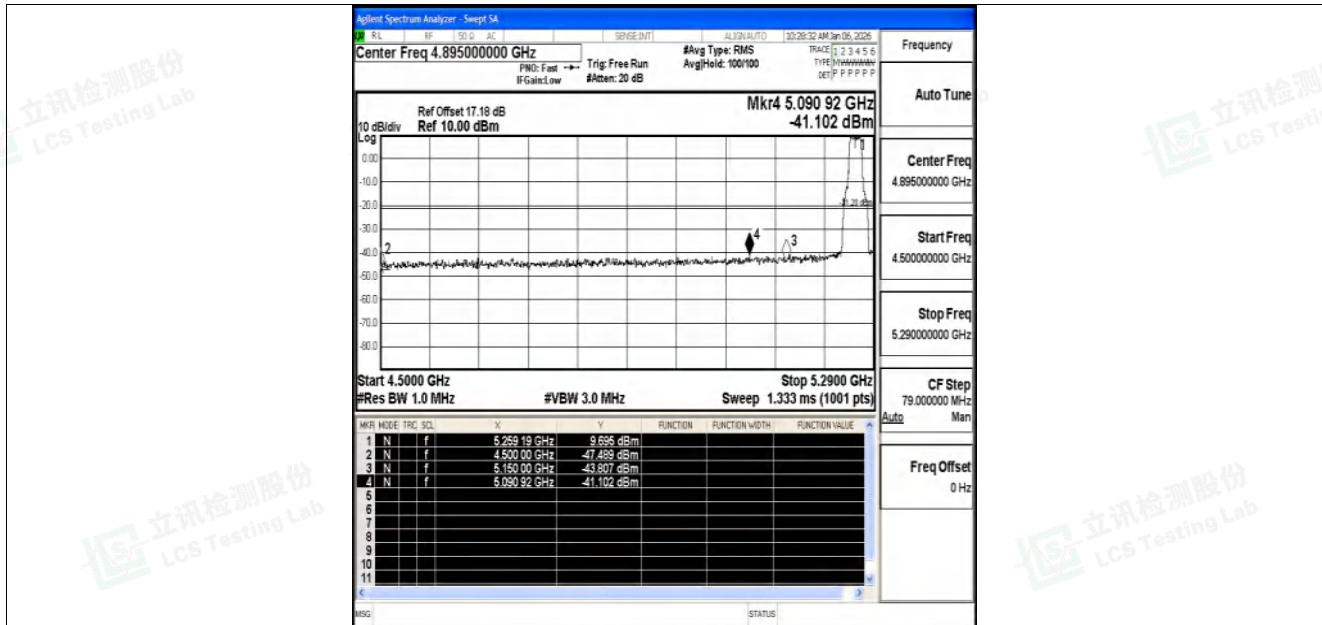


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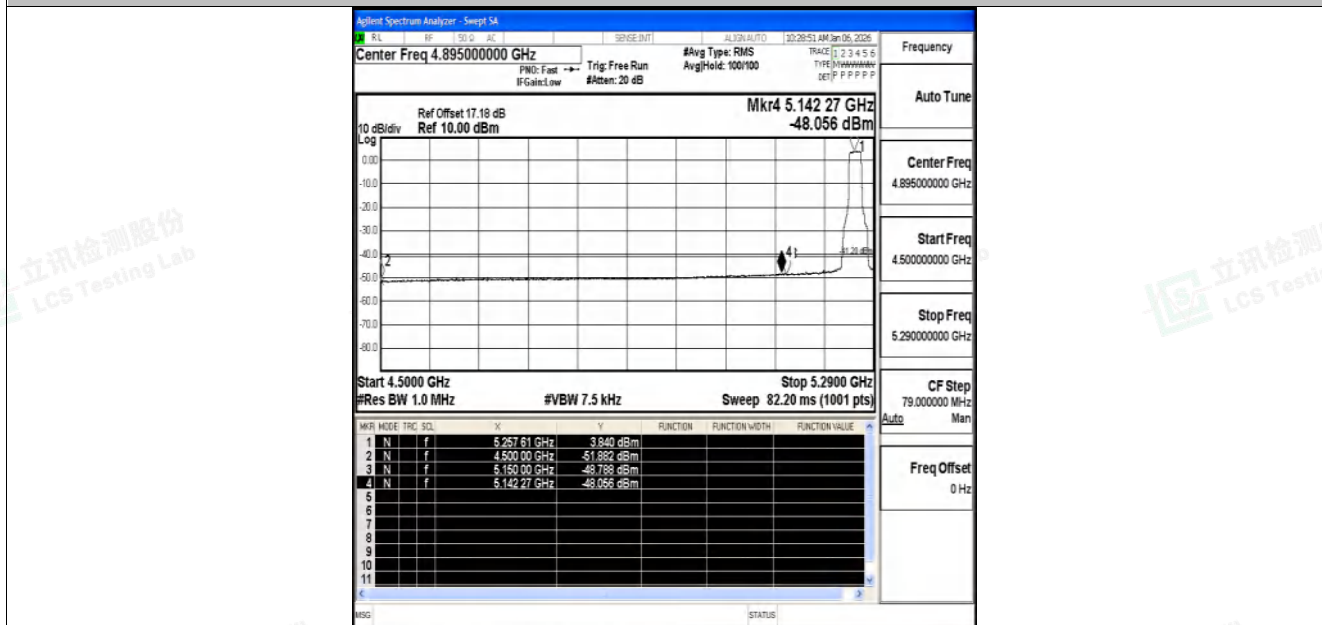
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11AC20SISO-Ant1-5260-PASS



11AC20SISO-Ant1-5260-PASS

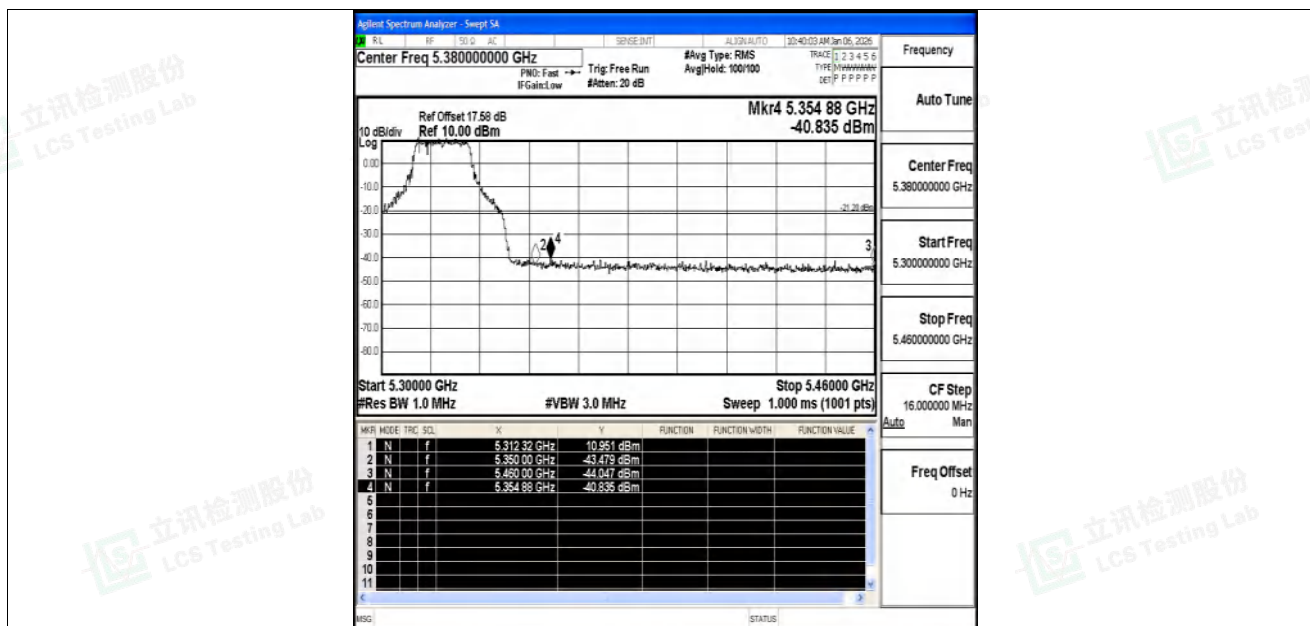


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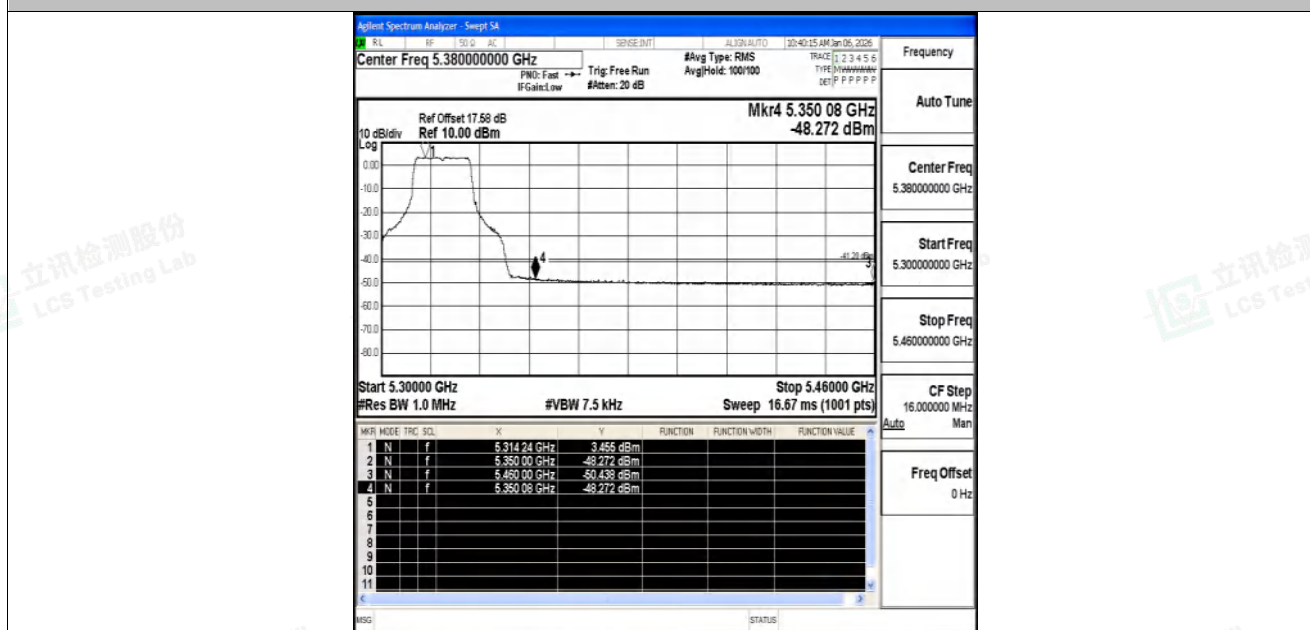
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11AC20SISO-Ant1-5320-PASS



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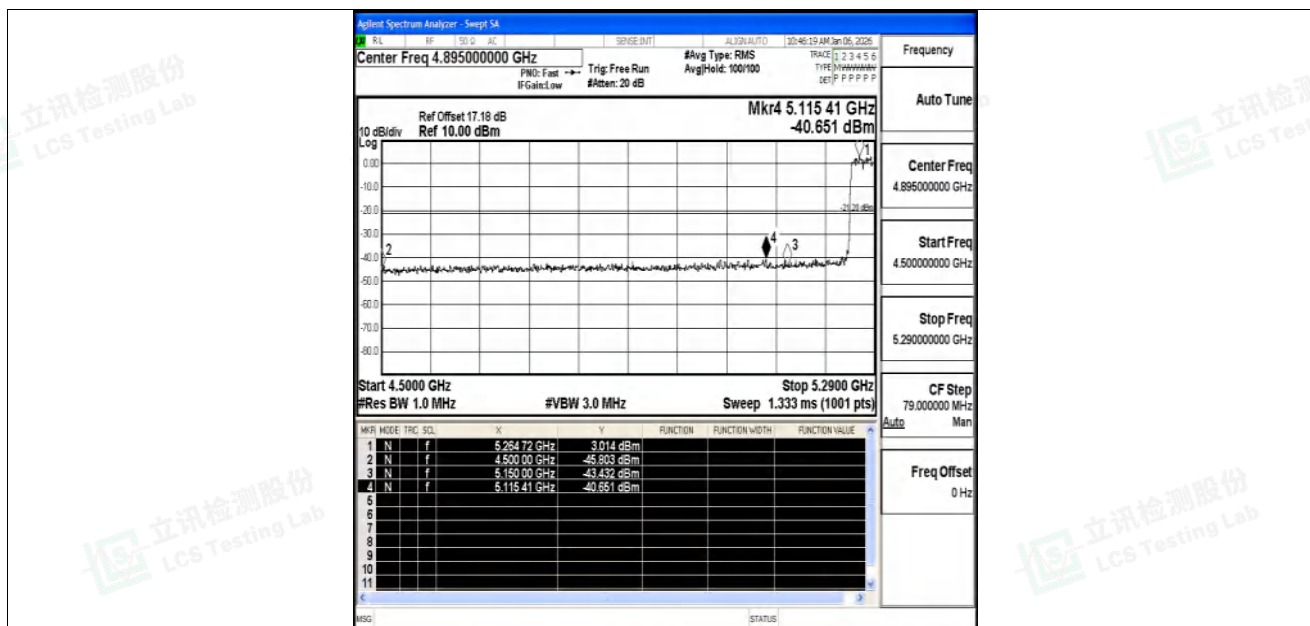


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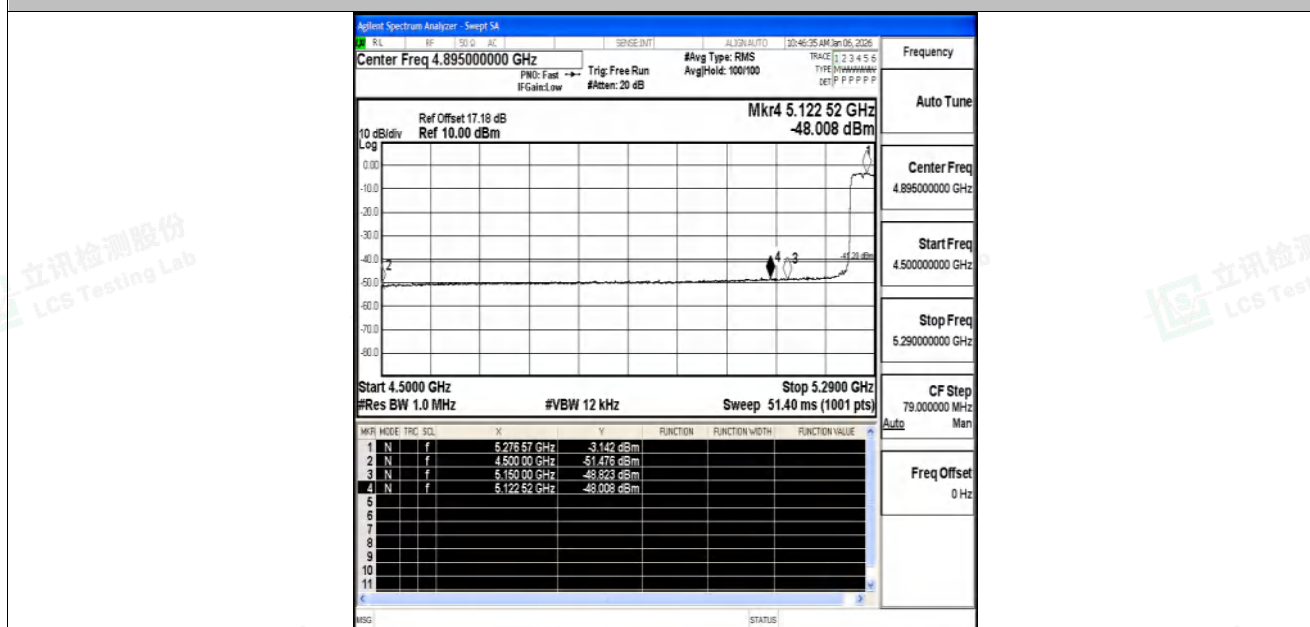
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11AC40SISO-Ant1-5270-PASS



11AC40SISO-Ant1-5270-PASS

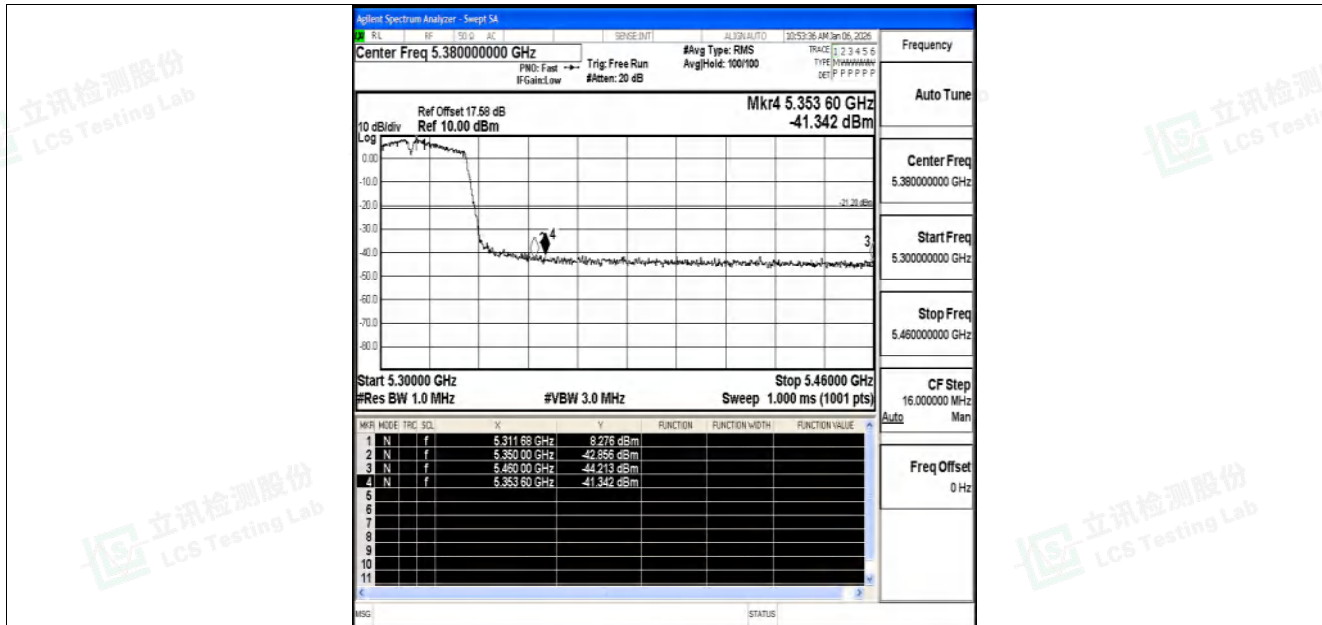


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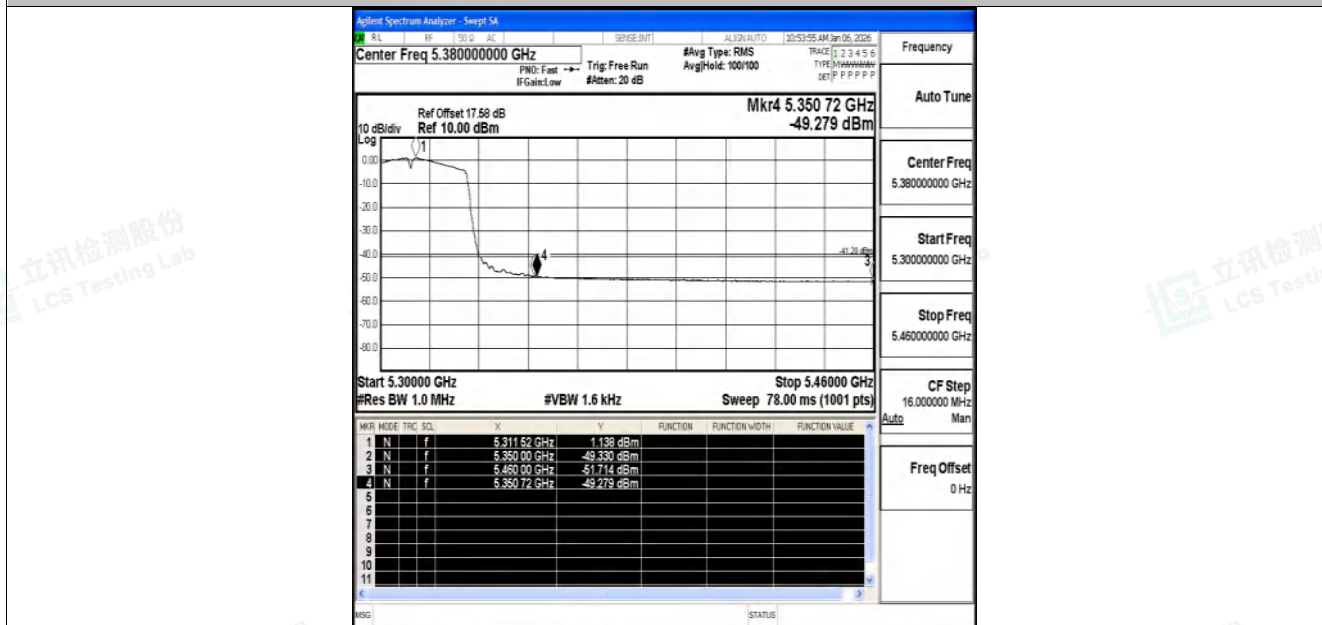
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11AC40SISO-Ant1-5310-PASS



11AC40SISO-Ant1-5310-PASS

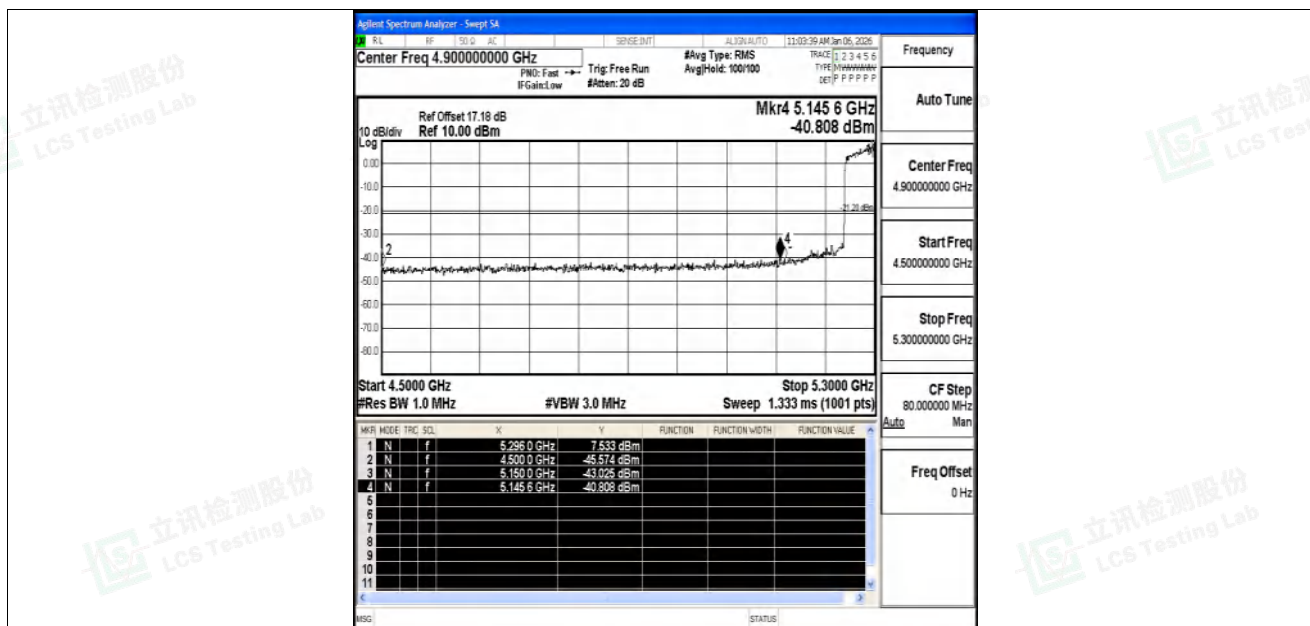


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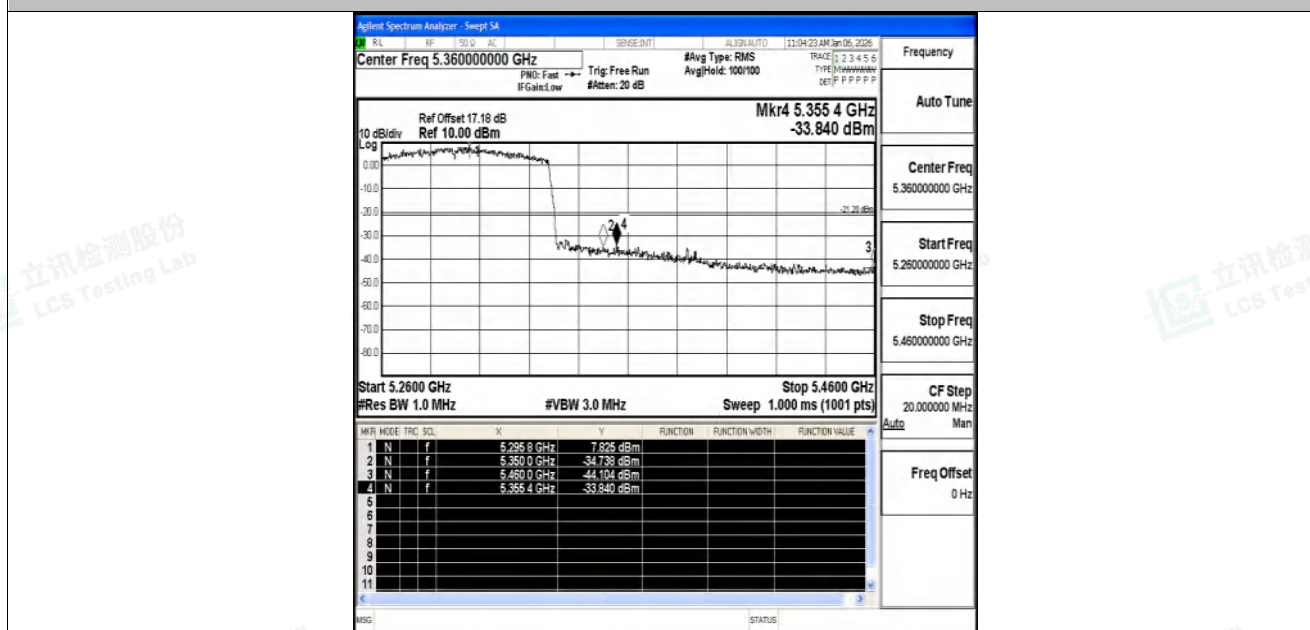
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11AC80SISO-Ant1-5290-PASS



11AC80SISO-Ant1-5290-PASS

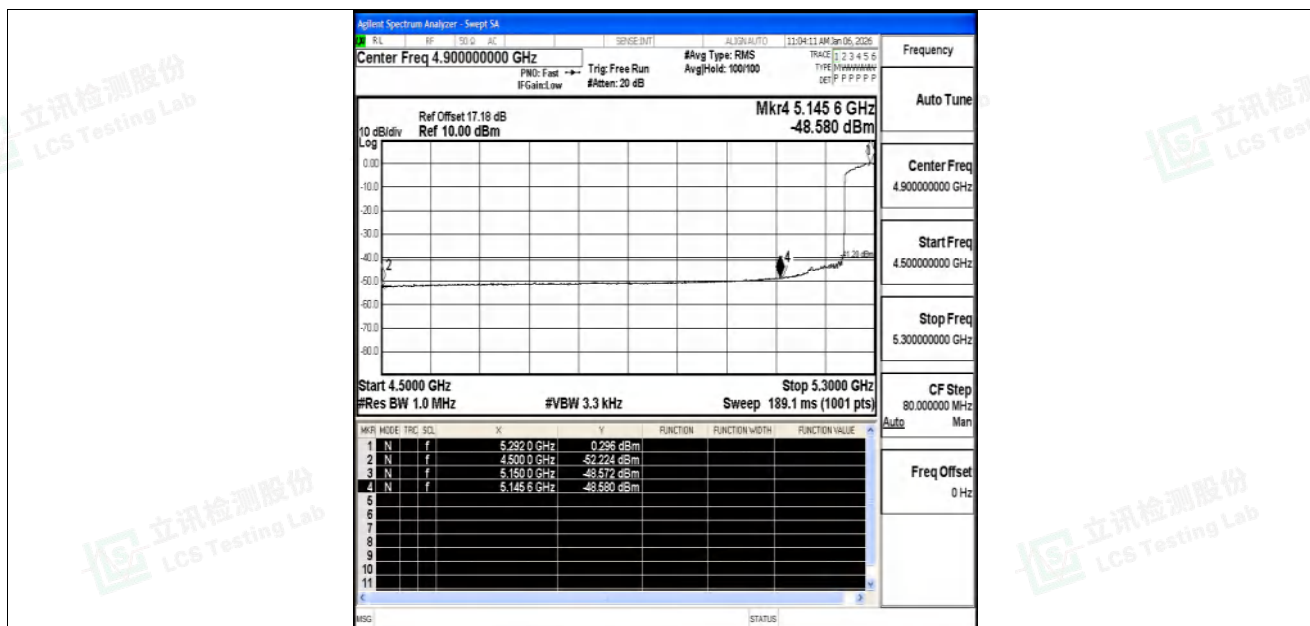


Shenzhen LCS Compliance Testing Laboratory Ltd.

