



## Appendix C

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

**Product Name: Tablet PC**

**Test Model: T10\_Pro**

#### Environmental Conditions

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

### C.1 DTS Bandwidth

#### Test Result

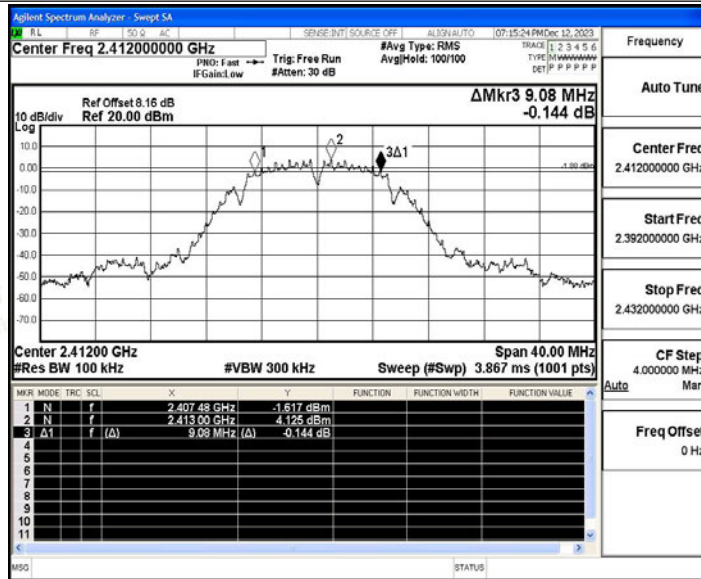
TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.480	2416.560	0.5	PASS
		2437	9.560	2432.440	2442.000	0.5	PASS
		2462	9.560	2457.440	2467.000	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.400	2453.800	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.560	2453.200	2470.760	0.5	PASS
11N40SISO	Ant1	2422	35.600	2404.240	2439.840	0.5	PASS
		2437	36.080	2419.080	2455.160	0.5	PASS
		2452	36.000	2434.080	2470.080	0.5	PASS



