



A.6 Duty Cycle

Test Result

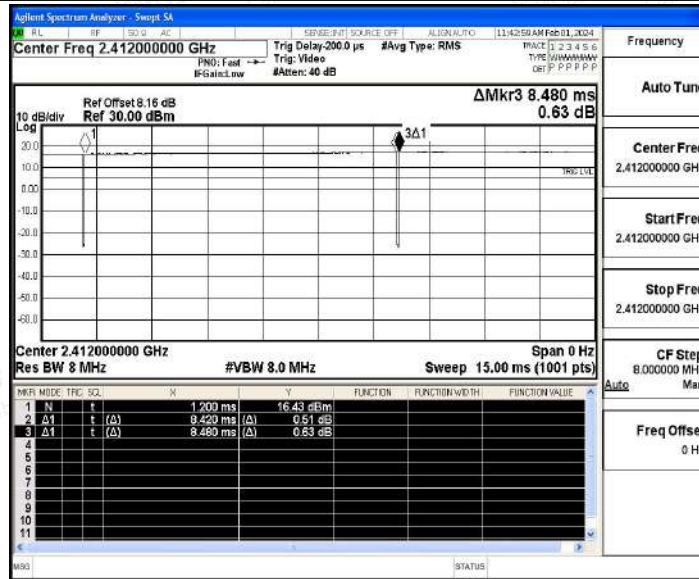
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor	1/T Factor[kHz]	Verdict
11B	Ant0	2412	8.42	8.48	99.29	0.03	0.12	---
		2437	8.42	8.48	99.29	0.03	0.12	---
		2462	8.42	8.48	99.29	0.03	0.12	---
11G	Ant0	2412	1.40	1.46	95.89	0.18	0.71	---
		2437	1.39	1.46	95.21	0.21	0.72	---
		2462	1.39	1.46	95.21	0.21	0.72	---
11N20SISO	Ant0	2412	1.18	1.24	95.16	0.22	0.85	---
		2437	1.18	1.24	95.16	0.22	0.85	---
		2462	1.18	1.24	95.16	0.22	0.85	---
11N40SISO	Ant0	2422	0.59	0.65	90.77	0.42	1.69	---
		2437	0.58	0.65	89.23	0.49	1.72	---
		2452	0.59	0.65	90.77	0.42	1.69	---



