



Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: VIM4

Test Model: VIM4

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Bill Zhu
Supervised by:	Li Huan





D.1 26dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant A	5180	20.040	5169.960	5190.000	---	---
		5220	20.040	5210.000	5230.040	---	---
		5240	20.080	5229.920	5250.000	---	---
11N20SISO	Ant A	5180	20.120	5169.920	5190.040	---	---
		5220	20.000	5210.000	5230.000	---	---
		5240	20.120	5229.880	5250.000	---	---
11N40SISO	Ant A	5190	40.480	5169.680	5210.160	---	---
		5230	40.560	5209.760	5250.320	---	---
11AC20SISO	Ant A	5180	20.040	5170.000	5190.040	---	---
		5220	20.080	5210.000	5230.080	---	---
		5240	20.080	5229.960	5250.040	---	---
11AC40SISO	Ant A	5190	40.480	5169.840	5210.320	---	---
		5230	40.480	5209.840	5250.320	---	---
11AX20SISO	Ant A	5180	37.200	5160.600	5197.800	---	---
		5220	34.360	5200.800	5235.160	---	---
		5240	28.200	5226.480	5254.680	---	---
11AX40SISO	Ant A	5190	79.840	5150.080	5229.920	---	---
		5230	79.840	5190.080	5269.920	---	---
11A	Ant B	5180	20.200	5169.960	5190.160	---	---
		5220	20.080	5209.960	5230.040	---	---
		5240	20.000	5230.000	5250.000	---	---
11N20SISO	Ant B	5180	20.000	5170.040	5190.040	---	---
		5220	20.040	5210.000	5230.040	---	---
		5240	20.000	5230.000	5250.000	---	---
11N40SISO	Ant B	5190	40.080	5170.000	5210.080	---	---
		5230	40.560	5209.760	5250.320	---	---
11AC20SISO	Ant B	5180	19.960	5170.040	5190.000	---	---
		5220	20.160	5209.880	5230.040	---	---
		5240	20.040	5230.000	5250.040	---	---
11AC40SISO	Ant B	5190	40.400	5169.840	5210.240	---	---
		5230	40.400	5209.840	5250.240	---	---
11AX20SISO	Ant B	5180	20.000	5170.000	5190.000	---	---
		5220	20.240	5209.800	5230.040	---	---
		5240	20.080	5229.960	5250.040	---	---



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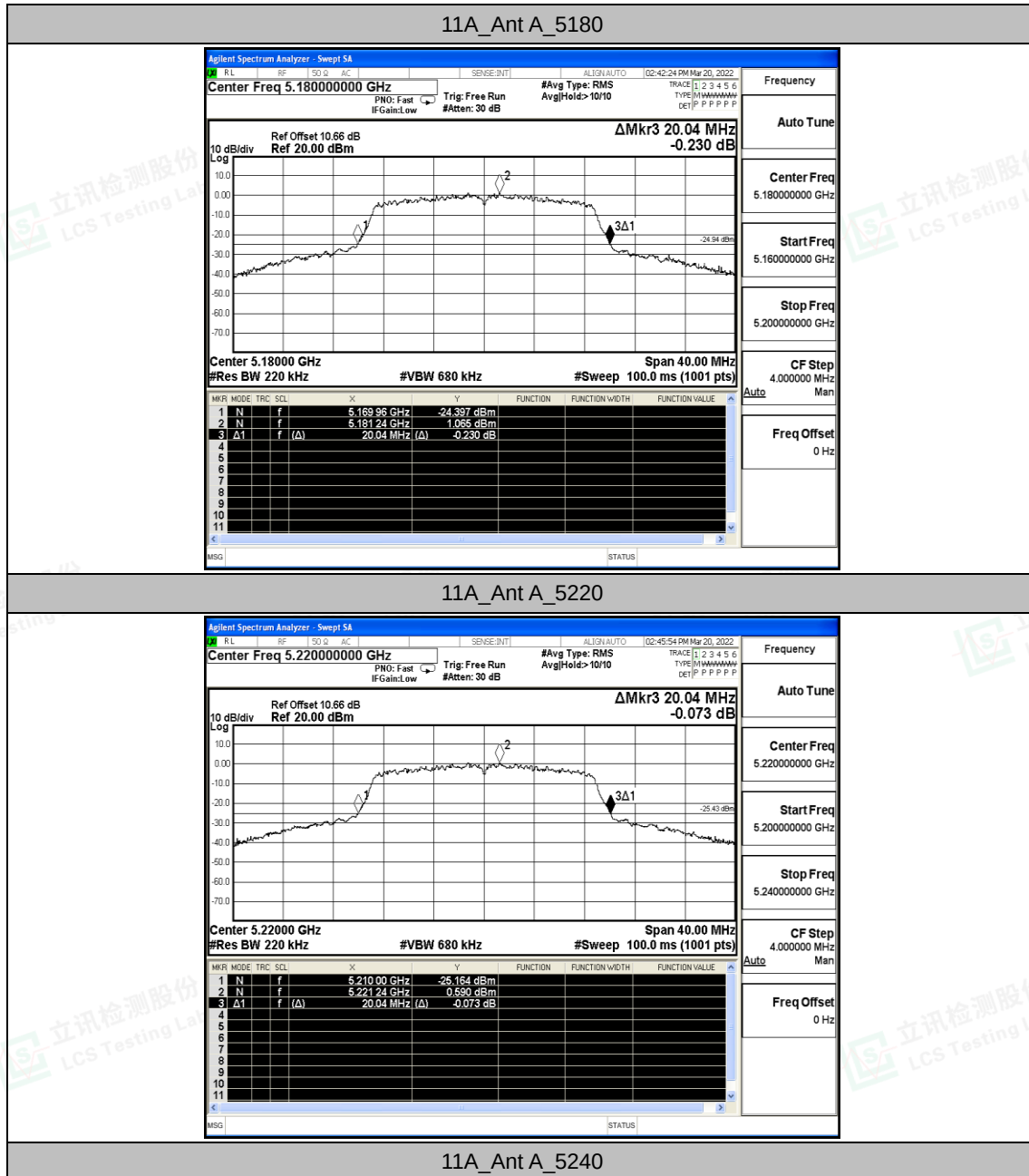
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11AX40SISO	Ant B	5190	40.480	5169.760	5210.240	---	---
		5230	40.400	5209.760	5250.160	---	---

Test Graphs

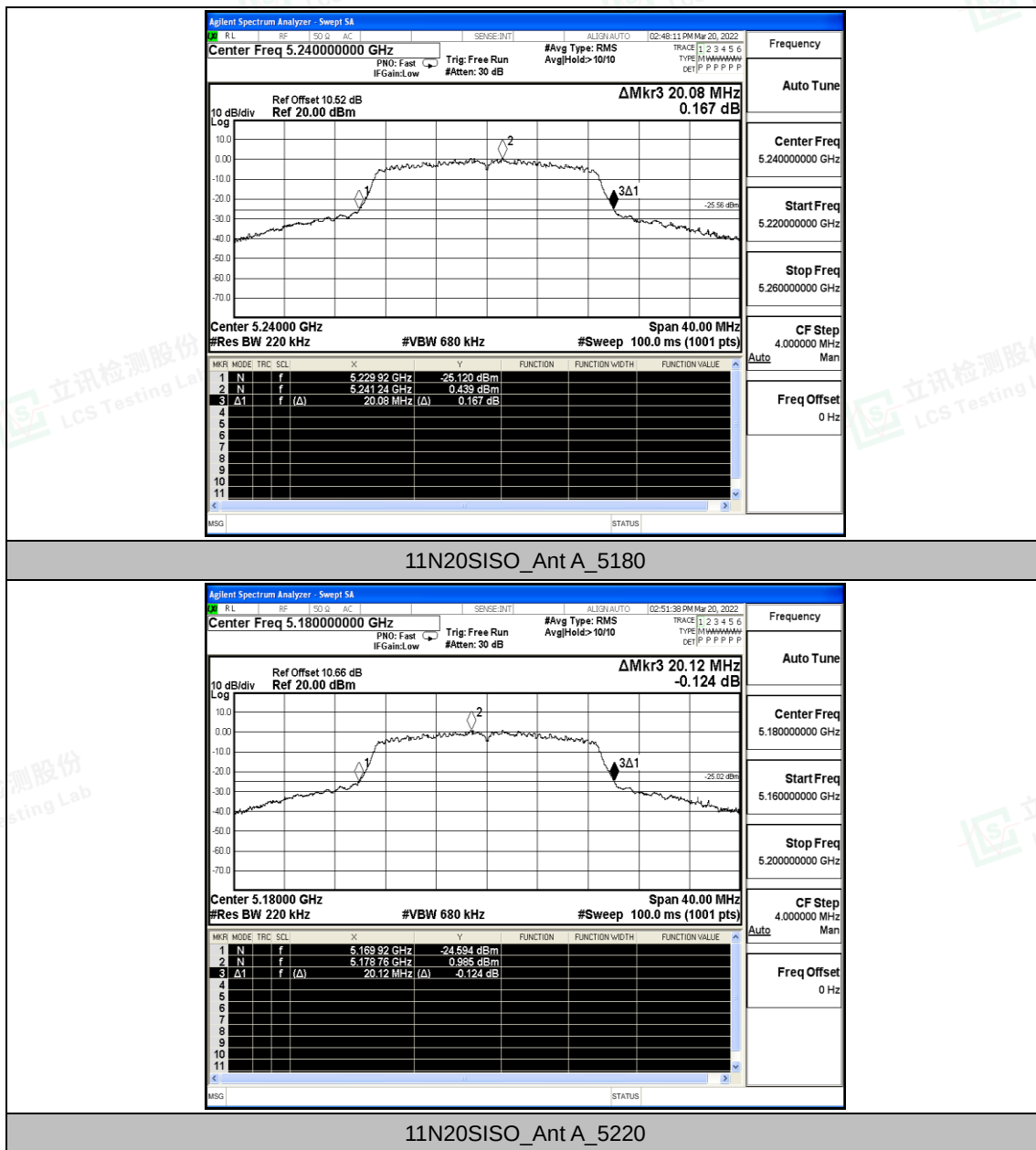


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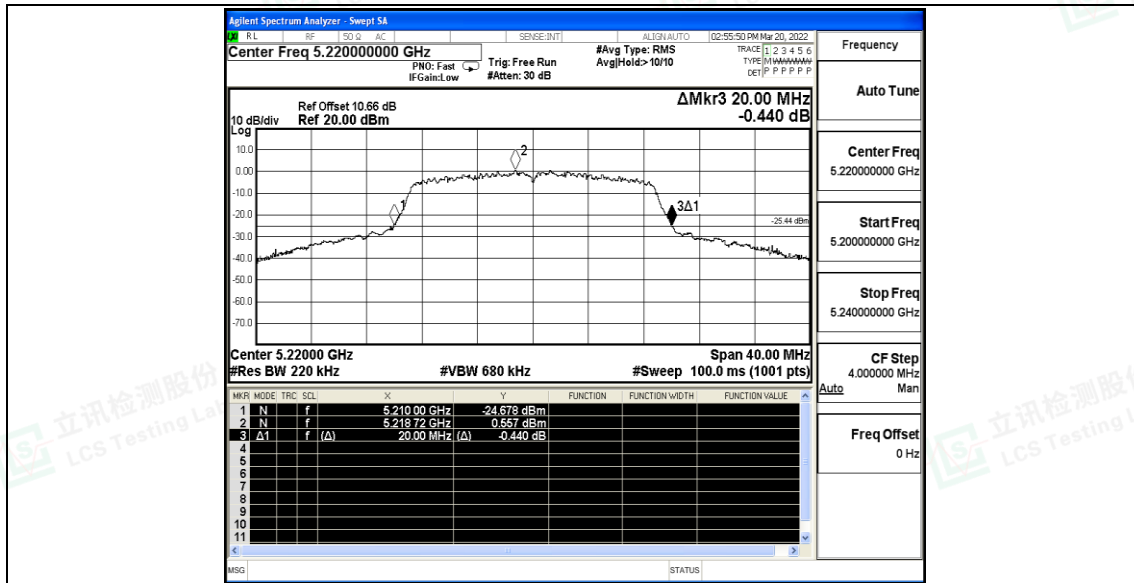


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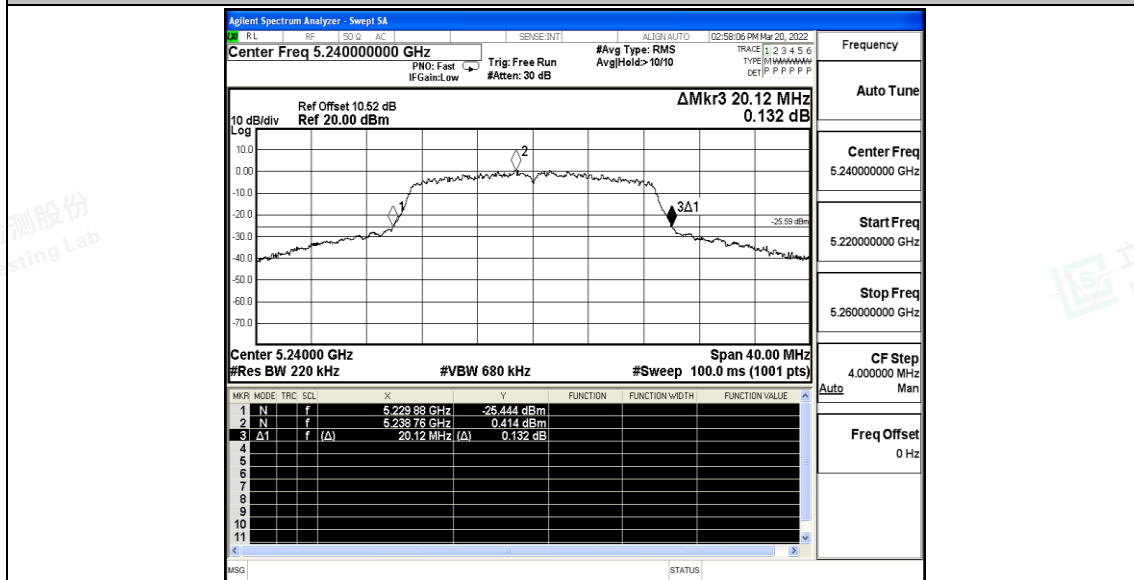
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11N20SISO_Ant A_5240



11N40SISO_Ant A_5190

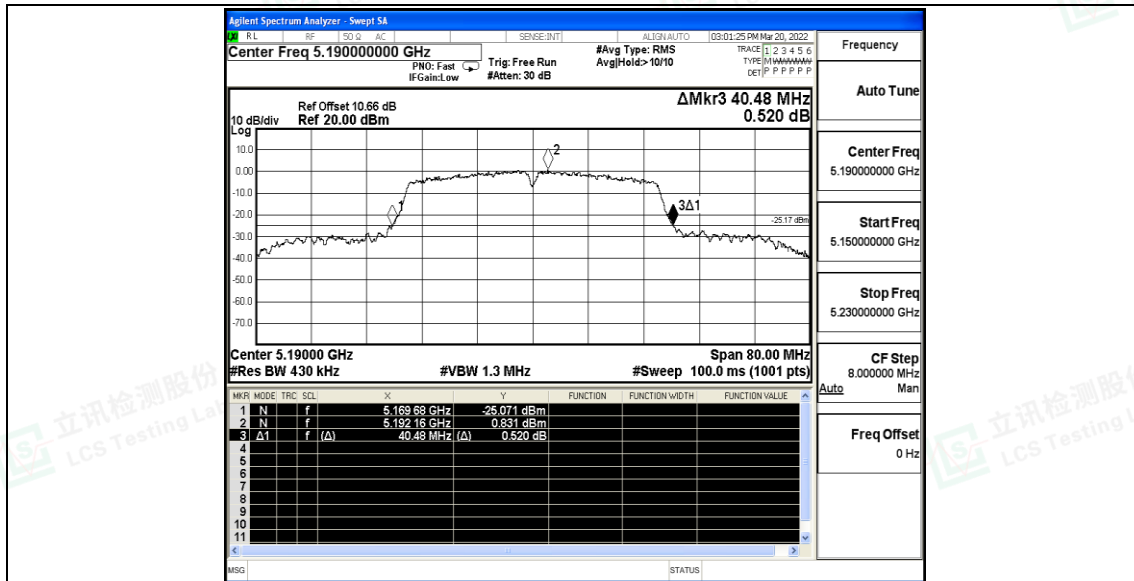


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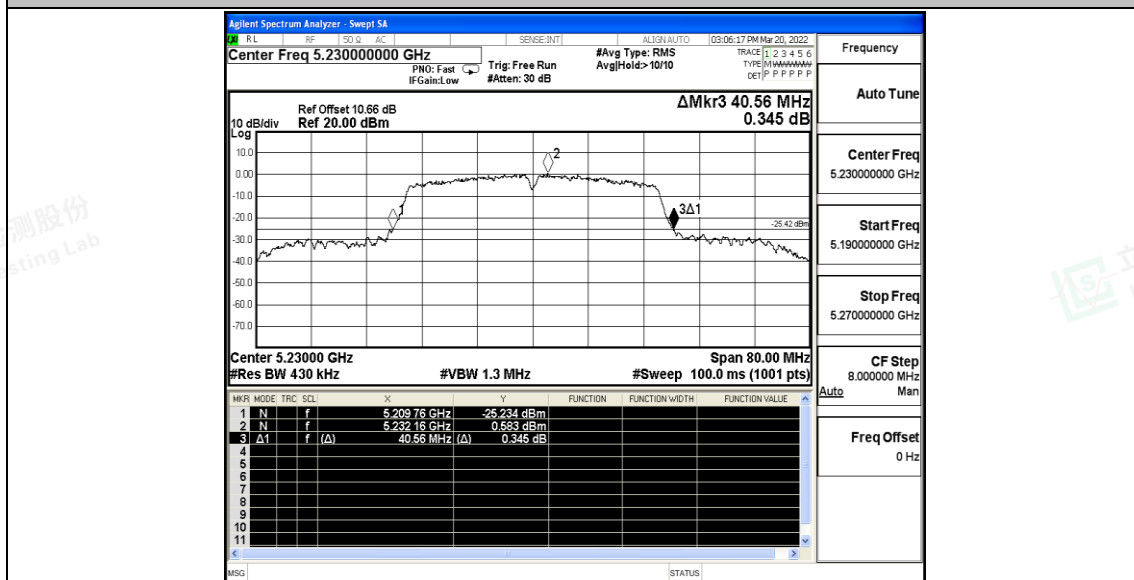
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11N40SISO_Ant A_5230



11AC20SISO_Ant A_5180

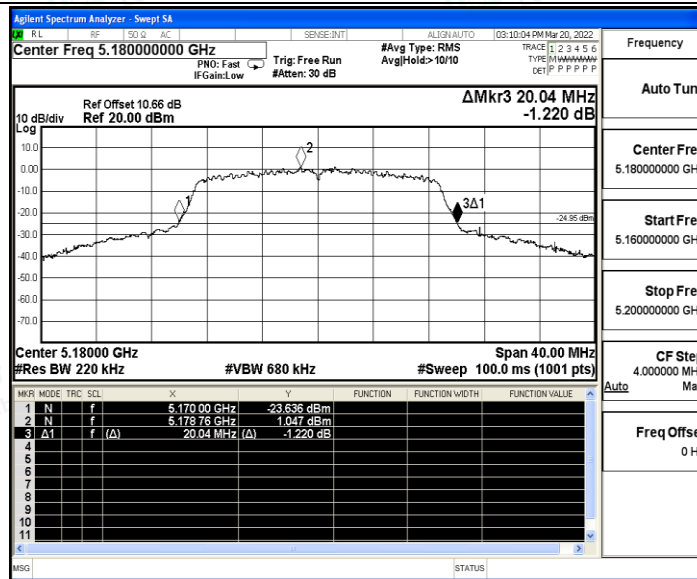


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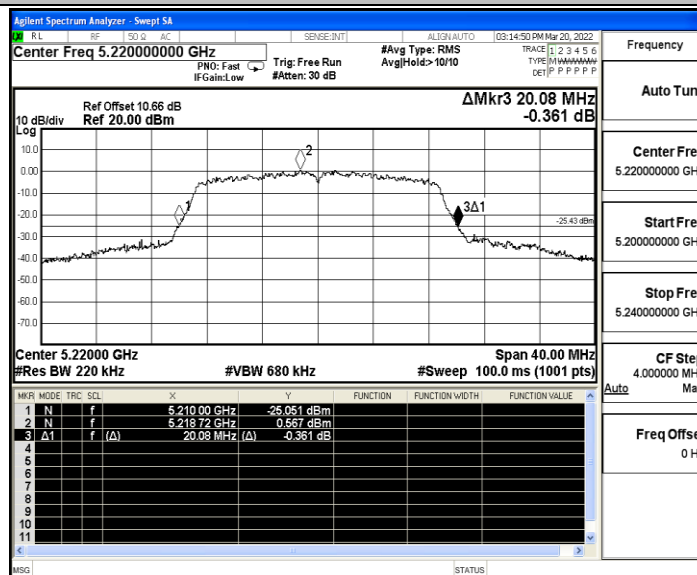
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11AC20SISO_Ant A_5220



