



Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: TABLET PC

Test Model: T8

Environmental Conditions

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





D.1 Emission Bandwidth

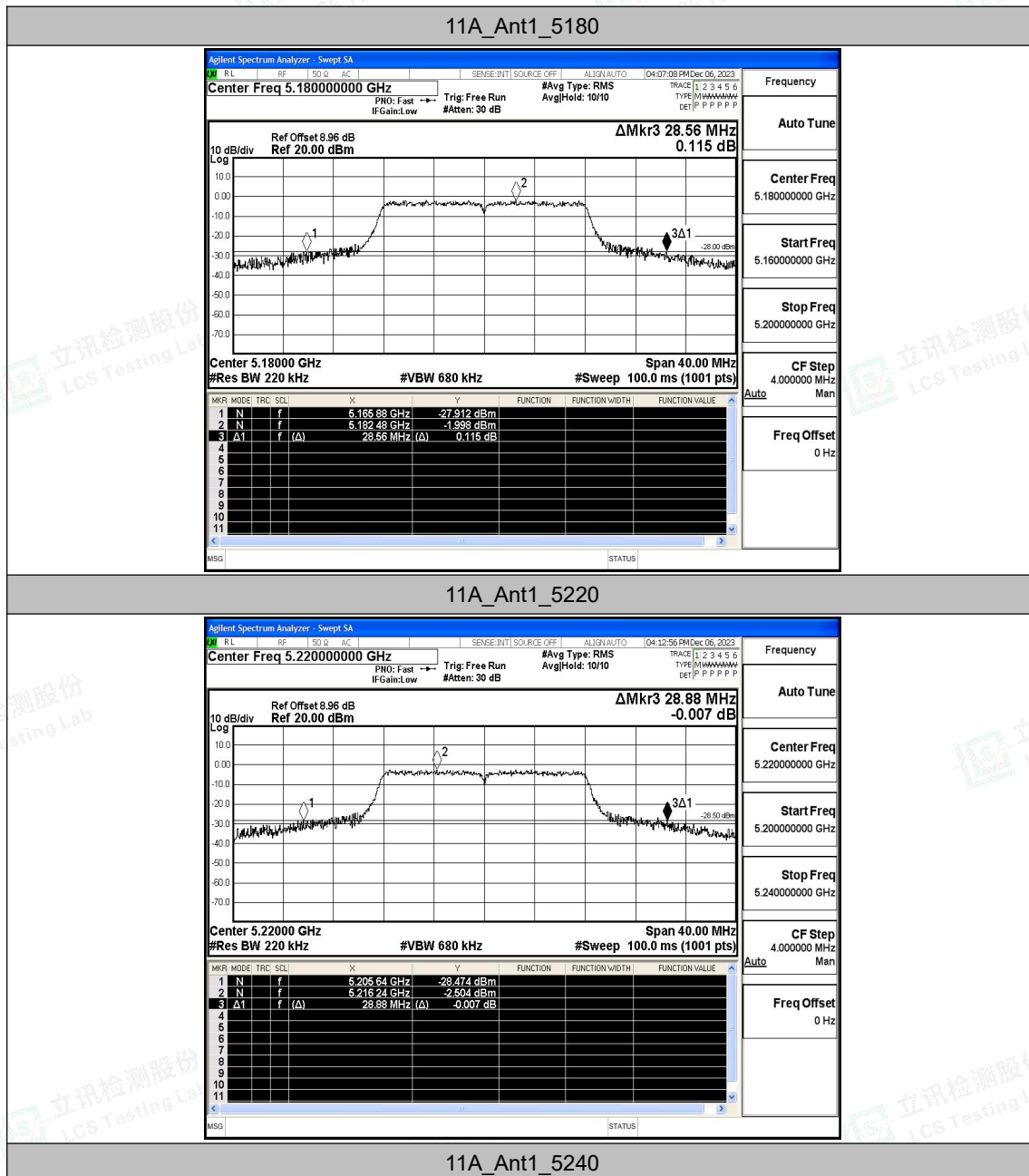
Test Result

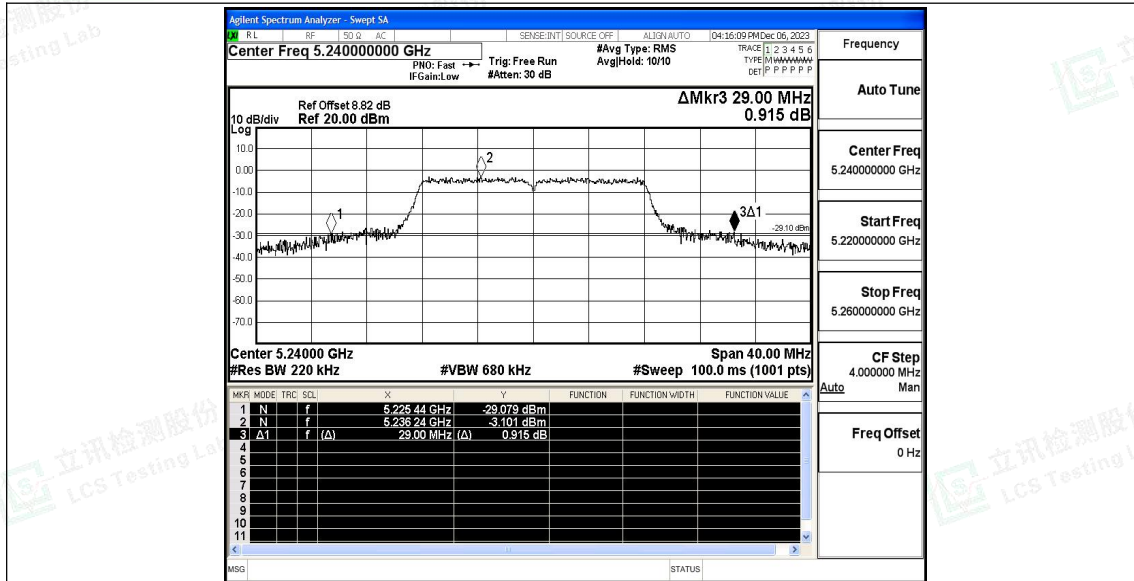
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	28.560	5165.880	5194.440	---	---
		5220	28.880	5205.640	5234.520	---	---
		5240	29.000	5225.440	5254.440	---	---
11N20SISO	Ant1	5180	30.840	5165.000	5195.840	---	---
		5220	32.640	5203.280	5235.920	---	---
		5240	29.120	5225.480	5254.600	---	---
11N40SISO	Ant1	5190	47.360	5168.400	5215.760	---	---
		5230	48.320	5207.760	5256.080	---	---
11AC20SISO	Ant1	5180	35.840	5163.360	5199.200	---	---
		5220	31.280	5205.200	5236.480	---	---
		5240	30.960	5224.600	5255.560	---	---
11AC40SISO	Ant1	5190	48.640	5167.360	5216.000	---	---
		5230	48.400	5207.520	5255.920	---	---
11AC80SISO	Ant1	5210	85.600	5166.000	5251.600	---	---