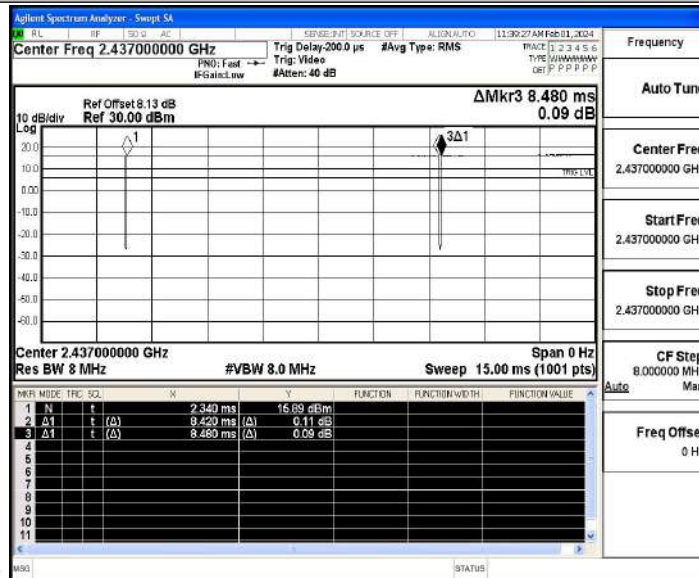


Test Graphs

11B_Ant0_2412

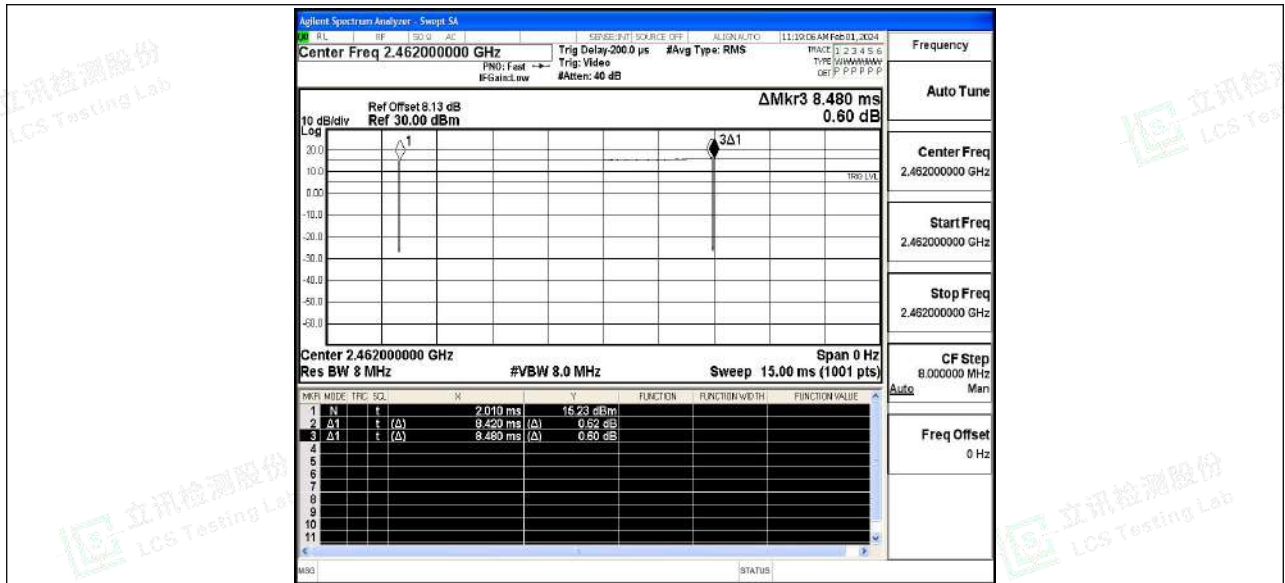


11B_Ant0_2437

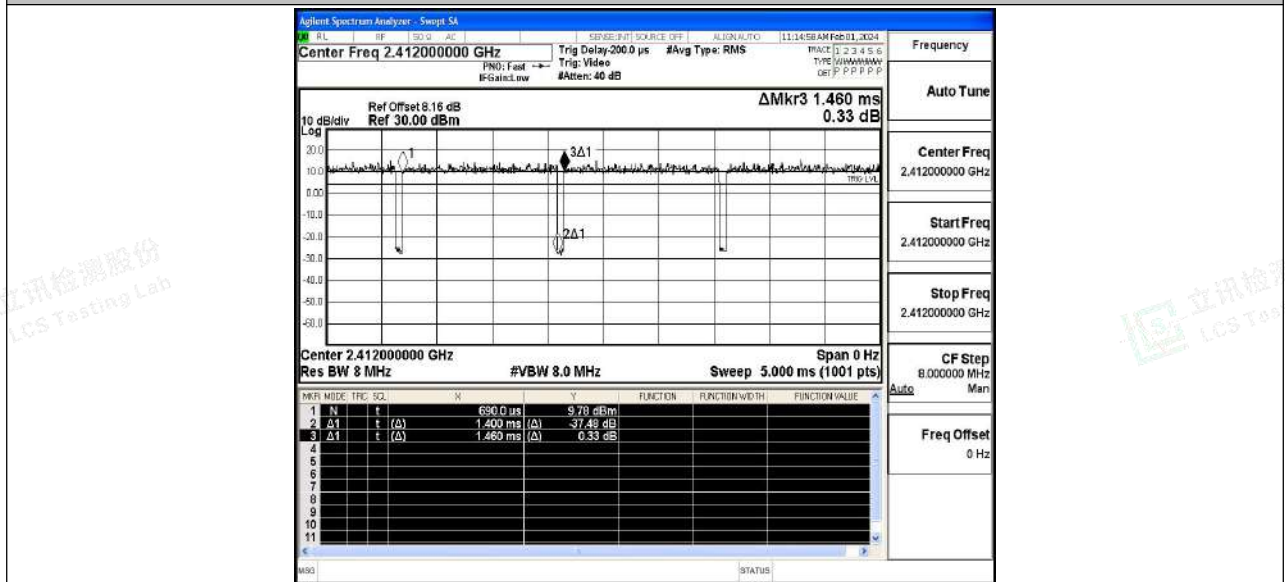


11B_Ant0_2462

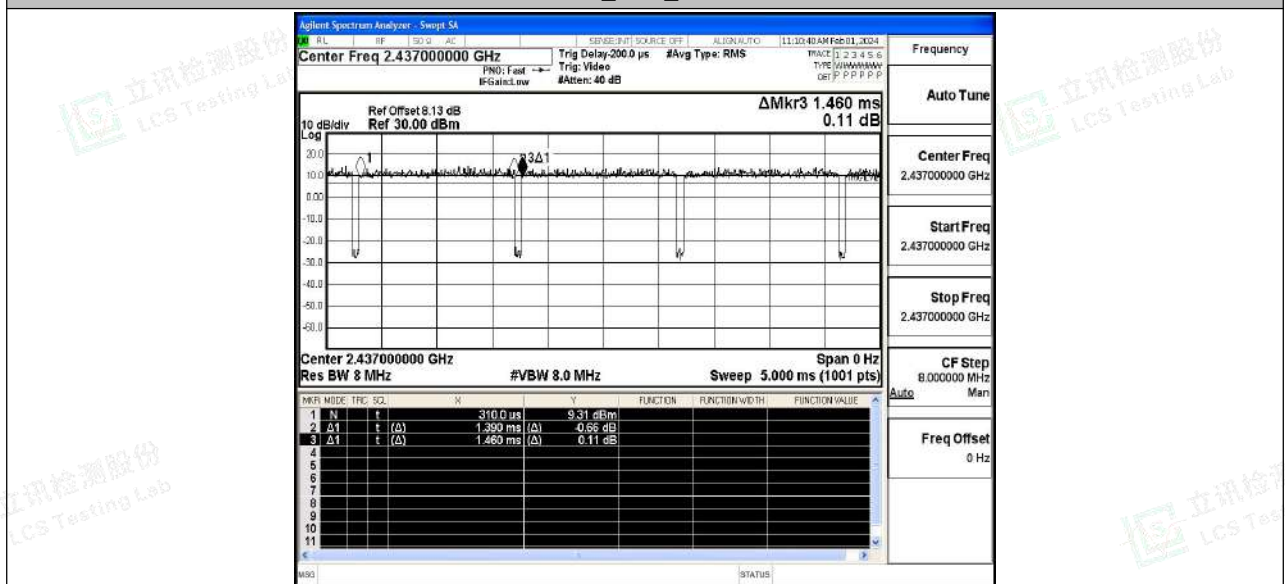




11G_Ant0_2412

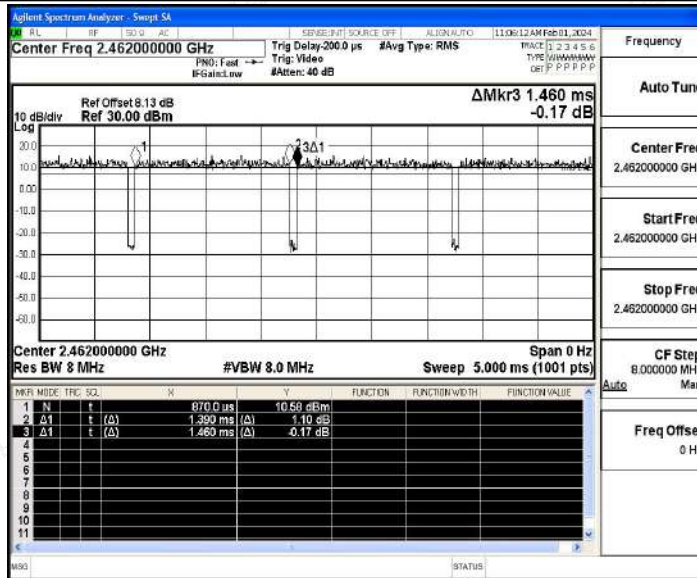


11G_Ant0_2437

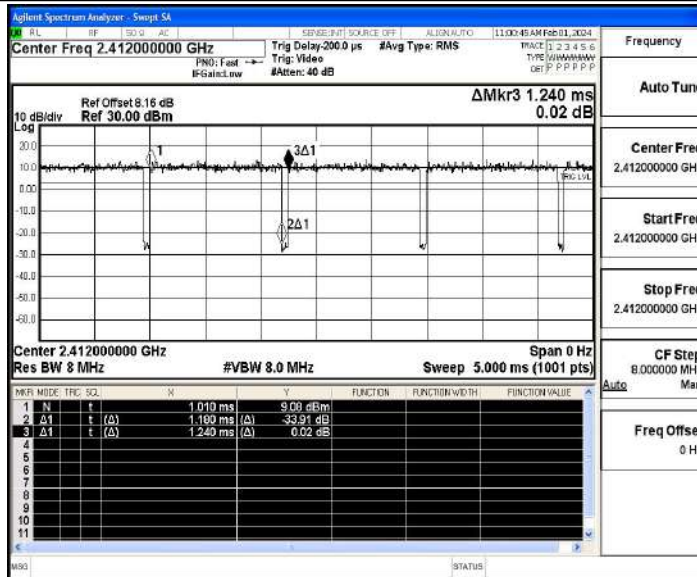




11G_Ant0_2462

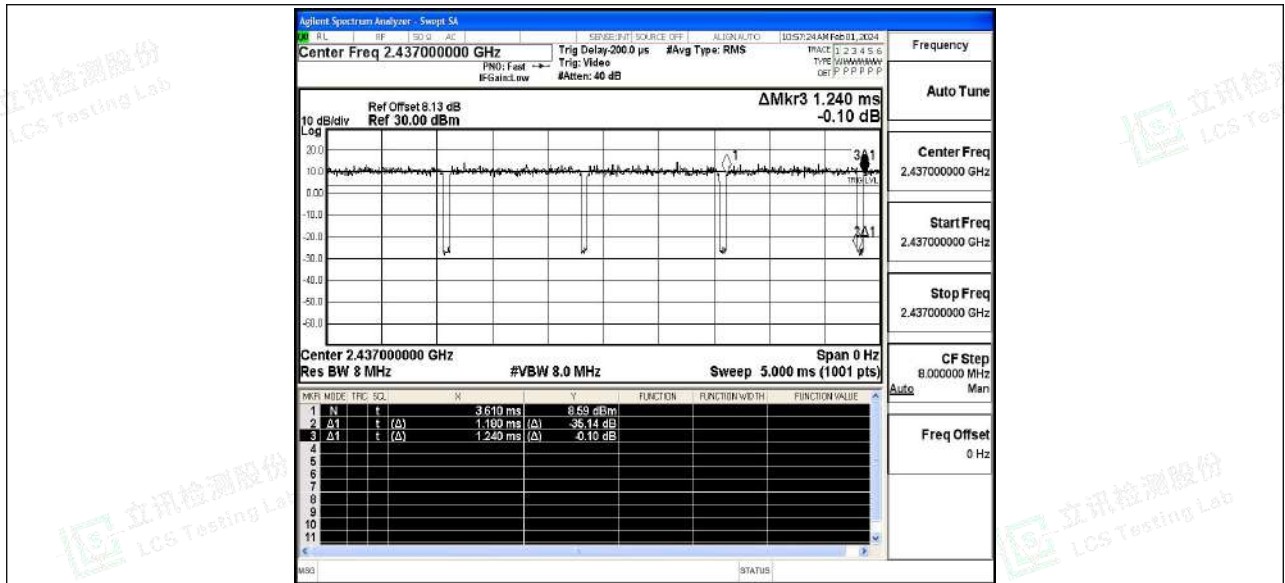


11N20SISO_Ant0_2412

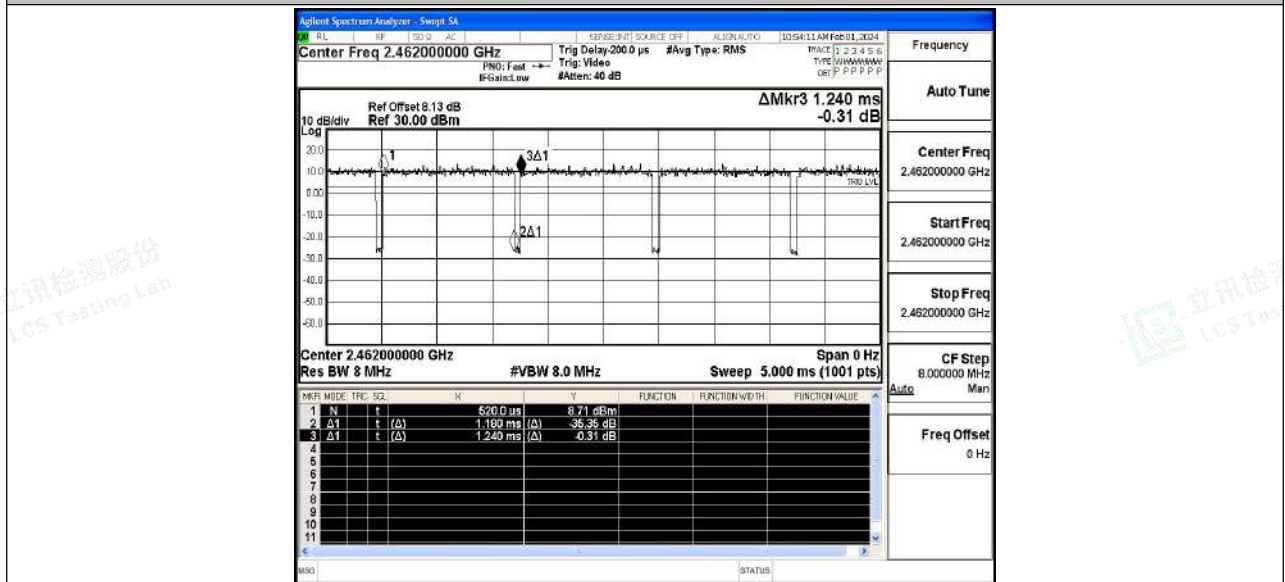


11N20SISO_Ant0_2437

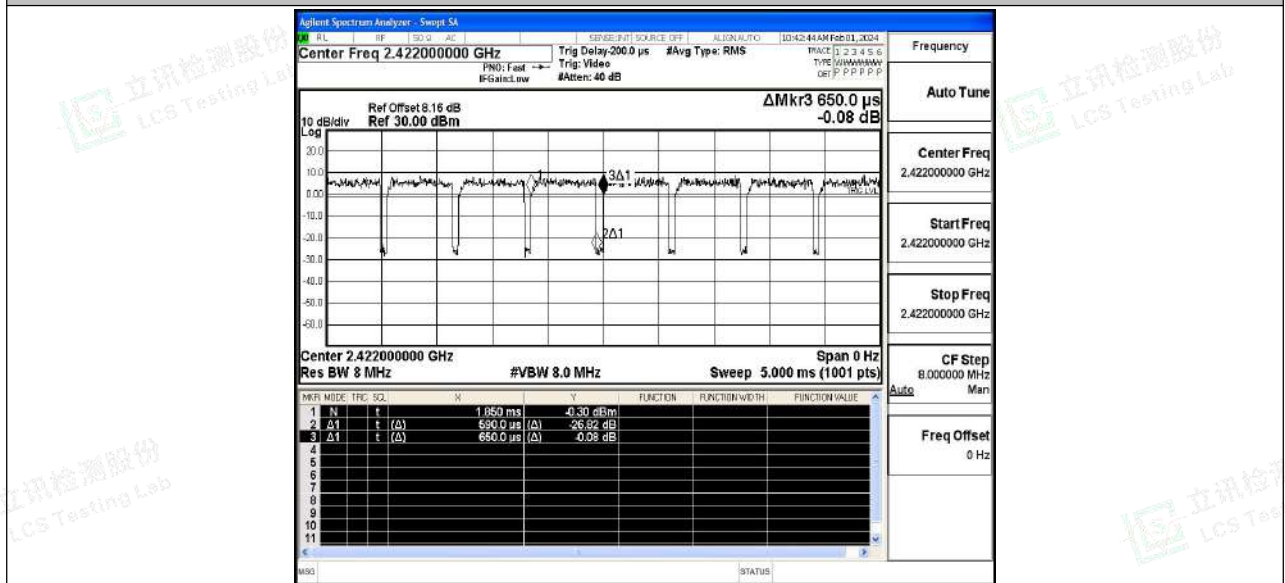




11N20SISO_Ant0_2462

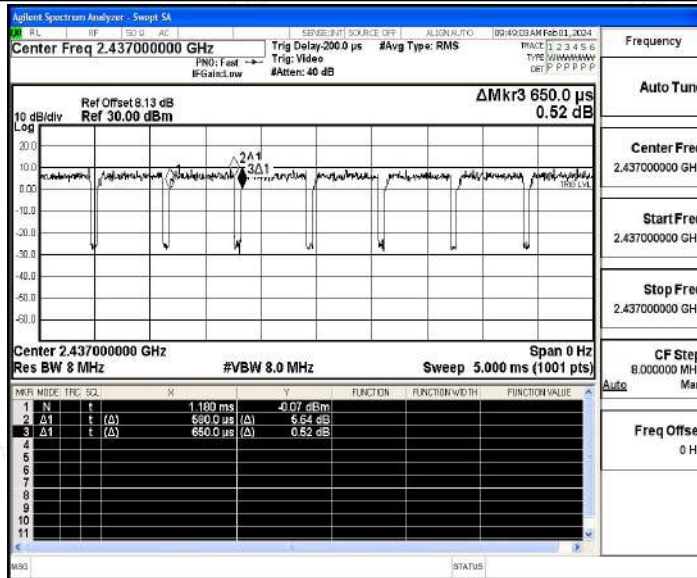


11N40SISO_Ant0_2422

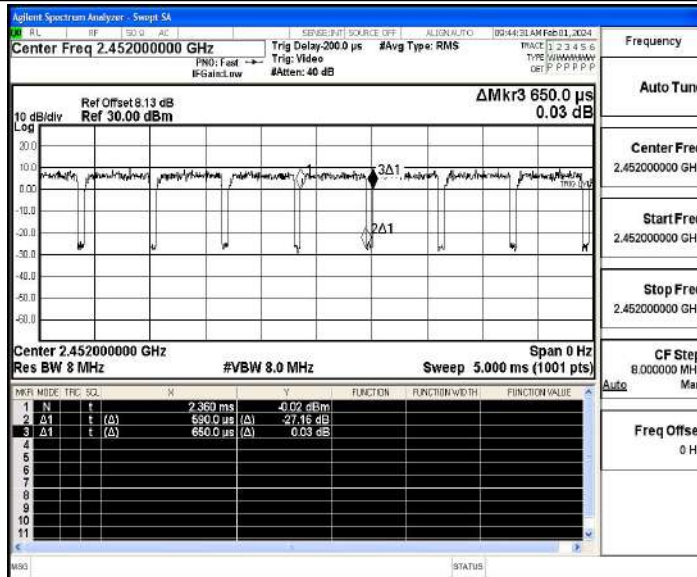




