



## Appendix C

### RF Test Data for 2.4GWIFI (Conducted Measurement)

**Product Name:** tablet pc

**Test Model:** G103

#### Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Taylor Hu
Supervised by:	Ling Zhu



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### C.1 DTS Bandwidth

#### Test Result

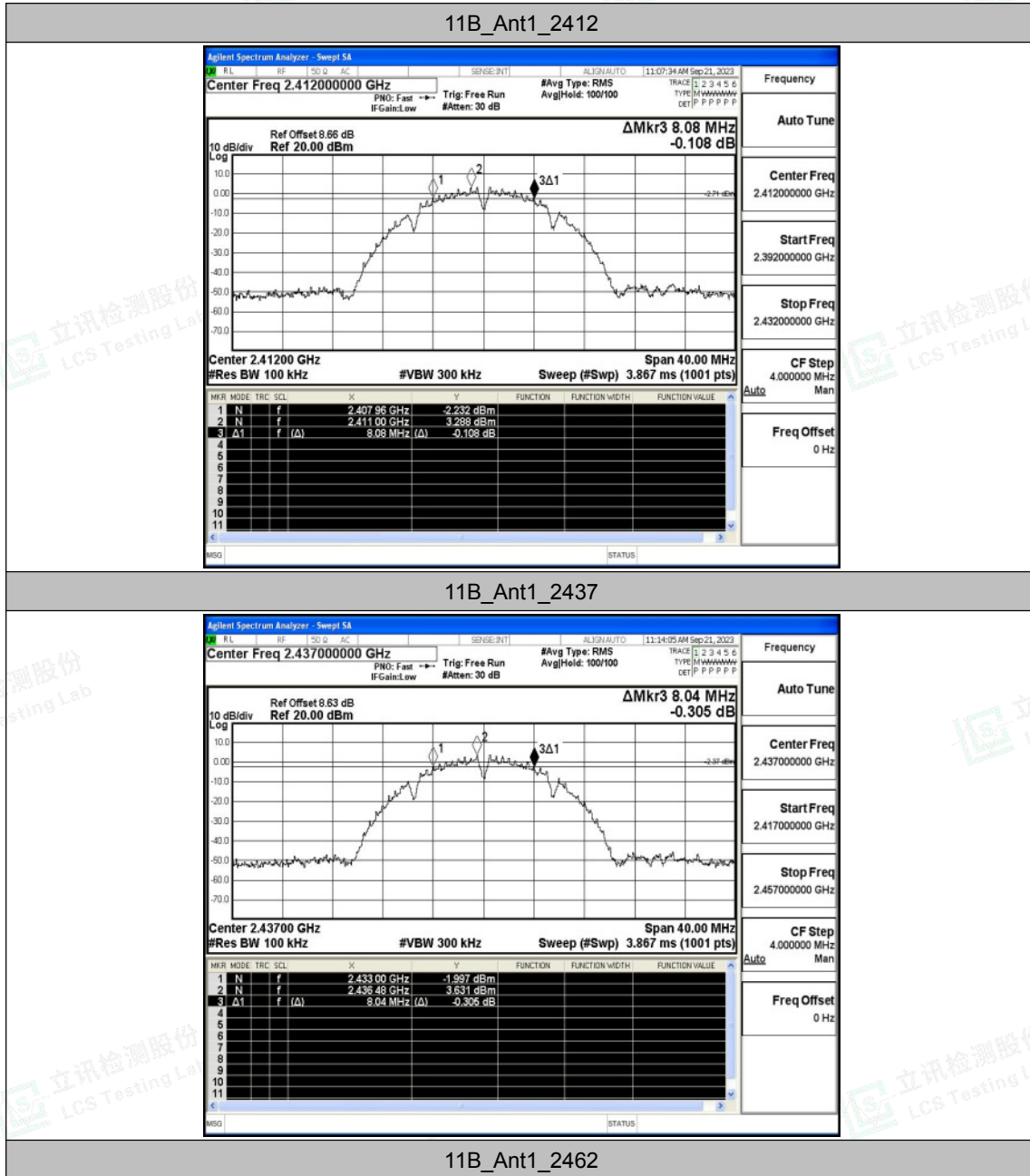
TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.080	2407.960	2416.040	0.5	PASS
		2437	8.040	2433.000	2441.040	0.5	PASS
		2462	7.600	2458.000	2465.600	0.5	PASS
11G	Ant1	2412	15.000	2404.480	2419.480	0.5	PASS
		2437	14.800	2429.720	2444.520	0.5	PASS
		2462	15.640	2454.240	2469.880	0.5	PASS
11N20SISO	Ant1	2412	16.280	2404.480	2420.760	0.5	PASS
		2437	15.320	2429.440	2444.760	0.5	PASS
		2462	14.800	2455.120	2469.920	0.5	PASS
11N40SISO	Ant1	2422	34.000	2405.760	2439.760	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	32.640	2436.960	2469.600	0.5	PASS



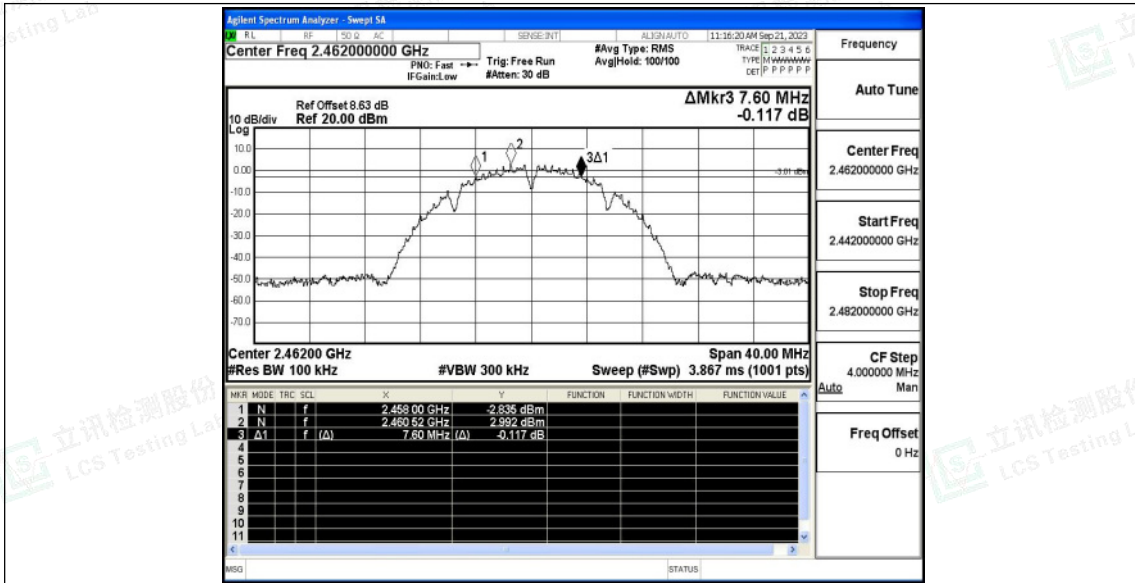
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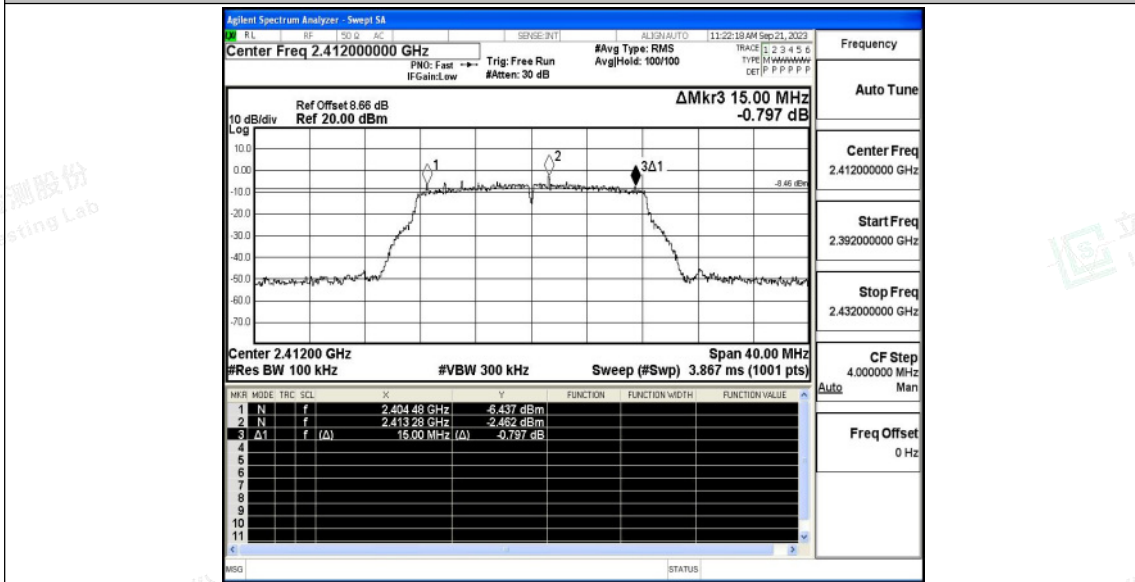
### Test Graphs



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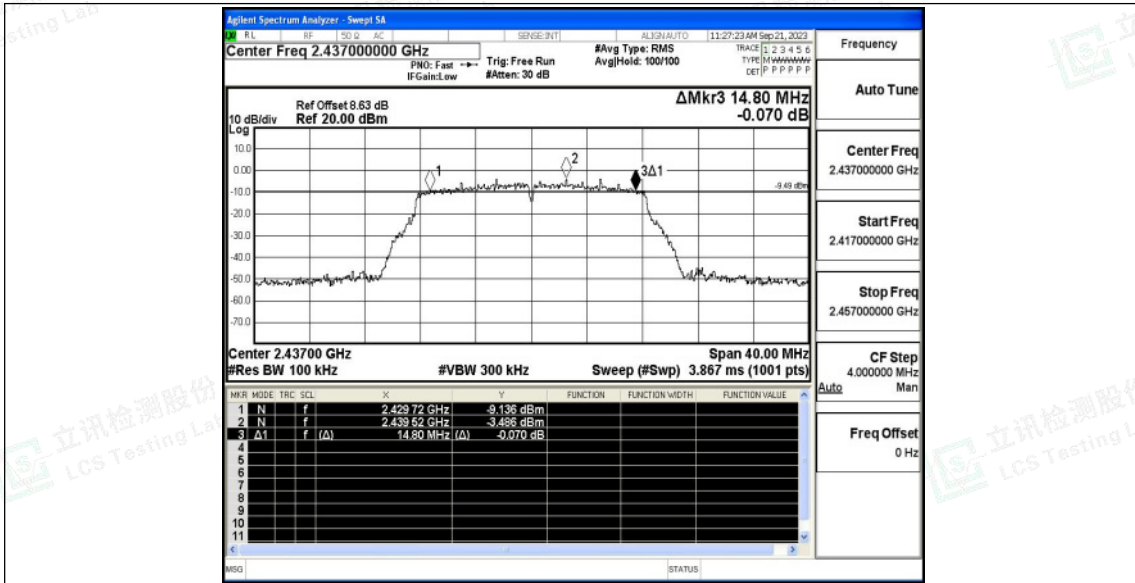
11G\_Ant1\_2412