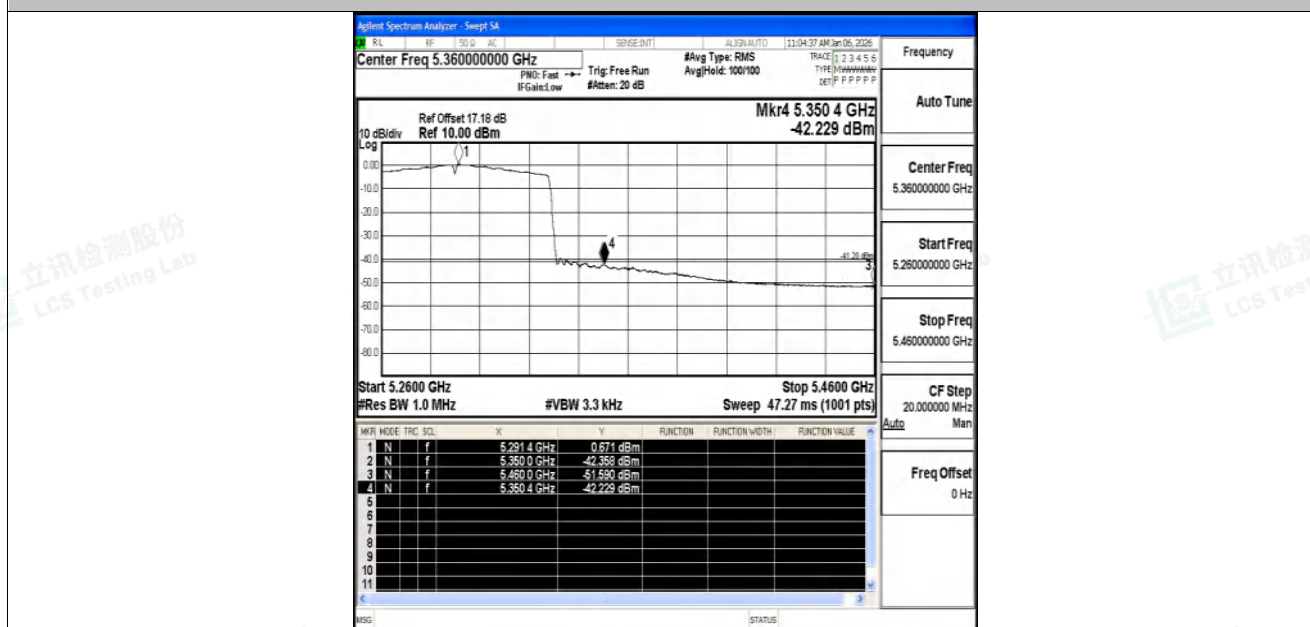
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11AC80SISO-Ant1-5290-PASS



11AC80SISO-Ant1-5290-PASS



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Test Result

TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant2	Low	5260	Peak	4500.000	-46.31	≤-21.20	48.89	≤74	PASS
11A	Ant2	Low	5260	Peak	5150.000	-42.13	≤-21.20	53.07	≤74	PASS
11A	Ant2	Low	5260	Peak	5140.690	-40.03	≤-21.20	55.17	≤74	PASS
11A	Ant2	Low	5260	AV	4500.000	-53.06	≤-41.20	42.14	≤54	PASS
11A	Ant2	Low	5260	AV	5150.000	-49.01	≤-41.20	46.19	≤54	PASS
11A	Ant2	Low	5260	AV	5148.590	-48.89	≤-41.20	46.31	≤54	PASS
11A	Ant2	High	5320	Peak	5350.000	-38.78	≤-21.20	56.42	≤74	PASS
11A	Ant2	High	5320	Peak	5460.000	-42.89	≤-21.20	52.31	≤74	PASS
11A	Ant2	High	5320	Peak	5350.080	-38.78	≤-21.20	56.42	≤74	PASS
11A	Ant2	High	5320	AV	5350.000	-48.07	≤-41.20	47.13	≤54	PASS
11A	Ant2	High	5320	AV	5460.000	-51.21	≤-41.20	43.99	≤54	PASS
11A	Ant2	High	5320	AV	5350.080	-48.07	≤-41.20	47.13	≤54	PASS
11N20SISO	Ant2	Low	5260	Peak	4500.000	-45.32	≤-21.20	49.88	≤74	PASS
11N20SISO	Ant2	Low	5260	Peak	5150.000	-41.04	≤-21.20	54.16	≤74	PASS
11N20SISO	Ant2	Low	5260	Peak	5144.640	-41.09	≤-21.20	54.11	≤74	PASS
11N20SISO	Ant2	Low	5260	AV	4500.000	-52.92	≤-41.20	42.28	≤54	PASS
11N20SISO	Ant2	Low	5260	AV	5150.000	-48.96	≤-41.20	46.24	≤54	PASS
11N20SISO	Ant2	Low	5260	AV	5149.380	-48.94	≤-41.20	46.26	≤54	PASS
11N20SISO	Ant2	High	5320	Peak	5350.000	-42.36	≤-21.20	52.84	≤74	PASS
11N20SISO	Ant2	High	5320	Peak	5460.000	-42.7	≤-21.20	52.50	≤74	PASS
11N20SISO	Ant2	High	5320	Peak	5350.720	-39.19	≤-21.20	56.01	≤74	PASS
11N20SISO	Ant2	High	5320	AV	5350.000	-48.14	≤-41.20	47.06	≤54	PASS
11N20SISO	Ant2	High	5320	AV	5460.000	-51.16	≤-41.20	44.04	≤54	PASS
11N20SISO	Ant2	High	5320	AV	5350.400	-47.95	≤-41.20	47.25	≤54	PASS
11N40SISO	Ant2	Low	5270	Peak	4500.000	-46.08	≤-21.20	49.12	≤74	PASS
11N40SISO	Ant2	Low	5270	Peak	5150.000	-42.08	≤-21.20	53.12	≤74	PASS
11N40SISO	Ant2	Low	5270	Peak	4879.990	-40.81	≤-21.20	54.39	≤74	PASS
11N40SISO	Ant2	Low	5270	AV	4500.000	-52.76	≤-41.20	42.44	≤54	PASS
11N40SISO	Ant2	Low	5270	AV	5150.000	-49.15	≤-41.20	46.05	≤54	PASS
11N40SISO	Ant2	Low	5270	AV	5143.060	-49.16	≤-41.20	46.04	≤54	PASS
11N40SISO	Ant2	High	5310	Peak	5350.000	-39.52	≤-21.20	55.68	≤74	PASS
11N40SISO	Ant2	High	5310	Peak	5460.000	-45.18	≤-21.20	50.02	≤74	PASS
11N40SISO	Ant2	High	5310	Peak	5351.040	-37.31	≤-21.20	57.89	≤74	PASS
11N40SISO	Ant2	High	5310	AV	5350.000	-47.06	≤-41.20	48.14	≤54	PASS
11N40SISO	Ant2	High	5310	AV	5460.000	-51.07	≤-41.20	44.13	≤54	PASS
11N40SISO	Ant2	High	5310	AV	5350.080	-47.06	≤-41.20	48.14	≤54	PASS
11AC20SISO	Ant2	Low	5260	Peak	4500.000	-45.48	≤-21.20	49.72	≤74	PASS
11AC20SISO	Ant2	Low	5260	Peak	5150.000	-43.2	≤-21.20	52.00	≤74	PASS



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11AC20SISO	Ant2	Low	5260	Peak	5098.030	-41.07	≤-21.20	54.13	≤74	PASS
11AC20SISO	Ant2	Low	5260	AV	4500.000	-51.39	≤-41.20	43.81	≤54	PASS
11AC20SISO	Ant2	Low	5260	AV	5150.000	-48.29	≤-41.20	46.91	≤54	PASS
11AC20SISO	Ant2	Low	5260	AV	5137.530	-48.04	≤-41.20	47.16	≤54	PASS
11AC20SISO	Ant2	High	5320	Peak	5350.000	-41.7	≤-21.20	53.50	≤74	PASS
11AC20SISO	Ant2	High	5320	Peak	5460.000	-43.39	≤-21.20	51.81	≤74	PASS
11AC20SISO	Ant2	High	5320	Peak	5360.160	-39.31	≤-21.20	55.89	≤74	PASS
11AC20SISO	Ant2	High	5320	AV	5350.000	-48.27	≤-41.20	46.93	≤54	PASS
11AC20SISO	Ant2	High	5320	AV	5460.000	-50.29	≤-41.20	44.91	≤54	PASS
11AC20SISO	Ant2	High	5320	AV	5350.240	-48.16	≤-41.20	47.04	≤54	PASS
11AC40SISO	Ant2	Low	5270	Peak	4500.000	-45.69	≤-21.20	49.51	≤74	PASS
11AC40SISO	Ant2	Low	5270	Peak	5150.000	-42.8	≤-21.20	52.40	≤74	PASS
11AC40SISO	Ant2	Low	5270	Peak	5105.140	-40.05	≤-21.20	55.15	≤74	PASS
11AC40SISO	Ant2	Low	5270	AV	4500.000	-52.73	≤-41.20	42.47	≤54	PASS
11AC40SISO	Ant2	Low	5270	AV	5150.000	-49.17	≤-41.20	46.03	≤54	PASS
11AC40SISO	Ant2	Low	5270	AV	5147.800	-48.9	≤-41.20	46.30	≤54	PASS
11AC40SISO	Ant2	High	5310	Peak	5350.000	-39.7	≤-21.20	55.50	≤74	PASS
11AC40SISO	Ant2	High	5310	Peak	5460.000	-45.49	≤-21.20	49.71	≤74	PASS
11AC40SISO	Ant2	High	5310	Peak	5350.240	-39.01	≤-21.20	56.19	≤74	PASS
11AC40SISO	Ant2	High	5310	AV	5350.000	-47.28	≤-41.20	47.92	≤54	PASS
11AC40SISO	Ant2	High	5310	AV	5460.000	-50.99	≤-41.20	44.21	≤54	PASS
11AC40SISO	Ant2	High	5310	AV	5350.240	-47.25	≤-41.20	47.95	≤54	PASS
11AC80SISO	Ant2	Low	5290	Peak	4500.000	-44.25	≤-21.20	50.95	≤74	PASS
11AC80SISO	Ant2	Low	5290	Peak	5150.000	-42.71	≤-21.20	52.49	≤74	PASS
11AC80SISO	Ant2	Low	5290	Peak	5148.000	-40.26	≤-21.20	54.94	≤74	PASS
11AC80SISO	Ant2	High	5290	Peak	5350.000	-34.63	≤-21.20	60.57	≤74	PASS
11AC80SISO	Ant2	High	5290	Peak	5460.000	-45.84	≤-21.20	49.36	≤74	PASS
11AC80SISO	Ant2	High	5290	Peak	5356.000	-33.87	≤-21.20	61.33	≤74	PASS
11AC80SISO	Ant2	Low	5290	AV	4500.000	-52.09	≤-41.20	43.11	≤54	PASS
11AC80SISO	Ant2	Low	5290	AV	5150.000	-48.42	≤-41.20	46.78	≤54	PASS
11AC80SISO	Ant2	Low	5290	AV	5145.600	-48.33	≤-41.20	46.87	≤54	PASS
11AC80SISO	Ant2	High	5290	AV	5350.000	-41.9	≤-41.20	53.30	≤54	PASS
11AC80SISO	Ant2	High	5290	AV	5460.000	-51.48	≤-41.20	43.72	≤54	PASS
11AC80SISO	Ant2	High	5290	AV	5350.400	-41.87	≤-41.20	53.33	≤54	PASS

Note:

- The Antenna Gain is compensated in the graph.
- 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.



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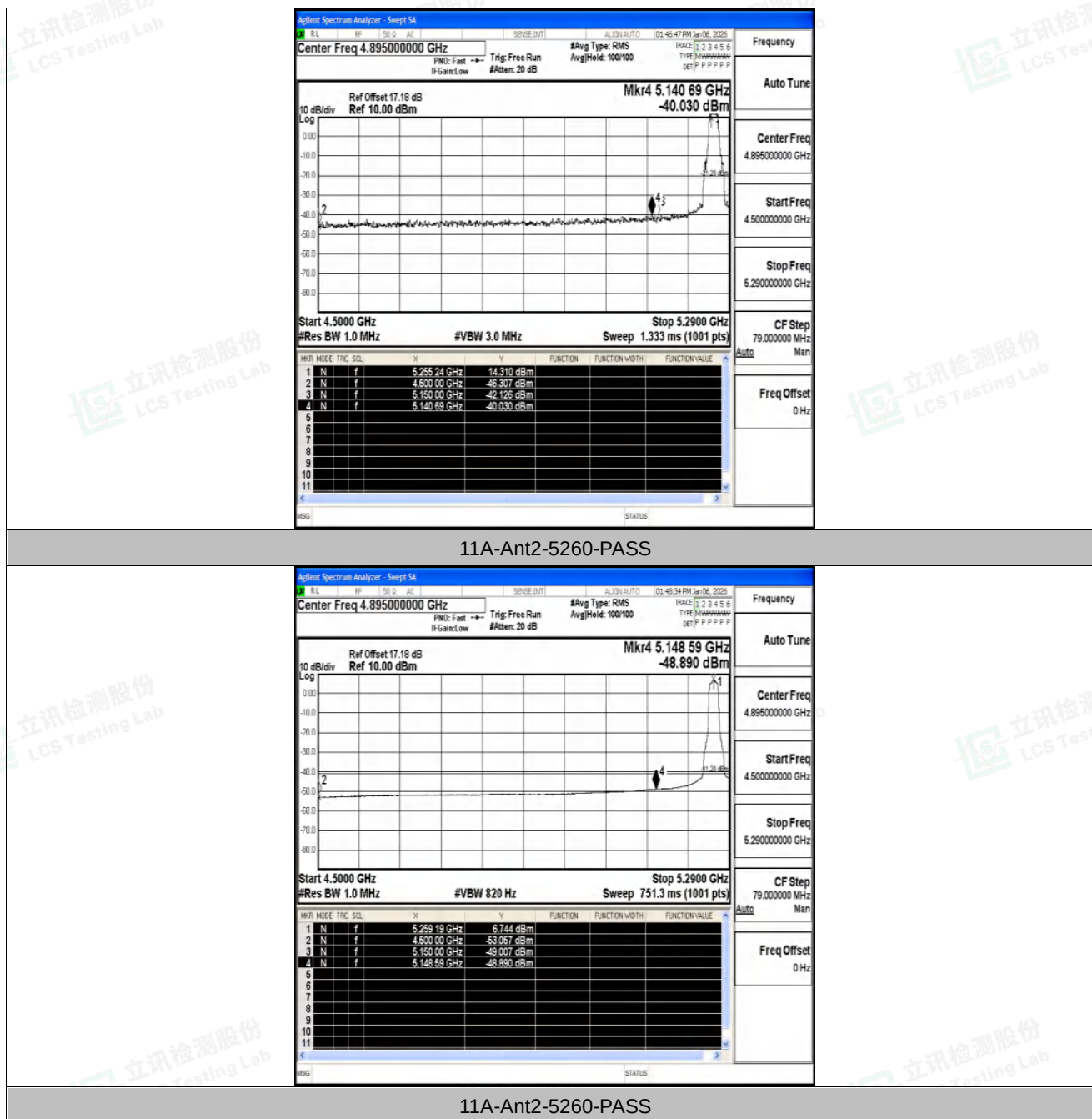
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Test Graphs

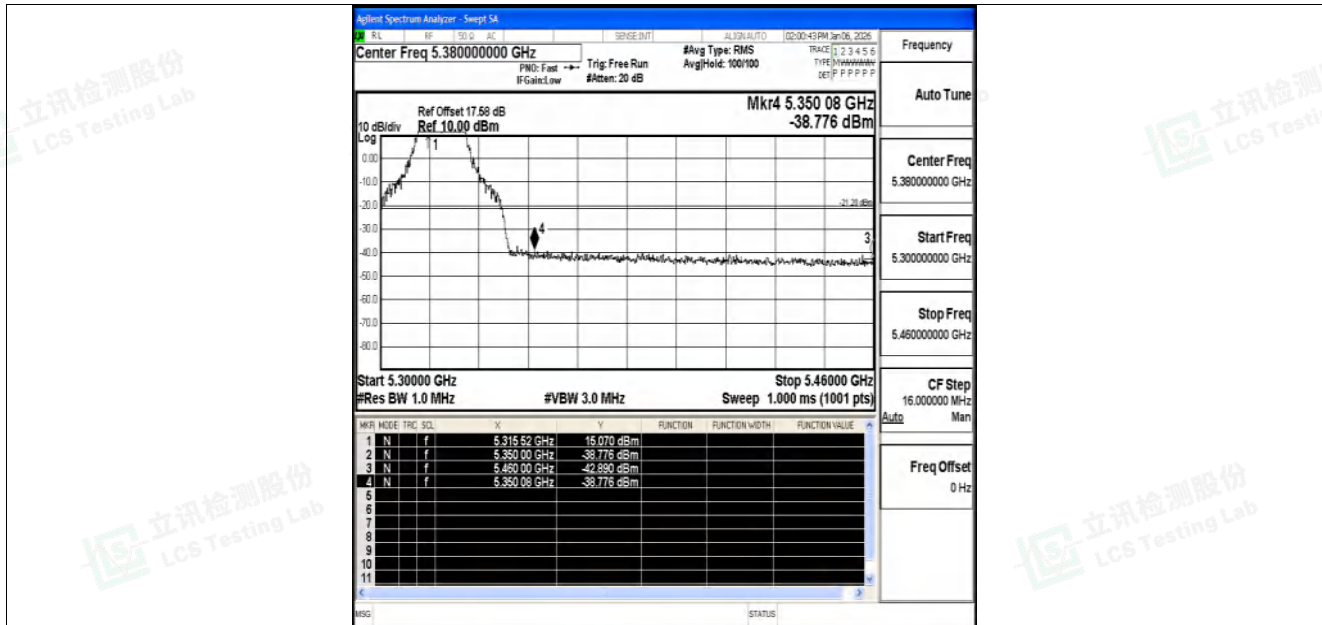


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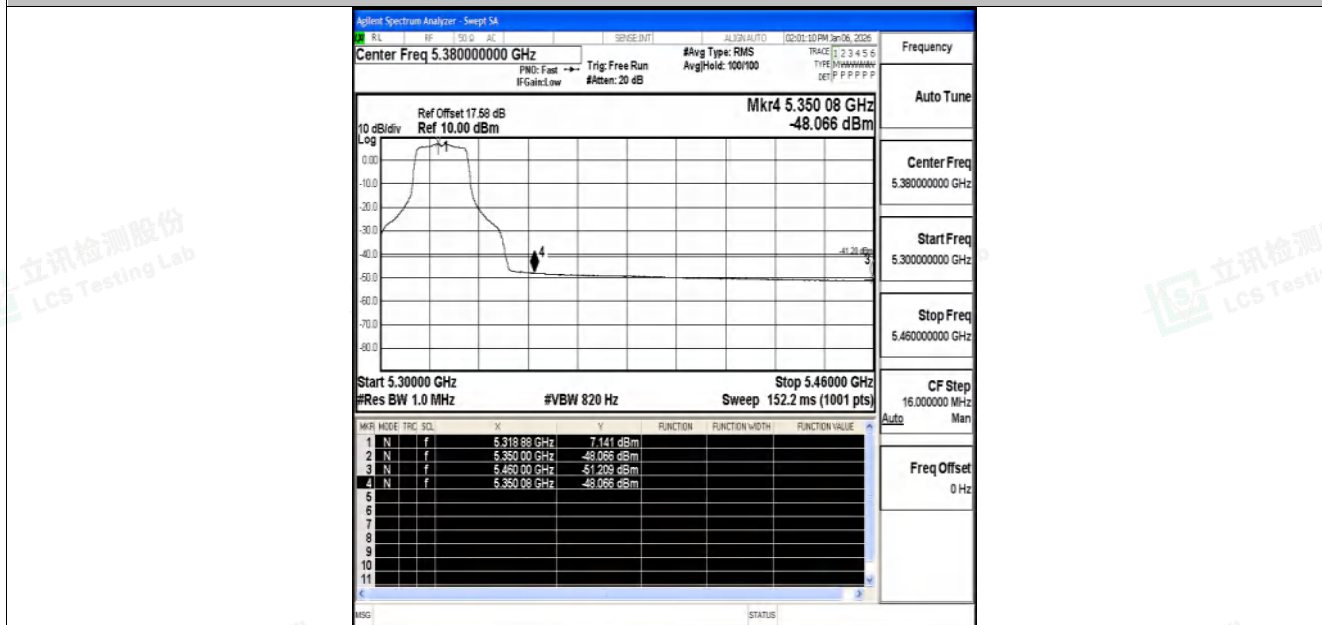
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11A-Ant2-5320-PASS



