



Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: TABLET PC

Test Model: BELLATRIX

Environmental Conditions

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





C.1 DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant	2412	7.560	2408.440	2416.000	0.5	PASS
		2437	8.000	2433.000	2441.000	0.5	PASS
		2462	8.040	2457.960	2466.000	0.5	PASS
11G	Ant	2412	15.400	2404.480	2419.880	0.5	PASS
		2437	15.040	2429.480	2444.520	0.5	PASS
		2462	15.360	2454.120	2469.480	0.5	PASS
11N20SISO	Ant	2412	15.880	2404.480	2420.360	0.5	PASS
		2437	15.320	2429.440	2444.760	0.5	PASS
		2462	15.920	2453.600	2469.520	0.5	PASS
11N40SISO	Ant	2422	35.040	2404.480	2439.520	0.5	PASS
		2437	33.840	2420.680	2454.520	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

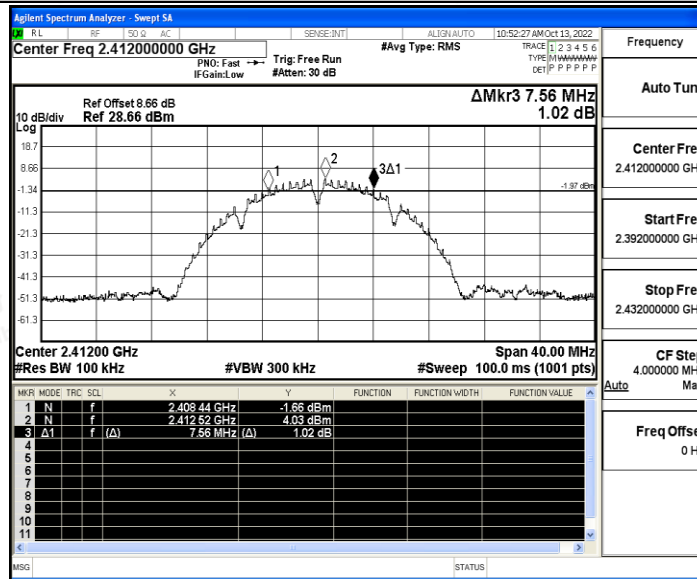


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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