11AC20SISO_Ant A_5240

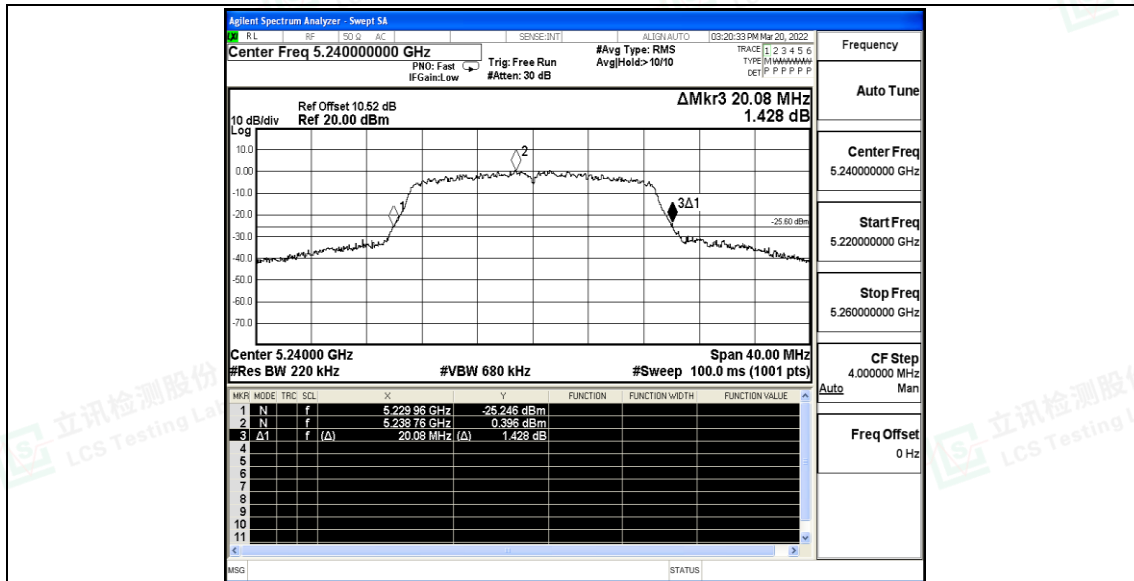


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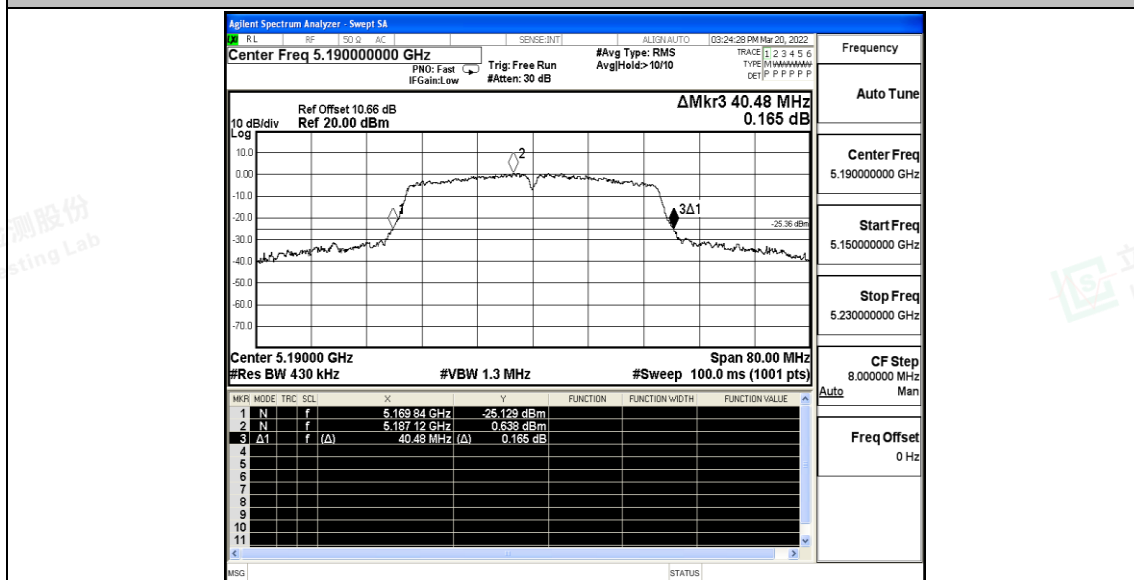
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11AC40SISO_Ant A_5190



11AC40SISO_Ant A_5230

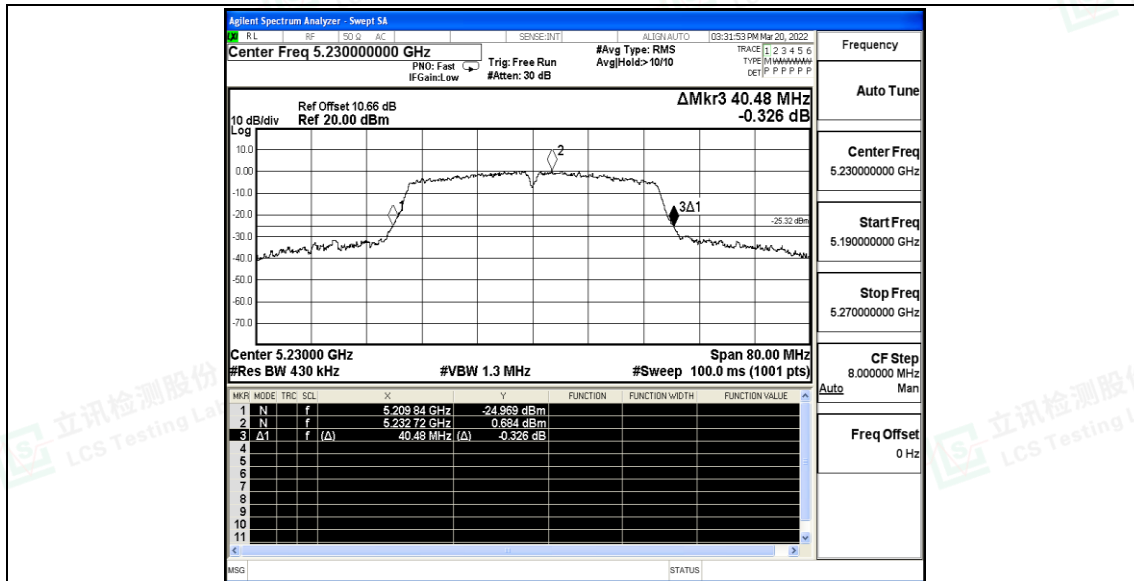


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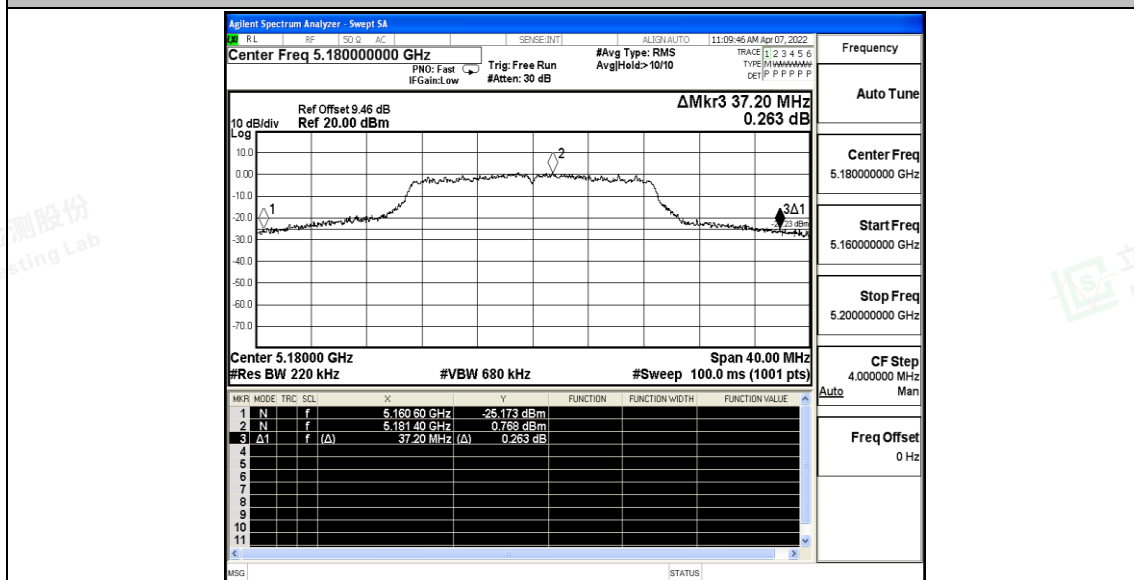
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11AX20SISO_Ant A_5180



11AX20SISO_Ant A_5220

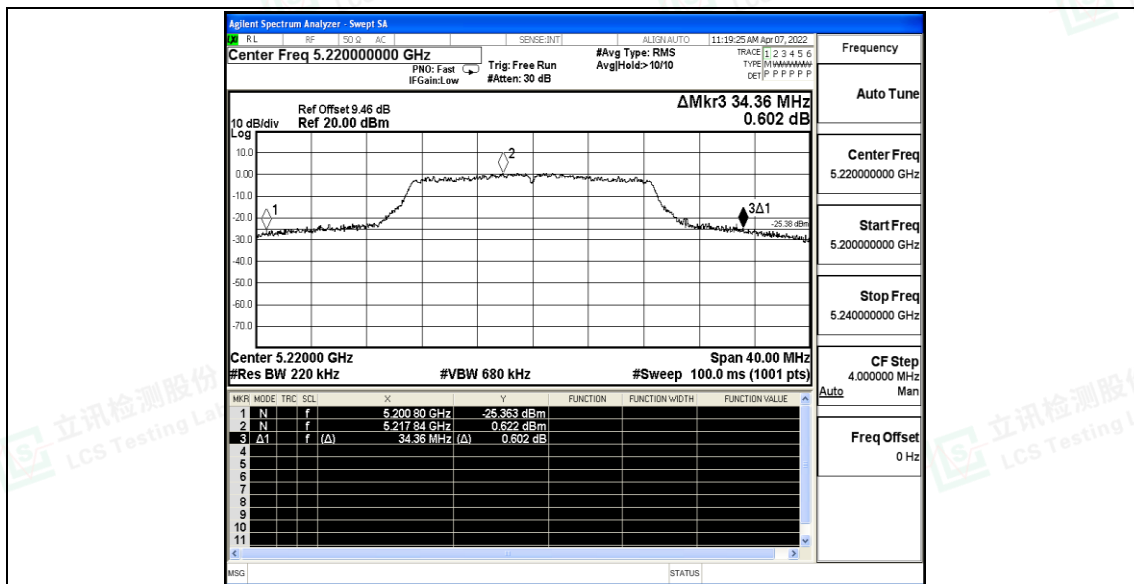


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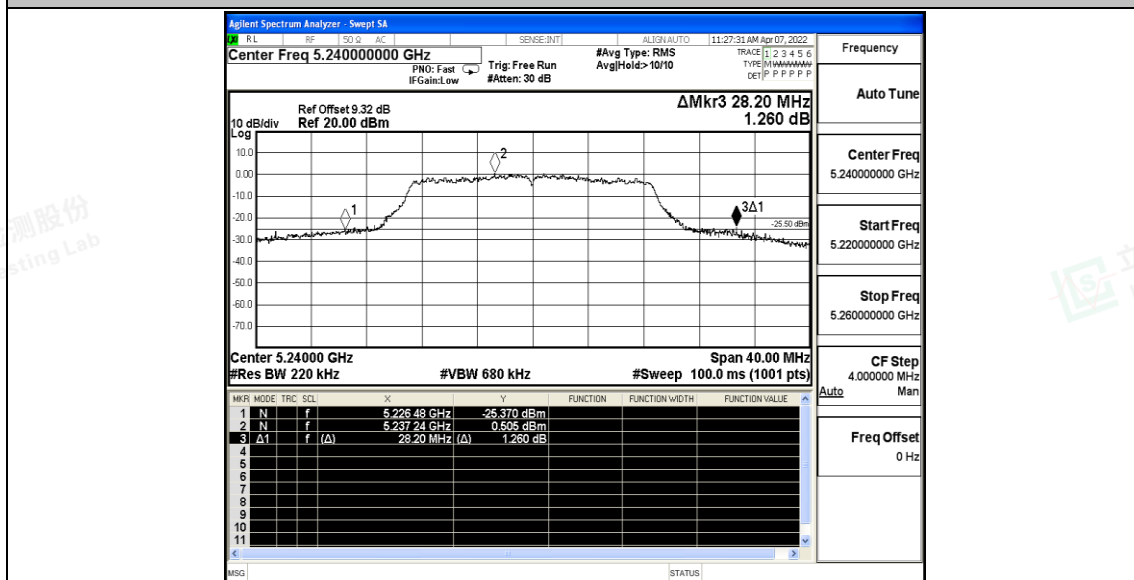
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11AX20SISO_Ant A_5240



11AX40SISO_Ant A_5190

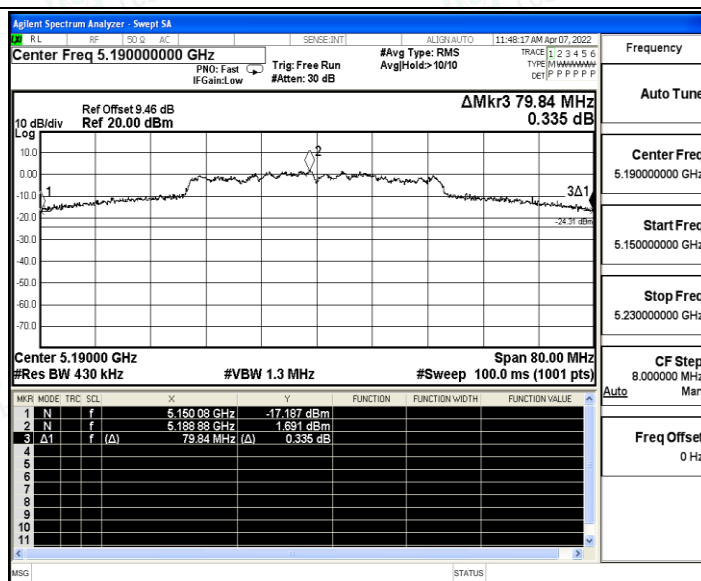


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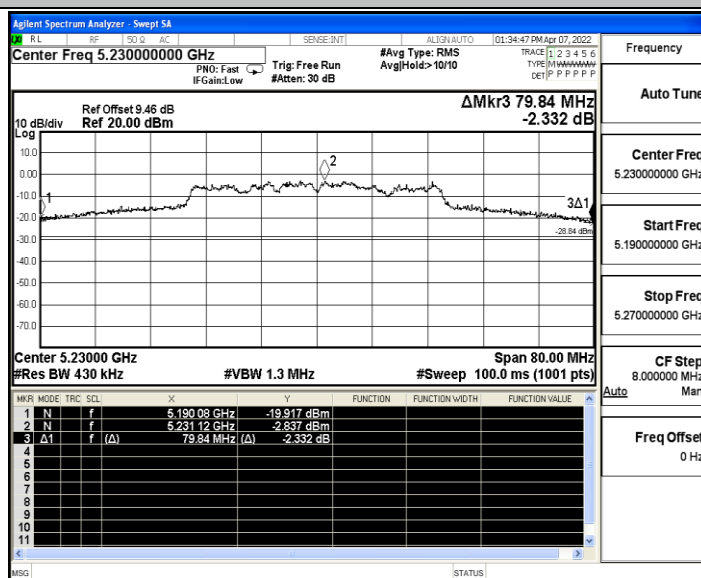
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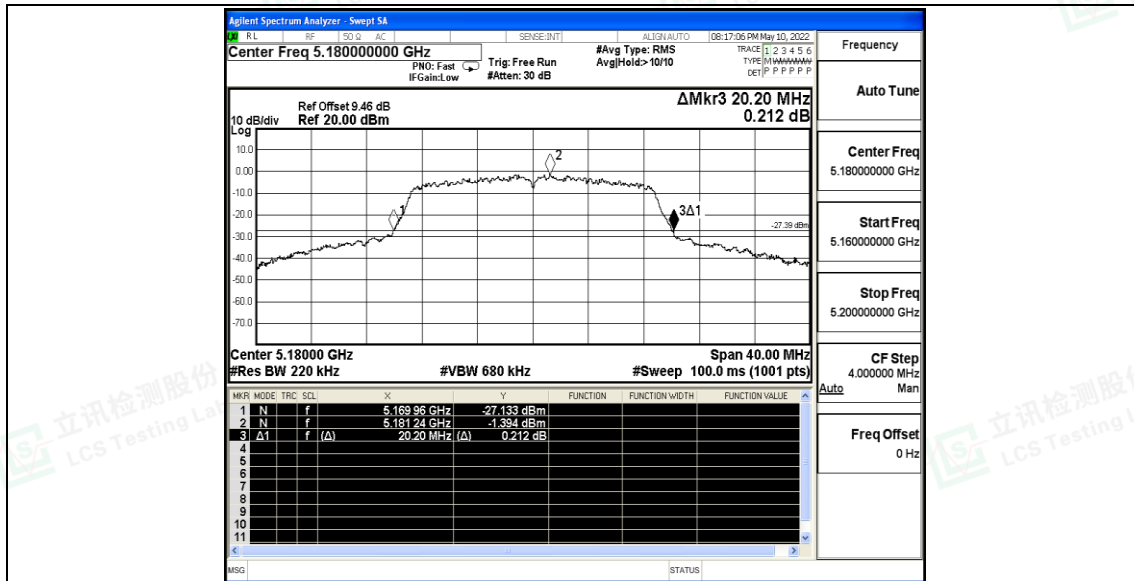