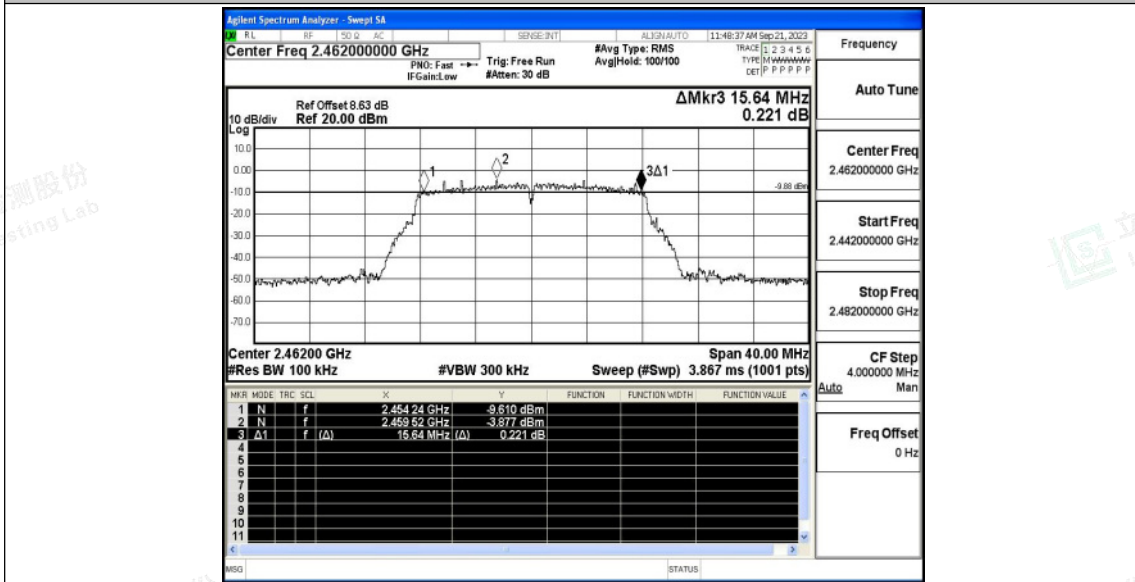
11G\_Ant1\_2437



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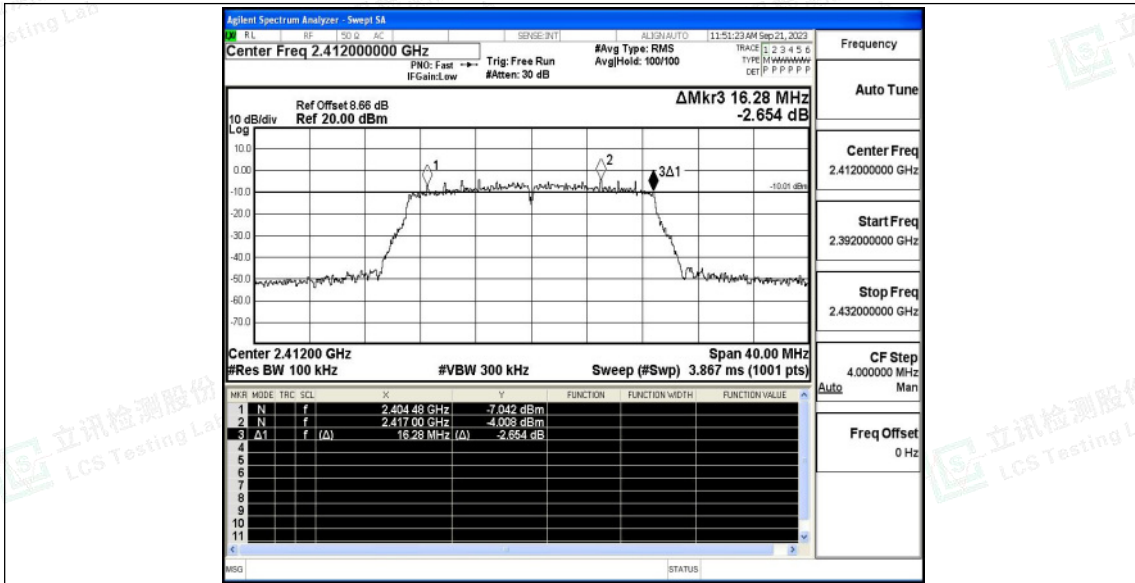
11G\_Ant1\_2462



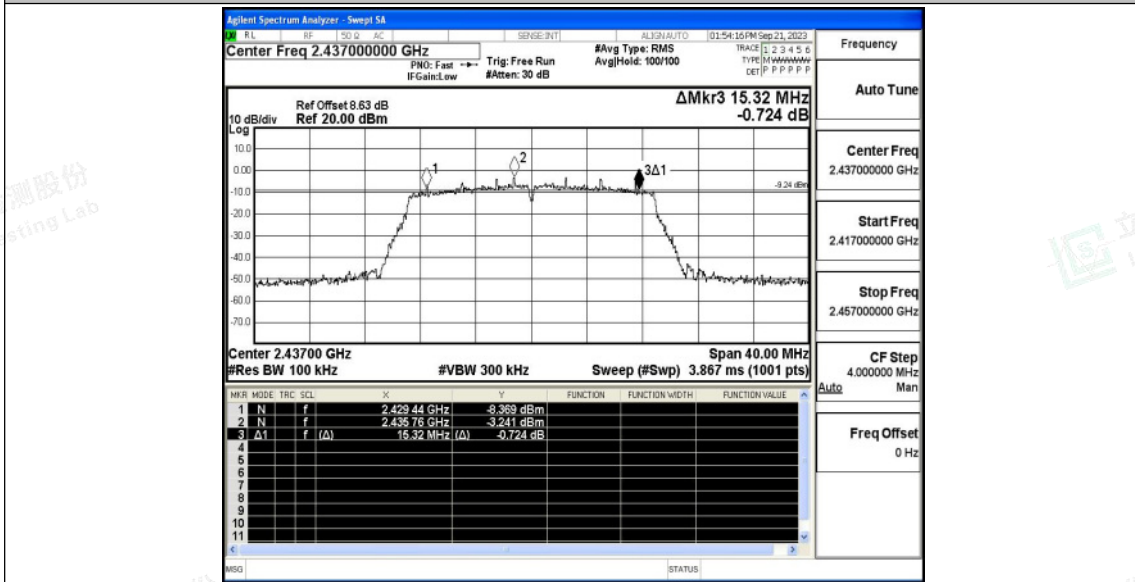
11N20SISO\_Ant1\_2412



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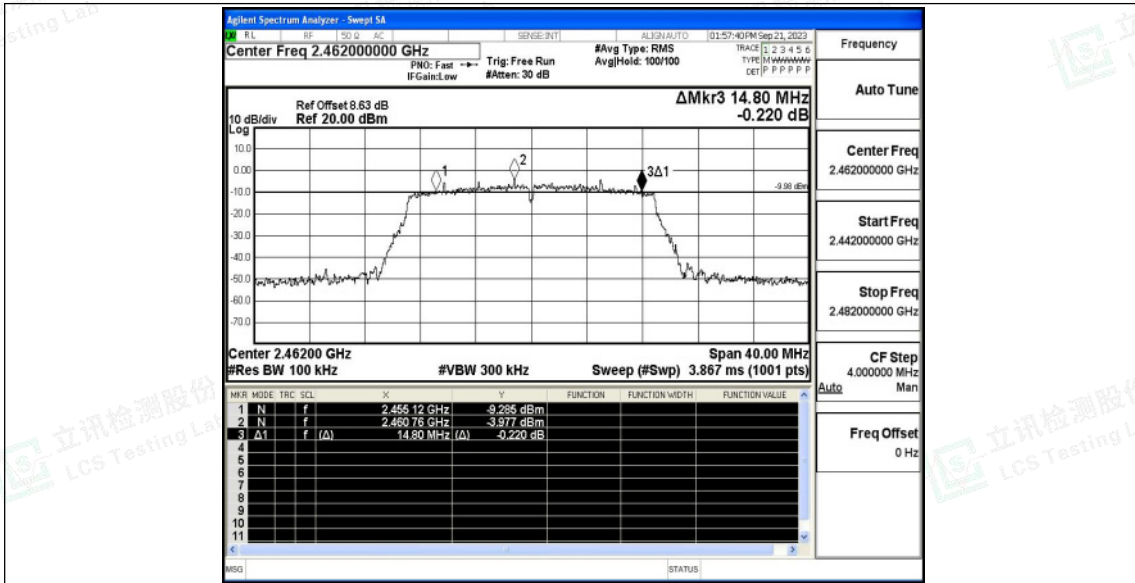
11N20SISO\_Ant1\_2437



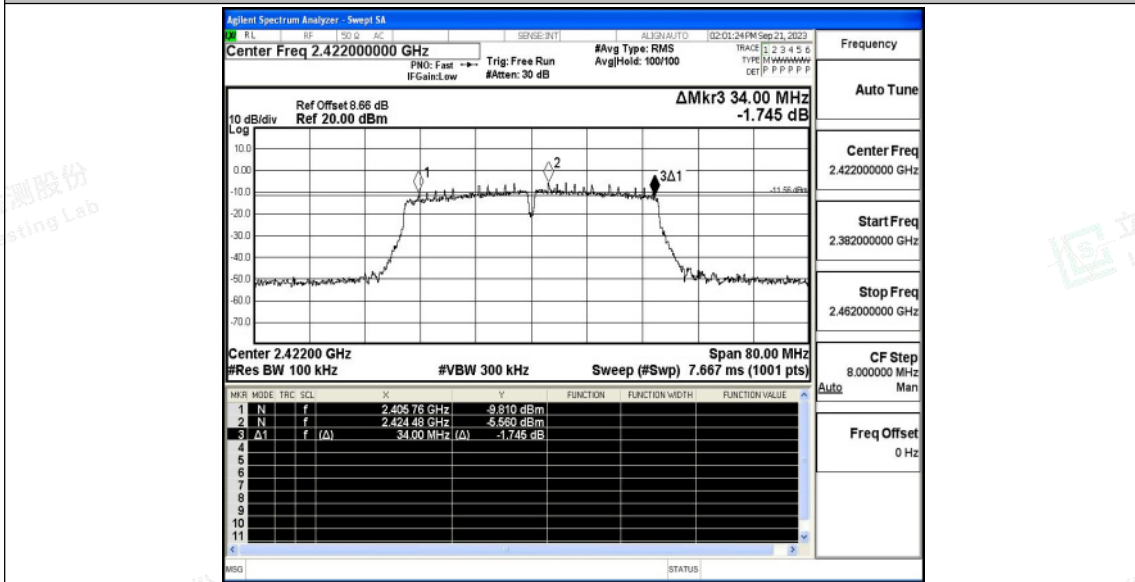
11N20SISO\_Ant1\_2462



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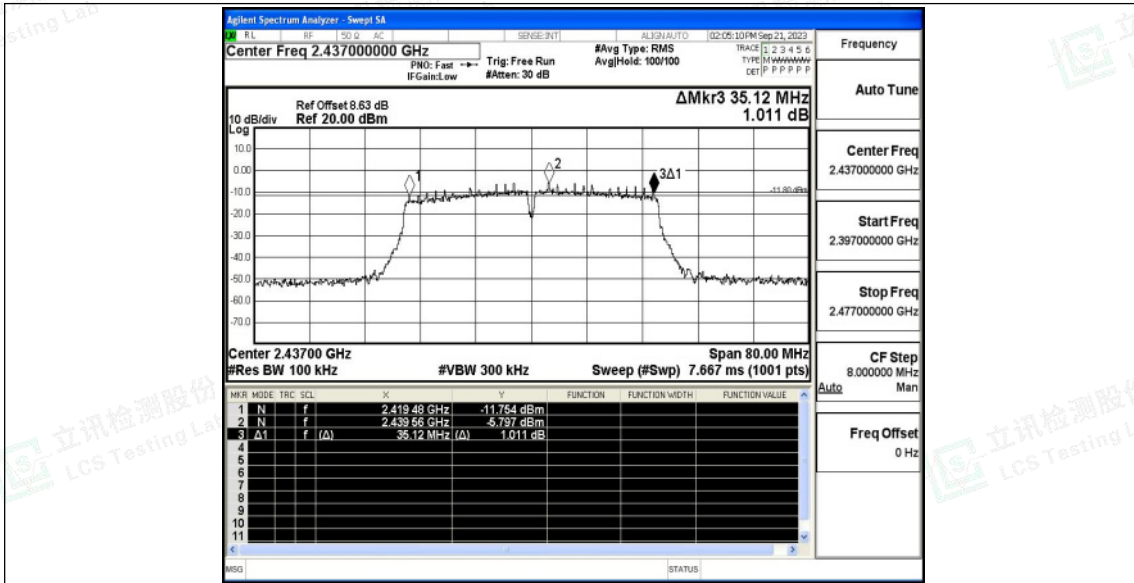
11N40SISO\_Ant1\_2422



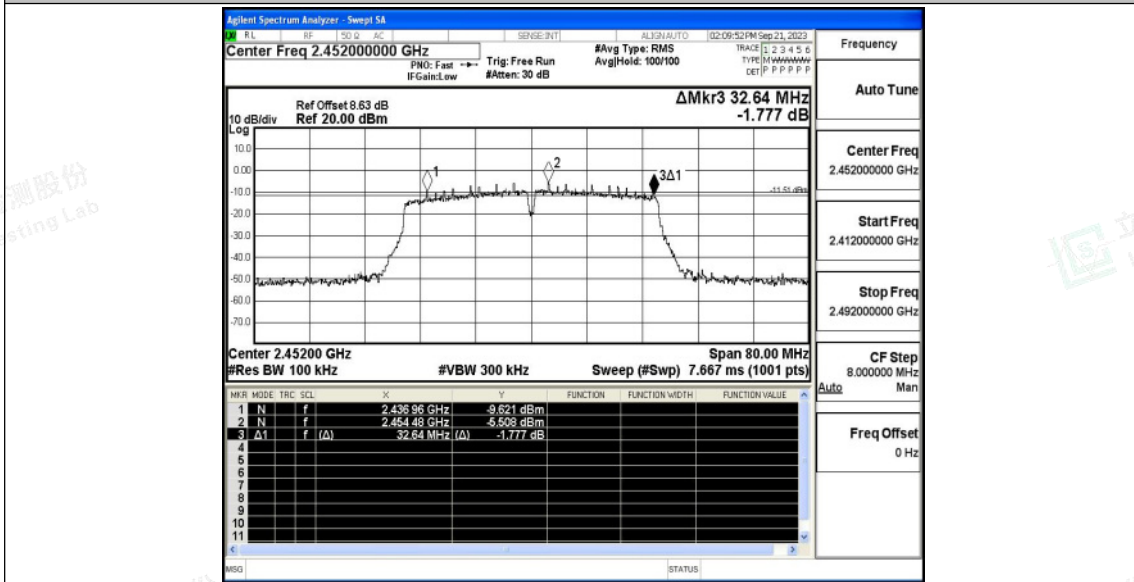
11N40SISO\_Ant1\_2437



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11N40SISO\_Ant1\_2452



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## C.2 Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Freq(MHz)	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	14.58	≤30.00	PASS
		2437	14.65	≤30.00	PASS
		2462	14.44	≤30.00	PASS
11G	Ant1	2412	13.97	≤30.00	PASS
		2437	14.20	≤30.00	PASS
		2462	13.92	≤30.00	PASS
11N20SISO	Ant1	2412	13.92	≤30.00	PASS
		2437	13.76	≤30.00	PASS
		2462	13.57	≤30.00	PASS
11N40SISO	Ant1	2422	14.09	≤30.00	PASS
		2437	13.99	≤30.00	PASS
		2452	13.94	≤30.00	PASS