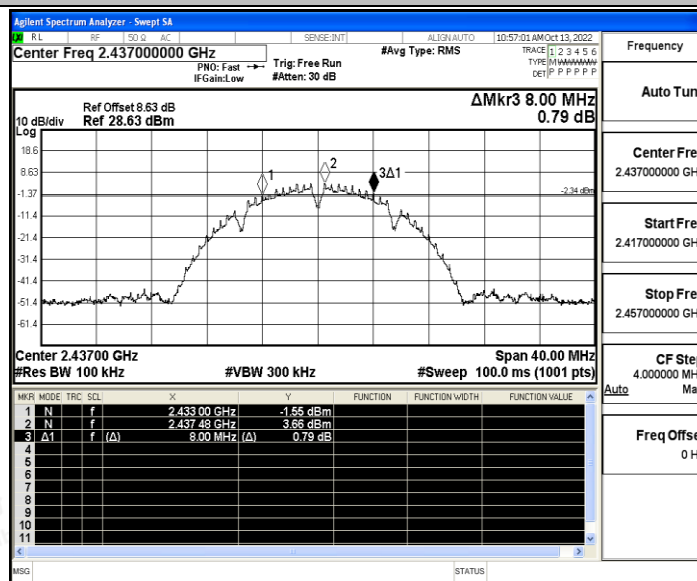


Test Graphs

11B_Ant_2412

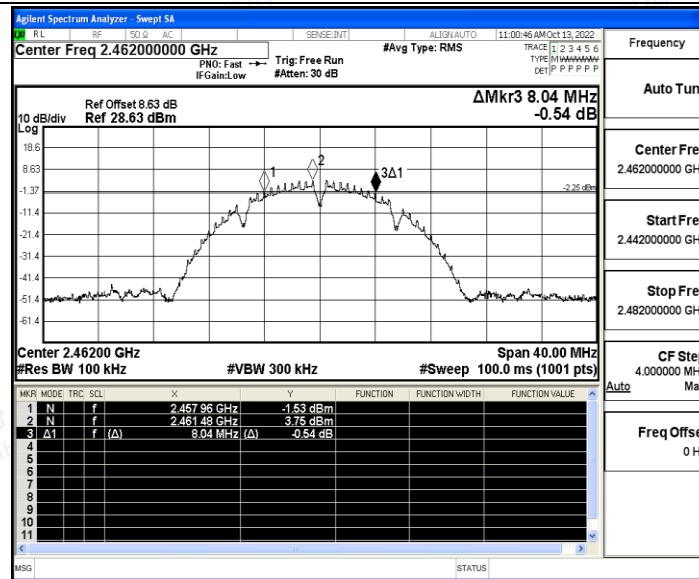


11B_Ant_2437

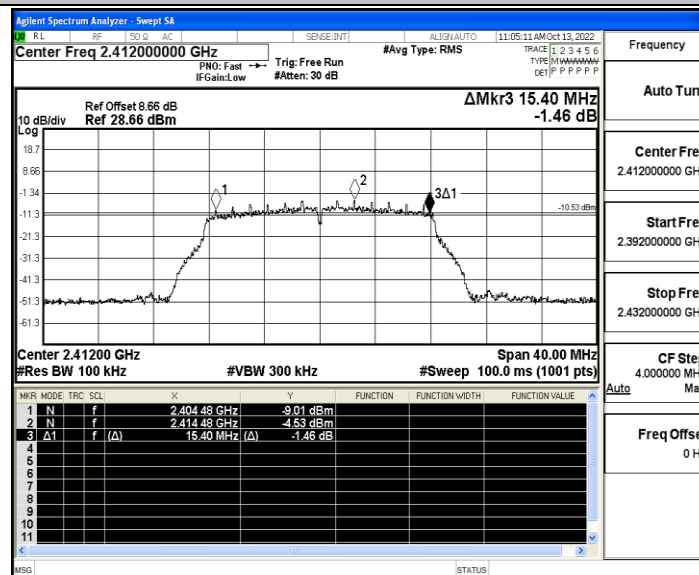


11B_Ant_2462



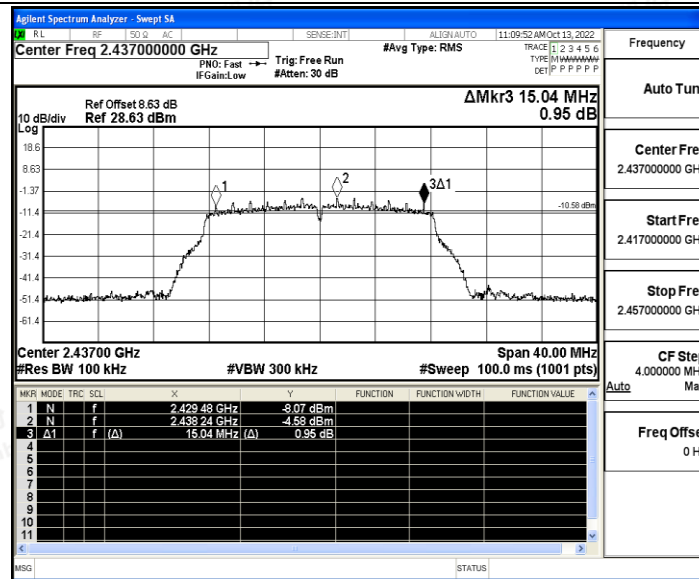


11G_Ant_2412

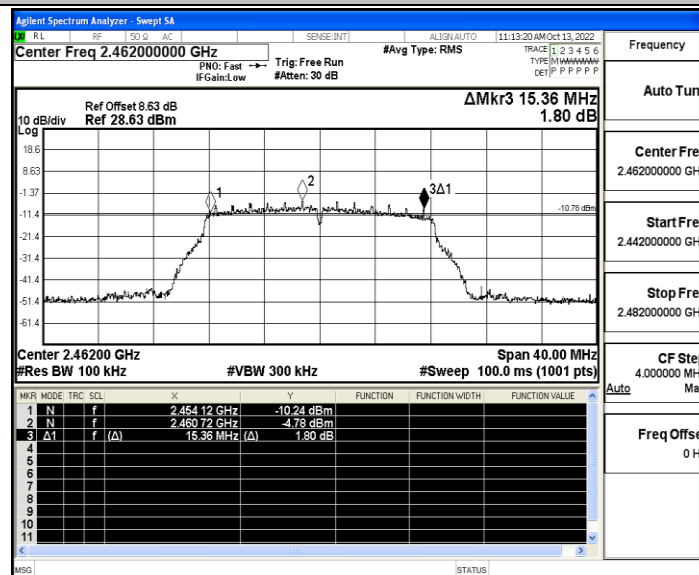


11G_Ant_2437



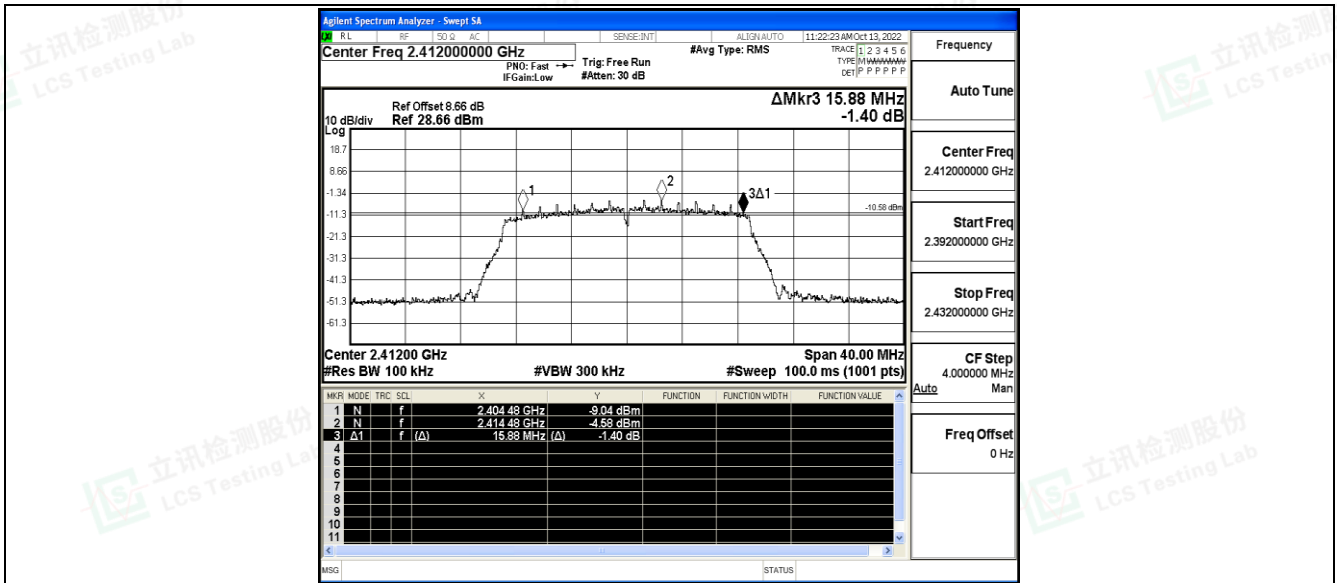


11G_Ant_2462

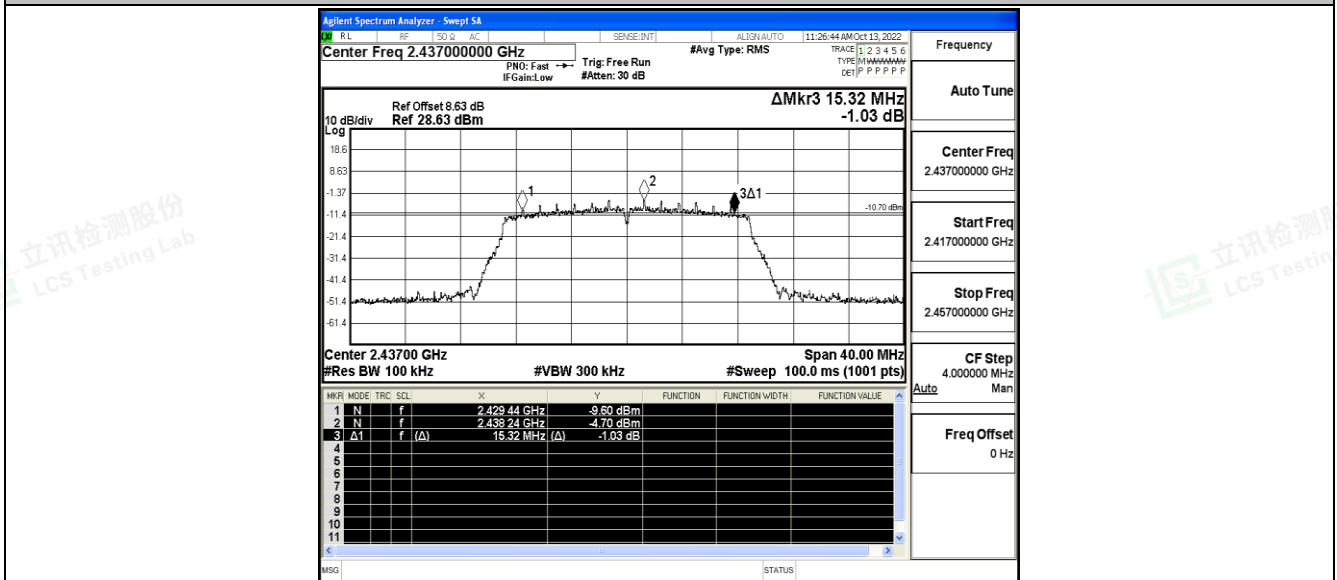


11N20SISO_Ant_2412



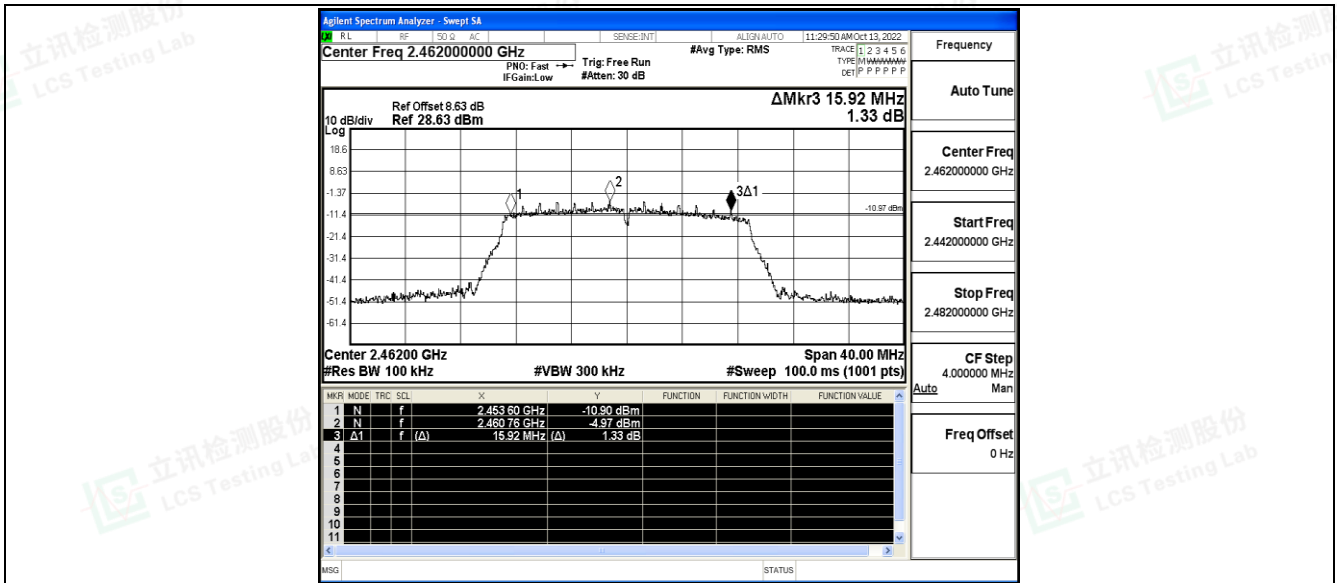


11N20SISO_Ant_2437

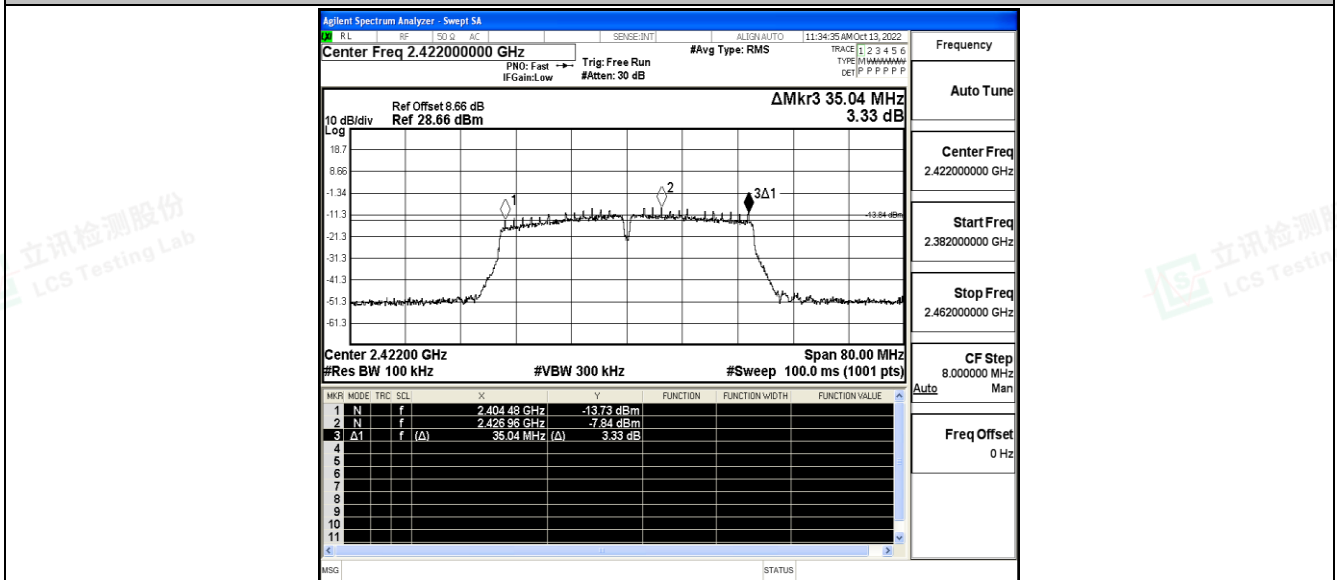


11N20SISO_Ant_2462



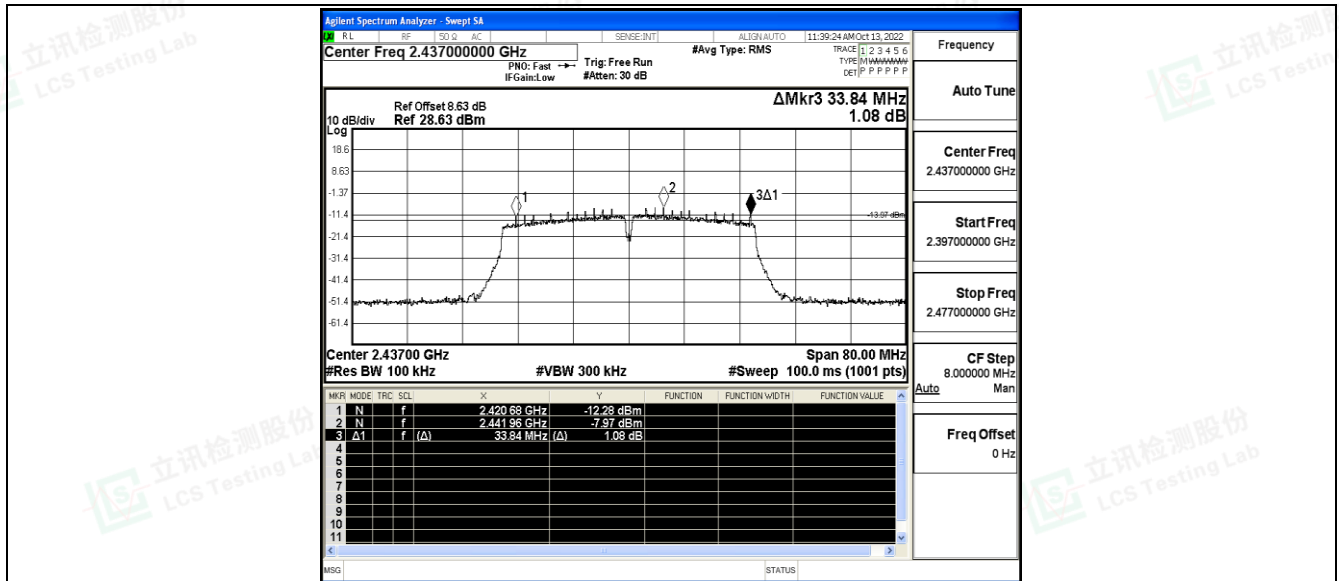


11N40SISO_Ant_2422

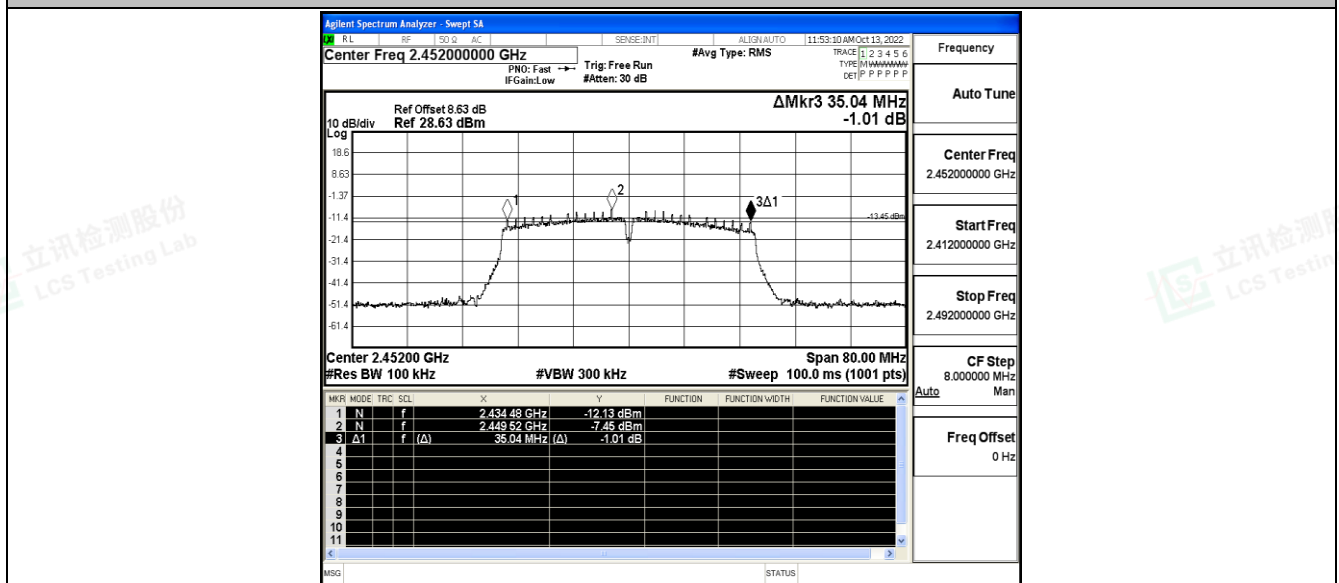


11N40SISO_Ant_2437





11N40SISO_Ant_2452





C.2 Maximum conducted output power

Test Result

TestMode	Antenna	Freq(MHz)	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant	2412	14.98	≤30.00	PASS