11AX40SISO Ant A 5230

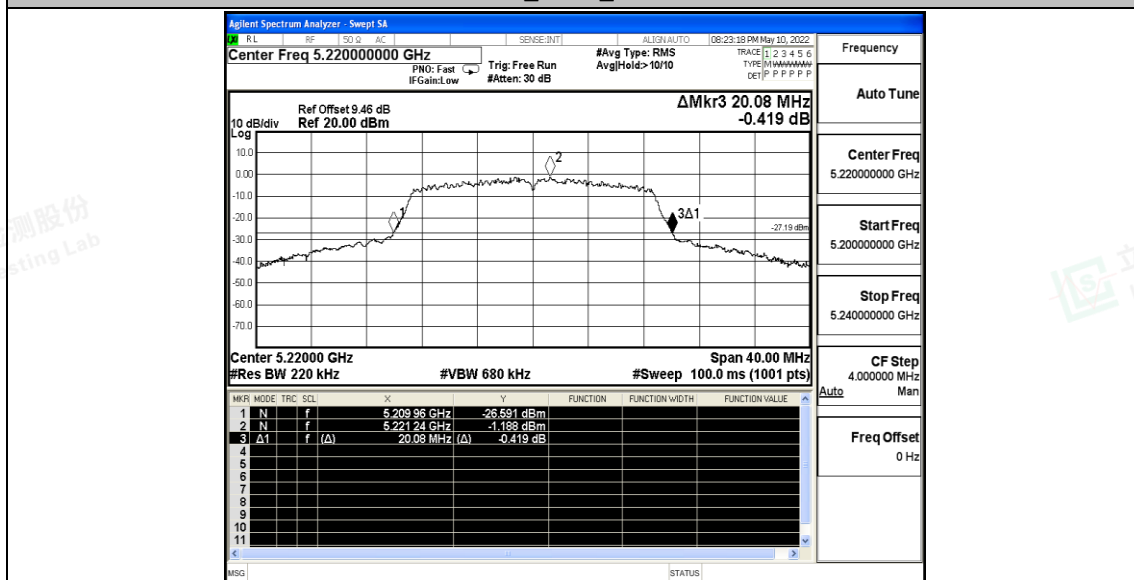


11A Ant B 5180





11A_Ant B_5220



11A_Ant B_5240

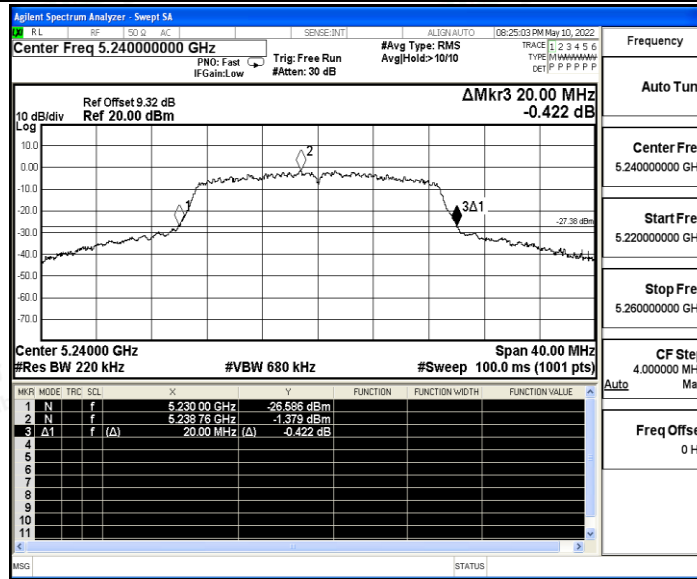


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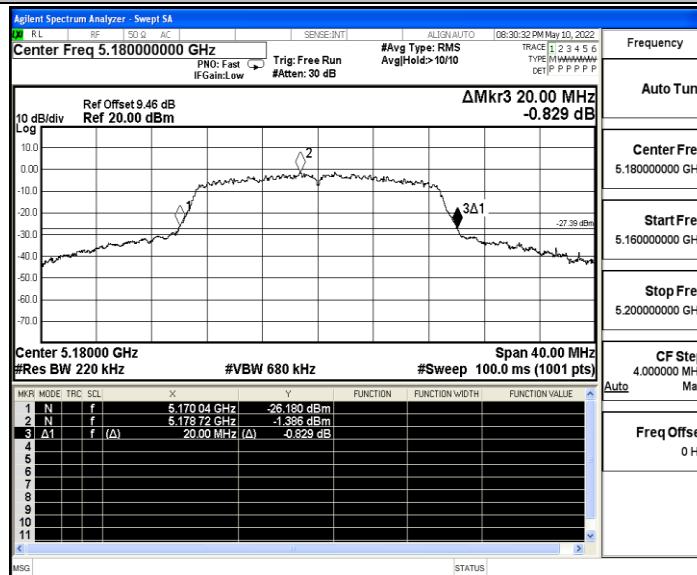
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11N20SISO_Ant B_5180



11N20SISO_Ant B_5220

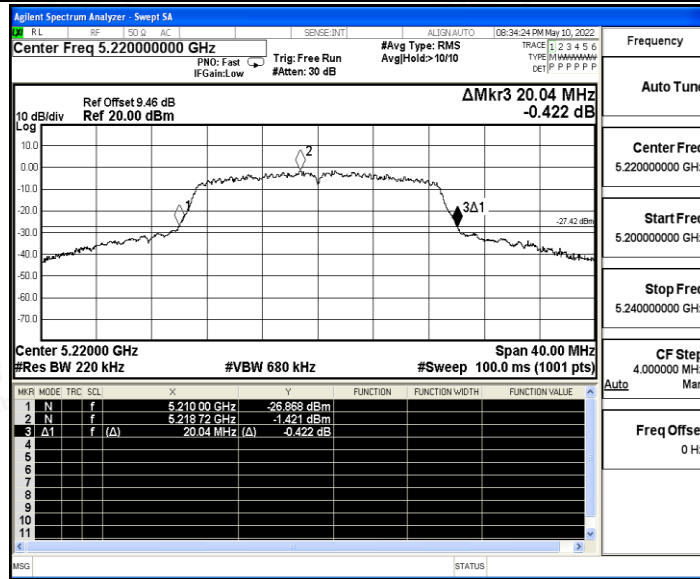


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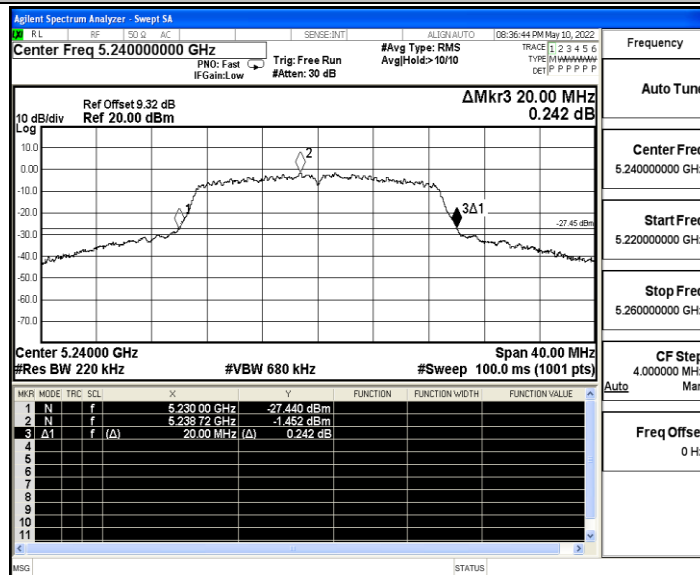
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11N20SISO_Ant B_5240



11N40SISO_Ant B_5190

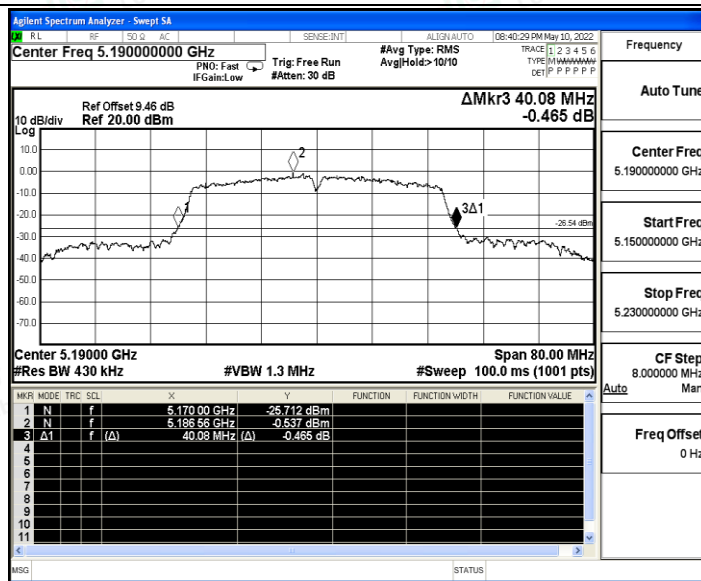


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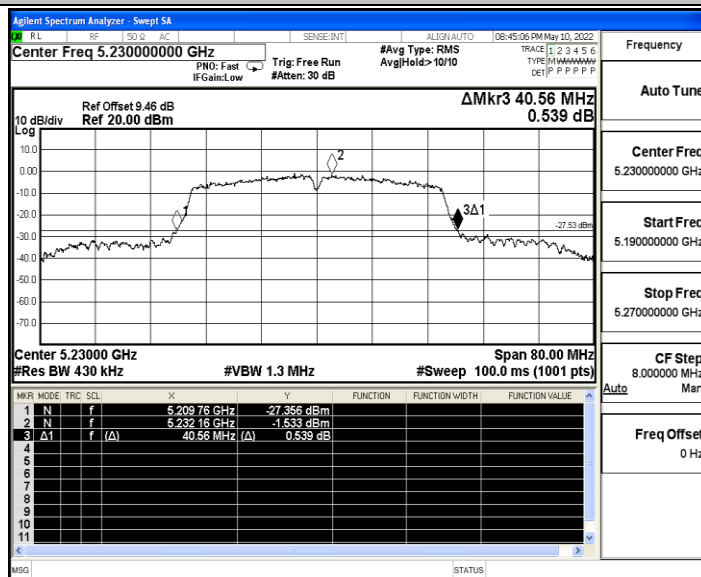
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11N40SISO_Ant B_5230



11AC20SISO_Ant B_5180

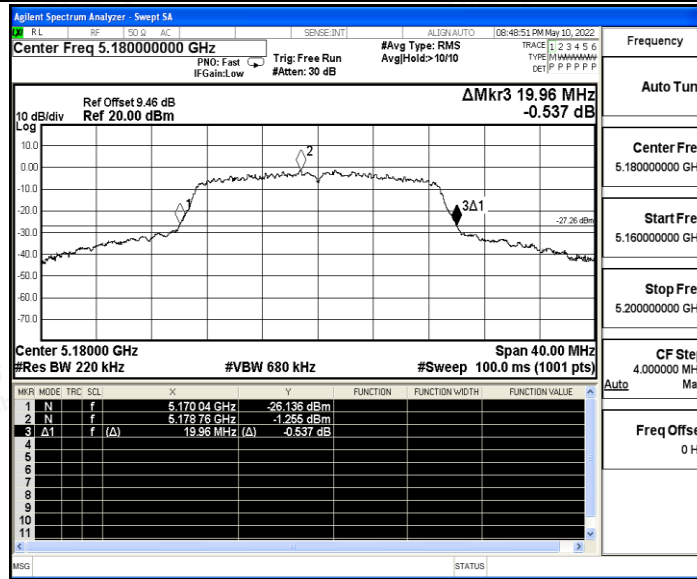


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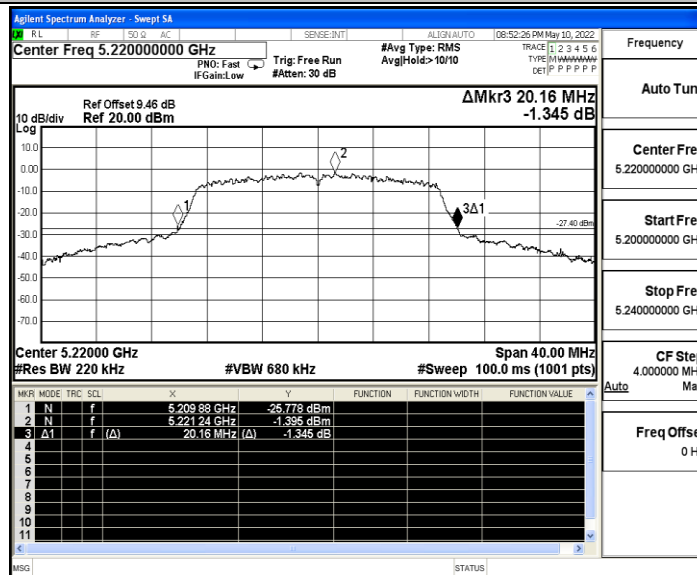
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11AC20SISO_Ant B_5220



11AC20SISO_Ant B_5240

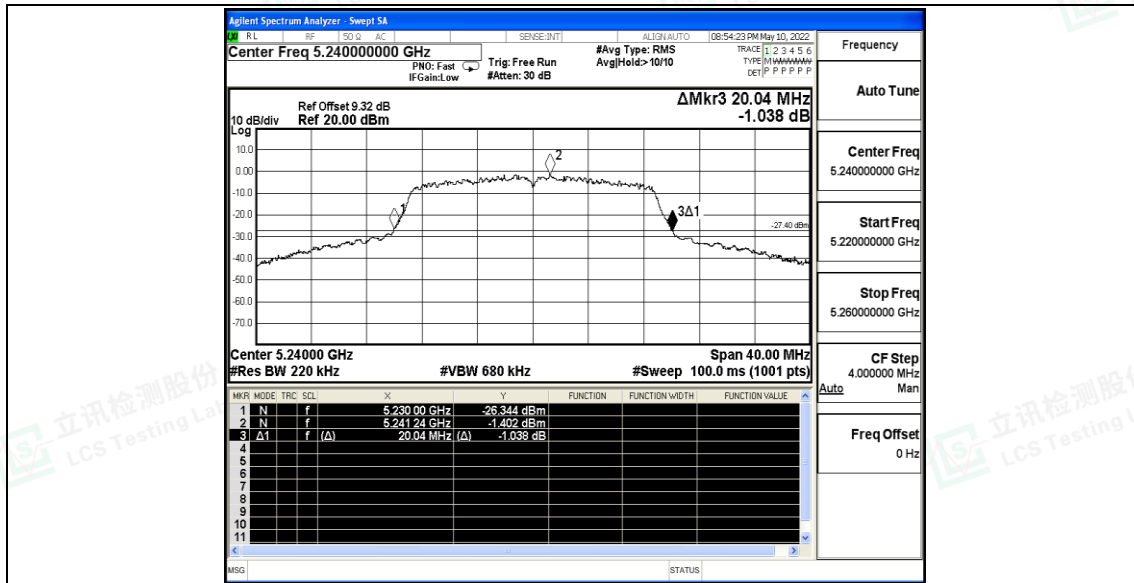


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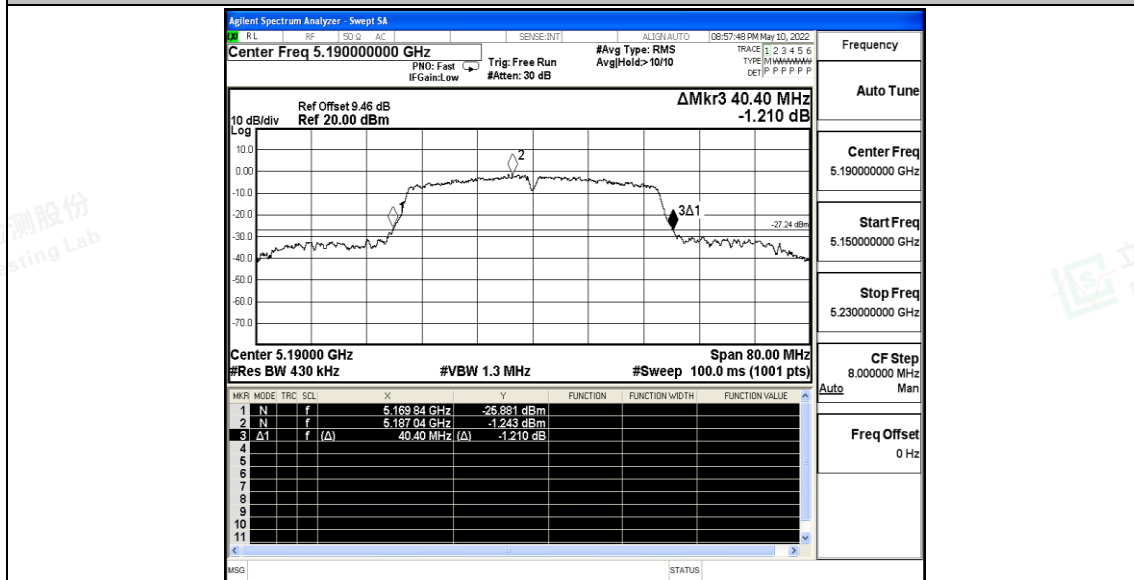
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11AC40SISO_Ant B_5190



11AC40SISO_Ant B_5230

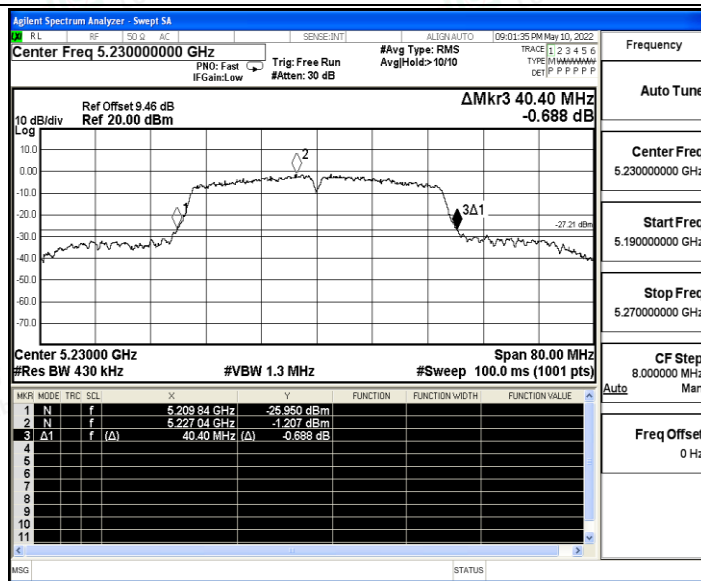


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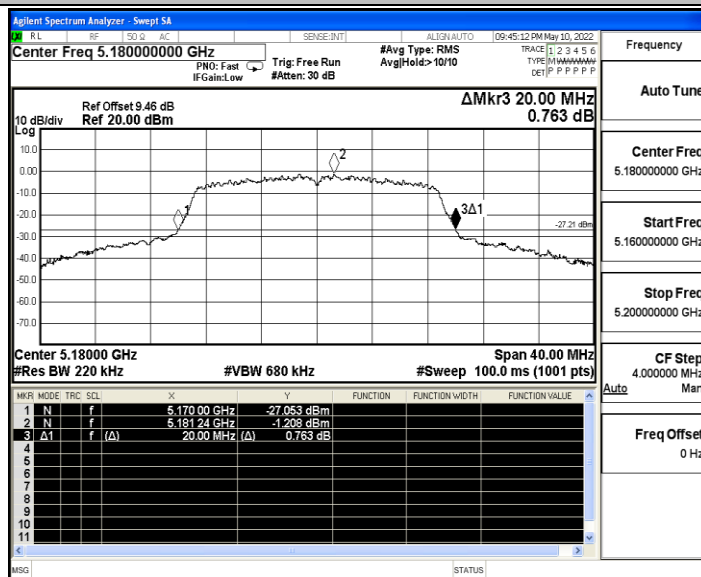
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11AX20SISO_Ant B_5180



11AX20SISO_Ant B_5220

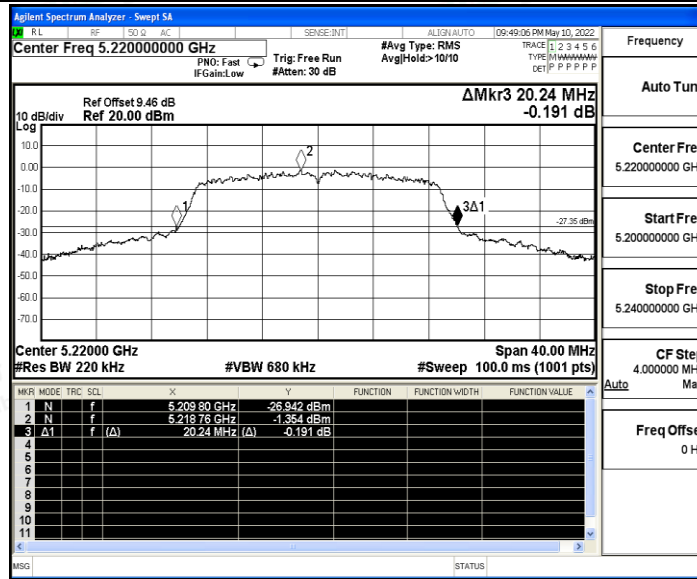


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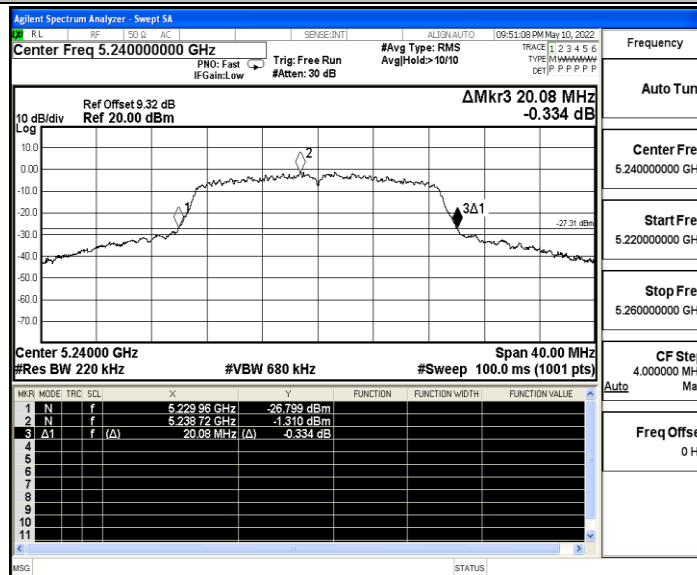
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11AX20SISO_Ant B_5240