11A-Ant2-5320-PASS

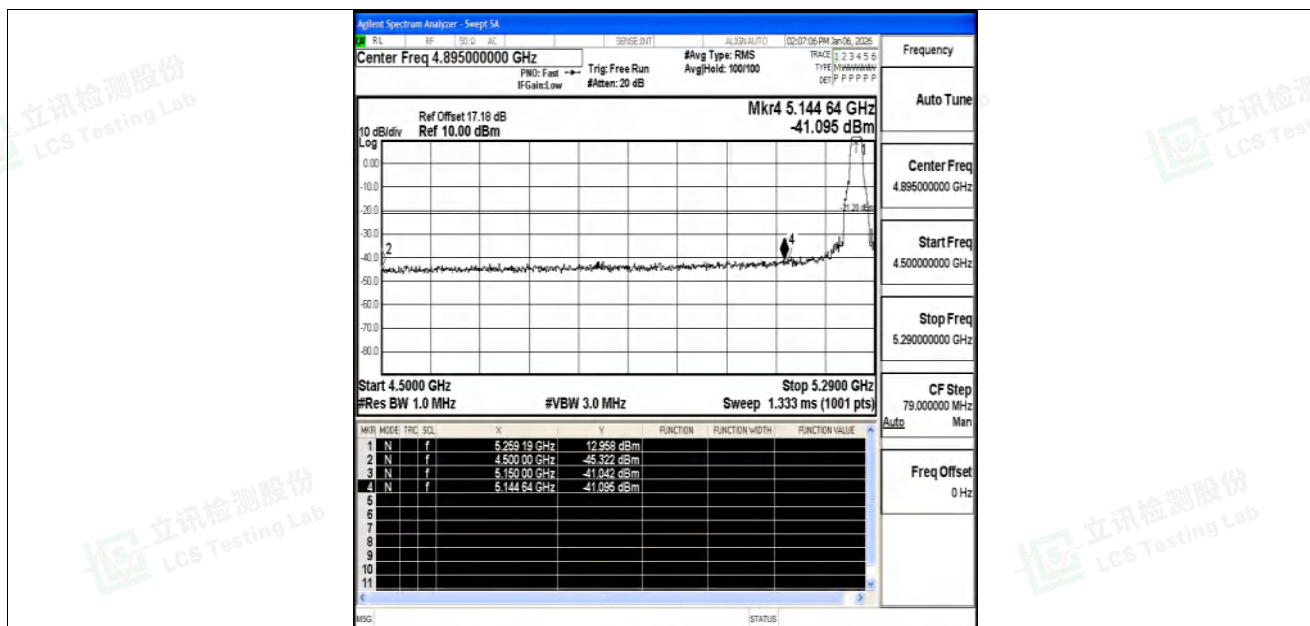


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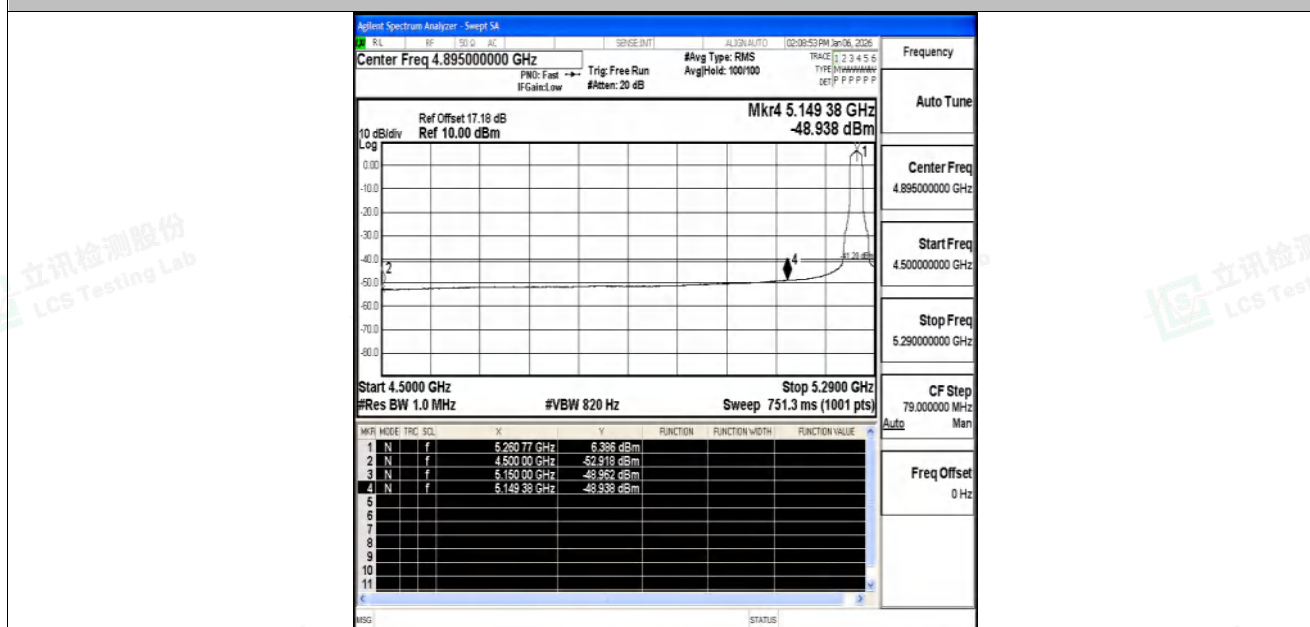
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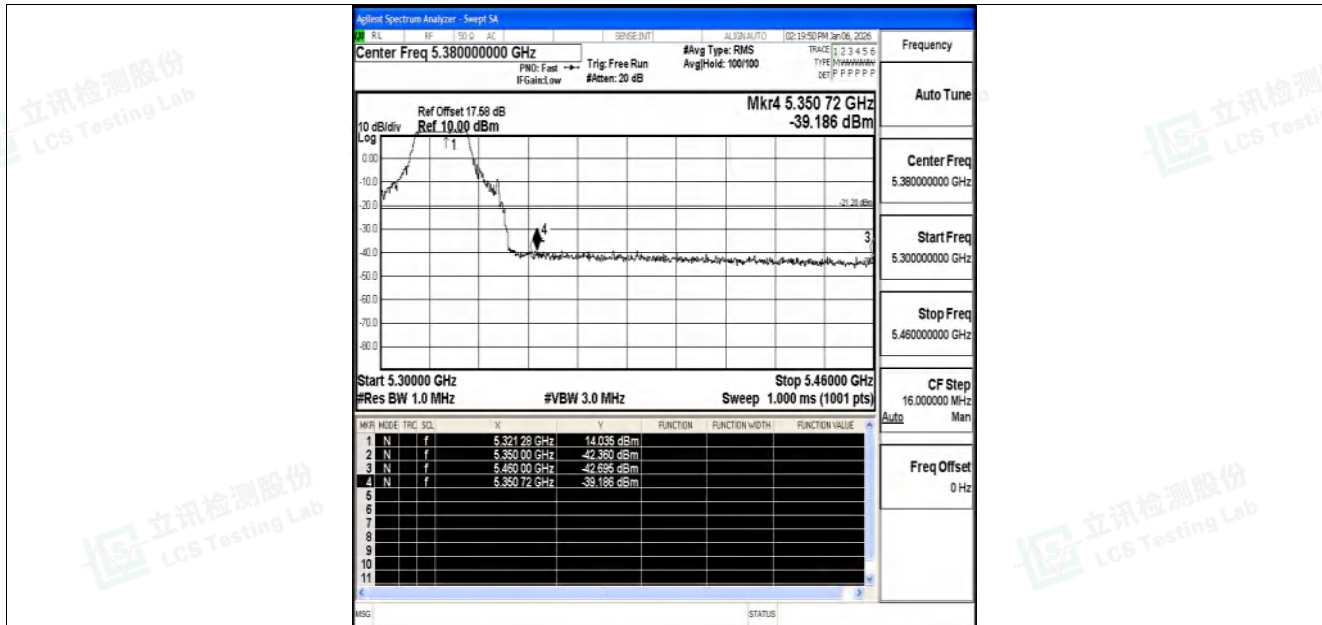


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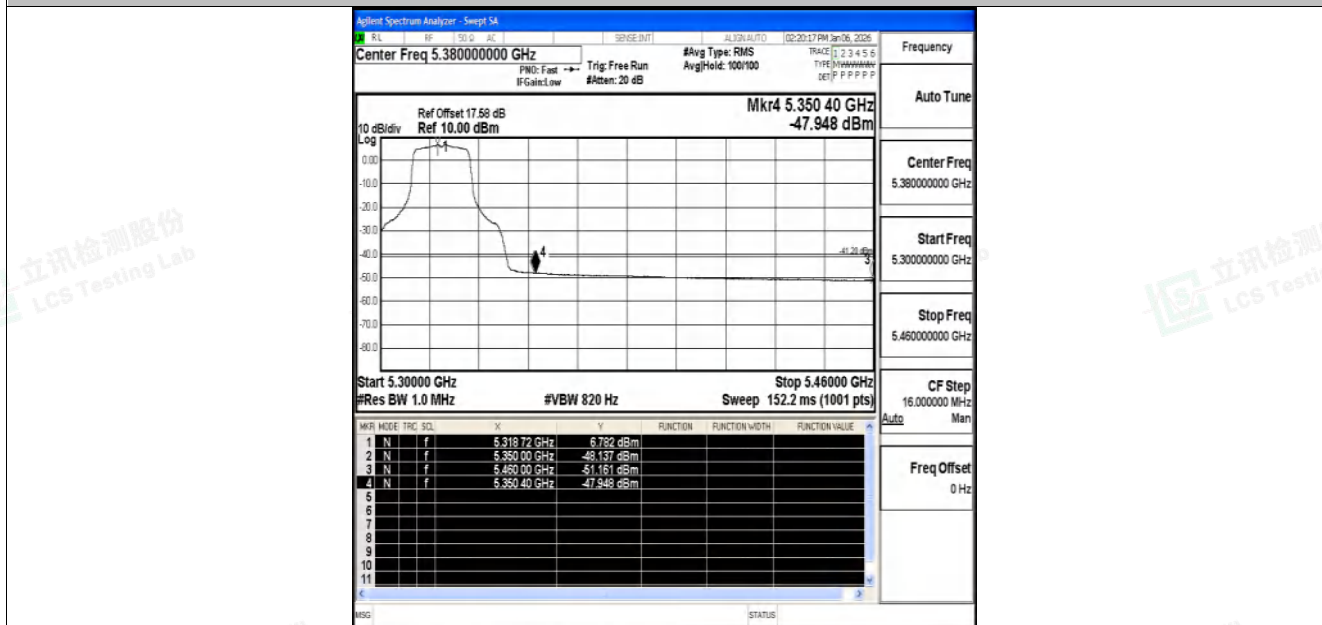
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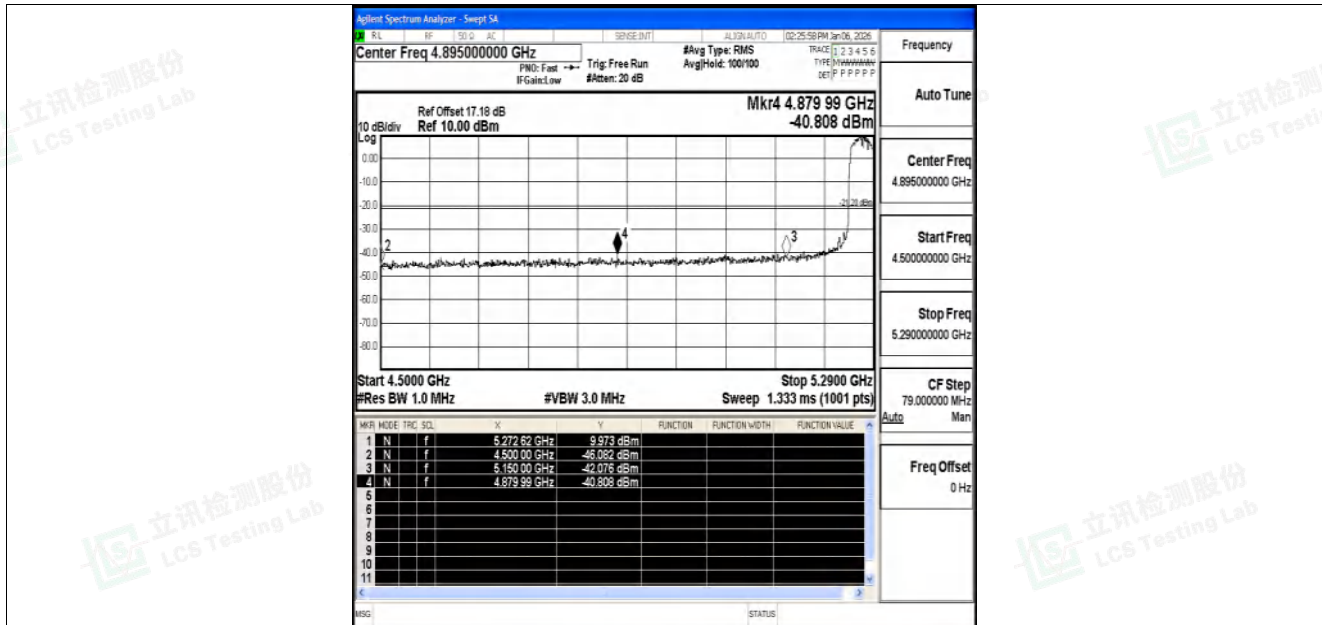


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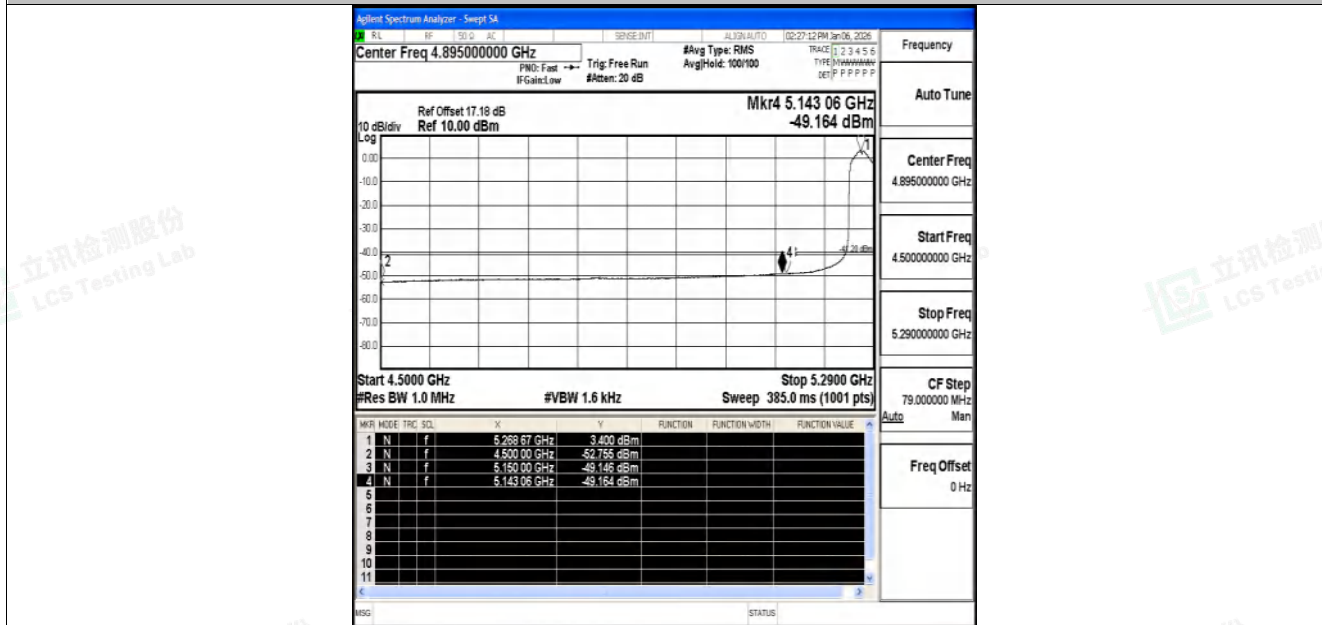
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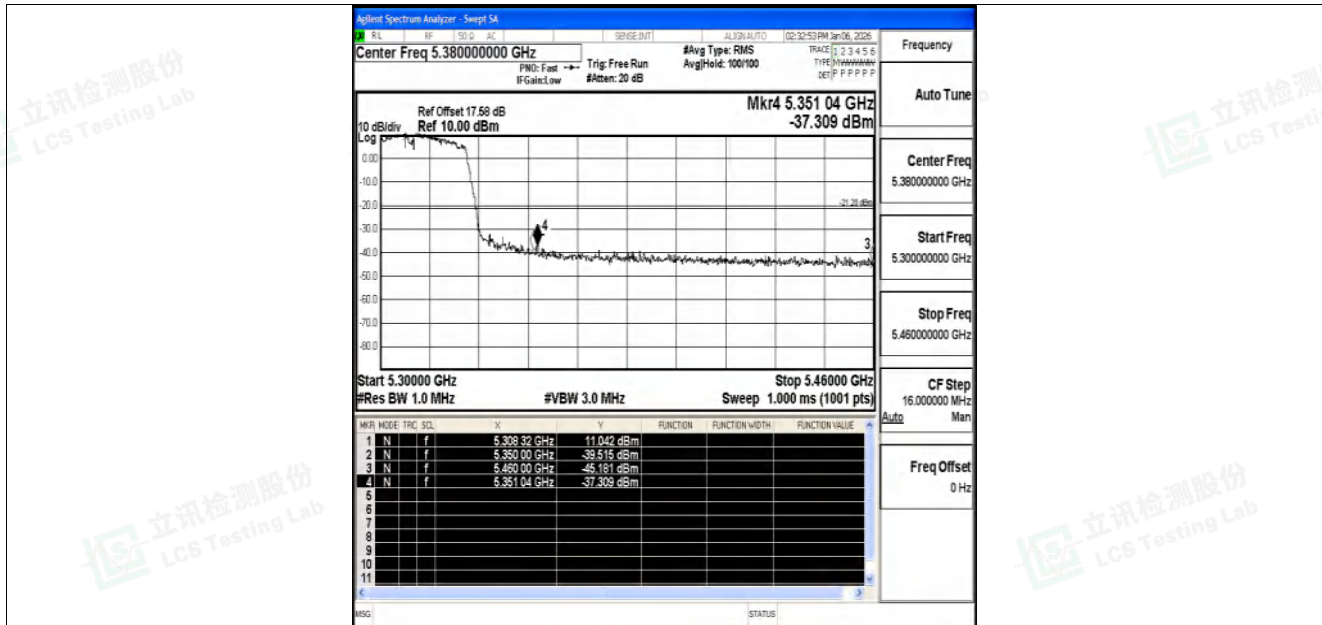


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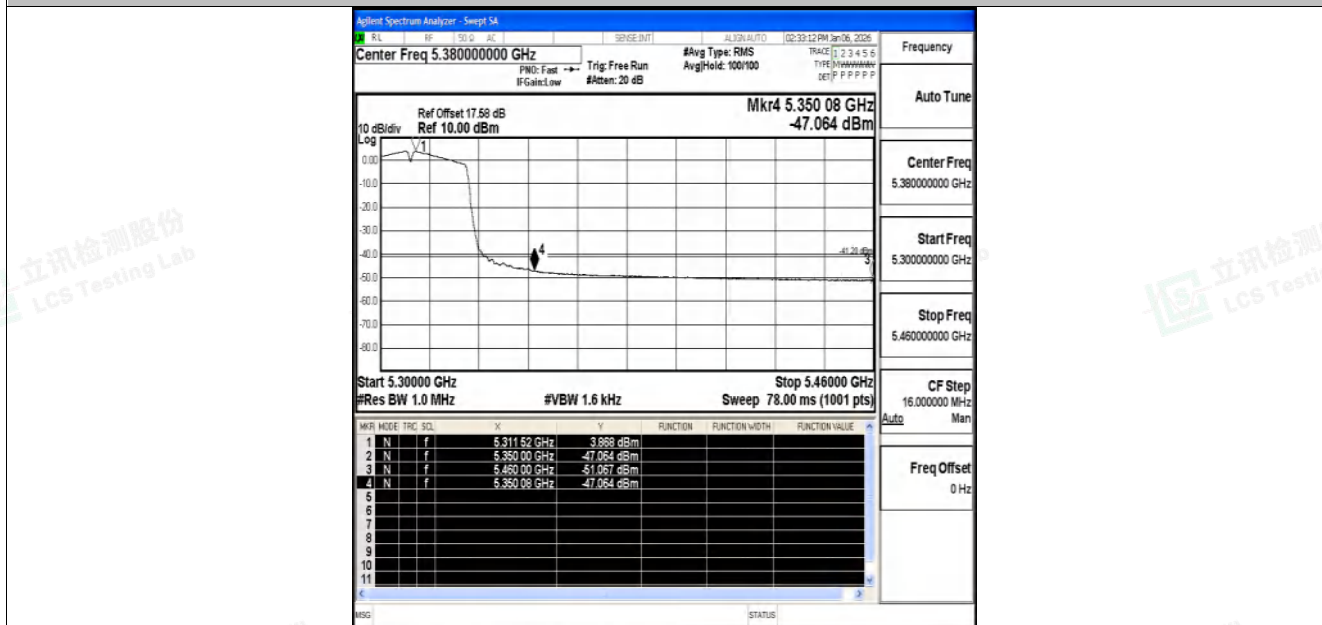
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11N40SISO-Ant2-5310-PASS



11N40SISO-Ant2-5310-PASS

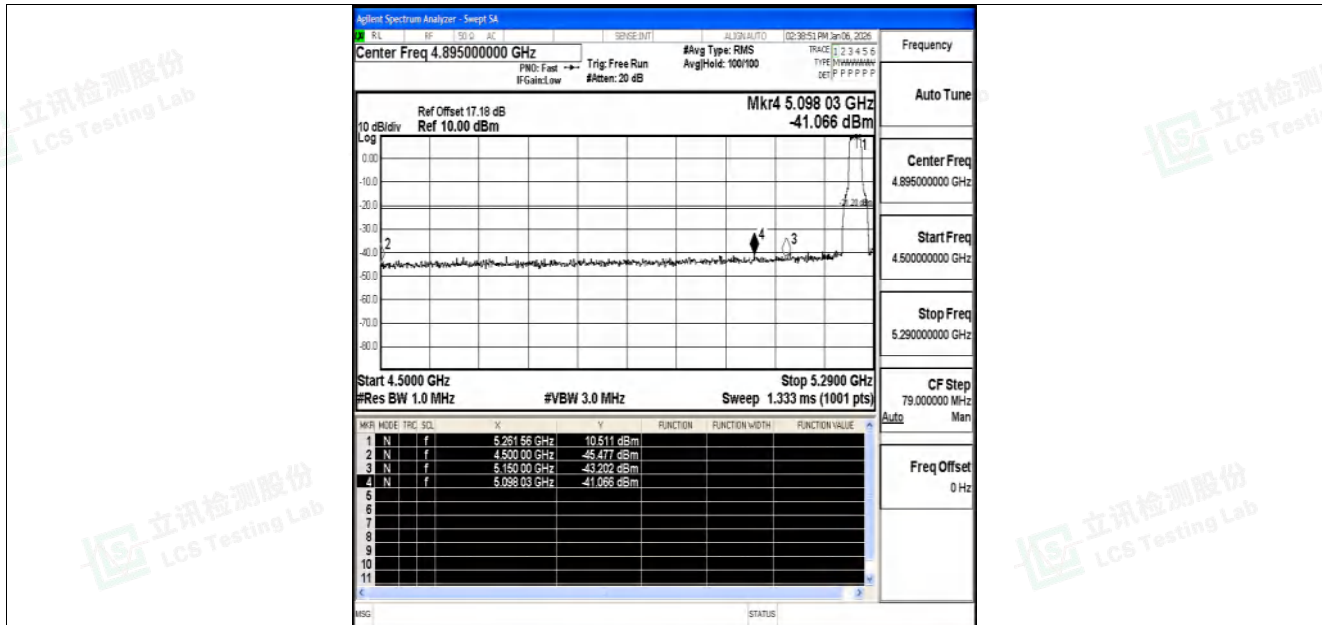


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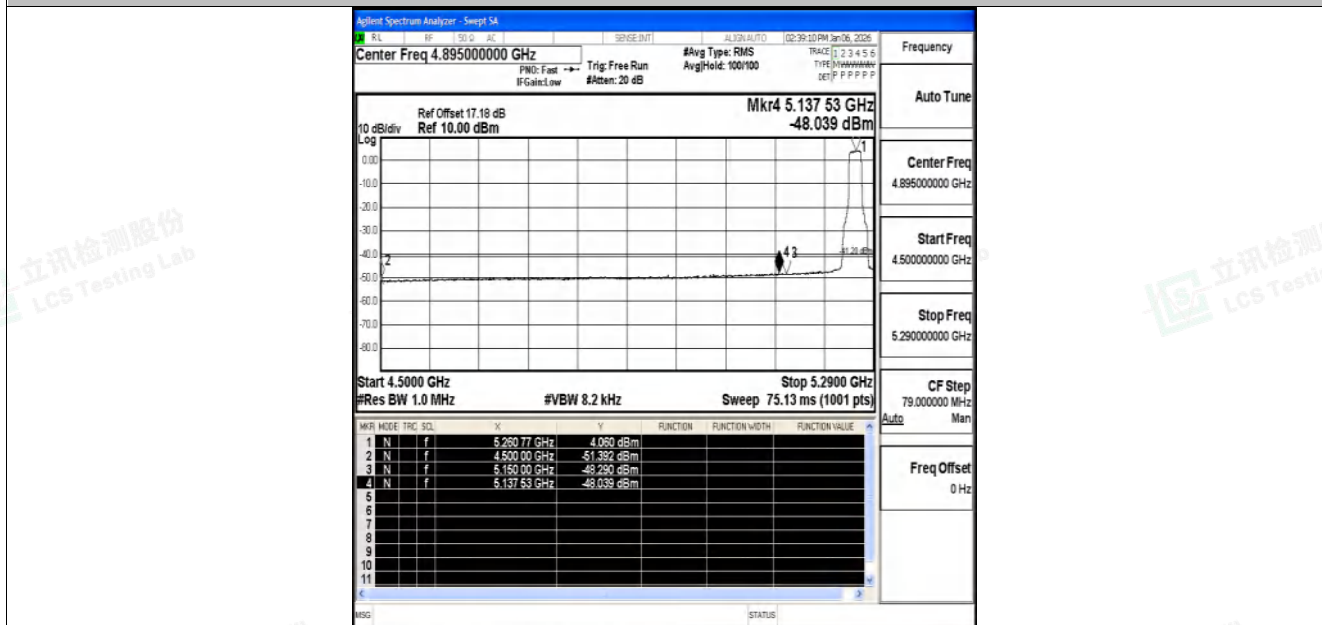
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11AC20SISO-Ant2-5260-PASS