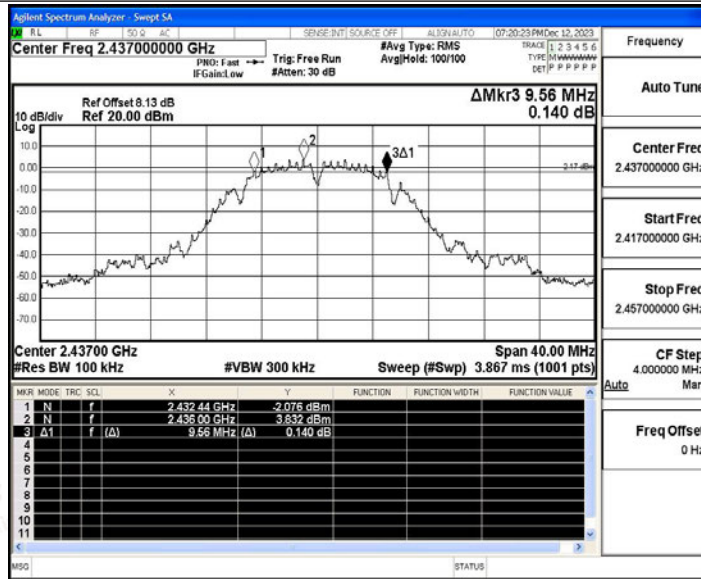


### Test Graphs

11B\_Ant1\_2412

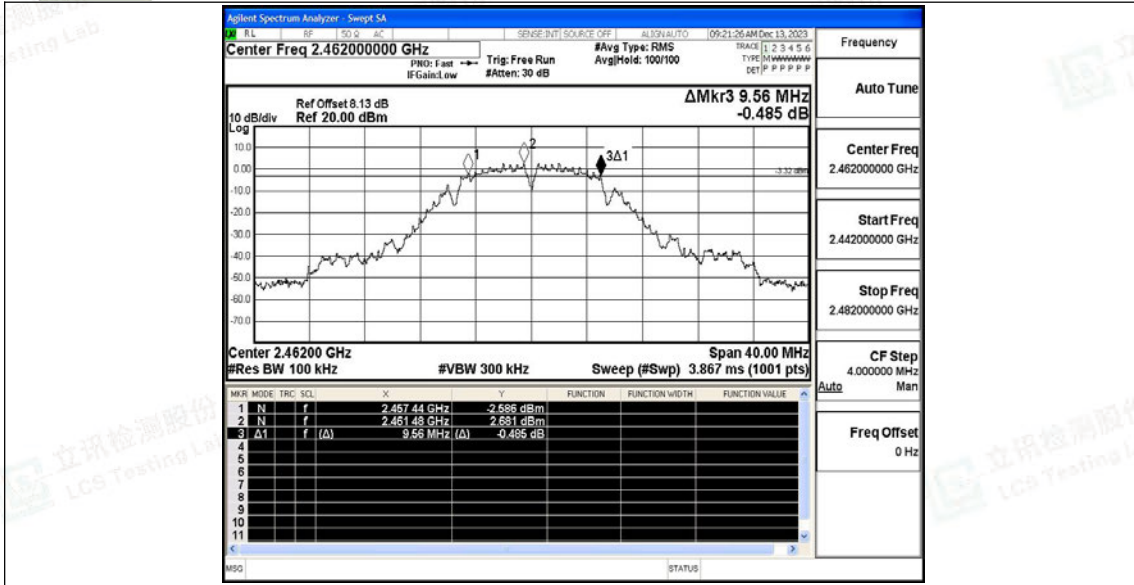


11B\_Ant1\_2437

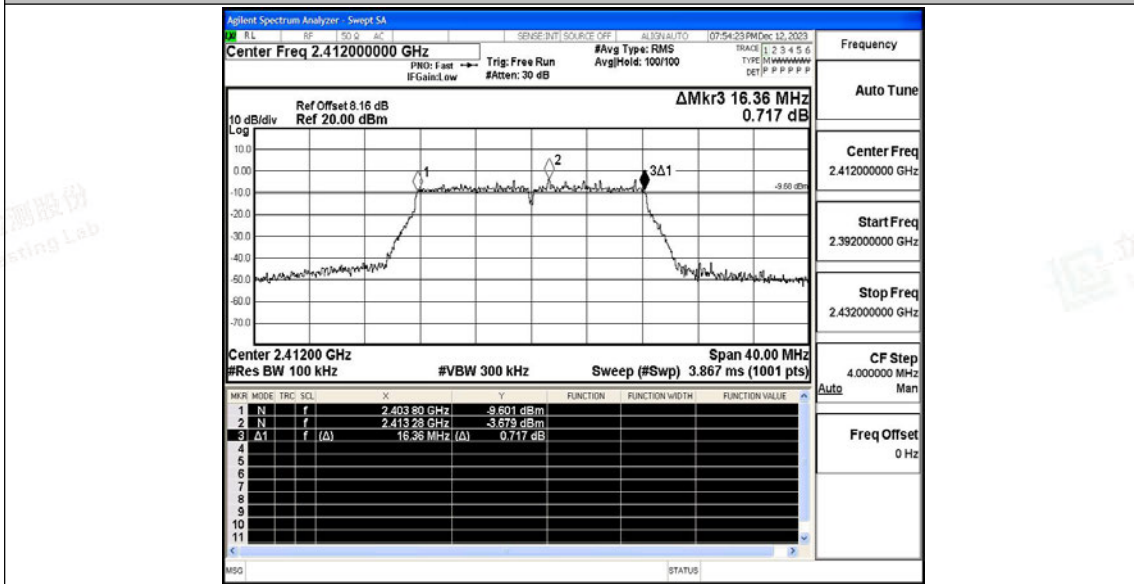


11B\_Ant1\_2462



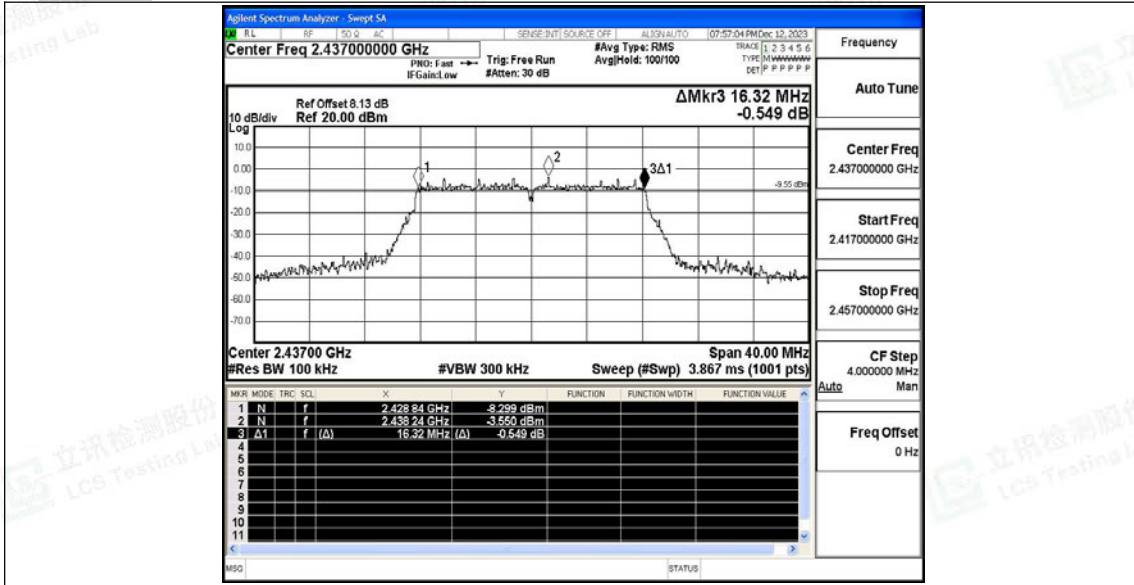


11G\_Ant1\_2412

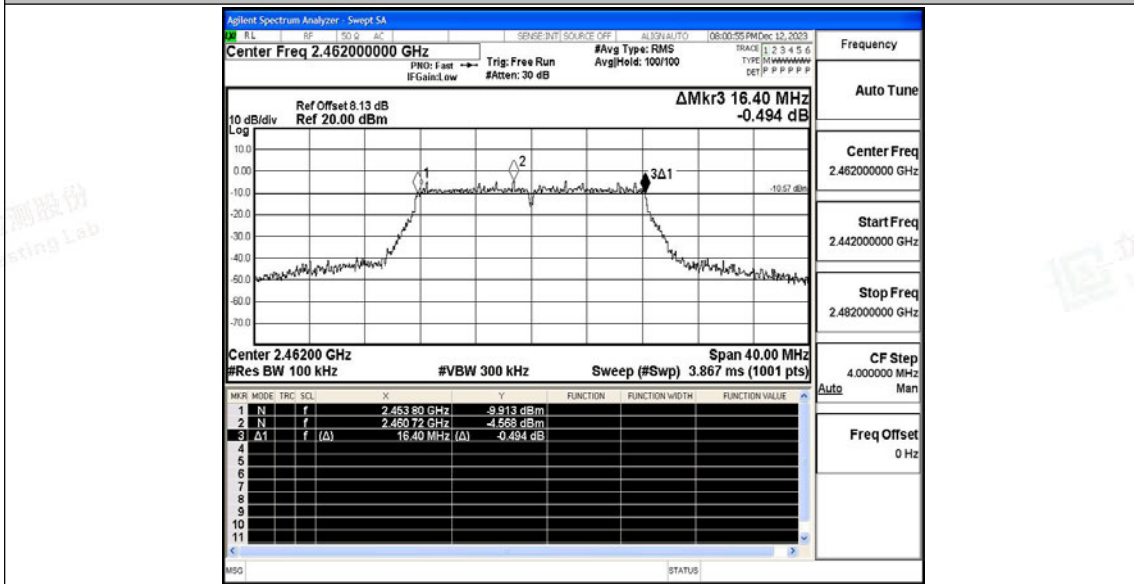


11G\_Ant1\_2437



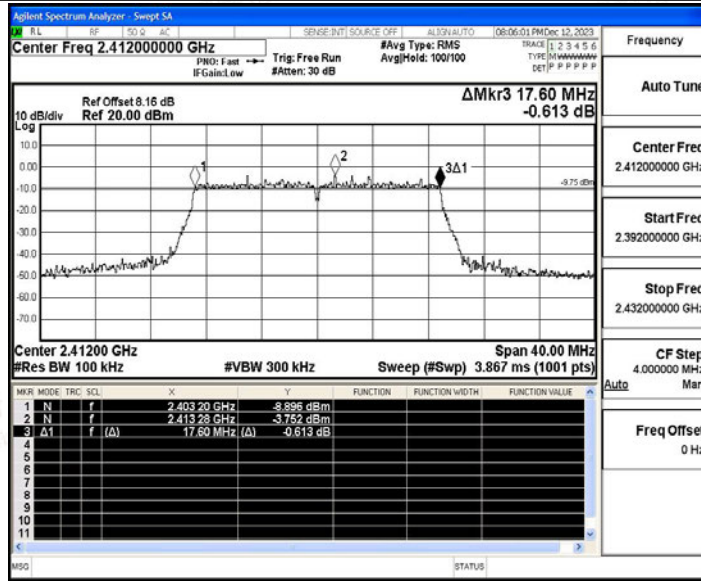


11G\_Ant1\_2462

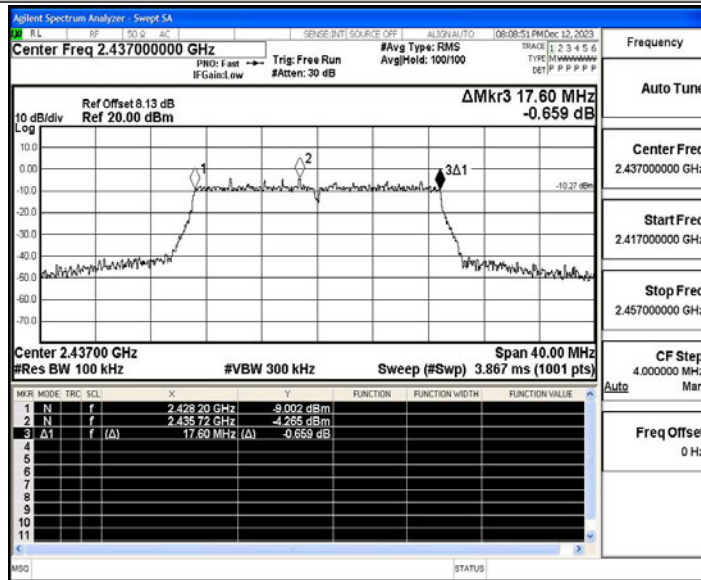


11N20SISO\_Ant1\_2412





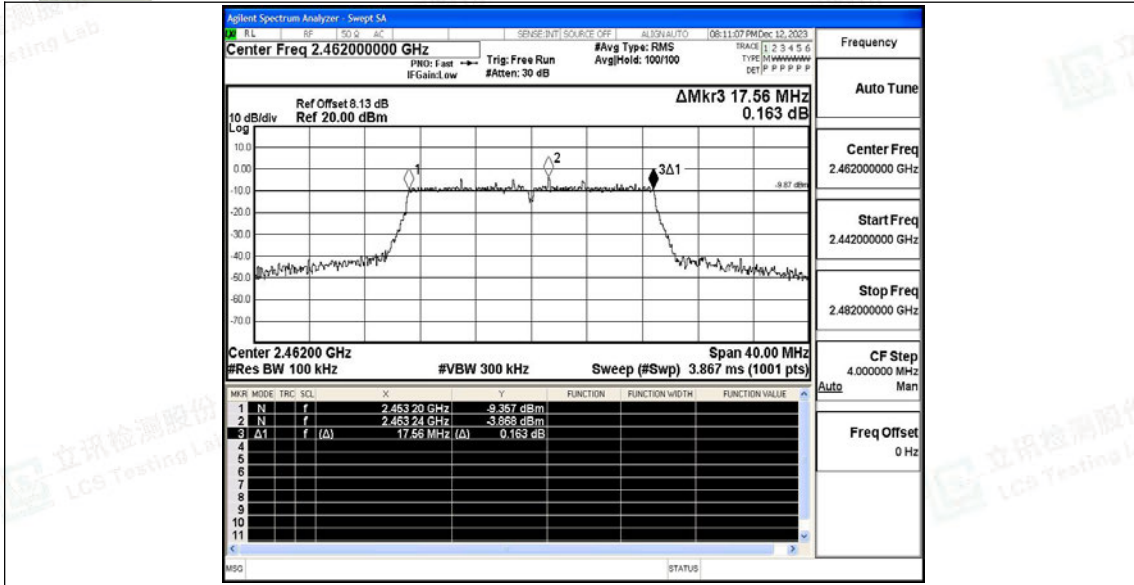
11N20SISO\_Ant1\_2437



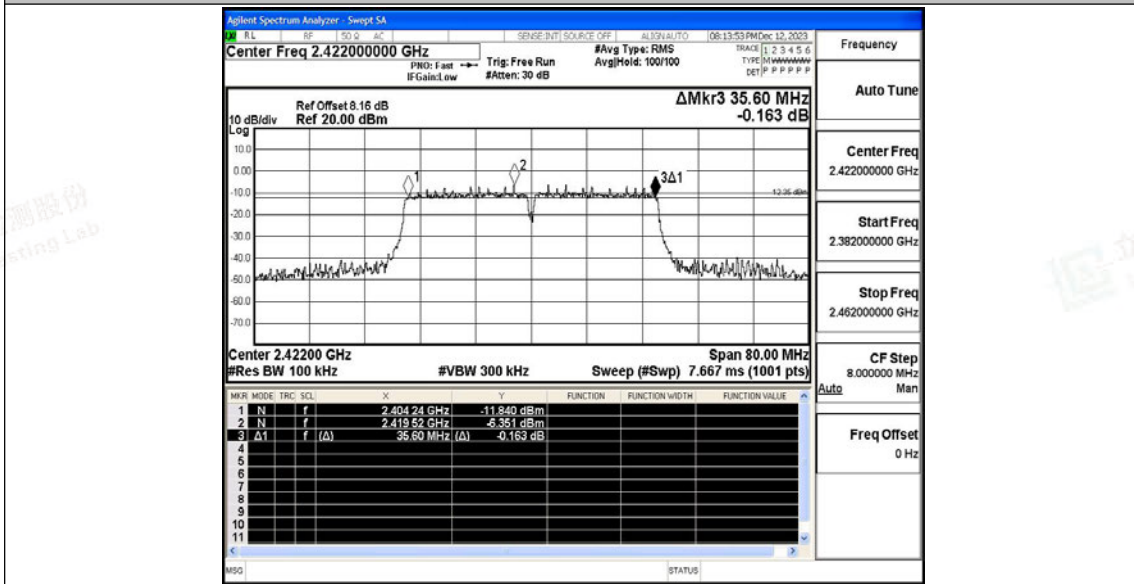
11N20SISO\_Ant1\_2462





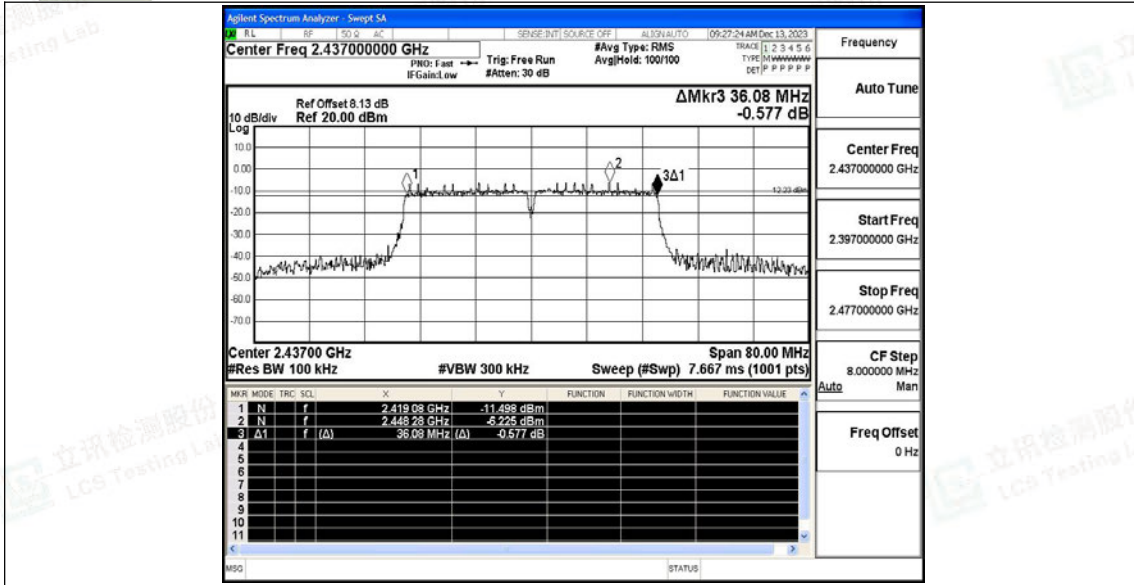


11N40SISO\_Ant1\_2422

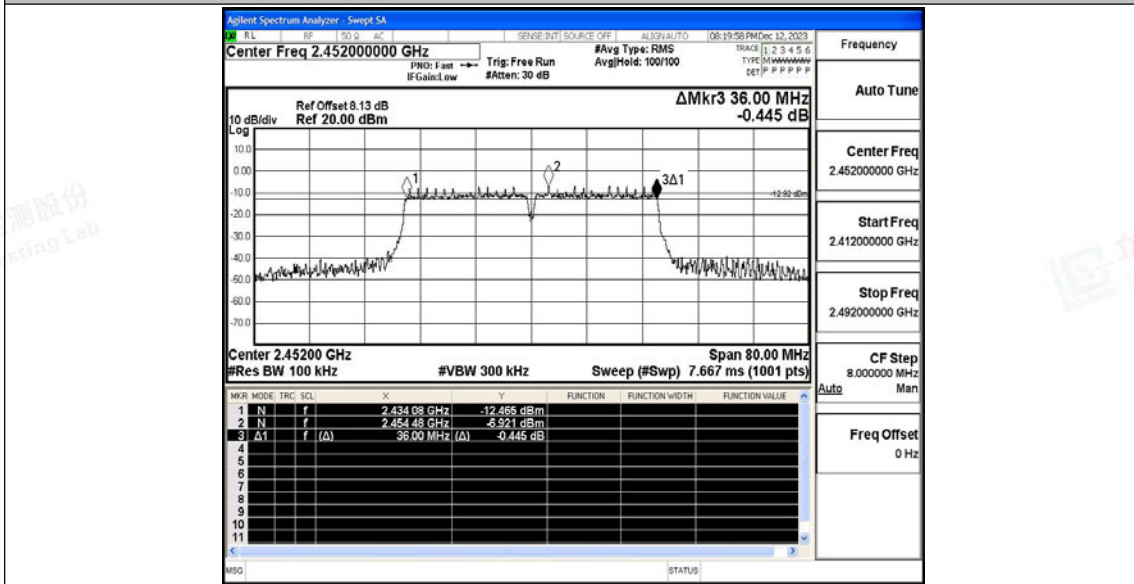


11N40SISO\_Ant1\_2437





11N40SISO\_Ant1\_2452





## C.2 Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Freq(MHz)	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	15.70	≤30.00	PASS
		2437	15.48	≤30.00	PASS