11N40SISO_Ant0_2437



11N40SISO_Ant0_2452





Test Result

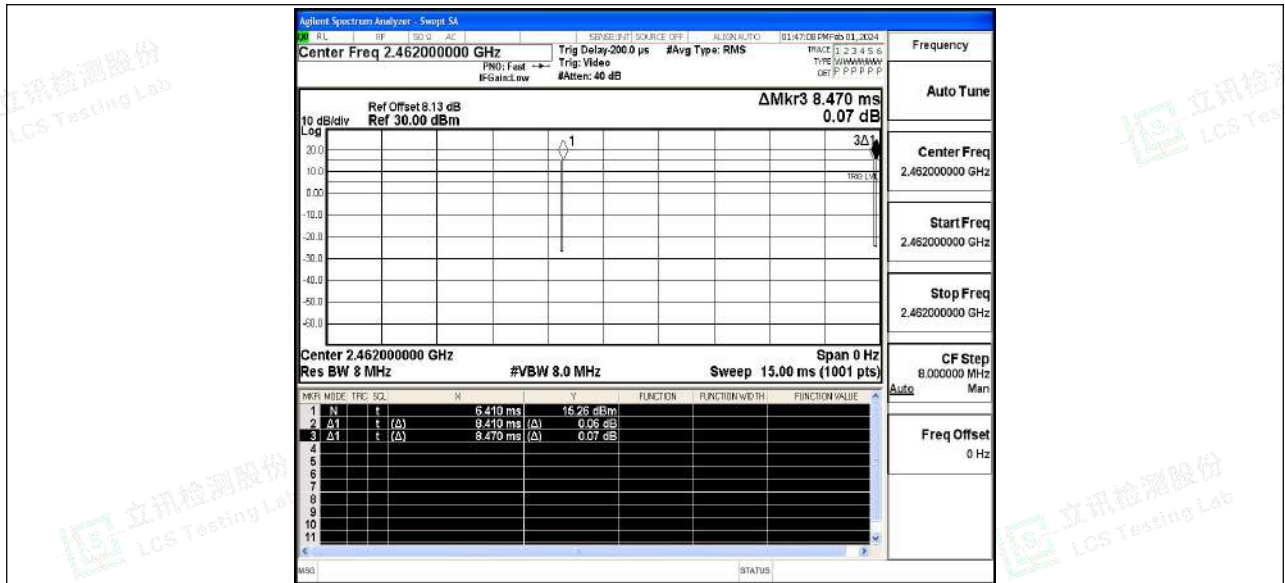
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor	1/T Factor[kHz]	Verdict
11B	Ant1	2412	8.41	8.47	99.29	0.03	0.12	---
		2437	8.40	8.46	99.29	0.03	0.12	---
		2462	8.41	8.47	99.29	0.03	0.12	---
11G	Ant1	2412	1.39	1.46	95.21	0.21	0.72	---
		2437	1.39	1.46	95.21	0.21	0.72	---
		2462	1.39	1.46	95.21	0.21	0.72	---
11N20SISO	Ant1	2412	1.18	1.24	95.16	0.22	0.85	---
		2437	1.18	1.25	94.40	0.25	0.85	---
		2462	1.18	1.24	95.16	0.22	0.85	---
11N40SISO	Ant1	2422	0.59	0.65	90.77	0.42	1.69	---
		2437	0.59	0.65	90.77	0.42	1.69	---
		2452	0.58	0.65	89.23	0.49	1.72	---