11AC20SISO-Ant2-5260-PASS

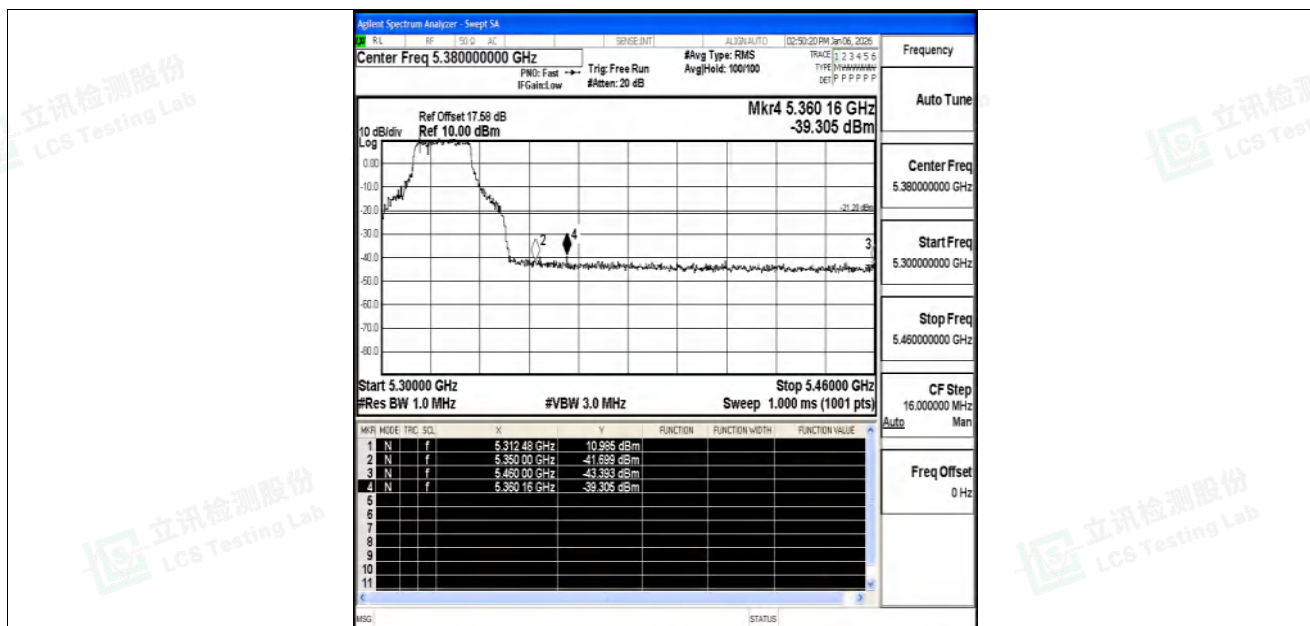


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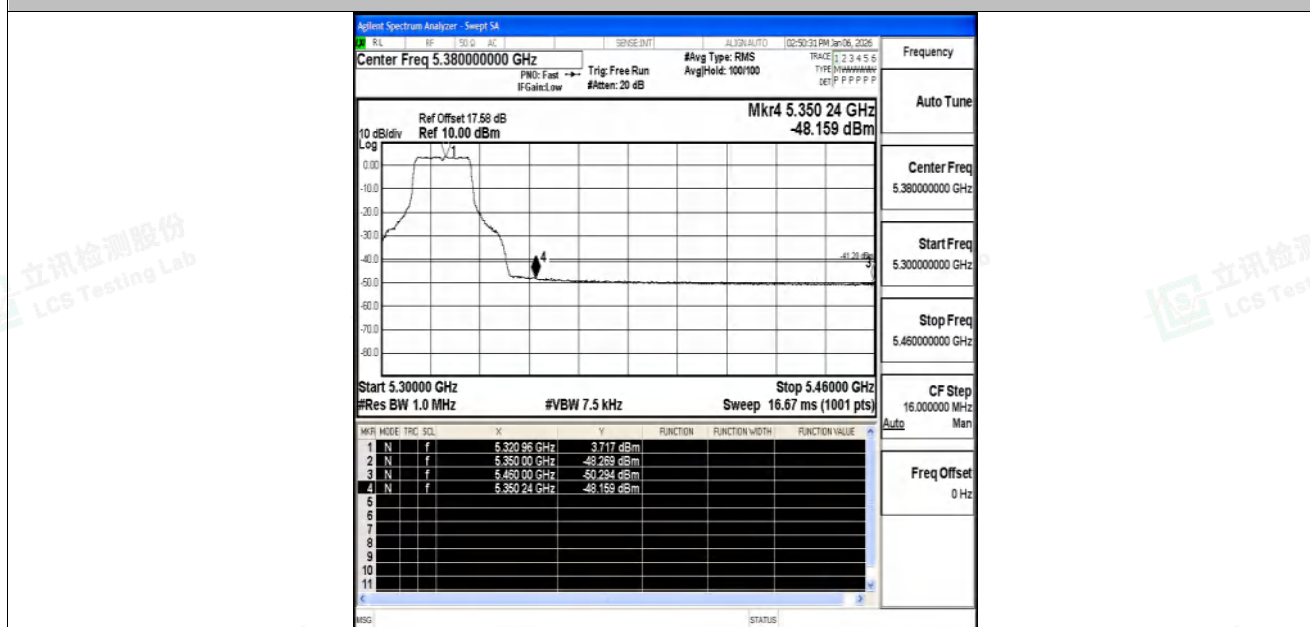
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11AC20SISO-Ant2-5320-PASS



11AC20SISO-Ant2-5320-PASS

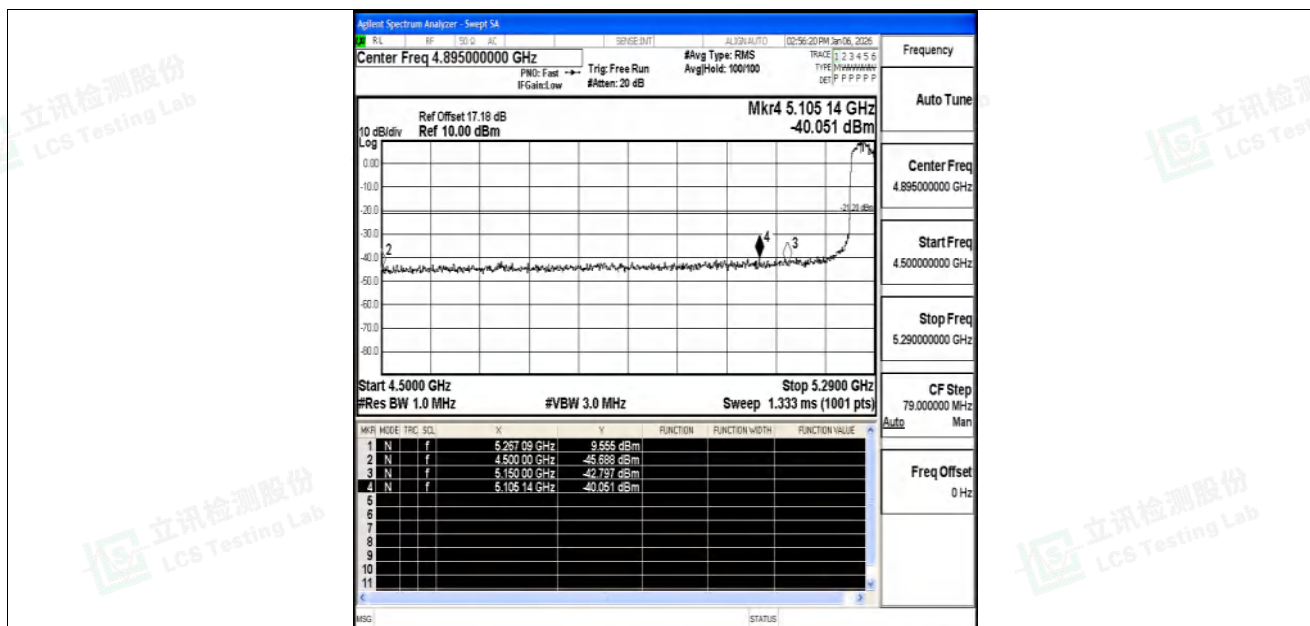


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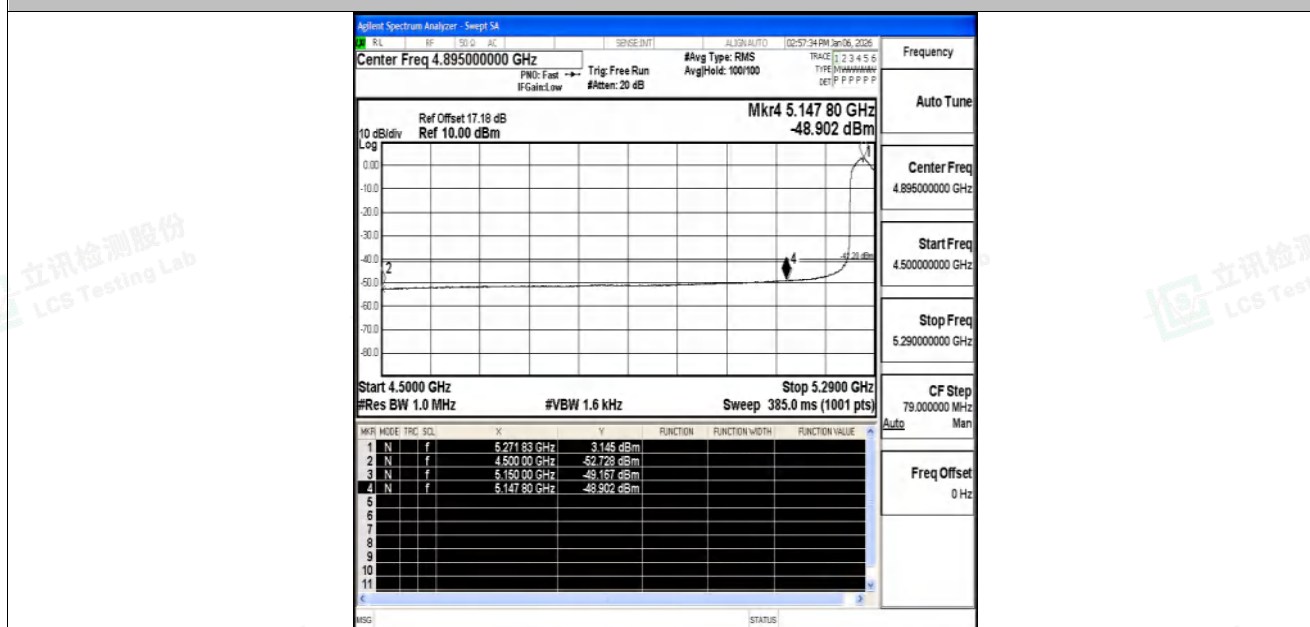
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11AC40SISO-Ant2-5270-PASS



11AC40SISO-Ant2-5270-PASS

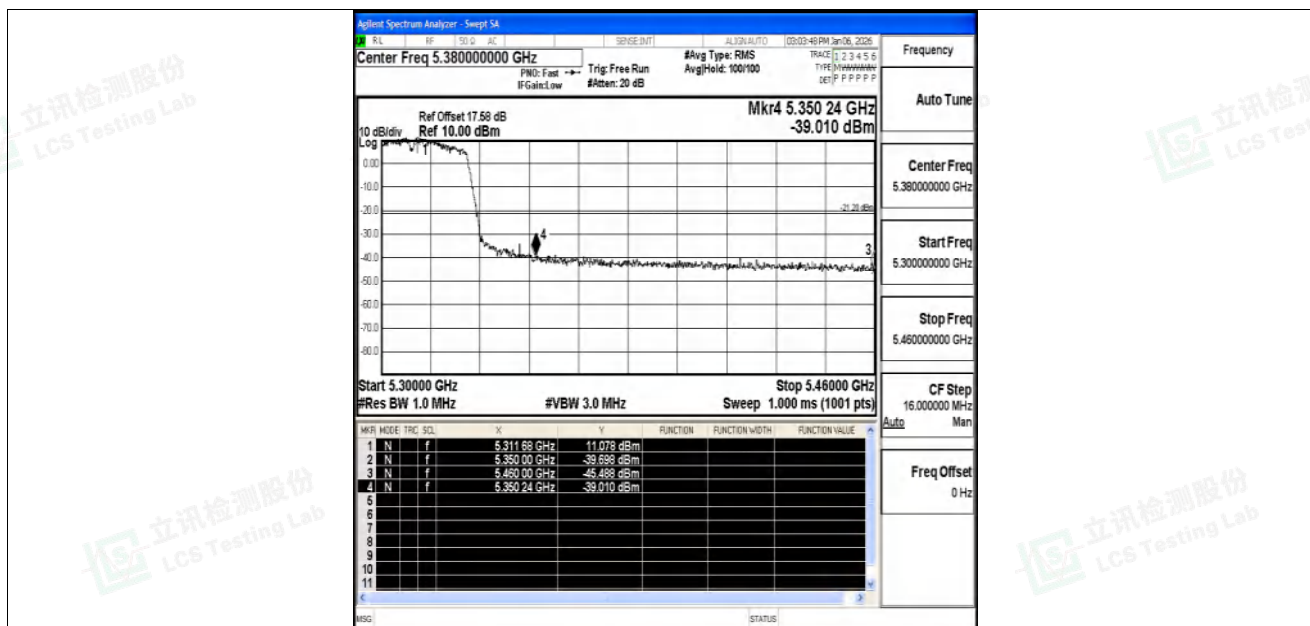


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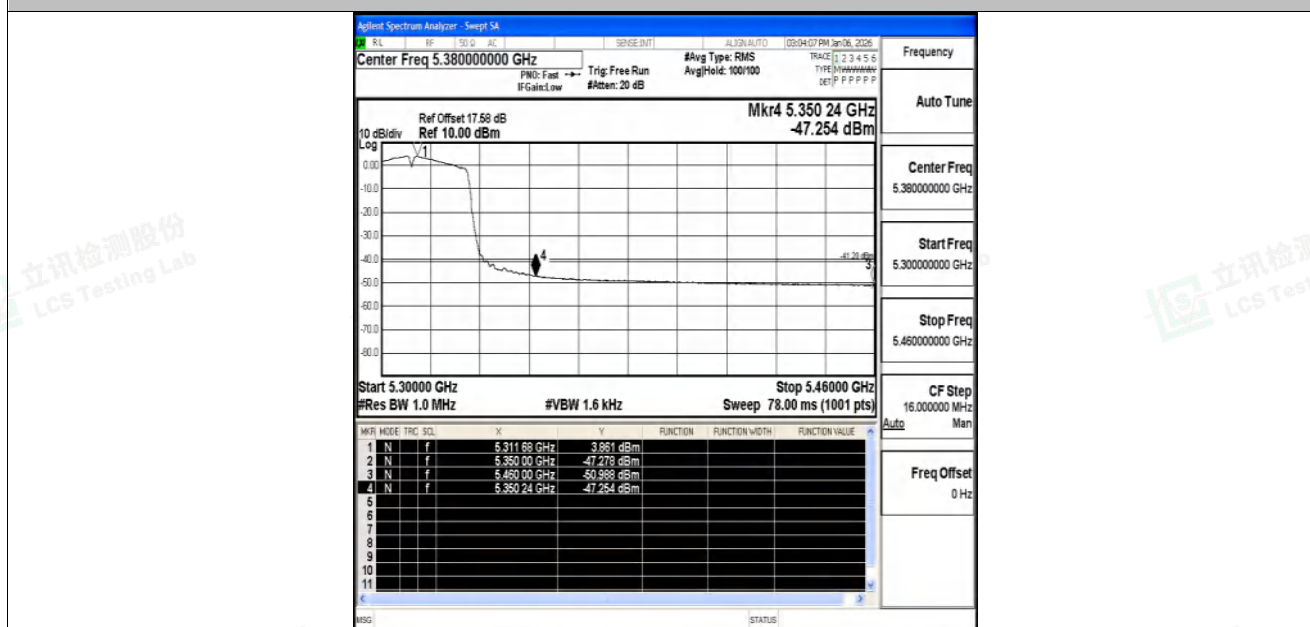
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11AC40SISO-Ant2-5310-PASS



11AC40SISO-Ant2-5310-PASS

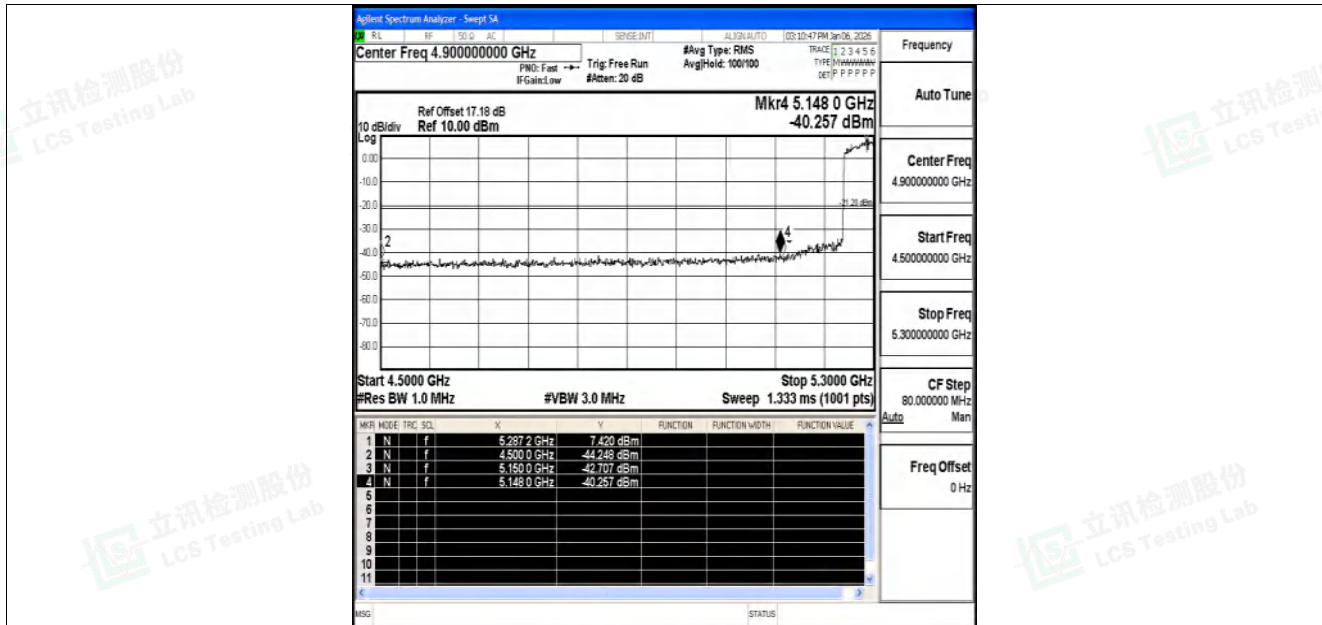


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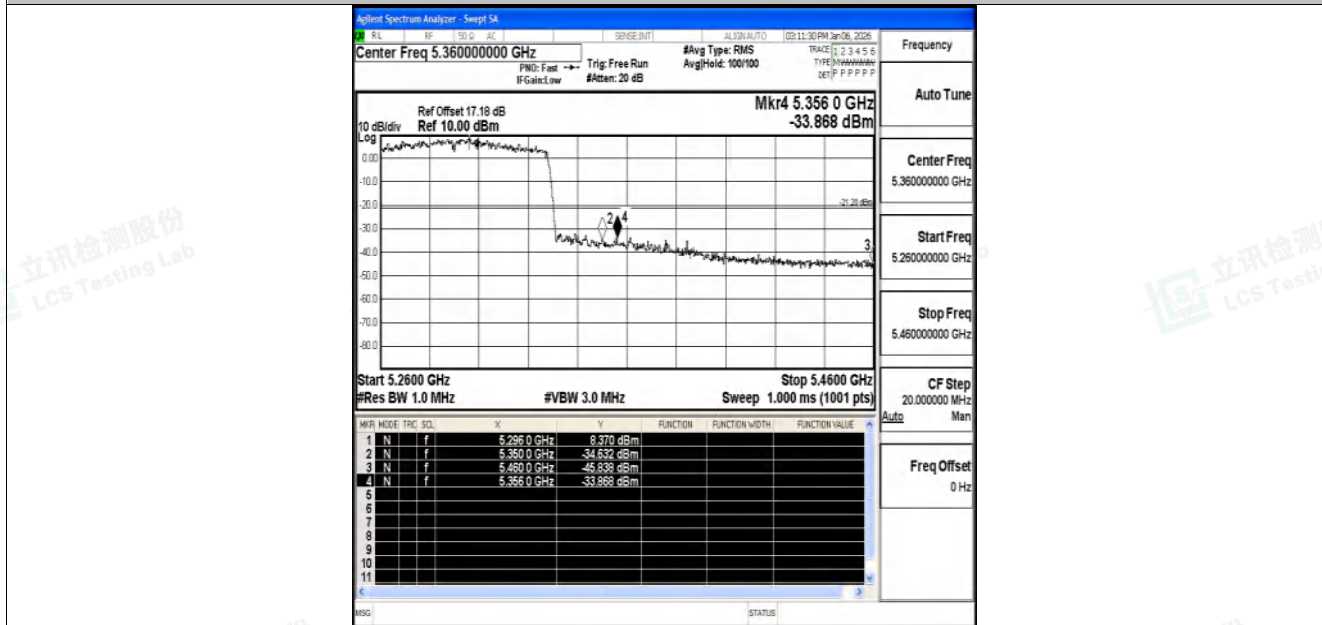
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11AC80SISO-Ant2-5290-PASS



11AC80SISO-Ant2-5290-PASS

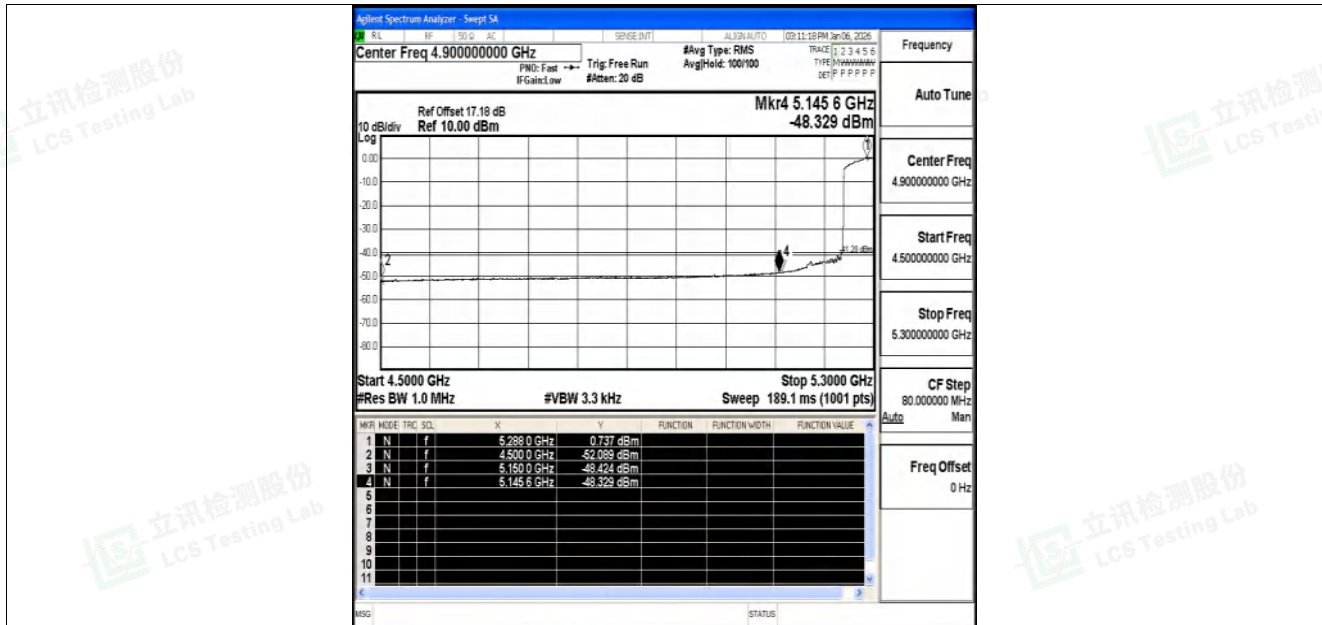


Shenzhen LCS Compliance Testing Laboratory Ltd.

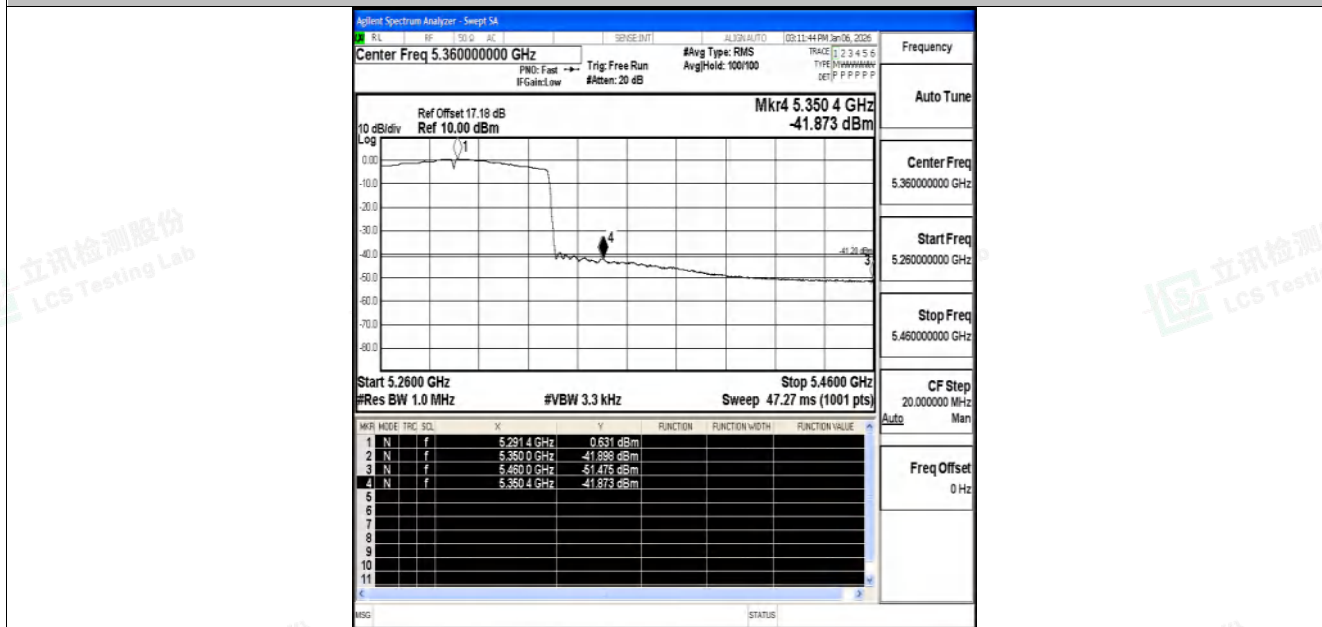
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11AC80SISO-Ant2-5290-PASS