		2462	15.12	≤30.00	PASS
11G	Ant1	2412	14.11	≤30.00	PASS
		2437	13.85	≤30.00	PASS
		2462	13.45	≤30.00	PASS
11N20SISO	Ant1	2412	14.09	≤30.00	PASS
		2437	13.83	≤30.00	PASS
		2462	13.54	≤30.00	PASS
11N40SISO	Ant1	2422	14.12	≤30.00	PASS
		2437	14.39	≤30.00	PASS
		2452	13.78	≤30.00	PASS







### C.3 Maximum power spectral density

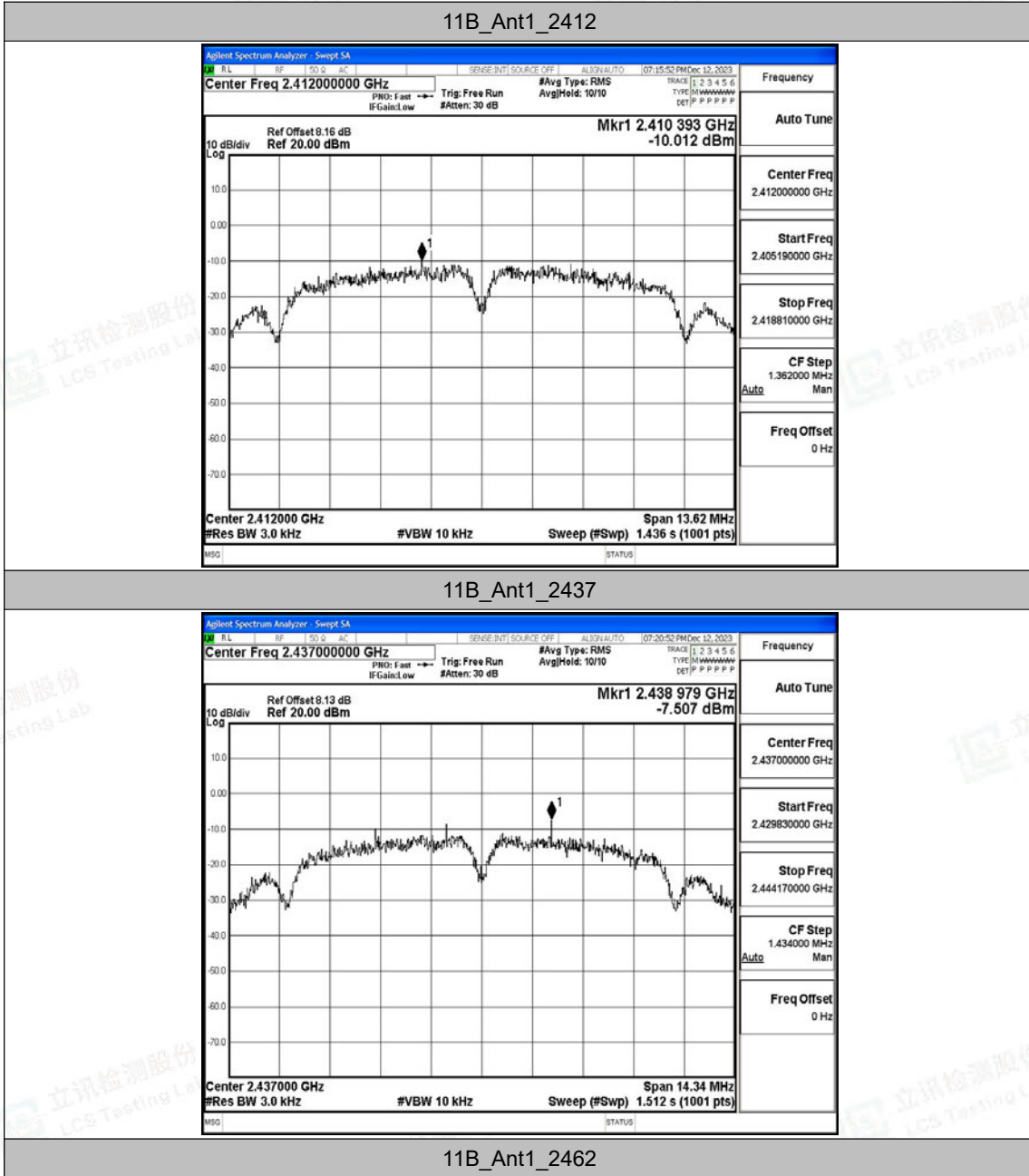
#### Test Result

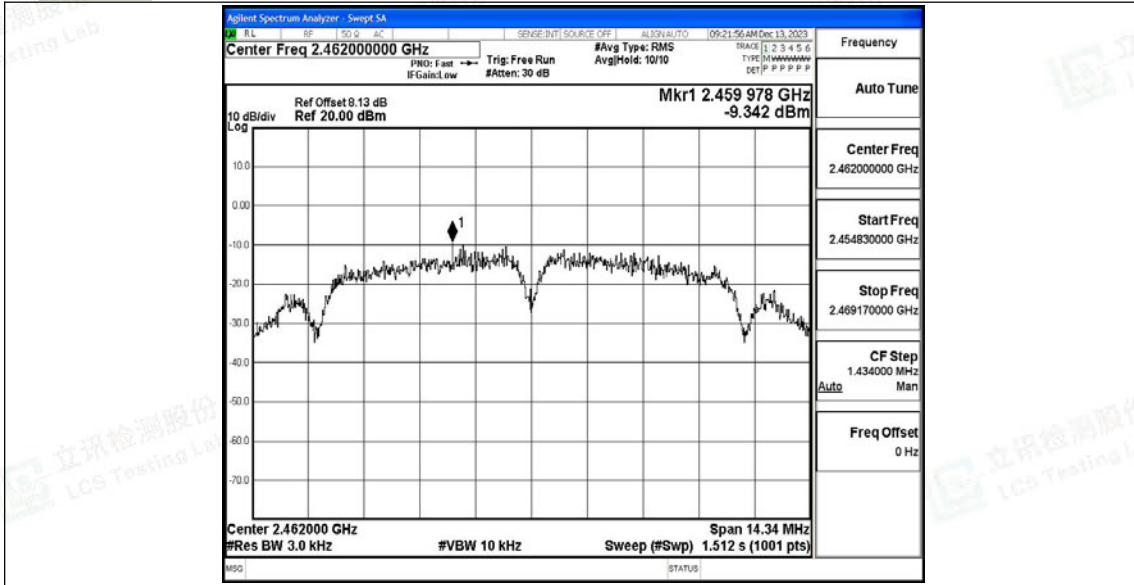
TestMode	Antenna	Freq(MHz)	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-10.01	≤8.00	PASS
		2437	-7.51	≤8.00	PASS
		2462	-9.34	≤8.00	PASS
11G	Ant1	2412	-15.97	≤8.00	PASS
		2437	-15.58	≤8.00	PASS
		2462	-18.19	≤8.00	PASS
11N20SISO	Ant1	2412	-17.88	≤8.00	PASS
		2437	-17.87	≤8.00	PASS
		2462	-18.14	≤8.00	PASS
11N40SISO	Ant1	2422	-20.02	≤8.00	PASS
		2437	-19.58	≤8.00	PASS
		2452	-21.01	≤8.00	PASS