		2437	15.03	≤30.00	PASS
		2462	14.73	≤30.00	PASS
11G	Ant	2412	14.06	≤30.00	PASS
		2437	14.15	≤30.00	PASS
		2462	13.90	≤30.00	PASS
11N20SISO	Ant	2412	13.95	≤30.00	PASS
		2437	14.17	≤30.00	PASS
		2462	13.64	≤30.00	PASS
11N40SISO	Ant	2422	13.57	≤30.00	PASS
		2437	13.53	≤30.00	PASS
		2452	13.42	≤30.00	PASS





C.3 Maximum power spectral density

Test Result

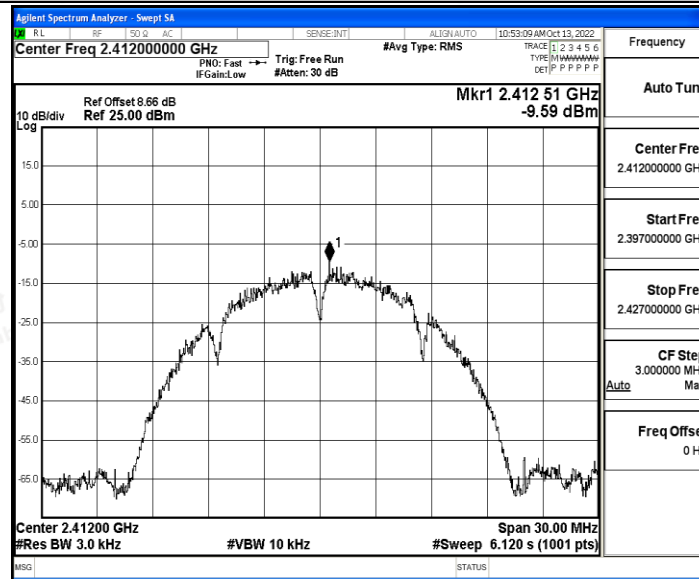
TestMode	Antenna	Freq(MHz)	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant	2412	-9.59	≤8.00	PASS
		2437	-10.75	≤8.00	PASS
		2462	-9.9	≤8.00	PASS
11G	Ant	2412	-19.9	≤8.00	PASS
		2437	-17.36	≤8.00	PASS
		2462	-19.17	≤8.00	PASS
11N20SISO	Ant	2412	-18.7	≤8.00	PASS
		2437	-19.51	≤8.00	PASS
		2462	-20.03	≤8.00	PASS
11N40SISO	Ant	2422	-23.15	≤8.00	PASS
		2437	-23.11	≤8.00	PASS
		2452	-22.3	≤8.00	PASS