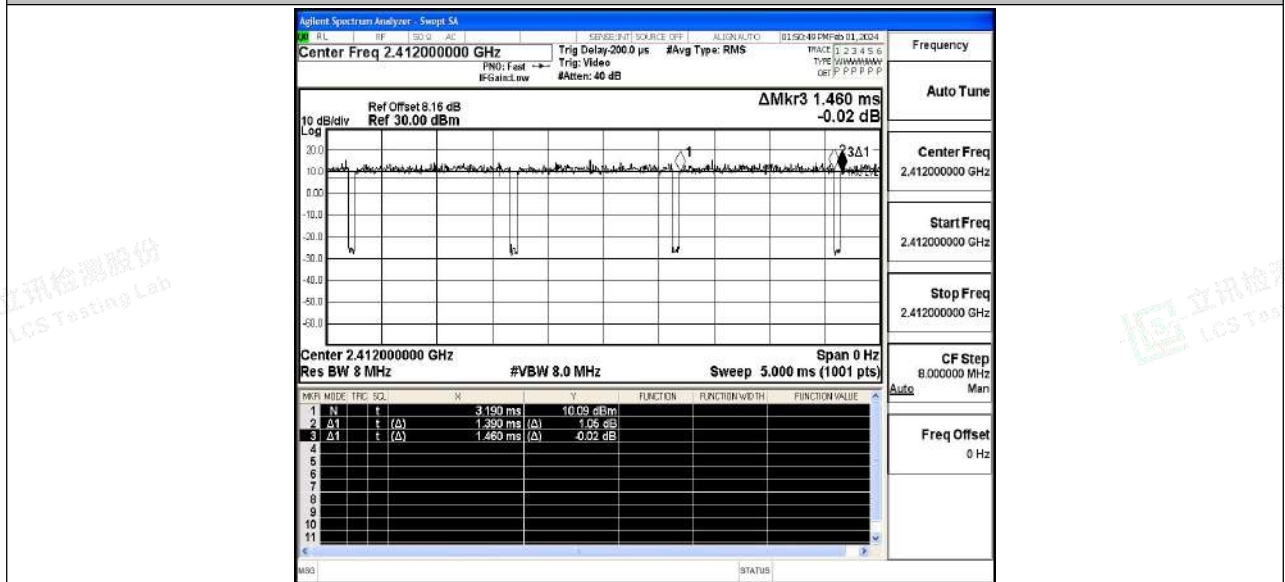


Test Graphs

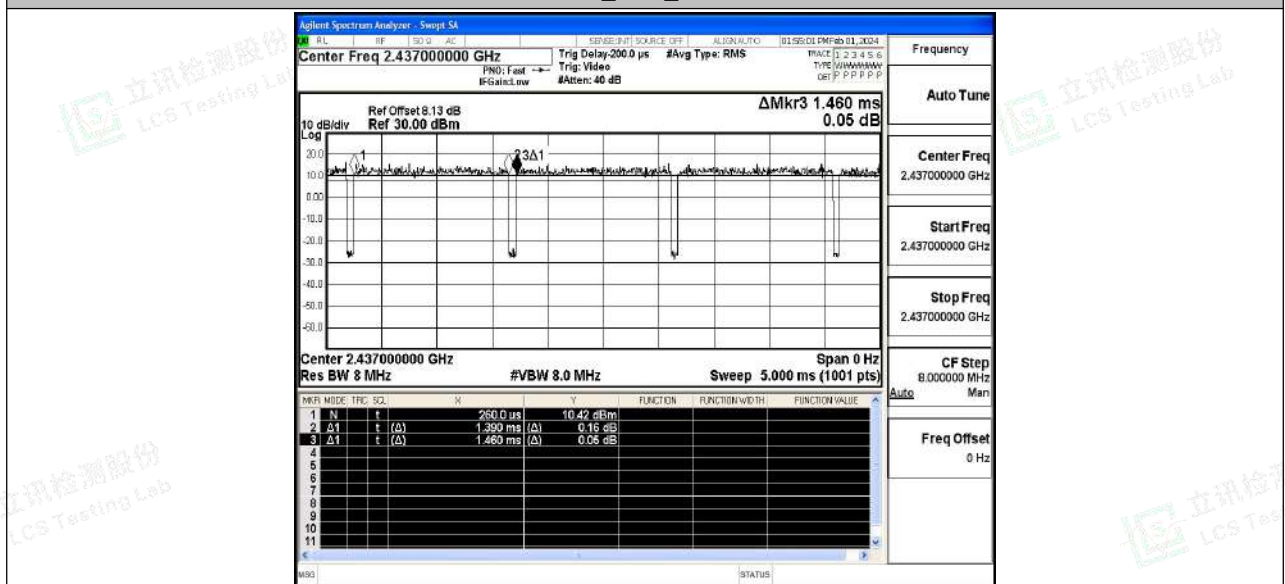




11G_Ant1_2412

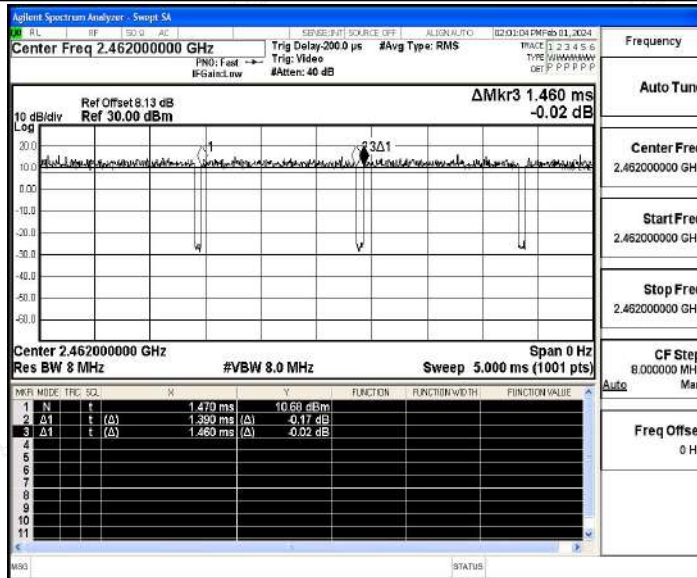


11G_Ant1_2437

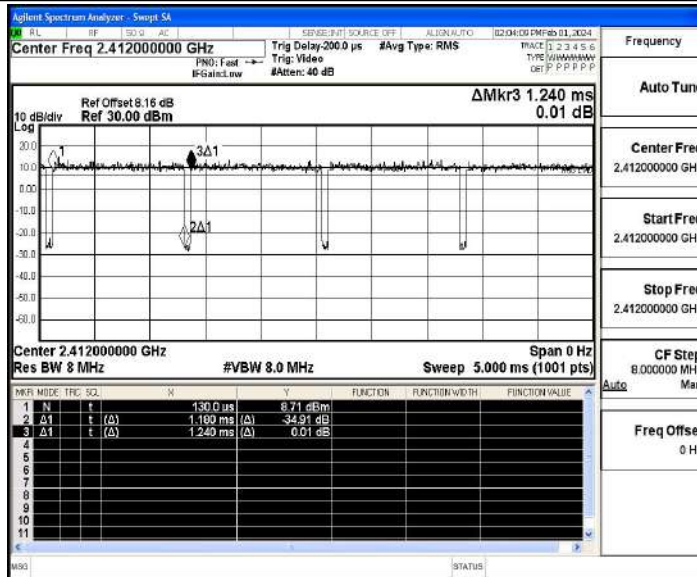




11G_Ant1_2462

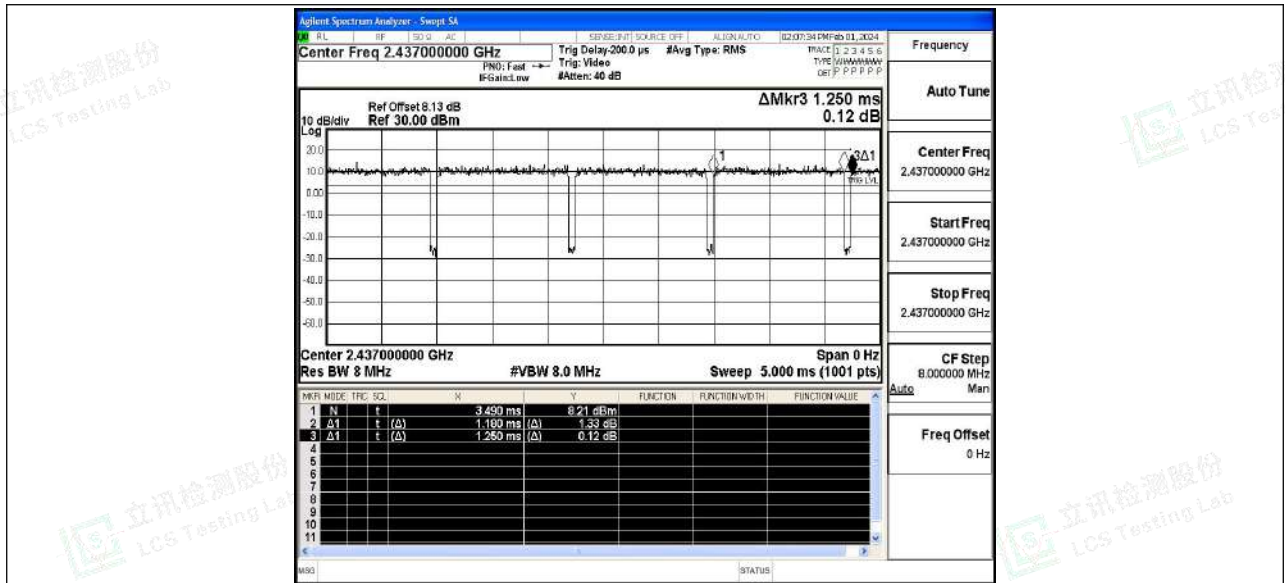


11N20SISO_Ant1_2412

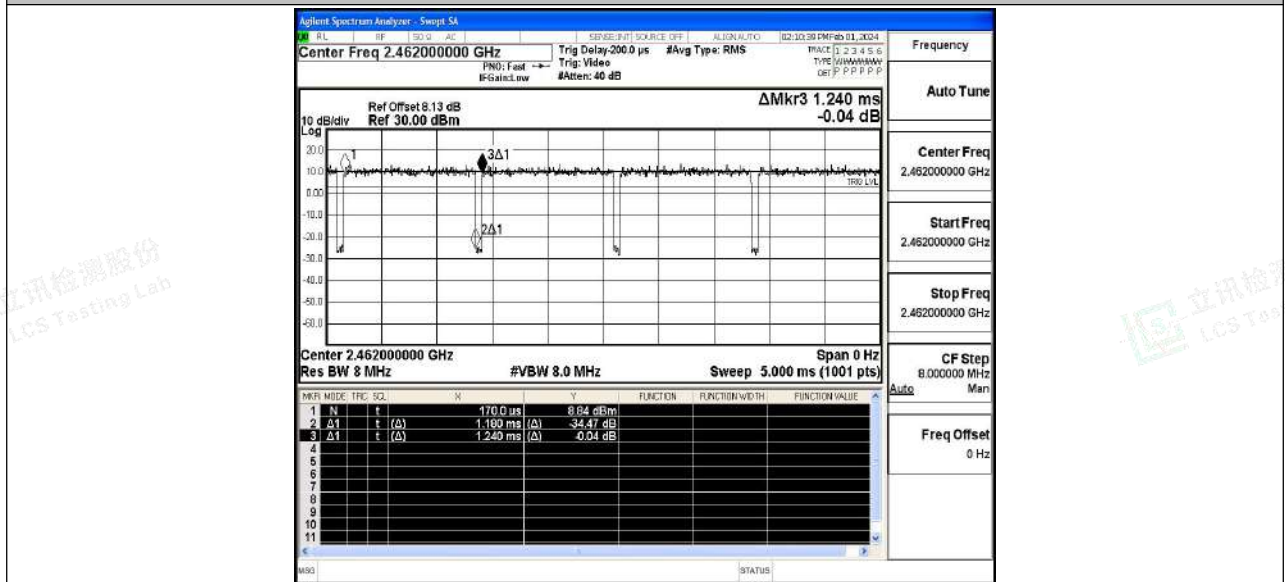


11N20SISO_Ant1_2437

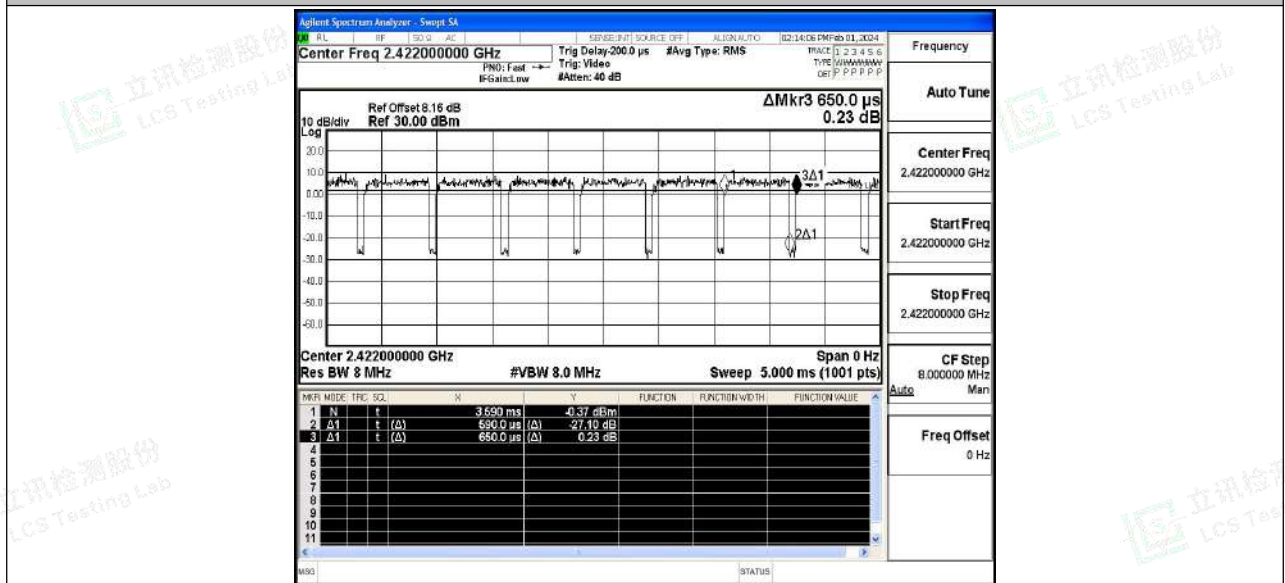




11N20SISO_Ant1_2462

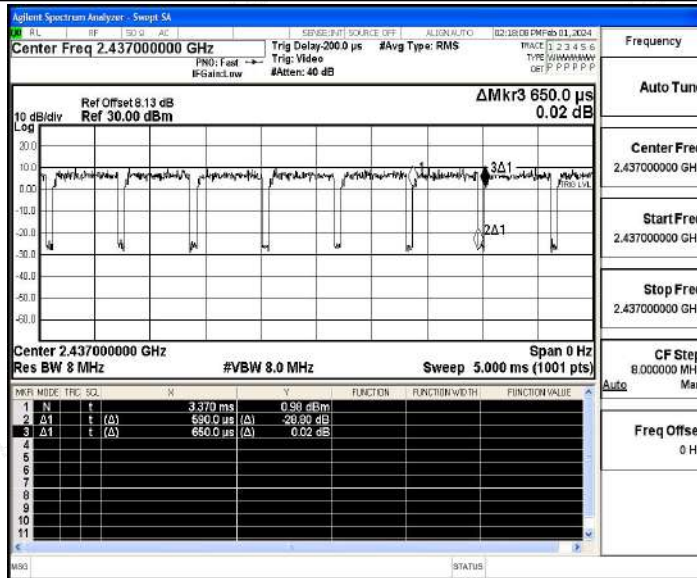


11N40SISO_Ant1_2422

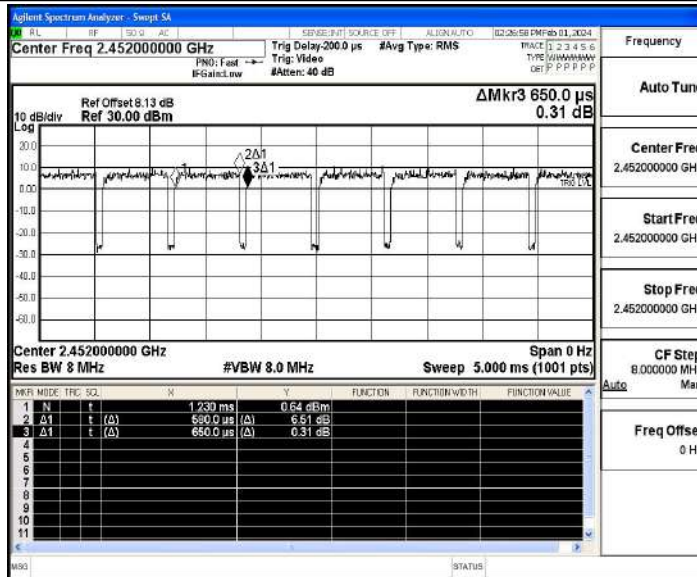




11N40SISO_Ant1_2437



11N40SISO_Ant1_2452





A.7 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant0	Low	2412	AV	2310.000	-49.93	≤-41.20	45.27	≤54	PASS
				AV	2386.580	-48.92	≤-41.20	46.28	≤54	PASS
				AV	2390.000	-49.04	≤-41.20	46.16	≤54	PASS
				Peak	2310.000	-43.3	≤-21.20	51.90	≤74	PASS
				Peak	2345.500	-39.05	≤-21.20	56.15	≤74	PASS
				Peak	2390.000	-41.57	≤-21.20	53.63	≤74	PASS
		High	2462	AV	2483.500	-48.71	≤-41.20	46.49	≤54	PASS
				AV	2489.170	-48.51	≤-41.20	46.69	≤54	PASS
				AV	2500.000	-49.65	≤-41.20	45.55	≤54	PASS
				Peak	2483.500	-40.08	≤-21.20	55.12	≤74	PASS
				Peak	2496.430	-38.36	≤-21.20	56.84	≤74	PASS
				Peak	2500.000	-41.6	≤-21.20	53.60	≤74	PASS
11G	Ant0	Low	2412	AV	2310.000	-49.95	≤-41.20	45.25	≤54	PASS
				AV	2389.570	-48.36	≤-41.20	46.84	≤54	PASS
				AV	2390.000	-48.53	≤-41.20	46.67	≤54	PASS
				Peak	2310.000	-42.28	≤-21.20	52.92	≤74	PASS
				Peak	2389.180	-36.29	≤-21.20	58.91	≤74	PASS
				Peak	2390.000	-38.41	≤-21.20	56.79	≤74	PASS
		High	2462	AV	2483.500	-46.74	≤-41.20	48.46	≤54	PASS
				AV	2483.670	-46.47	≤-41.20	48.73	≤54	PASS
				AV	2500.000	-49.22	≤-41.20	45.98	≤54	PASS
				Peak	2483.500	-31.94	≤-21.20	63.26	≤74	PASS
				Peak	2483.560	-30.32	≤-21.20	64.88	≤74	PASS
				Peak	2500.000	-41.68	≤-21.20	53.52	≤74	PASS
11N20SI SO	Ant0	Low	2412	AV	2310.000	-49.52	≤-41.20	45.68	≤54	PASS
				AV	2389.440	-47.44	≤-41.20	47.76	≤54	PASS
				AV	2390.000	-48.59	≤-41.20	46.61	≤54	PASS
				Peak	2310.000	-40.23	≤-21.20	54.97	≤74	PASS
				Peak	2389.570	-30.61	≤-21.20	64.59	≤74	PASS
				Peak	2390.000	-38.21	≤-21.20	56.99	≤74	PASS
		High	2462	AV	2483.500	-46.16	≤-41.20	49.04	≤54	PASS
				AV	2484.550	-45.46	≤-41.20	49.74	≤54	PASS
				AV	2500.000	-49.56	≤-41.20	45.64	≤54	PASS
				Peak	2483.500	-34.15	≤-21.20	61.05	≤74	PASS
				Peak	2483.780	-30.96	≤-21.20	64.24	≤74	PASS
				Peak	2500.000	-40.31	≤-21.20	54.89	≤74	PASS
11N40SI	Ant0	Low	2422	AV	2310.000	-49.37	≤-41.20	45.83	≤54	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Building A and 301 Building C, Juji Industrial Park, Yabianxueziwei Shajing Street, Baoan District, Shenzhen, 518000, P.R.C.

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

Scan code to check authenticity



SO			AV	2388.920	-46.82	≤-41.20	48.38	≤54	PASS
			AV	2390.000	-47.46	≤-41.20	47.74	≤54	PASS
			Peak	2310.000	-42.44	≤-21.20	52.76	≤74	PASS
			Peak	2389.570	-35.63	≤-21.20	59.57	≤74	PASS
			Peak	2390.000	-39.03	≤-21.20	56.17	≤74	PASS
	High	2452	AV	2483.500	-46.12	≤-41.20	49.08	≤54	PASS
			AV	2484.110	-45.17	≤-41.20	50.03	≤54	PASS
			AV	2500.000	-48.71	≤-41.20	46.49	≤54	PASS
			Peak	2483.500	-35.54	≤-21.20	59.66	≤74	PASS
			Peak	2483.670	-32.58	≤-21.20	62.62	≤74	PASS
			Peak	2500.000	-42.29	≤-21.20	52.91	≤74	PASS

Note:

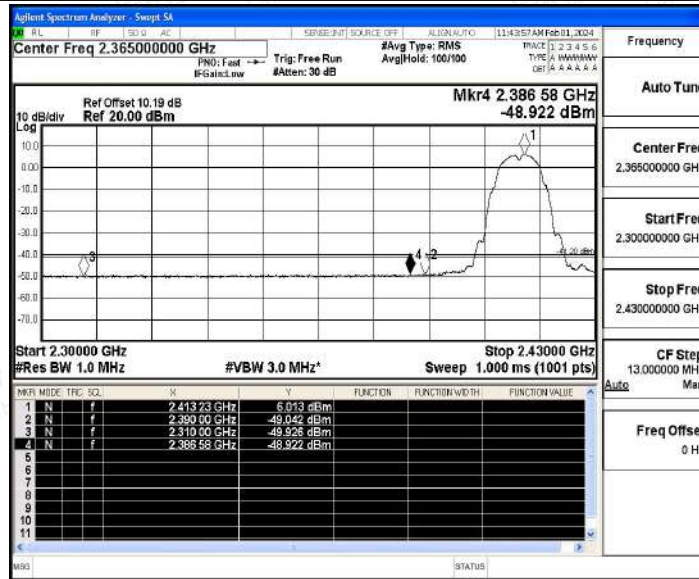
1. The Antenna Gain is compensated in the graph. The Correction Factor is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.