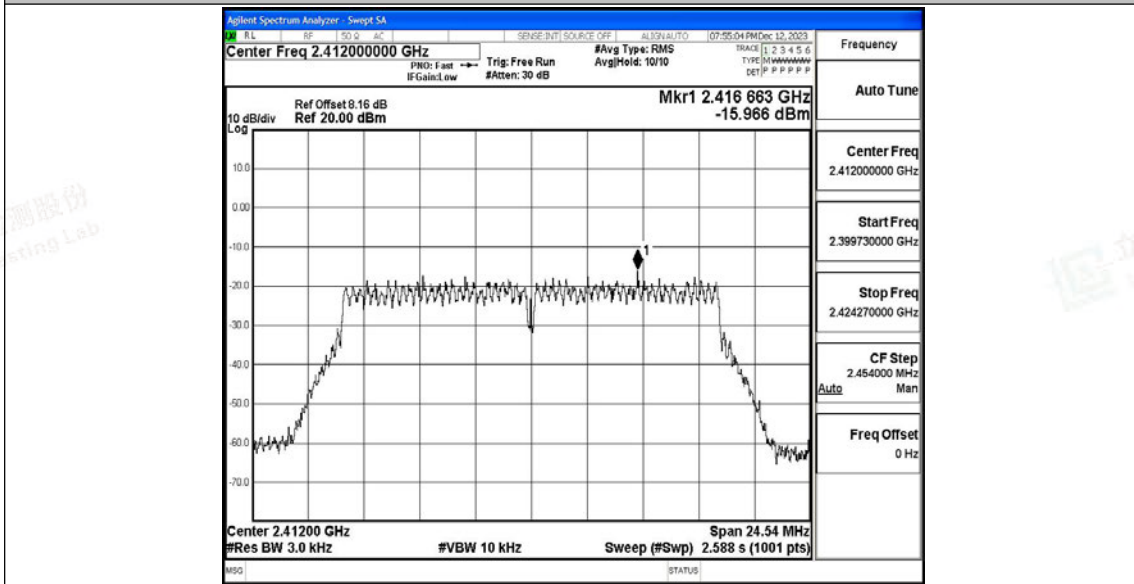


### Test Graphs



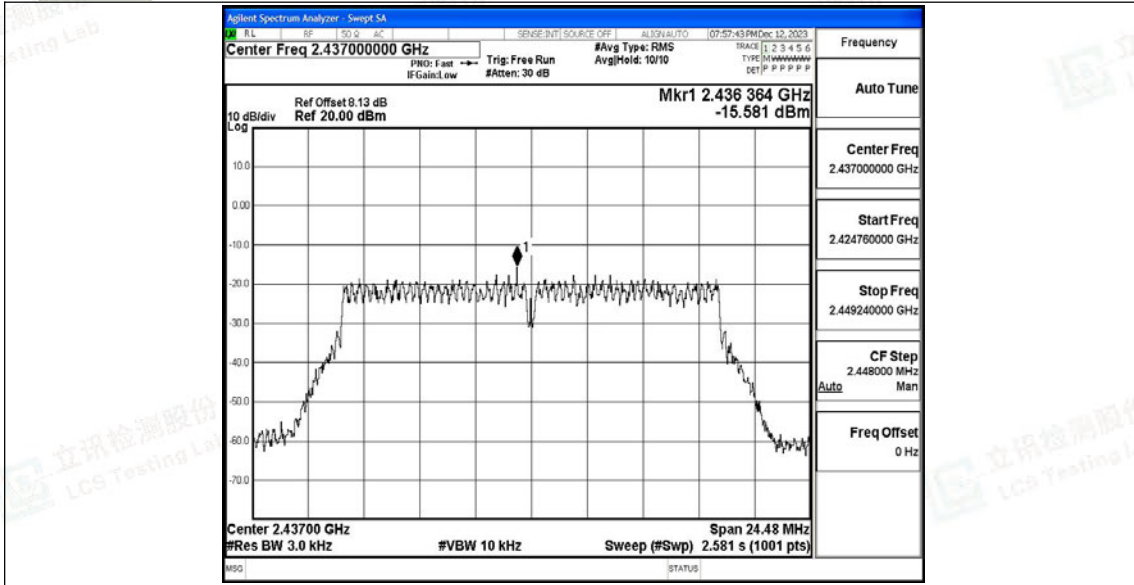


11G\_Ant1\_2412

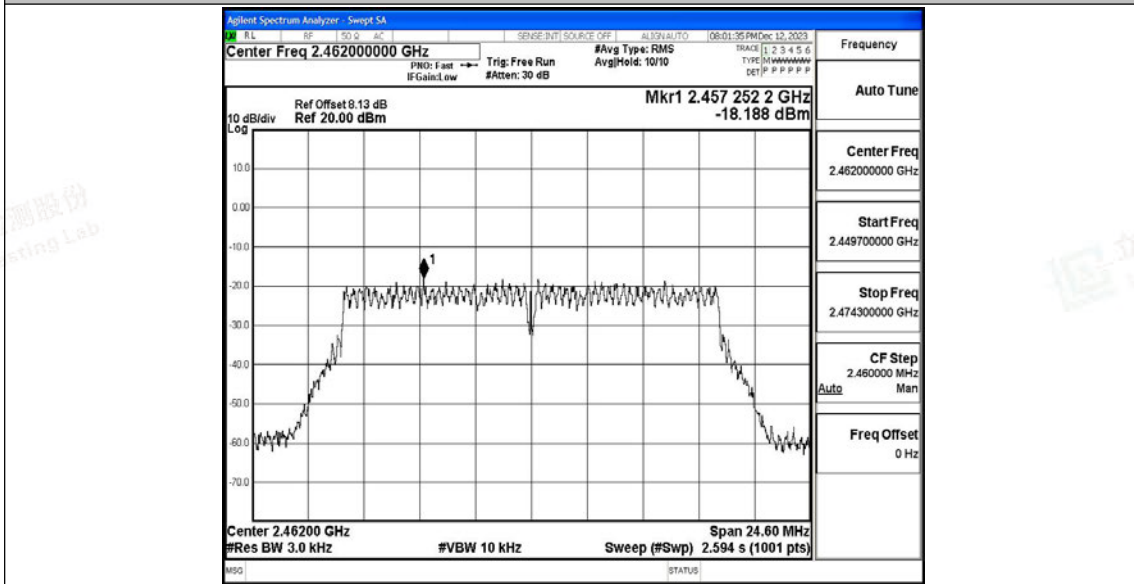


11G\_Ant1\_2437



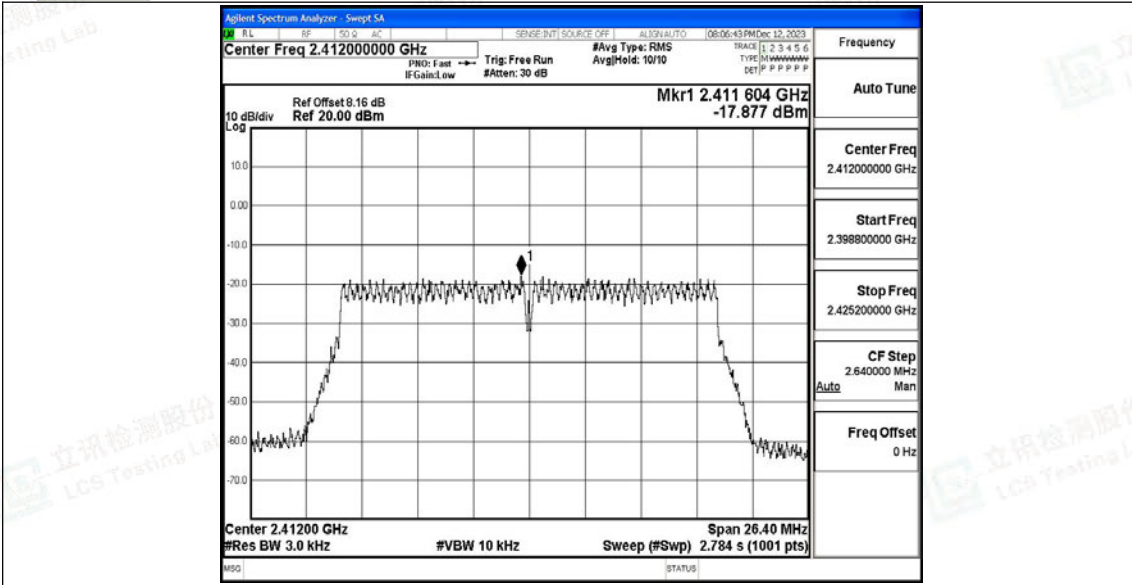


11G\_Ant1\_2462

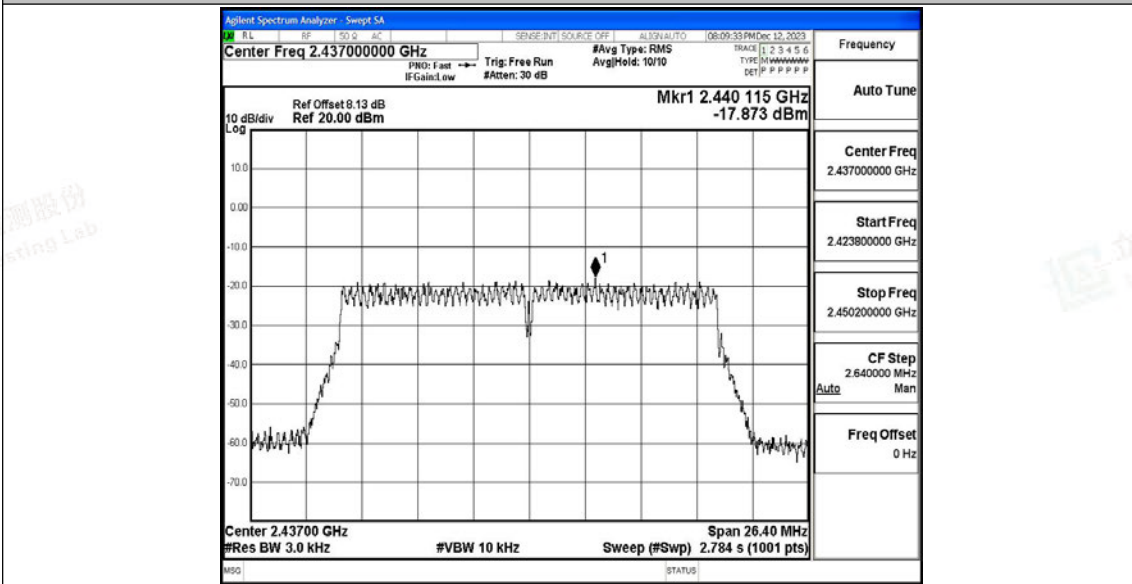


11N20SISO\_Ant1\_2412





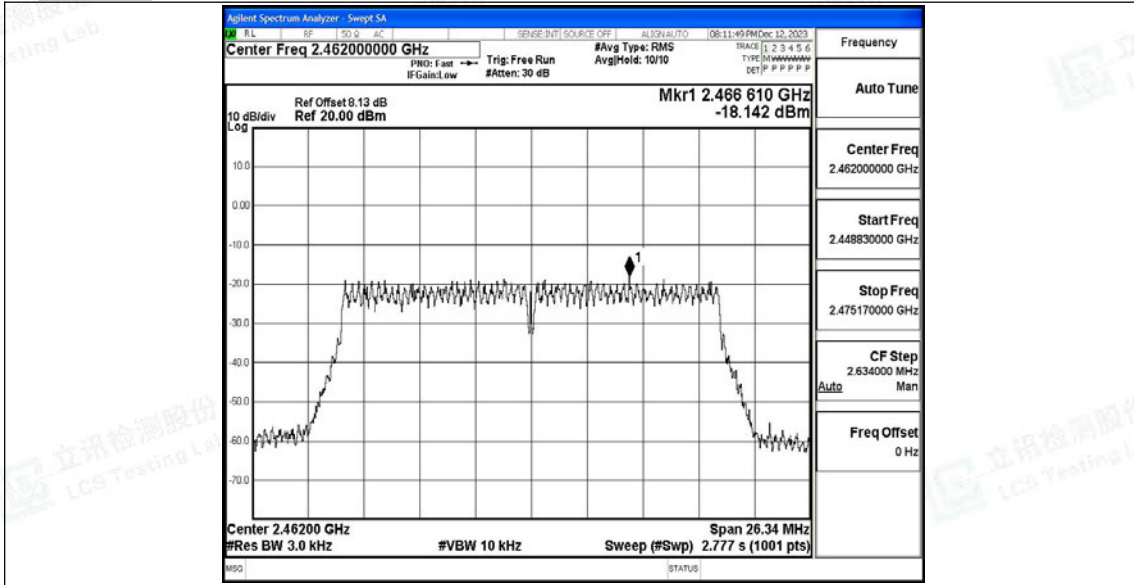
11N20SISO\_Ant1\_2437



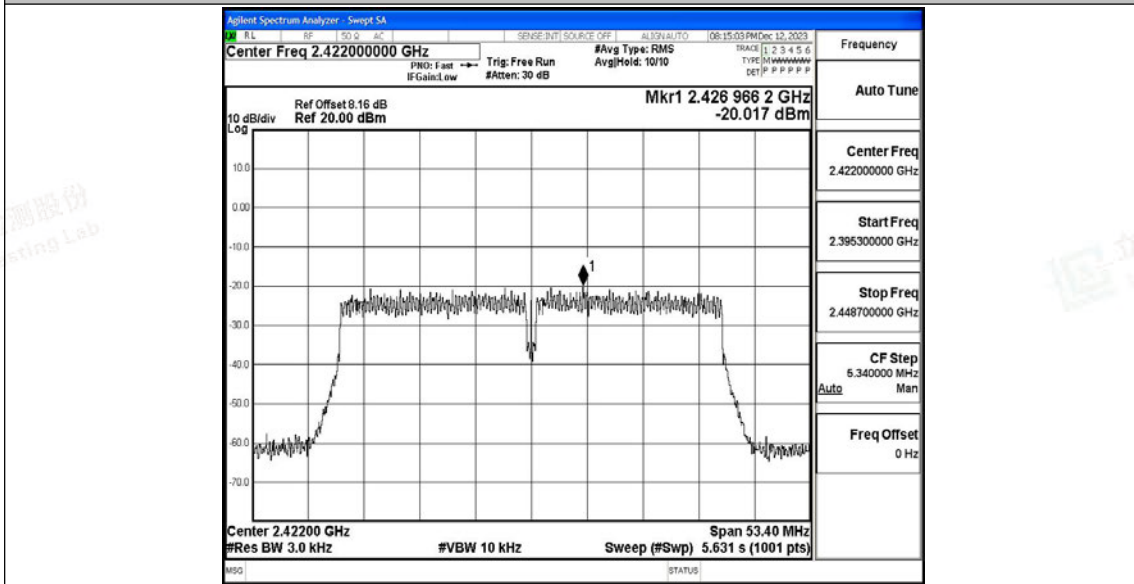
11N20SISO\_Ant1\_2462





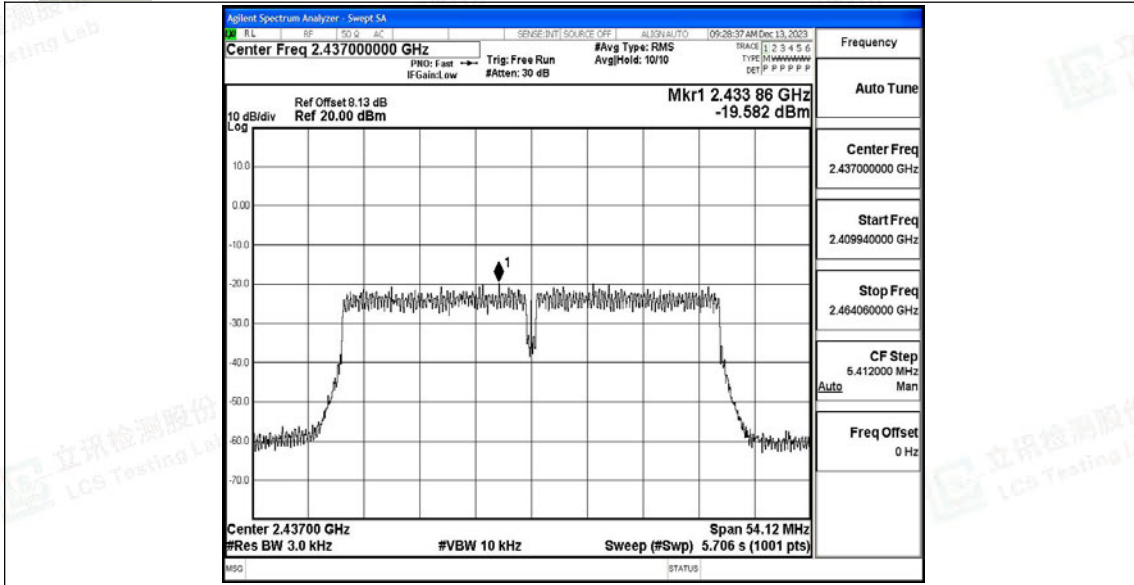


11N40SISO\_Ant1\_2422

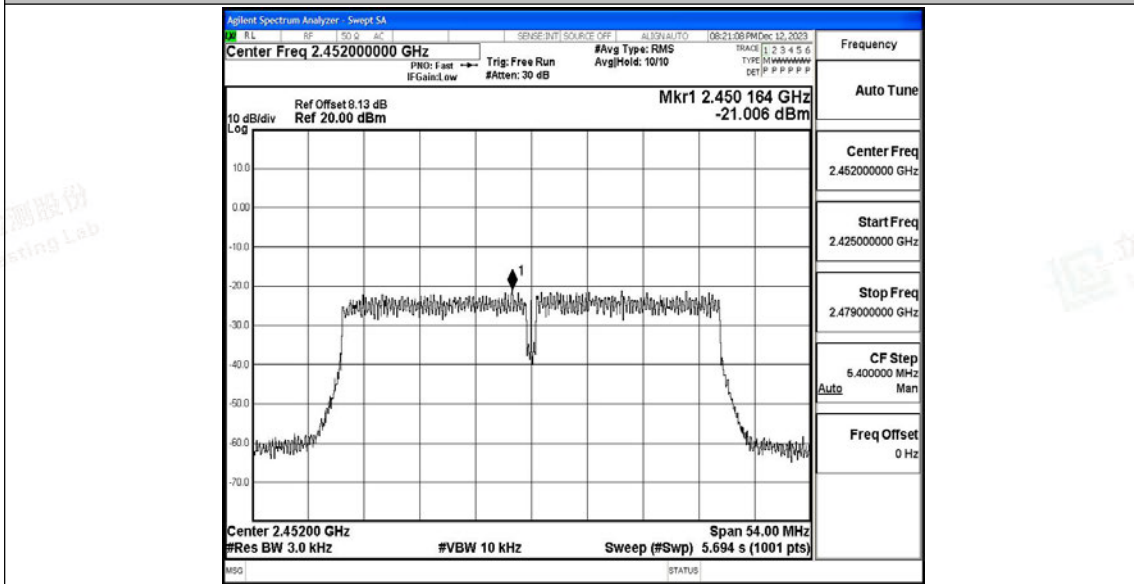


11N40SISO\_Ant1\_2437





11N40SISO\_Ant1\_2452





## C.4 Band edge measurements

### Test Result

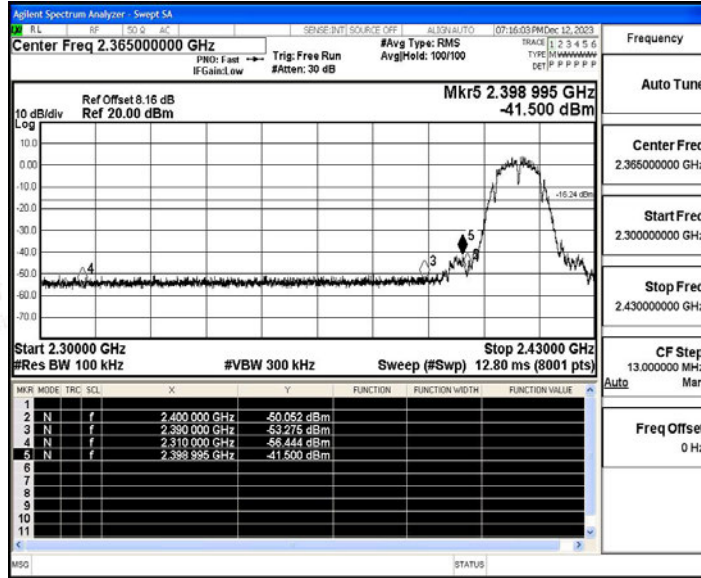
TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.76	-41.5	≤-16.24	PASS
		High	2462	3.24	-50.04	≤-16.76	PASS
11G	Ant1	Low	2412	-3.86	-41.86	≤-23.86	PASS
		High	2462	-3.91	-49.14	≤-23.91	PASS
11N20SISO	Ant1	Low	2412	-3.31	-41.06	≤-23.31	PASS
		High	2462	-4.45	-48.59	≤-24.45	PASS
11N40SISO	Ant1	Low	2422	-6.32	-40.95	≤-26.32	PASS
		High	2452	-6.91	-41.55	≤-26.91	PASS