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### C.3 Maximum power spectral density

#### Test Result

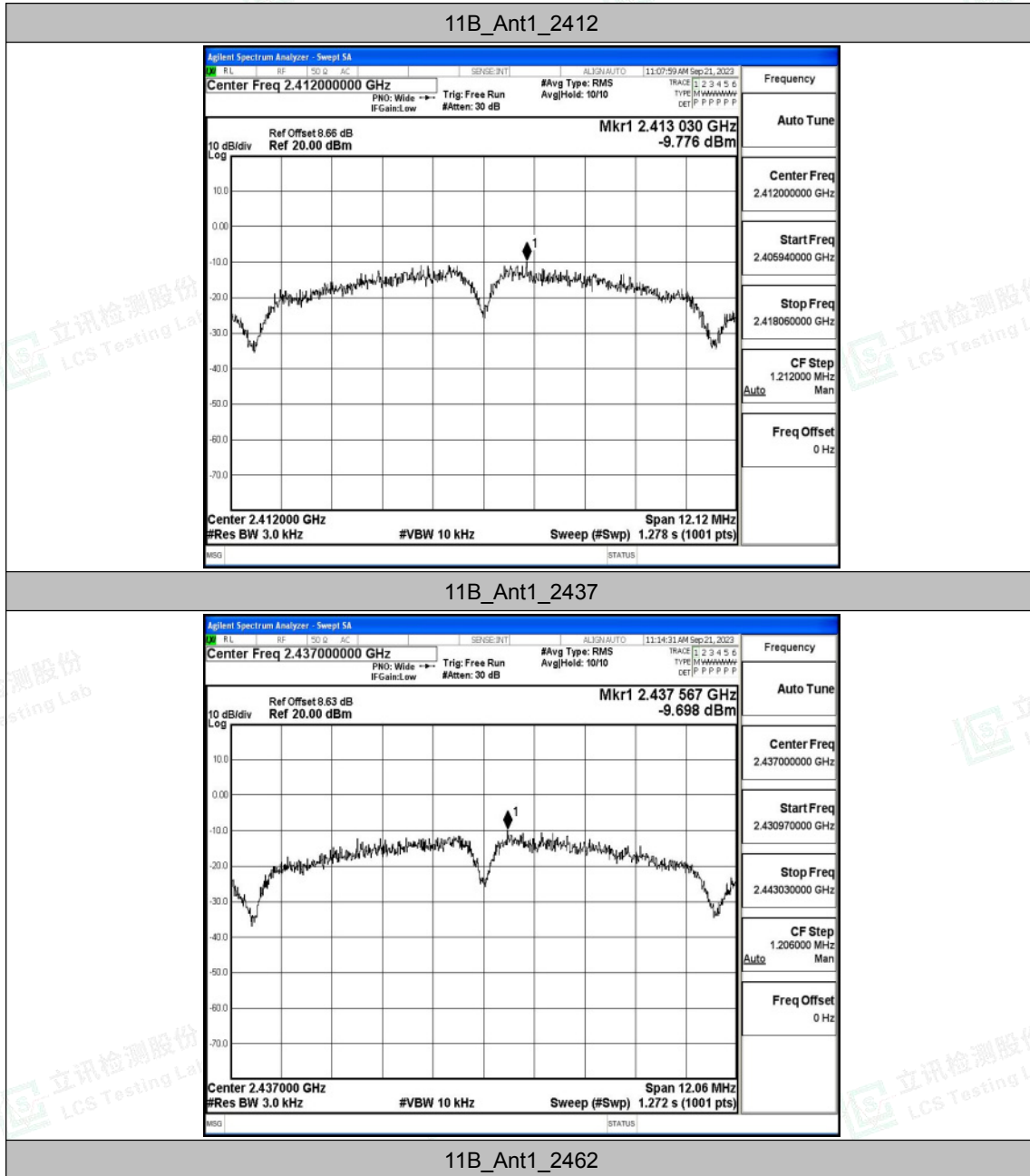
TestMode	Antenna	Freq(MHz)	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-9.78	≤8.00	PASS
		2437	-9.7	≤8.00	PASS
		2462	-10.45	≤8.00	PASS
11G	Ant1	2412	-16.95	≤8.00	PASS
		2437	-16.84	≤8.00	PASS
		2462	-15.94	≤8.00	PASS
11N20SISO	Ant1	2412	-16.79	≤8.00	PASS
		2437	-15.98	≤8.00	PASS
		2462	-17.07	≤8.00	PASS
11N40SISO	Ant1	2422	-18.97	≤8.00	PASS
		2437	-19.71	≤8.00	PASS
		2452	-18.86	≤8.00	PASS



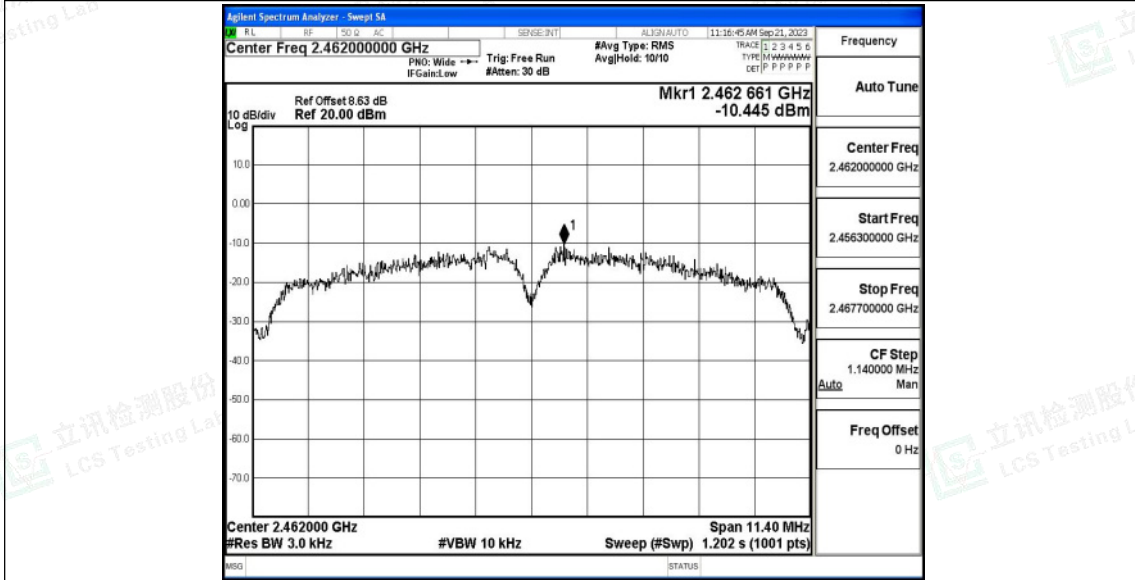
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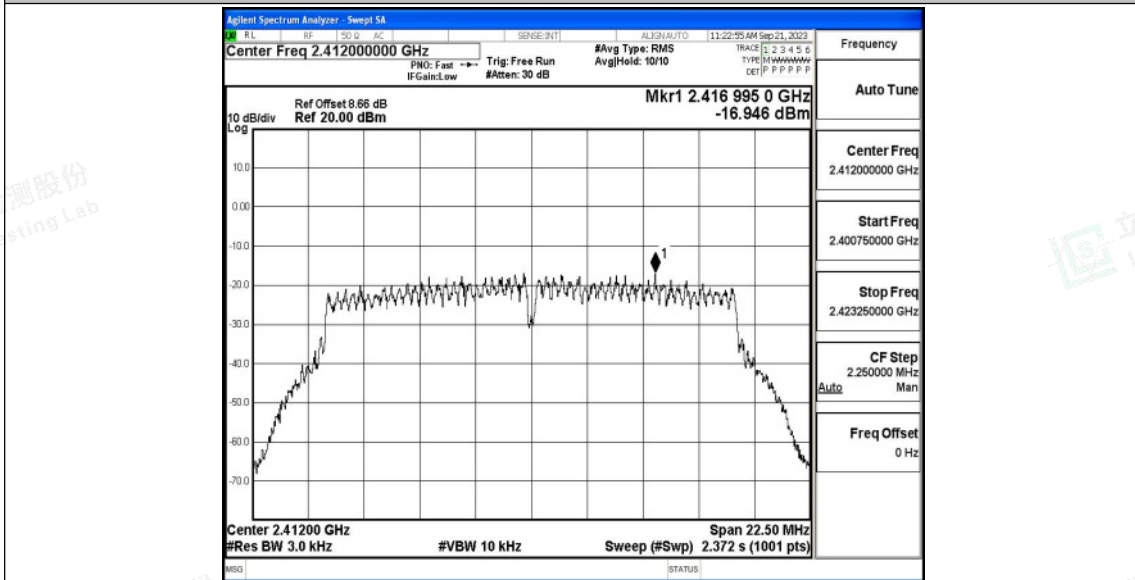
### Test Graphs



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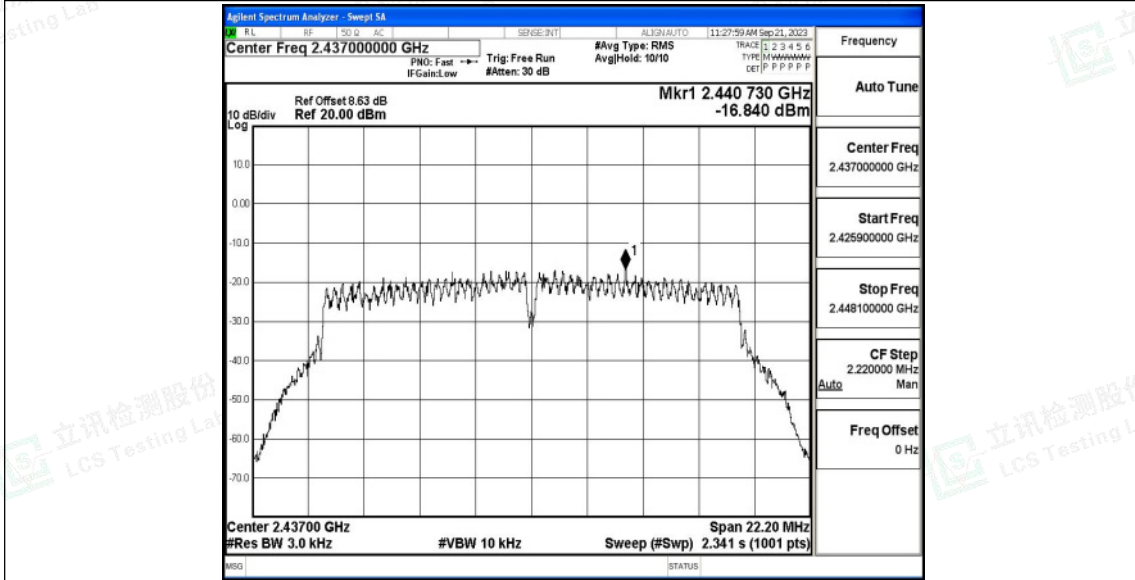
11G\_Ant1\_2412