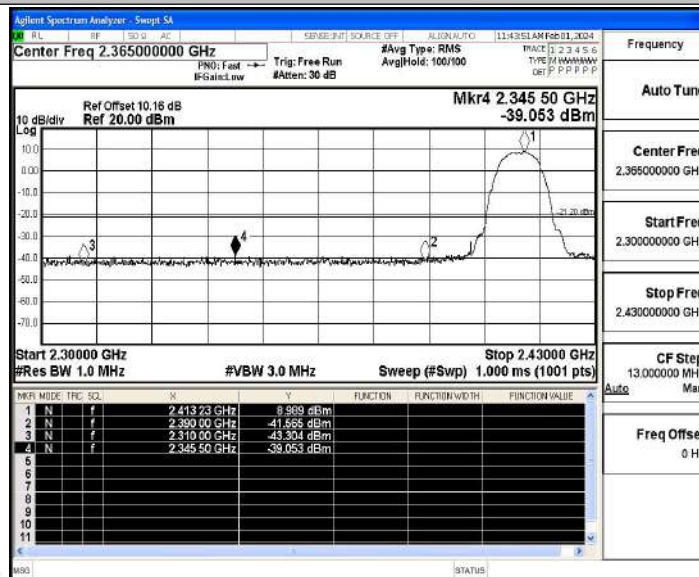


Test Graphs

11B_Ant0_Low_2412_AV

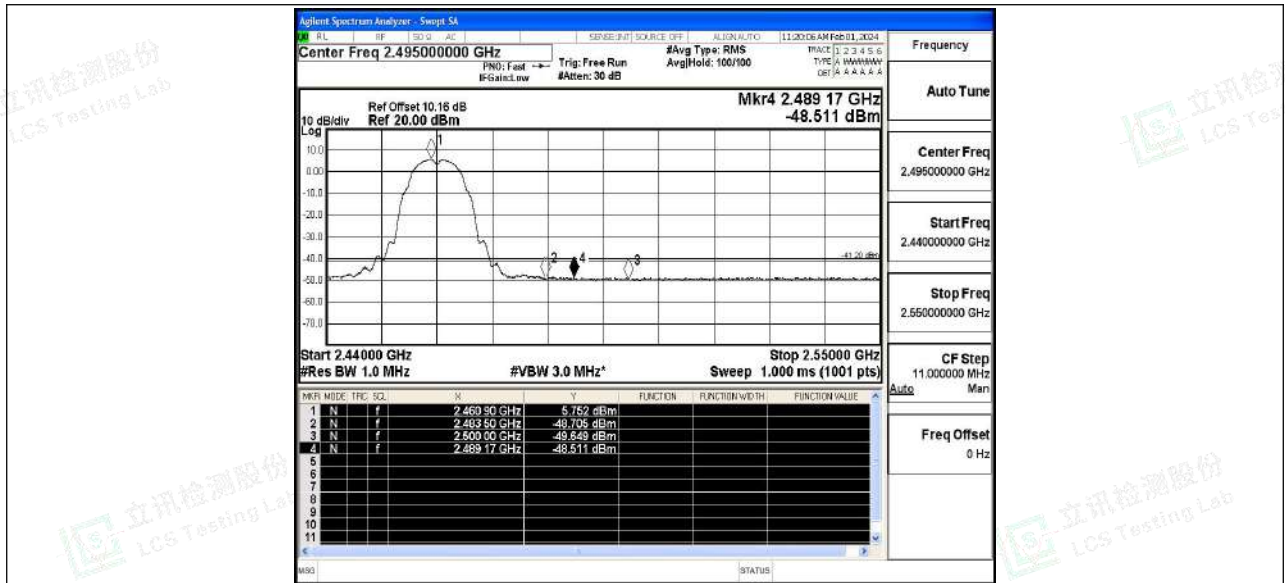


11B_Ant0_Low_2412_Peak

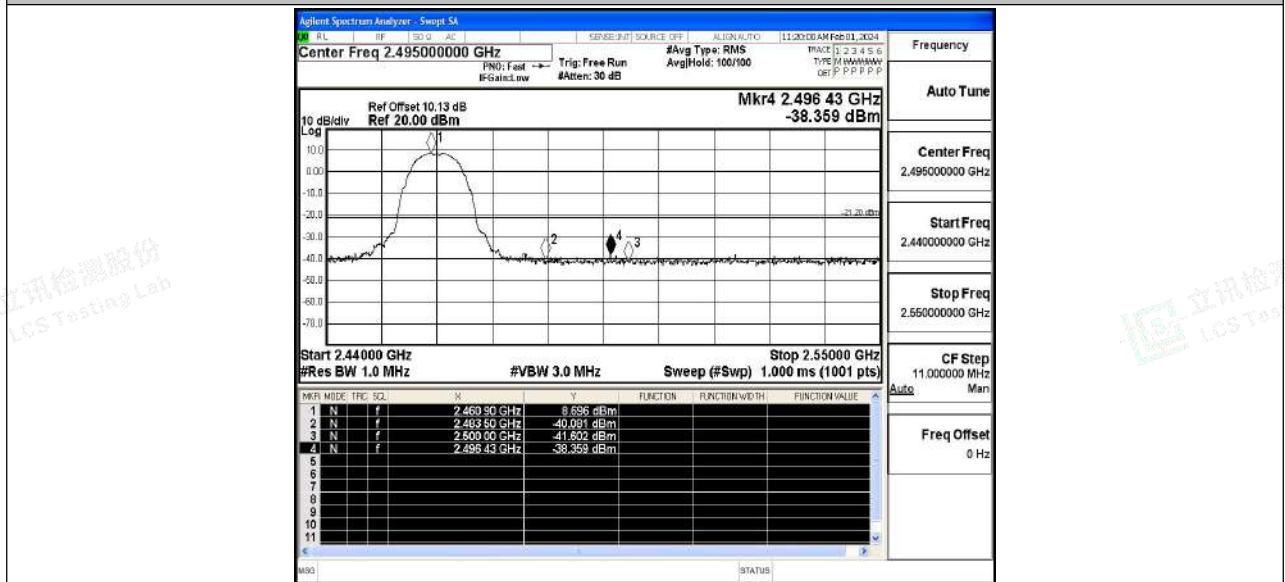


11B_Ant0_High_2462_AV

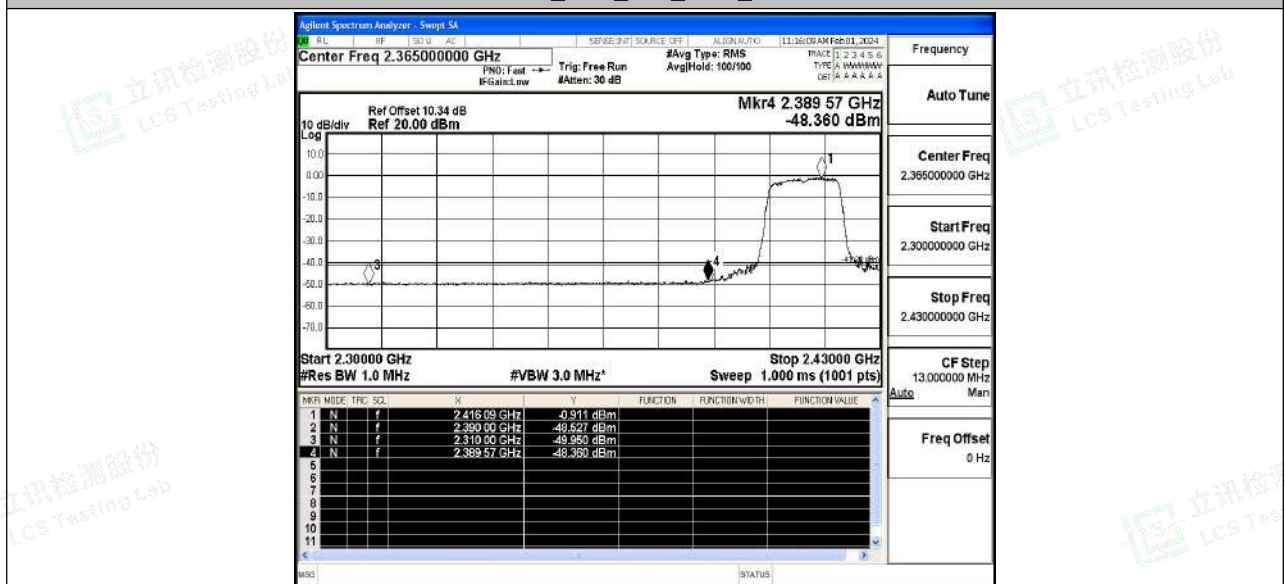




11B_Ant0_High_2462_Peak

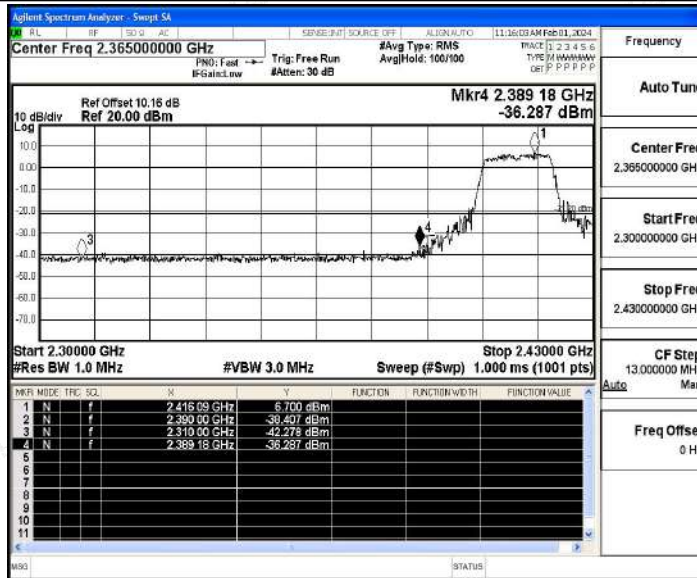


11G_Ant0_Low_2412_AV

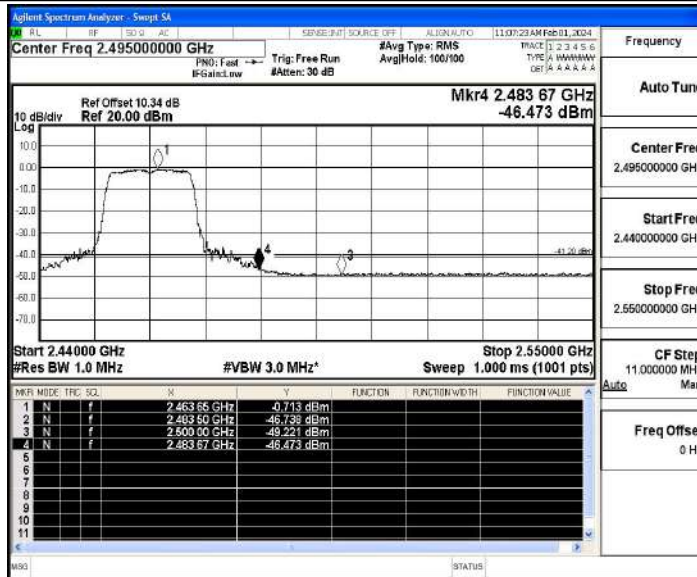




11G_Ant0_Low_2412_Peak

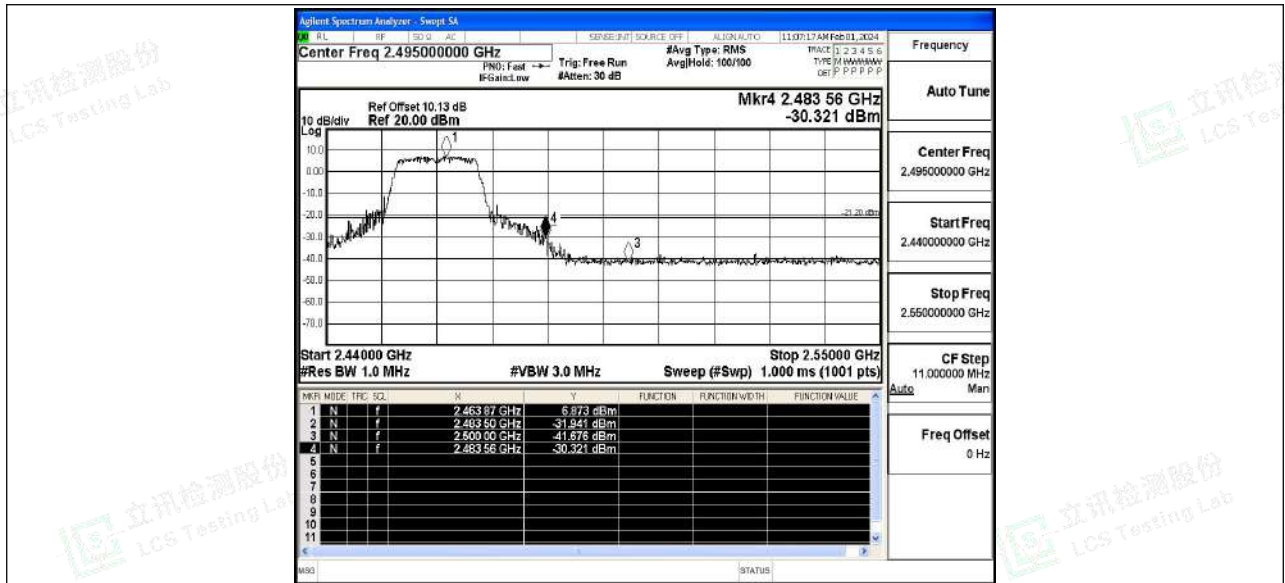


11G_Ant0_High_2462_AV

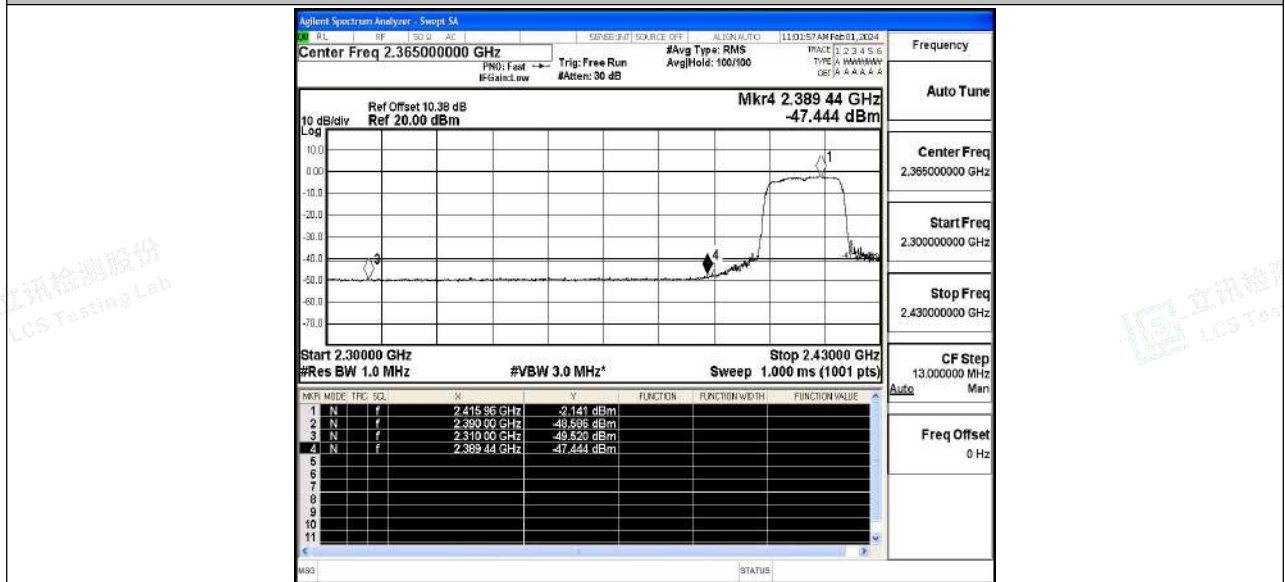


11G_Ant0_High_2462_Peak

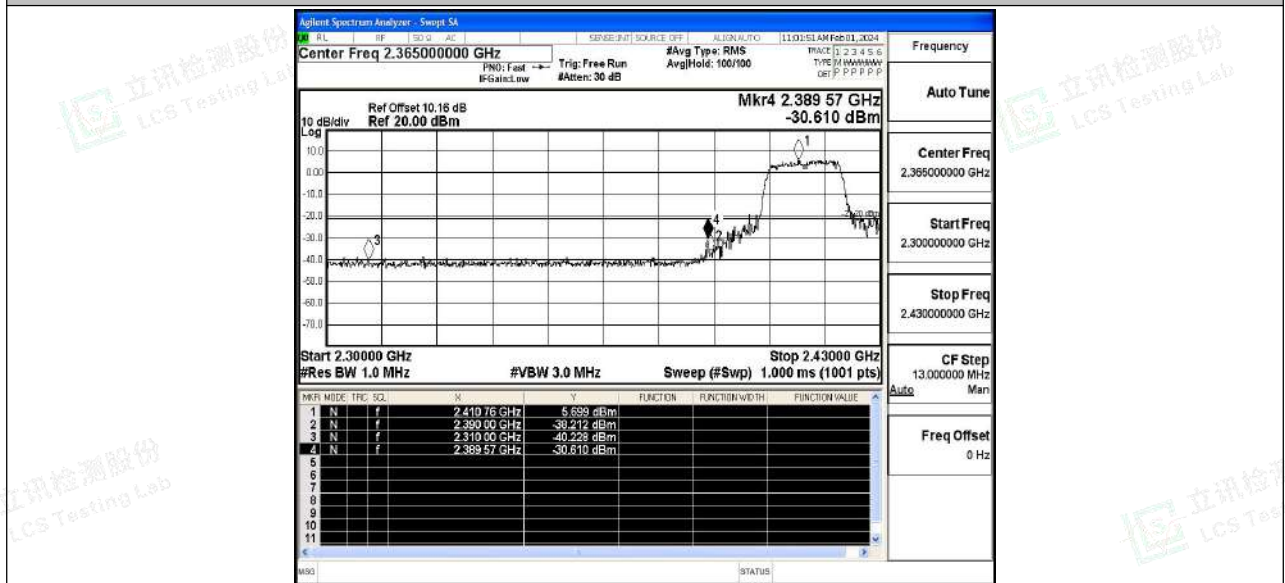




11N20SISO_Ant0_Low_2412_AV

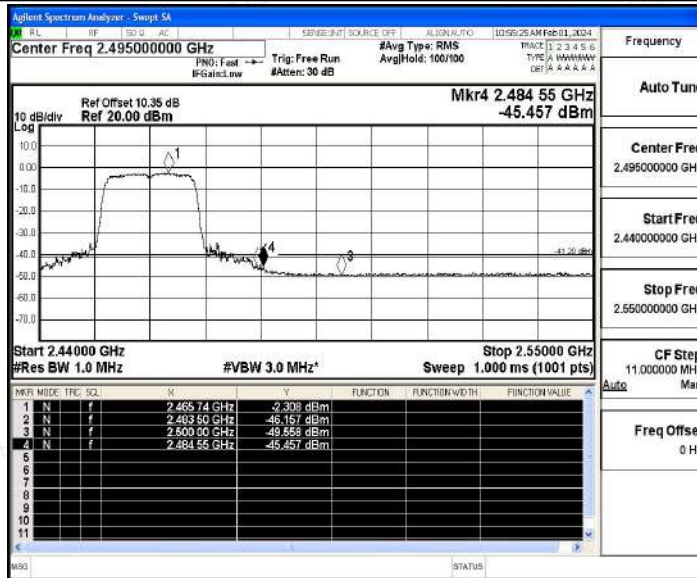


11N20SISO_Ant0_Low_2412_Peak





11N20SISO_Ant0_High_2462_AV

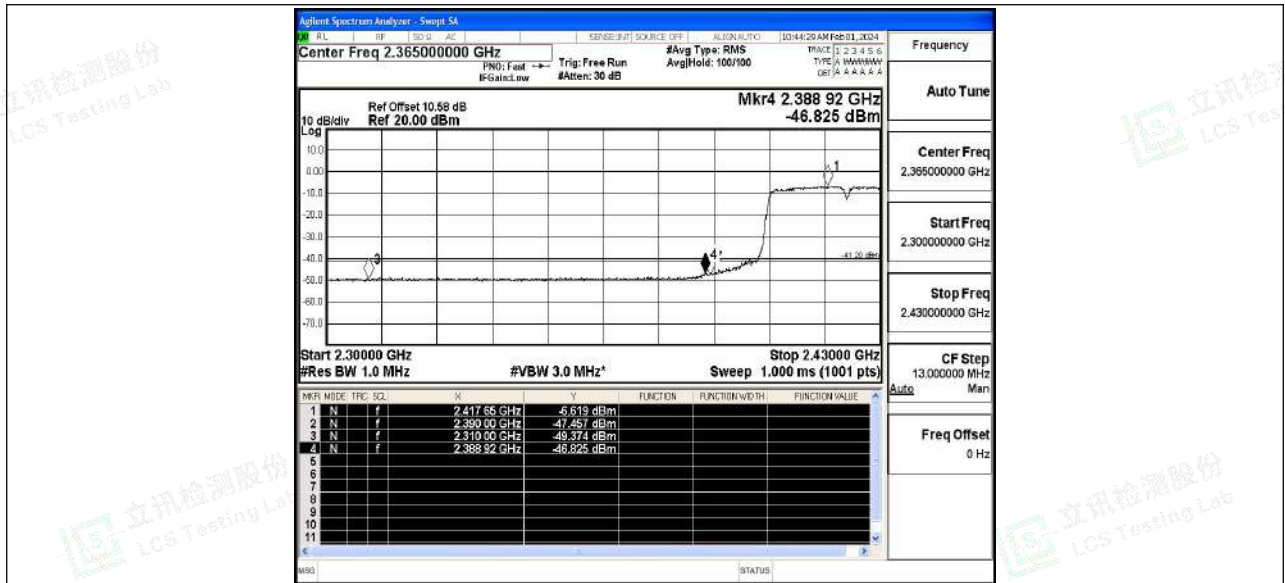


11N20SISO_Ant0_High_2462_Peak

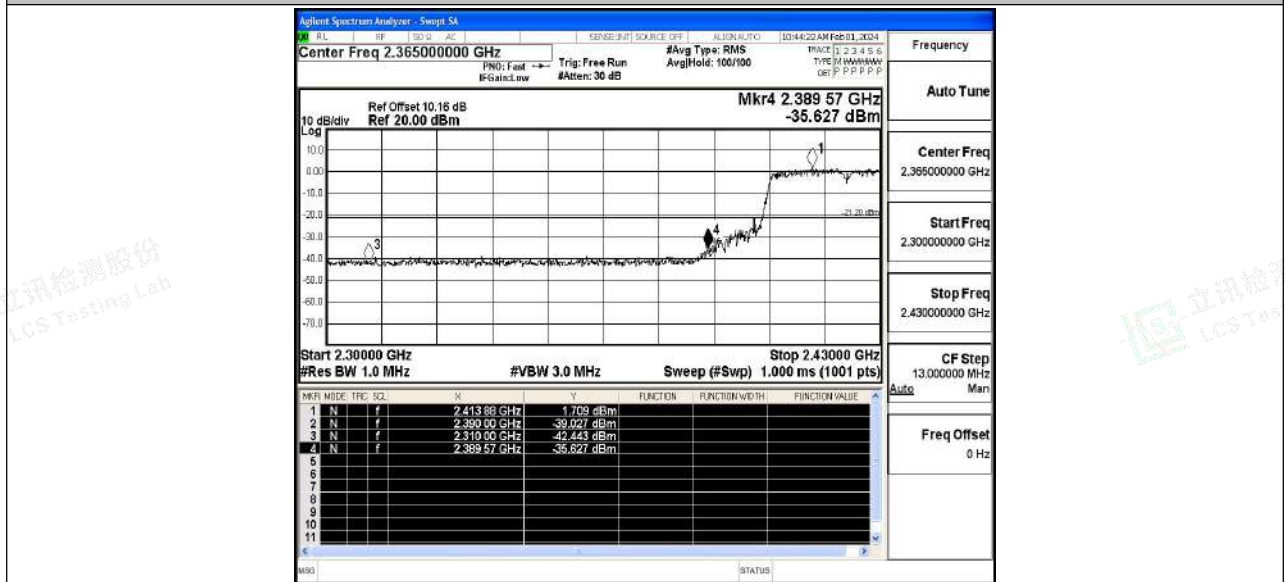


11N40SISO_Ant0_Low_2422_AV

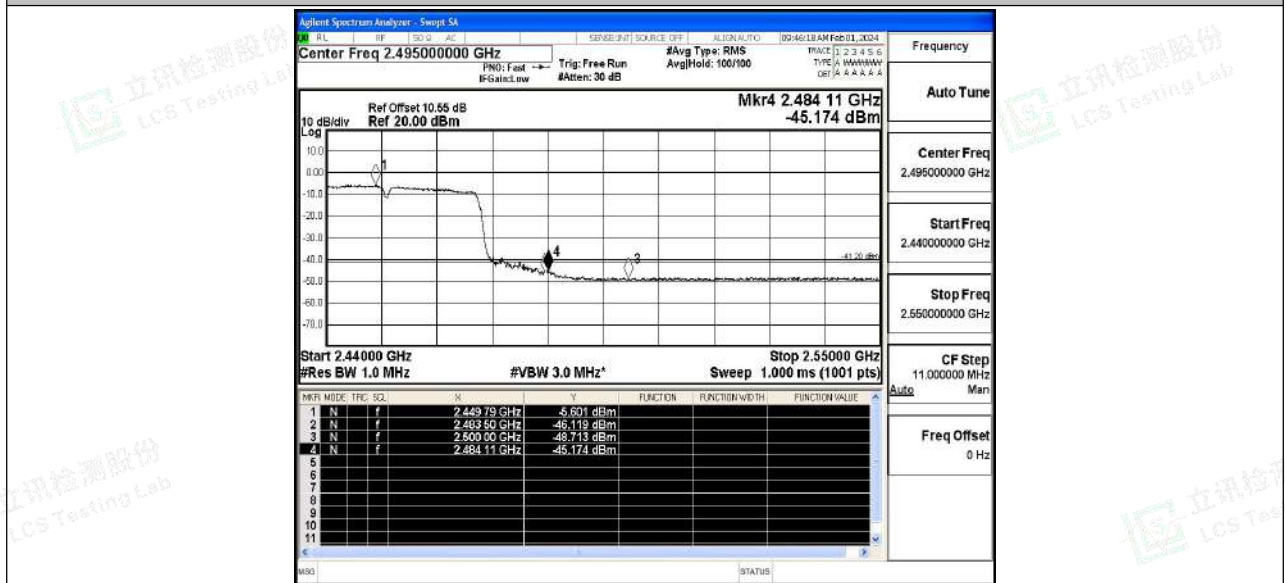




11N40SISO_Ant0_Low_2422_Peak

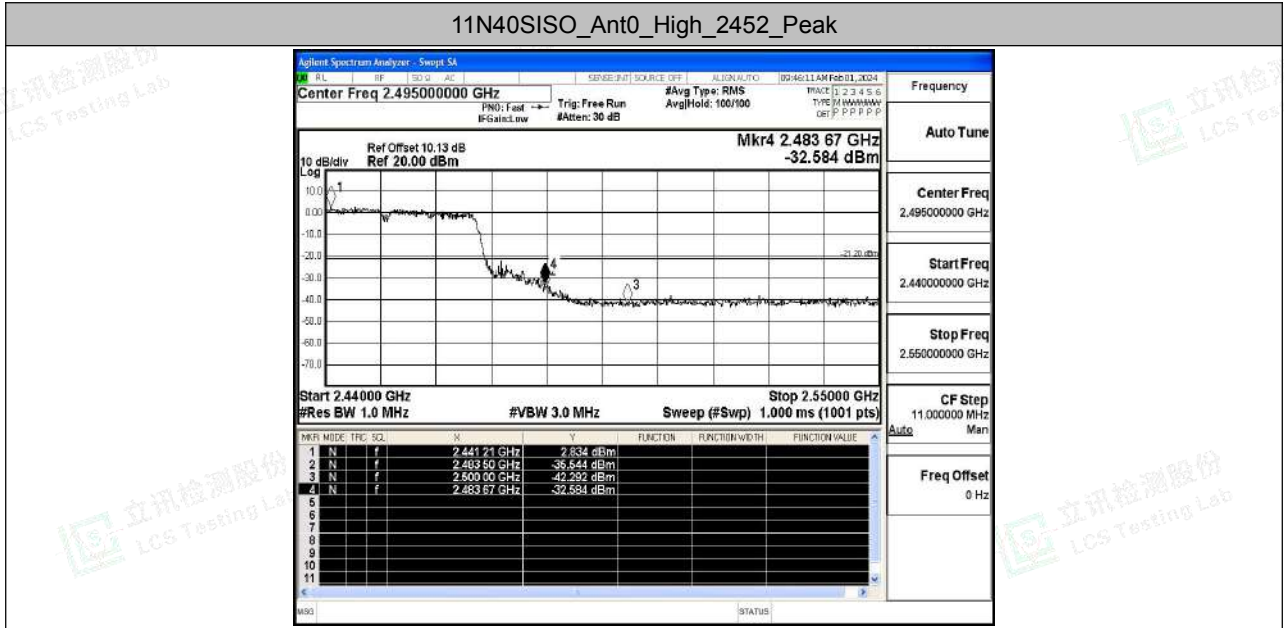


11N40SISO_Ant0_High_2452_AV





11N40SISO_Ant0_High_2452_Peak



**Test Result**

TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-50.29	≤-41.20	44.91	≤54	PASS
				AV	2389.830	-48.64	≤-41.20	46.56	≤54	PASS
				AV	2390.000	-49.05	≤-41.20	46.15	≤54	PASS
				Peak	2310.000	-41.02	≤-21.20	54.18	≤74	PASS
				Peak	2348.490	-39.21	≤-21.20	55.99	≤74	PASS
				Peak	2390.000	-41.67	≤-21.20	53.53	≤74	PASS
		High	2462	AV	2483.500	-48.89	≤-41.20	46.31	≤54	PASS
				AV	2484.440	-48.25	≤-41.20	46.95	≤54	PASS
				AV	2500.000	-49.63	≤-41.20	45.57	≤54	PASS
				Peak	2483.500	-41.53	≤-21.20	53.67	≤74	PASS
				Peak	2485.210	-38.76	≤-21.20	56.44	≤74	PASS
				Peak	2500.000	-42.58	≤-21.20	52.62	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-50.06	≤-41.20	45.14	≤54	PASS
				AV	2389.960	-48.13	≤-41.20	47.07	≤54	PASS
				AV	2390.000	-48.13	≤-41.20	47.07	≤54	PASS
				Peak	2310.000	-42.41	≤-21.20	52.79	≤74	PASS
				Peak	2389.440	-36.43	≤-21.20	58.77	≤74	PASS
				Peak	2390.000	-36.72	≤-21.20	58.48	≤74	PASS