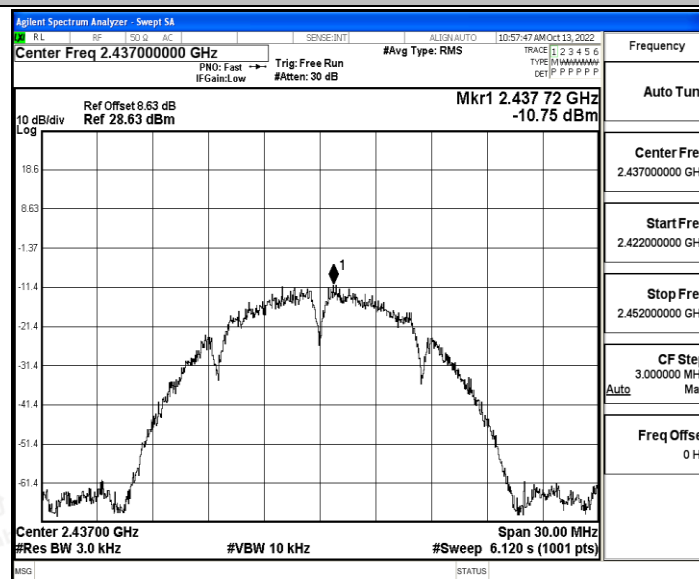


Test Graphs

11B_Ant_2412

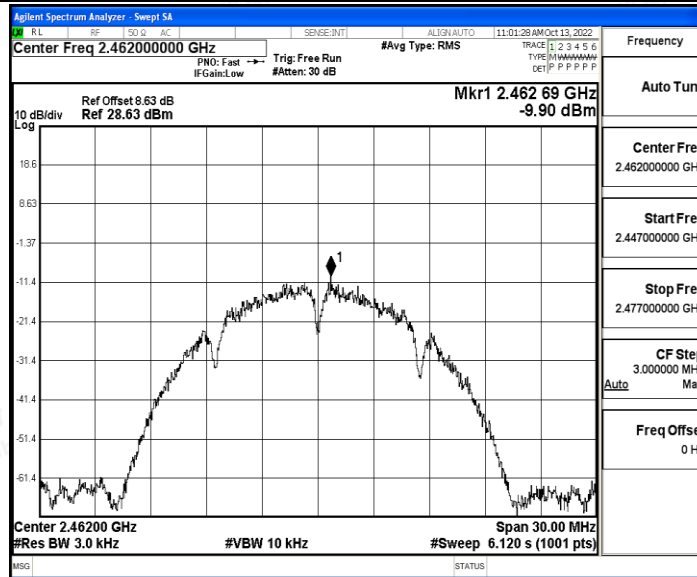


11B_Ant_2437

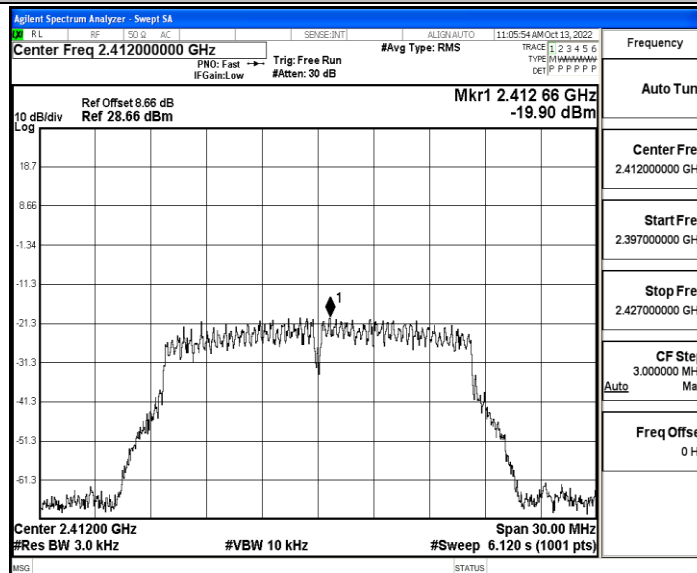


11B_Ant_2462



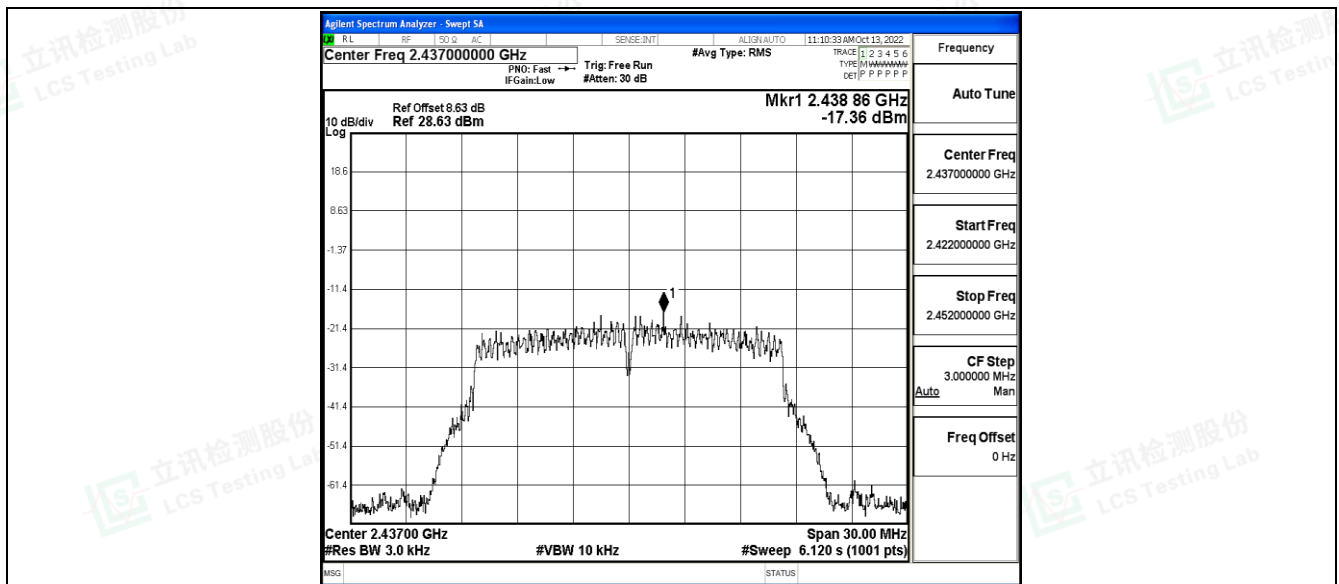


11G_Ant_2412

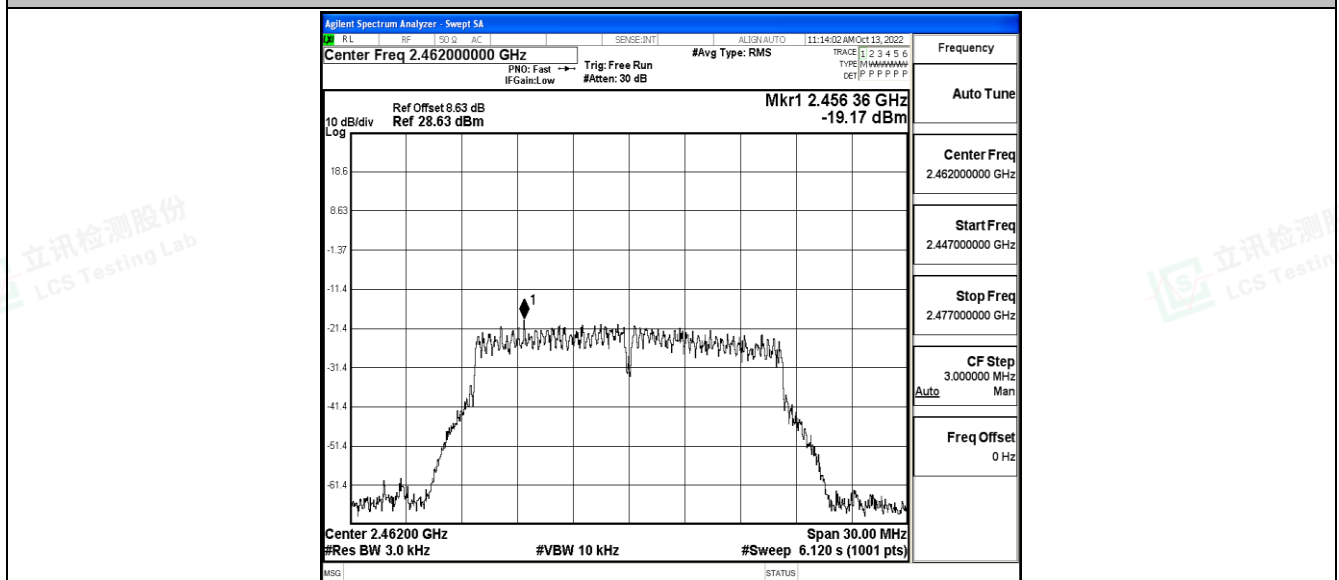


11G_Ant_2437



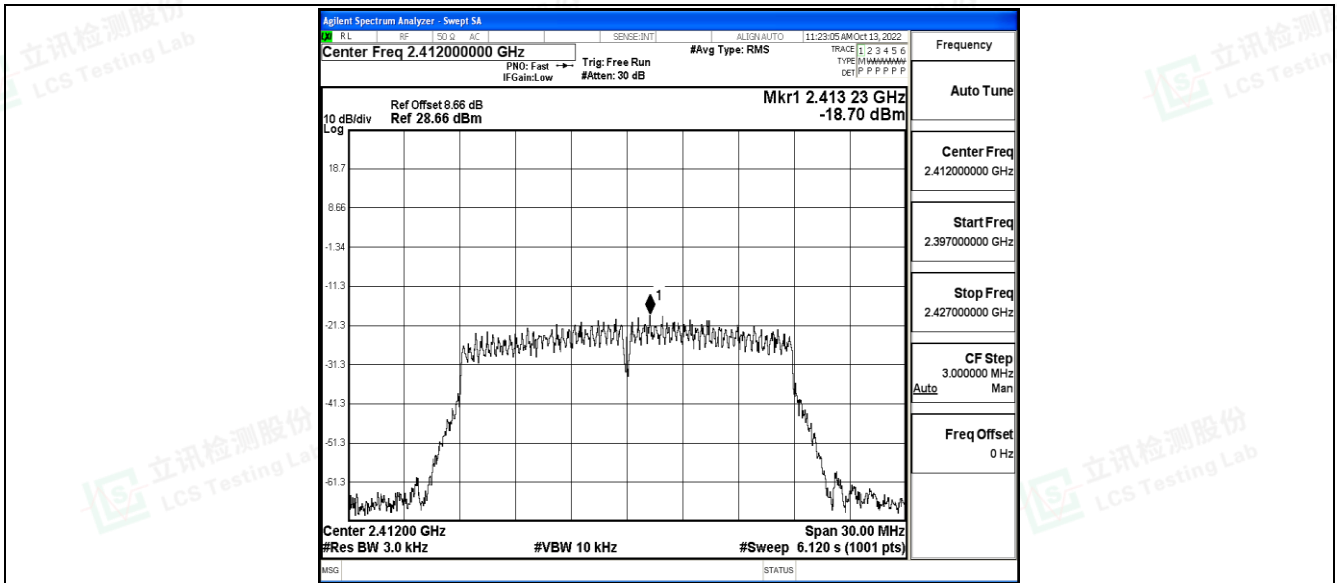


11G_Ant_2462

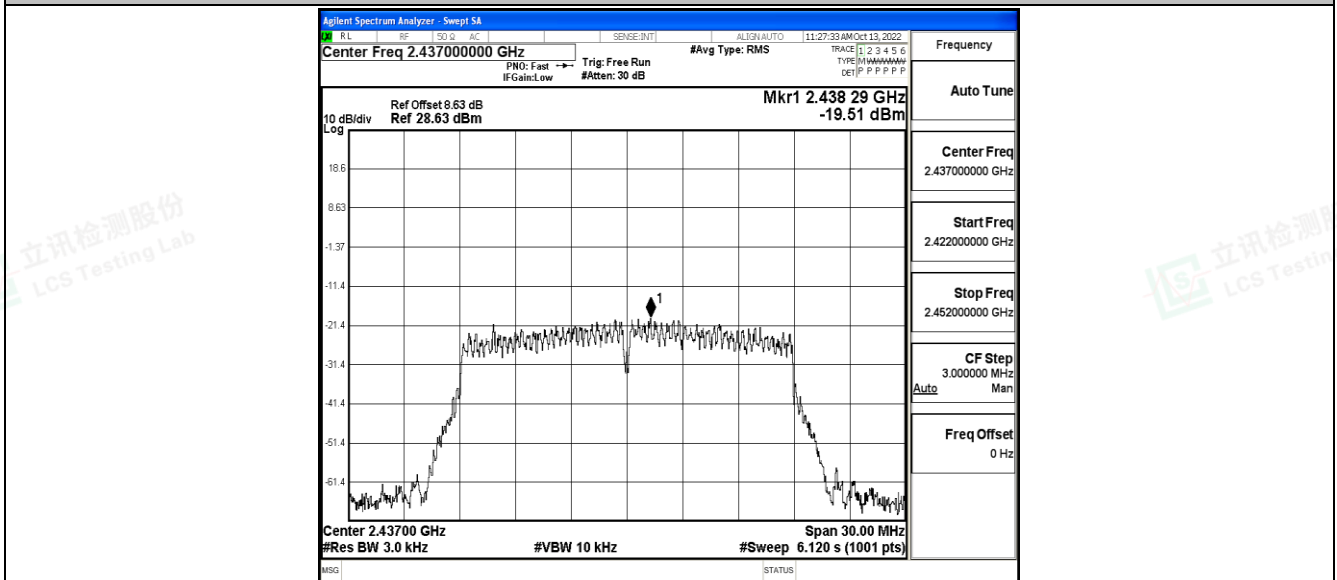


11N20SISO_Ant_2412



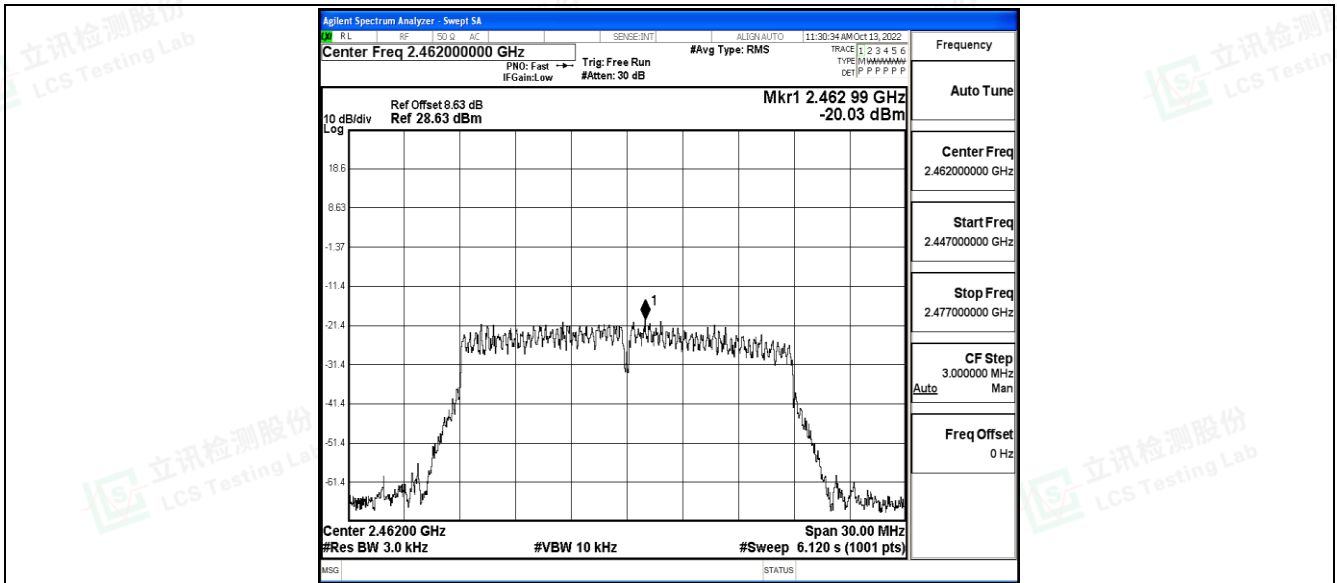


11N20SISO_Ant_2437

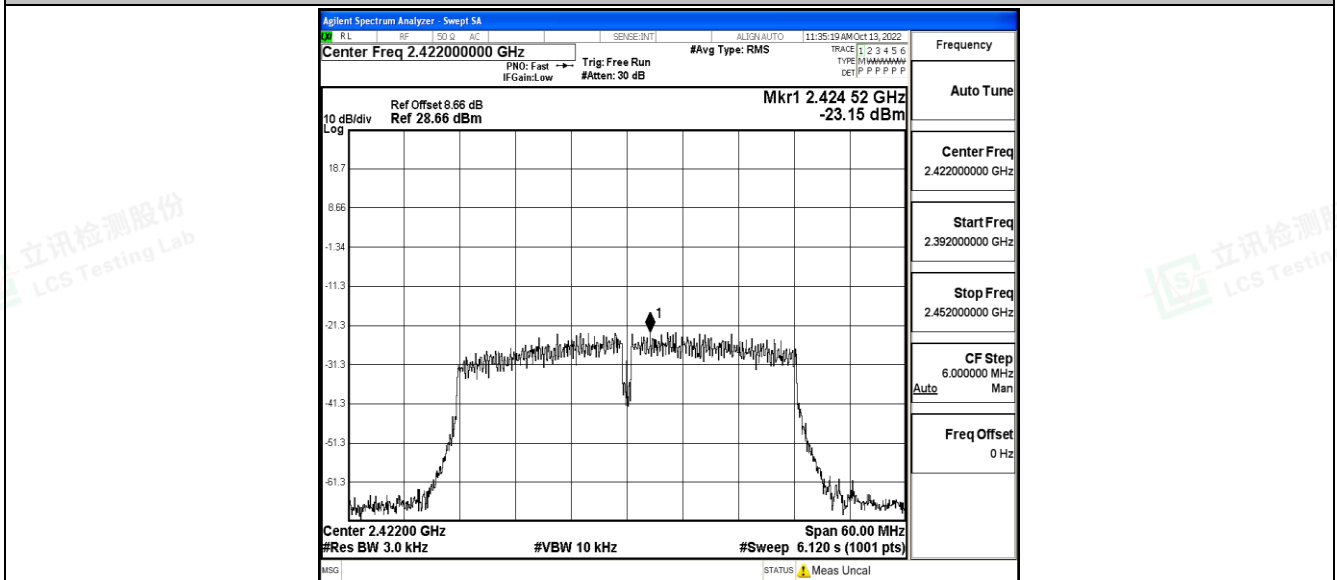


11N20SISO_Ant_2462



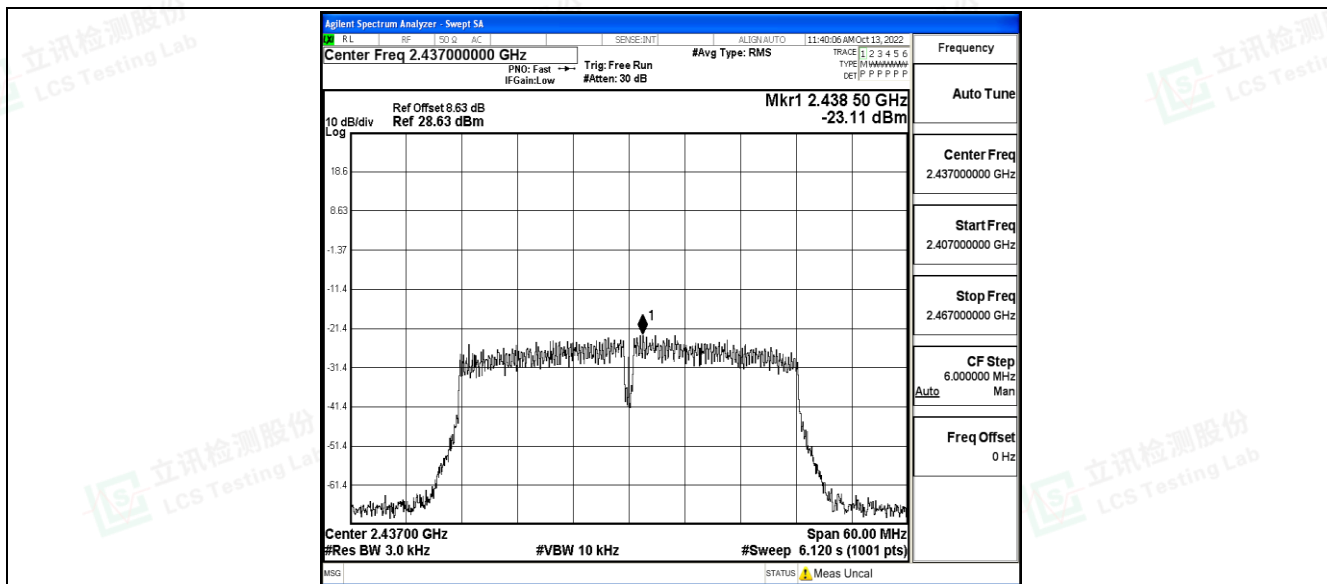