11AC80SISO-Ant2-5290-PASS



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**MIMO**

Condition	Mode	Frequency (MHz)	Spur Freq (MHz)	Ant1 Power (dBm)	Ant2 Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	n20	5260	4500	-51.28	-51.69	8.31	55.07	Peak	68.2	Pass
NVNT	n20	5260	4500	-58.71	-58.40	8.31	48.00	Average	54	Pass
NVNT	n20	5260	5046	-47.32	-47.21	8.31	59.28	Peak	68.2	Pass
NVNT	n20	5260	5149.74	-56.11	-56.28	8.31	50.35	Average	54	Pass
NVNT	n20	5260	5150	-48.28	-49.72	8.31	57.61	Peak	68.2	Pass
NVNT	n20	5260	5150	-56.53	-57.10	8.31	49.74	Average	54	Pass
NVNT	n20	5320	5350	-44.96	-42.93	8.31	62.72	Peak	68.2	Pass
NVNT	n20	5320	5350	-55.09	-55.68	8.31	51.17	Average	54	Pass
NVNT	n20	5320	5350.8	-39.61	-39.77	8.31	66.86	Peak	68.2	Pass
NVNT	n20	5320	5350.8	-55.30	-55.49	8.31	51.15	Average	54	Pass
NVNT	n20	5320	5460	-48.70	-49.09	8.31	57.66	Peak	68.2	Pass
NVNT	n20	5320	5460	-58.55	-58.32	8.31	48.11	Average	54	Pass
NVNT	n40	5270	4500	-50.38	-50.13	8.31	56.29	Peak	68.2	Pass
NVNT	n40	5270	4500	-59.71	-59.67	8.31	46.86	Average	54	Pass
NVNT	n40	5270	5033.79	-47.00	-46.86	8.31	59.62	Peak	68.2	Pass
NVNT	n40	5270	4772.97	-56.51	-55.83	8.31	50.39	Average	54	Pass
NVNT	n40	5270	5150	-49.23	-50.54	8.31	56.71	Peak	68.2	Pass
NVNT	n40	5270	5150	-56.36	-56.81	8.31	49.97	Average	54	Pass
NVNT	n40	5310	5350	-43.27	-44.60	8.31	62.66	Peak	68.2	Pass
NVNT	n40	5310	5350	-53.48	-53.82	8.31	52.90	Average	54	Pass
NVNT	n40	5310	5351	-41.81	-40.36	8.31	65.52	Peak	68.2	Pass
NVNT	n40	5310	5350	-54.09	-54.44	8.31	52.29	Average	54	Pass
NVNT	n40	5310	5460	-49.08	-50.19	8.31	56.95	Peak	68.2	Pass
NVNT	n40	5310	5460	-58.85	-58.85	8.31	47.70	Average	54	Pass
NVNT	ac20	5260	4500	-48.7	-49.5	8.31	57.47	Peak	68.2	Pass
NVNT	ac20	5260	4500	-60.0	-59.8	8.31	46.65	Average	54	Pass
NVNT	ac20	5260	4679.4	-46.9	-46.1	8.31	60.07	Peak	68.2	Pass
NVNT	ac20	5260	5066.28	-57.0	-57.3	8.31	49.40	Average	54	Pass
NVNT	ac20	5260	5150	-49.5	-50.2	8.31	56.71	Peak	68.2	Pass
NVNT	ac20	5260	5150	-56.8	-57.3	8.31	49.51	Average	54	Pass
NVNT	ac20	5320	5350	-42.6	-44.4	8.31	63.14	Peak	68.2	Pass
NVNT	ac20	5320	5350	-55.3	-54.6	8.31	51.61	Average	54	Pass
NVNT	ac20	5320	5352.2	-41.1	-41.8	8.31	65.11	Peak	68.2	Pass
NVNT	ac20	5320	5350.2	-55.1	-54.5	8.31	51.76	Average	54	Pass
NVNT	ac20	5320	5460	-49.0	-49.1	8.31	57.50	Peak	68.2	Pass
NVNT	ac20	5320	5460	-58.4	-58.5	8.31	48.10	Average	54	Pass
NVNT	ac40	5310	4500	-49.9	-48.7	8.31	57.29	Peak	68.2	Pass



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NVNT	ac40	5310	4500	-59.2	-59.0	8.31	47.45	Average	54	Pass
NVNT	ac40	5310	5009.49	-47.3	-47.1	8.31	59.35	Peak	68.2	Pass
NVNT	ac40	5310	4806.18	-56.4	-56.0	8.31	50.35	Average	54	Pass
NVNT	ac40	5310	5150	-49.3	-50.2	8.31	56.82	Peak	68.2	Pass
NVNT	ac40	5310	5150	-57.5	-57.0	8.31	49.31	Average	54	Pass
NVNT	ac40	5310	5350	-40.6	-43.6	8.31	64.70	Peak	68.2	Pass
NVNT	ac40	5310	5350	-55.2	-54.6	8.31	51.66	Average	54	Pass
NVNT	ac40	5310	5350.6	-38.5	-41.2	8.31	66.90	Peak	68.2	Pass
NVNT	ac40	5310	5351	-54.8	-54.0	8.31	52.17	Average	54	Pass
NVNT	ac40	5310	5460	-49.7	-47.7	8.31	57.96	Peak	68.2	Pass
NVNT	ac40	5310	5460	-58.6	-58.5	8.31	48.00	Average	54	Pass
NVNT	ac80	5290	4500	-50.1	-51.2	8.31	55.93	Peak	68.2	Pass
NVNT	ac80	5290	4500	-58.7	-58.7	8.31	47.85	Average	54	Pass
NVNT	ac80	5290	5048.97	-47.3	-46.8	8.31	59.51	Peak	68.2	Pass
NVNT	ac80	5290	5089.86	-56.3	-56.5	8.31	50.15	Average	54	Pass
NVNT	ac80	5290	5150	-47.5	-49.2	8.31	58.28	Peak	68.2	Pass
NVNT	ac80	5290	5150	-57.5	-58.1	8.31	48.76	Average	54	Pass
NVNT	ac80	5290	5350	-43.5	-41.8	8.31	63.98	Peak	68.2	Pass
NVNT	ac80	5290	5350	-56.6	-55.8	8.31	50.37	Average	54	Pass
NVNT	ac80	5290	5350.25	-40.5	-41.8	8.31	65.45	Peak	68.2	Pass
NVNT	ac80	5290	5351.5	-55.5	-55.0	8.31	51.31	Average	54	Pass
NVNT	ac80	5290	5460	-48.5	-51.6	8.31	56.77	Peak	68.2	Pass
NVNT	ac80	5290	5460	-58.6	-58.8	8.31	47.85	Average	54	Pass



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E.5 Frequency Stability

Test Result

TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5260	NV	NT	-40000.00	-7.604563	20	PASS
11A	Ant1	5260	LV	NT	-60000.00	-11.406844	20	PASS
11A	Ant1	5260	HV	NT	-60000.00	-11.406844	20	PASS
11A	Ant1	5280	NV	NT	-60000.00	-11.363636	20	PASS
11A	Ant1	5280	LV	NT	-60000.00	-11.363636	20	PASS
11A	Ant1	5280	HV	NT	-60000.00	-11.363636	20	PASS
11A	Ant1	5320	NV	NT	-40000.00	-7.518797	20	PASS
11A	Ant1	5320	LV	NT	-40000.00	-7.518797	20	PASS
11A	Ant1	5320	HV	NT	-40000.00	-7.518797	20	PASS
11N20SISO	Ant1	5260	NV	NT	-60000.00	-11.406844	20	PASS
11N20SISO	Ant1	5260	LV	NT	-60000.00	-11.406844	20	PASS
11N20SISO	Ant1	5260	HV	NT	-60000.00	-11.406844	20	PASS
11N20SISO	Ant1	5280	NV	NT	-80000.00	-15.151515	20	PASS
11N20SISO	Ant1	5280	LV	NT	-80000.00	-15.151515	20	PASS
11N20SISO	Ant1	5280	HV	NT	-60000.00	-11.363636	20	PASS
11N20SISO	Ant1	5320	NV	NT	-60000.00	-11.278195	20	PASS
11N20SISO	Ant1	5320	LV	NT	-80000.00	-15.037594	20	PASS
11N20SISO	Ant1	5320	HV	NT	-80000.00	-15.037594	20	PASS
11N40SISO	Ant1	5270	NV	NT	-80000.00	-15.180266	20	PASS
11N40SISO	Ant1	5270	LV	NT	-40000.00	-7.590133	20	PASS
11N40SISO	Ant1	5270	HV	NT	-40000.00	-7.590133	20	PASS
11N40SISO	Ant1	5310	NV	NT	-40000.00	-7.532957	20	PASS
11N40SISO	Ant1	5310	LV	NT	-40000.00	-7.532957	20	PASS
11N40SISO	Ant1	5310	HV	NT	-40000.00	-7.532957	20	PASS
11AC20SISO	Ant1	5260	NV	NT	-60000.00	-11.406844	20	PASS
11AC20SISO	Ant1	5260	LV	NT	-60000.00	-11.406844	20	PASS
11AC20SISO	Ant1	5260	HV	NT	-60000.00	-11.406844	20	PASS
11AC20SISO	Ant1	5280	NV	NT	-60000.00	-11.363636	20	PASS
11AC20SISO	Ant1	5280	LV	NT	-40000.00	-7.575758	20	PASS
11AC20SISO	Ant1	5280	HV	NT	-40000.00	-7.575758	20	PASS
11AC20SISO	Ant1	5320	NV	NT	-60000.00	-11.278195	20	PASS
11AC20SISO	Ant1	5320	LV	NT	-60000.00	-11.278195	20	PASS
11AC20SISO	Ant1	5320	HV	NT	-80000.00	-15.037594	20	PASS
11AC40SISO	Ant1	5270	NV	NT	-40000.00	-7.590133	20	PASS
11AC40SISO	Ant1	5270	LV	NT	-80000.00	-15.180266	20	PASS
11AC40SISO	Ant1	5270	HV	NT	-80000.00	-15.180266	20	PASS
11AC40SISO	Ant1	5310	NV	NT	-40000.00	-7.532957	20	PASS



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11AC40SISO	Ant1	5310	LV	NT	-40000.00	-7.532957	20	PASS
11AC40SISO	Ant1	5310	HV	NT	-80000.00	-15.065913	20	PASS
11AC80SISO	Ant1	5290	NV	NT	-80000.00	-15.122873	20	PASS
11AC80SISO	Ant1	5290	LV	NT	-80000.00	-15.122873	20	PASS
11AC80SISO	Ant1	5290	HV	NT	-80000.00	-15.122873	20	PASS

TestMode	Antenna	Frequenc y[MHz]	Voltage [Vdc]	Temperat ure (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5260	NV	-30	-60000.00	-11.406844	20	PASS
11A	Ant1	5260	NV	-20	-60000.00	-11.406844	20	PASS
11A	Ant1	5260	NV	-10	-60000.00	-11.406844	20	PASS
11A	Ant1	5260	NV	0	-60000.00	-11.406844	20	PASS
11A	Ant1	5260	NV	10	-60000.00	-11.406844	20	PASS
11A	Ant1	5260	NV	20	-60000.00	-11.406844	20	PASS
11A	Ant1	5260	NV	30	-60000.00	-11.406844	20	PASS
11A	Ant1	5260	NV	40	-60000.00	-11.406844	20	PASS
11A	Ant1	5260	NV	50	-60000.00	-11.406844	20	PASS
11A	Ant1	5280	NV	-30	-60000.00	-11.363636	20	PASS
11A	Ant1	5280	NV	-20	-60000.00	-11.363636	20	PASS
11A	Ant1	5280	NV	-10	-80000.00	-15.151515	20	PASS
11A	Ant1	5280	NV	0	-60000.00	-11.363636	20	PASS
11A	Ant1	5280	NV	10	-60000.00	-11.363636	20	PASS
11A	Ant1	5280	NV	20	-60000.00	-11.363636	20	PASS
11A	Ant1	5280	NV	30	-60000.00	-11.363636	20	PASS
11A	Ant1	5280	NV	40	-60000.00	-11.363636	20	PASS
11A	Ant1	5280	NV	50	-60000.00	-11.363636	20	PASS
11A	Ant1	5320	NV	-30	-40000.00	-7.518797	20	PASS
11A	Ant1	5320	NV	-20	-40000.00	-7.518797	20	PASS
11A	Ant1	5320	NV	-10	-40000.00	-7.518797	20	PASS
11A	Ant1	5320	NV	0	-60000.00	-11.278195	20	PASS
11A	Ant1	5320	NV	10	-40000.00	-7.518797	20	PASS
11A	Ant1	5320	NV	20	-60000.00	-11.278195	20	PASS
11A	Ant1	5320	NV	30	-60000.00	-11.278195	20	PASS
11A	Ant1	5320	NV	40	-40000.00	-7.518797	20	PASS
11A	Ant1	5320	NV	50	-20000.00	-3.759398	20	PASS
11N20SISO	Ant1	5260	NV	-30	-80000.00	-15.209125	20	PASS
11N20SISO	Ant1	5260	NV	-20	-60000.00	-11.406844	20	PASS
11N20SISO	Ant1	5260	NV	-10	-80000.00	-15.209125	20	PASS
11N20SISO	Ant1	5260	NV	0	-80000.00	-15.209125	20	PASS
11N20SISO	Ant1	5260	NV	10	-60000.00	-11.406844	20	PASS
11N20SISO	Ant1	5260	NV	20	-80000.00	-15.209125	20	PASS
11N20SISO	Ant1	5260	NV	30	-60000.00	-11.406844	20	PASS



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11N20SISO	Ant1	5260	NV	40	-40000.00	-7.604563	20	PASS
11N20SISO	Ant1	5260	NV	50	-80000.00	-15.209125	20	PASS
11N20SISO	Ant1	5280	NV	-30	-80000.00	-15.151515	20	PASS
11N20SISO	Ant1	5280	NV	-20	-80000.00	-15.151515	20	PASS
11N20SISO	Ant1	5280	NV	-10	-60000.00	-11.363636	20	PASS
11N20SISO	Ant1	5280	NV	0	-80000.00	-15.151515	20	PASS
11N20SISO	Ant1	5280	NV	10	-80000.00	-15.151515	20	PASS
11N20SISO	Ant1	5280	NV	20	-80000.00	-15.151515	20	PASS
11N20SISO	Ant1	5280	NV	30	-80000.00	-15.151515	20	PASS
11N20SISO	Ant1	5280	NV	40	-80000.00	-15.151515	20	PASS
11N20SISO	Ant1	5280	NV	50	-60000.00	-11.363636	20	PASS
11N20SISO	Ant1	5320	NV	-30	-80000.00	-15.037594	20	PASS
11N20SISO	Ant1	5320	NV	-20	-80000.00	-15.037594	20	PASS
11N20SISO	Ant1	5320	NV	-10	-80000.00	-15.037594	20	PASS
11N20SISO	Ant1	5320	NV	0	-80000.00	-15.037594	20	PASS
11N20SISO	Ant1	5320	NV	10	-80000.00	-15.037594	20	PASS
11N20SISO	Ant1	5320	NV	20	-60000.00	-11.278195	20	PASS
11N20SISO	Ant1	5320	NV	30	-80000.00	-15.037594	20	PASS
11N20SISO	Ant1	5320	NV	40	-60000.00	-11.278195	20	PASS
11N20SISO	Ant1	5320	NV	50	-80000.00	-15.037594	20	PASS
11N40SISO	Ant1	5270	NV	-30	-40000.00	-7.590133	20	PASS
11N40SISO	Ant1	5270	NV	-20	-40000.00	-7.590133	20	PASS
11N40SISO	Ant1	5270	NV	-10	-40000.00	-7.590133	20	PASS
11N40SISO	Ant1	5270	NV	0	-80000.00	-15.180266	20	PASS
11N40SISO	Ant1	5270	NV	10	-40000.00	-7.590133	20	PASS
11N40SISO	Ant1	5270	NV	20	-40000.00	-7.590133	20	PASS
11N40SISO	Ant1	5270	NV	30	-40000.00	-7.590133	20	PASS
11N40SISO	Ant1	5270	NV	40	-40000.00	-7.590133	20	PASS
11N40SISO	Ant1	5270	NV	50	-40000.00	-7.590133	20	PASS
11N40SISO	Ant1	5310	NV	-30	-40000.00	-7.532957	20	PASS
11N40SISO	Ant1	5310	NV	-20	-40000.00	-7.532957	20	PASS
11N40SISO	Ant1	5310	NV	-10	-40000.00	-7.532957	20	PASS
11N40SISO	Ant1	5310	NV	0	0.00	0.000000	20	PASS
11N40SISO	Ant1	5310	NV	10	-40000.00	-7.532957	20	PASS
11N40SISO	Ant1	5310	NV	20	-40000.00	-7.532957	20	PASS
11N40SISO	Ant1	5310	NV	30	-40000.00	-7.532957	20	PASS
11N40SISO	Ant1	5310	NV	40	-80000.00	-15.065913	20	PASS
11N40SISO	Ant1	5310	NV	50	-80000.00	-15.065913	20	PASS
11AC20SISO	Ant1	5260	NV	-30	-40000.00	-7.604563	20	PASS
11AC20SISO	Ant1	5260	NV	-20	-60000.00	-11.406844	20	PASS
11AC20SISO	Ant1	5260	NV	-10	-40000.00	-7.604563	20	PASS
11AC20SISO	Ant1	5260	NV	0	-40000.00	-7.604563	20	PASS



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11AC20SISO	Ant1	5260	NV	10	-60000.00	-11.406844	20	PASS
11AC20SISO	Ant1	5260	NV	20	-60000.00	-11.406844	20	PASS
11AC20SISO	Ant1	5260	NV	30	-60000.00	-11.406844	20	PASS
11AC20SISO	Ant1	5260	NV	40	-60000.00	-11.406844	20	PASS
11AC20SISO	Ant1	5260	NV	50	-40000.00	-7.604563	20	PASS
11AC20SISO	Ant1	5280	NV	-30	-60000.00	-11.363636	20	PASS
11AC20SISO	Ant1	5280	NV	-20	-60000.00	-11.363636	20	PASS
11AC20SISO	Ant1	5280	NV	-10	-60000.00	-11.363636	20	PASS
11AC20SISO	Ant1	5280	NV	0	-60000.00	-11.363636	20	PASS
11AC20SISO	Ant1	5280	NV	10	-40000.00	-7.575758	20	PASS
11AC20SISO	Ant1	5280	NV	20	-40000.00	-7.575758	20	PASS
11AC20SISO	Ant1	5280	NV	30	-40000.00	-7.575758	20	PASS
11AC20SISO	Ant1	5280	NV	40	-40000.00	-7.575758	20	PASS
11AC20SISO	Ant1	5280	NV	50	-60000.00	-11.363636	20	PASS
11AC20SISO	Ant1	5320	NV	-30	-60000.00	-11.278195	20	PASS
11AC20SISO	Ant1	5320	NV	-20	-40000.00	-7.518797	20	PASS
11AC20SISO	Ant1	5320	NV	-10	-60000.00	-11.278195	20	PASS
11AC20SISO	Ant1	5320	NV	0	-40000.00	-7.518797	20	PASS
11AC20SISO	Ant1	5320	NV	10	-60000.00	-11.278195	20	PASS
11AC20SISO	Ant1	5320	NV	20	-60000.00	-11.278195	20	PASS
11AC20SISO	Ant1	5320	NV	30	-60000.00	-11.278195	20	PASS
11AC20SISO	Ant1	5320	NV	40	-60000.00	-11.278195	20	PASS
11AC20SISO	Ant1	5320	NV	50	-60000.00	-11.278195	20	PASS
11AC40SISO	Ant1	5270	NV	-30	-80000.00	-15.180266	20	PASS
11AC40SISO	Ant1	5270	NV	-20	-40000.00	-7.590133	20	PASS
11AC40SISO	Ant1	5270	NV	-10	-40000.00	-7.590133	20	PASS
11AC40SISO	Ant1	5270	NV	0	-40000.00	-7.590133	20	PASS
11AC40SISO	Ant1	5270	NV	10	-40000.00	-7.590133	20	PASS
11AC40SISO	Ant1	5270	NV	20	-80000.00	-15.180266	20	PASS
11AC40SISO	Ant1	5270	NV	30	-40000.00	-7.590133	20	PASS
11AC40SISO	Ant1	5270	NV	40	-40000.00	-7.590133	20	PASS
11AC40SISO	Ant1	5270	NV	50	-40000.00	-7.590133	20	PASS
11AC40SISO	Ant1	5310	NV	-30	-80000.00	-15.065913	20	PASS
11AC40SISO	Ant1	5310	NV	-20	-40000.00	-7.532957	20	PASS
11AC40SISO	Ant1	5310	NV	-10	-80000.00	-15.065913	20	PASS
11AC40SISO	Ant1	5310	NV	0	-40000.00	-7.532957	20	PASS
11AC40SISO	Ant1	5310	NV	10	-80000.00	-15.065913	20	PASS
11AC40SISO	Ant1	5310	NV	20	-40000.00	-7.532957	20	PASS
11AC40SISO	Ant1	5310	NV	30	-40000.00	-7.532957	20	PASS
11AC40SISO	Ant1	5310	NV	40	-40000.00	-7.532957	20	PASS
11AC40SISO	Ant1	5310	NV	50	-80000.00	-15.065913	20	PASS
11AC80SISO	Ant1	5290	NV	-30	-80000.00	-15.122873	20	PASS



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11AC80SISO	Ant1	5290	NV	-20	-80000.00	-15.122873	20	PASS
11AC80SISO	Ant1	5290	NV	-10	-80000.00	-15.122873	20	PASS
11AC80SISO	Ant1	5290	NV	0	-80000.00	-15.122873	20	PASS
11AC80SISO	Ant1	5290	NV	10	-80000.00	-15.122873	20	PASS
11AC80SISO	Ant1	5290	NV	20	80000.00	15.122873	20	PASS
11AC80SISO	Ant1	5290	NV	30	-80000.00	-15.122873	20	PASS
11AC80SISO	Ant1	5290	NV	40	-80000.00	-15.122873	20	PASS
11AC80SISO	Ant1	5290	NV	50	-80000.00	-15.122873	20	PASS



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**Test Result**

TestMode	Antenna	Frequenc y[MHz]	Voltage [Vdc]	Temperat ure (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant2	5260	NV	NT	-80000.00	-15.209125	20	PASS
11A	Ant2	5260	LV	NT	-60000.00	-11.406844	20	PASS
11A	Ant2	5260	HV	NT	-60000.00	-11.406844	20	PASS
11A	Ant2	5280	NV	NT	-60000.00	-11.363636	20	PASS
11A	Ant2	5280	LV	NT	-60000.00	-11.363636	20	PASS
11A	Ant2	5280	HV	NT	-60000.00	-11.363636	20	PASS
11A	Ant2	5320	NV	NT	-60000.00	-11.278195	20	PASS
11A	Ant2	5320	LV	NT	-60000.00	-11.278195	20	PASS
11A	Ant2	5320	HV	NT	-60000.00	-11.278195	20	PASS
11N20SISO	Ant2	5260	NV	NT	-80000.00	-15.209125	20	PASS
11N20SISO	Ant2	5260	LV	NT	-60000.00	-11.406844	20	PASS
11N20SISO	Ant2	5260	HV	NT	-80000.00	-15.209125	20	PASS
11N20SISO	Ant2	5280	NV	NT	-80000.00	-15.151515	20	PASS
11N20SISO	Ant2	5280	LV	NT	-80000.00	-15.151515	20	PASS
11N20SISO	Ant2	5280	HV	NT	-80000.00	-15.151515	20	PASS
11N20SISO	Ant2	5320	NV	NT	-80000.00	-15.037594	20	PASS
11N20SISO	Ant2	5320	LV	NT	-80000.00	-15.037594	20	PASS
11N20SISO	Ant2	5320	HV	NT	-80000.00	-15.037594	20	PASS
11N40SISO	Ant2	5270	NV	NT	-40000.00	-7.590133	20	PASS
11N40SISO	Ant2	5270	LV	NT	-80000.00	-15.180266	20	PASS
11N40SISO	Ant2	5270	HV	NT	-40000.00	-7.590133	20	PASS
11N40SISO	Ant2	5310	NV	NT	-40000.00	-7.532957	20	PASS
11N40SISO	Ant2	5310	LV	NT	-40000.00	-7.532957	20	PASS
11N40SISO	Ant2	5310	HV	NT	-40000.00	-7.532957	20	PASS
11AC20SISO	Ant2	5260	NV	NT	-60000.00	-11.406844	20	PASS
11AC20SISO	Ant2	5260	LV	NT	-60000.00	-11.406844	20	PASS
11AC20SISO	Ant2	5260	HV	NT	-60000.00	-11.406844	20	PASS
11AC20SISO	Ant2	5280	NV	NT	-60000.00	-11.363636	20	PASS
11AC20SISO	Ant2	5280	LV	NT	-60000.00	-11.363636	20	PASS
11AC20SISO	Ant2	5280	HV	NT	-40000.00	-7.575758	20	PASS
11AC20SISO	Ant2	5320	NV	NT	-60000.00	-11.278195	20	PASS
11AC20SISO	Ant2	5320	LV	NT	-60000.00	-11.278195	20	PASS
11AC20SISO	Ant2	5320	HV	NT	-60000.00	-11.278195	20	PASS
11AC40SISO	Ant2	5270	NV	NT	-40000.00	-7.590133	20	PASS
11AC40SISO	Ant2	5270	LV	NT	-40000.00	-7.590133	20	PASS
11AC40SISO	Ant2	5270	HV	NT	0.00	0.000000	20	PASS
11AC40SISO	Ant2	5310	NV	NT	-80000.00	-15.065913	20	PASS
11AC40SISO	Ant2	5310	LV	NT	-40000.00	-7.532957	20	PASS



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11AC40SISO	Ant2	5310	HV	NT	-80000.00	-15.065913	20	PASS
11AC80SISO	Ant2	5290	NV	NT	-80000.00	-15.122873	20	PASS
11AC80SISO	Ant2	5290	LV	NT	-80000.00	-15.122873	20	PASS
11AC80SISO	Ant2	5290	HV	NT	80000.00	15.122873	20	PASS

TestMode	Antenna	Frequenc y[MHz]	Voltage [Vdc]	Temperat ure (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant2	5260	NV	-30	-60000.00	-11.406844	20	PASS
11A	Ant2	5260	NV	-20	-60000.00	-11.406844	20	PASS
11A	Ant2	5260	NV	-10	-60000.00	-11.406844	20	PASS
11A	Ant2	5260	NV	0	-60000.00	-11.406844	20	PASS
11A	Ant2	5260	NV	10	-60000.00	-11.406844	20	PASS
11A	Ant2	5260	NV	20	-60000.00	-11.406844	20	PASS
11A	Ant2	5260	NV	30	-60000.00	-11.406844	20	PASS
11A	Ant2	5260	NV	40	-60000.00	-11.406844	20	PASS
11A	Ant2	5260	NV	50	-60000.00	-11.406844	20	PASS
11A	Ant2	5280	NV	-30	-60000.00	-11.363636	20	PASS
11A	Ant2	5280	NV	-20	-60000.00	-11.363636	20	PASS
11A	Ant2	5280	NV	-10	-80000.00	-15.151515	20	PASS
11A	Ant2	5280	NV	0	-60000.00	-11.363636	20	PASS
11A	Ant2	5280	NV	10	-60000.00	-11.363636	20	PASS
11A	Ant2	5280	NV	20	-60000.00	-11.363636	20	PASS
11A	Ant2	5280	NV	30	-60000.00	-11.363636	20	PASS
11A	Ant2	5280	NV	40	-60000.00	-11.363636	20	PASS
11A	Ant2	5280	NV	50	-60000.00	-11.363636	20	PASS
11A	Ant2	5320	NV	-30	-60000.00	-11.278195	20	PASS
11A	Ant2	5320	NV	-20	-60000.00	-11.278195	20	PASS
11A	Ant2	5320	NV	-10	-60000.00	-11.278195	20	PASS
11A	Ant2	5320	NV	0	-80000.00	-15.037594	20	PASS
11A	Ant2	5320	NV	10	-60000.00	-11.278195	20	PASS
11A	Ant2	5320	NV	20	-60000.00	-11.278195	20	PASS
11A	Ant2	5320	NV	30	-60000.00	-11.278195	20	PASS
11A	Ant2	5320	NV	40	-60000.00	-11.278195	20	PASS
11A	Ant2	5320	NV	50	-60000.00	-11.278195	20	PASS
11N20SISO	Ant2	5260	NV	-30	-80000.00	-15.209125	20	PASS
11N20SISO	Ant2	5260	NV	-20	-80000.00	-15.209125	20	PASS
11N20SISO	Ant2	5260	NV	-10	-40000.00	-7.604563	20	PASS
11N20SISO	Ant2	5260	NV	0	-80000.00	-15.209125	20	PASS
11N20SISO	Ant2	5260	NV	10	-80000.00	-15.209125	20	PASS
11N20SISO	Ant2	5260	NV	20	-80000.00	-15.209125	20	PASS
11N20SISO	Ant2	5260	NV	30	-80000.00	-15.209125	20	PASS
11N20SISO	Ant2	5260	NV	40	-80000.00	-15.209125	20	PASS