		High	2462	AV	2483.500	-46.48	≤-41.20	48.72	≤54	PASS
				AV	2484.220	-44.95	≤-41.20	50.25	≤54	PASS
				AV	2500.000	-49.43	≤-41.20	45.77	≤54	PASS
				Peak	2483.500	-31.85	≤-21.20	63.35	≤74	PASS
				Peak	2484.440	-28.7	≤-21.20	66.50	≤74	PASS
				Peak	2500.000	-41.06	≤-21.20	54.14	≤74	PASS
11N20SIS O	Ant1	Low	2412	AV	2310.000	-49.43	≤-41.20	45.77	≤54	PASS
				AV	2388.790	-48.04	≤-41.20	47.16	≤54	PASS
				AV	2390.000	-49.05	≤-41.20	46.15	≤54	PASS
				Peak	2310.000	-41.77	≤-21.20	53.43	≤74	PASS
				Peak	2389.830	-33.46	≤-21.20	61.74	≤74	PASS
				Peak	2390.000	-38.81	≤-21.20	56.39	≤74	PASS
		High	2462	AV	2483.500	-44.42	≤-41.20	50.78	≤54	PASS
				AV	2483.560	-44.69	≤-41.20	50.51	≤54	PASS
				AV	2500.000	-49.52	≤-41.20	45.68	≤54	PASS
				Peak	2483.500	-34.18	≤-21.20	61.02	≤74	PASS
				Peak	2483.670	-28.79	≤-21.20	66.41	≤74	PASS
				Peak	2500.000	-40.21	≤-21.20	54.99	≤74	PASS
11N40SIS O	Ant1	Low	2422	AV	2310.000	-49.75	≤-41.20	45.45	≤54	PASS
				AV	2389.700	-46.07	≤-41.20	49.13	≤54	PASS
				AV	2390.000	-47.82	≤-41.20	47.38	≤54	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Building A and 301 Building C, Juji Industrial Park, Yabianxueziwei Shajing Street, Baoan District, Shenzhen, 518000, P.R.C.

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

Scan code to check authenticity



		High	2452	Peak	2310.000	-42.51	≤-21.20	52.69	≤74	PASS
				Peak	2389.440	-35.46	≤-21.20	59.74	≤74	PASS
				Peak	2390.000	-37.64	≤-21.20	57.56	≤74	PASS
				AV	2483.500	-45.02	≤-41.20	50.18	≤54	PASS
				AV	2483.780	-45.07	≤-41.20	50.13	≤54	PASS
				AV	2500.000	-48.96	≤-41.20	46.24	≤54	PASS
				Peak	2483.500	-33.24	≤-21.20	61.96	≤74	PASS
				Peak	2483.780	-31.56	≤-21.20	63.64	≤74	PASS
				Peak	2500.000	-41.77	≤-21.20	53.43	≤74	PASS

Note:

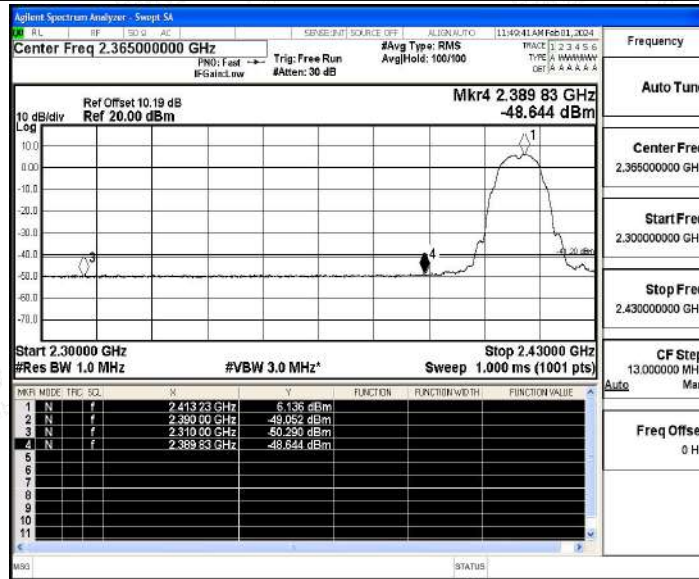
- The Antenna Gain is compensated in the graph. The Correction Factor is compensated in the graph.
- The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.