11AX40SISO_Ant B_5190

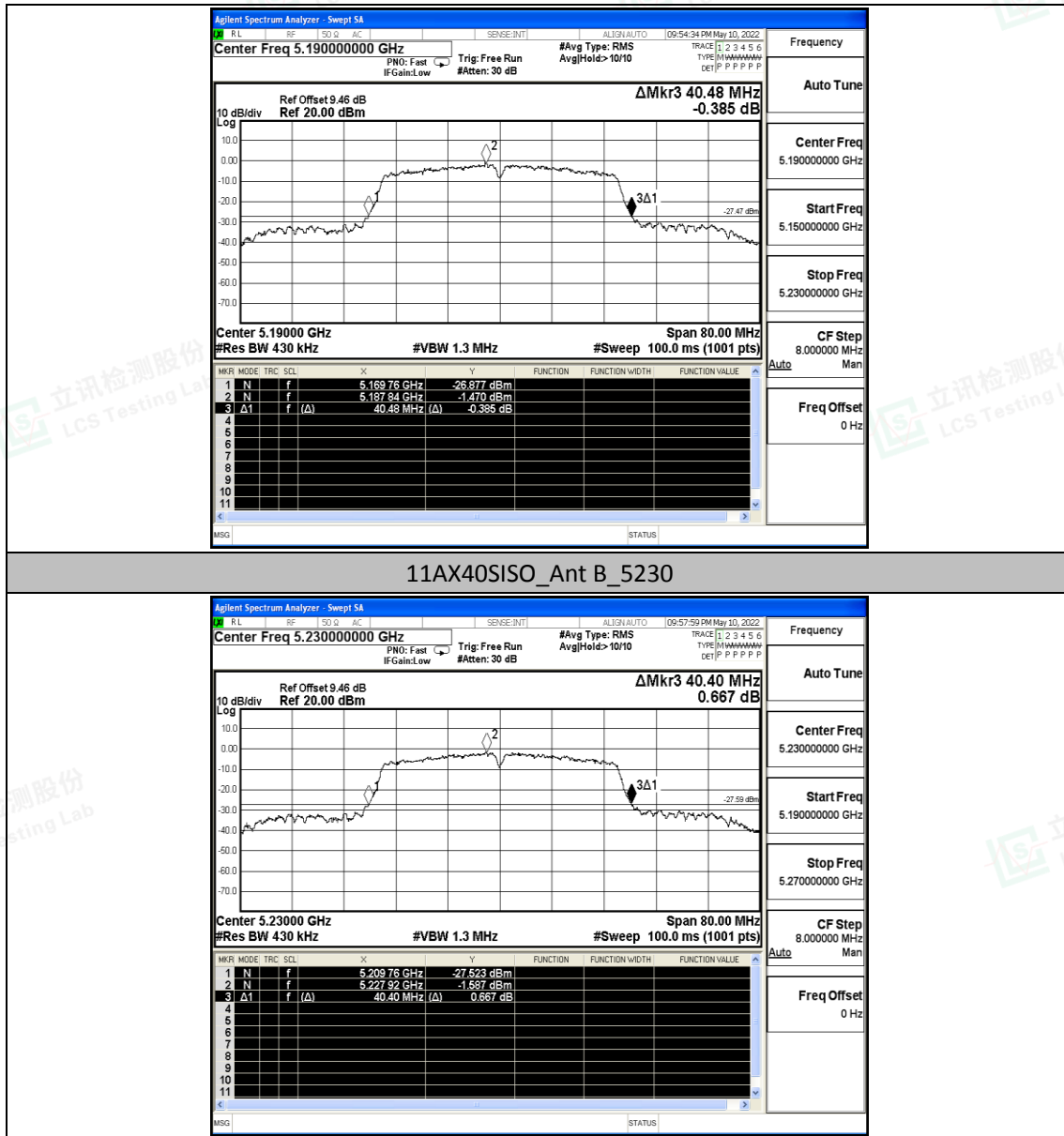


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D.2 Maximum conducted output power

Test Result

TestMode	Antenna	Frequency (MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant A	5180	9.86	≤23.98	PASS
		5220	9.48	≤23.98	PASS
		5240	9.30	≤23.98	PASS
11N20SISO	Ant A	5180	9.79	≤23.98	PASS
		5220	9.46	≤23.98	PASS
		5240	9.28	≤23.98	PASS
11N40SISO	Ant A	5190	6.64	≤23.98	PASS
		5230	7.33	≤23.98	PASS
11AC20SISO	Ant A	5180	9.84	≤23.98	PASS
		5220	9.45	≤23.98	PASS
		5240	9.26	≤23.98	PASS
11AC40SISO	Ant A	5190	7.55	≤23.98	PASS
		5230	6.30	≤23.98	PASS
11AX20SISO	Ant A	5180	9.58	≤23.98	PASS
		5220	9.87	≤23.98	PASS
		5240	9.25	≤23.98	PASS
11AX40SISO	Ant A	5190	7.13	≤23.98	PASS
		5230	6.77	≤23.98	PASS
11A	Ant B	5180	9.48	≤23.98	PASS
		5220	9.27	≤23.98	PASS
		5240	9.31	≤23.98	PASS
11N20SISO	Ant B	5180	9.38	≤23.98	PASS
		5220	8.79	≤23.98	PASS
		5240	8.44	≤23.98	PASS
11N40SISO	Ant B	5190	9.58	≤23.98	PASS
		5230	9.09	≤23.98	PASS
11AC20SISO	Ant B	5180	9.07	≤23.98	PASS
		5220	9.32	≤23.98	PASS
		5240	9.89	≤23.98	PASS
11AC40SISO	Ant B	5190	7.65	≤23.98	PASS
		5230	7.41	≤23.98	PASS
11AX20SISO	Ant B	5180	9.30	≤23.98	PASS
		5220	9.18	≤23.98	PASS
		5240	8.51	≤23.98	PASS
11AX40SISO	Ant B	5190	6.57	≤23.98	PASS



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		5230	5.26	≤23.98	PASS
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Note: The Duty Cycle Factor is compensated in the graph.

ANT A+B

TestMode	Channel	ANT A [dBm]	ANT B [dBm]	MIMO [dBm]	Limit [dBm]	Verdict
11N20SISO	5180	9.79	9.38	12.60	≤23.98	PASS
	5200	9.46	8.79	12.15	≤23.98	PASS
	5240	9.28	8.44	11.89	≤23.98	PASS
11N40SISO	5190	6.64	9.58	11.36	≤23.98	PASS
	5230	7.33	9.09	11.31	≤23.98	PASS
11AC20SISO	5180	9.84	9.07	12.48	≤23.98	PASS
	5200	9.45	9.32	12.40	≤23.98	PASS
	5240	9.26	9.89	12.60	≤23.98	PASS
11AC40SISO	5190	7.55	7.65	10.61	≤23.98	PASS
	5230	6.30	7.41	9.90	≤23.98	PASS
11AX20SISO	5180	9.58	9.30	12.45	≤23.98	PASS
	5200	9.87	9.18	12.55	≤23.98	PASS
	5240	9.25	8.51	11.91	≤23.98	PASS
11AX40SISO	5190	7.13	6.57	9.87	≤23.98	PASS
	5230	6.77	5.26	9.09	≤23.98	PASS





D.3 Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant A	5180	-0.6	≤11.00	PASS
		5220	-0.94	≤11.00	PASS
		5240	-1.16	≤11.00	PASS
11N20SISO	Ant A	5180	-0.7	≤11.00	PASS
		5220	-1.03	≤11.00	PASS
		5240	-1.15	≤11.00	PASS
11N40SISO	Ant A	5190	-3.66	≤11.00	PASS
		5230	-3.95	≤11.00	PASS
11AC20SISO	Ant A	5180	-0.64	≤11.00	PASS
		5220	-0.92	≤11.00	PASS
		5240	-1.18	≤11.00	PASS
11AC40SISO	Ant A	5190	-3.66	≤11.00	PASS
		5230	-4	≤11.00	PASS
11AX20SISO	Ant A	5180	-1.02	≤11.00	PASS
		5220	-0.73	≤11.00	PASS
		5240	-1.28	≤11.00	PASS
11AX40SISO	Ant A	5190	-5.09	≤11.00	PASS
		5230	-9.88	≤11.00	PASS
11A	Ant B	5180	-2.88	≤11.00	PASS
		5220	-2.82	≤11.00	PASS
		5240	-2.88	≤11.00	PASS
11N20SISO	Ant B	5180	-2.87	≤11.00	PASS
		5220	-2.96	≤11.00	PASS
		5240	-3	≤11.00	PASS
11N40SISO	Ant B	5190	-5.81	≤11.00	PASS
		5230	-5.75	≤11.00	PASS
11AC20SISO	Ant B	5180	-2.87	≤11.00	PASS
		5220	-2.91	≤11.00	PASS
		5240	-3.01	≤11.00	PASS
11AC40SISO	Ant B	5190	-5.77	≤11.00	PASS
		5230	-5.8	≤11.00	PASS
11AX20SISO	Ant B	5180	-2.71	≤11.00	PASS
		5220	-2.82	≤11.00	PASS
		5240	-2.84	≤11.00	PASS
11AX40SISO	Ant B	5190	-5.74	≤11.00	PASS



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		5230	-5.73	≤11.00	PASS
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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.

ANT A+B

Test Mode	Frequency (MHz)	ANT 1 Power Density (dBm /MHz)	ANT 2 Power Density (dBm /MHz)	MIMO Power Density (dBm /MHz)	Limit (dBm /MHz)	Verdict
11N20SISO	5180	-0.7	-2.87	1.36	11	Pass
	5200	-1.03	-2.96	1.12		Pass
	5240	-1.15	-3	1.03		Pass
11N40SISO	5190	-3.66	-5.81	-1.59	11	Pass
	5230	-3.95	-5.75	-1.75		Pass
11AC20SISO	5180	-0.64	-2.87	1.40	11	Pass
	5200	-0.92	-2.91	1.21		Pass
	5240	-1.18	-3.01	1.01		Pass
11AC40SISO	5190	-3.66	-5.77	-1.58	11	Pass
	5230	-4	-5.8	-1.80		Pass
11AX20SISO	5180	-1.02	-2.71	1.23	11	Pass
	5200	-0.73	-2.82	1.36		Pass
	5240	-1.28	-2.84	1.02		Pass
11AX40SISO	5190	-5.09	-5.74	-2.39	11	Pass
	5230	-9.88	-5.73	-4.32		Pass



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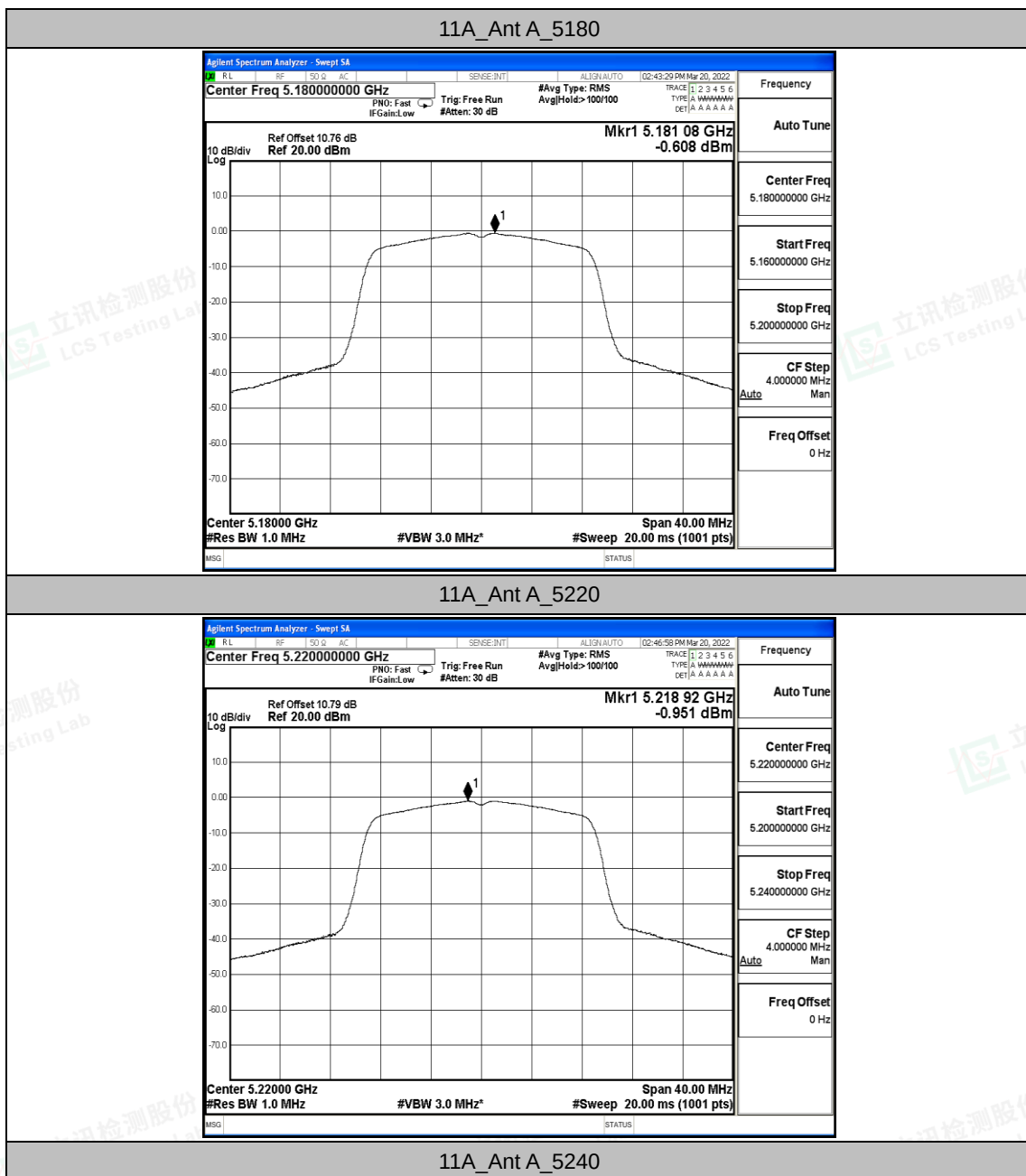
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Test Graphs

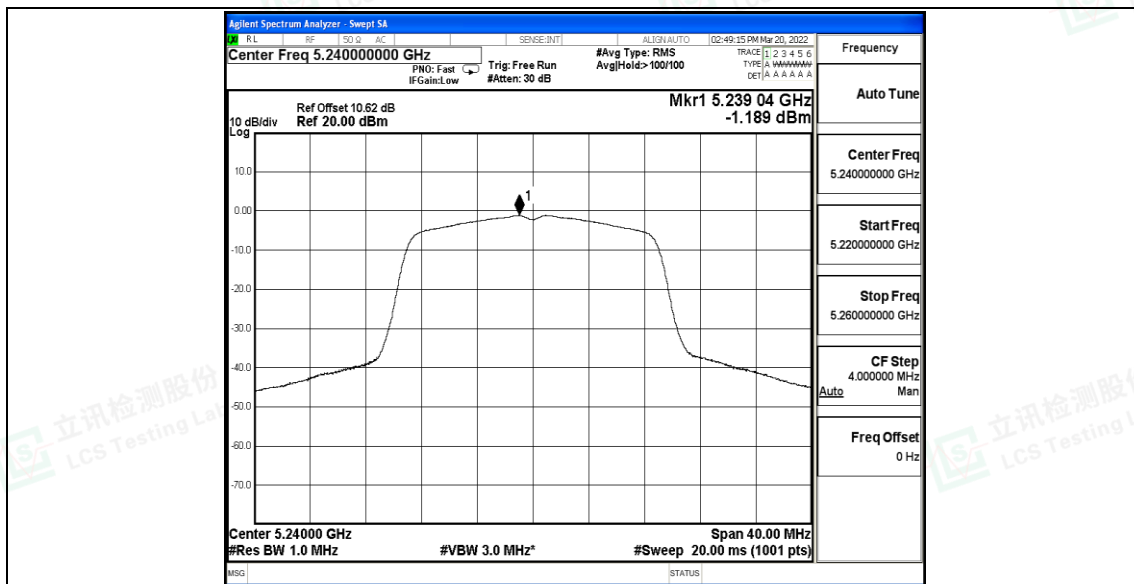


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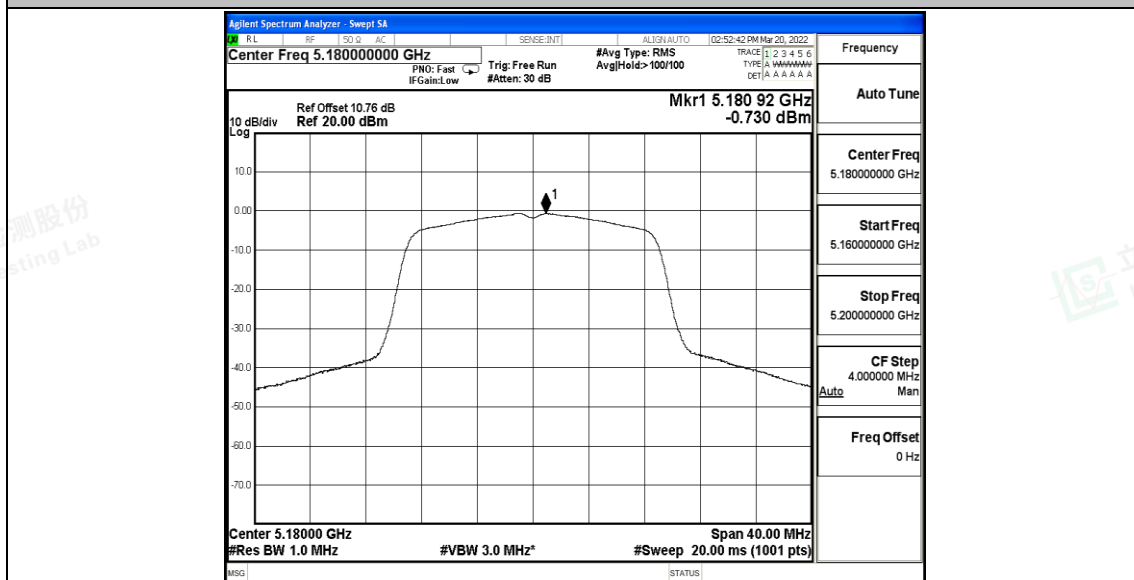
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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11N20SISO_Ant A_5180