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11N20SISO	Ant2	5260	NV	50	-60000.00	-11.406844	20	PASS
11N20SISO	Ant2	5280	NV	-30	-80000.00	-15.151515	20	PASS
11N20SISO	Ant2	5280	NV	-20	-80000.00	-15.151515	20	PASS
11N20SISO	Ant2	5280	NV	-10	-80000.00	-15.151515	20	PASS
11N20SISO	Ant2	5280	NV	0	-80000.00	-15.151515	20	PASS
11N20SISO	Ant2	5280	NV	10	-80000.00	-15.151515	20	PASS
11N20SISO	Ant2	5280	NV	20	-80000.00	-15.151515	20	PASS
11N20SISO	Ant2	5280	NV	30	-80000.00	-15.151515	20	PASS
11N20SISO	Ant2	5280	NV	40	-80000.00	-15.151515	20	PASS
11N20SISO	Ant2	5280	NV	50	-80000.00	-15.151515	20	PASS
11N20SISO	Ant2	5320	NV	-30	-60000.00	-11.278195	20	PASS
11N20SISO	Ant2	5320	NV	-20	-80000.00	-15.037594	20	PASS
11N20SISO	Ant2	5320	NV	-10	-80000.00	-15.037594	20	PASS
11N20SISO	Ant2	5320	NV	0	-80000.00	-15.037594	20	PASS
11N20SISO	Ant2	5320	NV	10	-80000.00	-15.037594	20	PASS
11N20SISO	Ant2	5320	NV	20	-80000.00	-15.037594	20	PASS
11N20SISO	Ant2	5320	NV	30	-60000.00	-11.278195	20	PASS
11N20SISO	Ant2	5320	NV	40	-60000.00	-11.278195	20	PASS
11N20SISO	Ant2	5320	NV	50	-80000.00	-15.037594	20	PASS
11N40SISO	Ant2	5270	NV	-30	-80000.00	-15.180266	20	PASS
11N40SISO	Ant2	5270	NV	-20	-40000.00	-7.590133	20	PASS
11N40SISO	Ant2	5270	NV	-10	-40000.00	-7.590133	20	PASS
11N40SISO	Ant2	5270	NV	0	-40000.00	-7.590133	20	PASS
11N40SISO	Ant2	5270	NV	10	-80000.00	-15.180266	20	PASS
11N40SISO	Ant2	5270	NV	20	-40000.00	-7.590133	20	PASS
11N40SISO	Ant2	5270	NV	30	-40000.00	-7.590133	20	PASS
11N40SISO	Ant2	5270	NV	40	0.00	0.000000	20	PASS
11N40SISO	Ant2	5270	NV	50	-40000.00	-7.590133	20	PASS
11N40SISO	Ant2	5310	NV	-30	-40000.00	-7.532957	20	PASS
11N40SISO	Ant2	5310	NV	-20	-80000.00	-15.065913	20	PASS
11N40SISO	Ant2	5310	NV	-10	-80000.00	-15.065913	20	PASS
11N40SISO	Ant2	5310	NV	0	-80000.00	-15.065913	20	PASS
11N40SISO	Ant2	5310	NV	10	-40000.00	-7.532957	20	PASS
11N40SISO	Ant2	5310	NV	20	-80000.00	-15.065913	20	PASS
11N40SISO	Ant2	5310	NV	30	0.00	0.000000	20	PASS
11N40SISO	Ant2	5310	NV	40	-40000.00	-7.532957	20	PASS
11N40SISO	Ant2	5310	NV	50	-40000.00	-7.532957	20	PASS
11AC20SIS O	Ant2	5260	NV	-30	-60000.00	-11.406844	20	PASS
11AC20SIS O	Ant2	5260	NV	-20	-60000.00	-11.406844	20	PASS
11AC20SIS	Ant2	5260	NV	-10	-60000.00	-11.406844	20	PASS



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O								
11AC20SIS O	Ant2	5260	NV	0	-60000.00	-11.406844	20	PASS
11AC20SIS O	Ant2	5260	NV	10	-60000.00	-11.406844	20	PASS
11AC20SIS O	Ant2	5260	NV	20	-40000.00	-7.604563	20	PASS
11AC20SIS O	Ant2	5260	NV	30	-60000.00	-11.406844	20	PASS
11AC20SIS O	Ant2	5260	NV	40	-80000.00	-15.209125	20	PASS
11AC20SIS O	Ant2	5260	NV	50	-60000.00	-11.406844	20	PASS
11AC20SIS O	Ant2	5280	NV	-30	-60000.00	-11.363636	20	PASS
11AC20SIS O	Ant2	5280	NV	-20	-60000.00	-11.363636	20	PASS
11AC20SIS O	Ant2	5280	NV	-10	-60000.00	-11.363636	20	PASS
11AC20SIS O	Ant2	5280	NV	0	-60000.00	-11.363636	20	PASS
11AC20SIS O	Ant2	5280	NV	10	-60000.00	-11.363636	20	PASS
11AC20SIS O	Ant2	5280	NV	20	-40000.00	-7.575758	20	PASS
11AC20SIS O	Ant2	5280	NV	30	-60000.00	-11.363636	20	PASS
11AC20SIS O	Ant2	5280	NV	40	-60000.00	-11.363636	20	PASS
11AC20SIS O	Ant2	5280	NV	50	-60000.00	-11.363636	20	PASS
11AC20SIS O	Ant2	5320	NV	-30	-80000.00	-15.037594	20	PASS
11AC20SIS O	Ant2	5320	NV	-20	-60000.00	-11.278195	20	PASS
11AC20SIS O	Ant2	5320	NV	-10	-60000.00	-11.278195	20	PASS
11AC20SIS O	Ant2	5320	NV	0	-60000.00	-11.278195	20	PASS
11AC20SIS O	Ant2	5320	NV	10	-60000.00	-11.278195	20	PASS
11AC20SIS O	Ant2	5320	NV	20	-60000.00	-11.278195	20	PASS



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11AC20SIS O	Ant2	5320	NV	30	-60000.00	-11.278195	20	PASS
11AC20SIS O	Ant2	5320	NV	40	-60000.00	-11.278195	20	PASS
11AC20SIS O	Ant2	5320	NV	50	-60000.00	-11.278195	20	PASS
11AC40SIS O	Ant2	5270	NV	-30	-40000.00	-7.590133	20	PASS
11AC40SIS O	Ant2	5270	NV	-20	-40000.00	-7.590133	20	PASS
11AC40SIS O	Ant2	5270	NV	-10	-40000.00	-7.590133	20	PASS
11AC40SIS O	Ant2	5270	NV	0	-40000.00	-7.590133	20	PASS
11AC40SIS O	Ant2	5270	NV	10	-40000.00	-7.590133	20	PASS
11AC40SIS O	Ant2	5270	NV	20	-40000.00	-7.590133	20	PASS
11AC40SIS O	Ant2	5270	NV	30	0.00	0.000000	20	PASS
11AC40SIS O	Ant2	5270	NV	40	-40000.00	-7.590133	20	PASS
11AC40SIS O	Ant2	5270	NV	50	-40000.00	-7.590133	20	PASS
11AC40SIS O	Ant2	5310	NV	-30	-40000.00	-7.532957	20	PASS
11AC40SIS O	Ant2	5310	NV	-20	-40000.00	-7.532957	20	PASS
11AC40SIS O	Ant2	5310	NV	-10	-80000.00	-15.065913	20	PASS
11AC40SIS O	Ant2	5310	NV	0	-40000.00	-7.532957	20	PASS
11AC40SIS O	Ant2	5310	NV	10	-40000.00	-7.532957	20	PASS
11AC40SIS O	Ant2	5310	NV	20	-80000.00	-15.065913	20	PASS
11AC40SIS O	Ant2	5310	NV	30	-40000.00	-7.532957	20	PASS
11AC40SIS O	Ant2	5310	NV	40	-40000.00	-7.532957	20	PASS
11AC40SIS O	Ant2	5310	NV	50	-40000.00	-7.532957	20	PASS
11AC80SIS	Ant2	5290	NV	-30	-80000.00	-15.122873	20	PASS



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O								
11AC80SIS O	Ant2	5290	NV	-20	-80000.00	-15.122873	20	PASS
11AC80SIS O	Ant2	5290	NV	-10	-80000.00	-15.122873	20	PASS
11AC80SIS O	Ant2	5290	NV	0	-80000.00	-15.122873	20	PASS
11AC80SIS O	Ant2	5290	NV	10	-80000.00	-15.122873	20	PASS
11AC80SIS O	Ant2	5290	NV	20	-80000.00	-15.122873	20	PASS
11AC80SIS O	Ant2	5290	NV	30	-80000.00	-15.122873	20	PASS
11AC80SIS O	Ant2	5290	NV	40	-80000.00	-15.122873	20	PASS
11AC80SIS O	Ant2	5290	NV	50	-80000.00	-15.122873	20	PASS



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E.6 Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Dc Factor [%]	1/T
11A	Ant1	5260	1.39	1.42	97.89	0.09	0.72
11A	Ant1	5280	1.39	1.42	97.89	0.09	0.72
11A	Ant1	5320	1.39	1.42	97.89	0.09	0.72
11N20SISO	Ant1	5260	1.30	1.33	97.74	0.10	0.77
11N20SISO	Ant1	5280	1.30	1.34	97.01	0.13	0.77
11N20SISO	Ant1	5320	1.30	1.33	97.74	0.10	0.77
11N40SISO	Ant1	5270	0.65	0.69	94.20	0.26	1.54
11N40SISO	Ant1	5310	0.65	0.69	94.20	0.26	1.54
11AC20SISO	Ant1	5260	0.15	0.18	83.33	0.79	6.67
11AC20SISO	Ant1	5280	0.14	0.18	77.78	1.09	7.14
11AC20SISO	Ant1	5320	0.15	0.19	78.95	1.03	6.67
11AC40SISO	Ant1	5270	0.65	0.69	94.20	0.26	1.54
11AC40SISO	Ant1	5310	0.65	0.69	94.20	0.26	1.54
11AC80SISO	Ant1	5290	0.33	0.36	91.67	0.38	3.03



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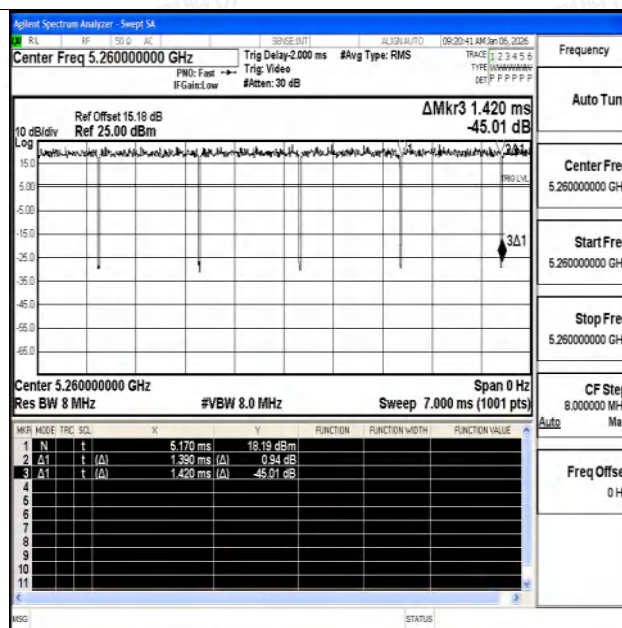
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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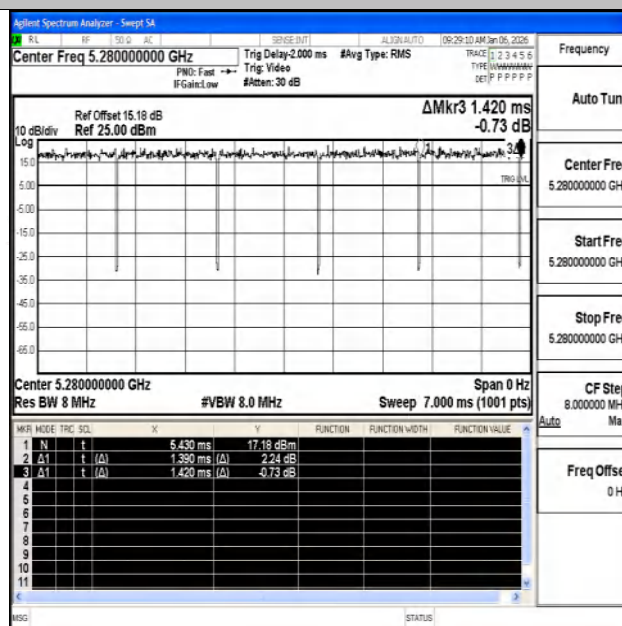
Scan code to check authenticity



Test Graphs



NTNV-11A-Ant1-5260



NTNV-11A-Ant1-5280

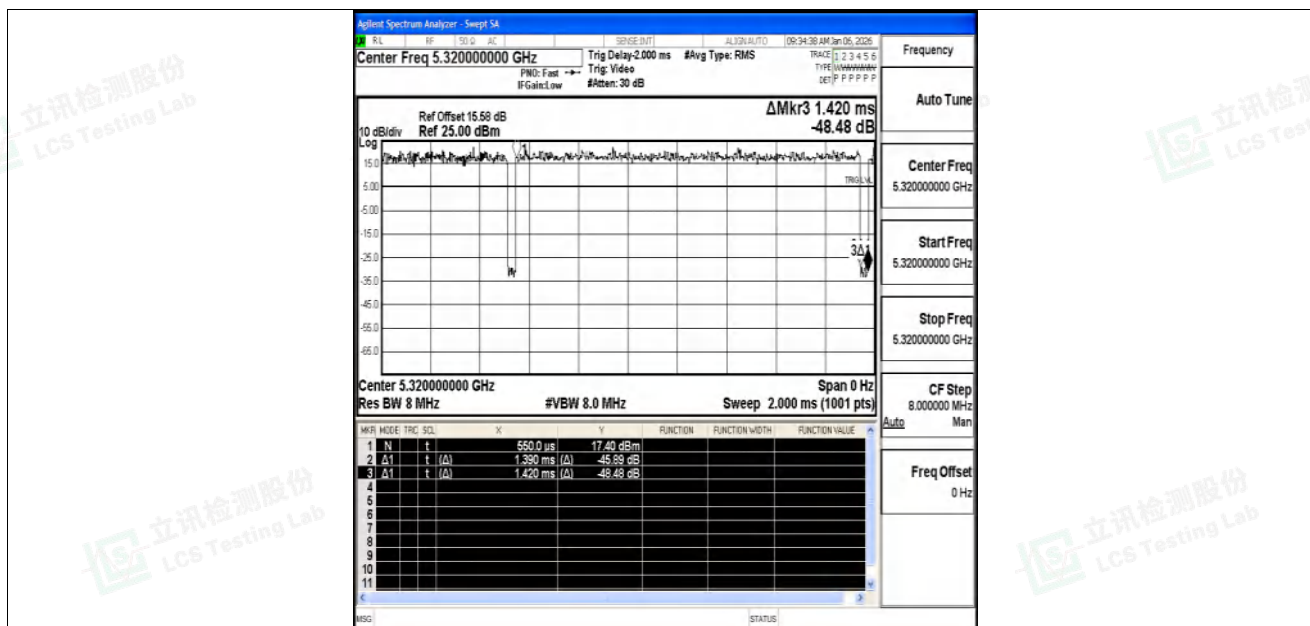


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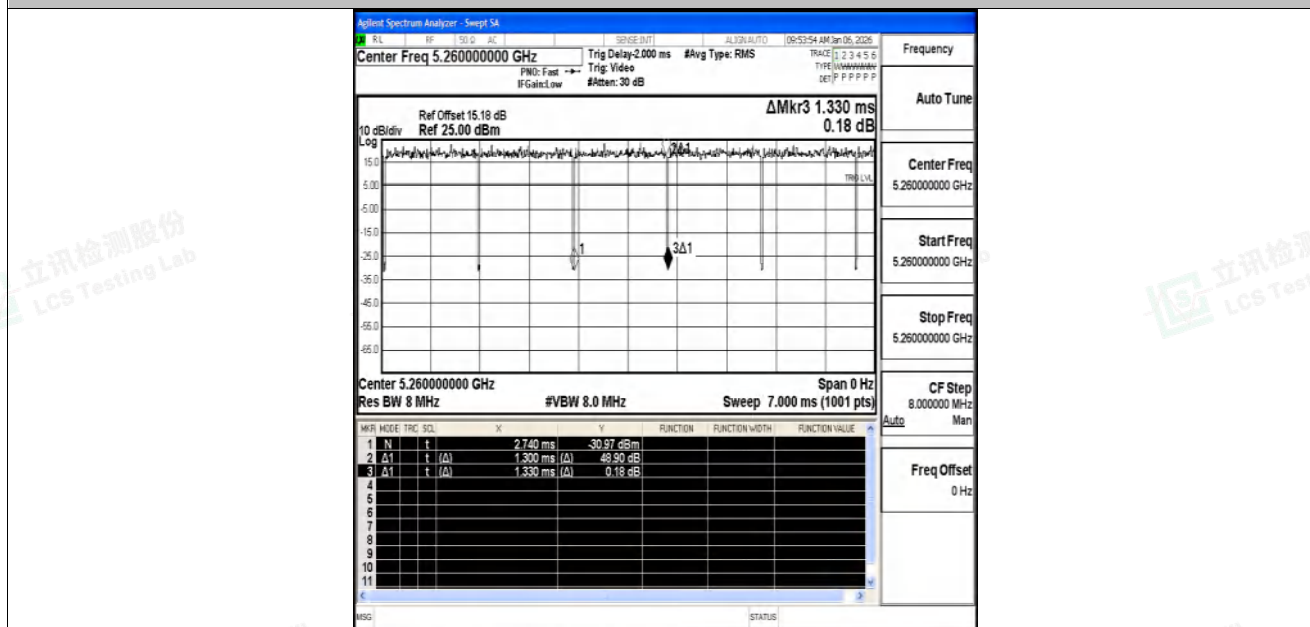
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NTNV-11A-Ant1-5320



NTNV-11N20SISO-Ant1-5260

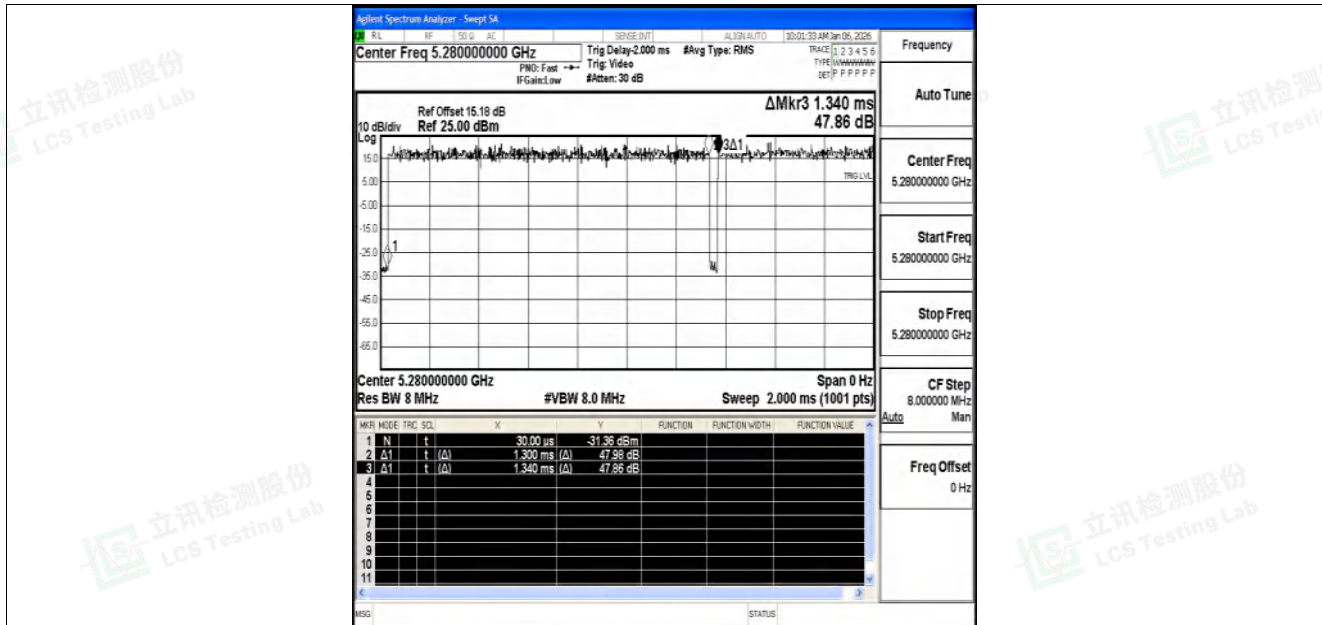


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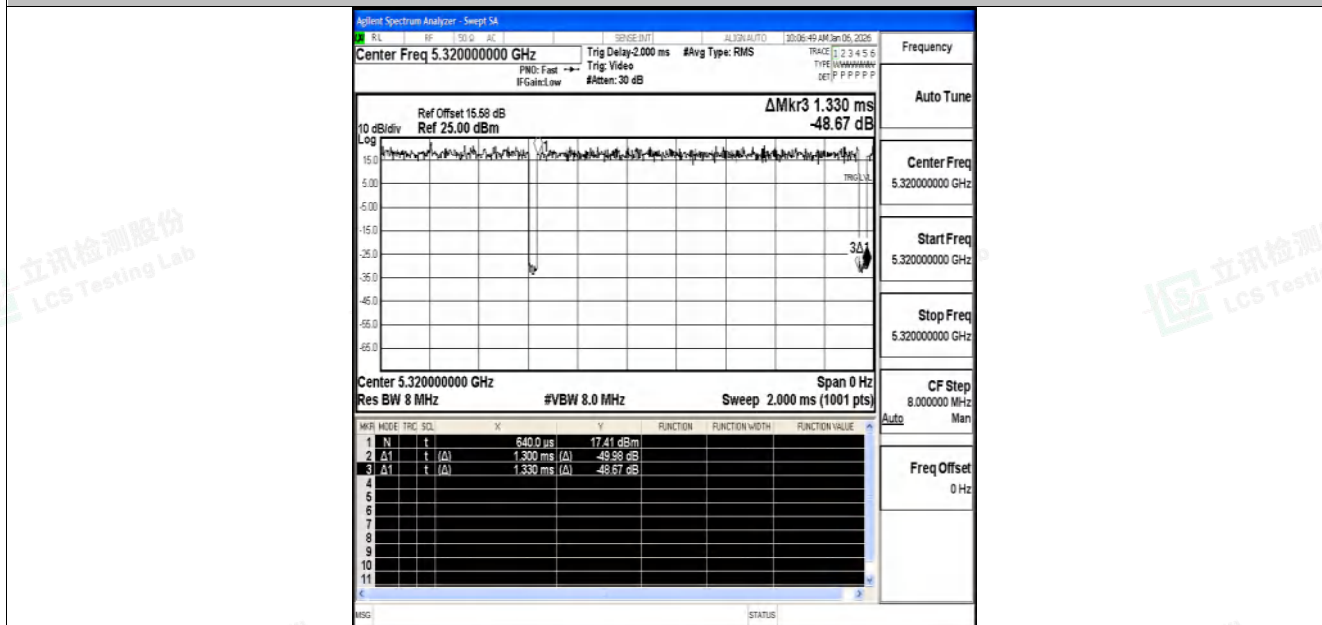
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NTNV-11N20SISO-Ant1-5280



NTNV-11N20SISO-Ant1-5320

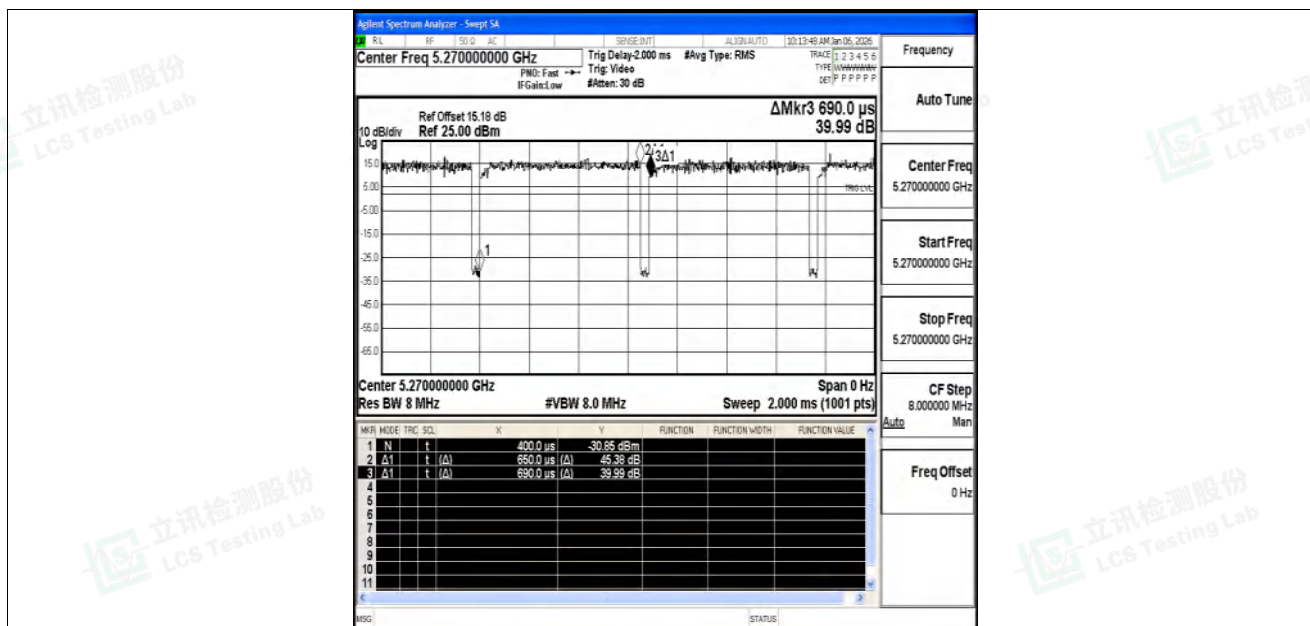


Shenzhen LCS Compliance Testing Laboratory Ltd.