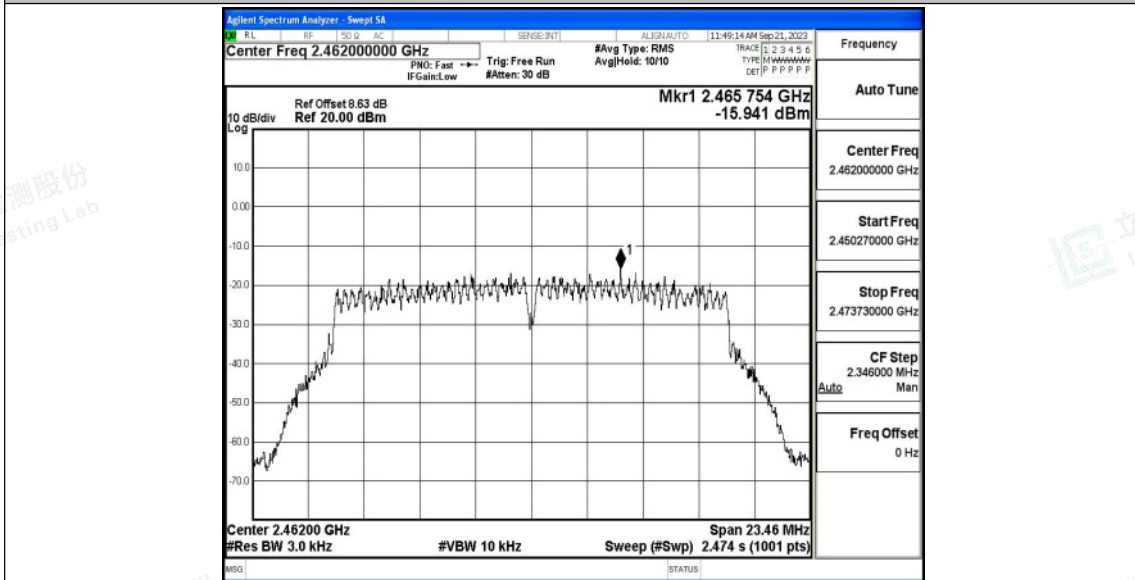
11G\_Ant1\_2437



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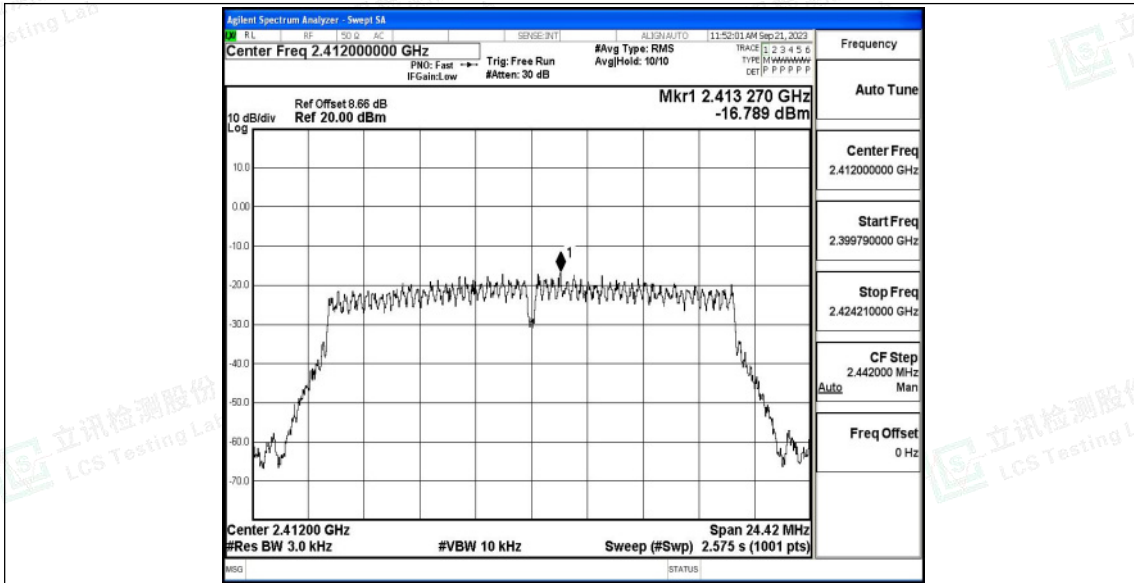


11G\_Ant1\_2462

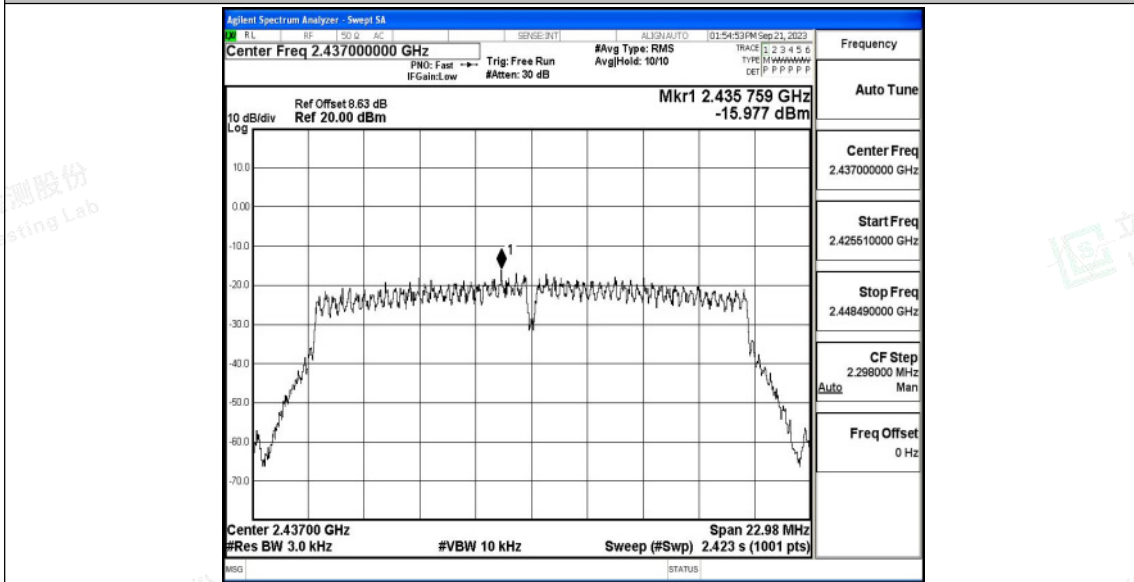


11N20SISO\_Ant1\_2412





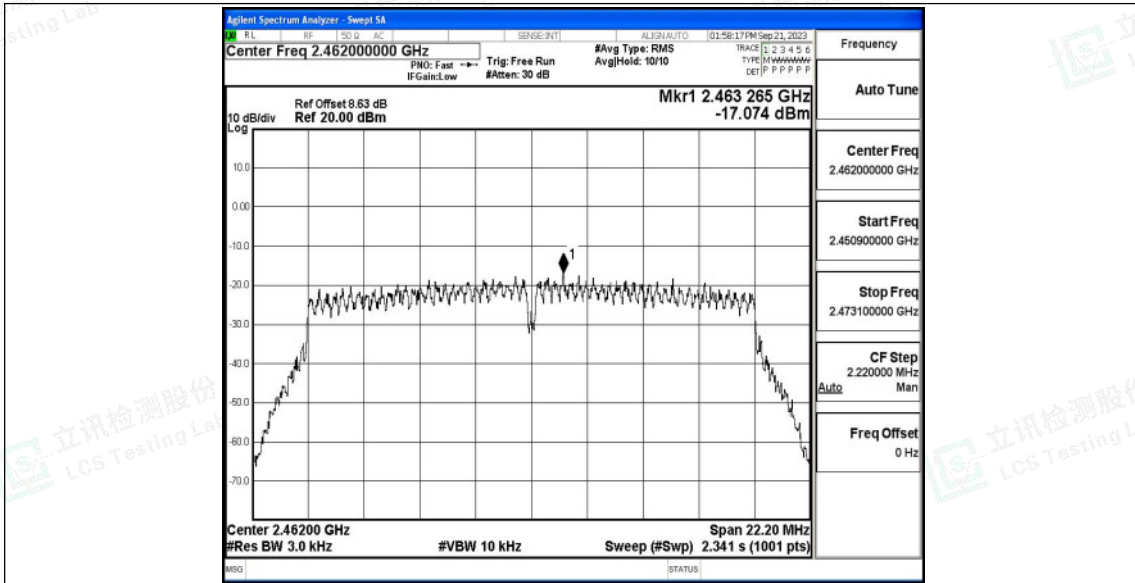
11N20SISO\_Ant1\_2437



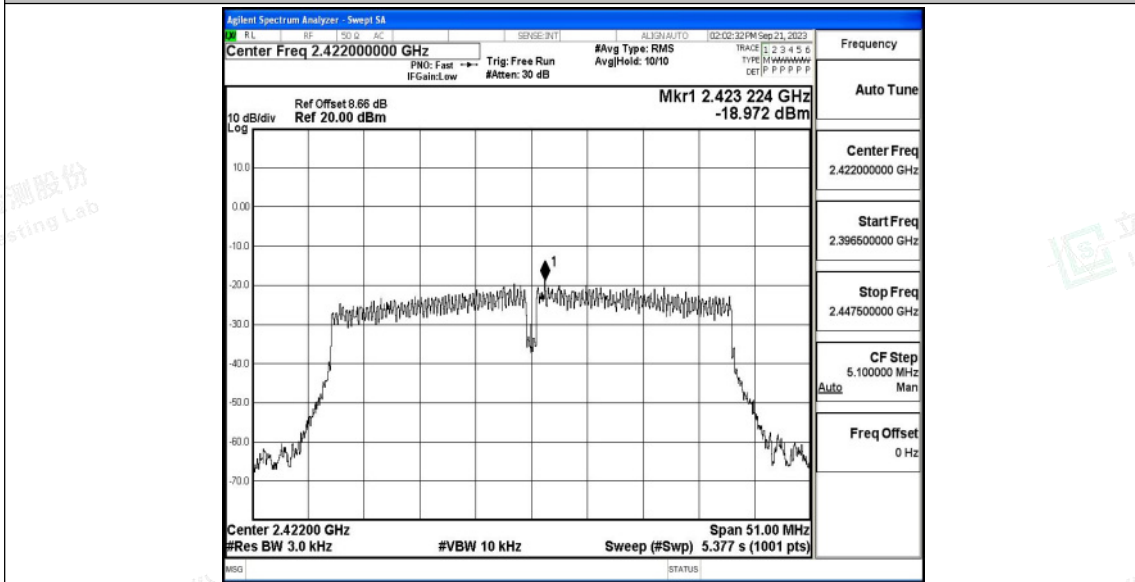
11N20SISO\_Ant1\_2462



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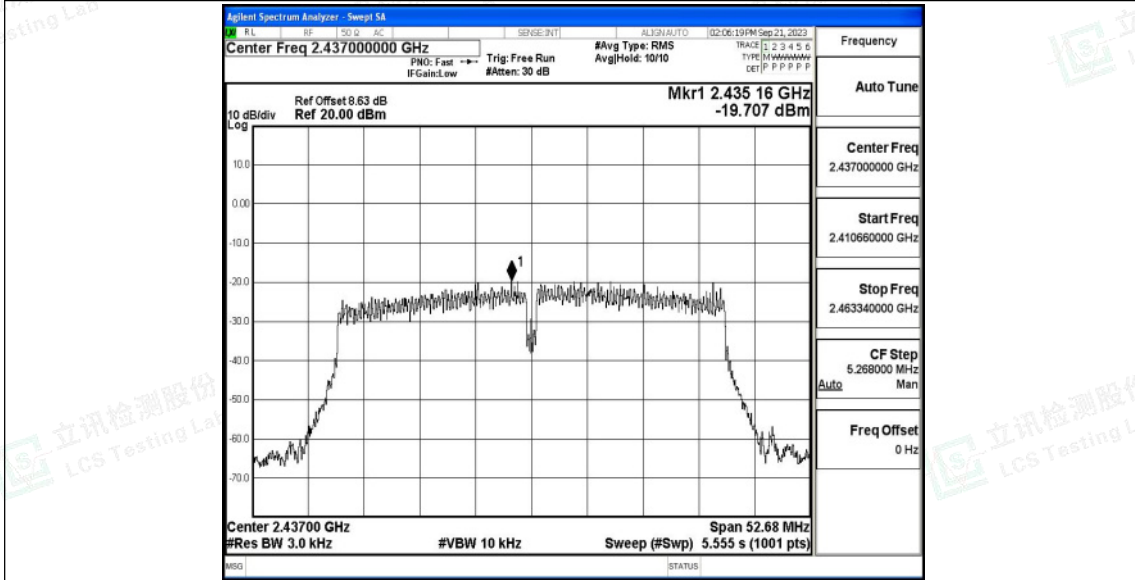
11N40SISO\_Ant1\_2422



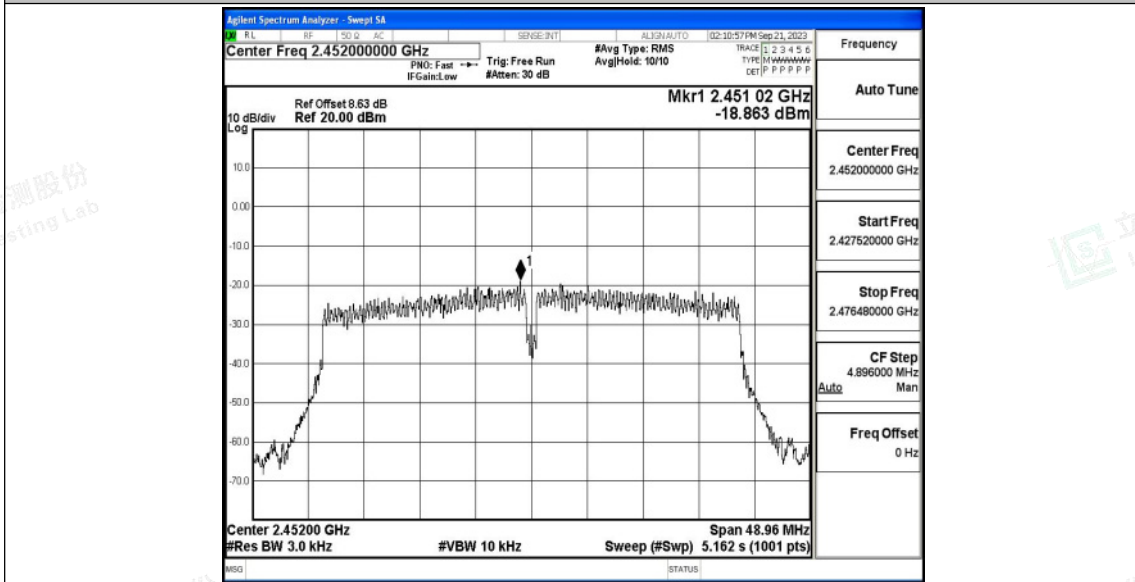
11N40SISO\_Ant1\_2437



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11N40SISO\_Ant1\_2452



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## C.4 Band edge measurements