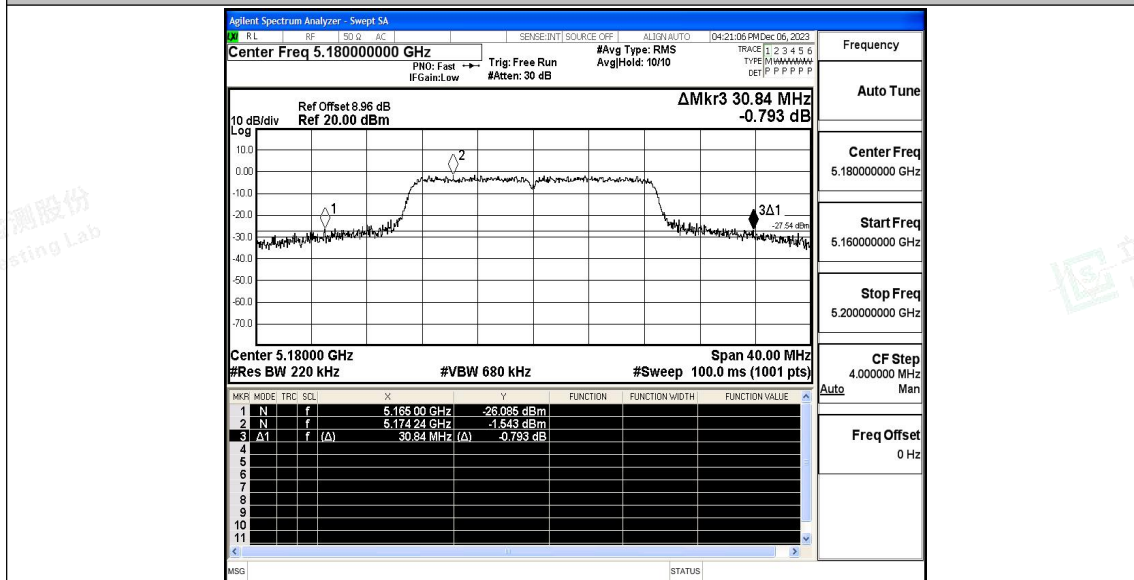


Test Graphs



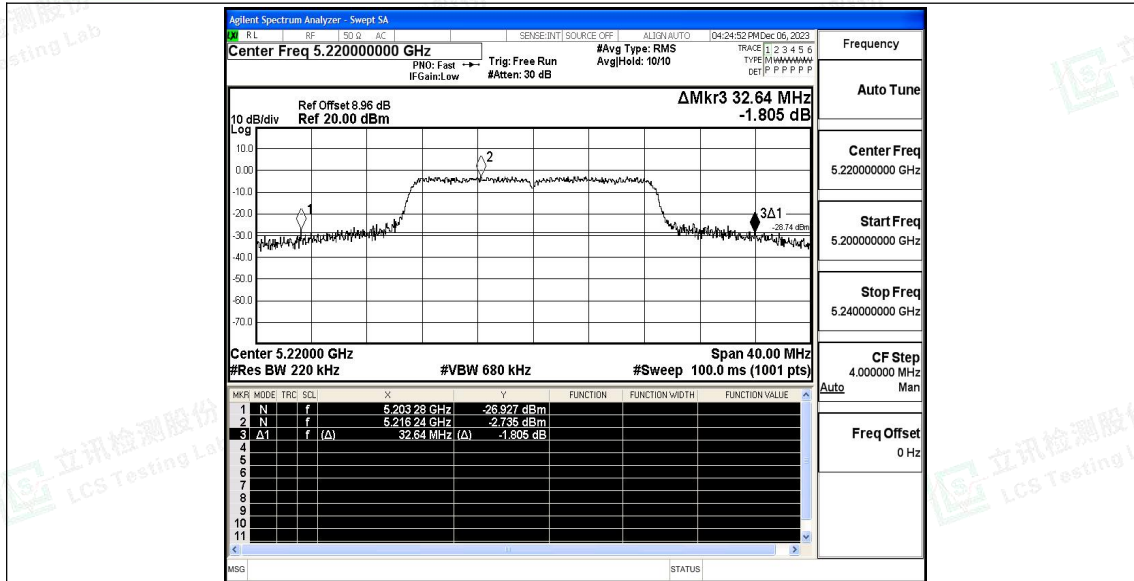


11N20SISO_Ant1_5180

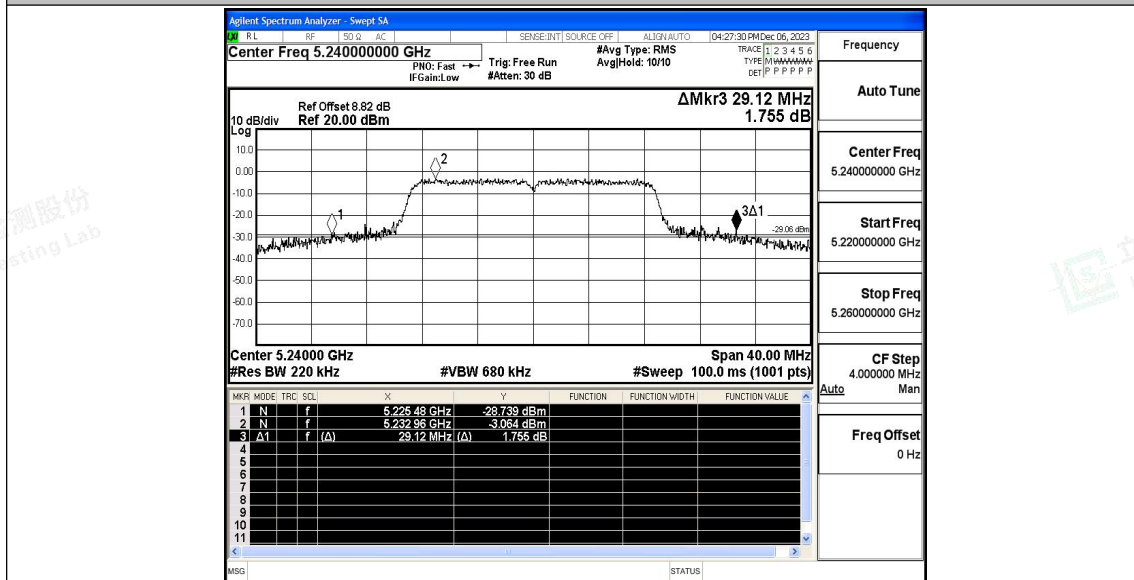


11N20SISO_Ant1_5220



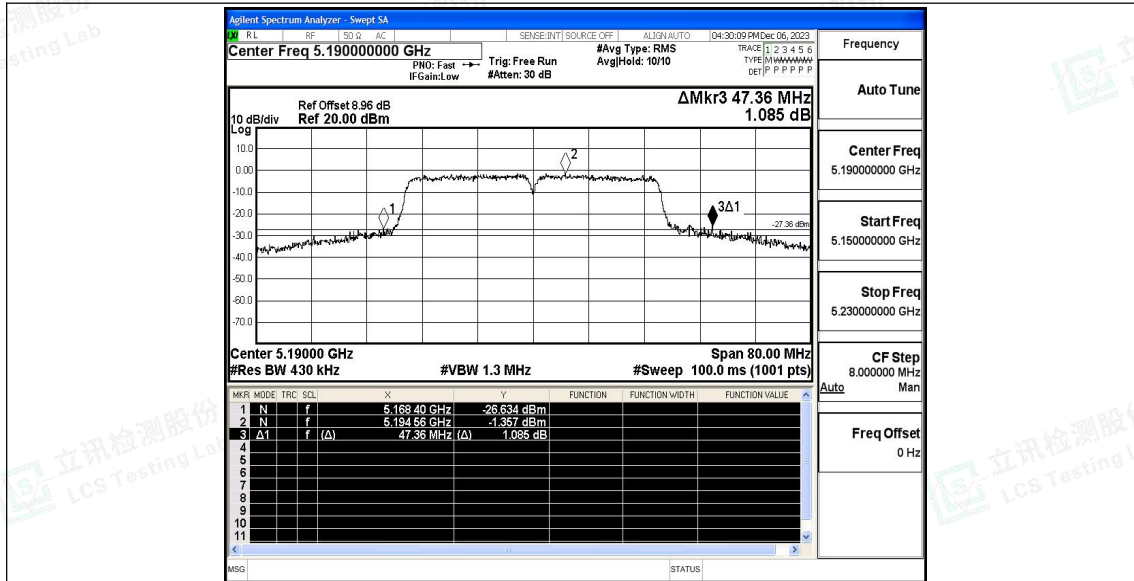


11N20SISO_Ant1_5240

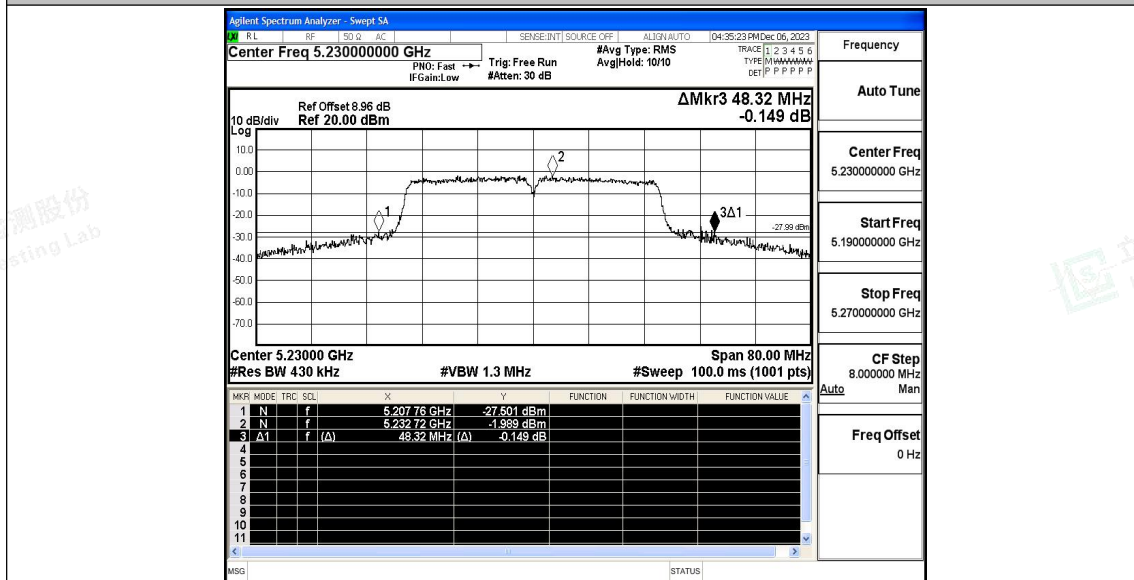


11N40SISO_Ant1_5190



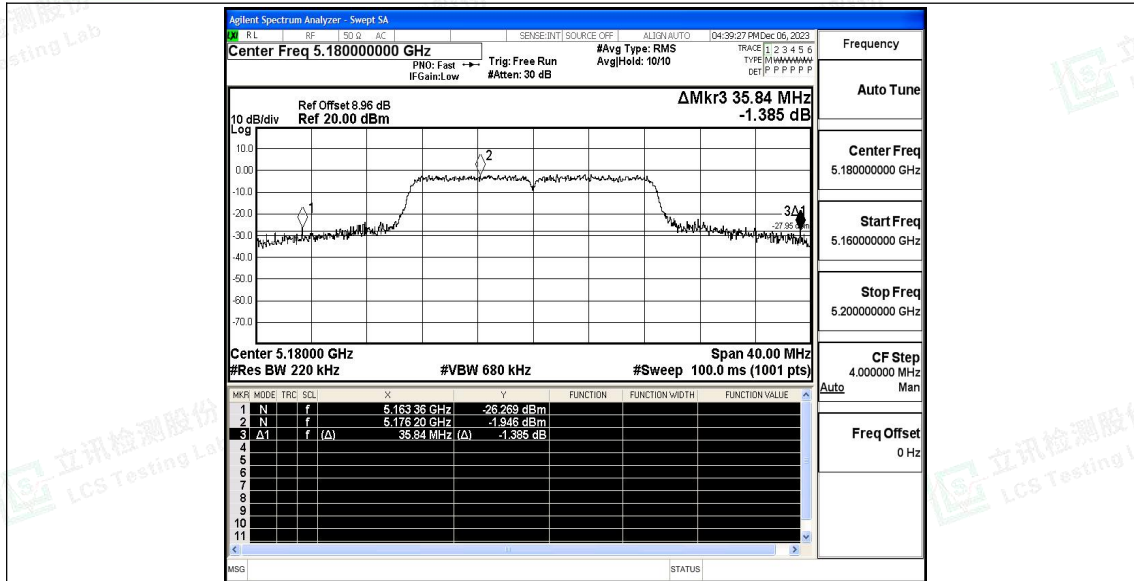


11N40SISO_Ant1_5230

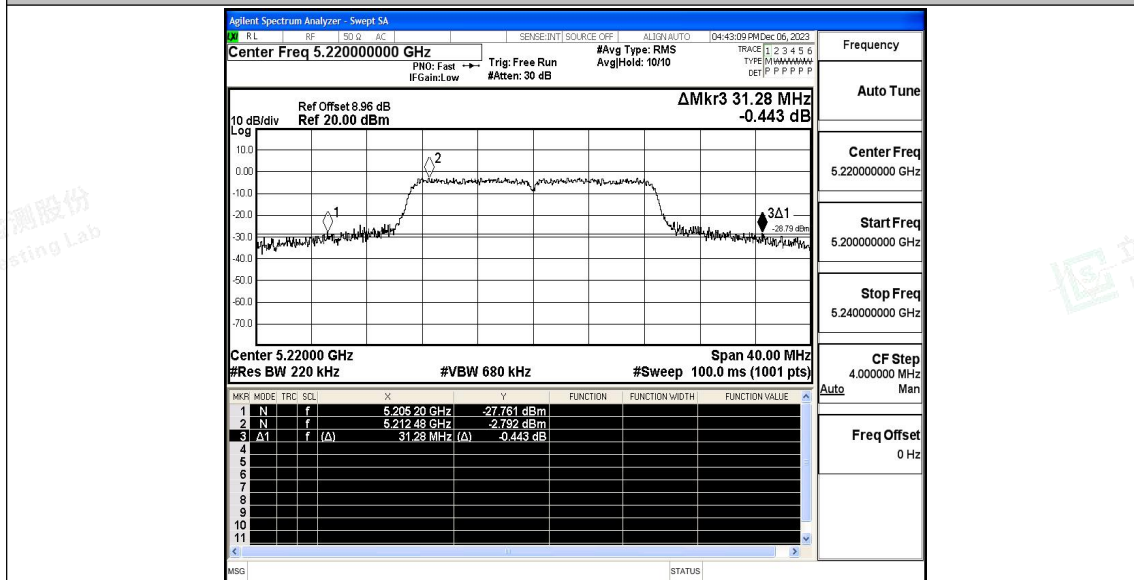


11AC20SISO_Ant1_5180



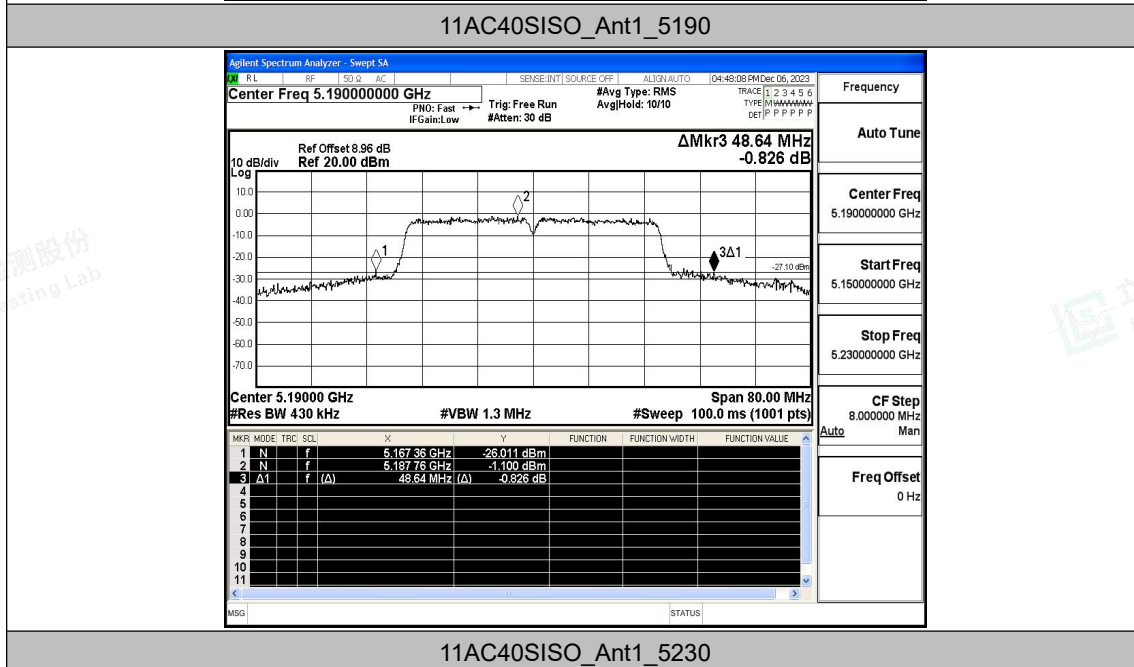
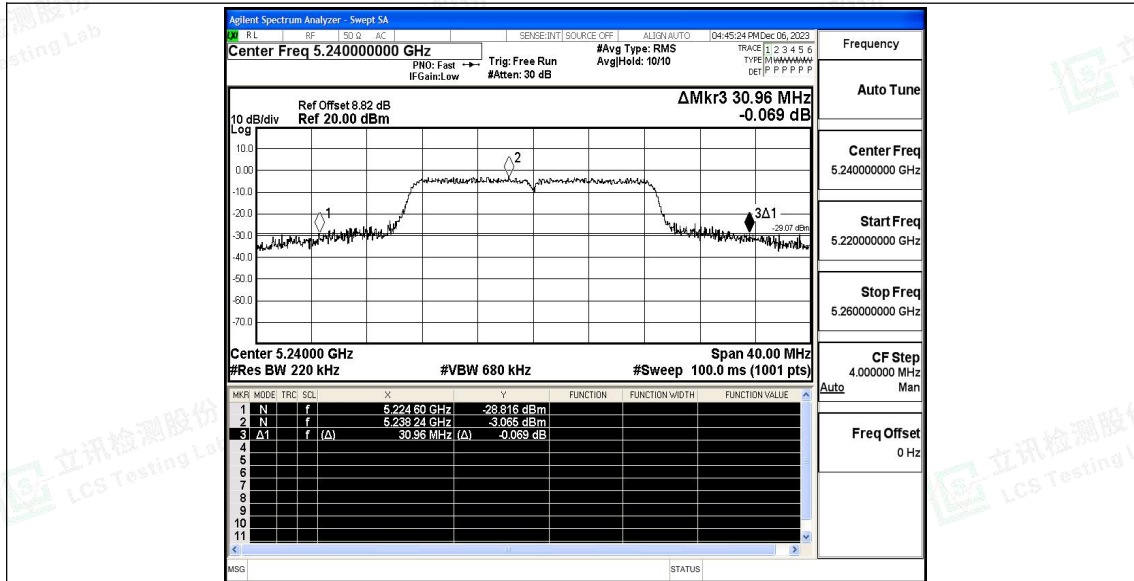


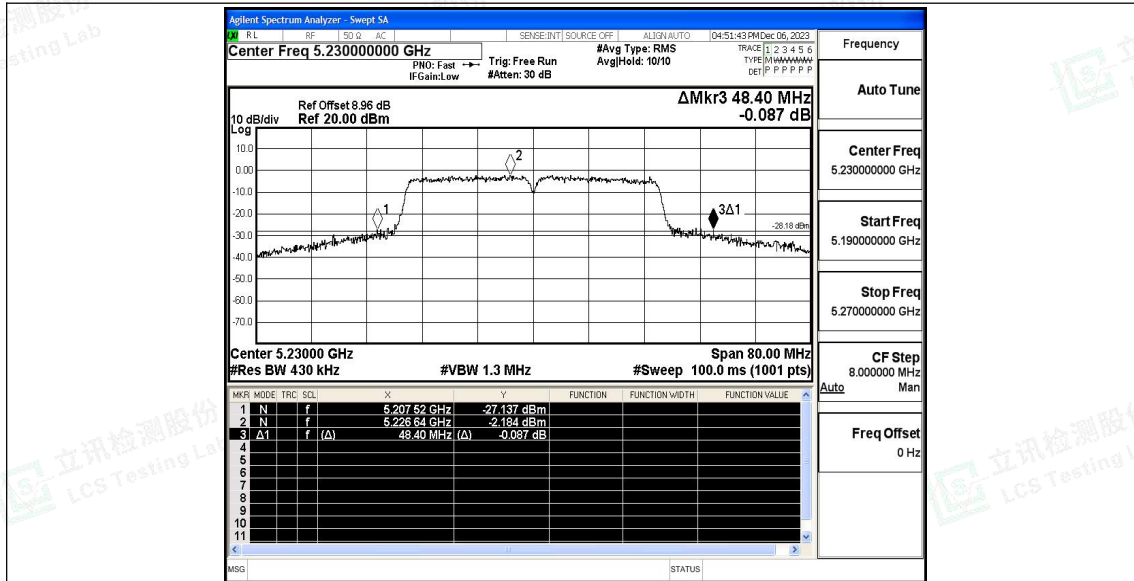
11AC20SISO_Ant1_5220



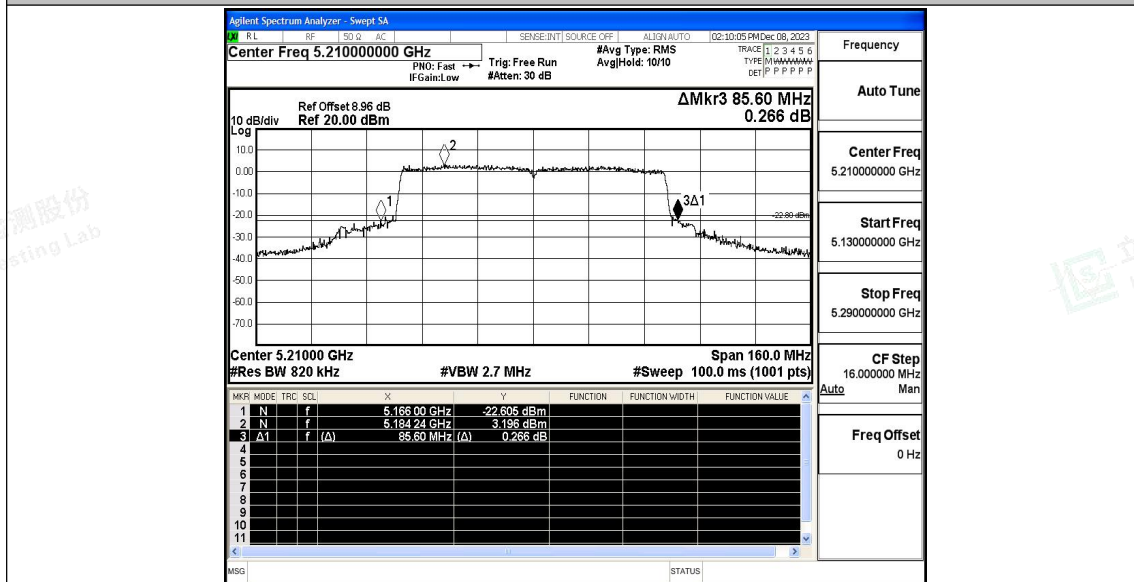
11AC20SISO_Ant1_5240







11AC80SISO_Ant1_5210





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	12.46	95.89	0.18	12.64	≤24	PASS
		5220	11.66	95.89	0.18	11.84	≤24	PASS
		5240	11.07	95.21	0.21	11.28	≤24	PASS
11N20SISO	Ant1	5180	12.59	95.16	0.22	12.81	≤24	PASS