11N40SISO_Ant_2422

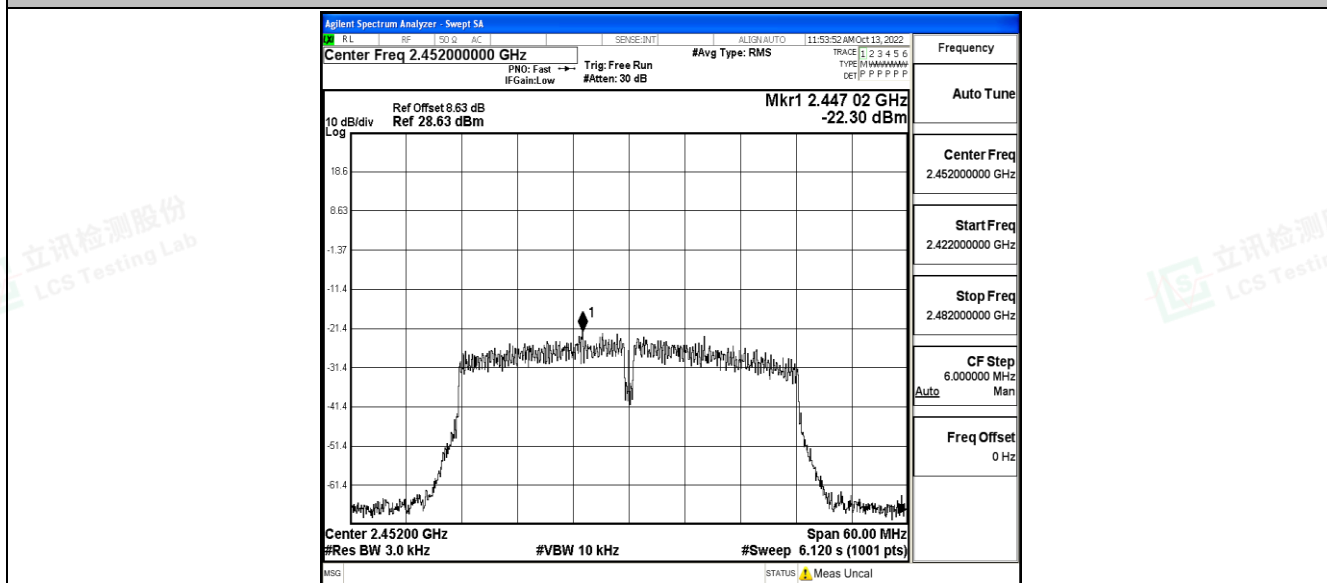


11N40SISO_Ant_2437





11N40SISO_Ant_2452





C.4 Band edge measurements

Test Result

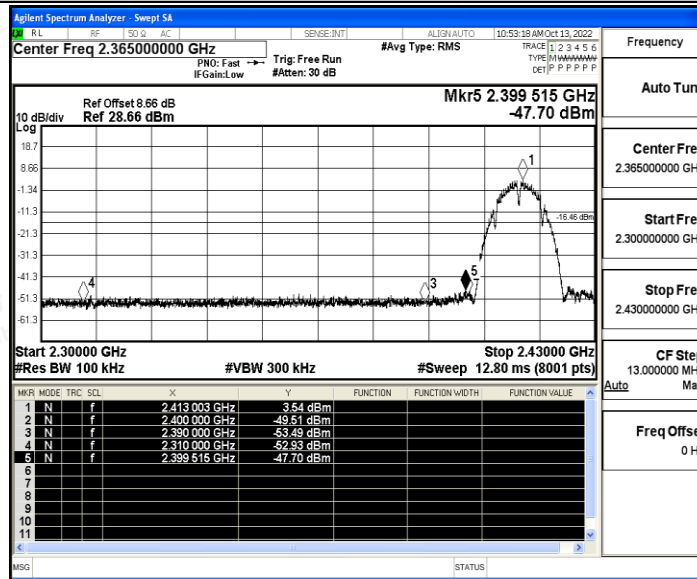
TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant	Low	2412	3.54	-47.7	≤ -16.46	PASS
		High	2462	3.33	-48.62	≤ -16.67	PASS
11G	Ant	Low	2412	-4.72	-47.42	≤ -24.72	PASS
		High	2462	-5.04	-48.44	≤ -25.04	PASS
11N20SISO	Ant	Low	2412	-3.97	-47.21	≤ -23.97	PASS
		High	2462	-4.91	-47.96	≤ -24.91	PASS
11N40SISO	Ant	Low	2422	-7.72	-48.52	≤ -27.72	PASS
		High	2452	-7.57	-48.58	≤ -27.57	PASS