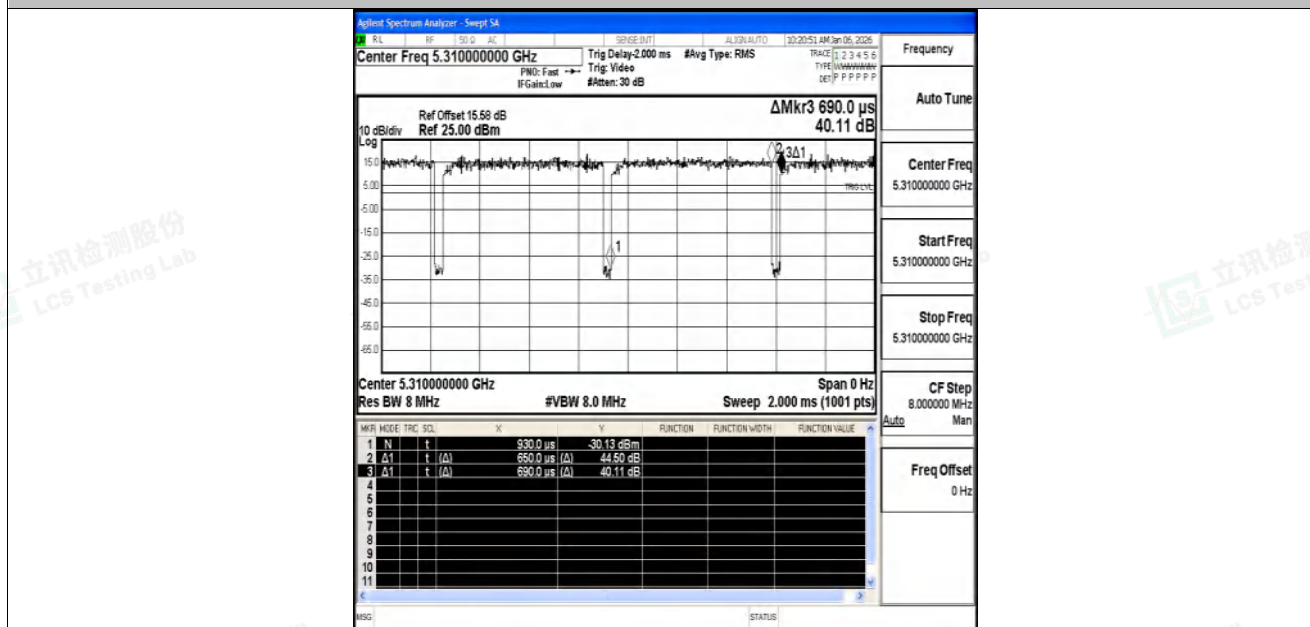
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NTNV-11N40SISO-Ant1-5310

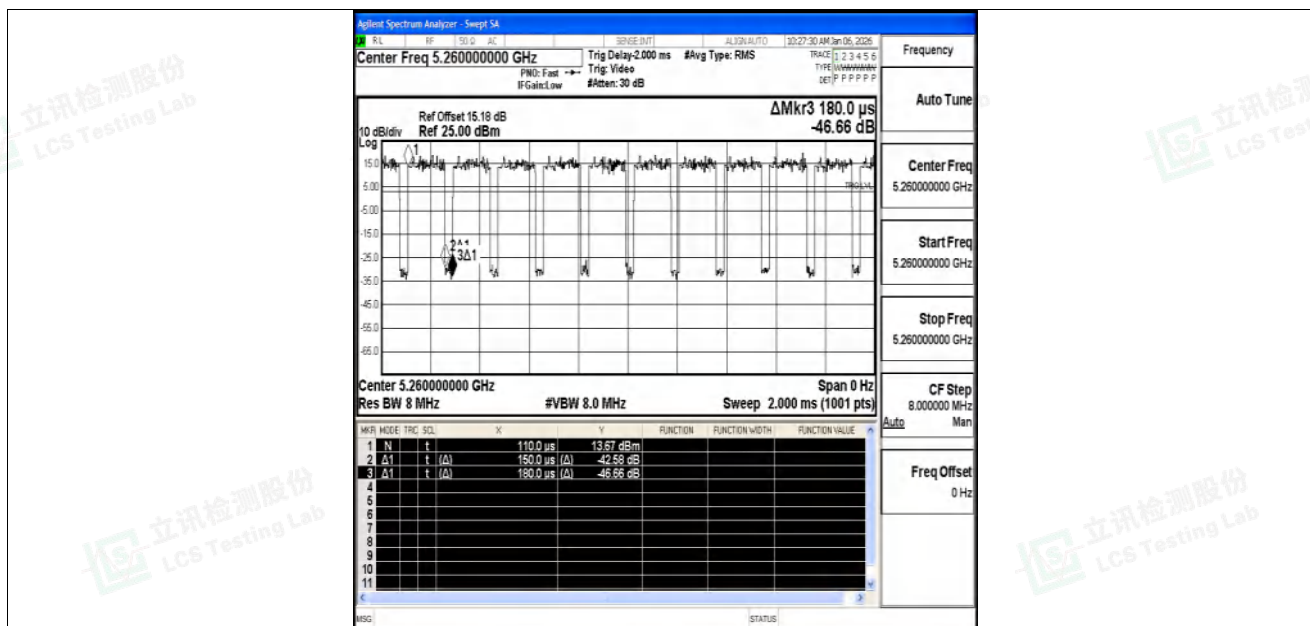


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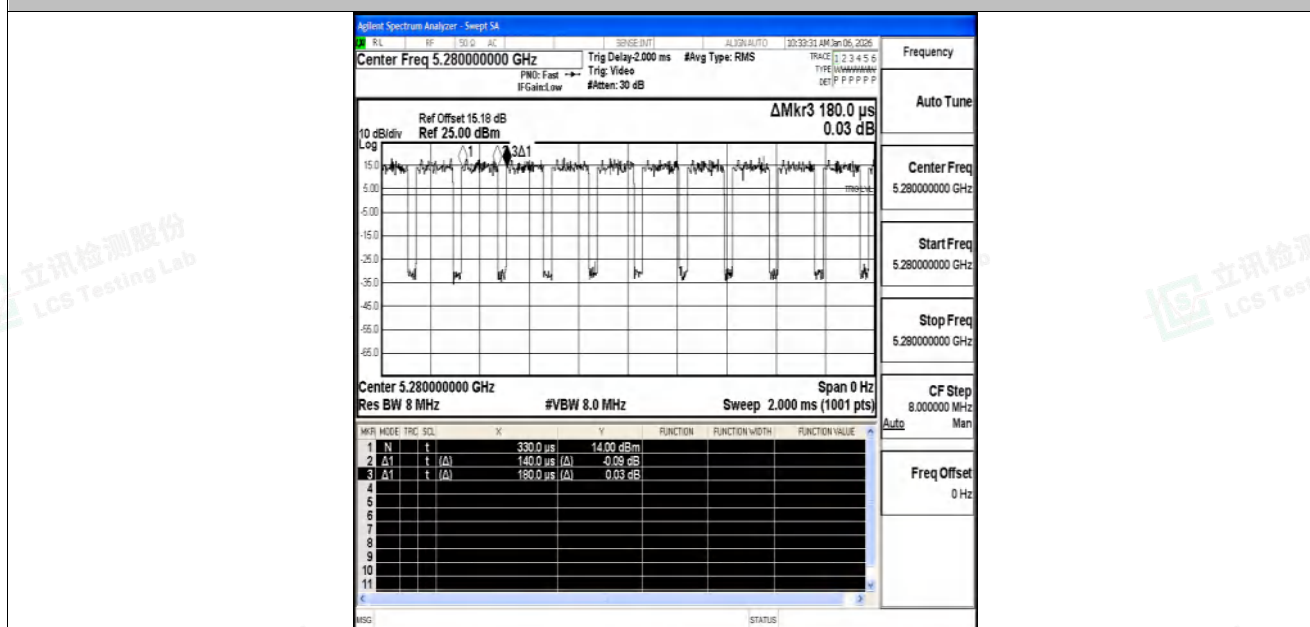
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NTNV-11AC20SISO-Ant1-5260



NTNV-11AC20SISO-Ant1-5280

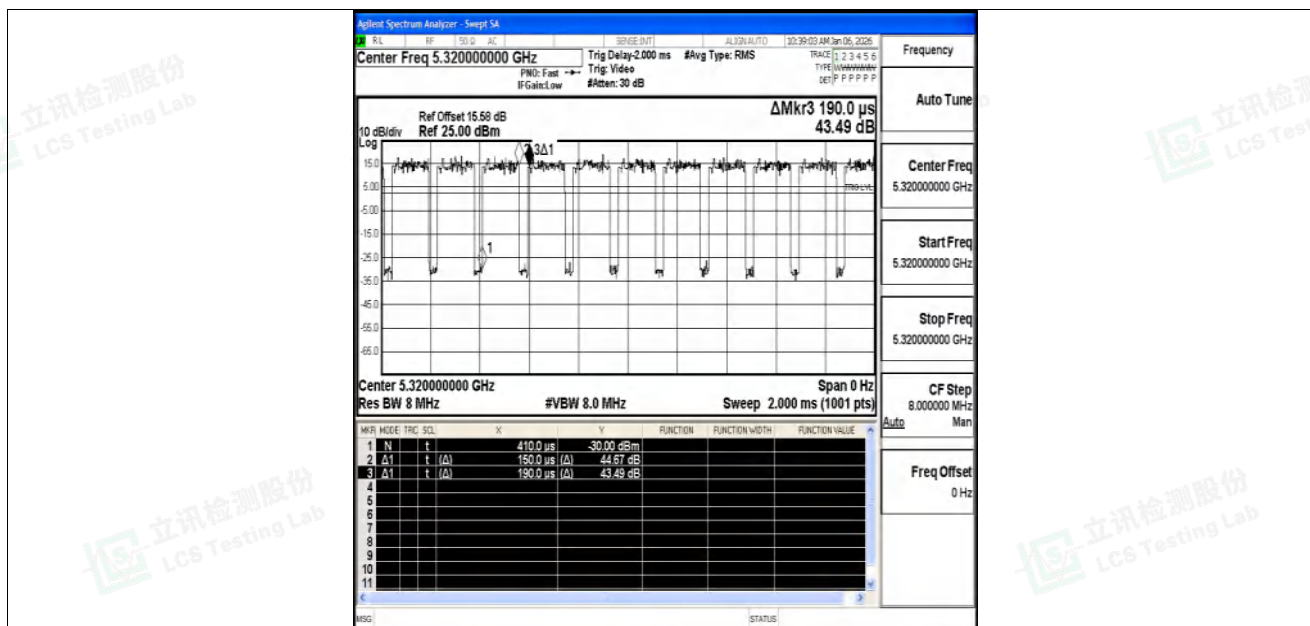


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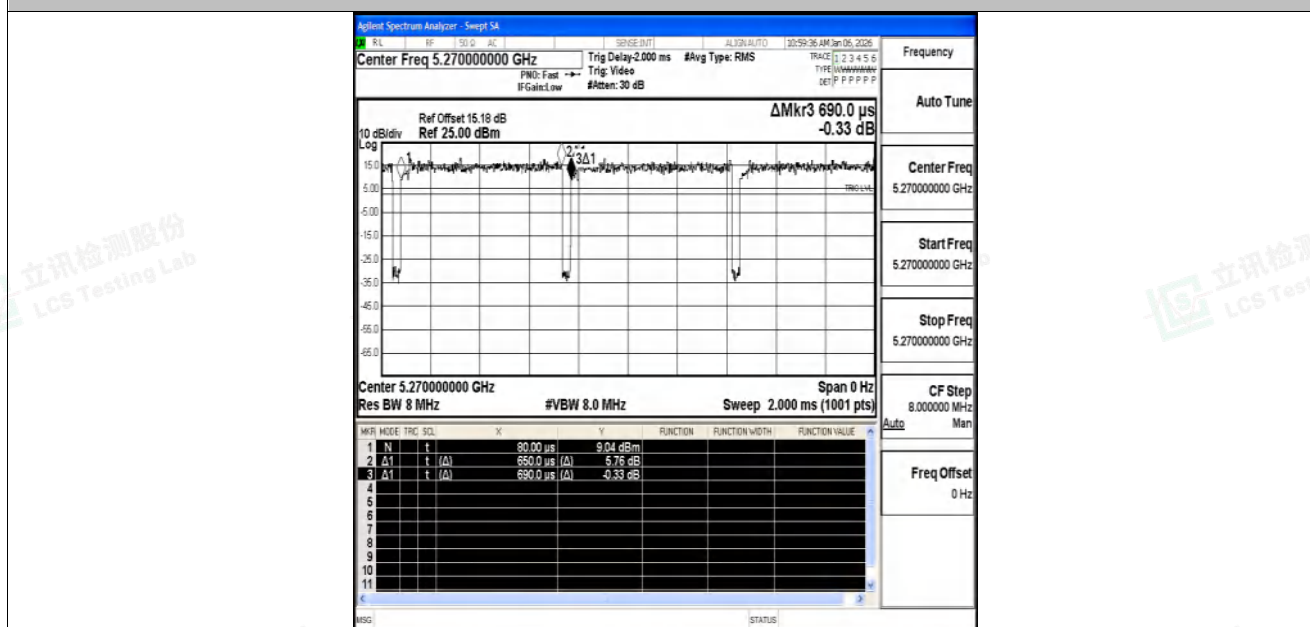
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NTNV-11AC40SISO-Ant1-5270

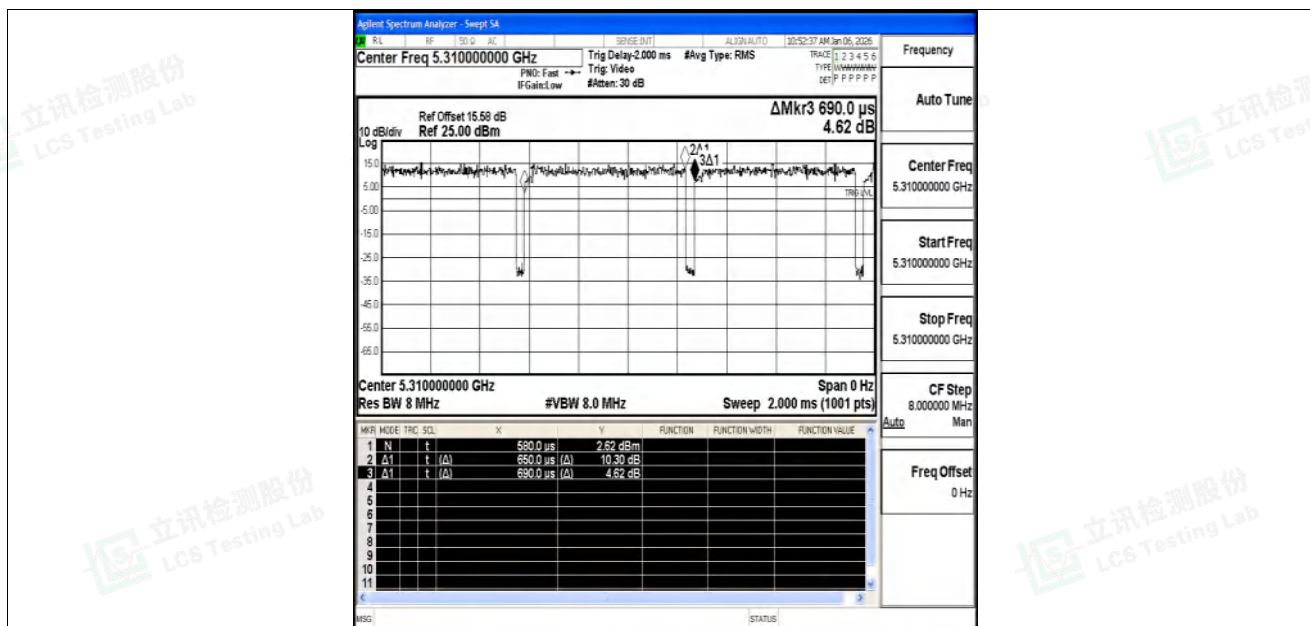


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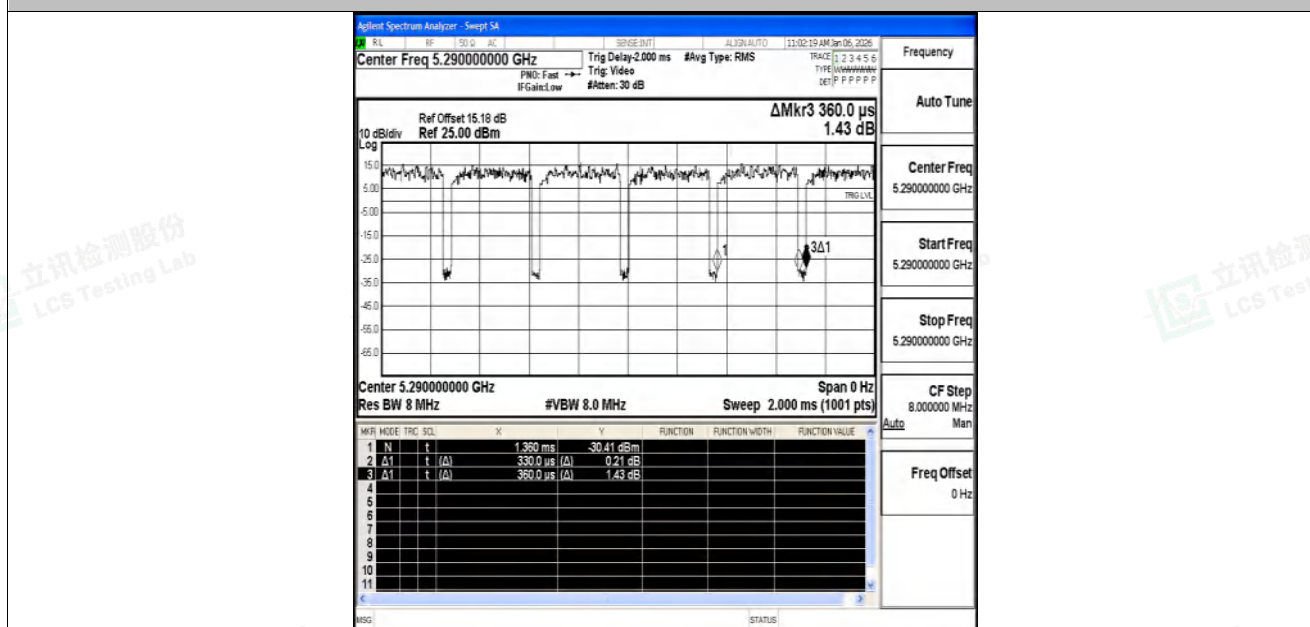
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NTNV-11AC40SISO-Ant1-5310



NTNV-11AC80SISO-Ant1-5290



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Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Dc Factor [%]	1/T
11A	Ant2	5260	1.39	1.42	97.89	0.09	0.72
11A	Ant2	5280	1.39	1.43	97.20	0.12	0.72
11A	Ant2	5320	1.39	1.42	97.89	0.09	0.72
11N20SISO	Ant2	5260	1.30	1.33	97.74	0.10	0.77
11N20SISO	Ant2	5280	1.30	1.33	97.74	0.10	0.77
11N20SISO	Ant2	5320	1.30	1.33	97.74	0.10	0.77
11N40SISO	Ant2	5270	0.65	0.68	95.59	0.20	1.54
11N40SISO	Ant2	5310	0.65	0.68	95.59	0.20	1.54
11AC20SISO	Ant2	5260	0.14	0.18	77.78	1.09	7.14
11AC20SISO	Ant2	5280	0.14	0.18	77.78	1.09	7.14
11AC20SISO	Ant2	5320	0.15	0.18	83.33	0.79	6.67
11AC40SISO	Ant2	5270	0.65	0.69	94.20	0.26	1.54
11AC40SISO	Ant2	5310	0.65	0.69	94.20	0.26	1.54
11AC80SISO	Ant2	5290	0.32	0.36	88.89	0.51	3.13



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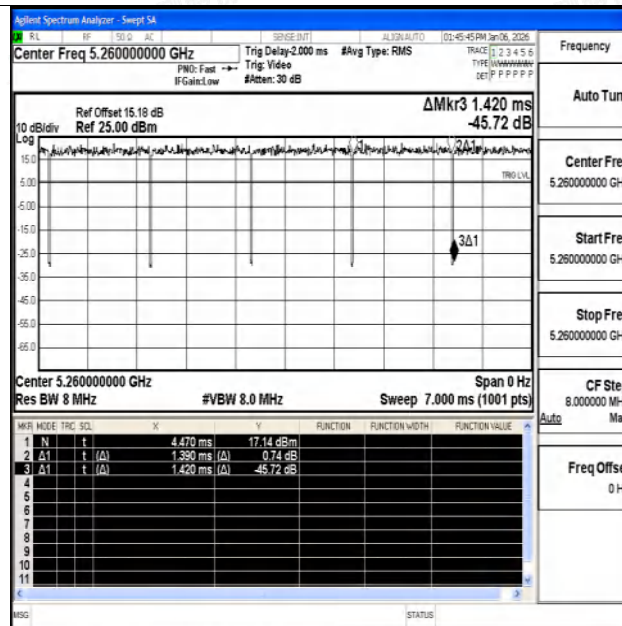
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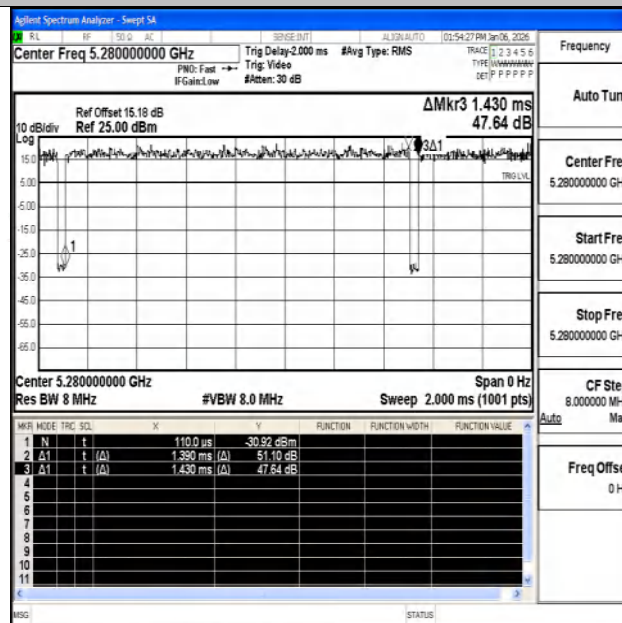
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Test Graphs



NTNV-11A-Ant2-5260



NTNV-11A-Ant2-5280

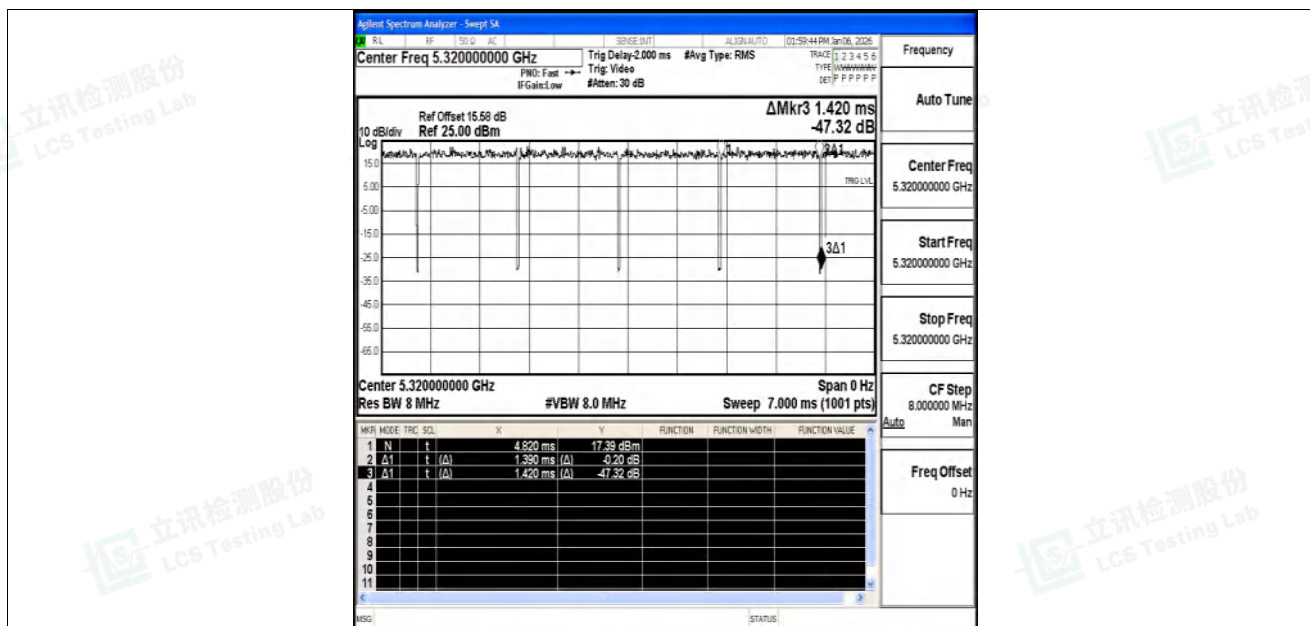


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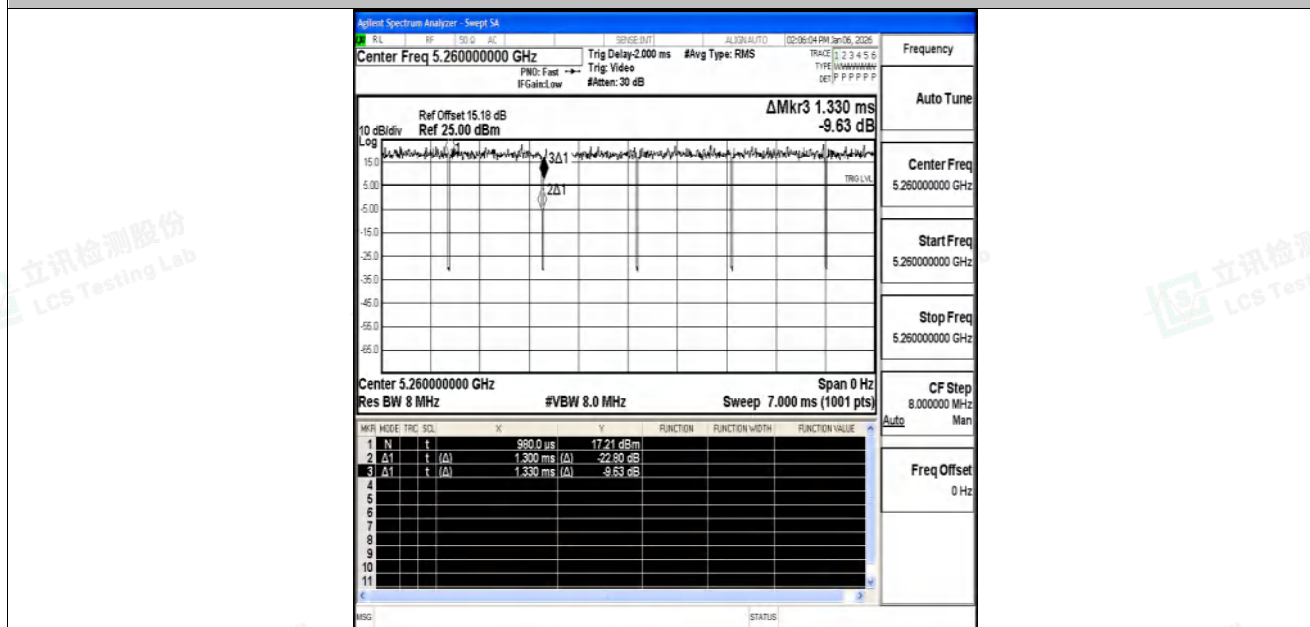
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NTNV-11A-Ant2-5320