		5220	11.87	95.16	0.22	12.09	≤24	PASS
		5240	11.36	95.16	0.22	11.58	≤24	PASS
11N40SISO	Ant1	5190	12.02	90.77	0.42	12.44	≤24	PASS
		5230	11.27	90.63	0.43	11.70	≤24	PASS
11AC20SISO	Ant1	5180	12.55	94.40	0.25	12.80	≤24	PASS
		5220	11.82	95.20	0.21	12.03	≤24	PASS
		5240	11.29	95.20	0.21	11.50	≤24	PASS
11AC40SISO	Ant1	5190	11.99	90.91	0.41	12.40	≤24	PASS
		5230	11.21	89.39	0.49	11.70	≤24	PASS
11AC80SISO	Ant1	5210	11.84	80.56	0.94	12.78	≤24	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	-2.87	≤11.00	PASS
		5220	-3.71	≤11.00	PASS
		5240	-4.19	≤11.00	PASS
11N20SISO	Ant1	5180	-3.17	≤11.00	PASS
		5220	-3.9	≤11.00	PASS
		5240	-4.28	≤11.00	PASS
11N40SISO	Ant1	5190	-6.28	≤11.00	PASS
		5230	-6.85	≤11.00	PASS
11AC20SISO	Ant1	5180	-3.11	≤11.00	PASS
		5220	-3.85	≤11.00	PASS
		5240	-4.28	≤11.00	PASS
11AC40SISO	Ant1	5190	-6.2	≤11.00	PASS
		5230	-6.89	≤11.00	PASS
11AC80SISO	Ant1	5210	-4.58	≤11.00	PASS