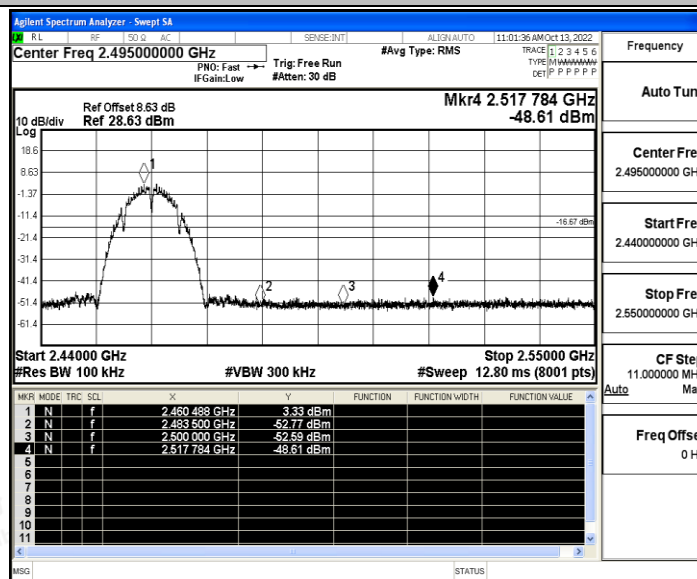


Test Graphs

11B_Ant_Low_2412

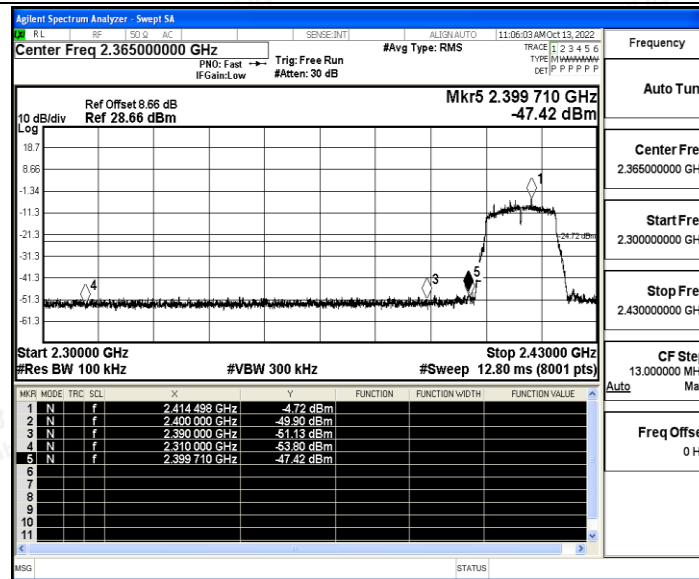


11B_Ant_High_2462

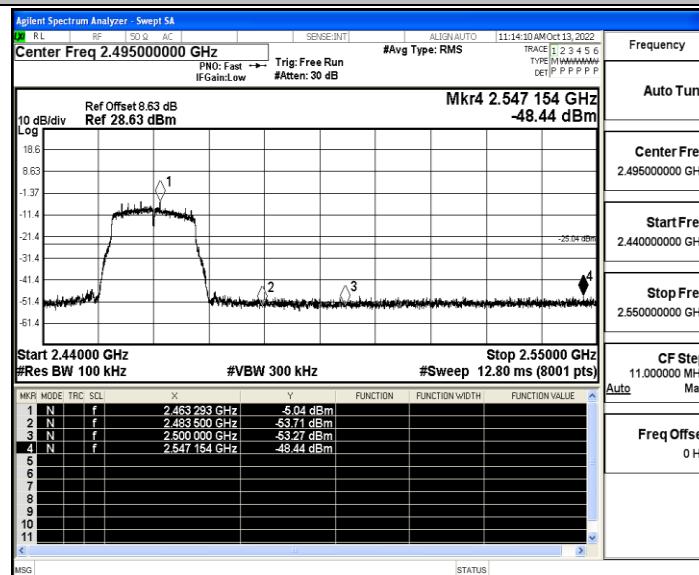


11G_Ant_Low_2412



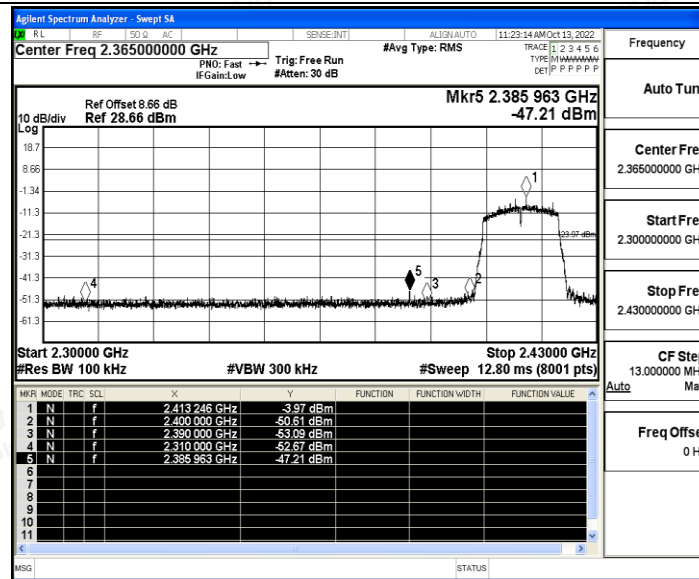


11G_Ant_High_2462

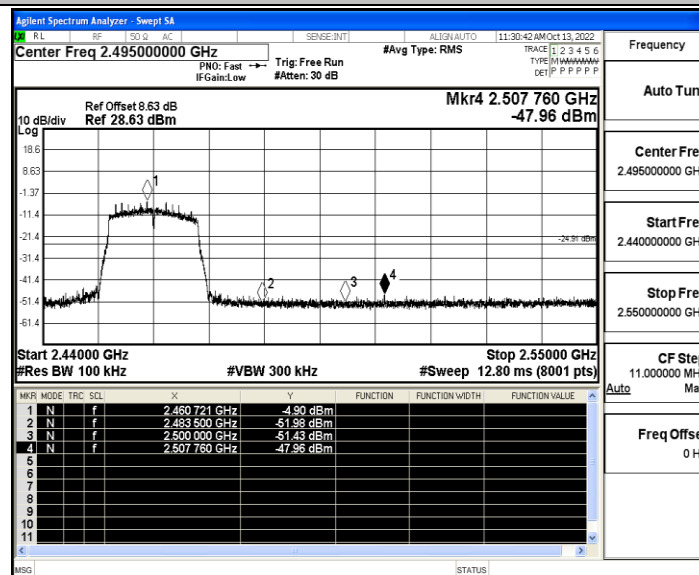


11N20SISO_Ant_Low_2412



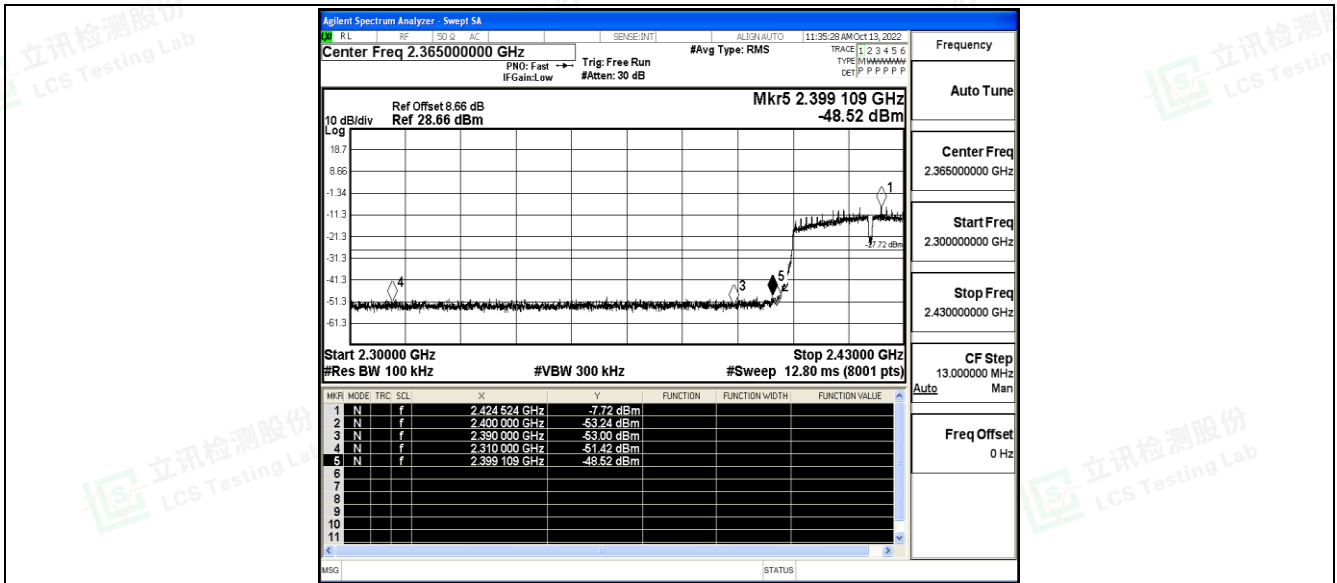


11N20SISO_Ant_High_2462

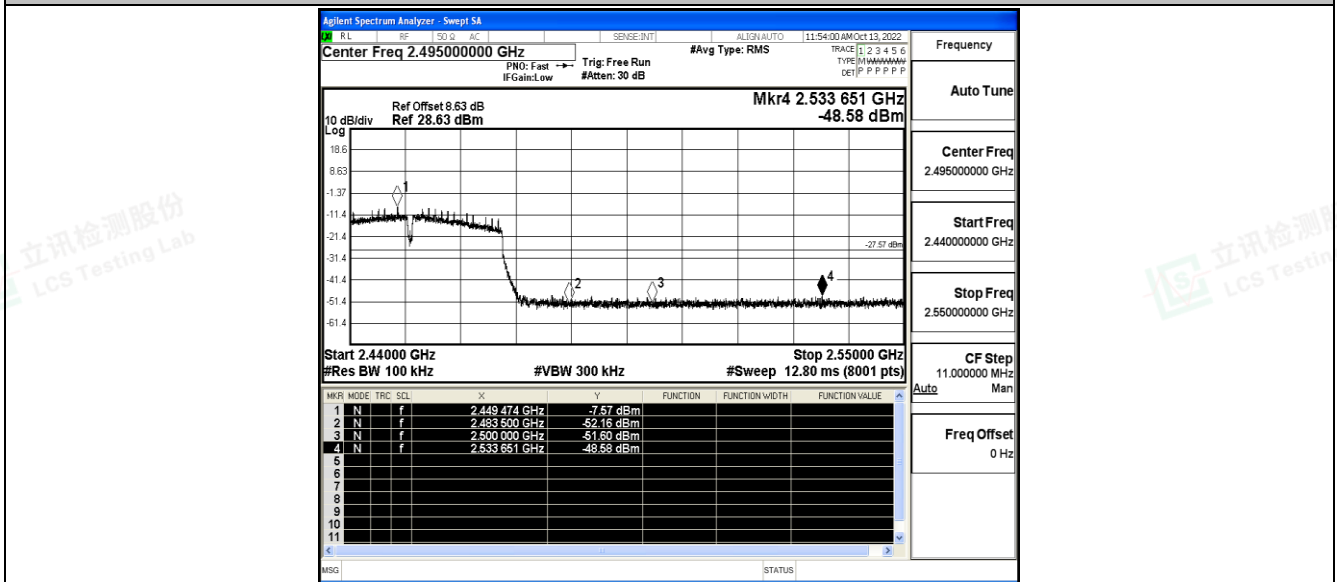


11N40SISO_Ant_Low_2422





11N40SISO_Ant_High_2452





C.5 Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant	2412	Reference	2.93	2.93	---	PASS
			30~1000	2.93	-60.03	≤ -17.07	PASS
			1000~26500	2.93	-46.14	≤ -17.07	PASS
		2437	Reference	3.34	3.34	---	PASS
			30~1000	3.34	-60.48	≤ -16.66	PASS
			1000~26500	3.34	-45.53	≤ -16.66	PASS
		2462	Reference	2.61	2.61	---	PASS
			30~1000	2.61	-60.43	≤ -17.39	PASS
			1000~26500	2.61	-44.77	≤ -17.39	PASS
11G	Ant	2412	Reference	-4.16	-4.16	---	PASS
			30~1000	-4.16	-60.07	≤ -24.16	PASS
			1000~26500	-4.16	-46.25	≤ -24.16	PASS
		2437	Reference	-6.65	-6.65	---	PASS
			30~1000	-6.65	-59.07	≤ -26.65	PASS