### Test Result

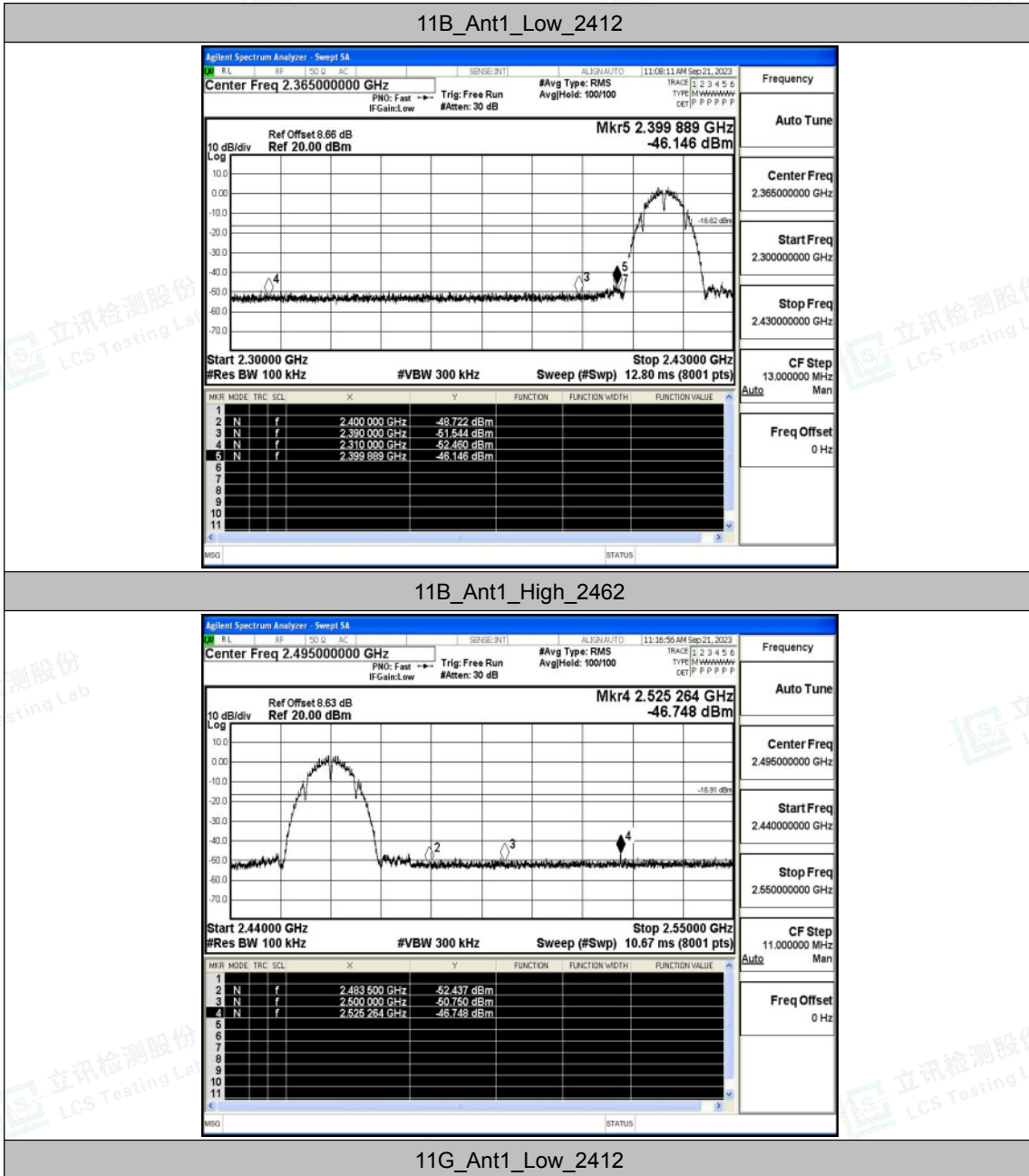
TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.38	-46.15	≤-16.62	PASS
		High	2462	3.09	-46.75	≤-16.91	PASS
11G	Ant1	Low	2412	-2.82	-46.54	≤-22.82	PASS
		High	2462	-4.06	-46.89	≤-24.06	PASS
11N20SISO	Ant1	Low	2412	-3.36	-46.57	≤-23.36	PASS
		High	2462	-5.20	-47.98	≤-25.2	PASS
11N40SISO	Ant1	Low	2422	-5.36	-47.39	≤-25.36	PASS
		High	2452	-5.63	-47.33	≤-25.63	PASS



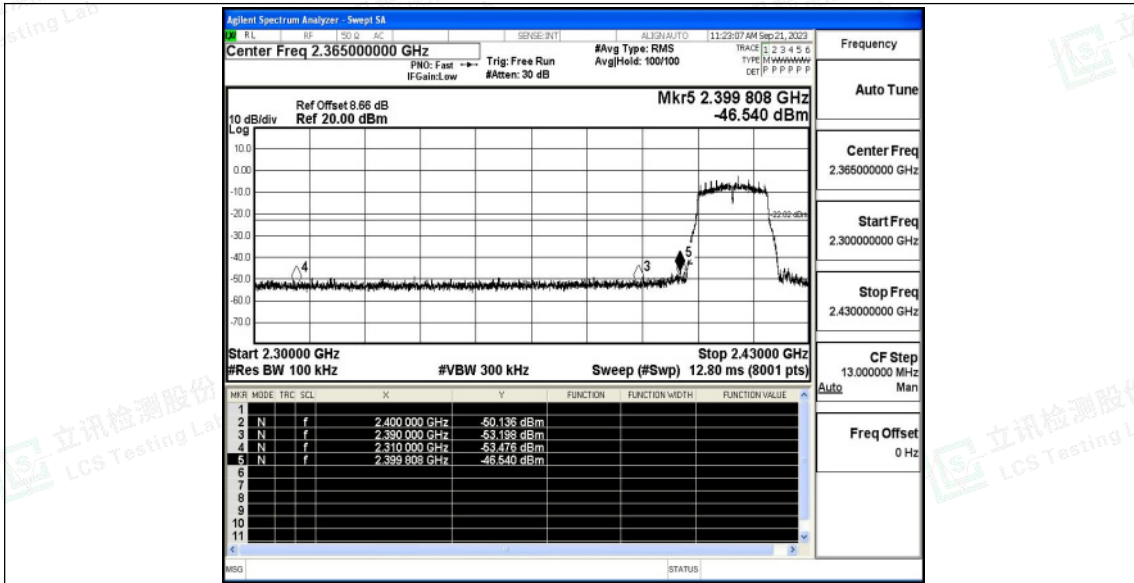
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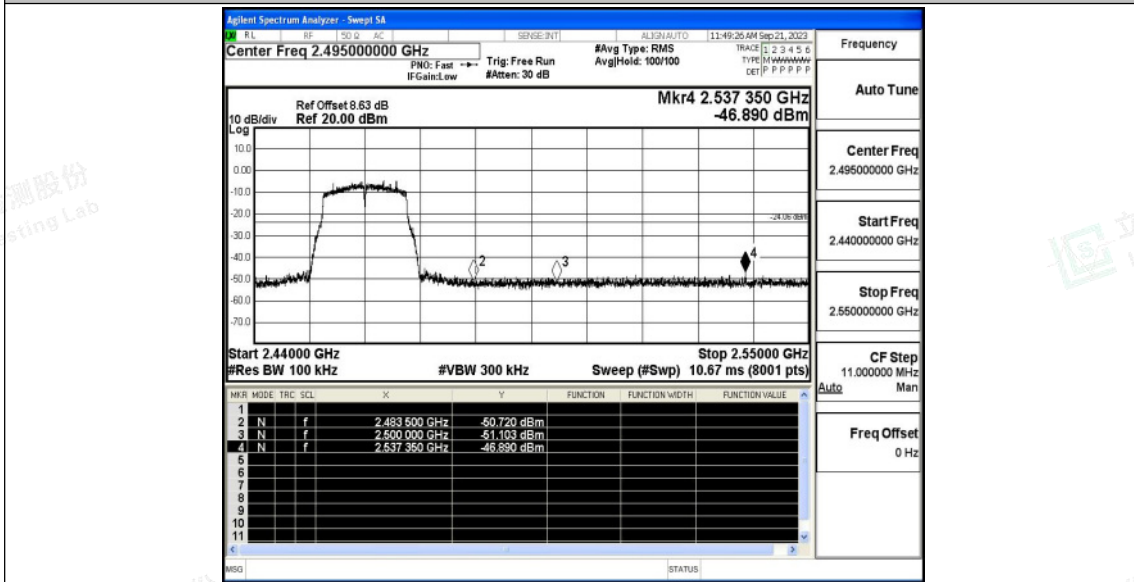
### Test Graphs



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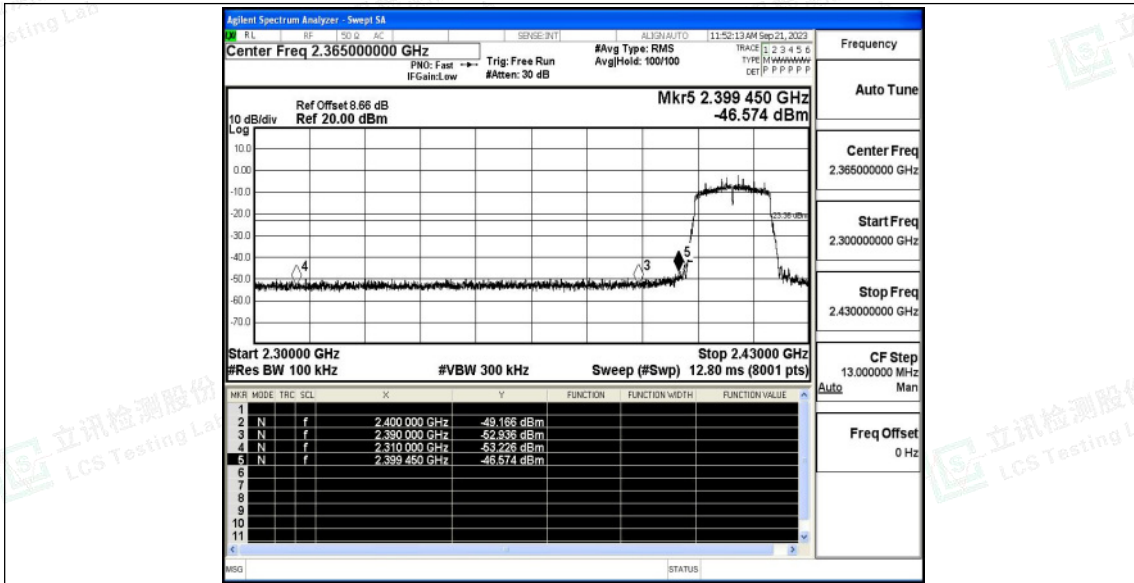
11G\_Ant1\_High\_2462