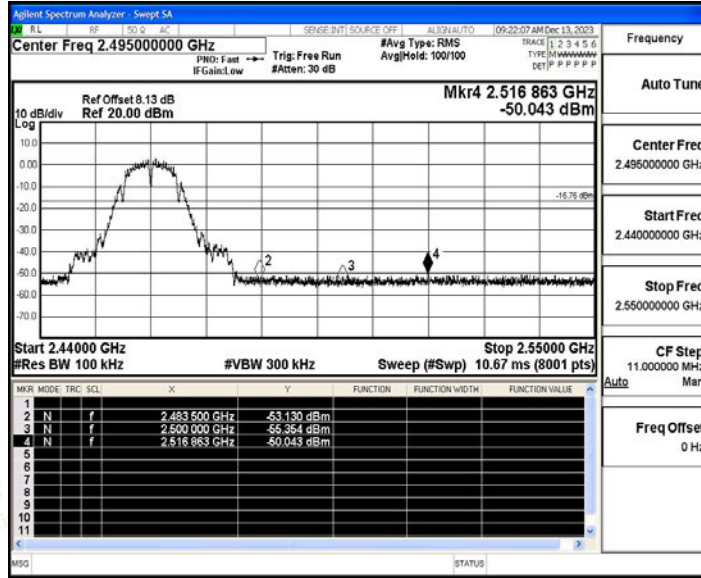


### Test Graphs

11B\_Ant1\_Low\_2412

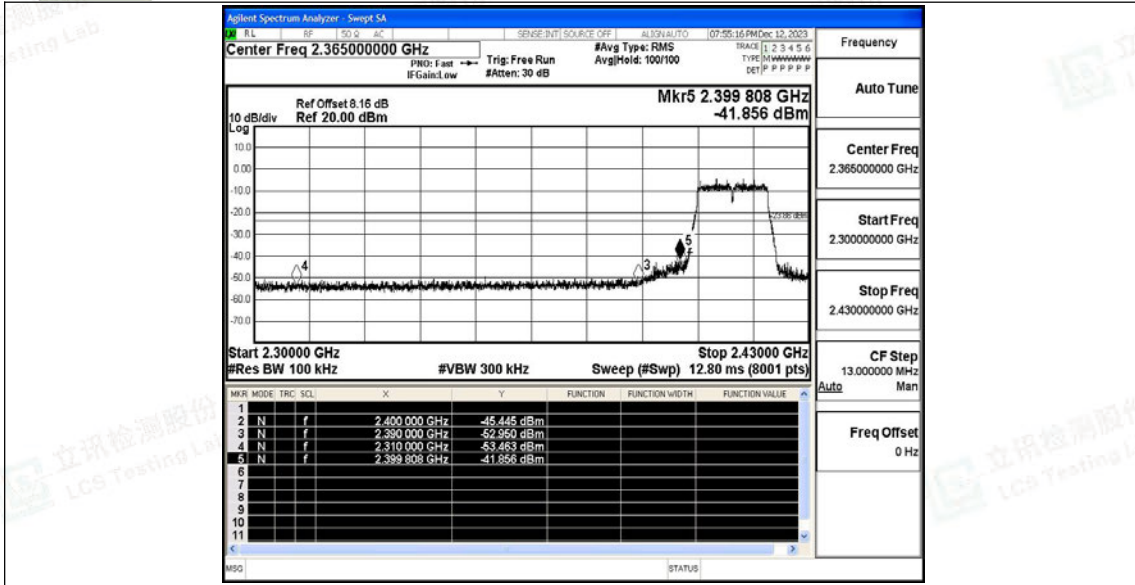


11B\_Ant1\_High\_2462

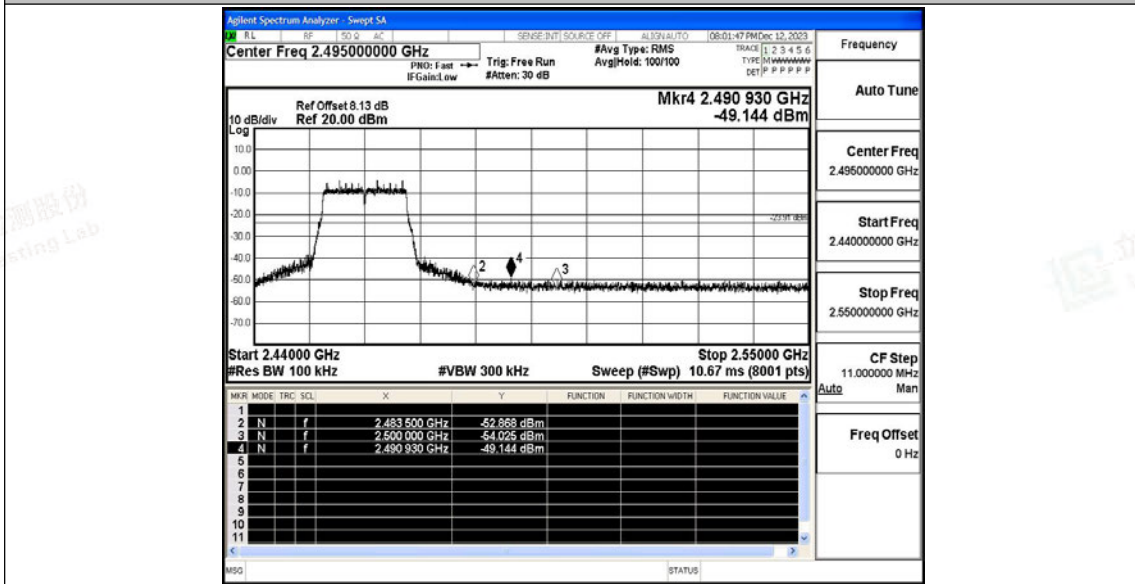


11G\_Ant1\_Low\_2412





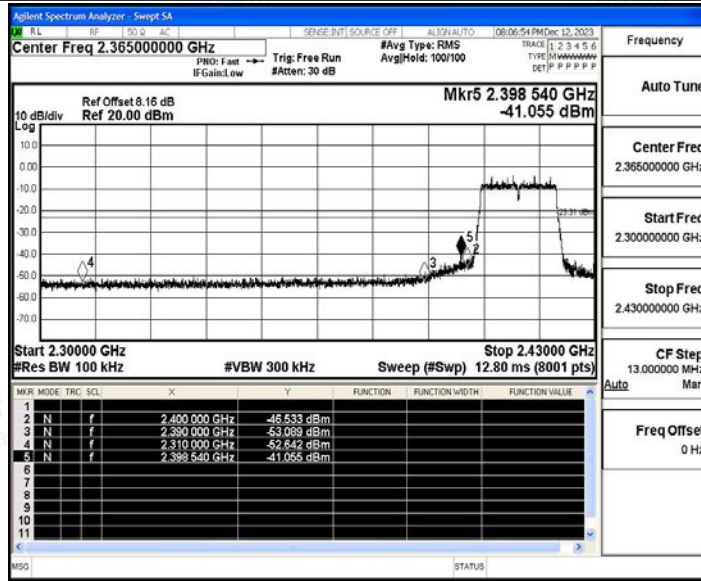
11G\_Ant1\_High\_2462



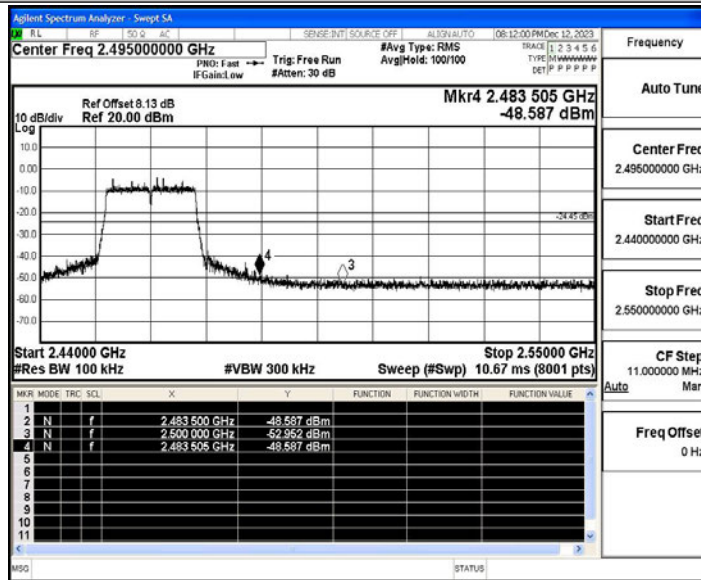
11N20SISO\_Ant1\_Low\_2412





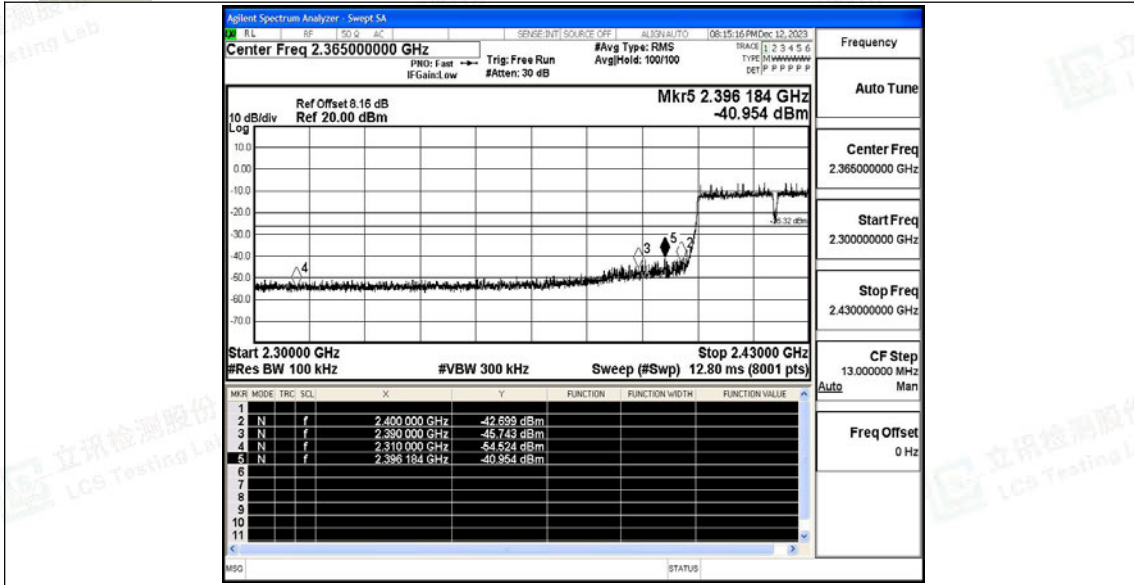


11N20SISO\_Ant1\_High\_2462

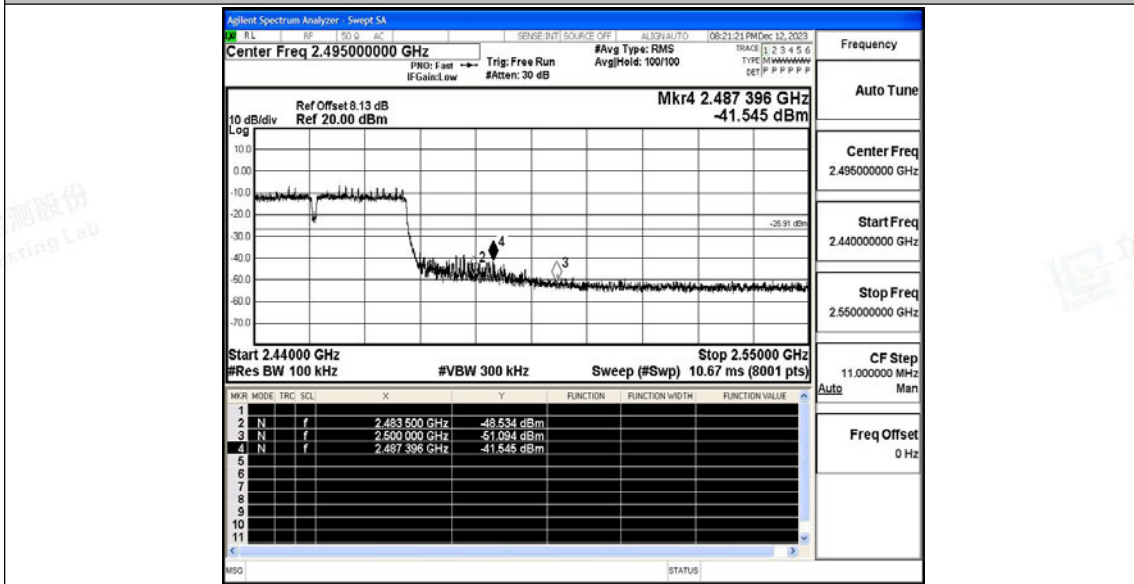


11N40SISO\_Ant1\_Low\_2422





11N40SISO\_Ant1\_High\_2452





## C.5 Conducted Spurious Emission

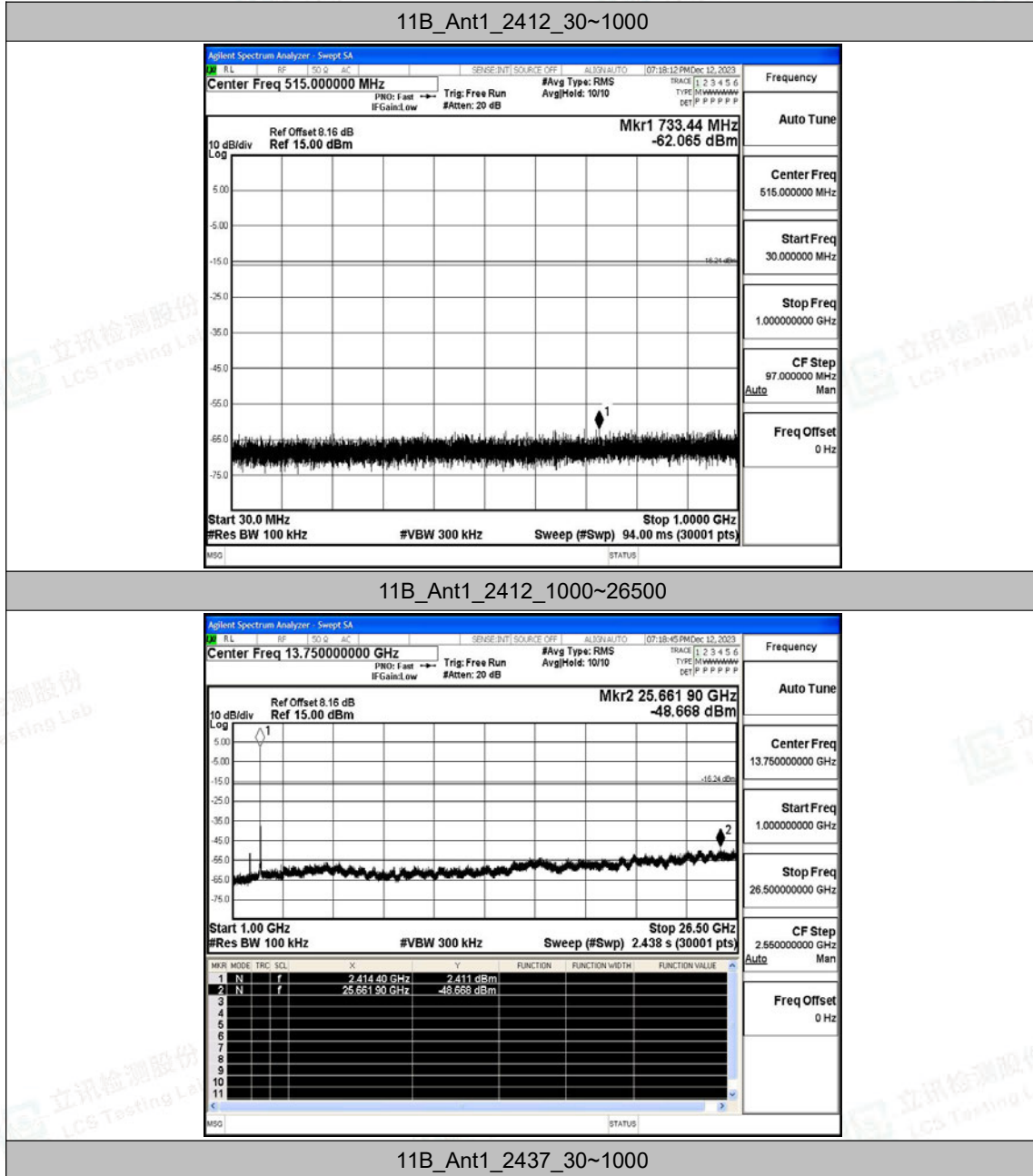
### Test Result

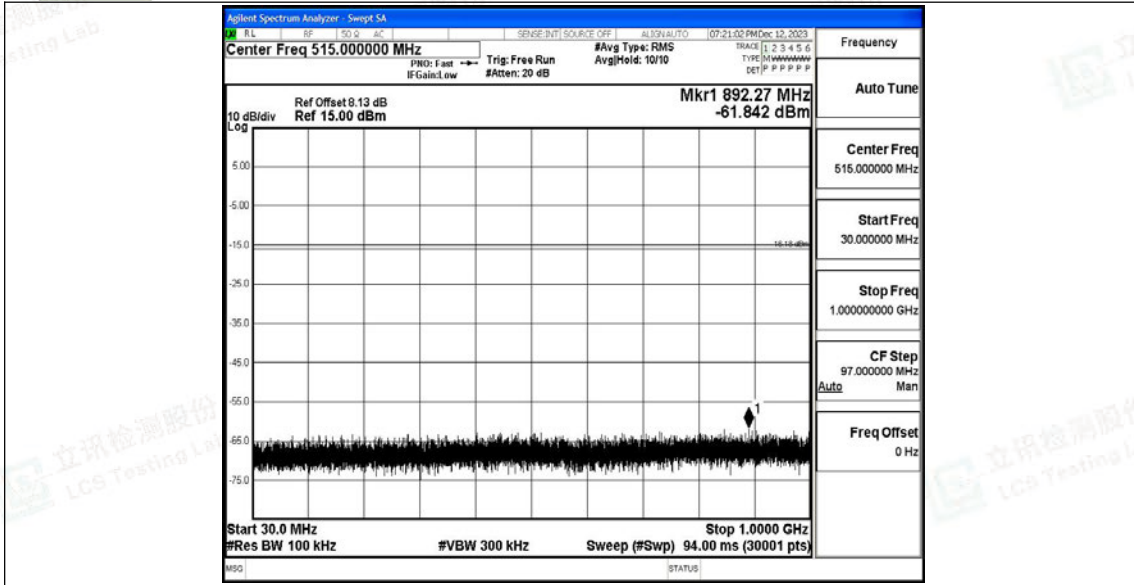
TestMode	Antenna	Freq(MHz)	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~1000	3.76	-62.07	≤-16.24	PASS
			1000~26500	3.76	-48.67	≤-16.24	PASS
		2437	30~1000	3.82	-61.84	≤-16.18	PASS
			1000~26500	3.82	-46.89	≤-16.18	PASS
		2462	30~1000	3.24	-61.81	≤-16.76	PASS
			1000~26500	3.24	-49.28	≤-16.76	PASS
11G	Ant1	2412	30~1000	-3.86	-61.92	≤-23.86	PASS
			1000~26500	-3.86	-40.35	≤-23.86	PASS
		2437	30~1000	-3.90	-61.07	≤-23.9	PASS
			1000~26500	-3.90	-48.47	≤-23.9	PASS
		2462	30~1000	-3.91	-61.49	≤-23.91	PASS
			1000~26500	-3.91	-48.19	≤-23.91	PASS
11N20SISO	Ant1	2412	30~1000	-3.31	-61.83	≤-23.31	PASS
			1000~26500	-3.31	-49.18	≤-23.31	PASS
		2437	30~1000	-4.25	-61.89	≤-24.25	PASS
			1000~26500	-4.25	-48.97	≤-24.25	PASS
		2462	30~1000	-4.45	-62.23	≤-24.45	PASS
			1000~26500	-4.45	-49	≤-24.45	PASS
11N40SISO	Ant1	2422	30~1000	-6.32	-60.86	≤-26.32	PASS
			1000~26500	-6.32	-48.82	≤-26.32	PASS
		2437	30~1000	-6.06	-61.55	≤-26.06	PASS
			1000~26500	-6.06	-48.5	≤-26.06	PASS
		2452	30~1000	-6.91	-59.03	≤-26.91	PASS
			1000~26500	-6.91	-48.98	≤-26.91	PASS