11N20SISO_Ant A_5220

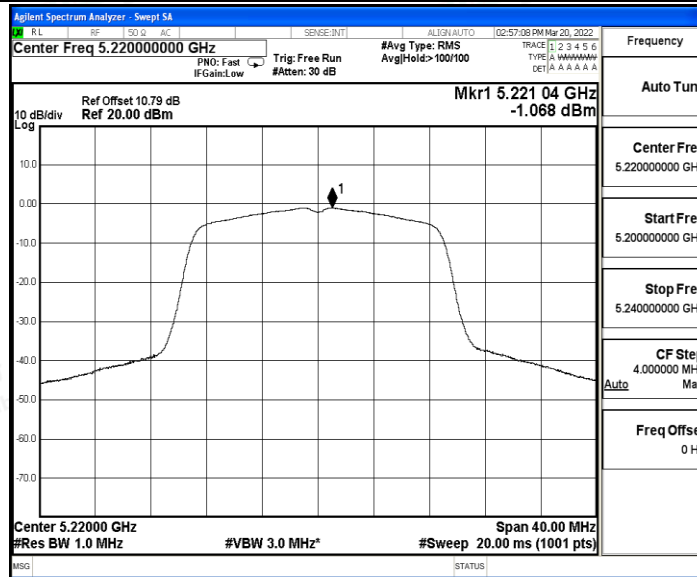


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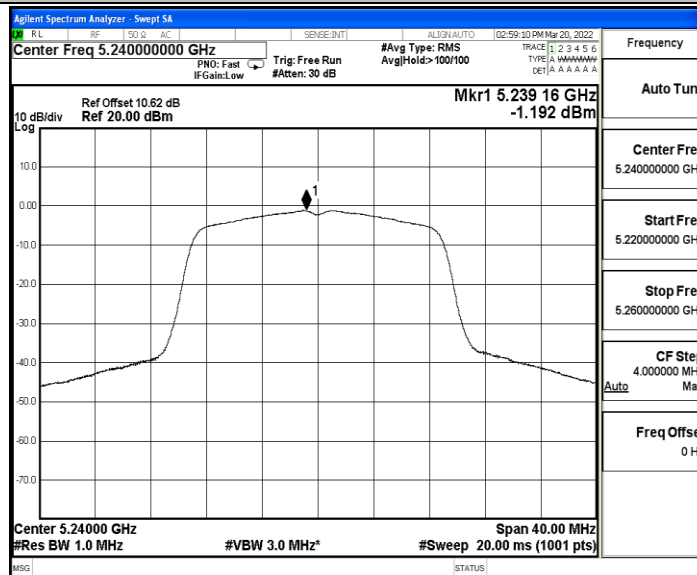
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11N20SISO_Ant A_5240



11N40SISO_Ant A_5190

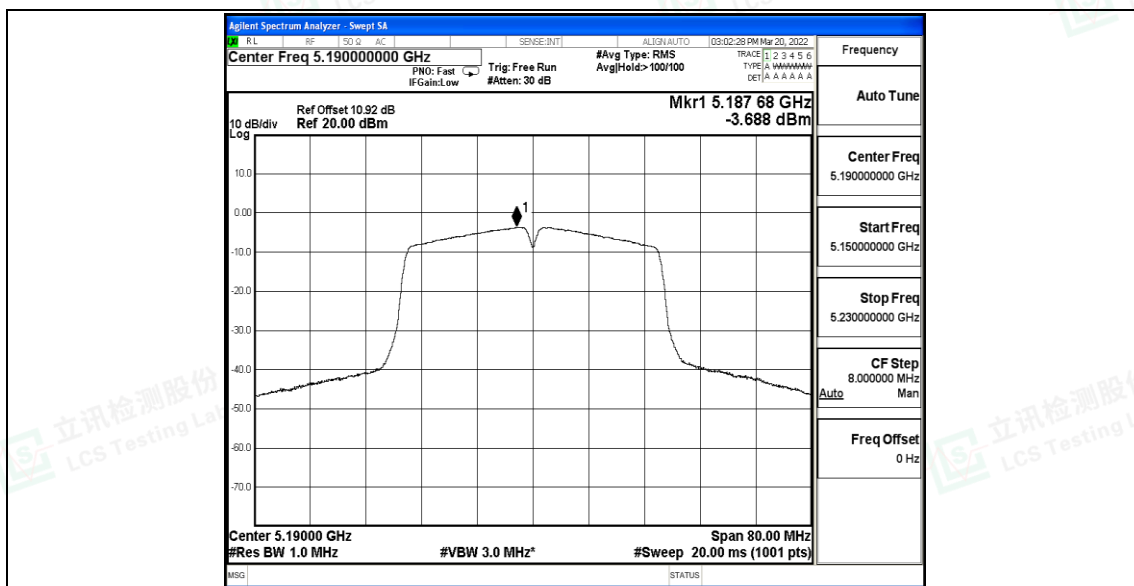


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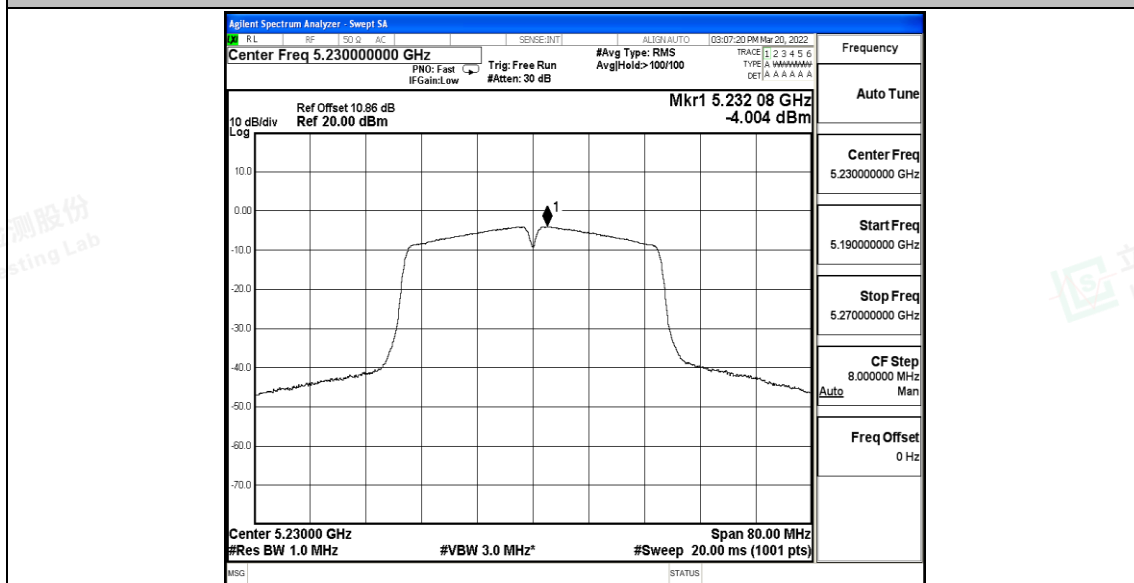
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11N40SISO_Ant A_5230



11AC20SISO_Ant A_5180

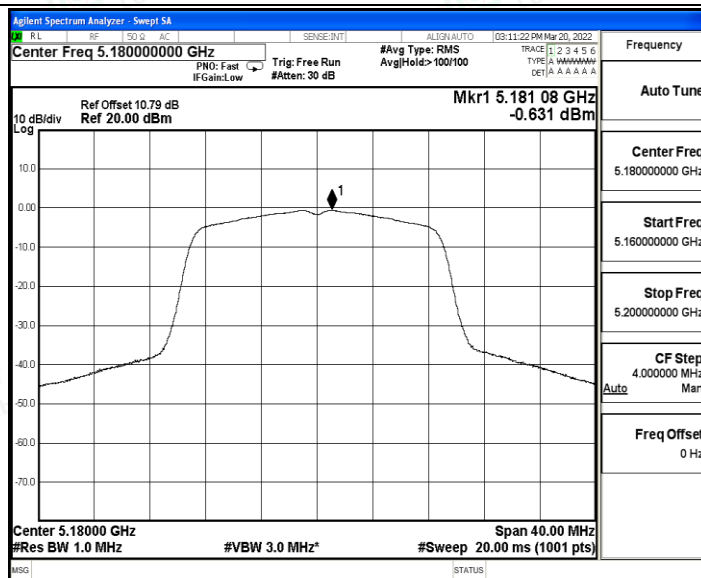


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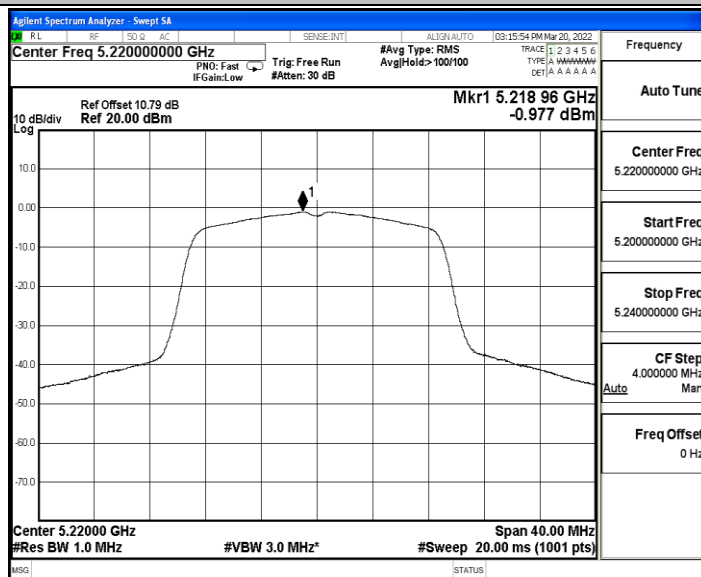
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11AC20SISO_Ant A_5220



11AC20SISO_Ant A_5240

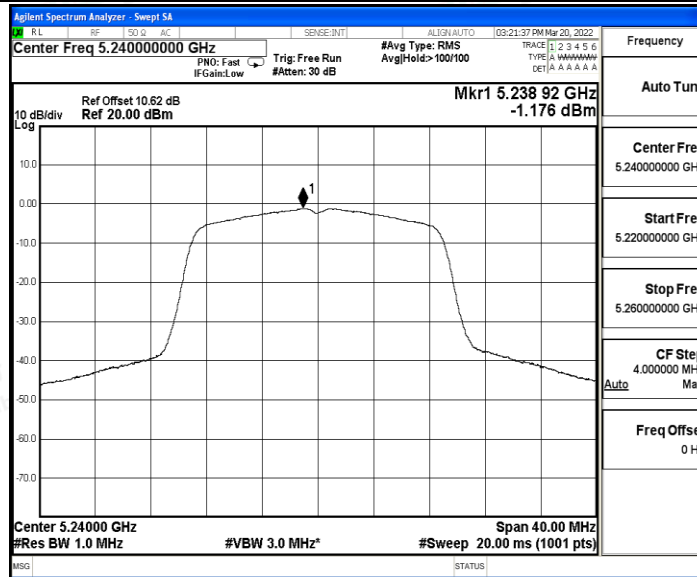


Shenzhen LCS Compliance Testing Laboratory Ltd.

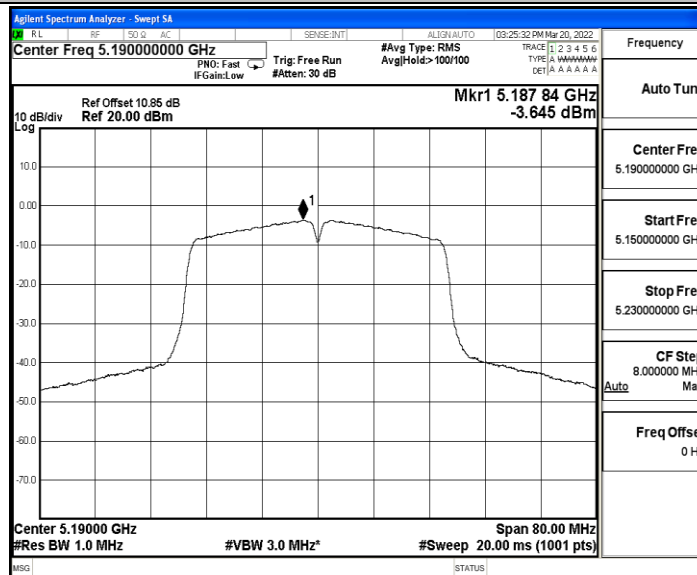
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11AC40SISO_Ant A_5190



11AC40SISO_Ant A_5230

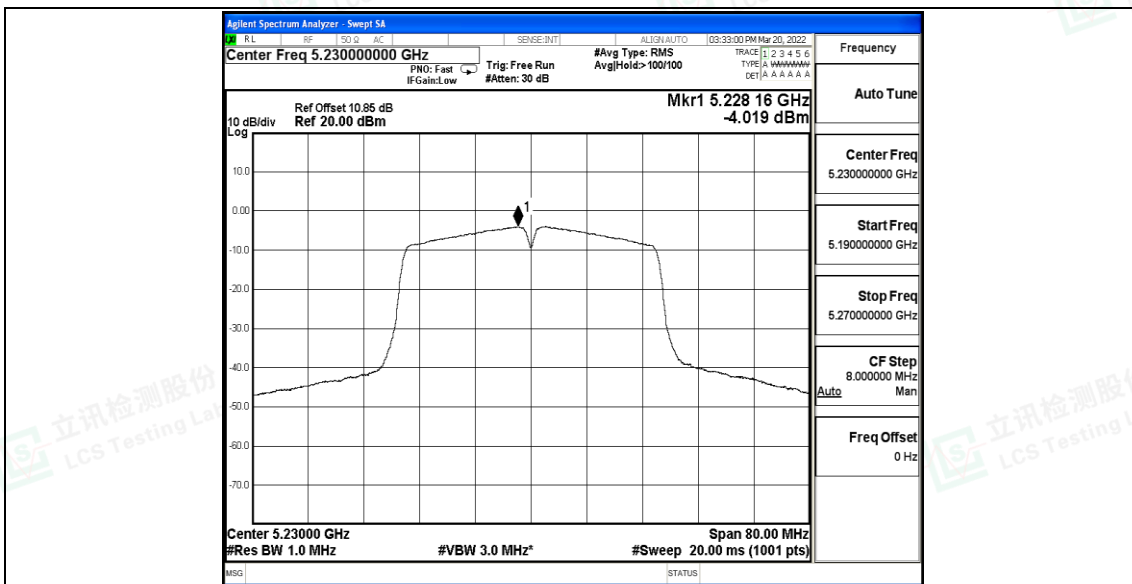


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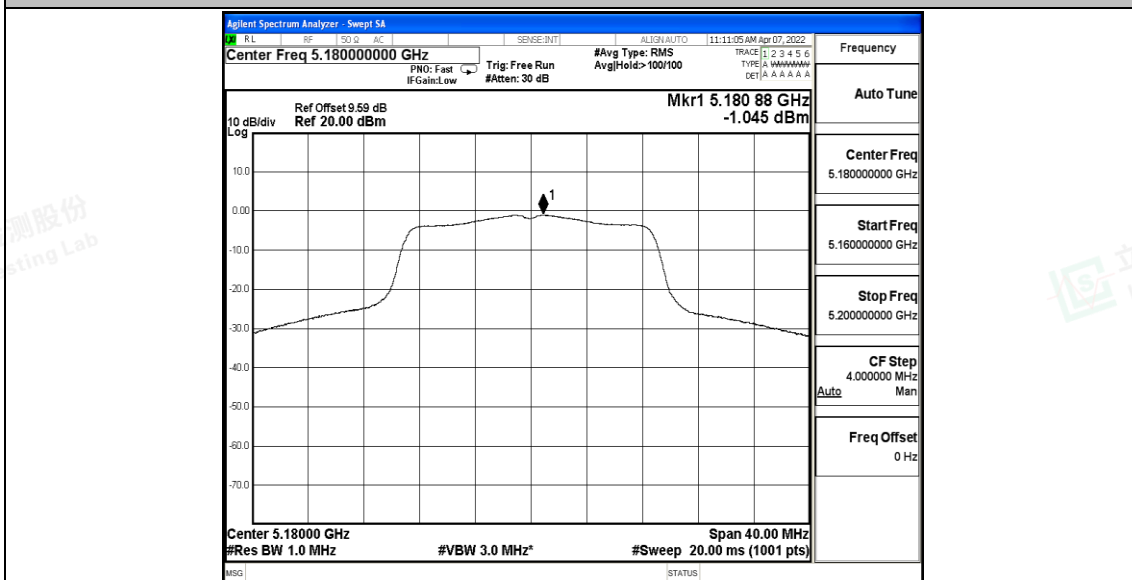
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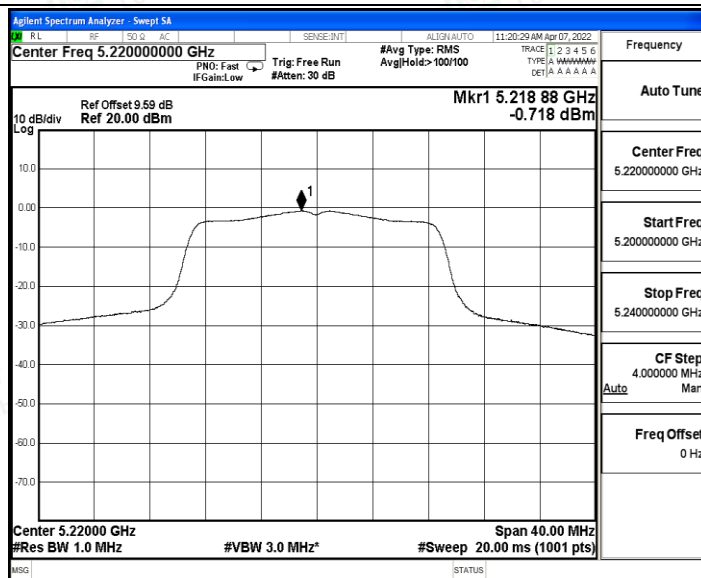