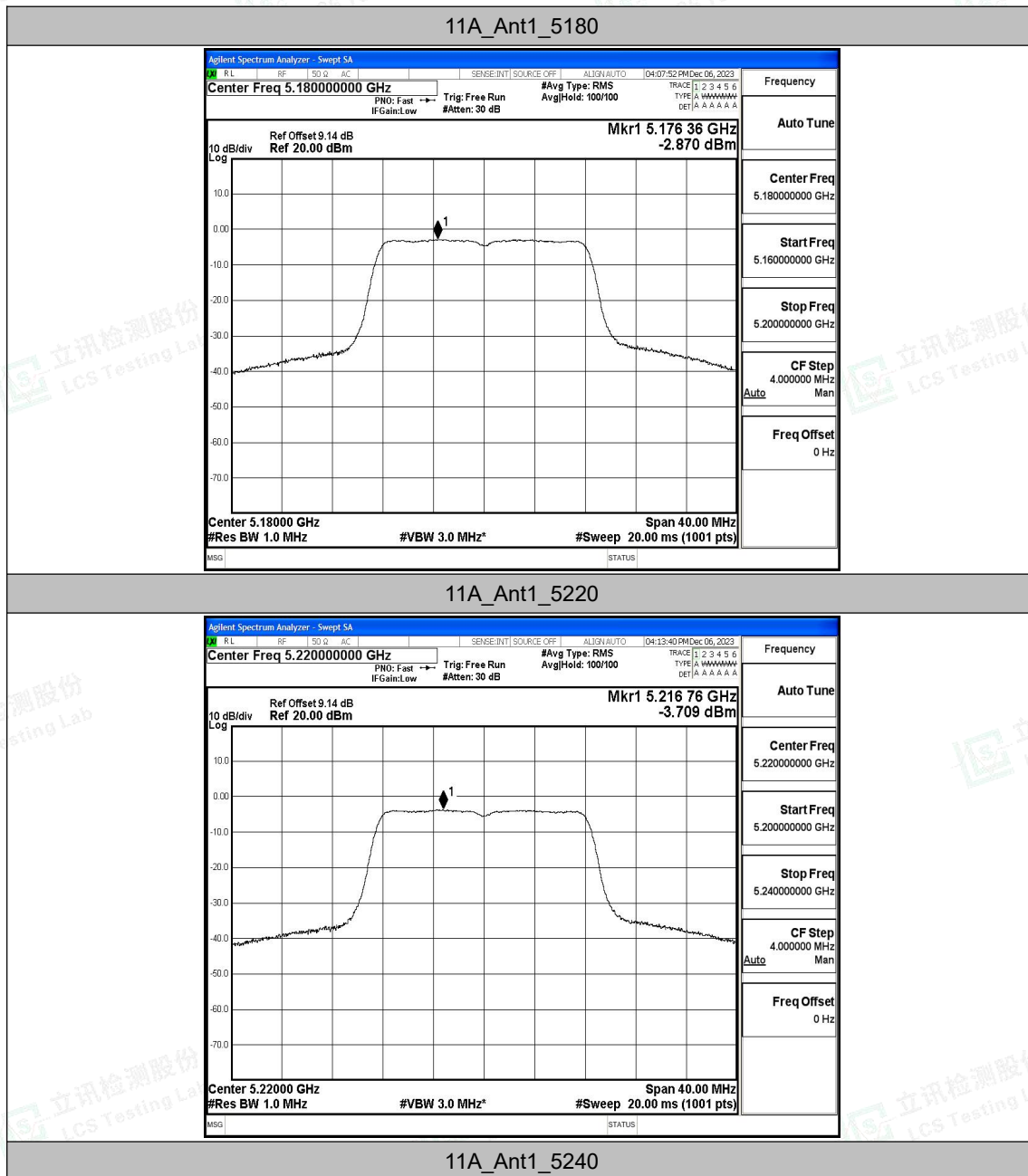
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

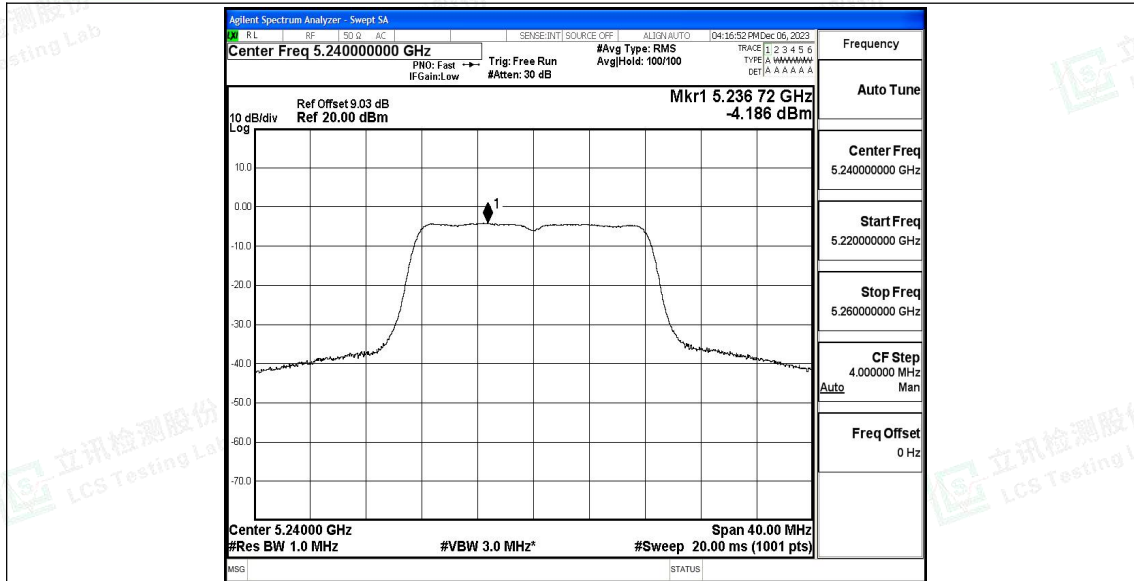
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.