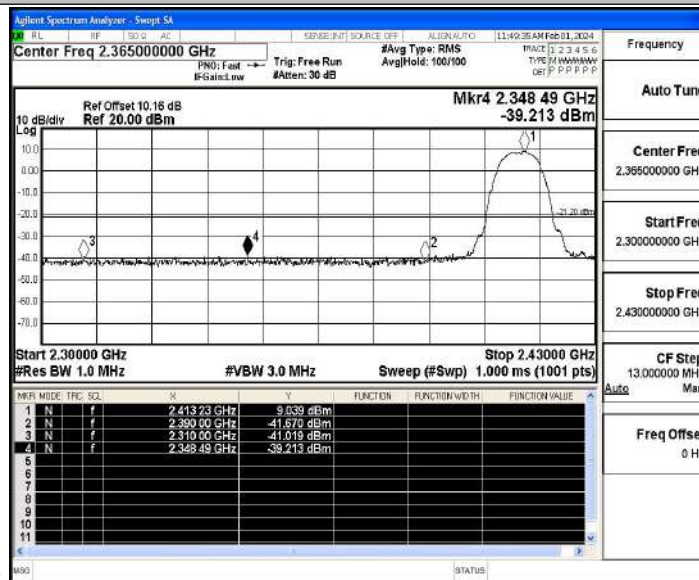


Test Graphs

11B_Ant1_Low_2412_AV

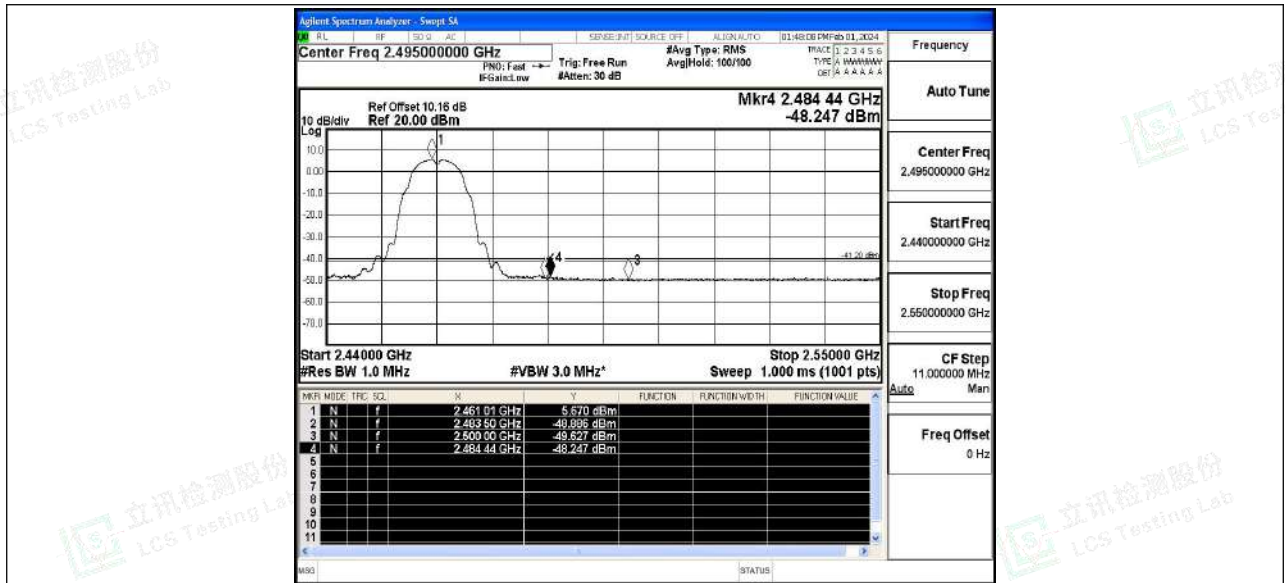


11B_Ant1_Low_2412_Peak

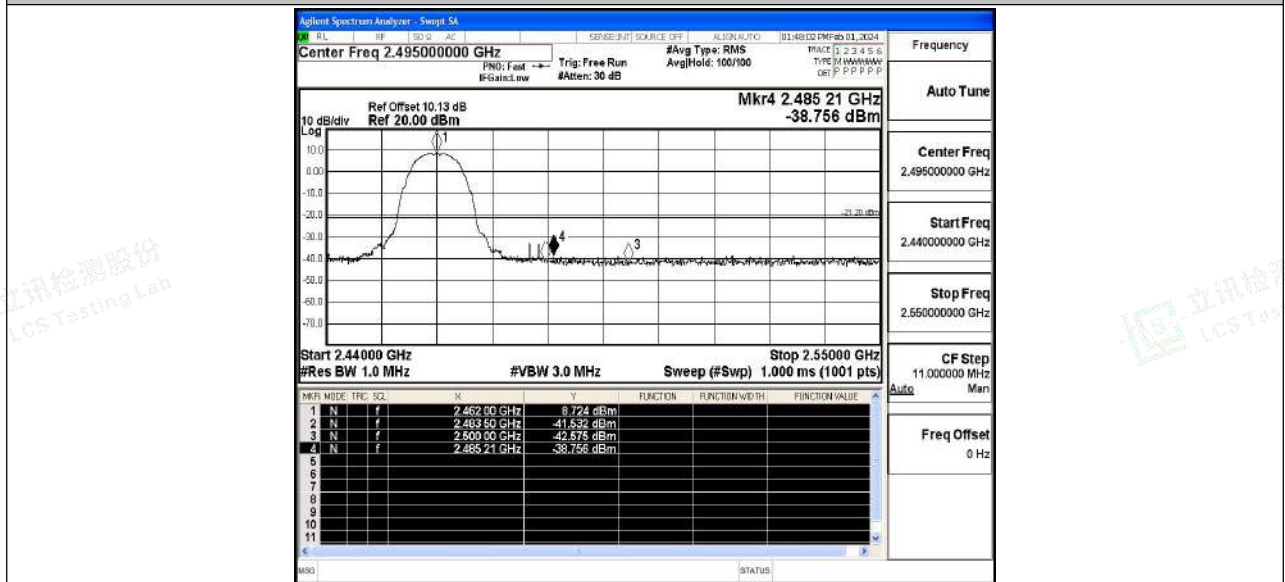


11B_Ant1_High_2462_AV

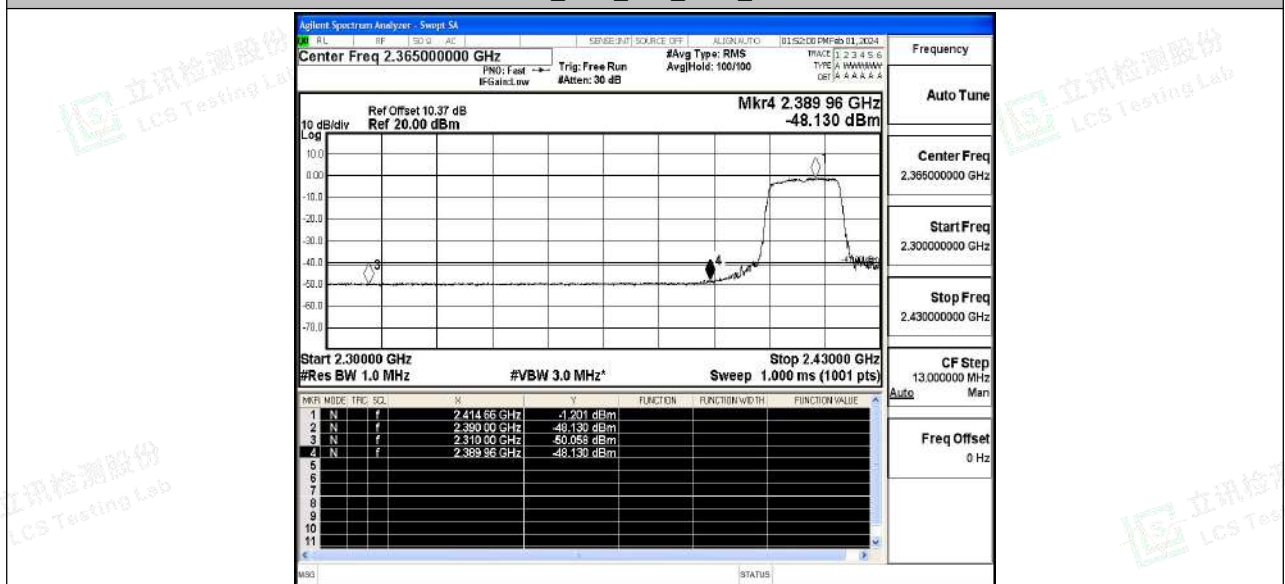




11B_Ant1_High_2462_Peak

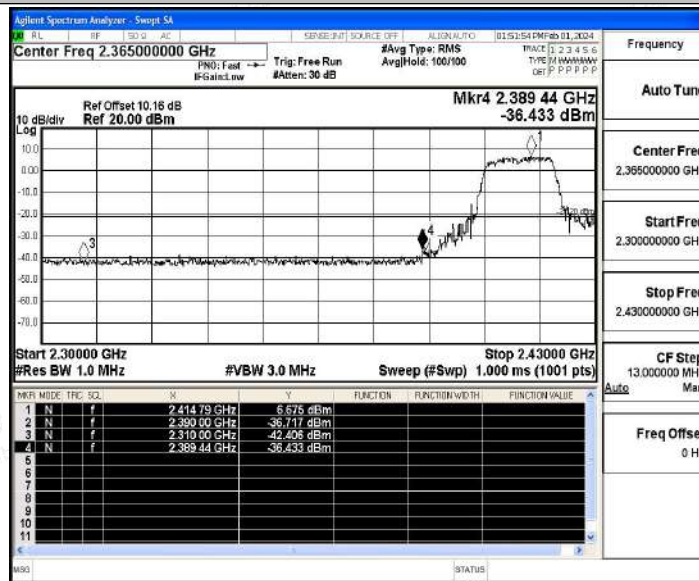


11G_Ant1_Low_2412_AV

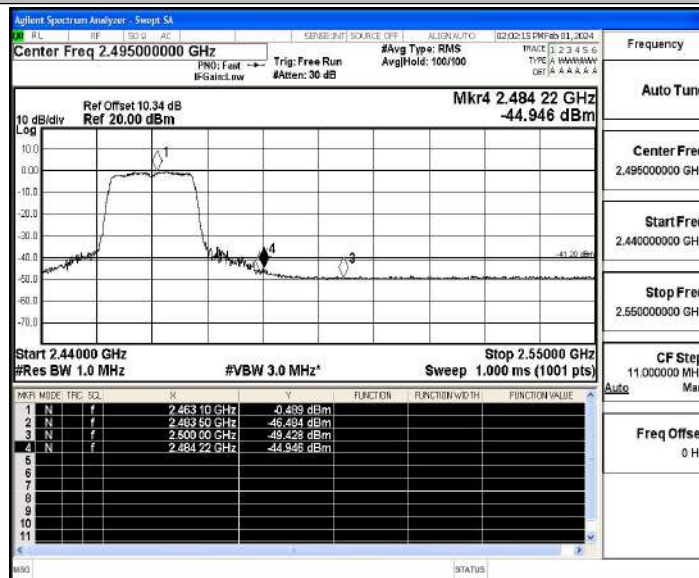




11G_Ant1_Low_2412_Peak

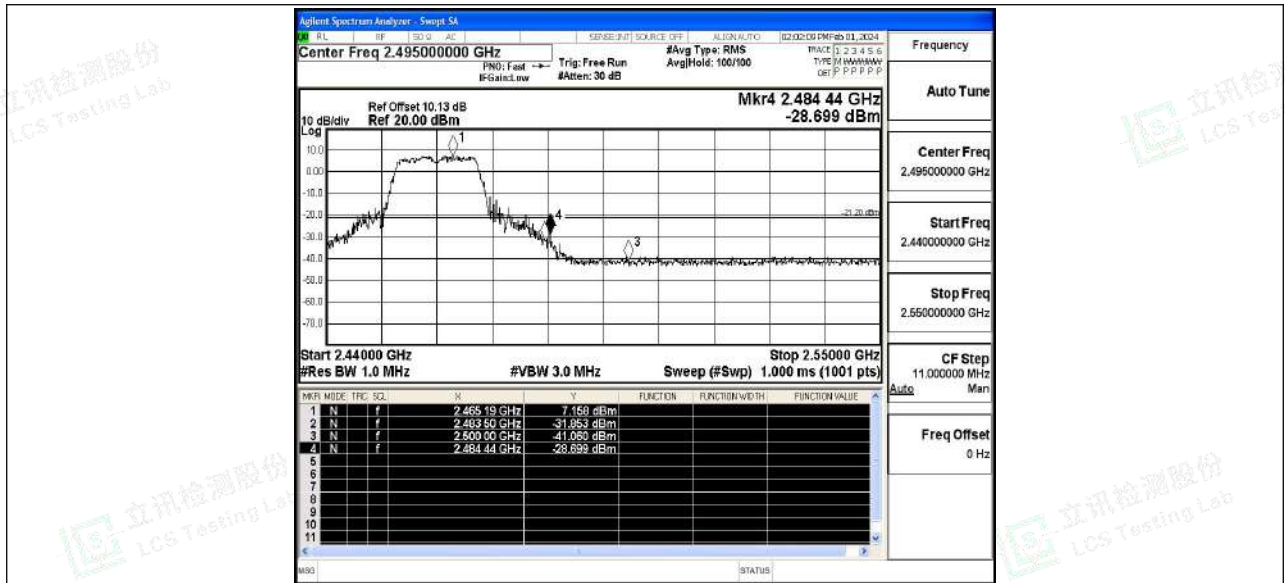


11G_Ant1_High_2462_AV

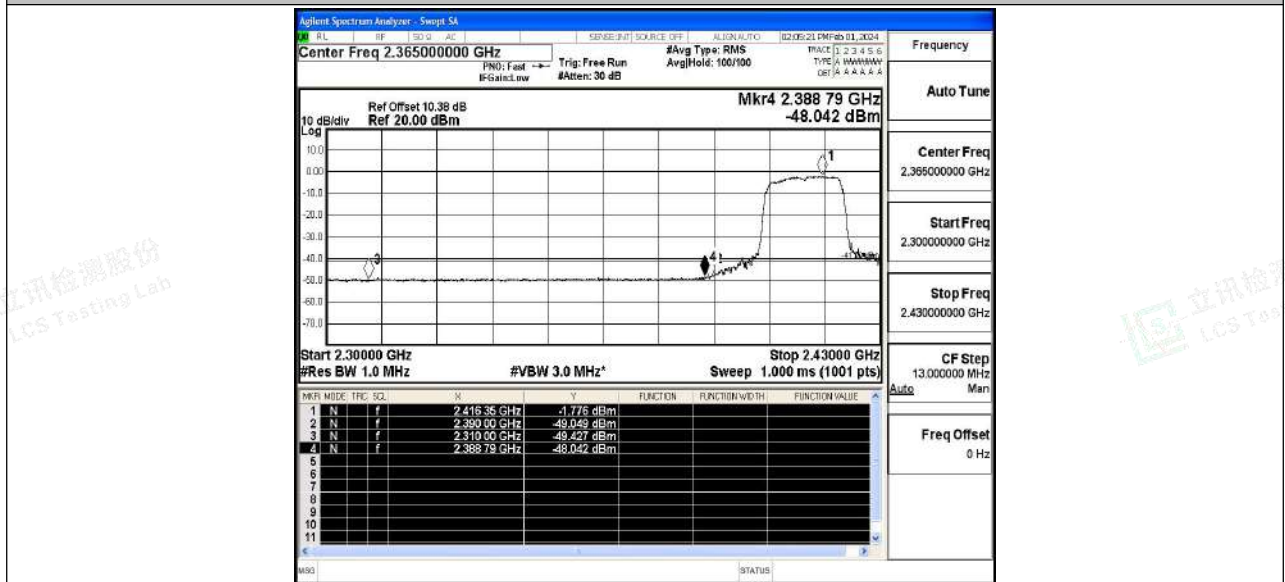


11G_Ant1_High_2462_Peak

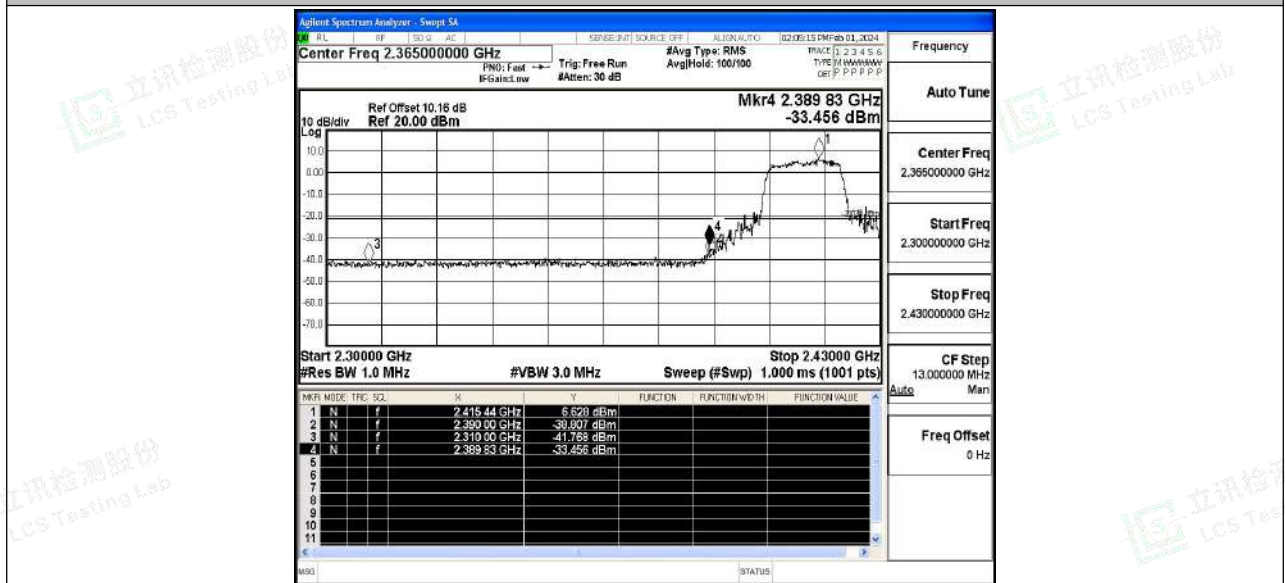




11N20SISO_Ant1_Low_2412_AV

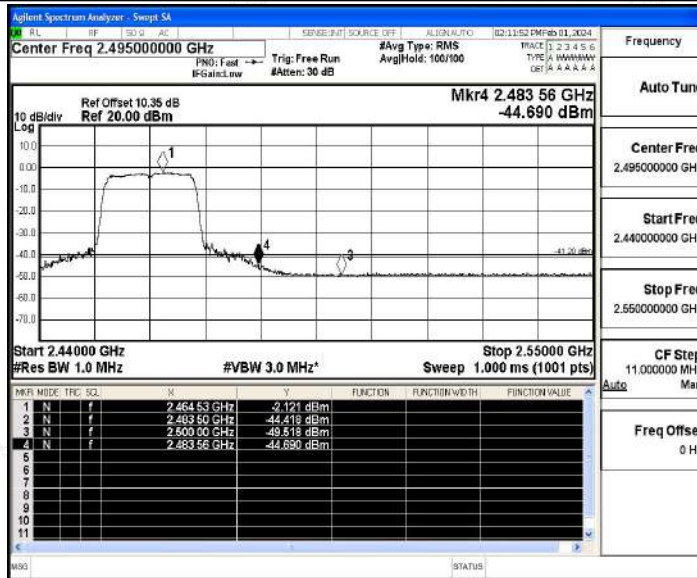


11N20SISO_Ant1_Low_2412_Peak





11N20SISO_Ant1_High_2462_AV

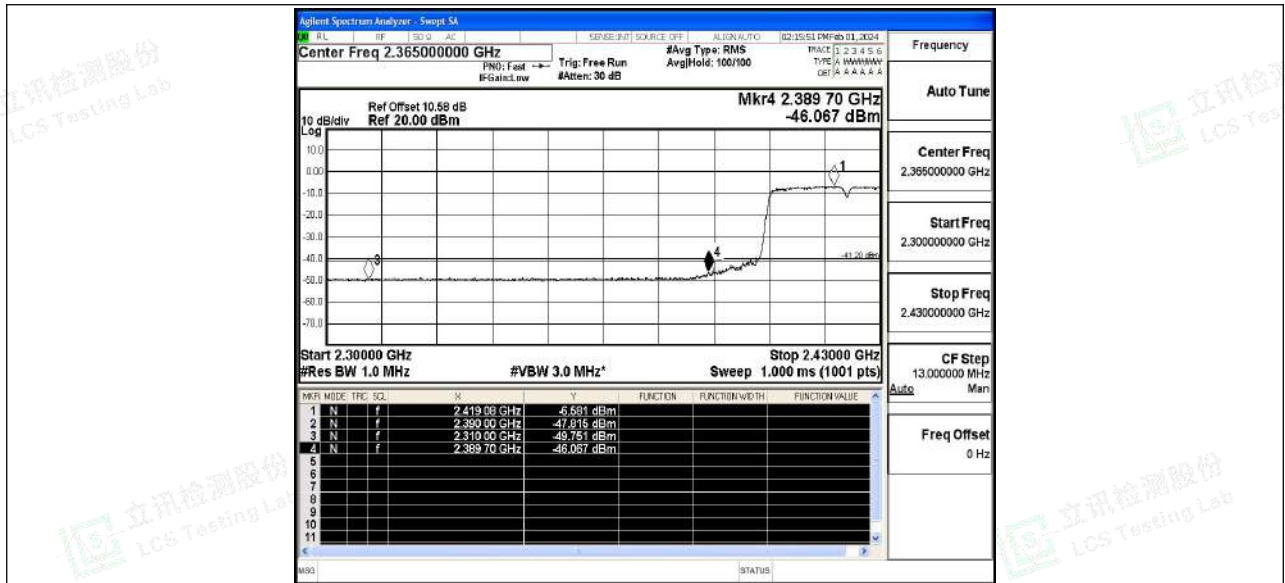


11N20SISO_Ant1_High_2462_Peak

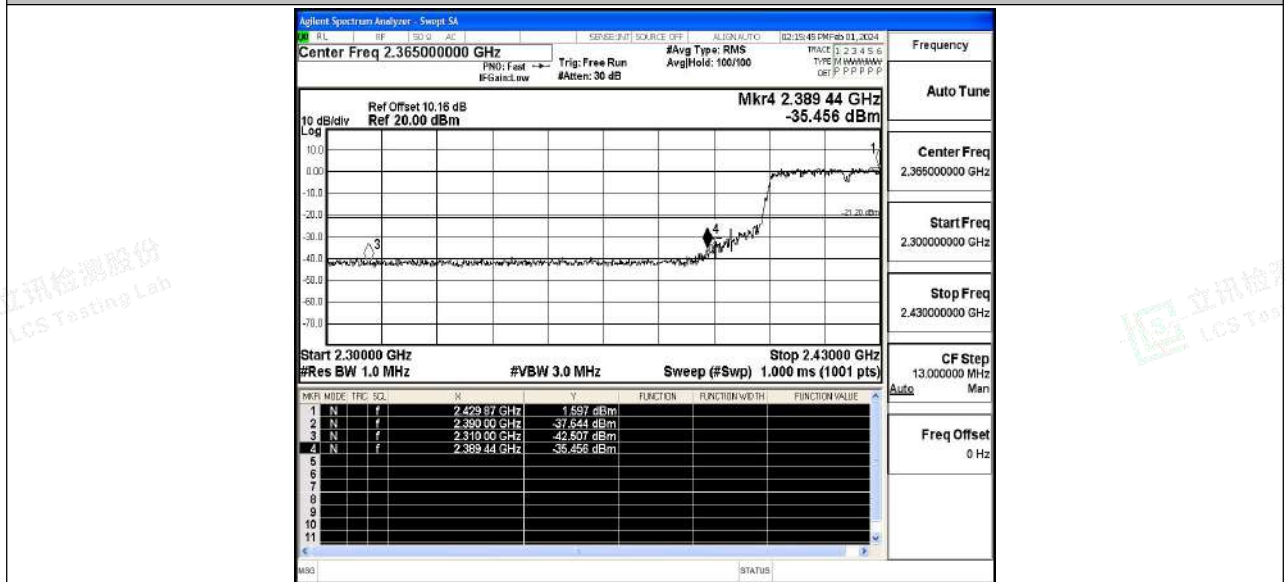


11N40SISO_Ant1_Low_2422_AV

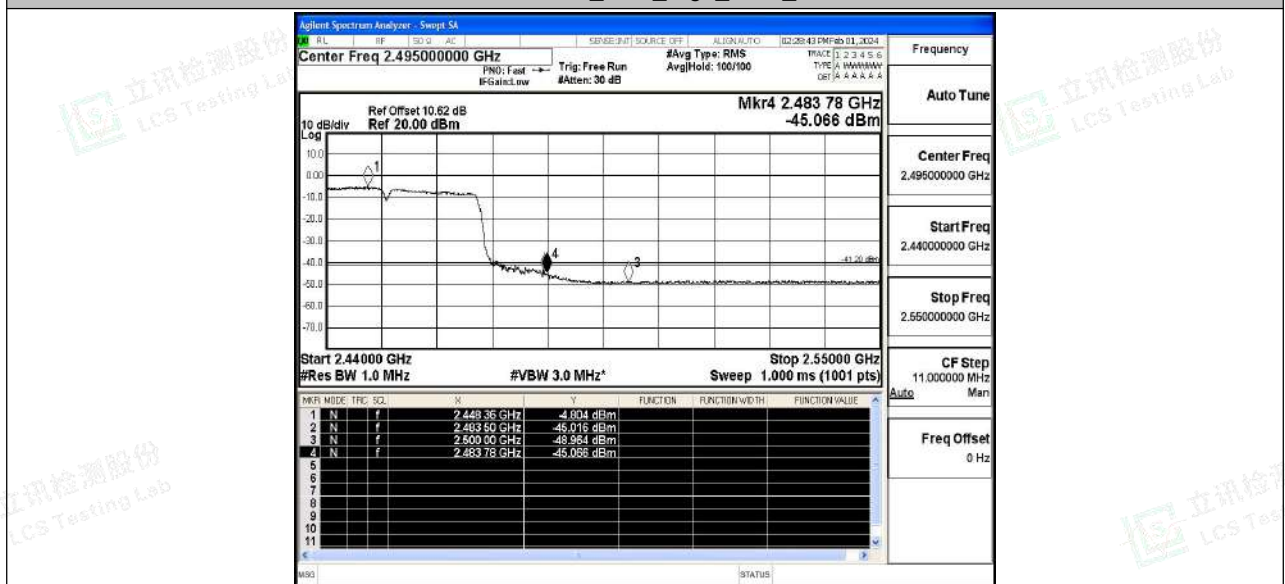


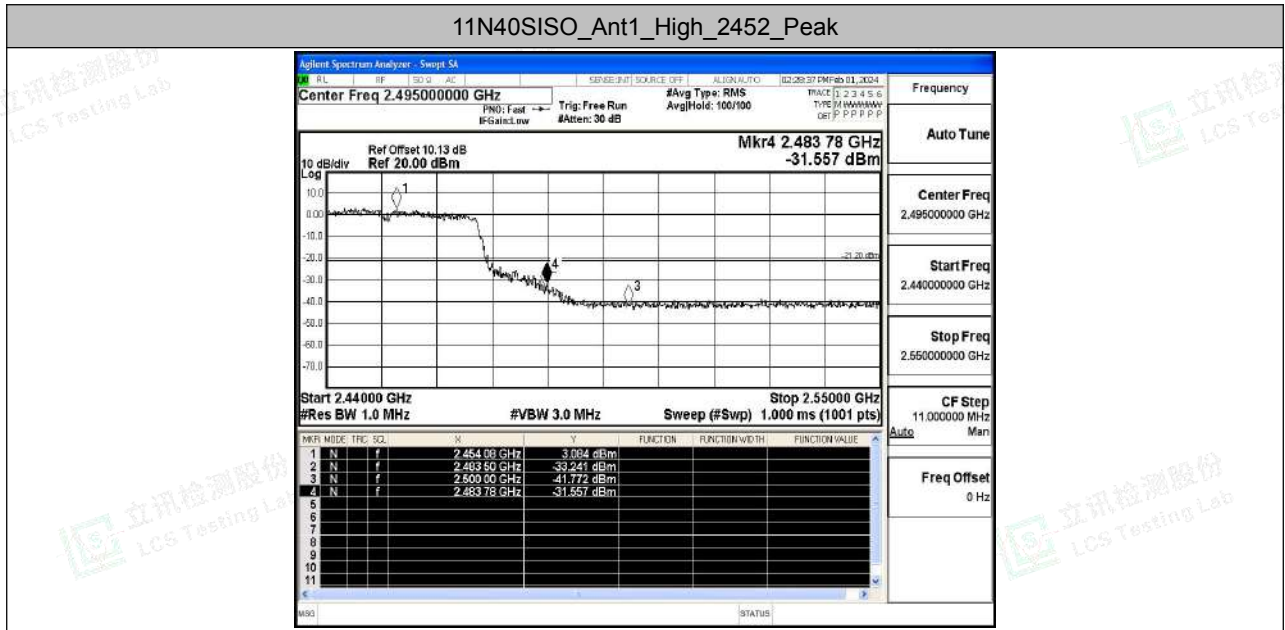


11N40SISO_Ant1_Low_2422_Peak



11N40SISO_Ant1_High_2452_AV





MIMO

TestMode	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11N20SISO	Low	2412	AV	2310.000	-46.46	≤-41.20	48.74	≤54	PASS