11AX20SISO_Ant A_5180

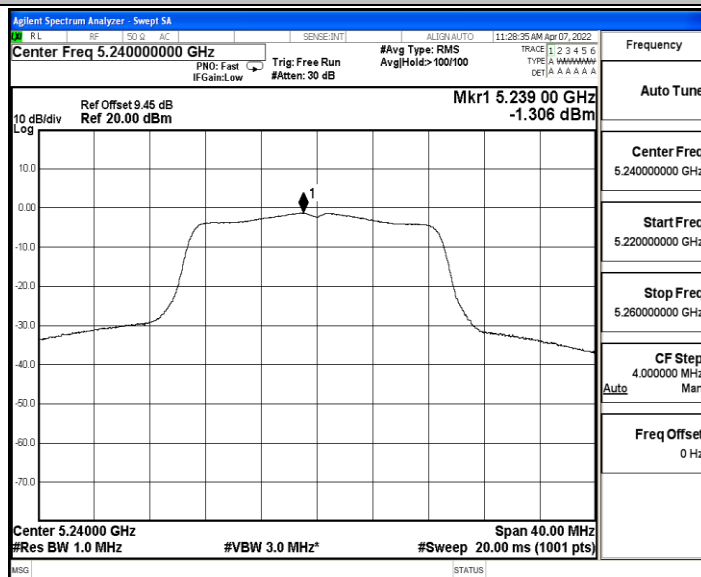


11AX20SISO_Ant A_5220





11AX20SISO_Ant A_5240



11AX40SISO_Ant A_5190

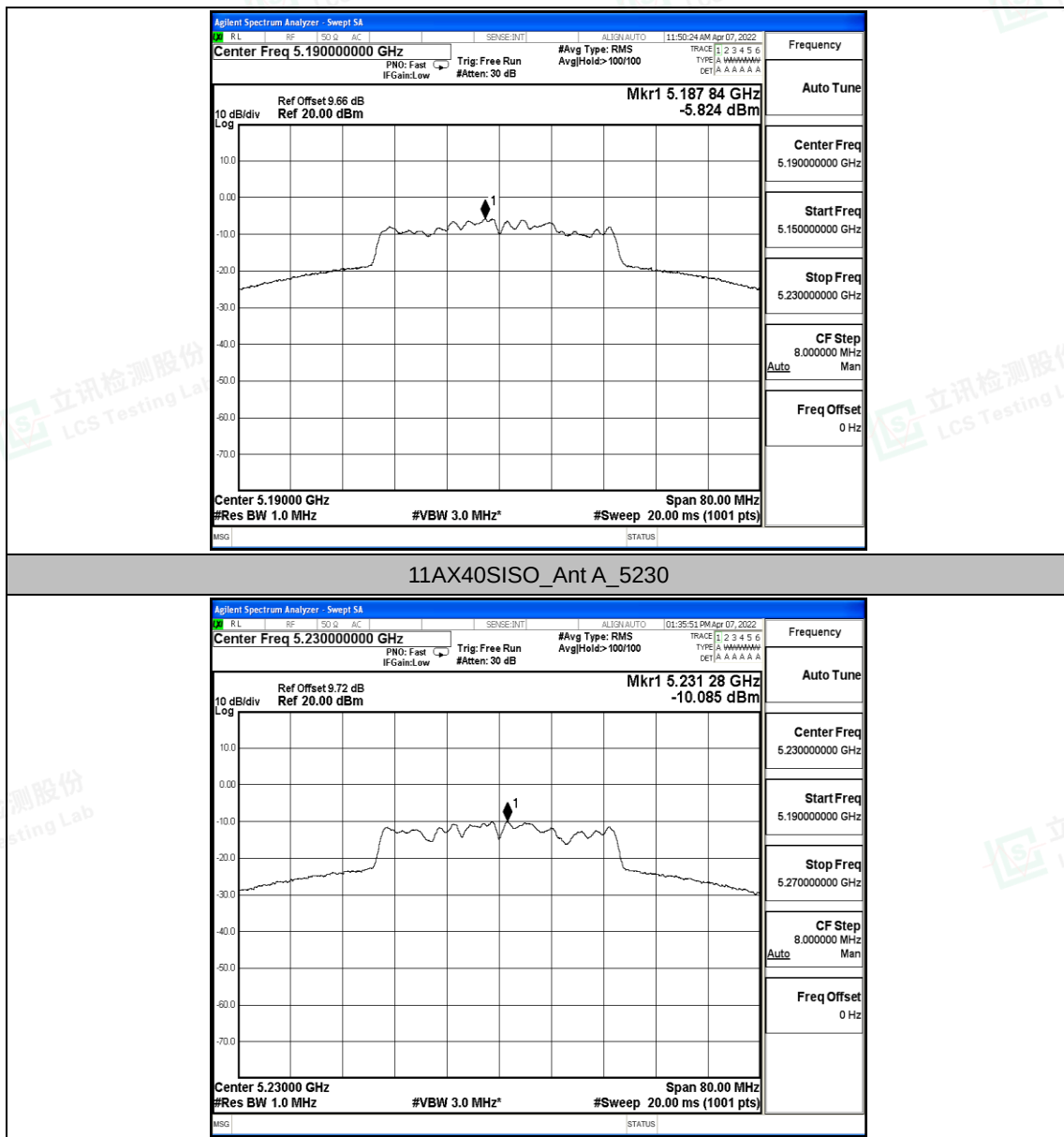


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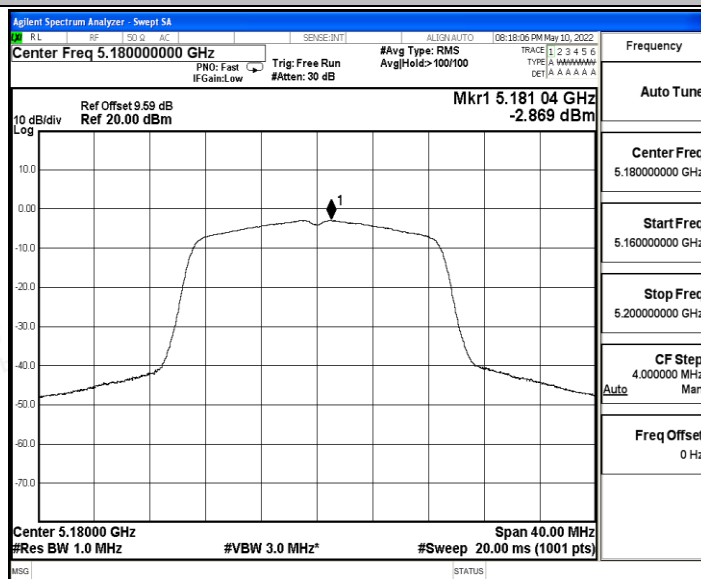
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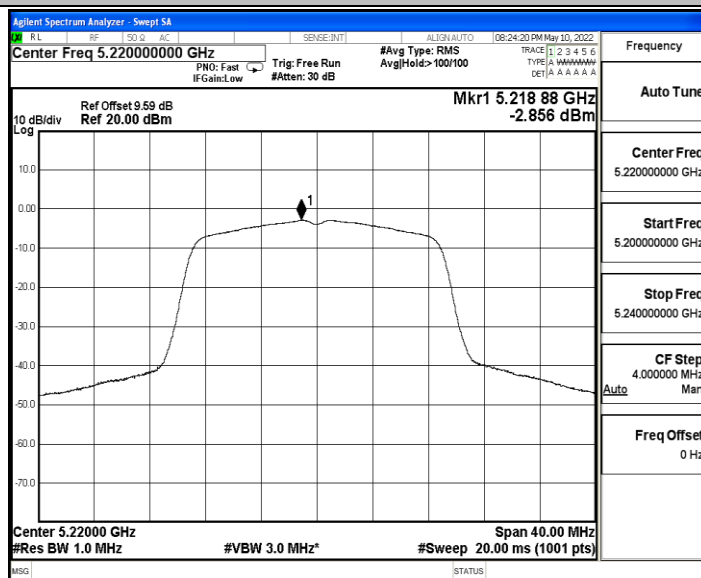




11A_Ant B_5180



11A_Ant B_5220



11A_Ant B_5240

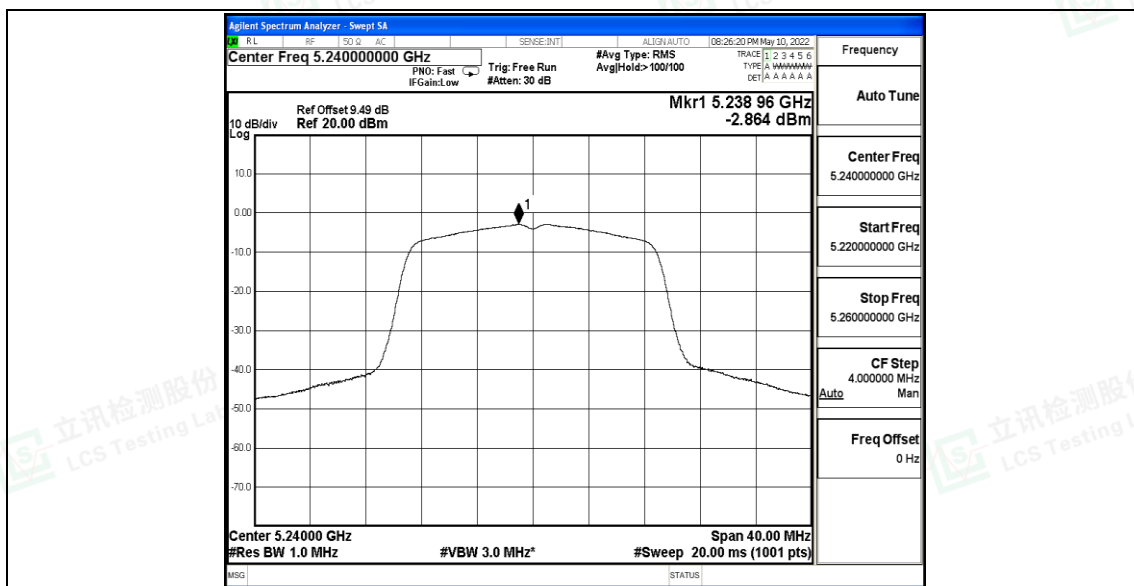


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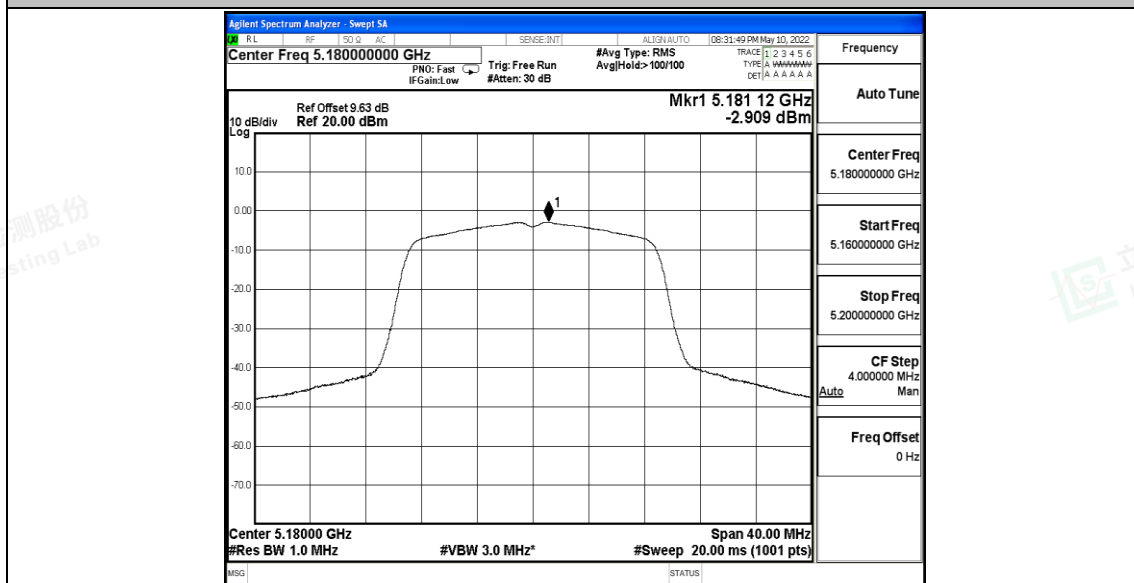
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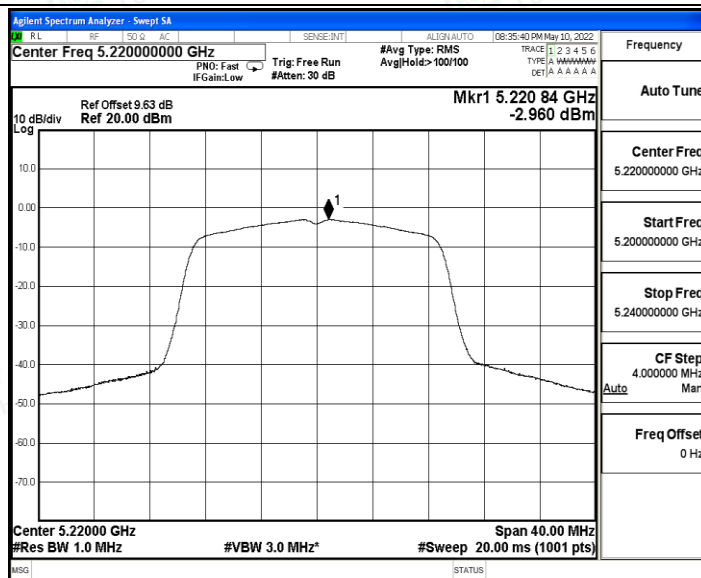


11N20SISO_Ant B_5180

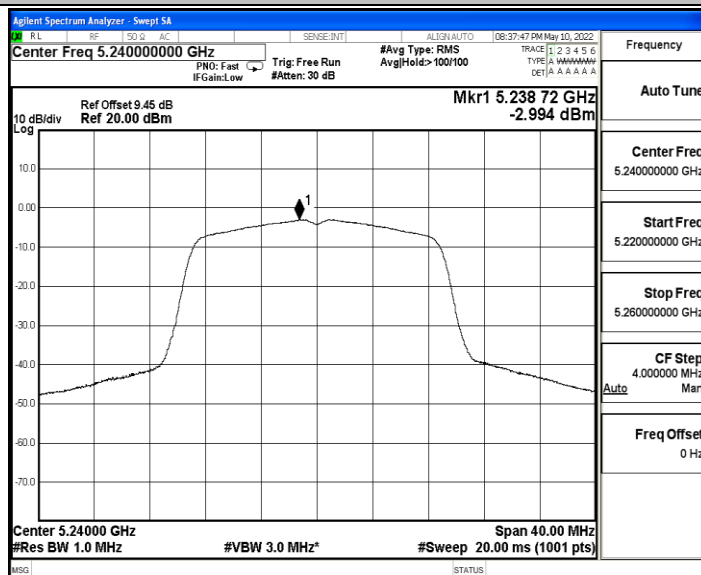


11N20SISO_Ant B_5220





11N20SISO_Ant B_5240



11N40SISO_Ant B_5190

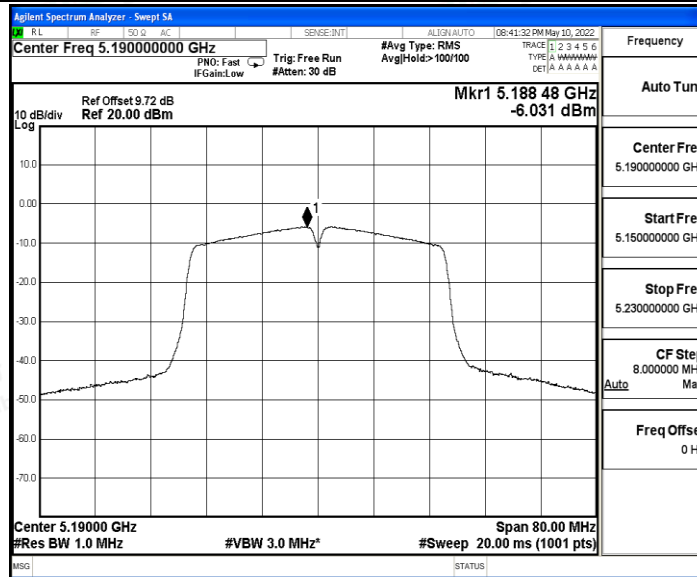


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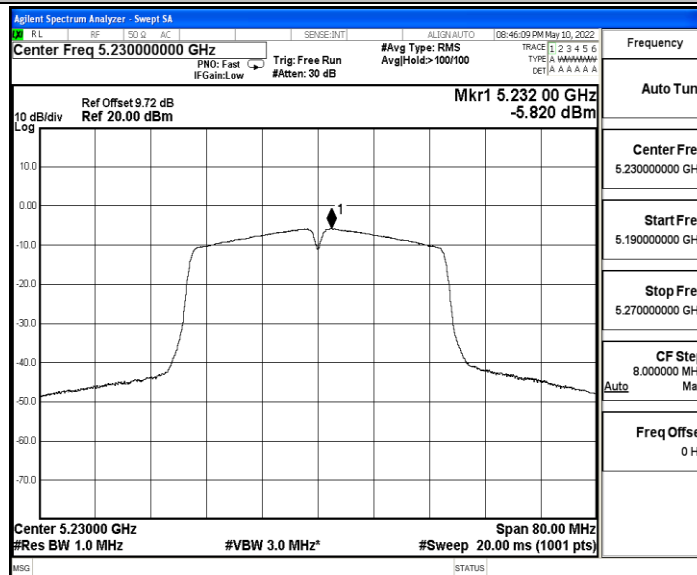
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11N40SISO_Ant B_5230



11AC20SISO_Ant B_5180

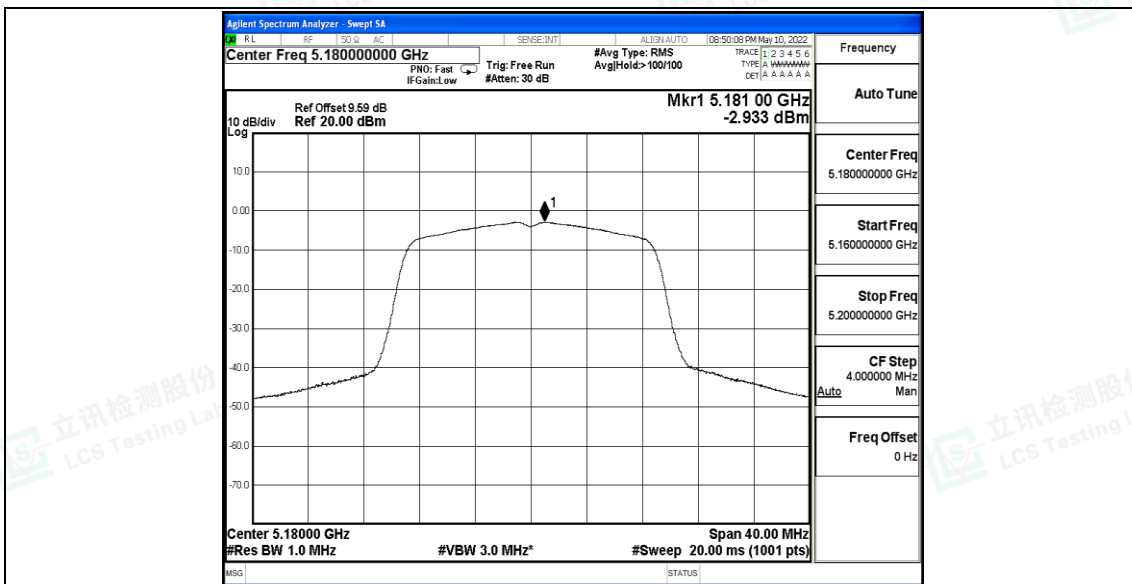


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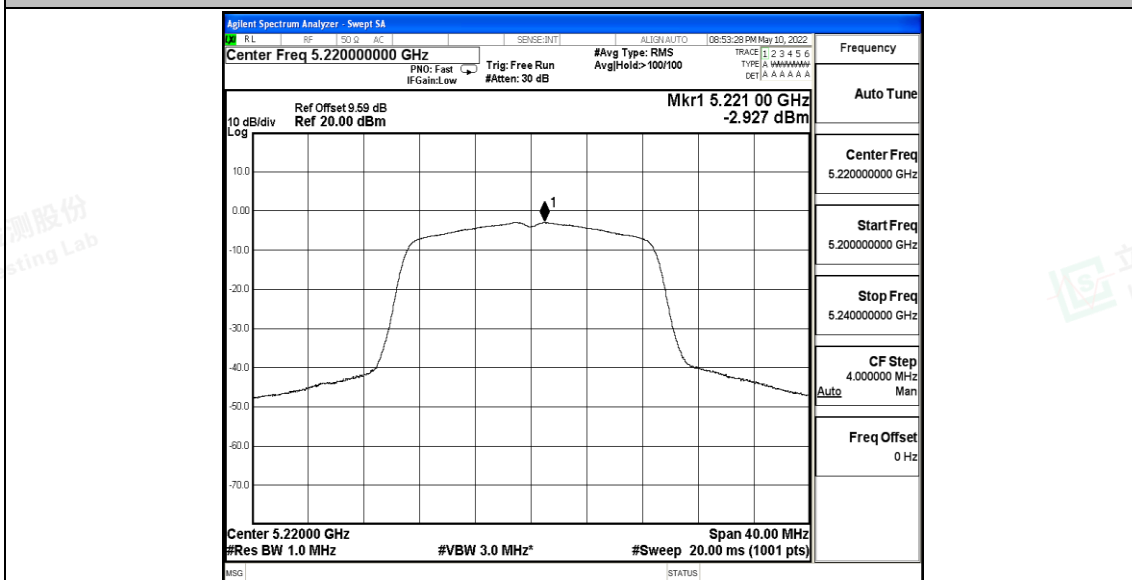
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11AC20SISO_Ant B_5220