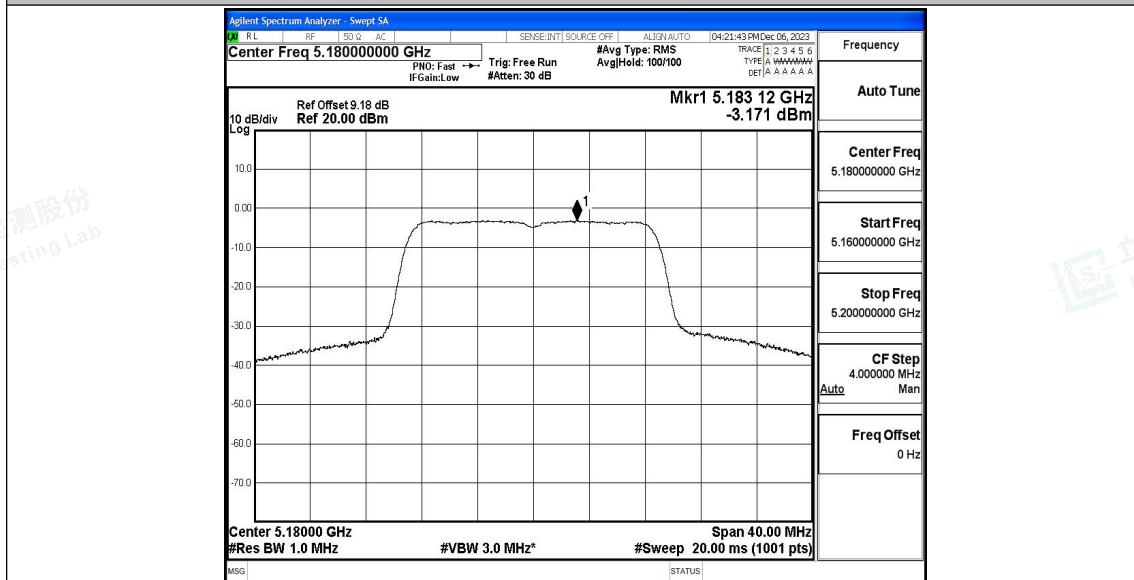


Test Graphs



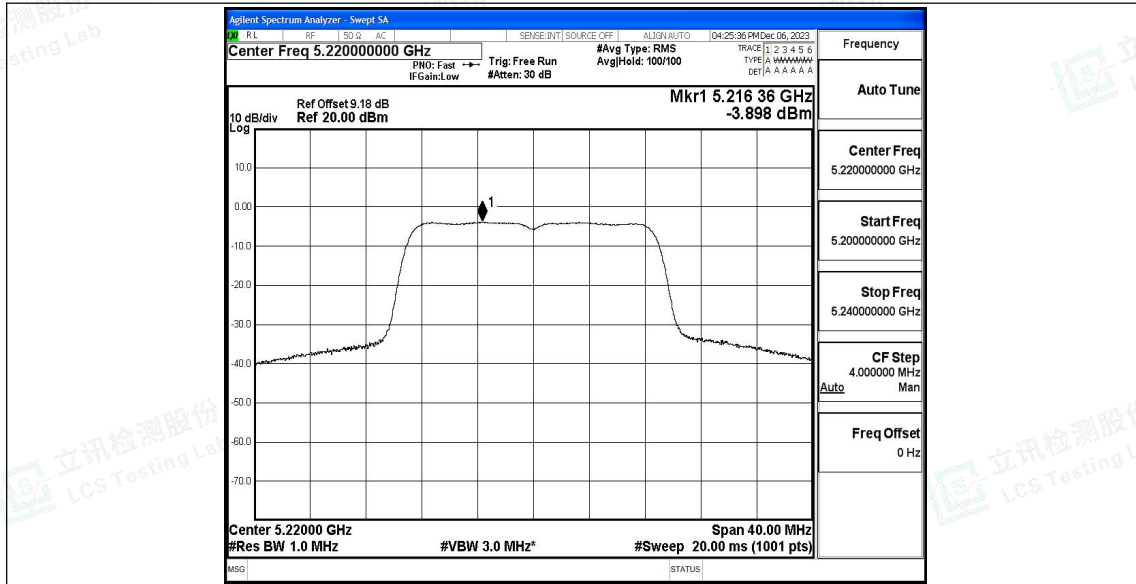


11N20SISO_Ant1_5180

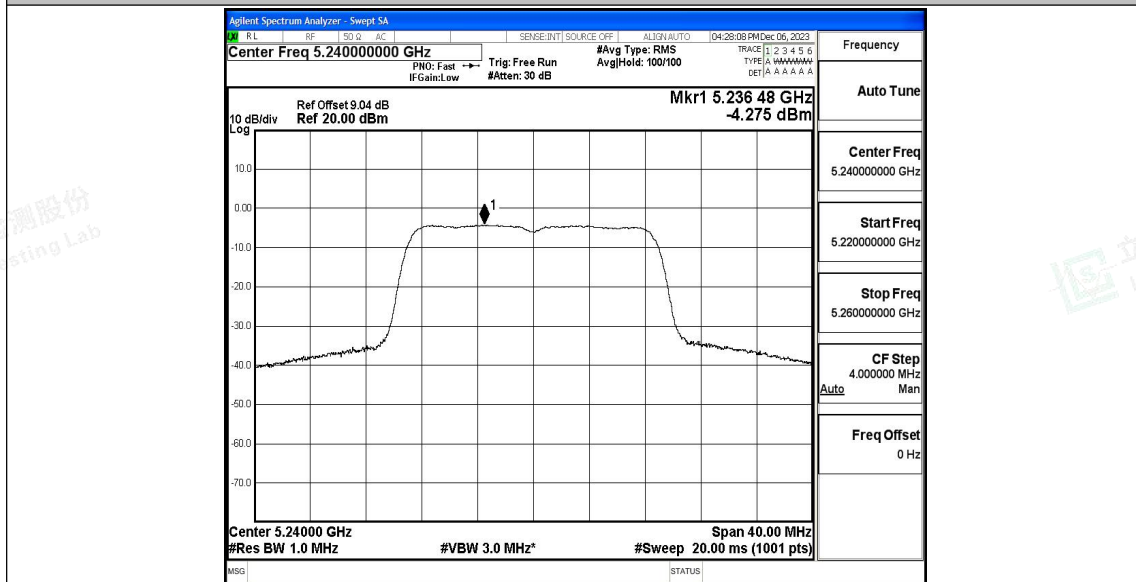


11N20SISO_Ant1_5220



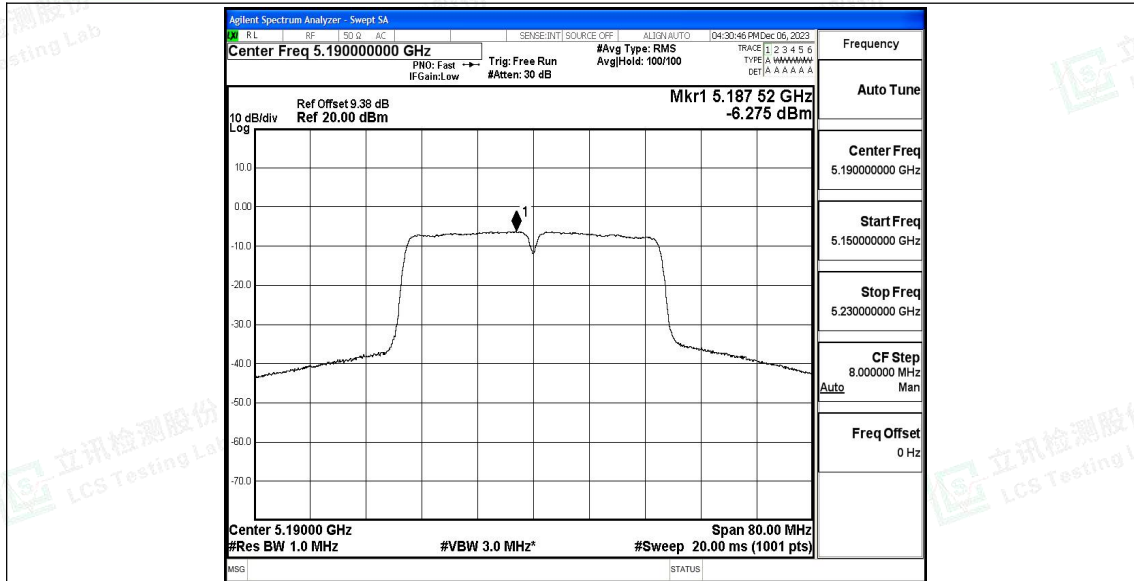


11N20SISO_Ant1_5240

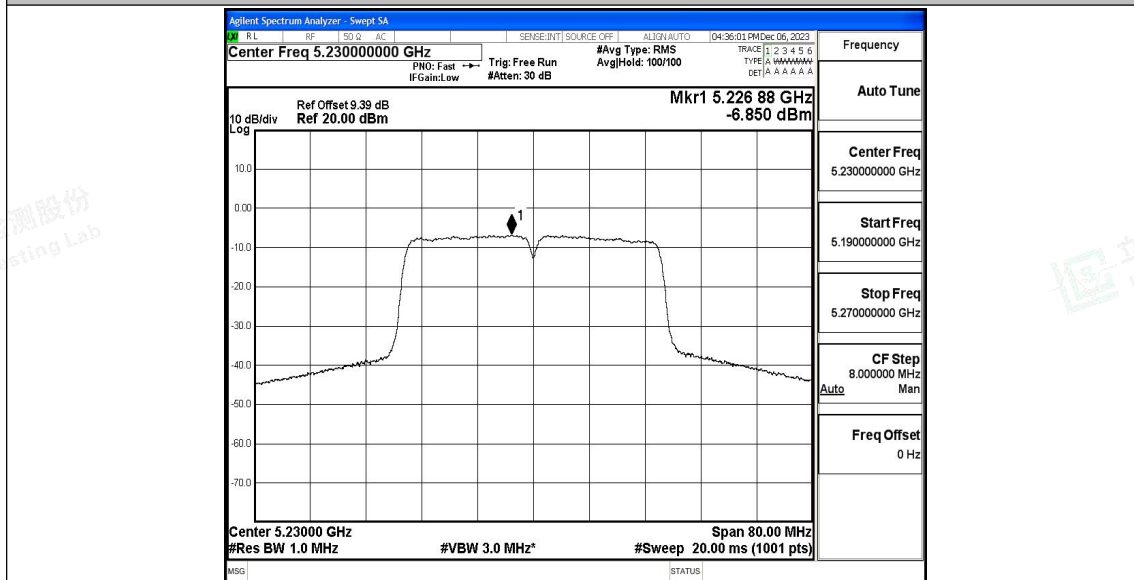


11N40SISO_Ant1_5190



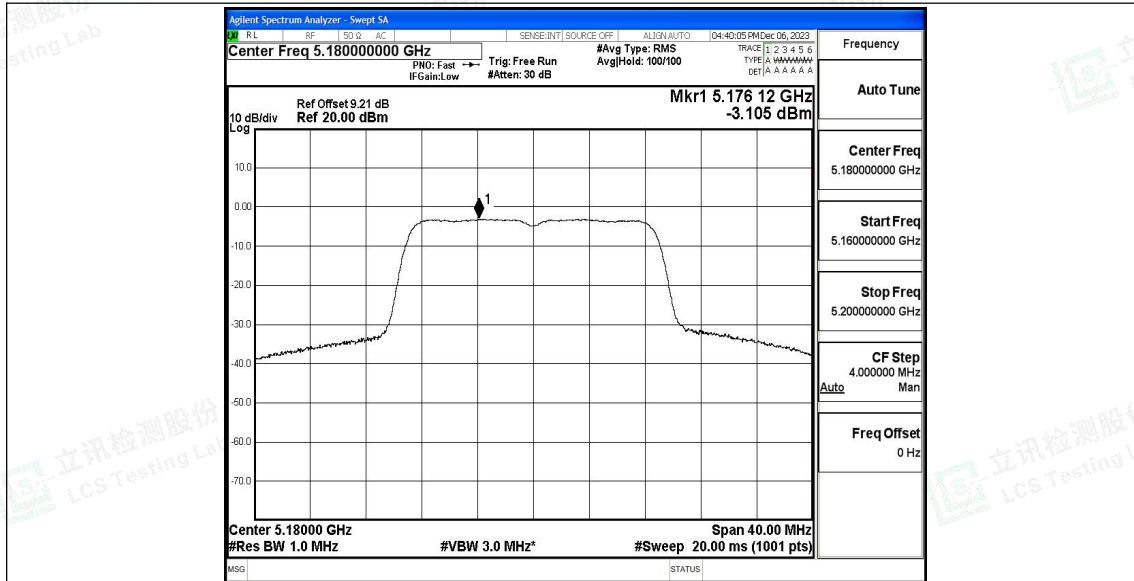


11N40SISO_Ant1_5230

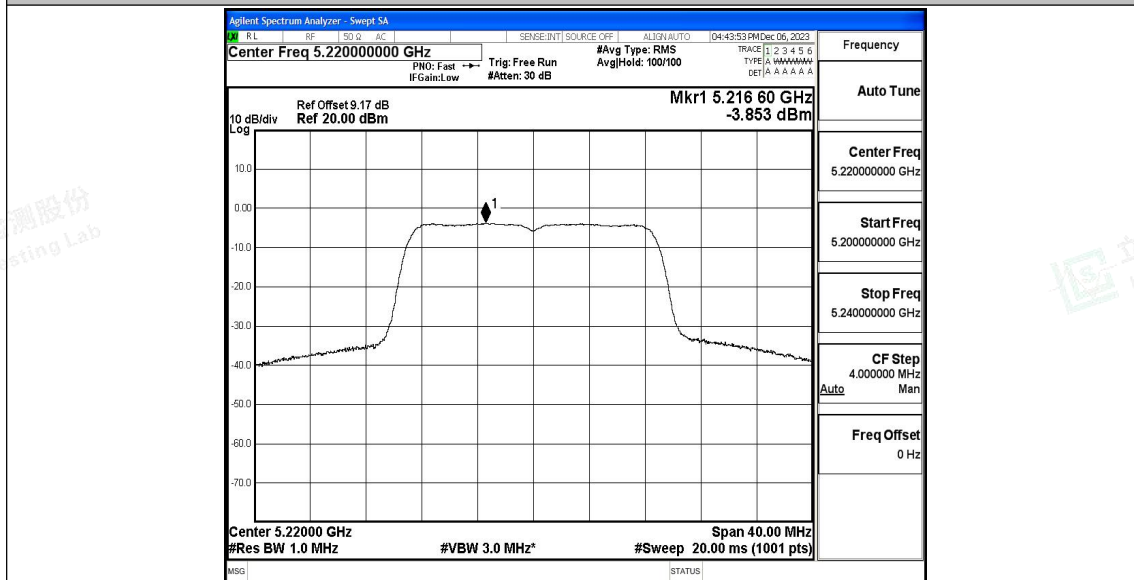


11AC20SISO_Ant1_5180



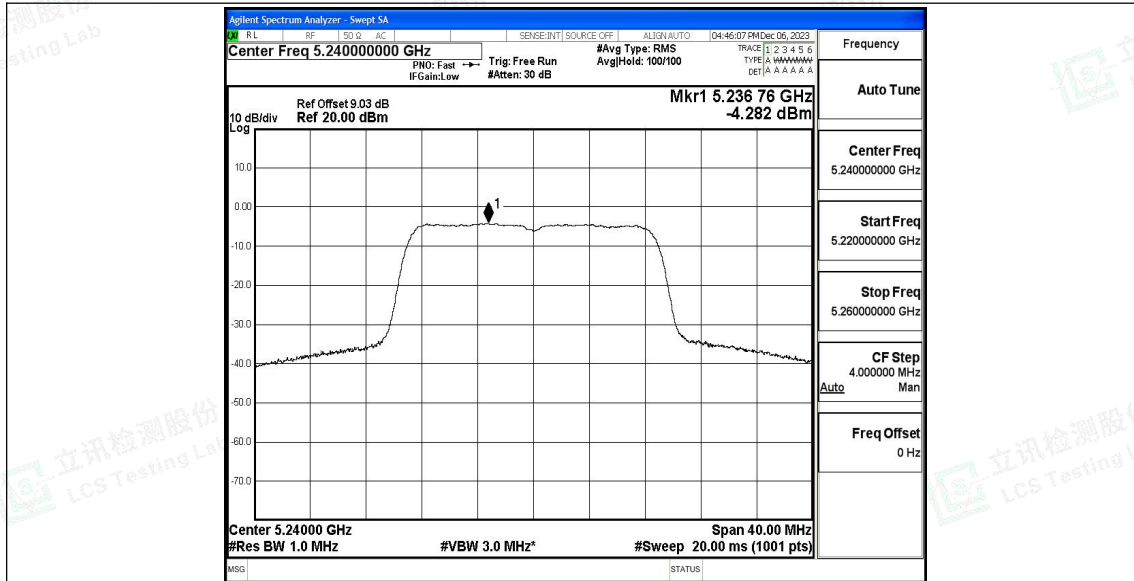


11AC20SISO_Ant1_5220

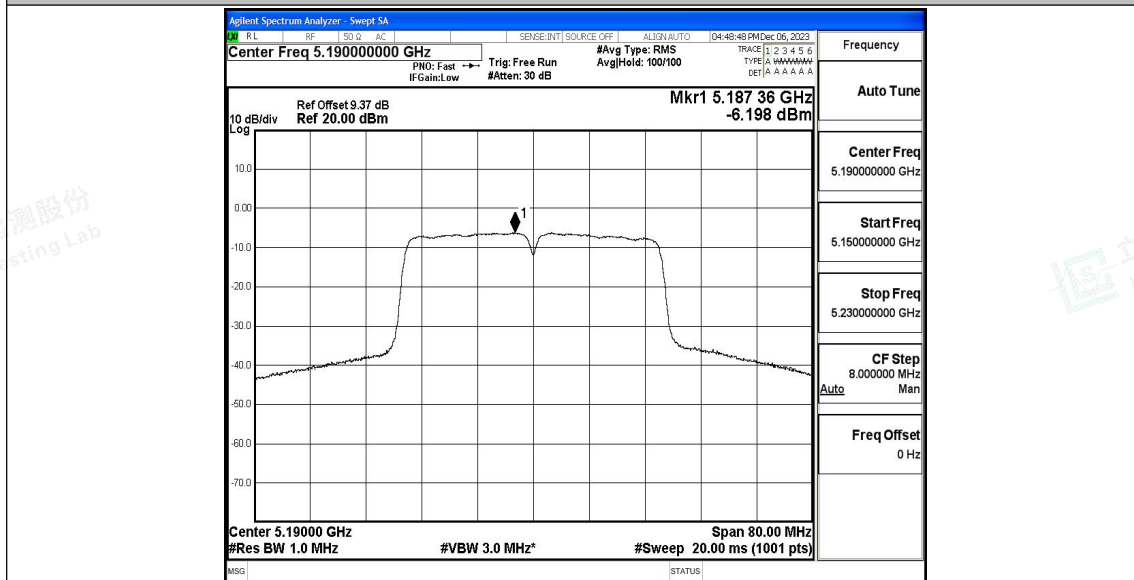


11AC20SISO_Ant1_5240



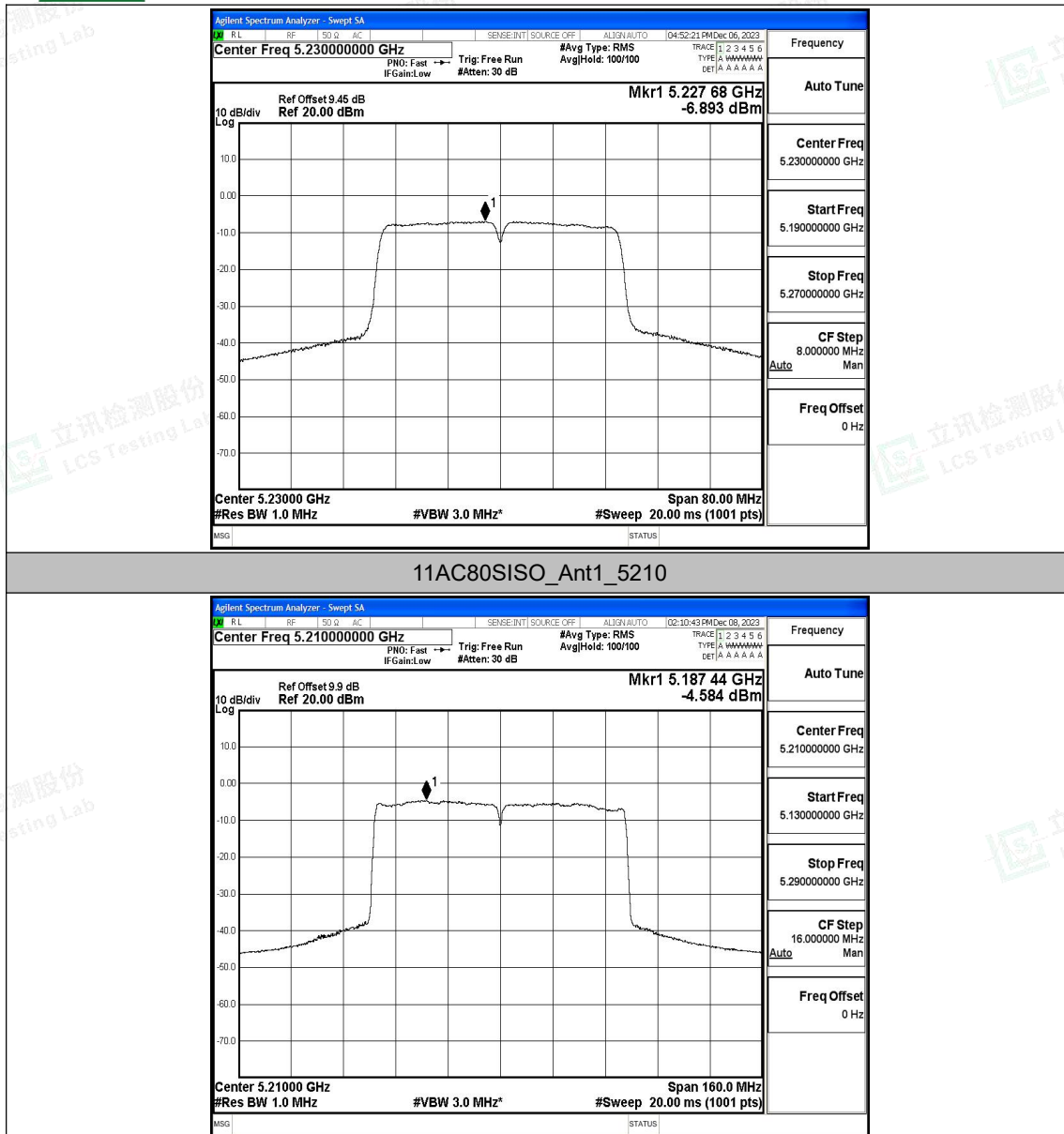


11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230







D.4 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Frequenc y[MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5180	AV	4500.000	-57.47	≤-41.20	37.73	≤54	PASS
				AV	5149.600	-46.97	≤-41.20	48.23	≤54	PASS
				AV	5150.000	-46.65	≤-41.20	48.55	≤54	PASS
				Peak	4500.000	-50.8	≤-21.20	44.40	≤74	PASS
				Peak	5148.900	-33.08	≤-21.20	62.12	≤74	PASS
				Peak	5150.000	-34.66	≤-21.20	60.54	≤74	PASS
		High	5240	AV	5350.000	-56.08	≤-41.20	39.12	≤54	PASS
				AV	5351.040	-55.93	≤-41.20	39.27	≤54	PASS
				AV	5460.000	-56.52	≤-41.20	38.68	≤54	PASS