			1000~26500	-6.65	-46.11	≤ -26.65	PASS
		2462	Reference	-8.21	-8.21	---	PASS
			30~1000	-8.21	-60.24	≤ -28.21	PASS
			1000~26500	-8.21	-46.27	≤ -28.21	PASS
11N20SISO	Ant	2412	Reference	-7.39	-7.39	---	PASS
			30~1000	-7.39	-60.5	≤ -27.39	PASS
			1000~26500	-7.39	-45.61	≤ -27.39	PASS
		2437	Reference	-7.47	-7.47	---	PASS
			30~1000	-7.47	-60.54	≤ -27.47	PASS
			1000~26500	-7.47	-46.32	≤ -27.47	PASS
		2462	Reference	-6.42	-6.42	---	PASS
			30~1000	-6.42	-60.22	≤ -26.42	PASS
			1000~26500	-6.42	-45.3	≤ -26.42	PASS
11N40SISO	Ant	2422	Reference	-9.47	-9.47	---	PASS
			30~1000	-9.47	-60.44	≤ -29.47	PASS
			1000~26500	-9.47	-45.14	≤ -29.47	PASS
		2437	Reference	-7.72	-7.72	---	PASS
			30~1000	-7.72	-60.85	≤ -27.72	PASS
			1000~26500	-7.72	-45.71	≤ -27.72	PASS
		2452	Reference	-7.95	-7.95	---	PASS
			30~1000	-7.95	-60.72	≤ -27.95	PASS



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			1000~26500	-7.95	-45.47	≤-27.95	PASS
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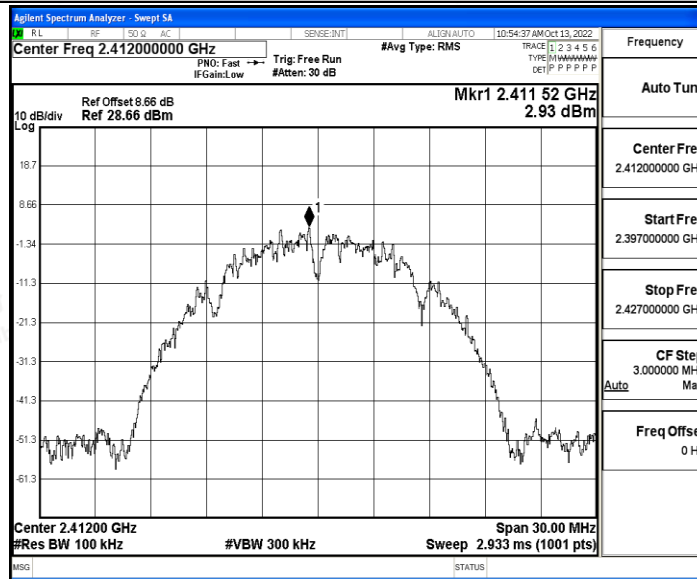


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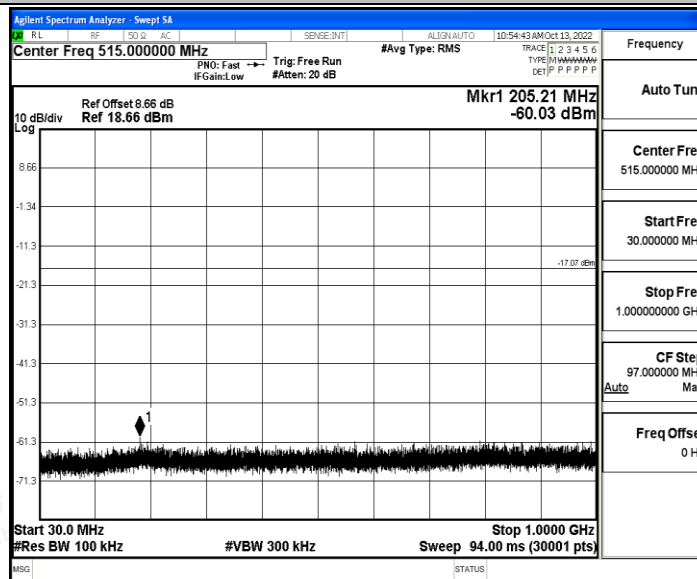