11AC20SISO_Ant B_5240

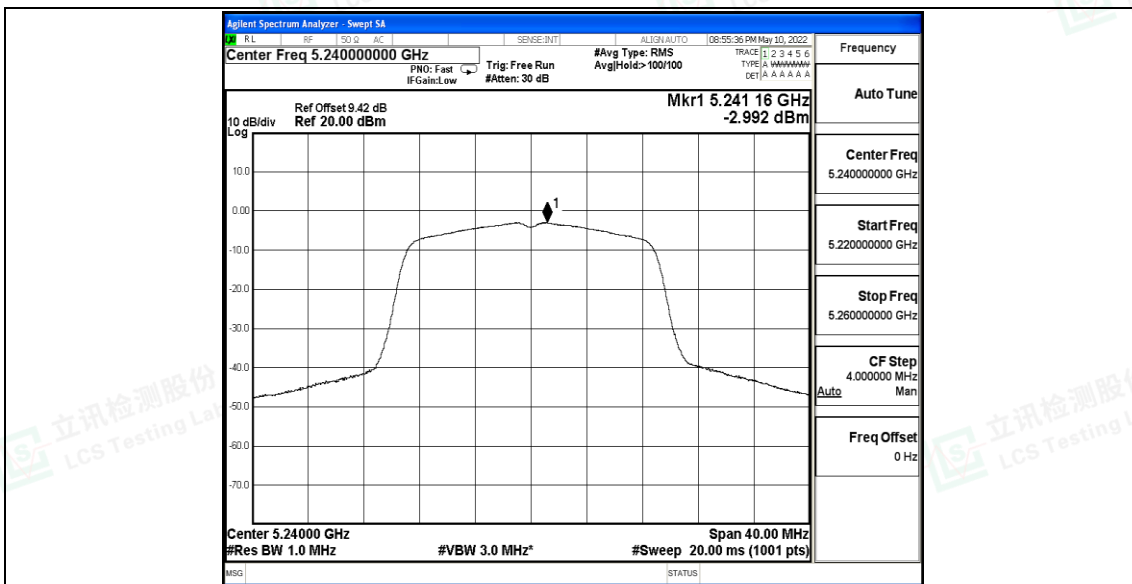


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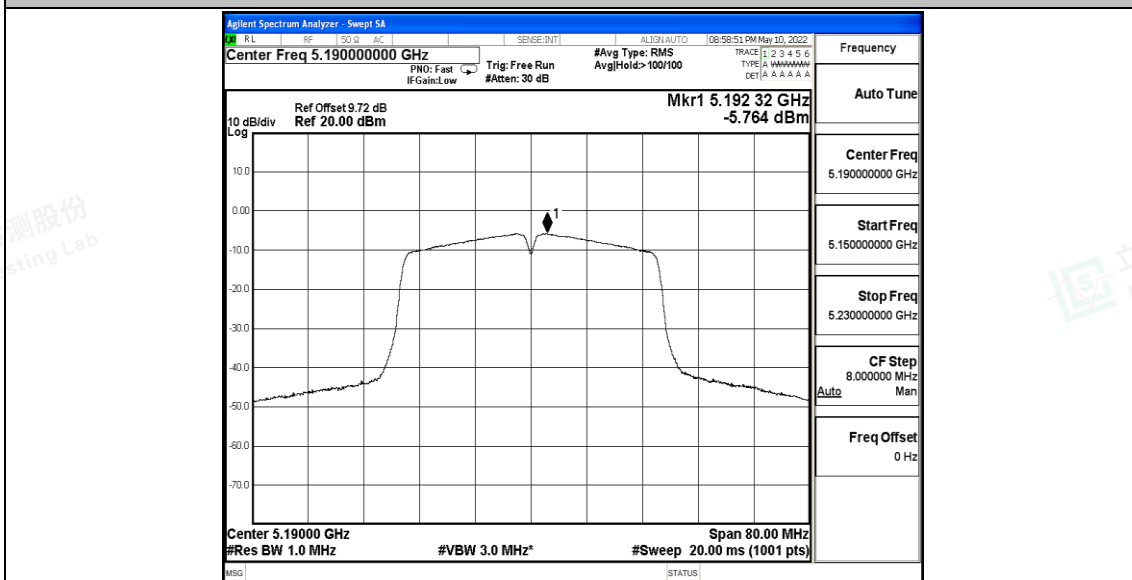
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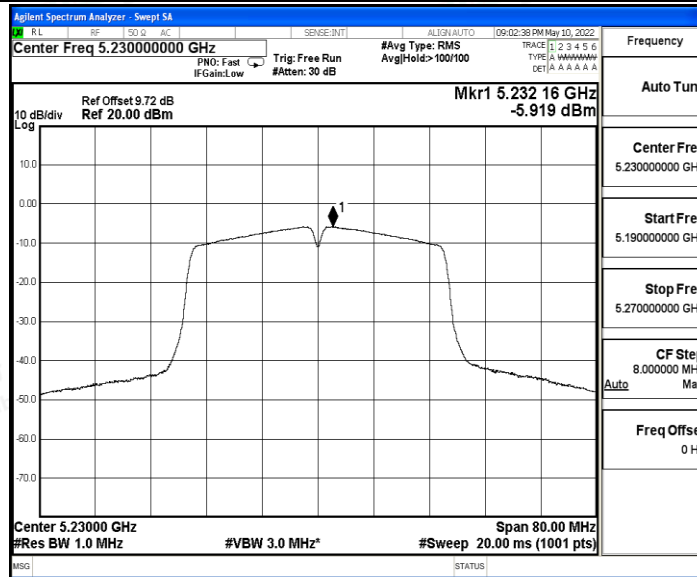


11AC40SISO_Ant B_5190

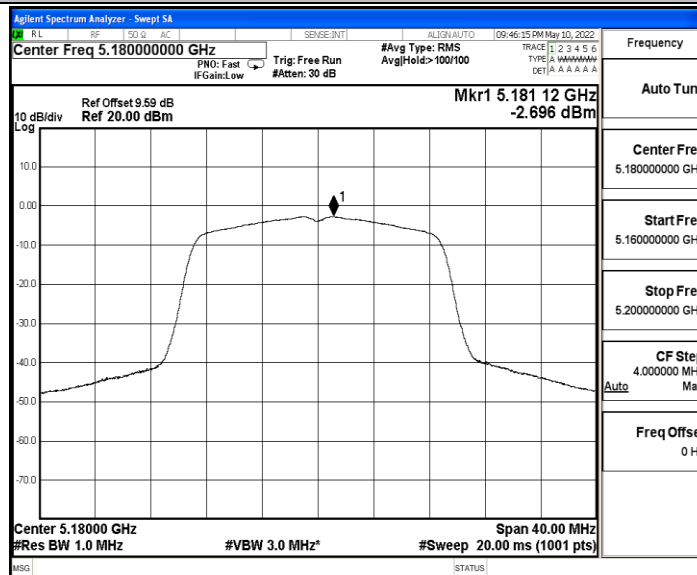


11AC40SISO_Ant B_5230





11AX20SISO_Ant B_5180



11AX20SISO_Ant B_5220

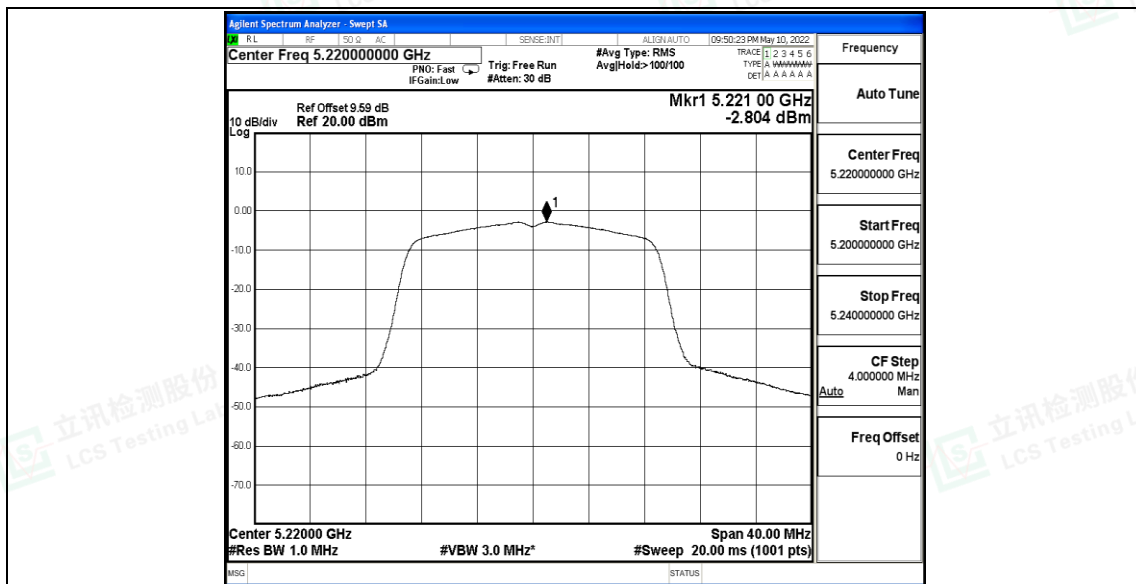


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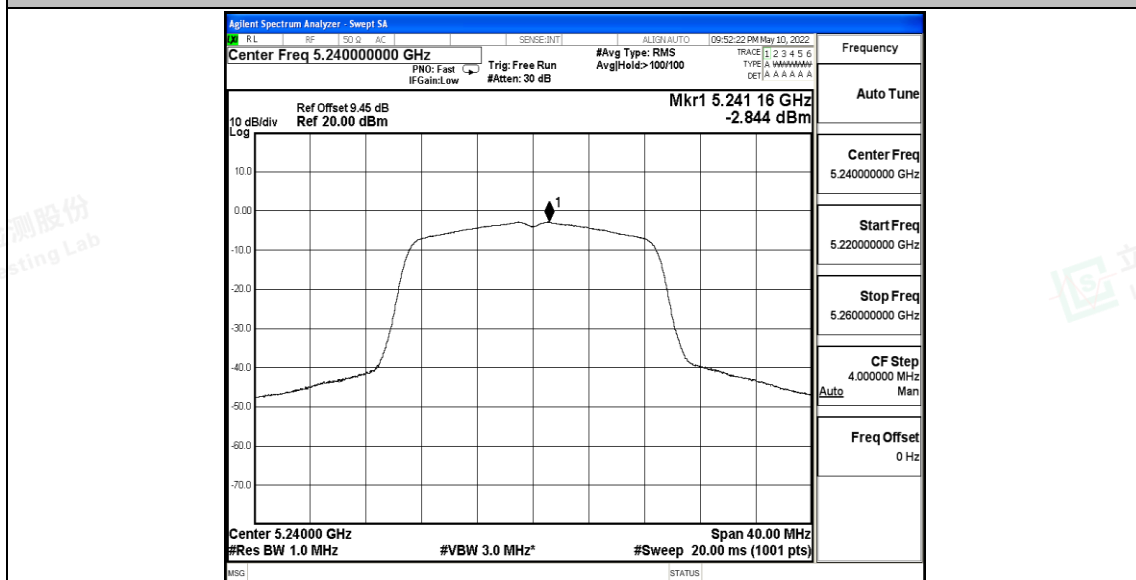
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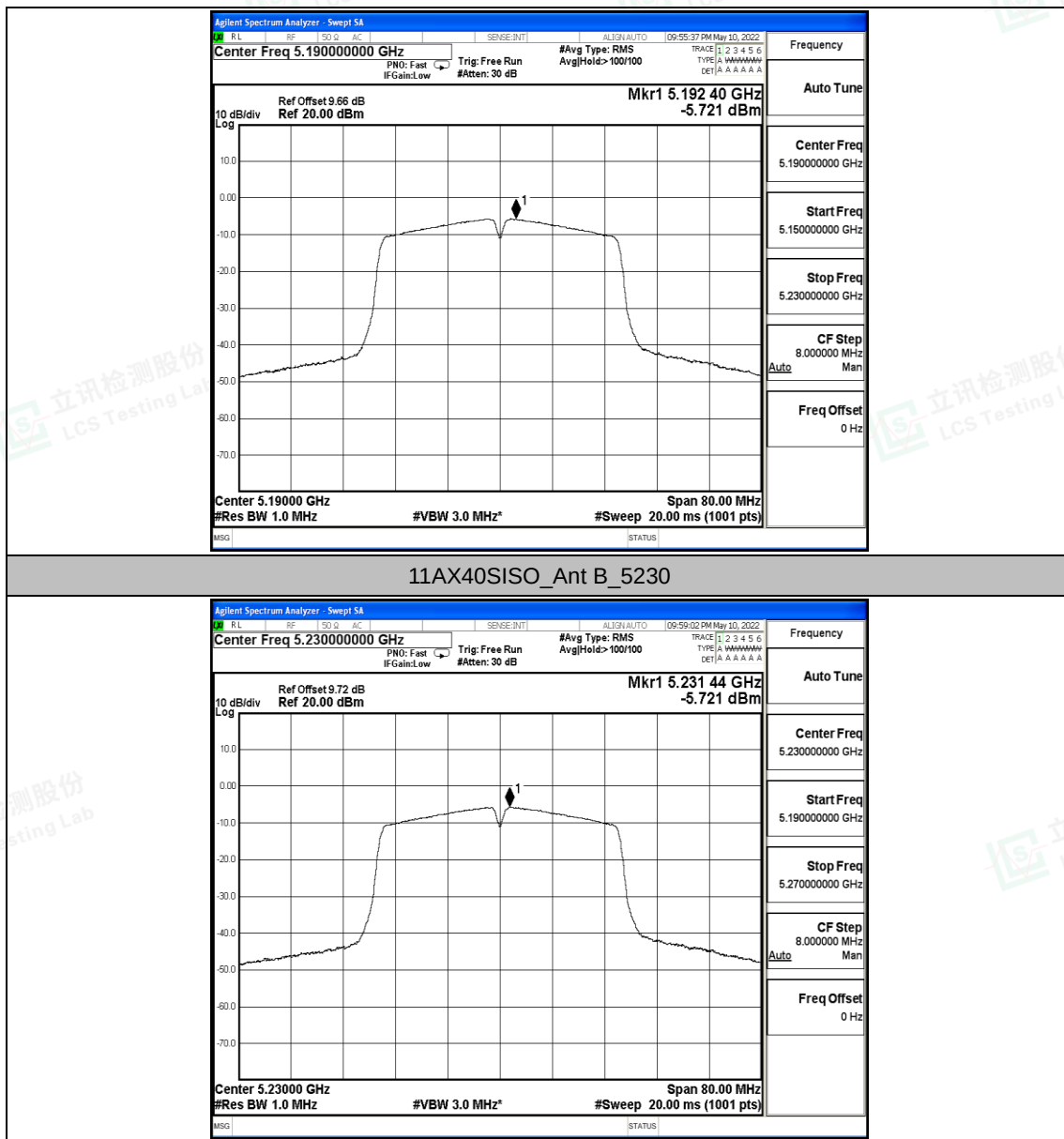


11AX20SISO_Ant B_5240



11AX40SISO_Ant B_5190





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D.4 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant A	Low	5180	AV	4500.000	-47.53	≤-41.20	47.67	≤54	PASS
				AV	5149.600	-45.37	≤-41.20	49.83	≤54	PASS
				AV	5150.000	-45.21	≤-41.20	49.99	≤54	PASS
				Peak	4500.000	-38.85	≤-21.20	56.35	≤68.2	PASS
				Peak	5148.200	-35.31	≤-21.20	59.89	≤68.2	PASS
				Peak	5150.000	-36.84	≤-21.20	58.36	≤68.2	PASS
		High	5240	AV	5350.000	-46.17	≤-41.20	49.03	≤54	PASS
				AV	5390.640	-46.04	≤-41.20	49.16	≤54	PASS
				AV	5460.000	-46.44	≤-41.20	48.76	≤54	PASS
				Peak	5350.000	-36.28	≤-21.20	58.92	≤68.2	PASS
				Peak	5436.960	-34.75	≤-21.20	60.45	≤68.2	PASS
				Peak	5460.000	-38.13	≤-21.20	57.07	≤68.2	PASS
11N20SIS O	Ant A	Low	5180	AV	4500.000	-49.26	≤-41.20	45.94	≤54	PASS
				AV	5149.600	-46.74	≤-41.20	48.46	≤54	PASS
				AV	5150.000	-46.42	≤-41.20	48.78	≤54	PASS
				Peak	4500.000	-41.57	≤-21.20	53.63	≤68.2	PASS
				Peak	5148.900	-36.67	≤-21.20	58.53	≤68.2	PASS
				Peak	5150.000	-41.07	≤-21.20	54.13	≤68.2	PASS
		High	5240	AV	5350.000	-47.84	≤-41.20	47.36	≤54	PASS
				AV	5396.640	-47.51	≤-41.20	47.69	≤54	PASS
				AV	5460.000	-47.91	≤-41.20	47.29	≤54	PASS
				Peak	5350.000	-41.27	≤-21.20	53.93	≤68.2	PASS
				Peak	5451.600	-38.08	≤-21.20	57.12	≤68.2	PASS
				Peak	5460.000	-41.75	≤-21.20	53.45	≤68.2	PASS
11N40SIS O	Ant A	Low	5190	AV	4500.000	-48.99	≤-41.20	46.21	≤54	PASS
				AV	5149.600	-44.12	≤-41.20	51.08	≤54	PASS
				AV	5150.000	-43.8	≤-41.20	51.40	≤54	PASS
				Peak	4500.000	-42.12	≤-21.20	53.08	≤68.2	PASS
				Peak	5148.200	-31.82	≤-21.20	63.38	≤68.2	PASS
				Peak	5150.000	-28.22	≤-21.20	66.98	≤68.2	PASS
		High	5230	AV	5350.000	-47.78	≤-41.20	47.42	≤54	PASS
				AV	5365.360	-47.24	≤-41.20	47.96	≤54	PASS
				AV	5460.000	-47.87	≤-41.20	47.33	≤54	PASS
				Peak	5350.000	-40.74	≤-21.20	54.46	≤68.2	PASS



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				Peak	5430.880	-38.19	≤-21.20	57.01	≤68.2	PASS
				Peak	5460.000	-41.53	≤-21.20	53.67	≤68.2	PASS
11AC20SI SO	Ant A	Low	5180	AV	4500.000	-49.28	≤-41.20	45.92	≤54	PASS
				AV	5148.900	-46.8	≤-41.20	48.40	≤54	PASS
				AV	5150.000	-47	≤-41.20	48.20	≤54	PASS
				Peak	4500.000	-42.58	≤-21.20	52.62	≤68.2	PASS
				Peak	4798.900	-37.81	≤-21.20	57.39	≤68.2	PASS
				Peak	5150.000	-40.13	≤-21.20	55.07	≤68.2	PASS
		High	5240	AV	5350.000	-47.83	≤-41.20	47.37	≤54	PASS
				AV	5447.760	-47.53	≤-41.20	47.67	≤54	PASS
				AV	5460.000	-47.9	≤-41.20	47.30	≤54	PASS
				Peak	5350.000	-41.83	≤-21.20	53.37	≤68.2	PASS
				Peak	5411.760	-38.84	≤-21.20	56.36	≤68.2	PASS
				Peak	5460.000	-40.08	≤-21.20	55.12	≤68.2	PASS
11AC40SI SO	Ant A	Low	5190	AV	4500.000	-49.01	≤-41.20	46.19	≤54	PASS
				AV	5149.600	-44.27	≤-41.20	50.93	≤54	PASS
				AV	5150.000	-43.71	≤-41.20	51.49	≤54	PASS
				Peak	4500.000	-41.75	≤-21.20	53.45	≤68.2	PASS
				Peak	5148.900	-33.99	≤-21.20	61.21	≤68.2	PASS
				Peak	5150.000	-34.91	≤-21.20	60.29	≤68.2	PASS
		High	5230	AV	5350.000	-47.84	≤-41.20	47.36	≤54	PASS
				AV	5414.760	-47.23	≤-41.20	47.97	≤54	PASS
				AV	5460.000	-47.82	≤-41.20	47.38	≤54	PASS
				Peak	5350.000	-42.16	≤-21.20	53.04	≤68.2	PASS
				Peak	5369.000	-37.68	≤-21.20	57.52	≤68.2	PASS
				Peak	5460.000	-41.23	≤-21.20	53.97	≤68.2	PASS
11AX20SI SO	Ant A	Low	5180	AV	4500.000	-48.97	≤-41.20	46.23	≤54	PASS
				AV	4840.900	-46.83	≤-41.20	48.37	≤54	PASS
				AV	5150.000	-47.4	≤-41.20	47.80	≤54	PASS
				Peak	4500.000	-42.75	≤-21.20	52.45	≤68.2	PASS
				Peak	4999.100	-37.27	≤-21.20	57.93	≤68.2	PASS
				Peak	5150.000	-39.65	≤-21.20	55.55	≤68.2	PASS
		High	5240	AV	5350.000	-57.06	≤-41.20	38.14	≤54	PASS
				AV	5353.920	-56.8	≤-41.20	38.40	≤54	PASS
				AV	5460.000	-57.41	≤-41.20	37.79	≤54	PASS
				Peak	5350.000	-48.64	≤-21.20	46.56	≤68.2	PASS
				Peak	5421.360	-46.74	≤-21.20	48.46	≤68.2	PASS
				Peak	5460.000	-49.41	≤-21.20	45.79	≤68.2	PASS
11AX40SI SO	Ant A	Low	5190	AV	4500.000	-48.42	≤-41.20	46.78	≤54	PASS
				AV	4862.600	-46.15	≤-41.20	49.05	≤54	PASS