				Peak	5350.000	-49.81	≤-21.20	45.39	≤74	PASS
				Peak	5358.000	-46.99	≤-21.20	48.21	≤74	PASS
				Peak	5460.000	-50.46	≤-21.20	44.74	≤74	PASS
11N20SIS O	Ant1	Low	5180	AV	4500.000	-57.52	≤-41.20	37.68	≤54	PASS
				AV	5149.600	-45.09	≤-41.20	50.11	≤54	PASS
				AV	5150.000	-44.39	≤-41.20	50.81	≤54	PASS
				Peak	4500.000	-50.86	≤-21.20	44.34	≤74	PASS
				Peak	5148.200	-36.79	≤-21.20	58.41	≤74	PASS
				Peak	5150.000	-38.19	≤-21.20	57.01	≤74	PASS
		High	5240	AV	5350.000	-55.92	≤-41.20	39.28	≤54	PASS
				AV	5365.680	-55.87	≤-41.20	39.33	≤54	PASS
				AV	5460.000	-56.57	≤-41.20	38.63	≤54	PASS
				Peak	5350.000	-49.54	≤-21.20	45.66	≤74	PASS
				Peak	5351.040	-46.81	≤-21.20	48.39	≤74	PASS
				Peak	5460.000	-51.75	≤-21.20	43.45	≤74	PASS
11N40SIS O	Ant1	Low	5190	AV	4500.000	-56.95	≤-41.20	38.25	≤54	PASS
				AV	5149.600	-54.14	≤-41.20	41.06	≤54	PASS
				AV	5150.000	-53.75	≤-41.20	41.45	≤54	PASS
				Peak	4500.000	-50.92	≤-21.20	44.28	≤74	PASS
				Peak	5148.200	-45.55	≤-21.20	49.65	≤74	PASS
				Peak	5150.000	-46.1	≤-21.20	49.10	≤74	PASS
		High	5230	AV	5350.000	-55.67	≤-41.20	39.53	≤54	PASS
				AV	5369.000	-55.38	≤-41.20	39.82	≤54	PASS
				AV	5460.000	-55.82	≤-41.20	39.38	≤54	PASS
				Peak	5350.000	-50.41	≤-21.20	44.79	≤74	PASS