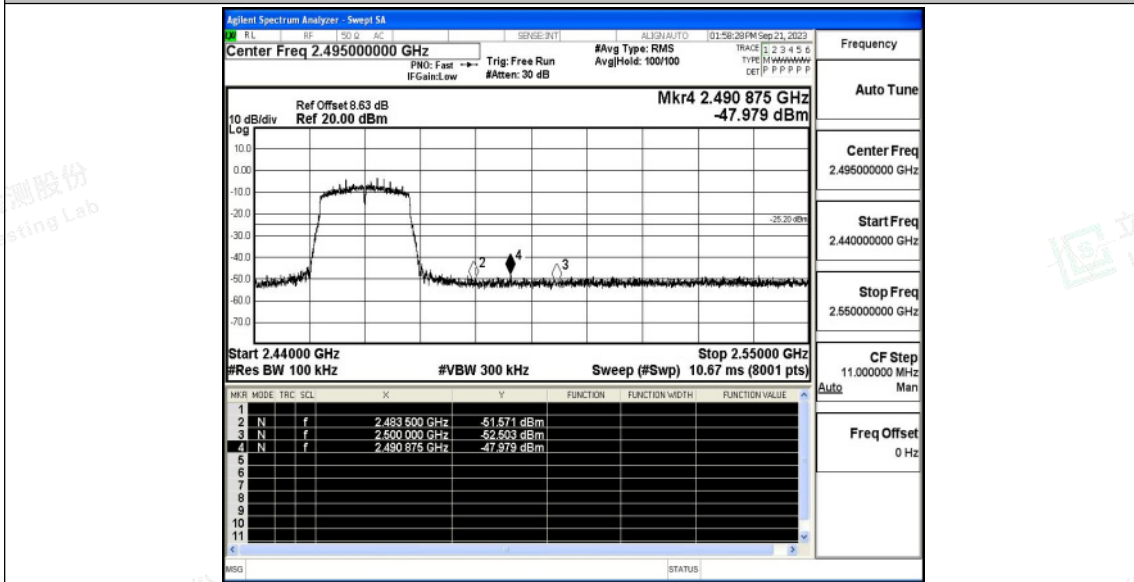
11N20SISO\_Ant1\_Low\_2412



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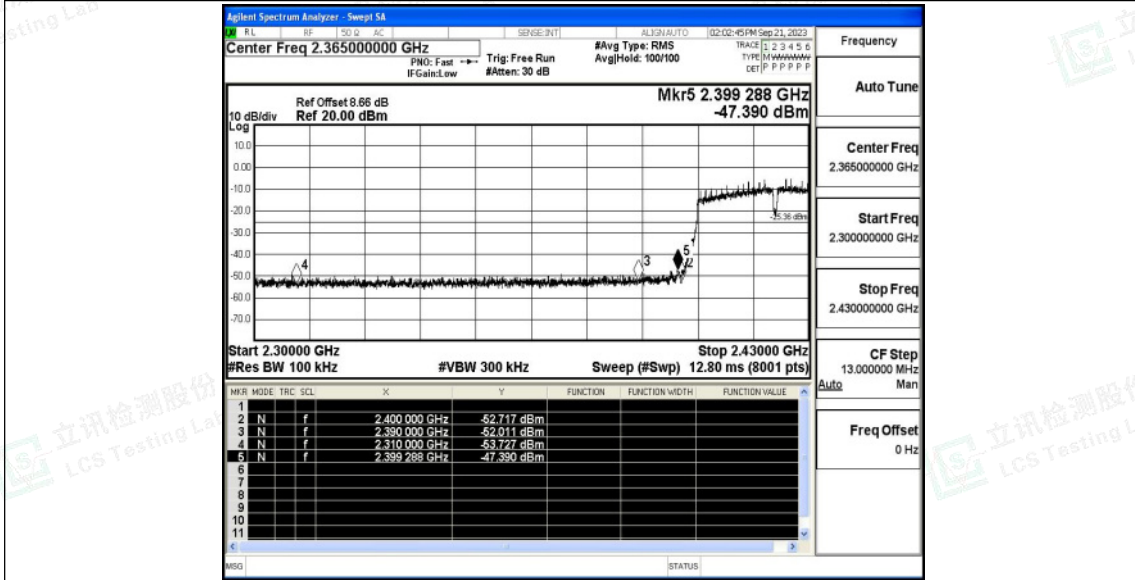
11N20SISO\_Ant1\_High\_2462



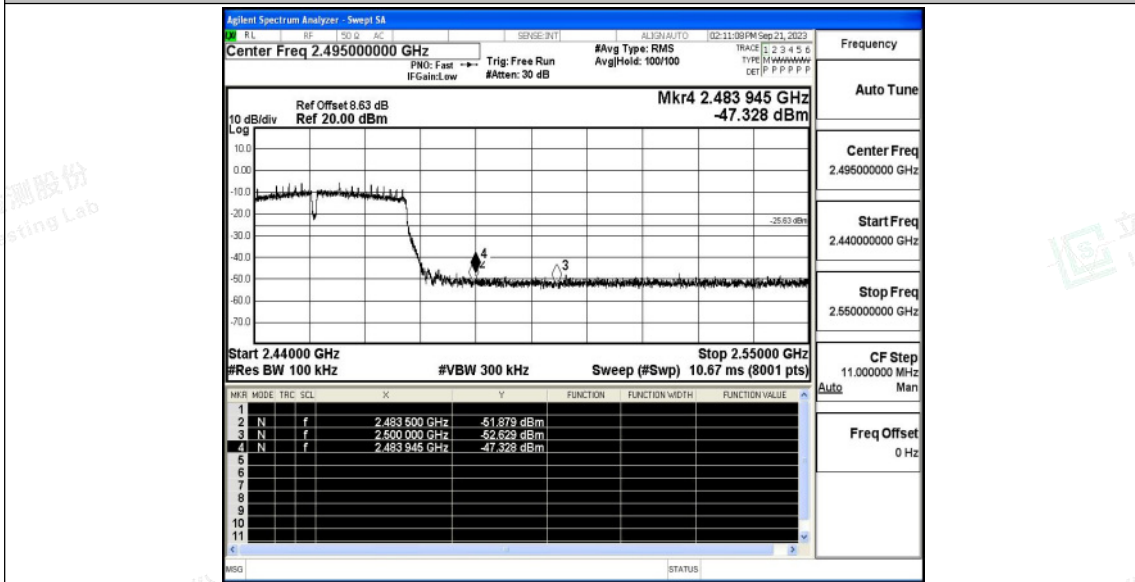
11N40SISO\_Ant1\_Low\_2422



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11N40SISO\_Ant1\_High\_2452



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## C.5 Conducted Spurious Emission

### Test Result

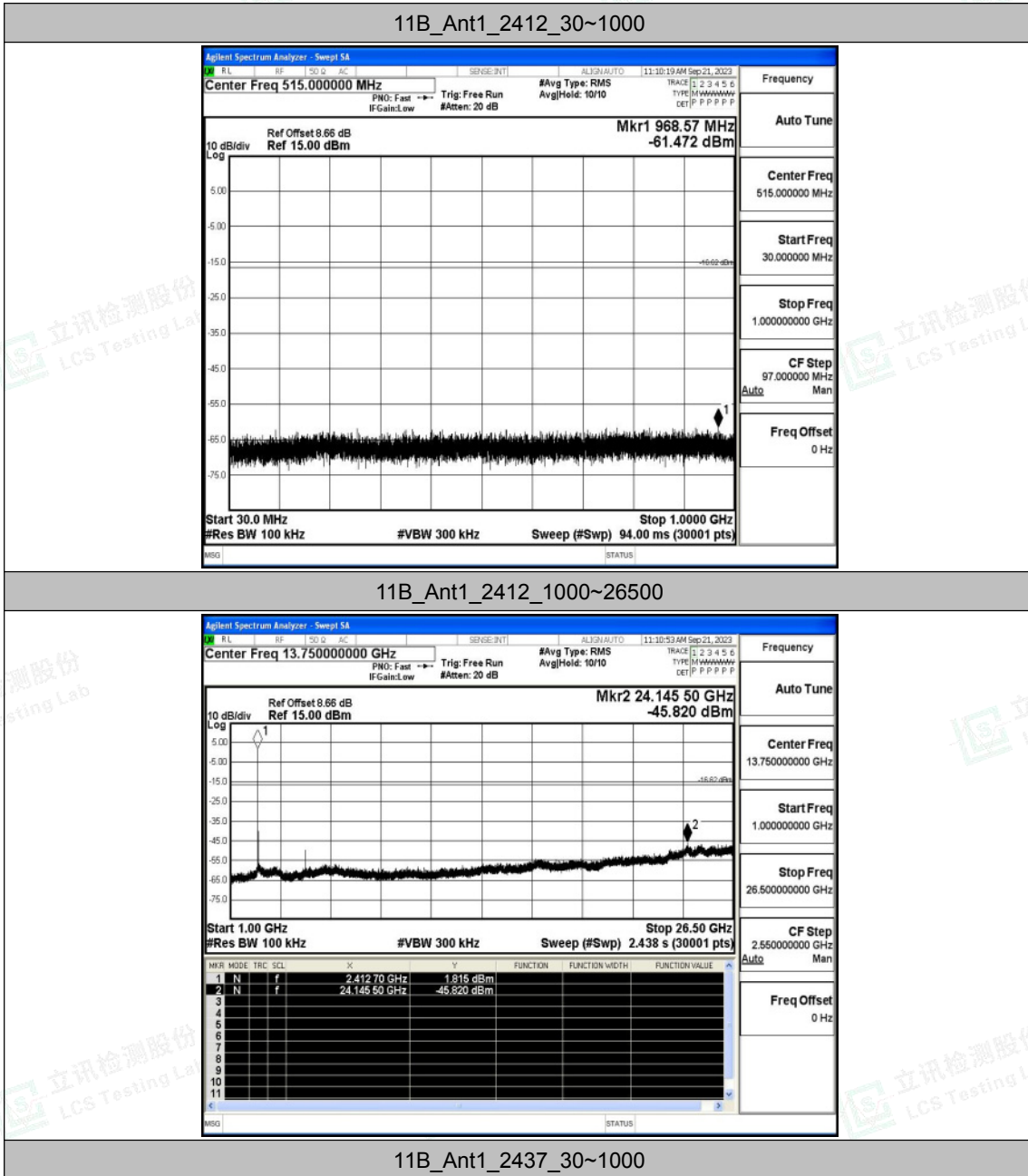
TestMode	Antenna	Freq(MHz)	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~1000	3.38	-61.47	≤-16.62	PASS
			1000~26500	3.38	-45.82	≤-16.62	PASS
		2437	30~1000	3.24	-61.1	≤-16.76	PASS
			1000~26500	3.24	-46.38	≤-16.76	PASS
		2462	30~1000	3.09	-61.03	≤-16.91	PASS
			1000~26500	3.09	-46.66	≤-16.91	PASS
11G	Ant1	2412	30~1000	-2.82	-60.51	≤-22.82	PASS
			1000~26500	-2.82	-46.73	≤-22.82	PASS
		2437	30~1000	-3.83	-60.98	≤-23.83	PASS
			1000~26500	-3.83	-46.43	≤-23.83	PASS
		2462	30~1000	-4.06	-60.56	≤-24.06	PASS
			1000~26500	-4.06	-46.43	≤-24.06	PASS
11N20SISO	Ant1	2412	30~1000	-3.36	-61	≤-23.36	PASS
			1000~26500	-3.36	-46.64	≤-23.36	PASS
		2437	30~1000	-3.73	-60.48	≤-23.73	PASS
			1000~26500	-3.73	-46.75	≤-23.73	PASS
		2462	30~1000	-5.20	-61.6	≤-25.2	PASS
			1000~26500	-5.20	-46.93	≤-25.2	PASS
11N40SISO	Ant1	2422	30~1000	-5.36	-61.47	≤-25.36	PASS
			1000~26500	-5.36	-45.03	≤-25.36	PASS
		2437	30~1000	-5.65	-60.75	≤-25.65	PASS
			1000~26500	-5.65	-46.21	≤-25.65	PASS
		2452	30~1000	-5.63	-60.9	≤-25.63	PASS
			1000~26500	-5.63	-45.64	≤-25.63	PASS



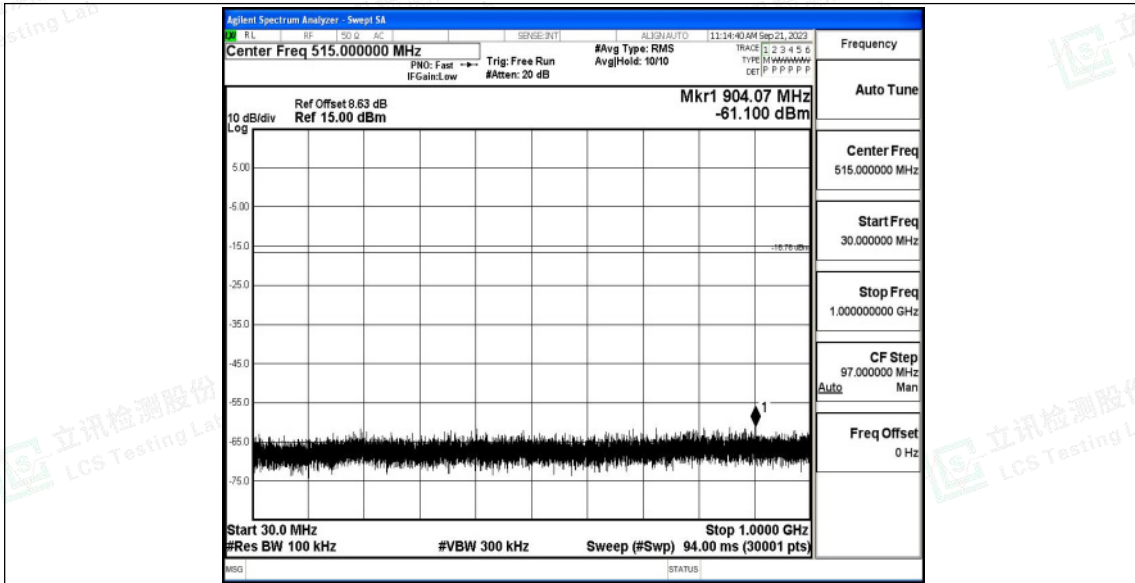
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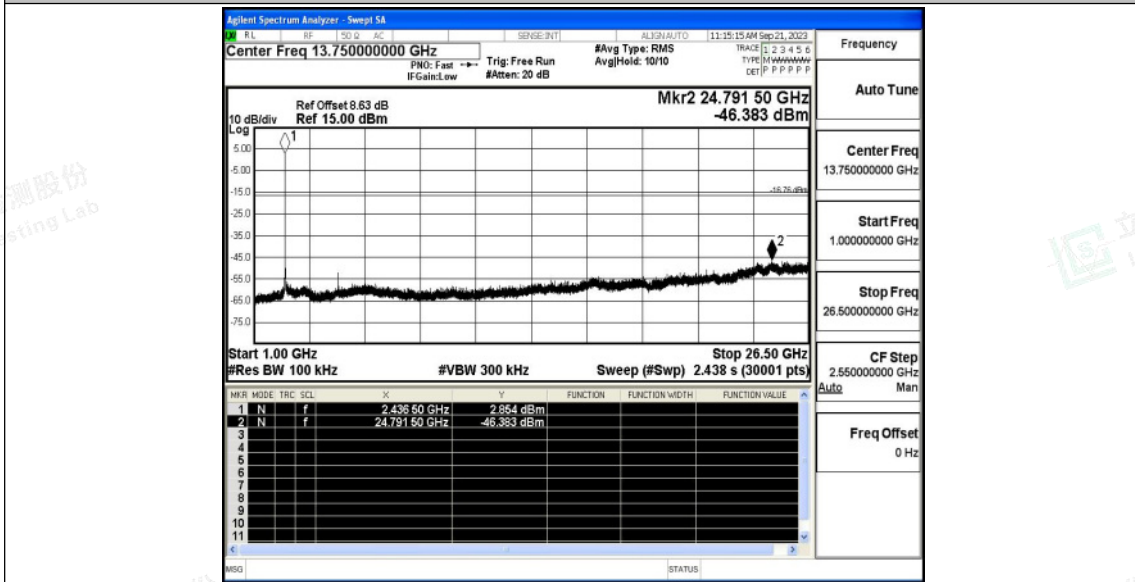
### Test Graphs