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				AV	5150.000	-47.1	≤-41.20	48.10	≤54	PASS
				Peak	4500.000	-41.6	≤-21.20	53.60	≤68.2	PASS
				Peak	4782.800	-37.25	≤-21.20	57.95	≤68.2	PASS
				Peak	5150.000	-40.51	≤-21.20	54.69	≤68.2	PASS
		High	5230	AV	5350.000	-47.1	≤-41.20	48.10	≤54	PASS
				AV	5446.740	-46.8	≤-41.20	48.40	≤54	PASS
				AV	5460.000	-47.17	≤-41.20	48.03	≤54	PASS
				Peak	5350.000	-41.04	≤-21.20	54.16	≤68.2	PASS
				Peak	5445.960	-37.95	≤-21.20	57.25	≤68.2	PASS
				Peak	5460.000	-39.25	≤-21.20	55.95	≤68.2	PASS
11A	Ant B	Low	5180	AV	4500.000	-48.95	≤-41.20	46.25	≤54	PASS
				AV	4819.200	-46.85	≤-41.20	48.35	≤54	PASS
				AV	5150.000	-47.05	≤-41.20	48.15	≤54	PASS
				Peak	4500.000	-39.58	≤-21.20	55.62	≤68.2	PASS
				Peak	4866.800	-36.39	≤-21.20	58.81	≤68.2	PASS
				Peak	5150.000	-38	≤-21.20	57.20	≤68.2	PASS
		High	5240	AV	5350.000	-47.29	≤-41.20	47.91	≤54	PASS
				AV	5373.120	-47.1	≤-41.20	48.10	≤54	PASS
				AV	5460.000	-47.44	≤-41.20	47.76	≤54	PASS
				Peak	5350.000	-37.6	≤-21.20	57.60	≤68.2	PASS
				Peak	5360.640	-36.88	≤-21.20	58.32	≤68.2	PASS
				Peak	5460.000	-38.67	≤-21.20	56.53	≤68.2	PASS
11N20SIS O	Ant B	Low	5180	AV	4500.000	-48.9	≤-41.20	46.30	≤54	PASS
				AV	4836.000	-46.87	≤-41.20	48.33	≤54	PASS
				AV	5150.000	-47.02	≤-41.20	48.18	≤54	PASS
				Peak	4500.000	-39.58	≤-21.20	55.62	≤68.2	PASS
				Peak	4782.100	-36.61	≤-21.20	58.59	≤68.2	PASS
				Peak	5150.000	-38.34	≤-21.20	56.86	≤68.2	PASS
		High	5240	AV	5350.000	-47.41	≤-41.20	47.79	≤54	PASS
				AV	5377.200	-46.98	≤-41.20	48.22	≤54	PASS
				AV	5460.000	-47.49	≤-41.20	47.71	≤54	PASS
				Peak	5350.000	-39.17	≤-21.20	56.03	≤68.2	PASS
				Peak	5452.800	-36.85	≤-21.20	58.35	≤68.2	PASS
				Peak	5460.000	-38.92	≤-21.20	56.28	≤68.2	PASS
11N40SIS O	Ant B	Low	5190	AV	4500.000	-48.64	≤-41.20	46.56	≤54	PASS
				AV	5149.600	-45.18	≤-41.20	50.02	≤54	PASS
				AV	5150.000	-45.09	≤-41.20	50.11	≤54	PASS
				Peak	4500.000	-40.69	≤-21.20	54.51	≤68.2	PASS
				Peak	5149.600	-32.45	≤-21.20	62.75	≤68.2	PASS
				Peak	5150.000	-31.86	≤-21.20	63.34	≤68.2	PASS



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		High	5230	AV	5350.000	-46.98	≤-41.20	48.22	≤54	PASS
				AV	5452.980	-46.58	≤-41.20	48.62	≤54	PASS
				AV	5460.000	-46.98	≤-41.20	48.22	≤54	PASS
				Peak	5350.000	-39.38	≤-21.20	55.82	≤68.2	PASS
				Peak	5375.760	-36.74	≤-21.20	58.46	≤68.2	PASS
				Peak	5460.000	-38.58	≤-21.20	56.62	≤68.2	PASS
11AC20SI SO	Ant B	Low	5180	AV	4500.000	-49.02	≤-41.20	46.18	≤54	PASS
				AV	4832.500	-46.81	≤-41.20	48.39	≤54	PASS
				AV	5150.000	-46.95	≤-41.20	48.25	≤54	PASS
				Peak	4500.000	-40.54	≤-21.20	54.66	≤68.2	PASS
				Peak	4920.000	-36.19	≤-21.20	59.01	≤68.2	PASS
				Peak	5150.000	-38.57	≤-21.20	56.63	≤68.2	PASS
		High	5240	AV	5350.000	-47.15	≤-41.20	48.05	≤54	PASS
				AV	5382.720	-47.09	≤-41.20	48.11	≤54	PASS
				AV	5460.000	-47.34	≤-41.20	47.86	≤54	PASS
				Peak	5350.000	-38.09	≤-21.20	57.11	≤68.2	PASS
				Peak	5380.320	-36.61	≤-21.20	58.59	≤68.2	PASS
				Peak	5460.000	-38.61	≤-21.20	56.59	≤68.2	PASS
11AC40SI SO	Ant B	Low	5190	AV	4500.000	-48.72	≤-41.20	46.48	≤54	PASS
				AV	5149.600	-45.44	≤-41.20	49.76	≤54	PASS
				AV	5150.000	-45.45	≤-41.20	49.75	≤54	PASS
				Peak	4500.000	-40.12	≤-21.20	55.08	≤68.2	PASS
				Peak	5148.200	-32.48	≤-21.20	62.72	≤68.2	PASS
				Peak	5150.000	-32.28	≤-21.20	62.92	≤68.2	PASS
		High	5230	AV	5350.000	-46.71	≤-41.20	48.49	≤54	PASS
				AV	5459.740	-46.55	≤-41.20	48.65	≤54	PASS
				AV	5460.000	-46.88	≤-41.20	48.32	≤54	PASS
				Peak	5350.000	-37.94	≤-21.20	57.26	≤68.2	PASS
				Peak	5358.340	-36.8	≤-21.20	58.40	≤68.2	PASS
				Peak	5460.000	-39.7	≤-21.20	55.50	≤68.2	PASS
11AX20SI SO	Ant B	Low	5180	AV	4500.000	-58.22	≤-41.20	36.98	≤54	PASS
				AV	5149.600	-53.5	≤-41.20	41.70	≤54	PASS
				AV	5150.000	-53.39	≤-41.20	41.81	≤54	PASS
				Peak	4500.000	-49.98	≤-21.20	45.22	≤68.2	PASS
				Peak	5148.900	-41.61	≤-21.20	53.59	≤68.2	PASS
				Peak	5150.000	-45.06	≤-21.20	50.14	≤68.2	PASS
		High	5240	AV	5350.000	-56.02	≤-41.20	39.18	≤54	PASS
				AV	5350.320	-55.79	≤-41.20	39.41	≤54	PASS
				AV	5460.000	-57.15	≤-41.20	38.05	≤54	PASS
				Peak	5350.000	-47.53	≤-21.20	47.67	≤68.2	PASS



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				Peak	5363.520	-45.33	≤-21.20	49.87	≤68.2	PASS
				Peak	5460.000	-48.09	≤-21.20	47.11	≤68.2	PASS
11AX40SI SO	Ant B	Low	5190	AV	4500.000	-58.16	≤-41.20	37.04	≤54	PASS
				AV	5149.600	-48.56	≤-41.20	46.64	≤54	PASS
				AV	5150.000	-48.47	≤-41.20	46.73	≤54	PASS
				Peak	4500.000	-48.87	≤-21.20	46.33	≤68.2	PASS
				Peak	5149.600	-32.89	≤-21.20	62.31	≤68.2	PASS
				Peak	5150.000	-32.43	≤-21.20	62.77	≤68.2	PASS
		High	5230	AV	5350.000	-55.49	≤-41.20	39.71	≤54	PASS
				AV	5351.060	-55.33	≤-41.20	39.87	≤54	PASS
				AV	5460.000	-56.88	≤-41.20	38.32	≤54	PASS
				Peak	5350.000	-47.05	≤-21.20	48.15	≤68.2	PASS
				Peak	5383.040	-46.02	≤-21.20	49.18	≤68.2	PASS
				Peak	5460.000	-48.91	≤-21.20	46.29	≤68.2	PASS
11N20SIS O	MIMO	Low	5180	AV	4500.000	-47.55	≤-41.20	47.65	≤54	PASS
				AV	4843.000	-45.31	≤-41.20	49.89	≤54	PASS
				AV	5150.000	-45.49	≤-41.20	49.71	≤54	PASS
				Peak	4500.000	-38.32	≤-21.20	56.88	≤68.2	PASS
				Peak	4959.900	-34.85	≤-21.20	60.35	≤68.2	PASS
				Peak	5150.000	-36.67	≤-21.20	58.53	≤68.2	PASS
		High	5240	AV	5350.000	-46.35	≤-41.20	48.85	≤54	PASS
				AV	5357.280	-45.99	≤-41.20	49.21	≤54	PASS
				AV	5460.000	-46.37	≤-41.20	48.83	≤54	PASS
				Peak	5350.000	-37.78	≤-21.20	57.42	≤68.2	PASS
				Peak	5380.320	-36.07	≤-21.20	59.13	≤68.2	PASS
				Peak	5460.000	-37.78	≤-21.20	57.42	≤68.2	PASS
11N40SIS O	MIMO	Low	5190	AV	4500.000	-47.3	≤-41.20	47.90	≤54	PASS
				AV	5148.900	-43.26	≤-41.20	51.94	≤54	PASS
				AV	5150.000	-43.46	≤-41.20	51.74	≤54	PASS
				Peak	4500.000	-37.99	≤-21.20	57.21	≤68.2	PASS
				Peak	5148.900	-29.76	≤-21.20	65.44	≤68.2	PASS
				Peak	5150.000	-29.7	≤-21.20	65.50	≤68.2	PASS
		High	5230	AV	5350.000	-45.63	≤-41.20	49.57	≤54	PASS
				AV	5392.400	-45.58	≤-41.20	49.62	≤54	PASS
				AV	5460.000	-46.24	≤-41.20	48.96	≤54	PASS
				Peak	5350.000	-38.33	≤-21.20	56.87	≤68.2	PASS
				Peak	5370.040	-35.12	≤-21.20	60.08	≤68.2	PASS
				Peak	5460.000	-37.81	≤-21.20	57.39	≤68.2	PASS
11AC20SI SO	MIMO	Low	5180	AV	4500.000	-47.61	≤-41.20	47.59	≤54	PASS
				AV	5144.700	-45.26	≤-41.20	49.94	≤54	PASS



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				AV	5150.000	-45.51	≤-41.20	49.69	≤54	PASS
				Peak	4500.000	-39.09	≤-21.20	56.11	≤68.2	PASS
				Peak	4986.500	-34.82	≤-21.20	60.38	≤68.2	PASS
				Peak	5150.000	-37.05	≤-21.20	58.15	≤68.2	PASS
		High	5240	AV	5350.000	-46.3	≤-41.20	48.90	≤54	PASS
				AV	5364.480	-46.01	≤-41.20	49.19	≤54	PASS
				AV	5460.000	-46.47	≤-41.20	48.73	≤54	PASS
				Peak	5350.000	-38.28	≤-21.20	56.92	≤68.2	PASS
				Peak	5406.000	-35.89	≤-21.20	59.31	≤68.2	PASS
				Peak	5460.000	-38.02	≤-21.20	57.18	≤68.2	PASS
11AC40SI SO	MIMO	Low	5190	AV	4500.000	-47.34	≤-41.20	47.86	≤54	PASS
				AV	5149.600	-43.63	≤-41.20	51.57	≤54	PASS
				AV	5150.000	-43.52	≤-41.20	51.68	≤54	PASS
				Peak	4500.000	-38.81	≤-21.20	56.39	≤68.2	PASS
				Peak	5149.600	-33.45	≤-21.20	61.75	≤68.2	PASS
				Peak	5150.000	-34.15	≤-21.20	61.05	≤68.2	PASS
		High	5230	AV	5350.000	-45.86	≤-41.20	49.34	≤54	PASS
				AV	5367.440	-45.56	≤-41.20	49.64	≤54	PASS
				AV	5460.000	-46.03	≤-41.20	49.17	≤54	PASS
				Peak	5350.000	-38.29	≤-21.20	56.91	≤68.2	PASS
11AX20SI SO	MIMO	Low	5180	Peak	5445.700	-35.84	≤-21.20	59.36	≤68.2	PASS
				Peak	5460.000	-37.3	≤-21.20	57.90	≤68.2	PASS
				AV	4500.000	-58.23	≤-41.20	36.97	≤54	PASS
				AV	5149.600	-44.13	≤-41.20	51.07	≤54	PASS
				AV	5150.000	-43.57	≤-41.20	51.63	≤54	PASS
				Peak	4500.000	-49.32	≤-21.20	45.88	≤68.2	PASS
		High	5240	Peak	5144.000	-32.4	≤-21.20	62.80	≤68.2	PASS
				Peak	5150.000	-34.08	≤-21.20	61.12	≤68.2	PASS
				AV	5350.000	-47.47	≤-41.20	47.73	≤54	PASS
				AV	5388.000	-47.22	≤-41.20	47.98	≤54	PASS
11AX40SI SO	MIMO	Low	5190	AV	5460.000	-47.51	≤-41.20	47.69	≤54	PASS
				Peak	5350.000	-40.47	≤-21.20	54.73	≤68.2	PASS
				Peak	5395.440	-37.34	≤-21.20	57.86	≤68.2	PASS
				Peak	5460.000	-40.3	≤-21.20	54.90	≤68.2	PASS
				AV	4500.000	-58.15	≤-41.20	37.05	≤54	PASS
				AV	5148.900	-43.9	≤-41.20	51.30	≤54	PASS



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		High	5230	AV	5350.000	-45.9	≤ -41.20	49.30	≤ 54	PASS
				AV	5351.580	-45.25	≤ -41.20	49.95	≤ 54	PASS
				AV	5460.000	-55.84	≤ -41.20	39.36	≤ 54	PASS
				Peak	5350.000	-38.13	≤ -21.20	57.07	≤ 68.2	PASS
				Peak	5353.140	-36.37	≤ -21.20	58.83	≤ 68.2	PASS
				Peak	5460.000	-47.45	≤ -21.20	47.75	≤ 68.2	PASS

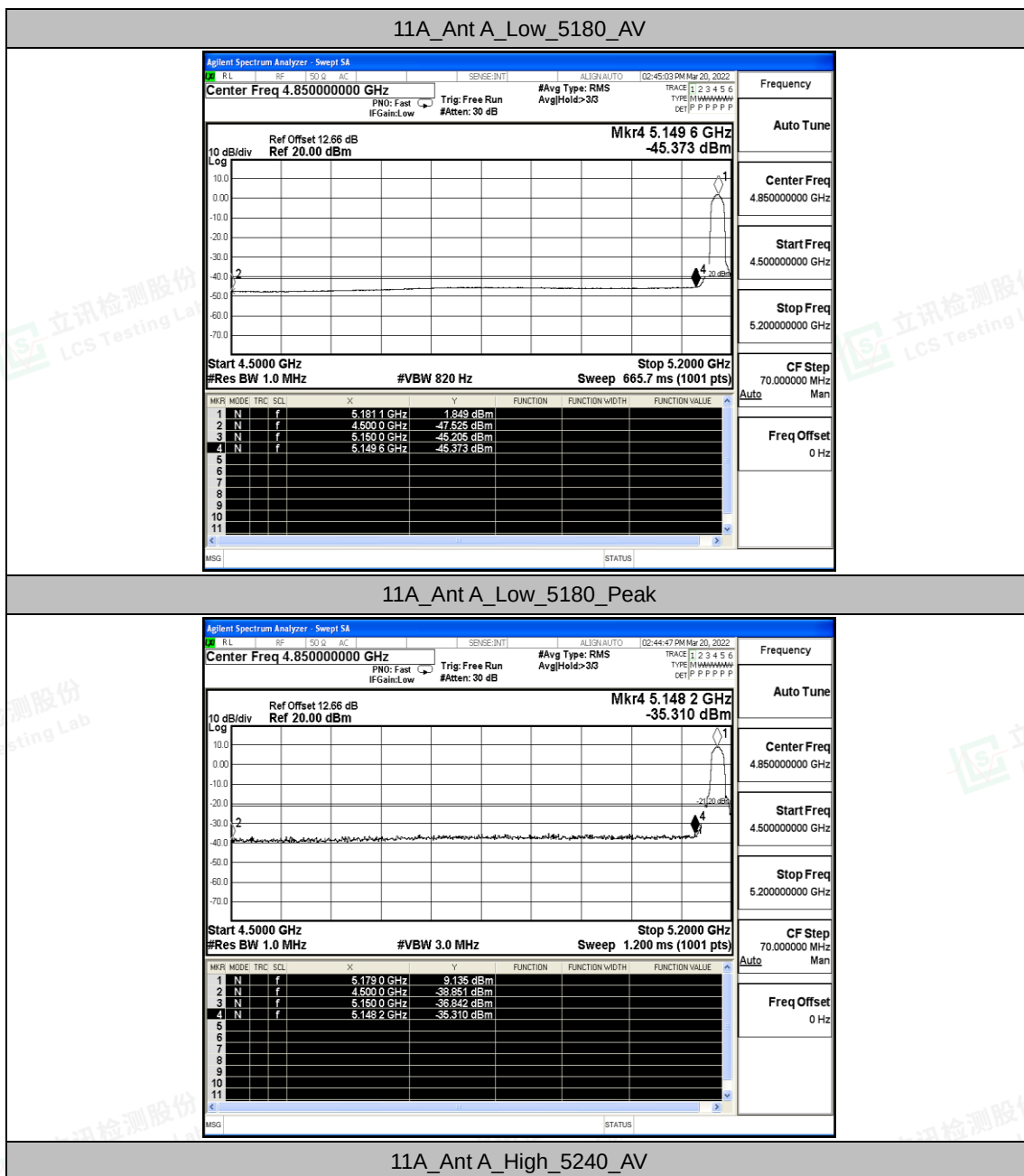
Note:

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

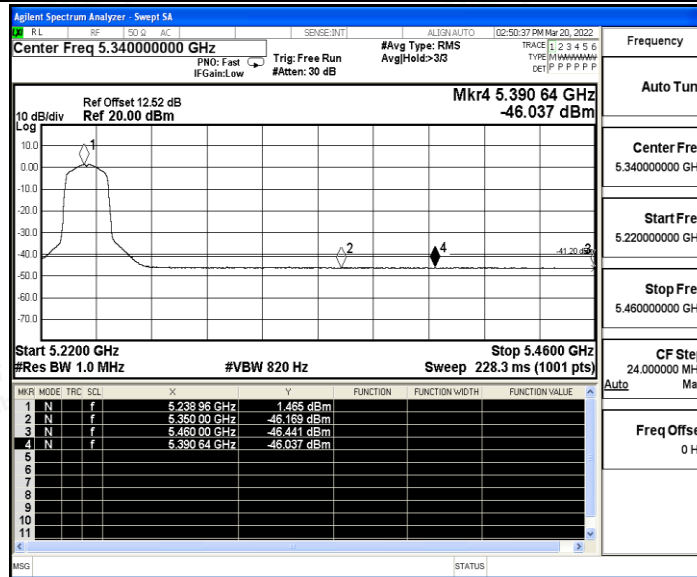


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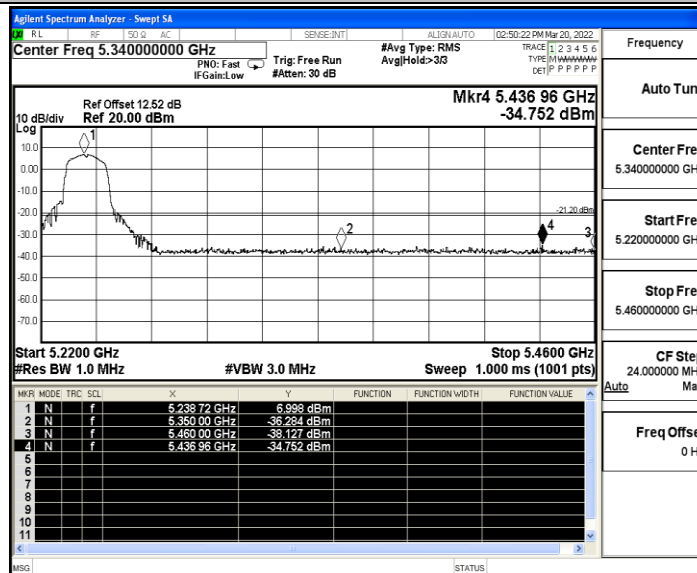
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11A_Ant A_High_5240_Peak



11N20SISO_Ant A_Low_5180_AV



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