			AV	2388.790	-44.72	≤-41.20	50.48	≤54	PASS
			AV	2390.000	-45.80	≤-41.20	49.40	≤54	PASS
			Peak	2310.000	-37.92	≤-21.20	57.28	≤74	PASS
			Peak	2389.830	-28.79	≤-21.20	66.41	≤74	PASS
			Peak	2390.000	-35.49	≤-21.20	59.71	≤74	PASS
	High	2462	AV	2483.500	-42.19	≤-41.20	53.01	≤54	PASS
			AV	2483.560	-42.05	≤-41.20	53.15	≤54	PASS
			AV	2500.000	-46.53	≤-41.20	48.67	≤54	PASS
			Peak	2483.500	-31.15	≤-21.20	64.05	≤74	PASS
			Peak	2483.670	-26.73	≤-21.20	68.47	≤74	PASS
			Peak	2500.000	-37.25	≤-21.20	57.95	≤74	PASS
11N40SISO	Low	2422	AV	2310.000	-46.55	≤-41.20	48.65	≤54	PASS
			AV	2389.700	-43.42	≤-41.20	51.78	≤54	PASS
			AV	2390.000	-44.63	≤-41.20	50.57	≤54	PASS
			Peak	2310.000	-39.46	≤-21.20	55.74	≤74	PASS
			Peak	2389.440	-32.53	≤-21.20	62.67	≤74	PASS
			Peak	2390.000	-35.27	≤-21.20	59.93	≤74	PASS
	High	2452	AV	2483.500	-42.52	≤-41.20	52.68	≤54	PASS
			AV	2483.780	-42.11	≤-41.20	53.09	≤54	PASS
			AV	2500.000	-45.82	≤-41.20	49.38	≤54	PASS
			Peak	2483.500	-31.23	≤-21.20	63.97	≤74	PASS
			Peak	2483.780	-29.03	≤-21.20	66.17	≤74	PASS





			Peak	2500.000	-39.01	≤-21.20	56.19	≤74	PASS
--	--	--	------	----------	--------	---------	-------	-----	------