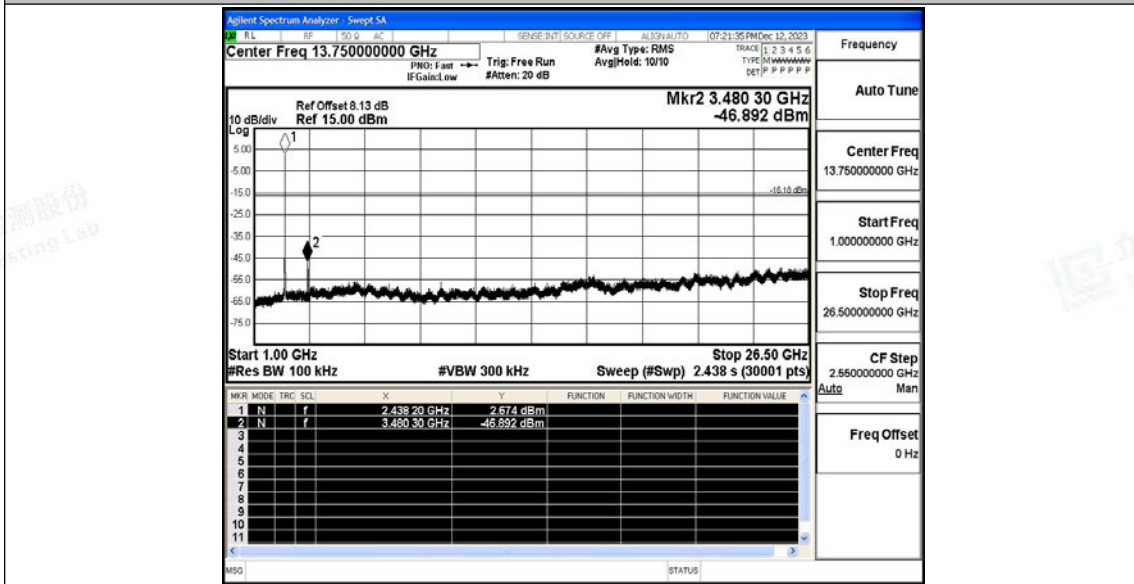


### Test Graphs





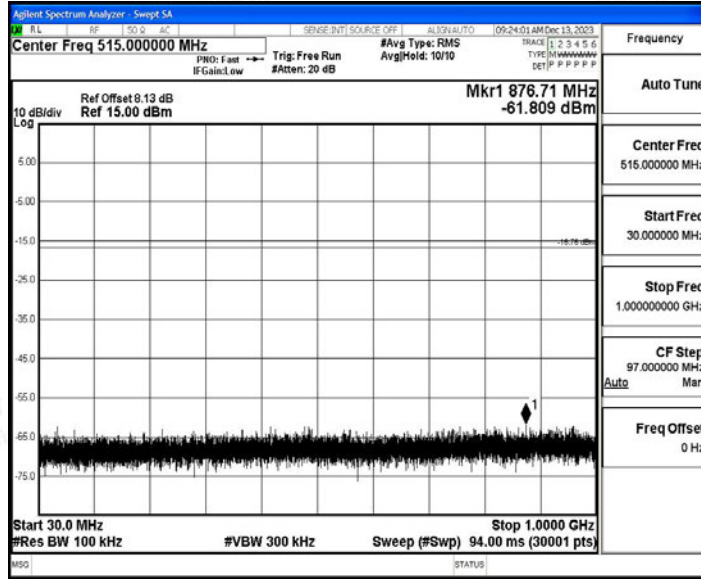
11B\_Ant1\_2437\_1000~26500



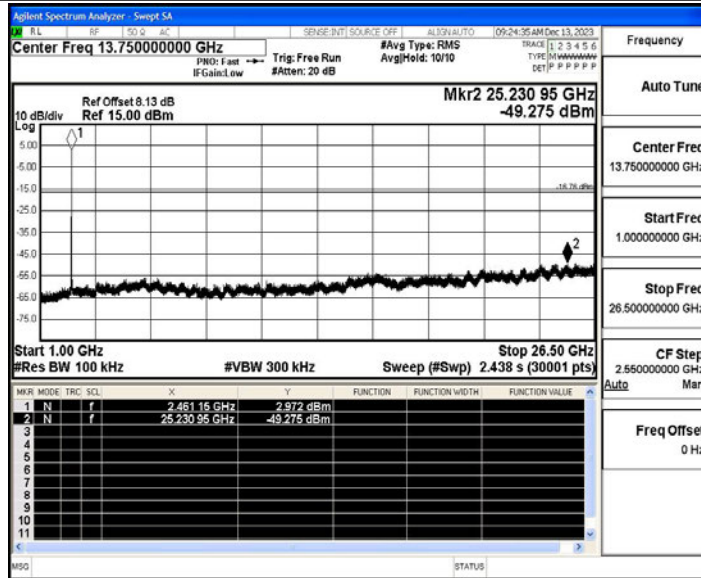
11B\_Ant1\_2462\_30~1000





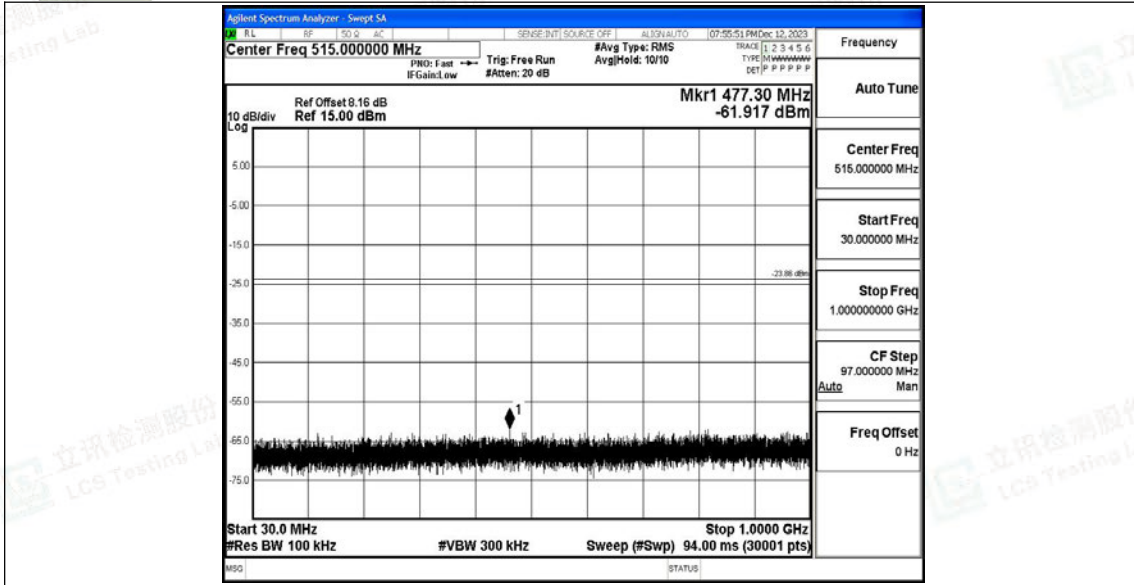


11B\_Ant1\_2462\_1000~26500

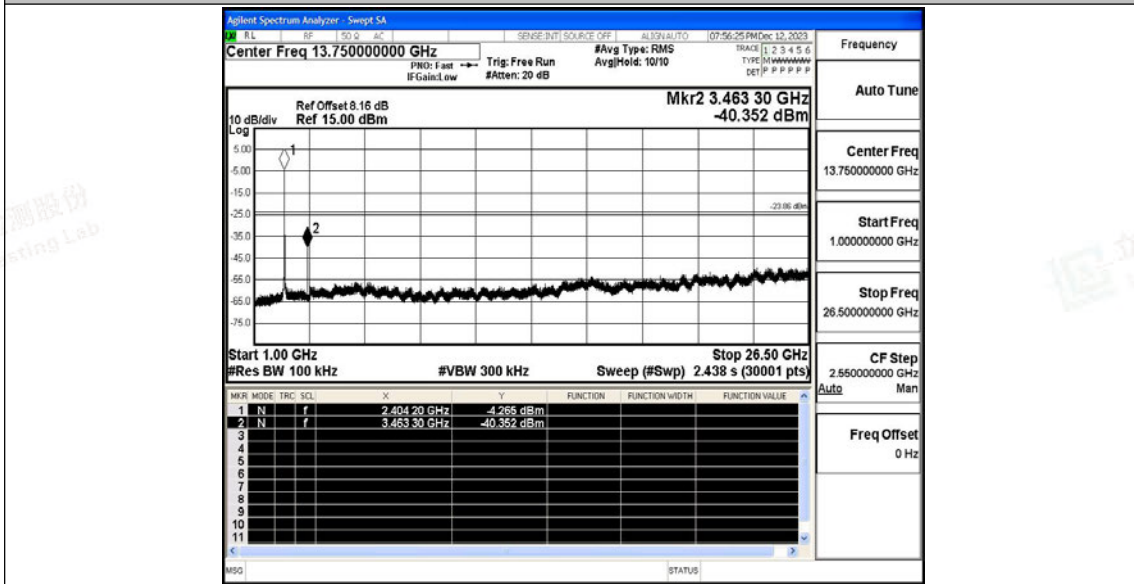


11G\_Ant1\_2412\_30~1000



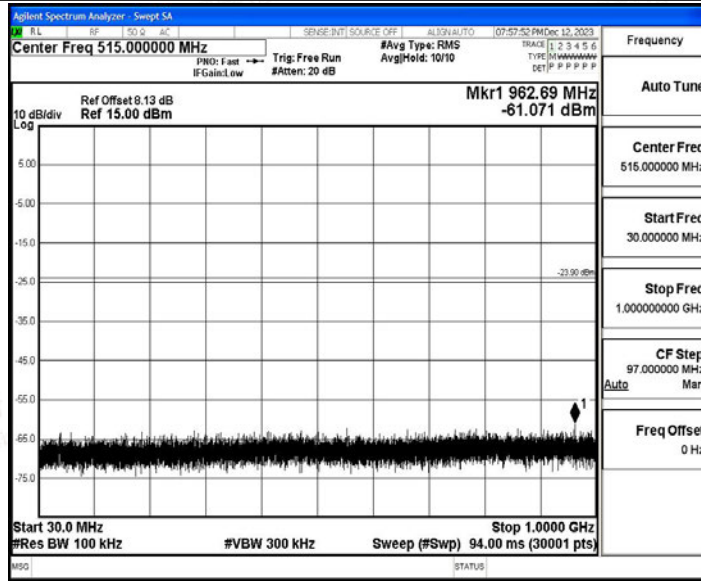


11G\_Ant1\_2412\_1000~26500

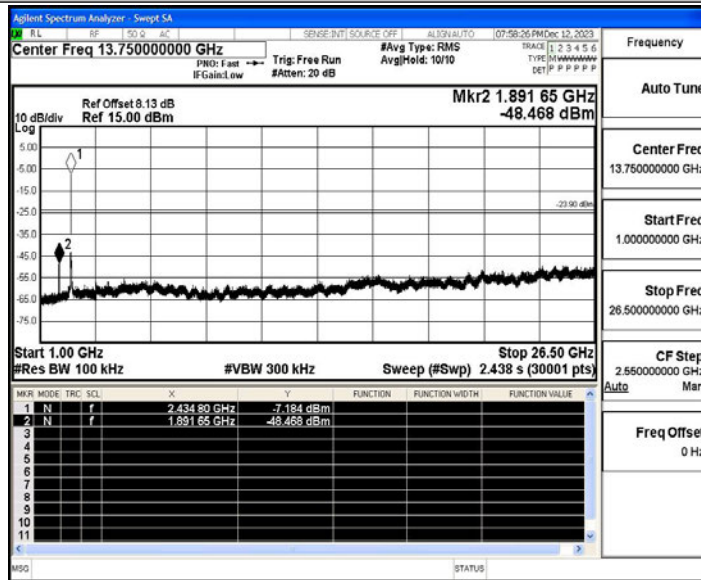


11G\_Ant1\_2437\_30~1000



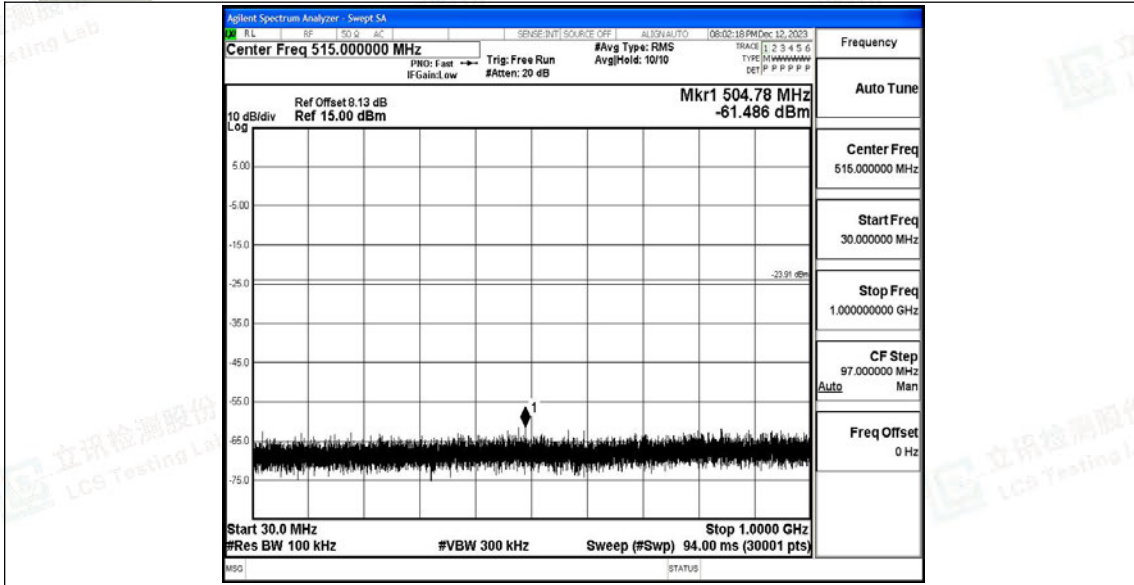


11G\_Ant1\_2437\_1000~26500

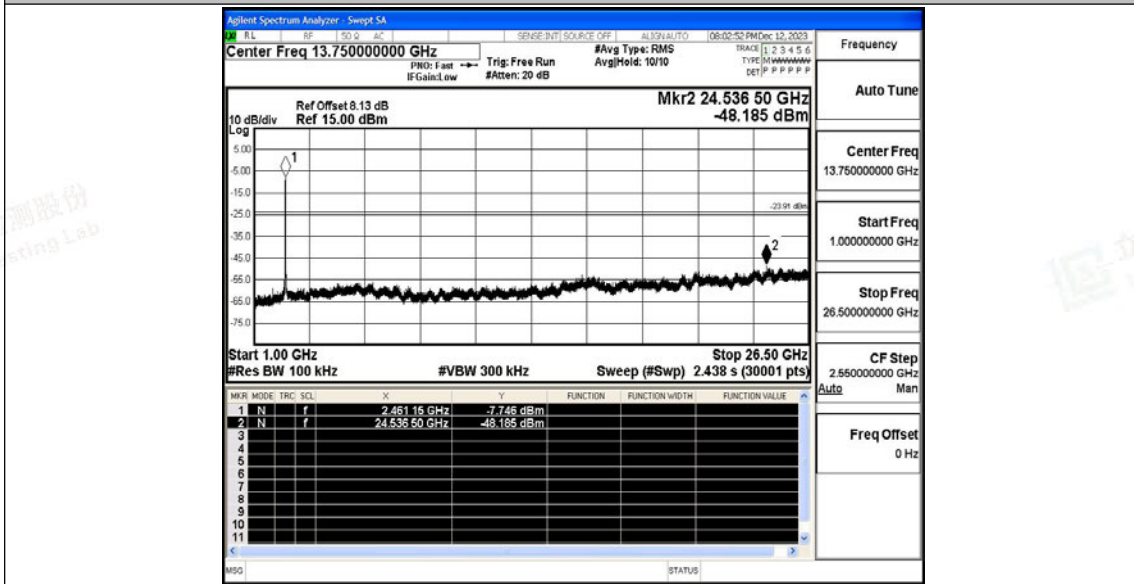


11G\_Ant1\_2462\_30~1000



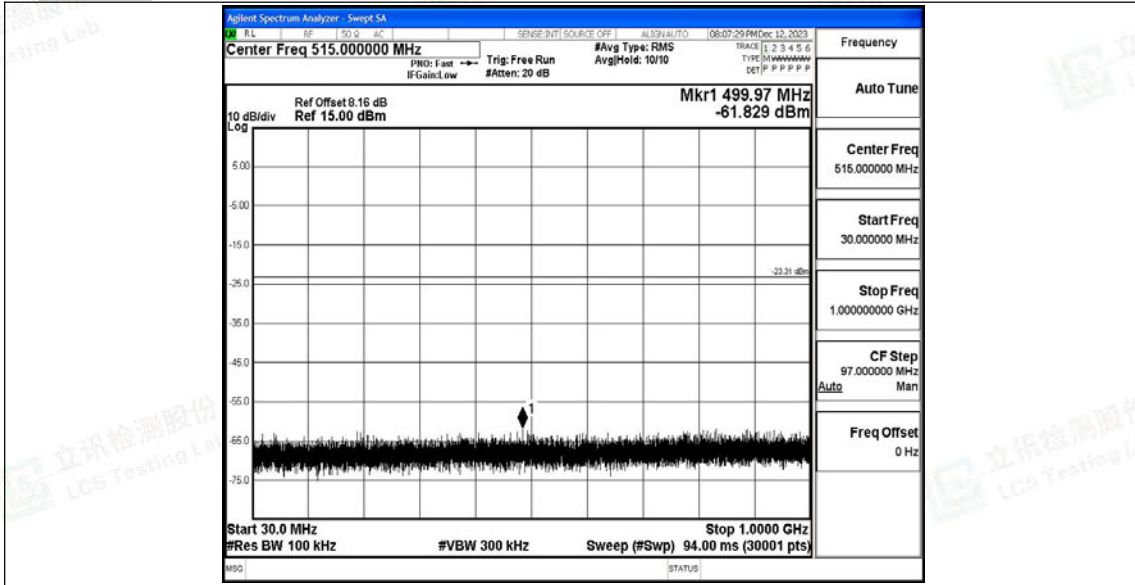


11G\_Ant1\_2462\_1000~26500

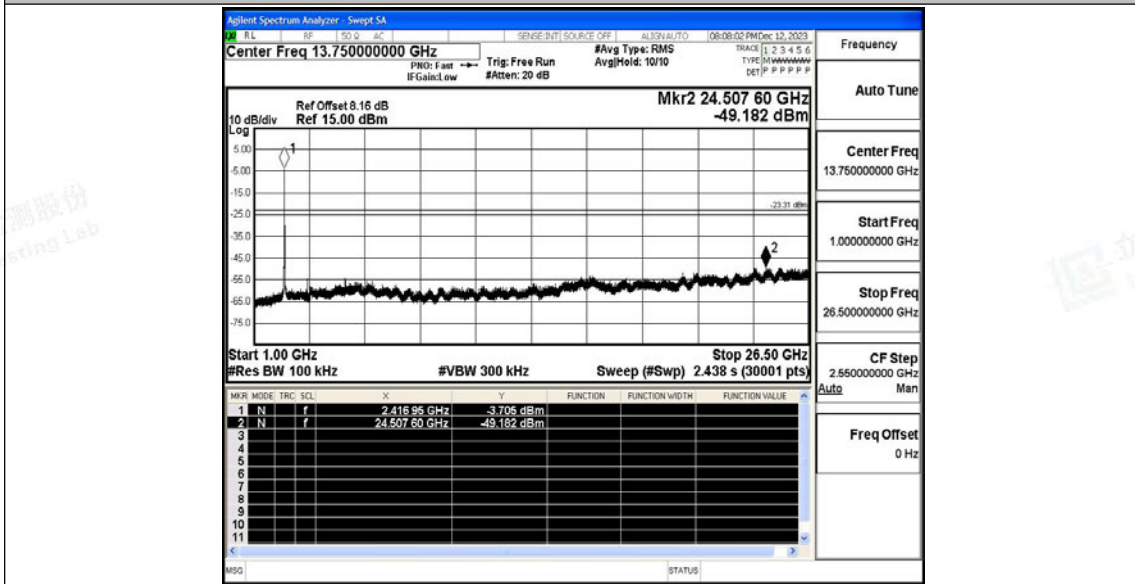


11N20SISO\_Ant1\_2412\_30~1000





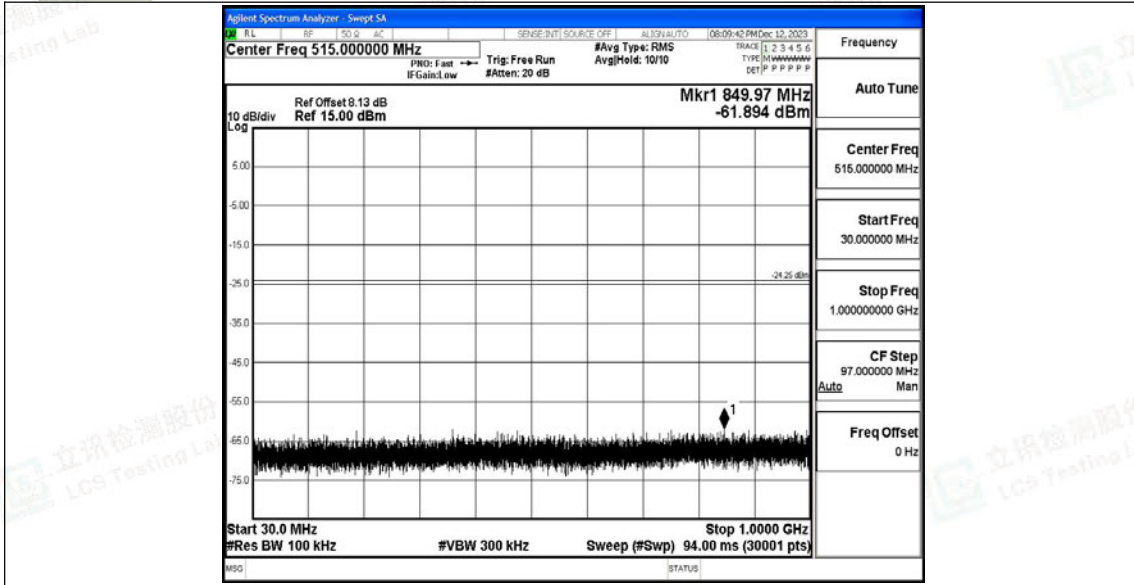
11N20SISO\_Ant1\_2412\_1000~26500



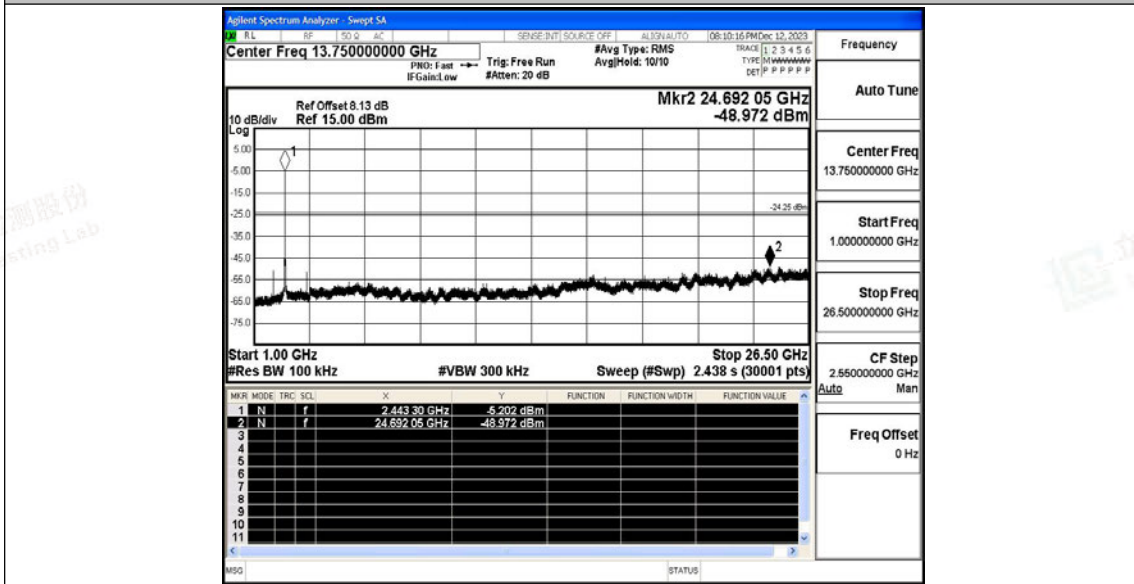