11AC20SI SO	Ant1	Low	5180	Peak	5424.900	-45.85	≤-21.20	49.35	≤74	PASS
				Peak	5460.000	-50.99	≤-21.20	44.21	≤74	PASS
				AV	4500.000	-57.53	≤-41.20	37.67	≤54	PASS
				AV	5149.600	-45.01	≤-41.20	50.19	≤54	PASS
				AV	5150.000	-44.37	≤-41.20	50.83	≤54	PASS
				Peak	4500.000	-50.94	≤-21.20	44.26	≤74	PASS
		High	5240	Peak	5148.200	-33.36	≤-21.20	61.84	≤74	PASS
				Peak	5150.000	-39.83	≤-21.20	55.37	≤74	PASS
				AV	5350.000	-55.94	≤-41.20	39.26	≤54	PASS
				AV	5350.800	-55.91	≤-41.20	39.29	≤54	PASS
				AV	5460.000	-56.51	≤-41.20	38.69	≤54	PASS
				Peak	5350.000	-51.64	≤-21.20	43.56	≤74	PASS
11AC40SI SO	Ant1	Low	5190	Peak	5354.400	-46.13	≤-21.20	49.07	≤74	PASS
				Peak	5460.000	-48.92	≤-21.20	46.28	≤74	PASS
				AV	4500.000	-57.23	≤-41.20	37.97	≤54	PASS
				AV	5149.600	-54.13	≤-41.20	41.07	≤54	PASS
				AV	5150.000	-53.85	≤-41.20	41.35	≤54	PASS
				Peak	4500.000	-50.86	≤-21.20	44.34	≤74	PASS
		High	5230	Peak	5148.900	-43.92	≤-21.20	51.28	≤74	PASS
				Peak	5150.000	-45.39	≤-21.20	49.81	≤74	PASS
				AV	5350.000	-55.48	≤-41.20	39.72	≤54	PASS
				AV	5361.460	-55.4	≤-41.20	39.80	≤54	PASS
				AV	5460.000	-56	≤-41.20	39.20	≤54	PASS
				Peak	5350.000	-49.75	≤-21.20	45.45	≤74	PASS
11AC80SI SO	Ant1	Low	5210	Peak	5414.760	-47.3	≤-21.20	47.90	≤74	PASS
				Peak	5460.000	-52.34	≤-21.20	42.86	≤74	PASS
				AV	4500.000	-56.89	≤-41.20	38.31	≤54	PASS
				AV	5149.500	-49.88	≤-41.20	45.32	≤54	PASS
				AV	5150.000	-49.55	≤-41.20	45.65	≤54	PASS
				Peak	4500.000	-50.79	≤-21.20	44.41	≤74	PASS
		High	5210	Peak	5144.250	-40.16	≤-21.20	55.04	≤74	PASS
				Peak	5150.000	-43.96	≤-21.20	51.24	≤74	PASS
				AV	5350.000	-53.97	≤-41.20	41.23	≤54	PASS
				AV	5350.520	-53.78	≤-41.20	41.42	≤54	PASS
				AV	5460.000	-55.52	≤-41.20	39.68	≤54	PASS
				Peak	5350.000	-48.87	≤-21.20	46.33	≤74	PASS

Note:



Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

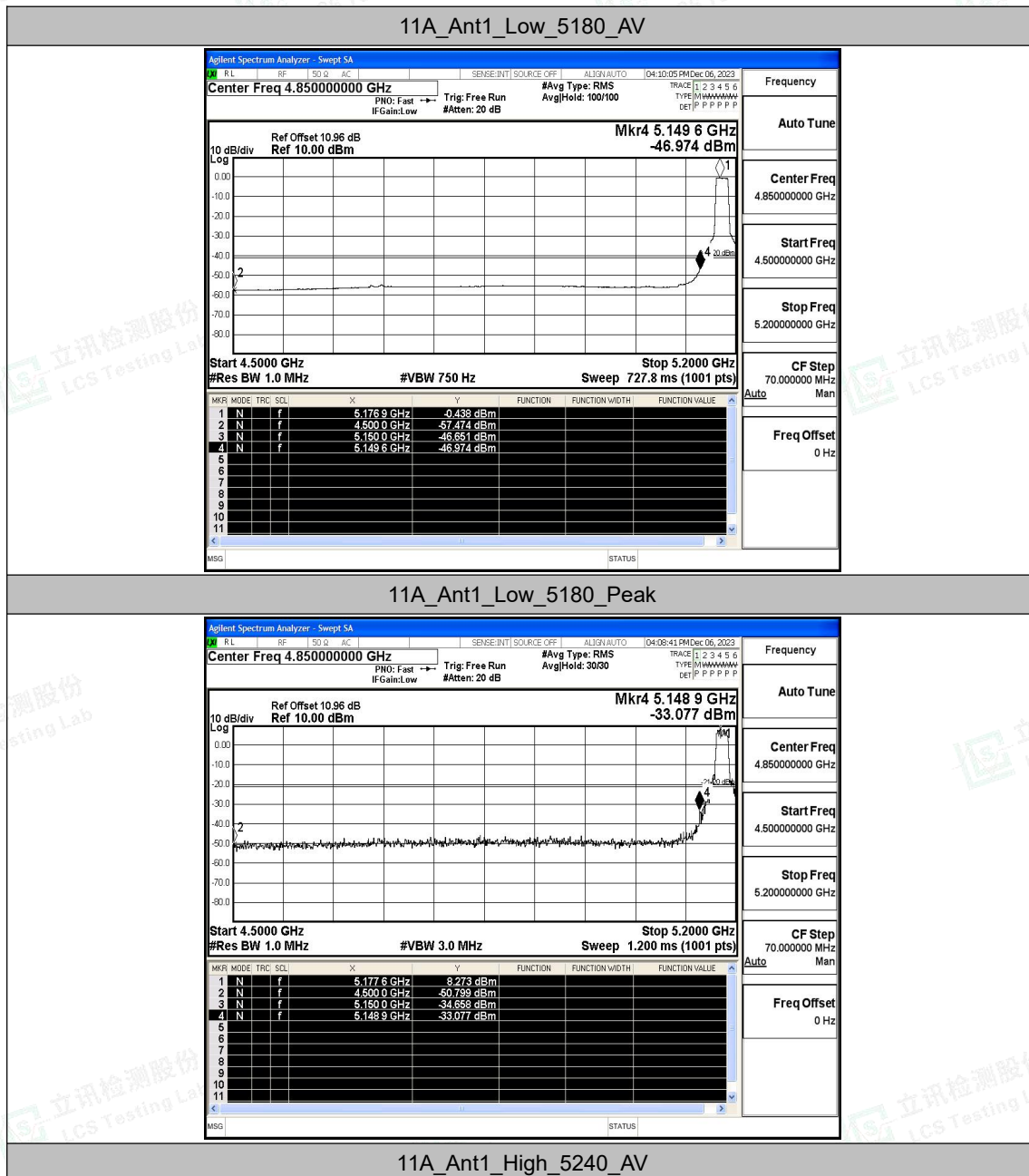


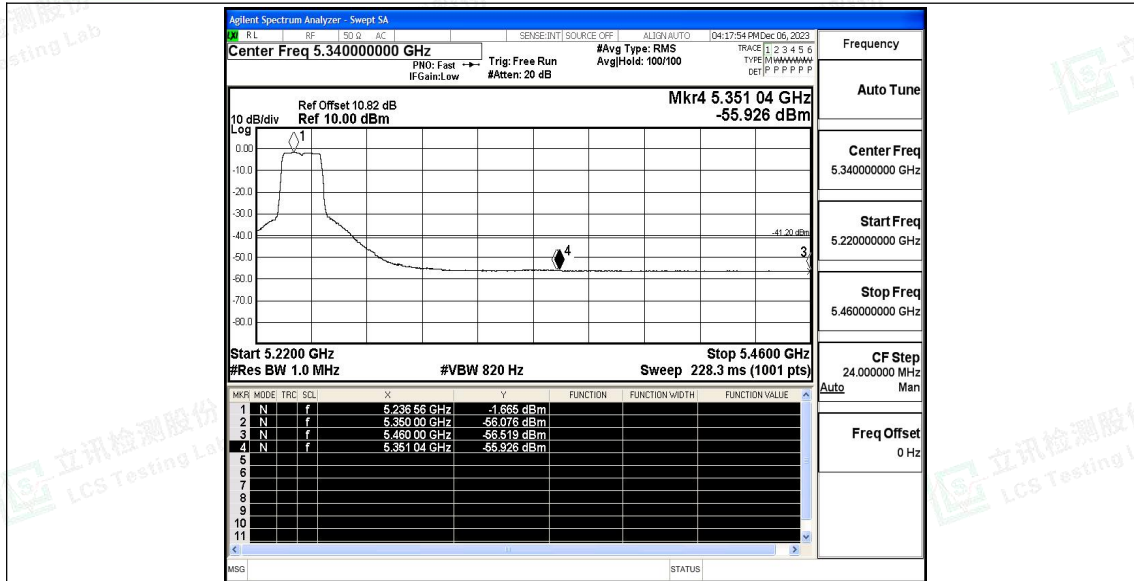
1. The Antenna Gain is compensated in the graph.
2. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.