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11B\_Ant1\_2437\_1000~26500

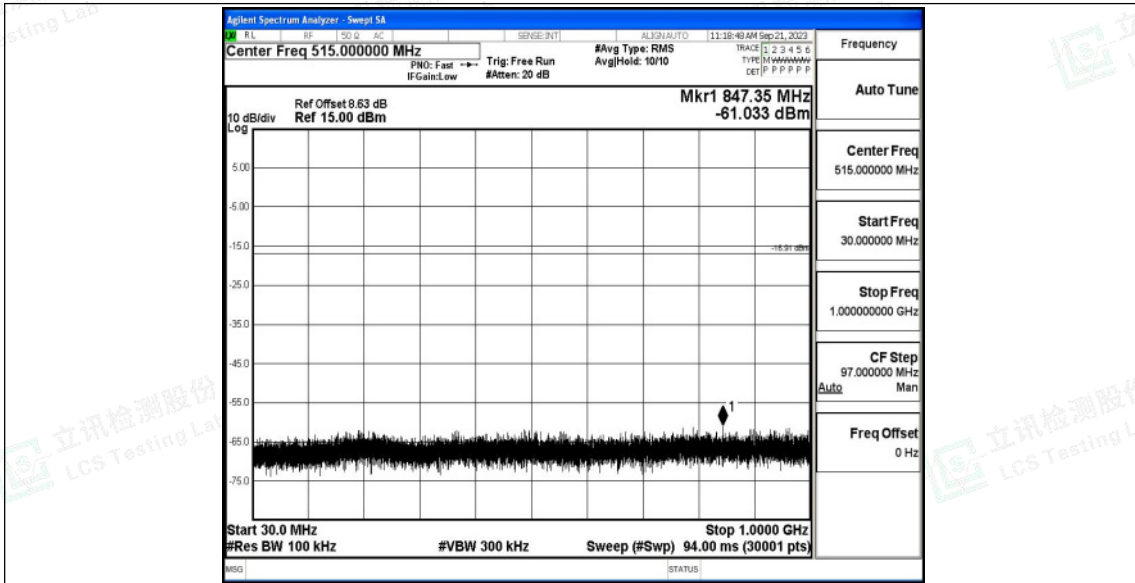


11B\_Ant1\_2462\_30~1000

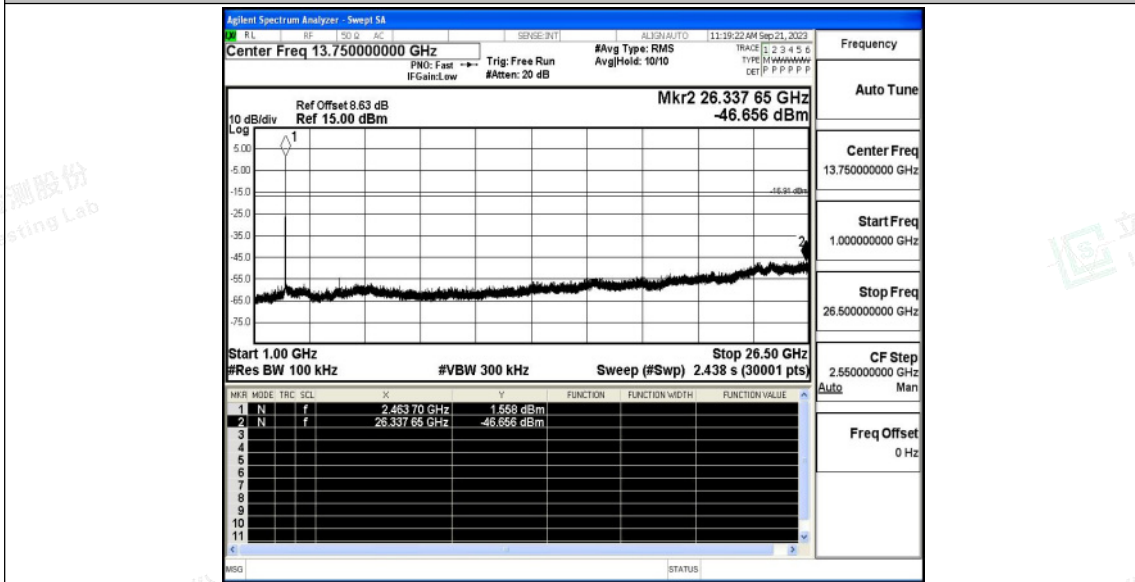


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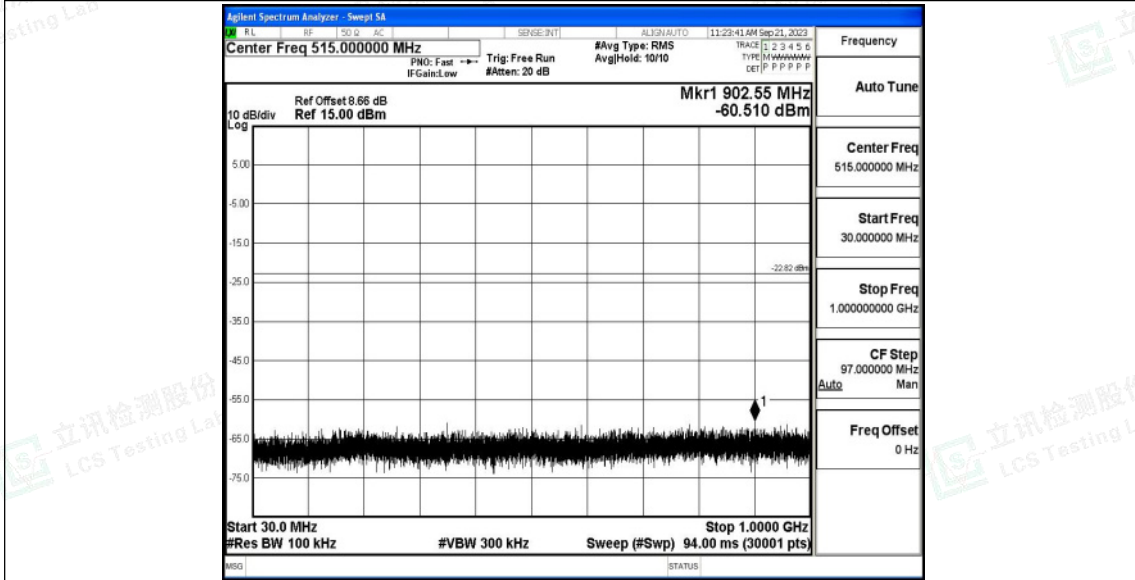
11B\_Ant1\_2462\_1000~26500