11N20SISO\_Ant1\_2437\_30~1000





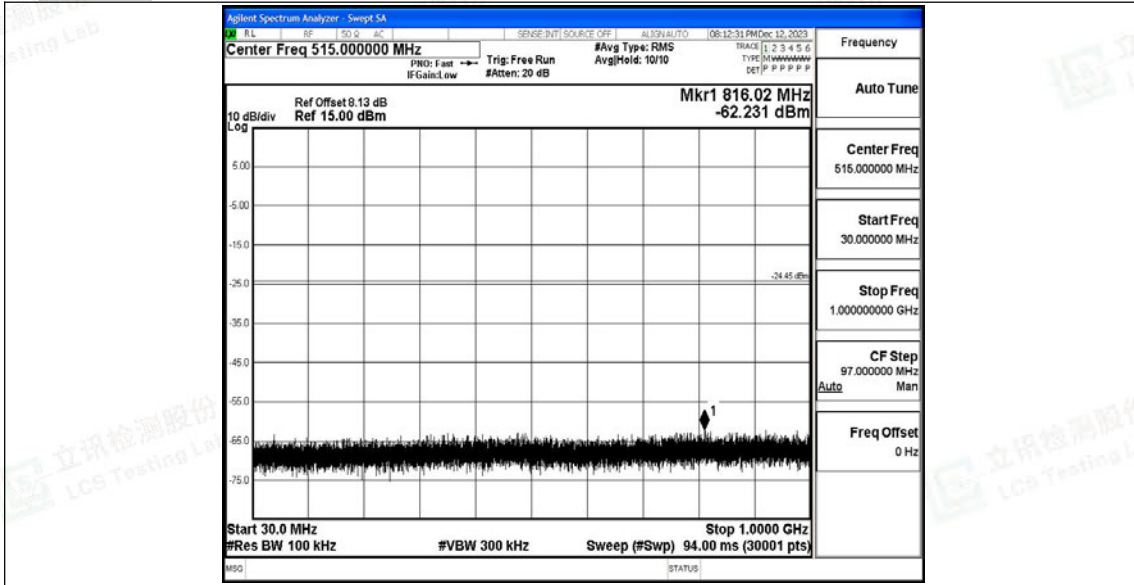


11N20SISO\_Ant1\_2437\_1000~26500

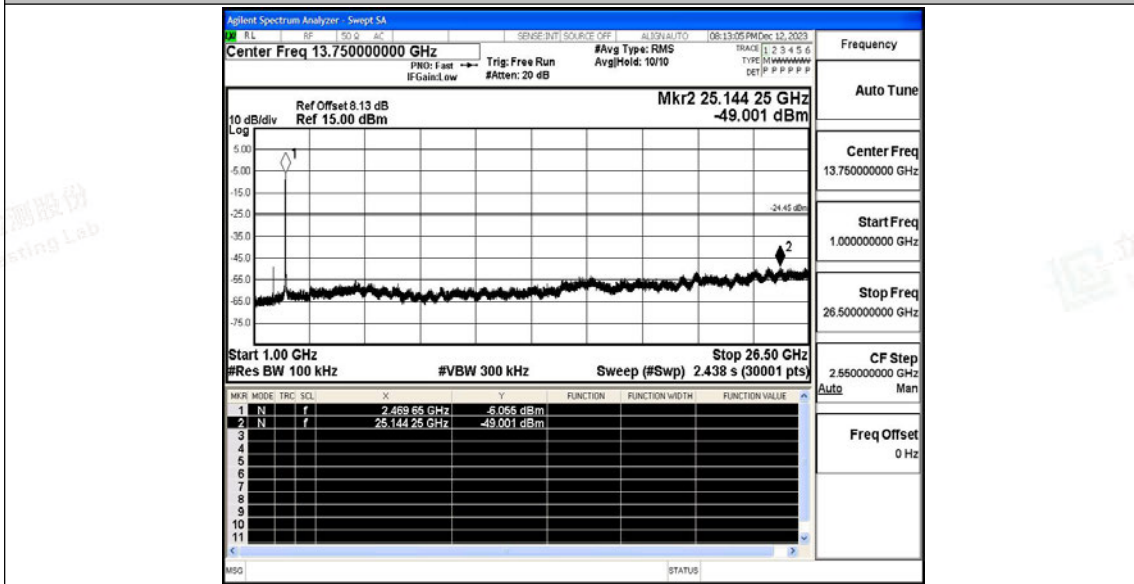


11N20SISO\_Ant1\_2462\_30~1000



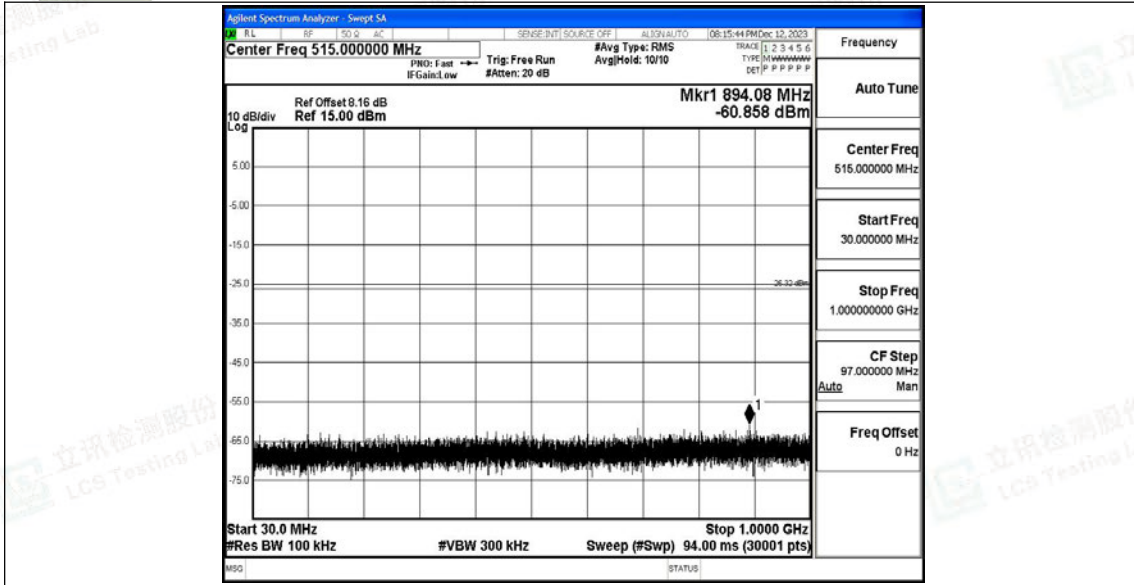


11N20SISO\_Ant1\_2462\_1000~26500

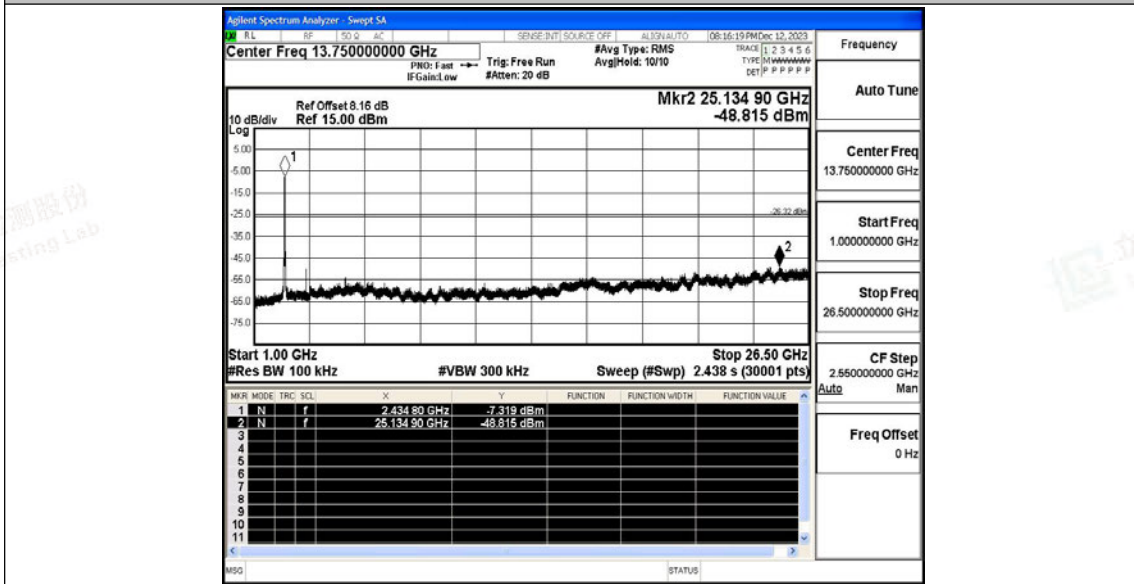


11N40SISO\_Ant1\_2422\_30~1000



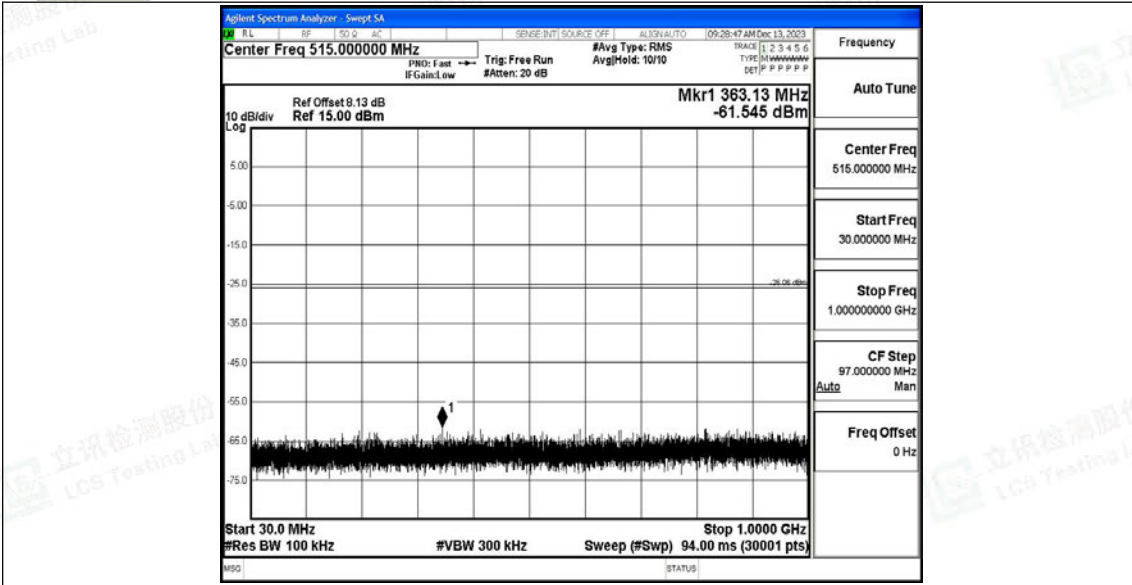


11N40SISO\_Ant1\_2422\_1000~26500

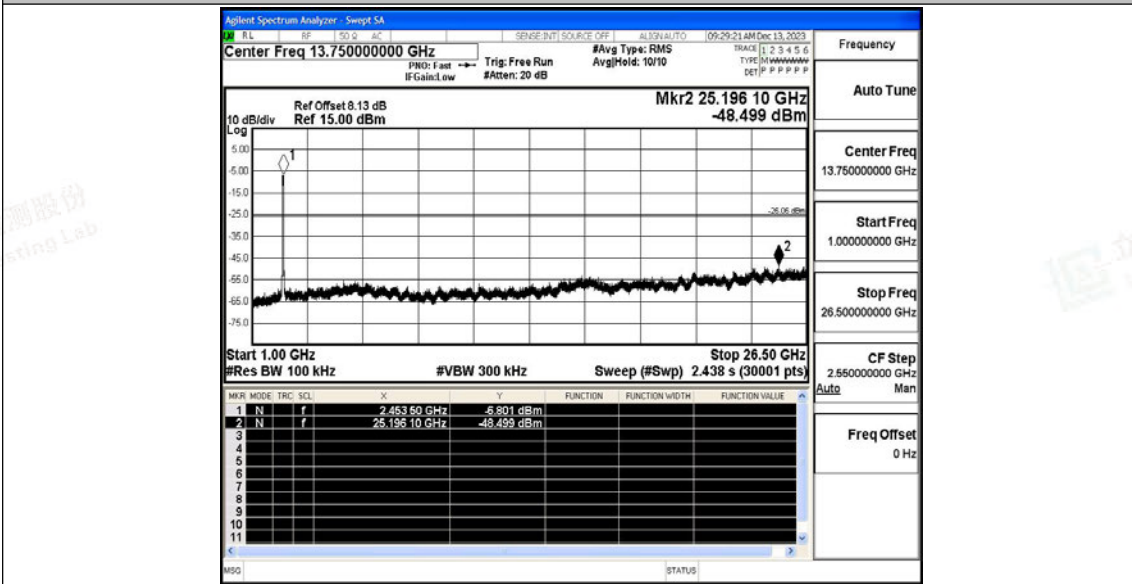


11N40SISO\_Ant1\_2437\_30~1000



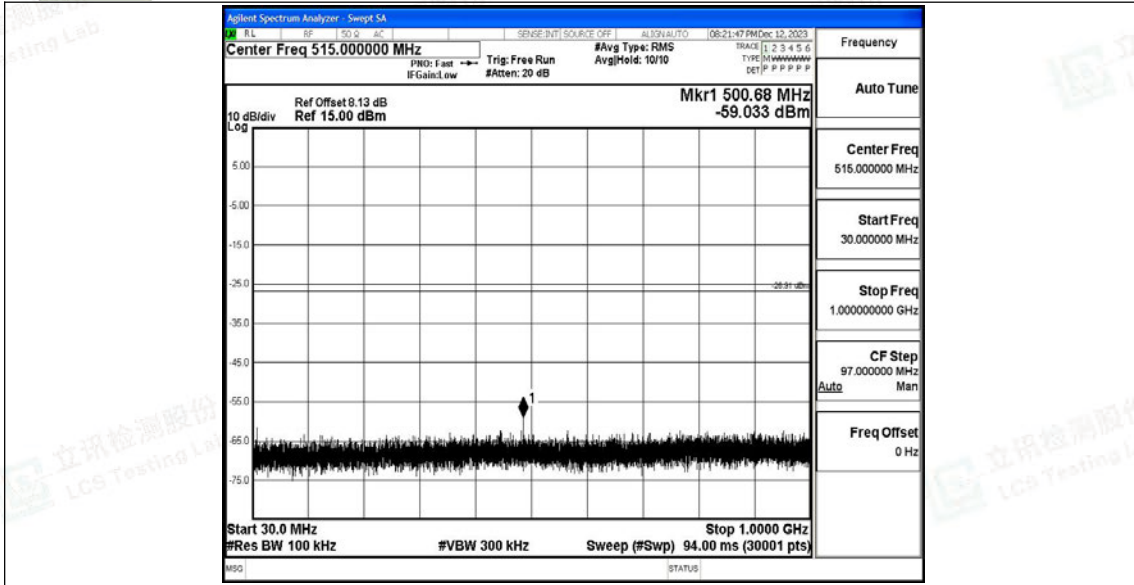


11N40SISO\_Ant1\_2437\_1000~26500

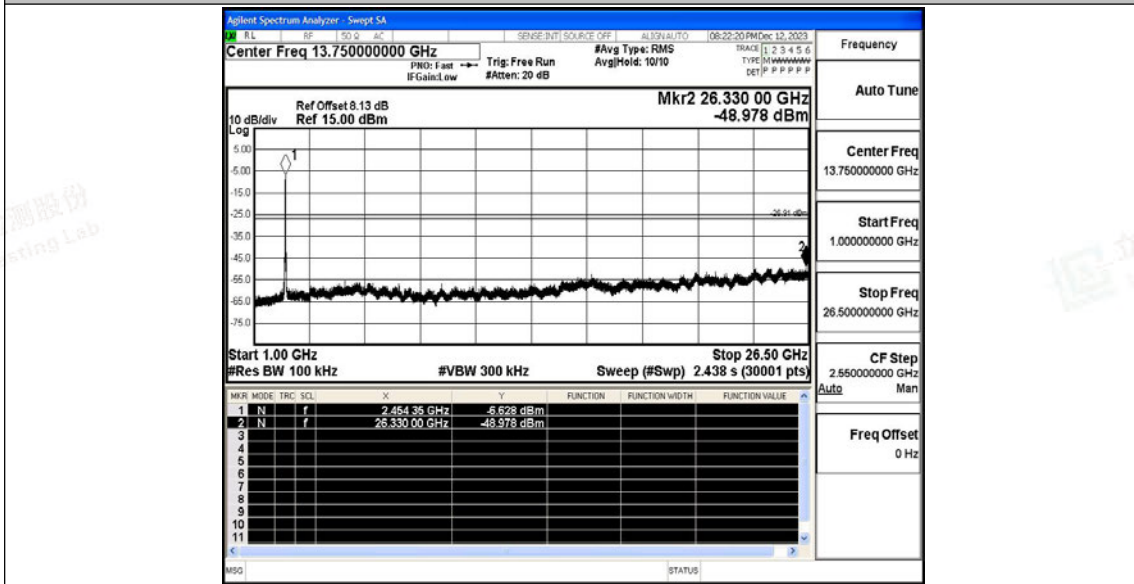


11N40SISO\_Ant1\_2452\_30~1000





11N40SISO\_Ant1\_2452\_1000~26500







## Reference level measurement

### Test Result

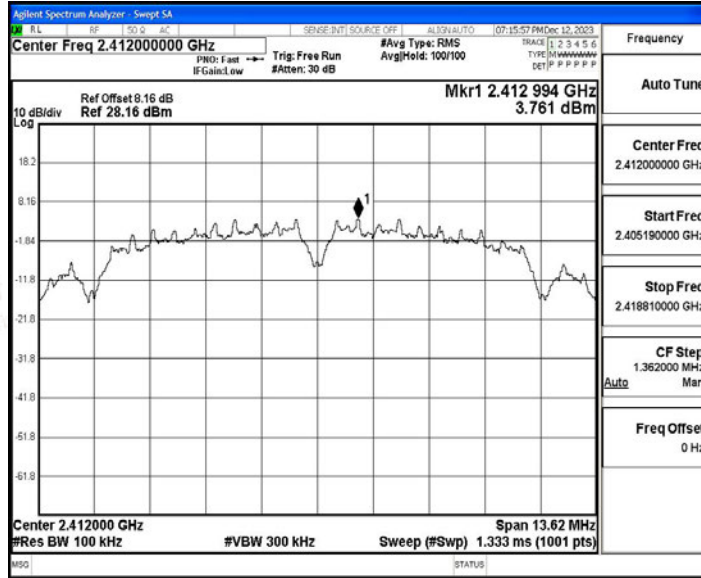
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2412.99	3.76
		2437	2436.00	3.82
		2462	2461.50	3.24
11G	Ant1	2412	2414.48	-3.86