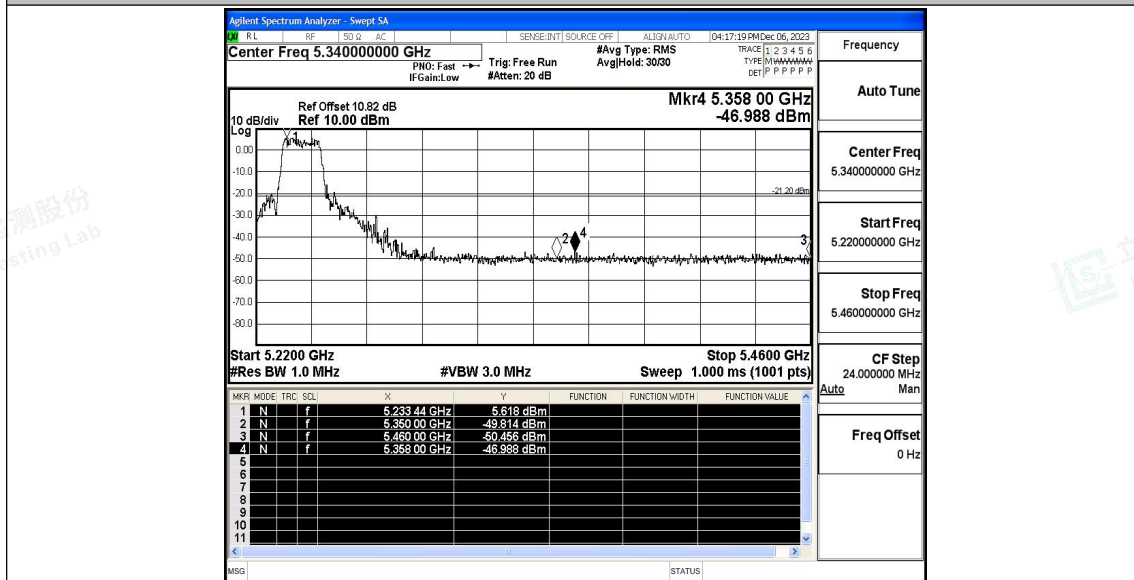


Test Graphs



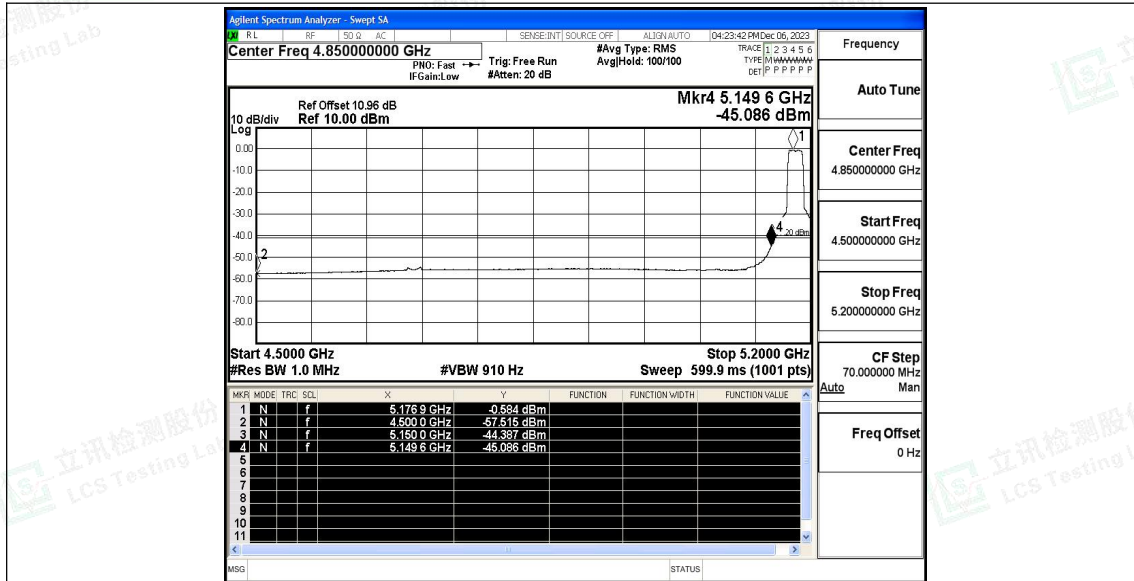


11A_Ant1_High_5240_Peak

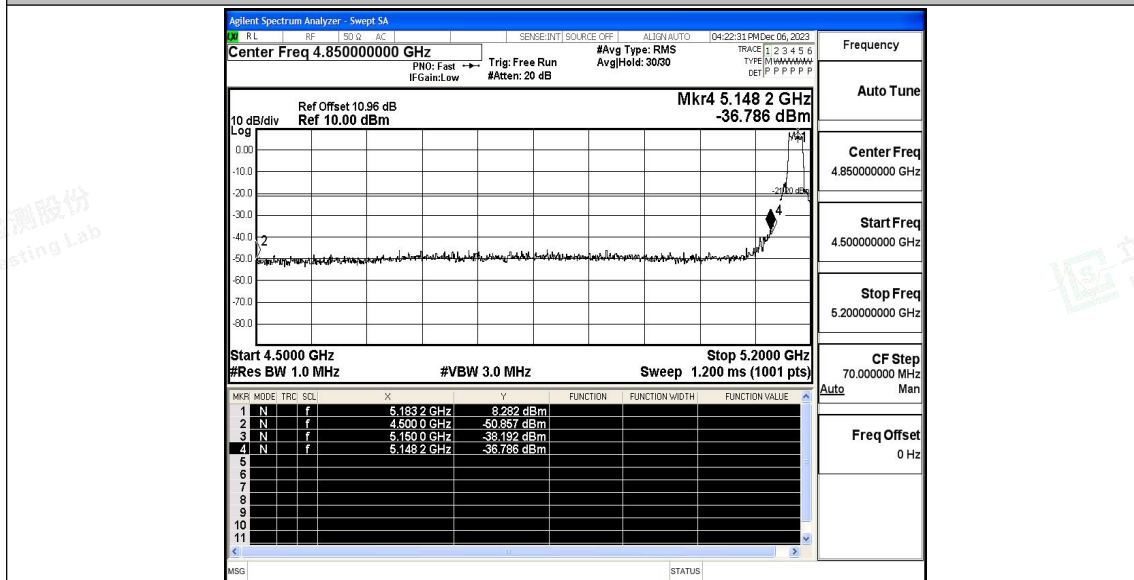


11N20SISO_Ant1_Low_5180_AV



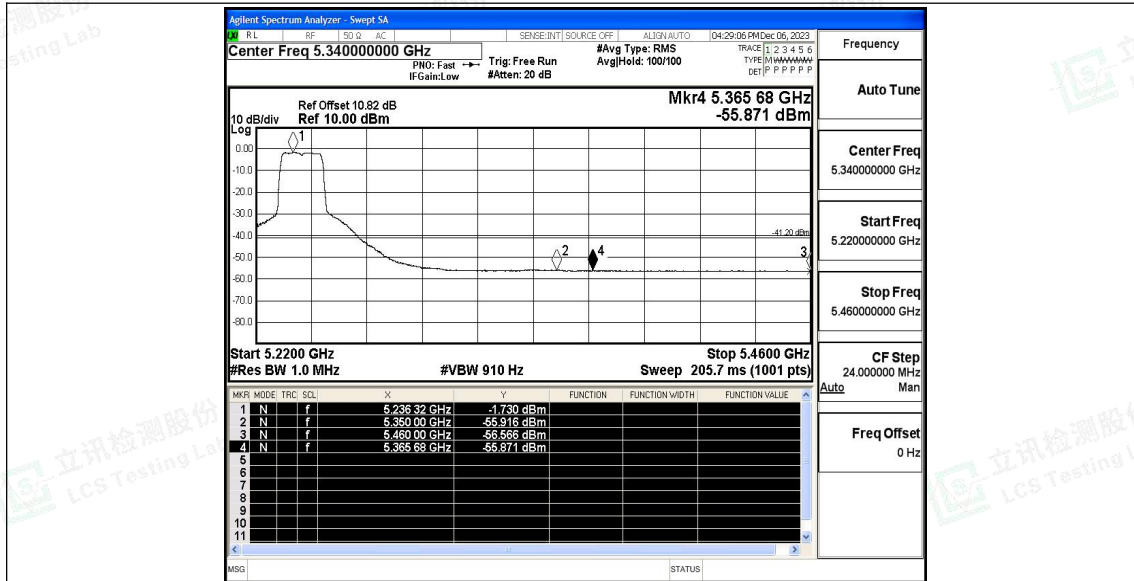


11N20SISO_Ant1_Low_5180_Peak

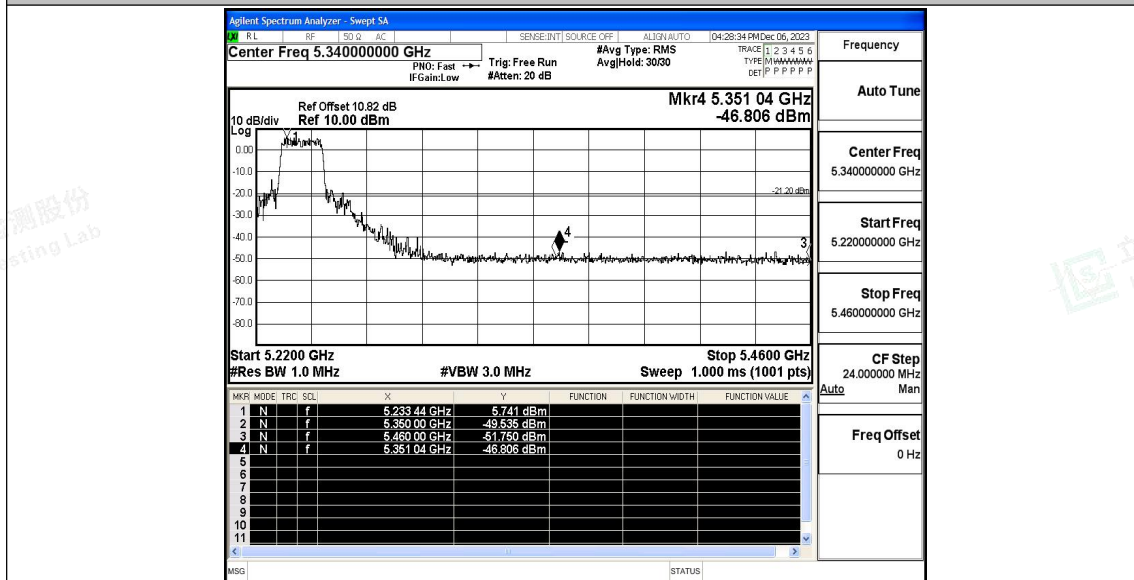


11N20SISO_Ant1_High_5240_AV





11N20SISO_Ant1_High_5240_Peak



11N40SISO_Ant1_Low_5190_AV