NTNV-11N20SISO-Ant2-5260

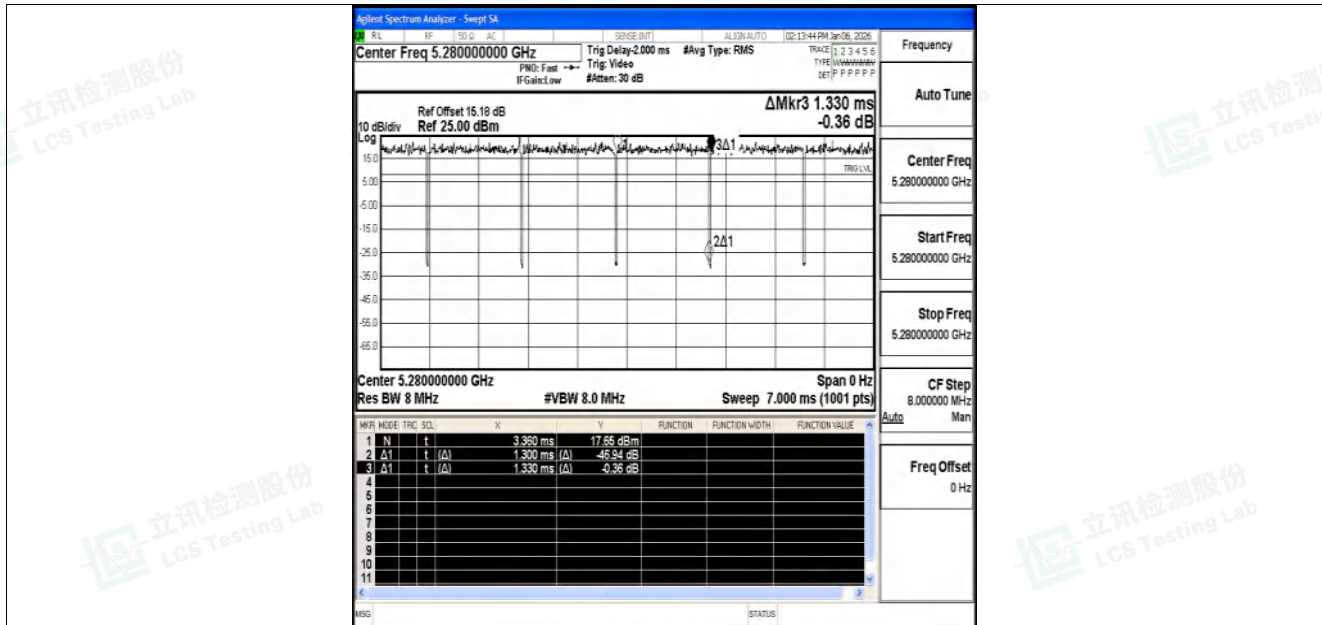


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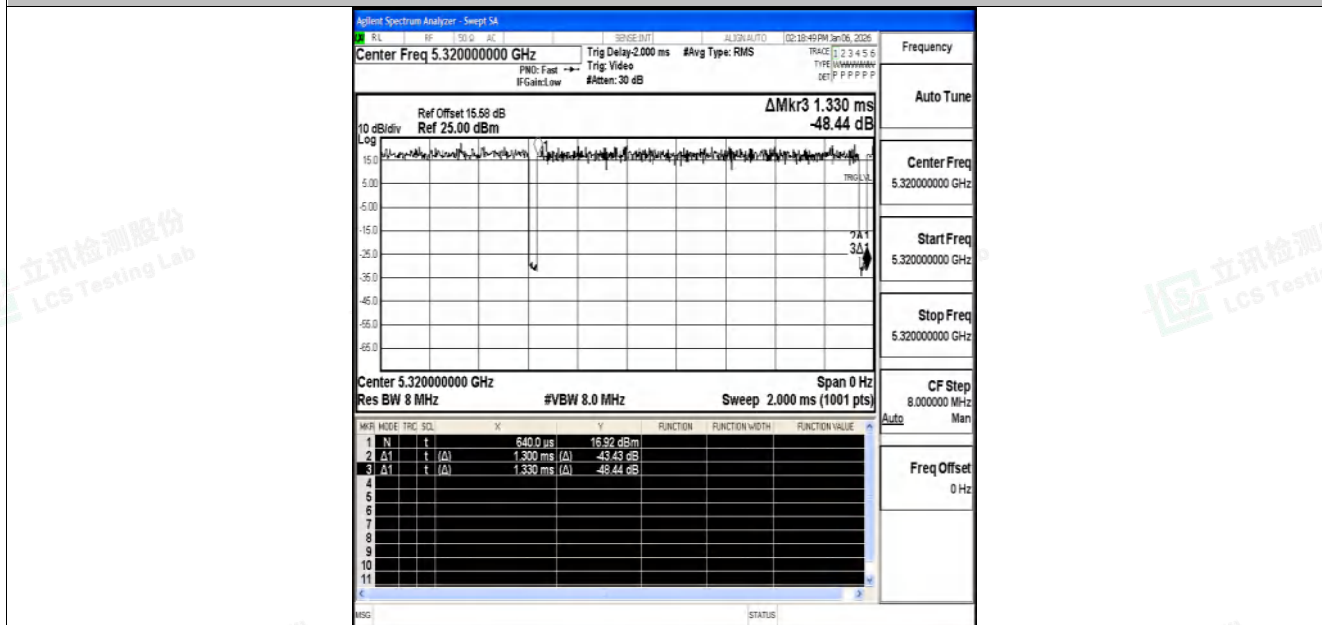
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NTNV-11N20SISO-Ant2-5320

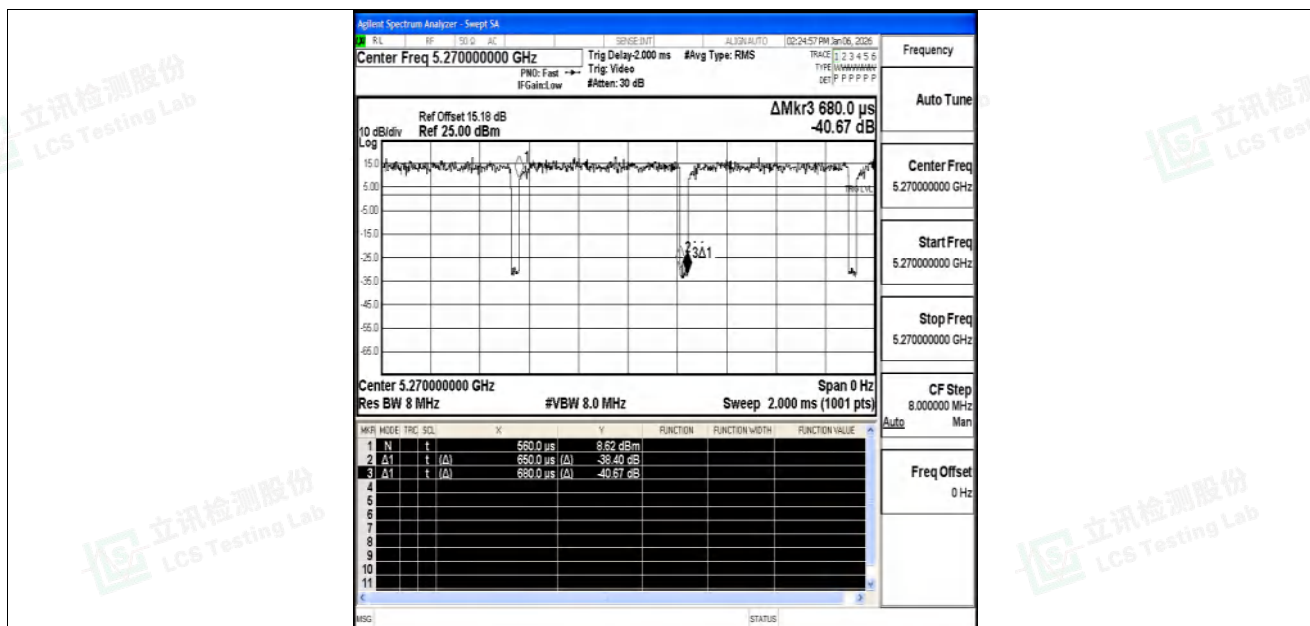


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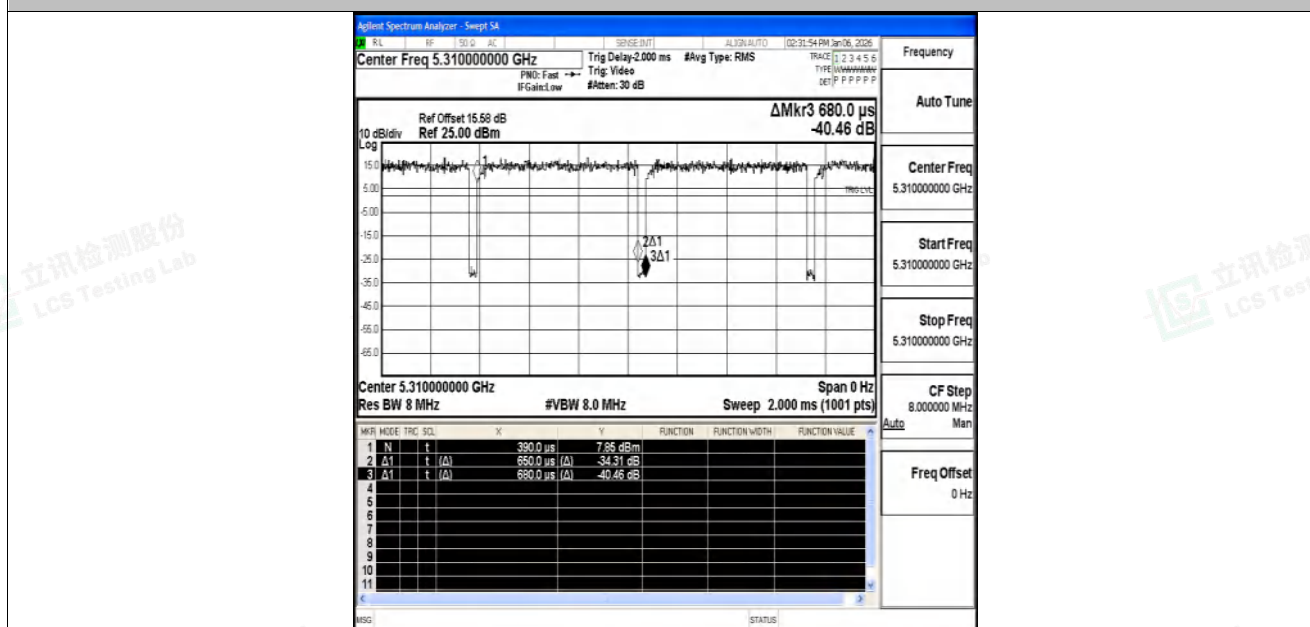
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NTNV-11N40SISO-Ant2-5270



NTNV-11N40SISO-Ant2-5310

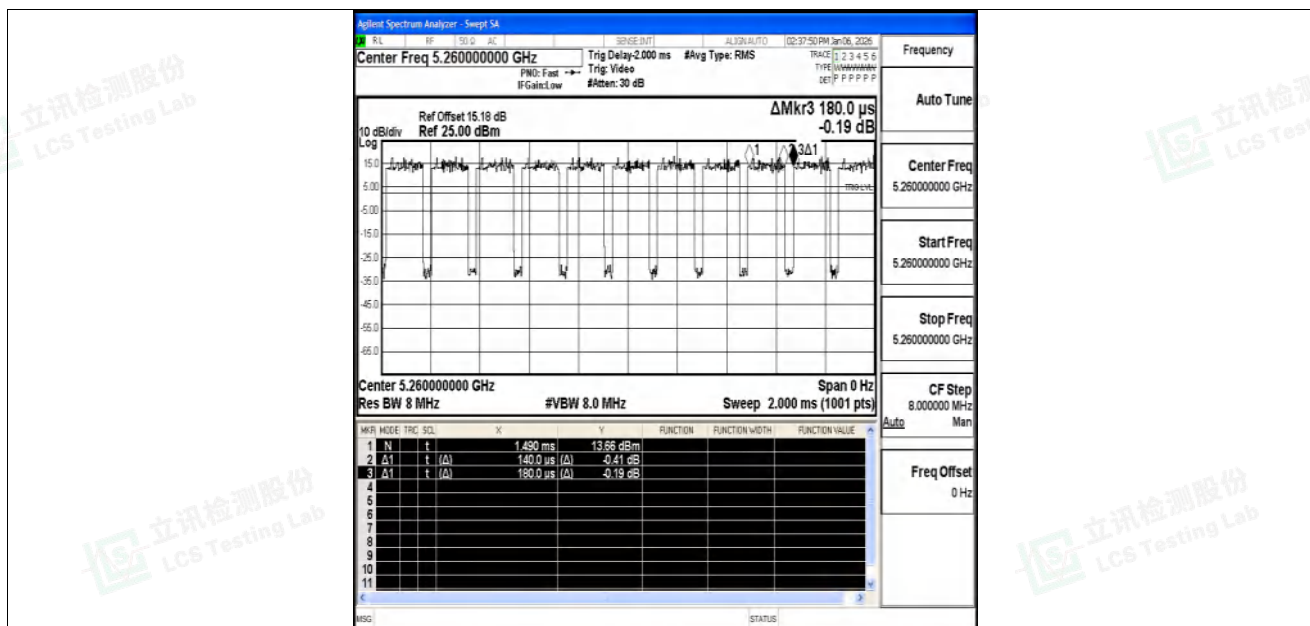


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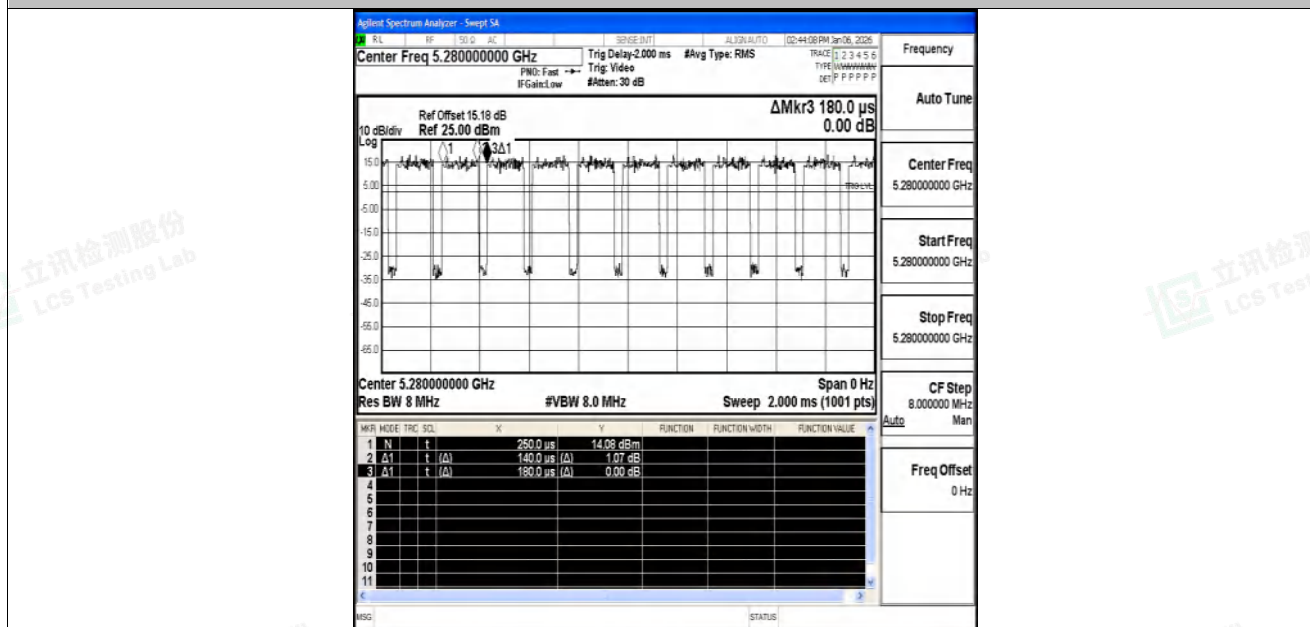
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NTNV-11AC20SISO-Ant2-5260



NTNV-11AC20SISO-Ant2-5280

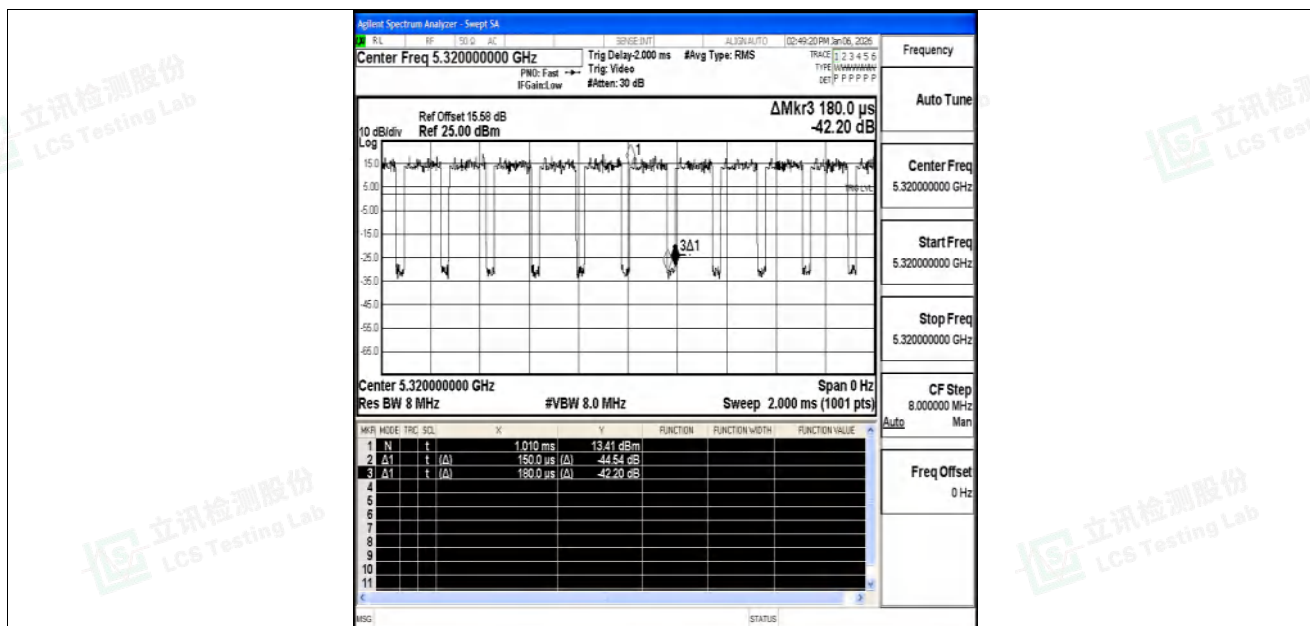


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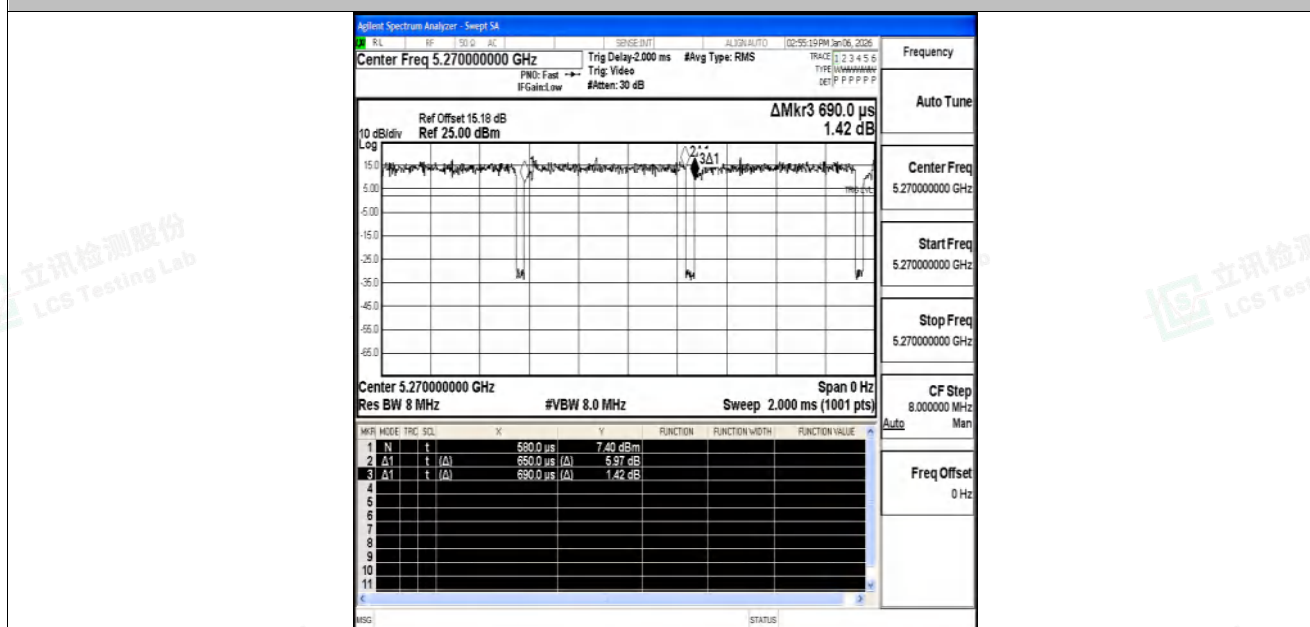
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NTNV-11AC20SISO-Ant2-5320



NTNV-11AC40SISO-Ant2-5270

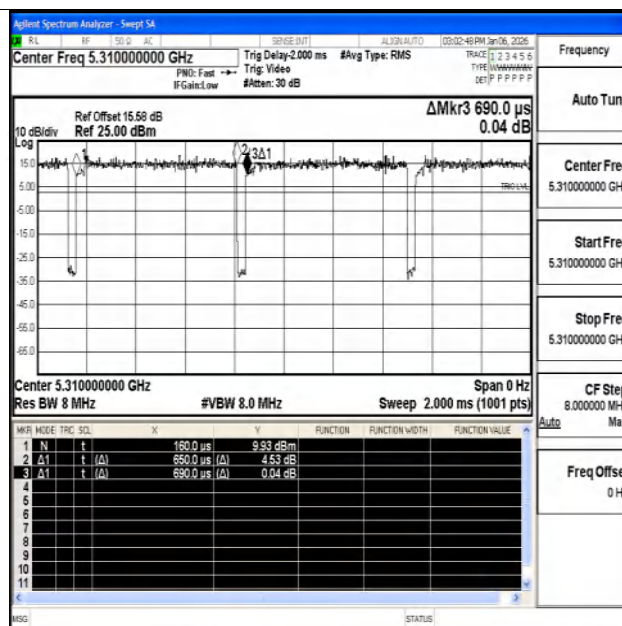


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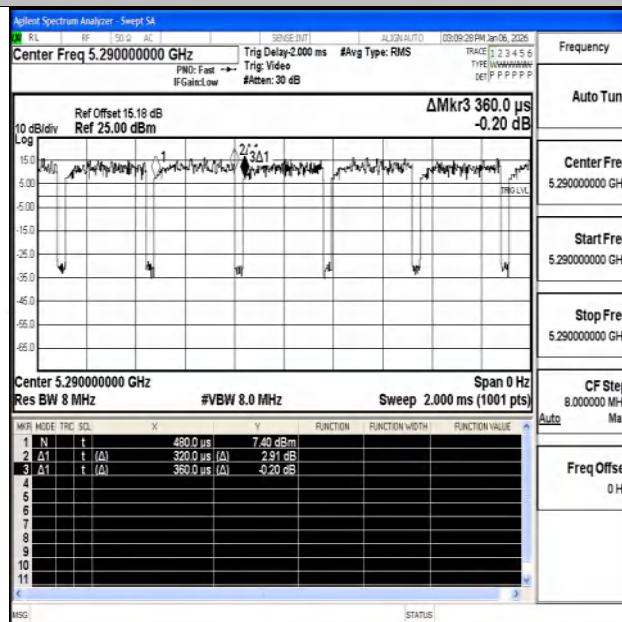
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NTNV-11AC40SISO-Ant2-5310



NTNV-11AC80SISO-Ant2-5290



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