		2437	2441.97	-3.90
		2462	2463.25	-3.91
11N20SISO	Ant1	2412	2413.24	-3.31
		2437	2432.01	-4.25
		2462	2469.48	-4.45
11N40SISO	Ant1	2422	2424.51	-6.32
		2437	2441.98	-6.06
		2452	2449.46	-6.91



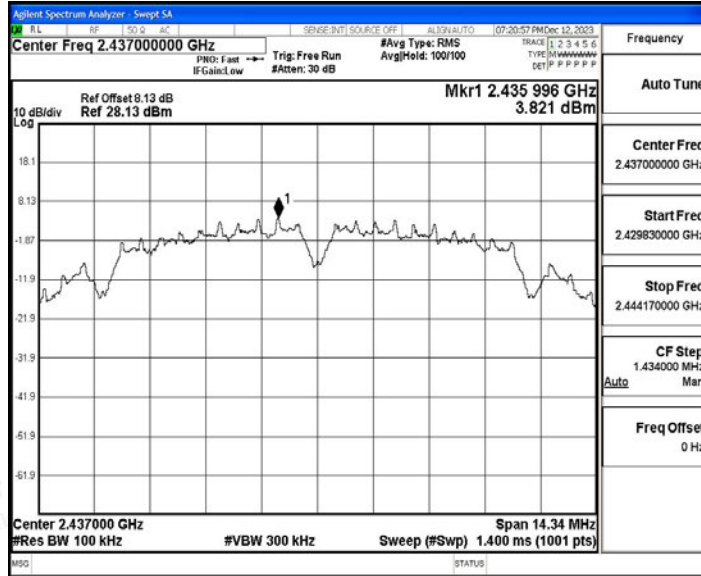


### Test Graphs

11B\_Ant1\_2412

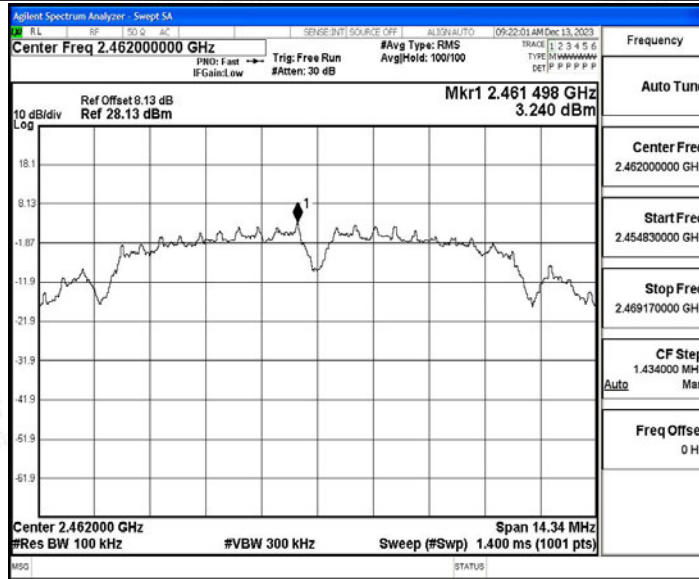


11B\_Ant1\_2437

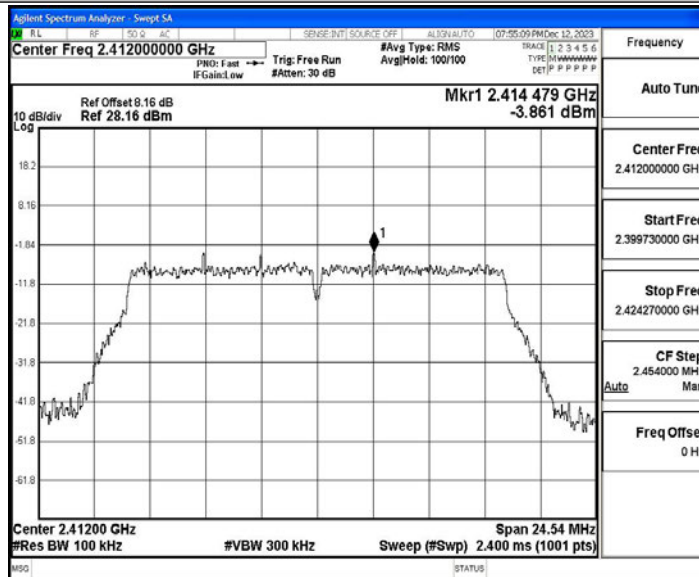


11B\_Ant1\_2462



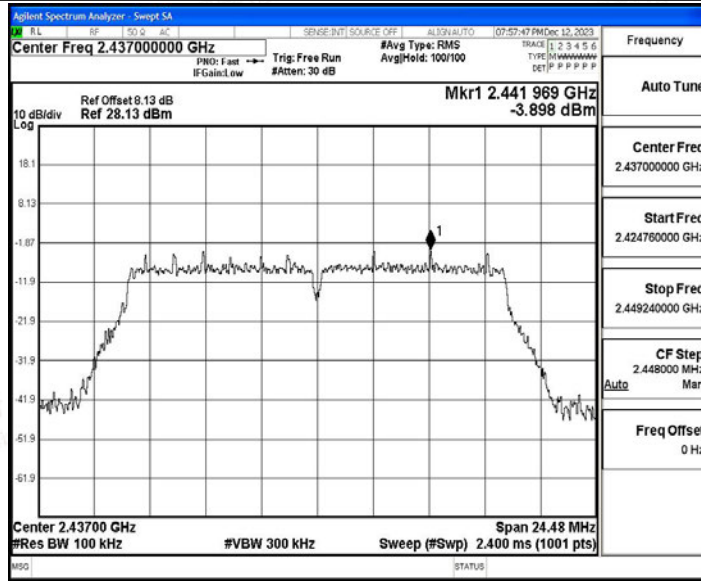


11G\_Ant1\_2412

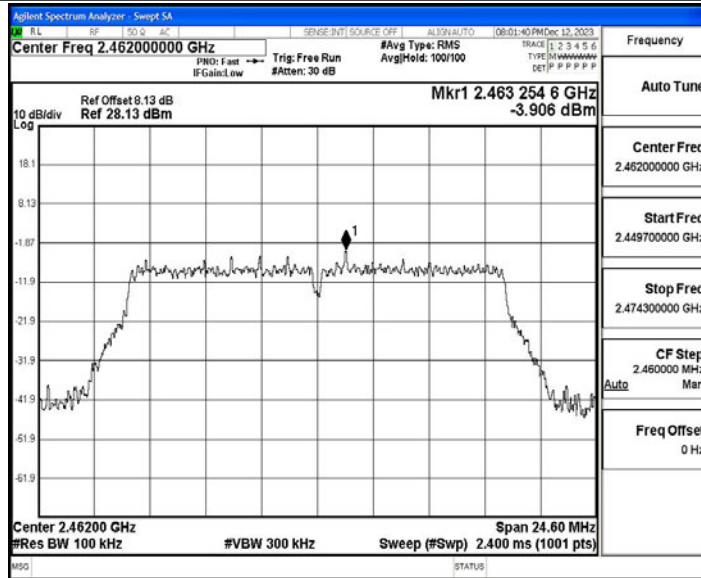


11G\_Ant1\_2437



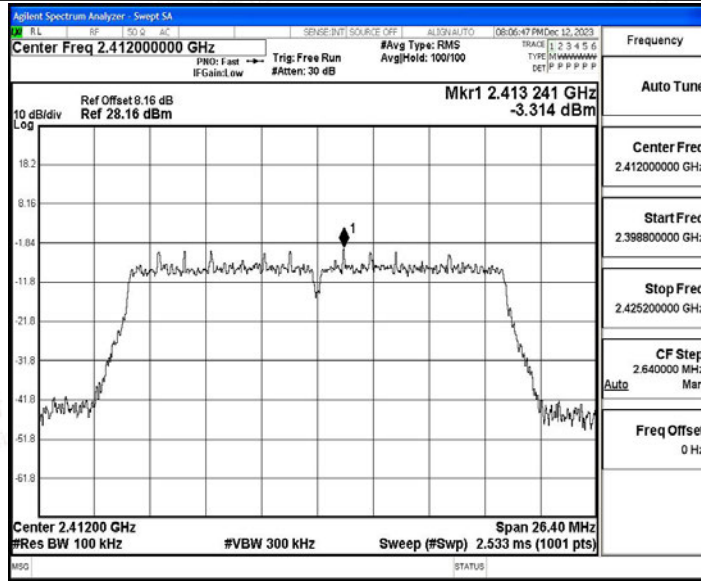


11G\_Ant1\_2462

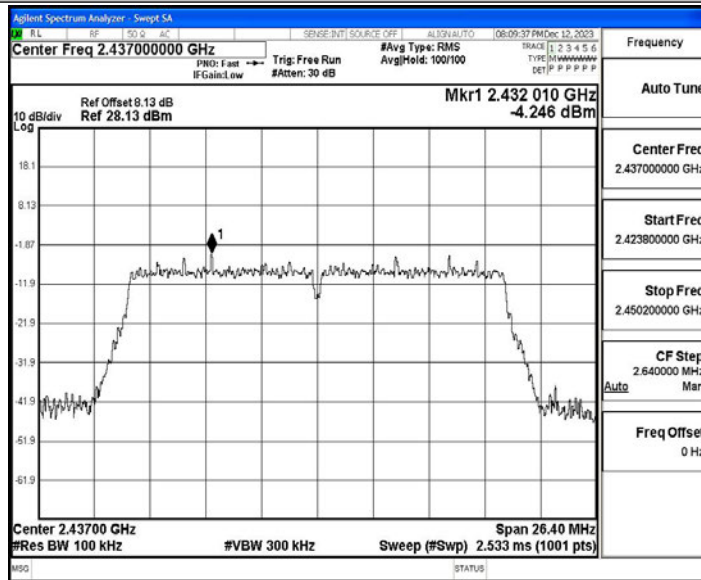


11N20SISO\_Ant1\_2412





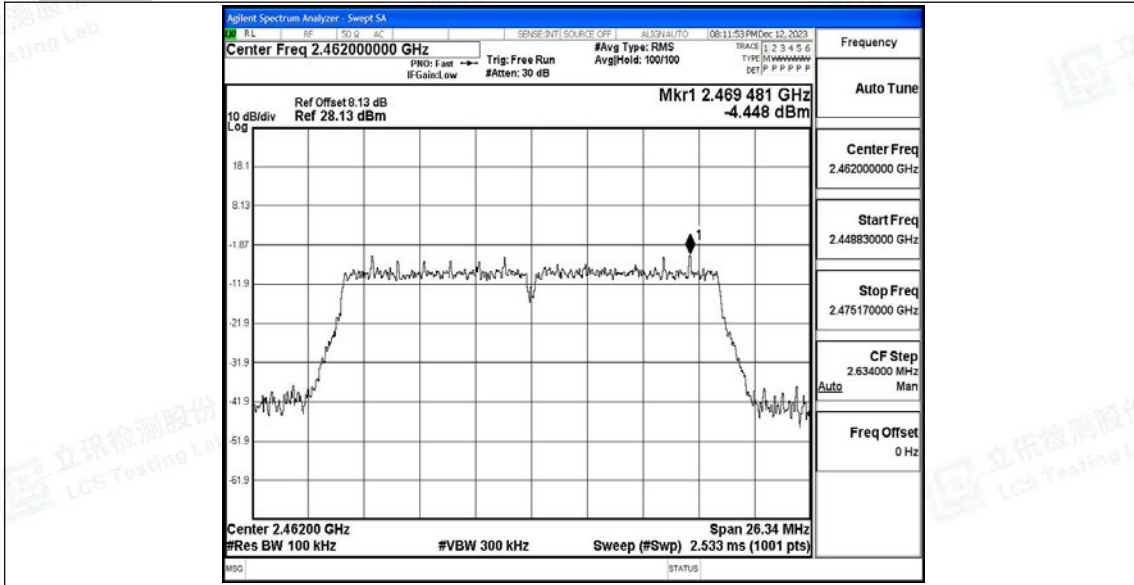
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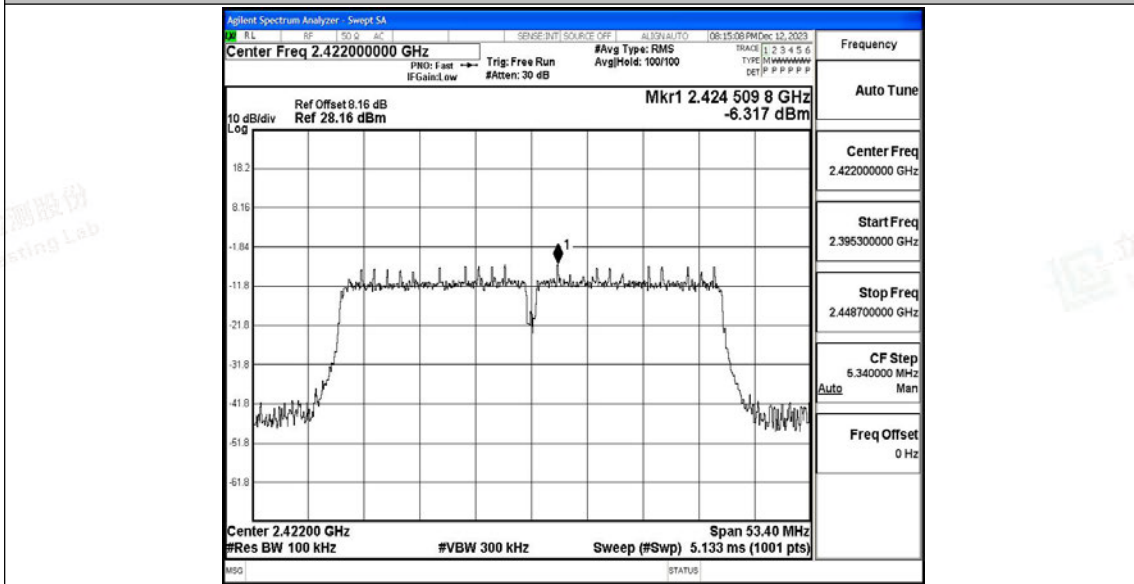
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11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437