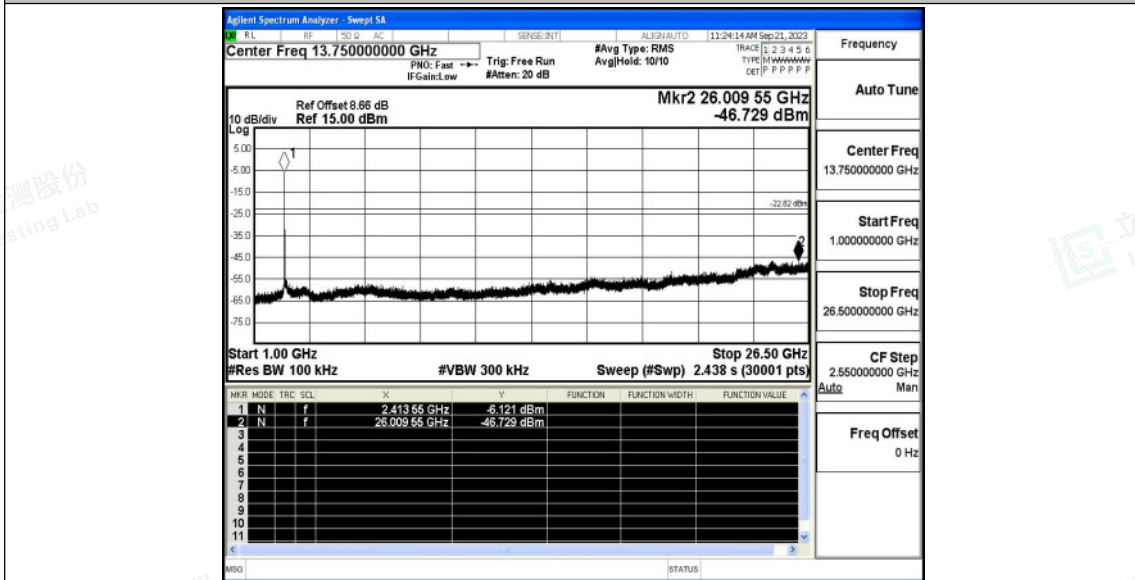
11G\_Ant1\_2412\_30~1000



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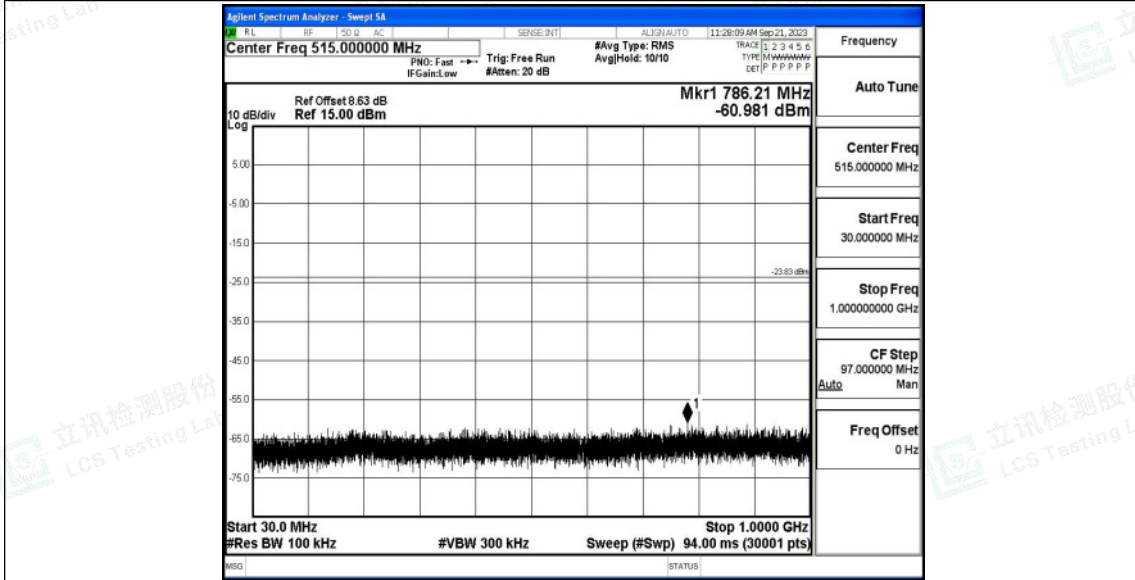
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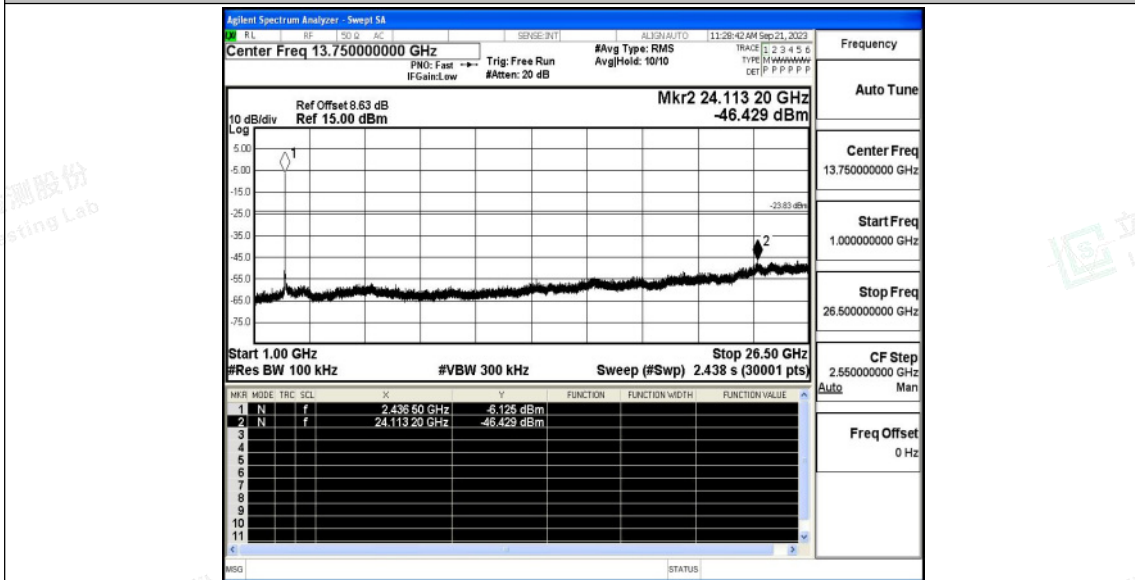
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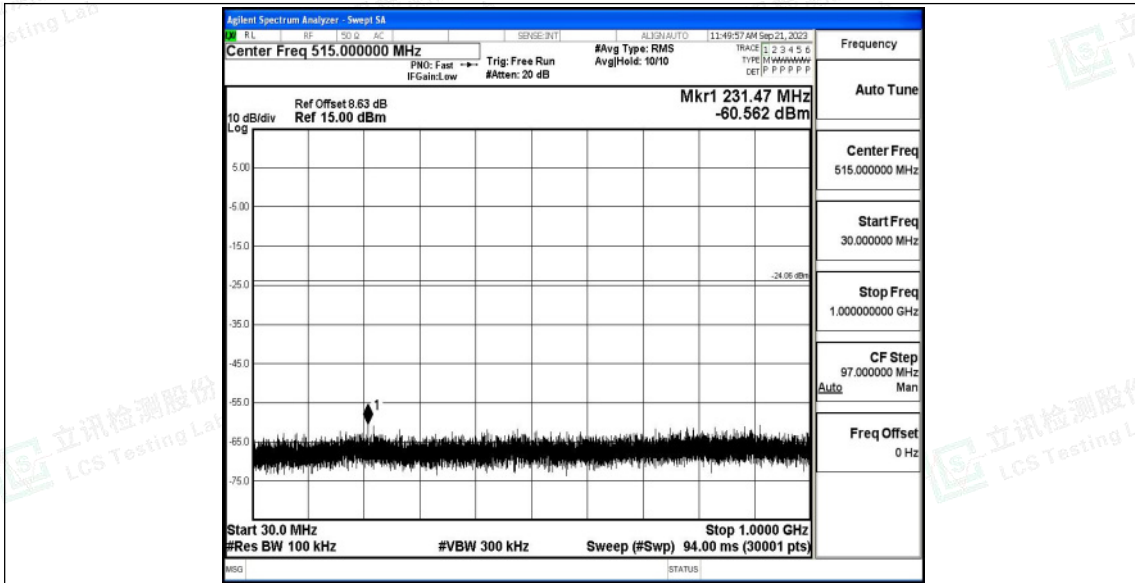
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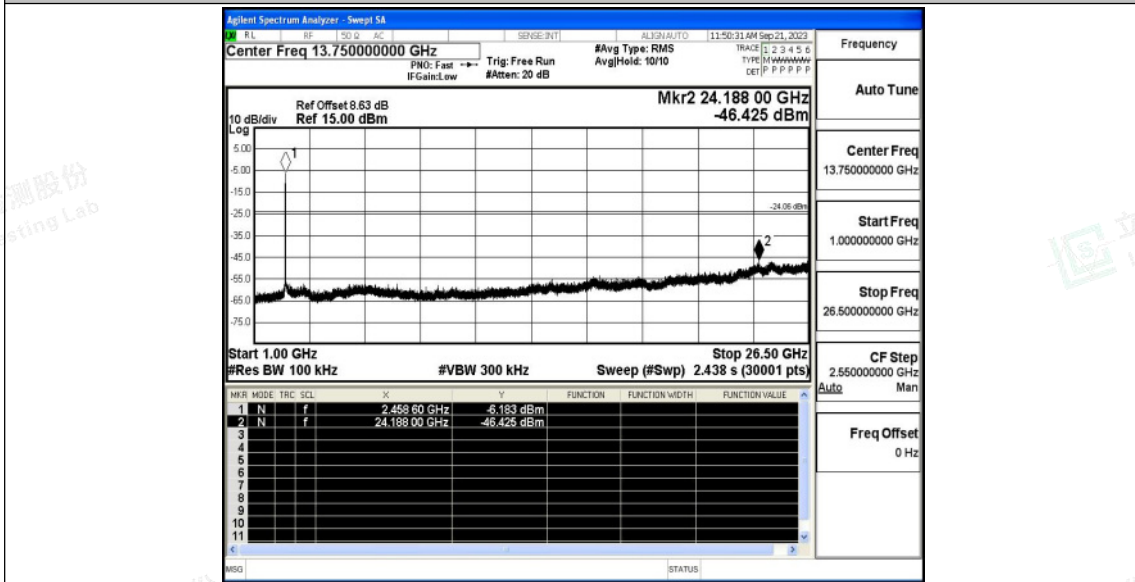
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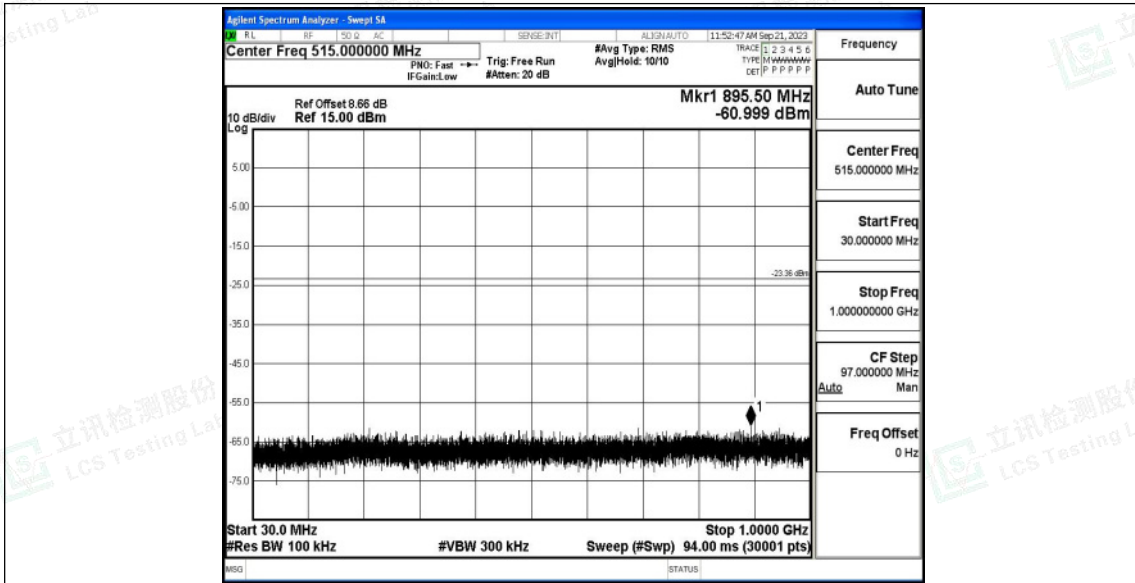
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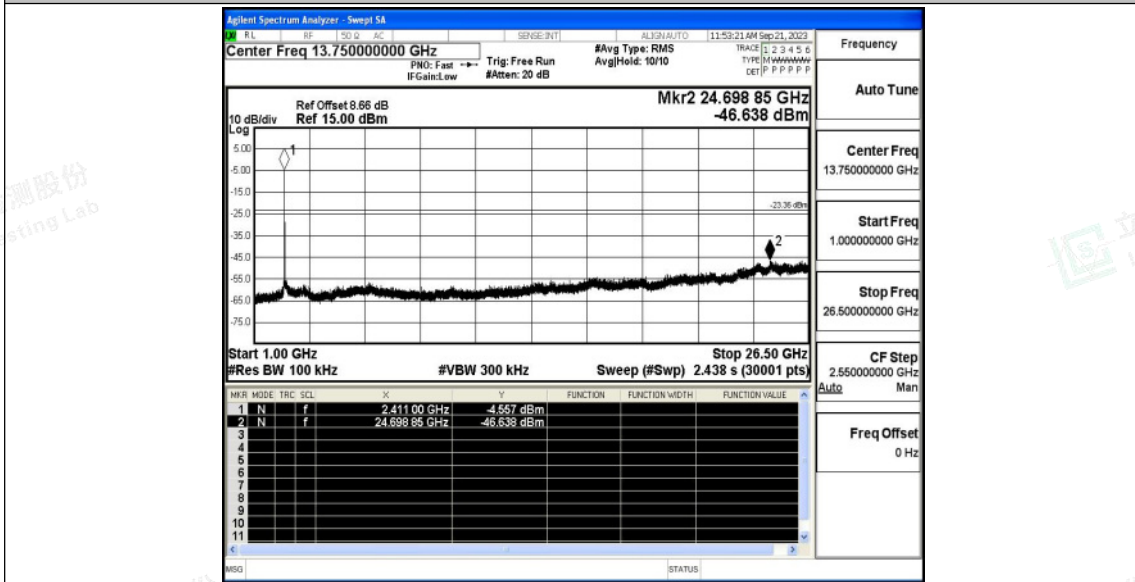
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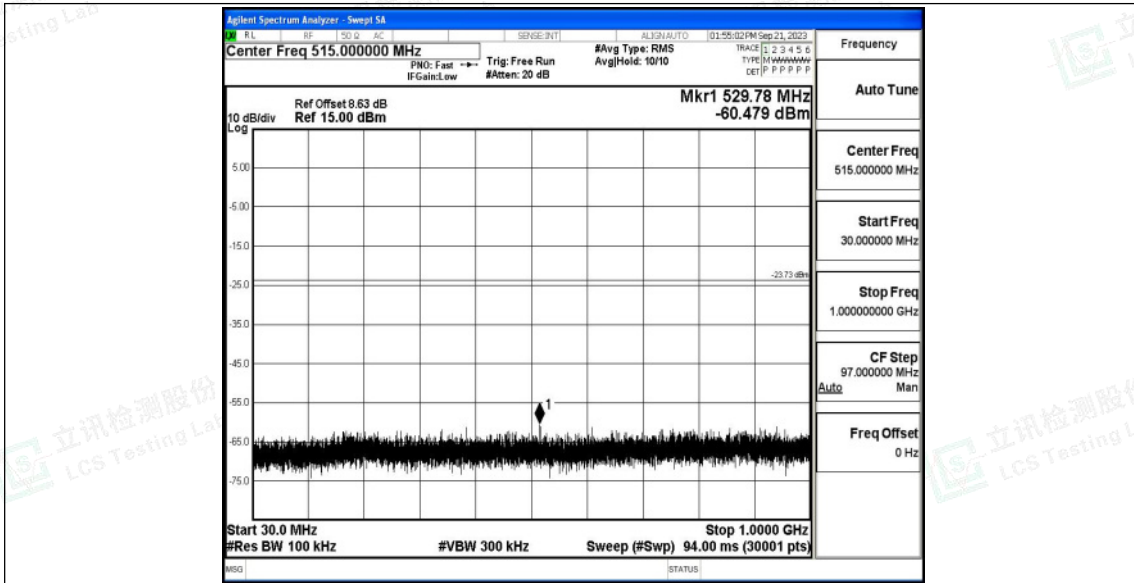
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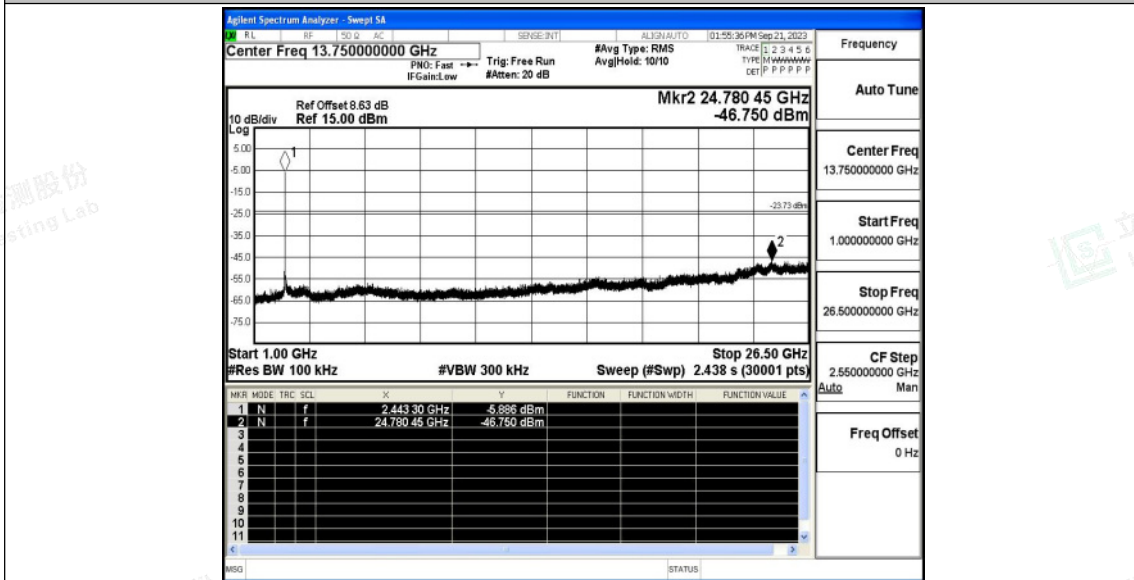
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