Test Graphs

11B_Ant_2412_0~Reference

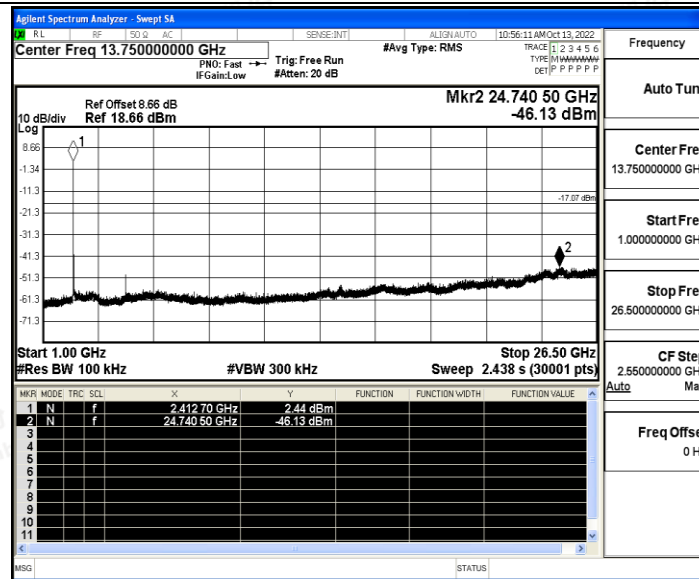


11B_Ant_2412_30~1000

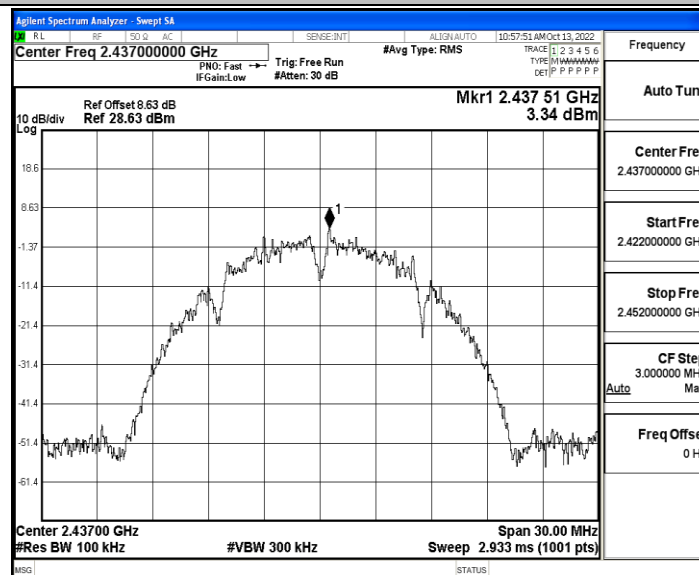


11B_Ant_2412_1000~26500



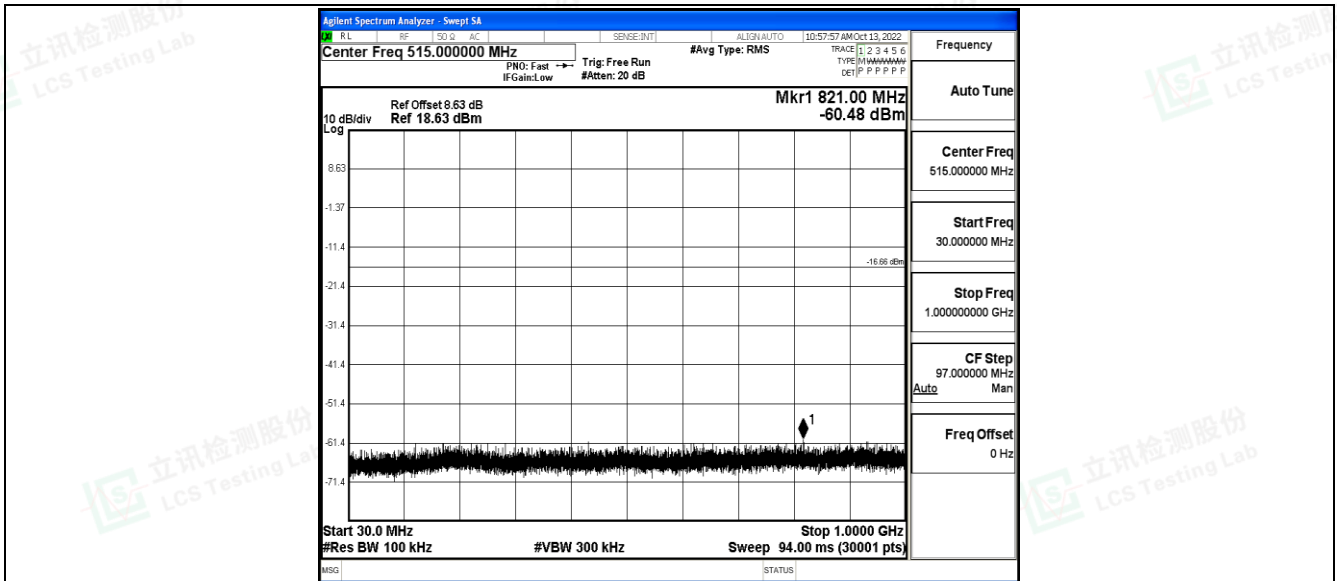


11B_Ant_2437_0~Reference

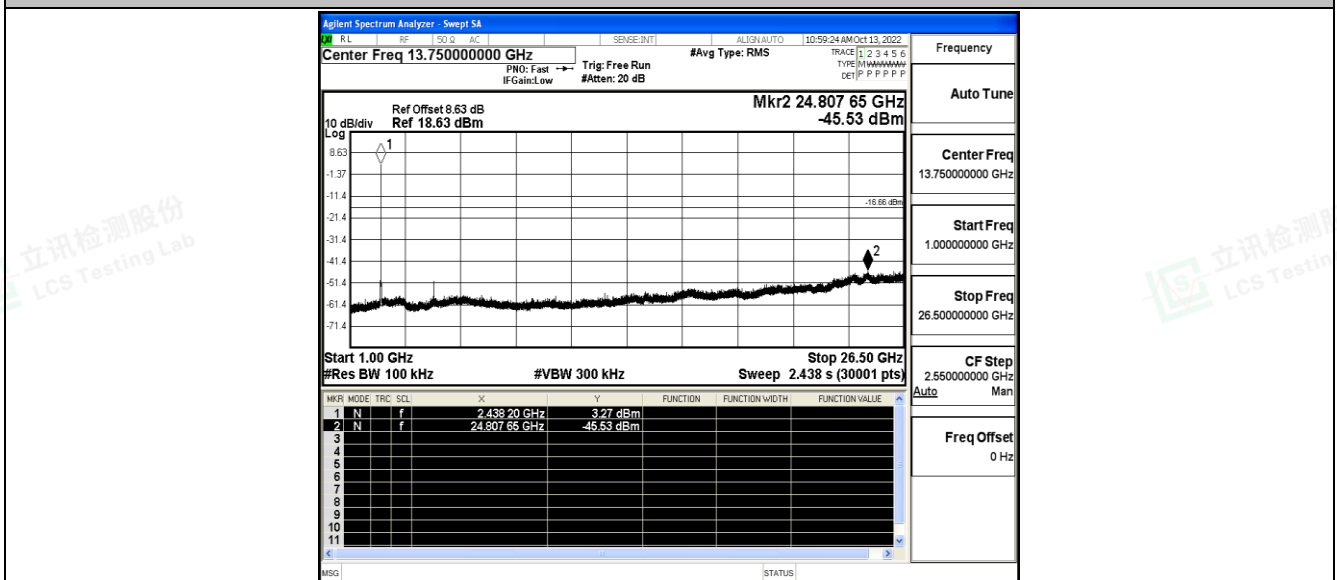


11B_Ant_2437_30~1000



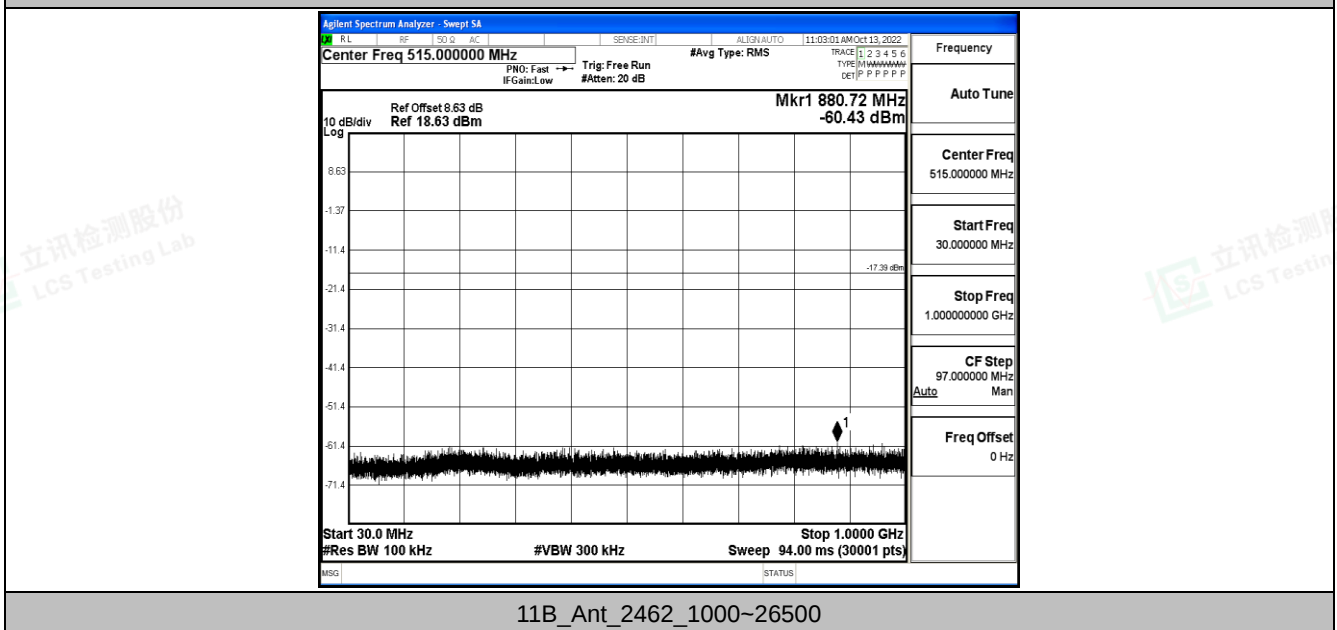
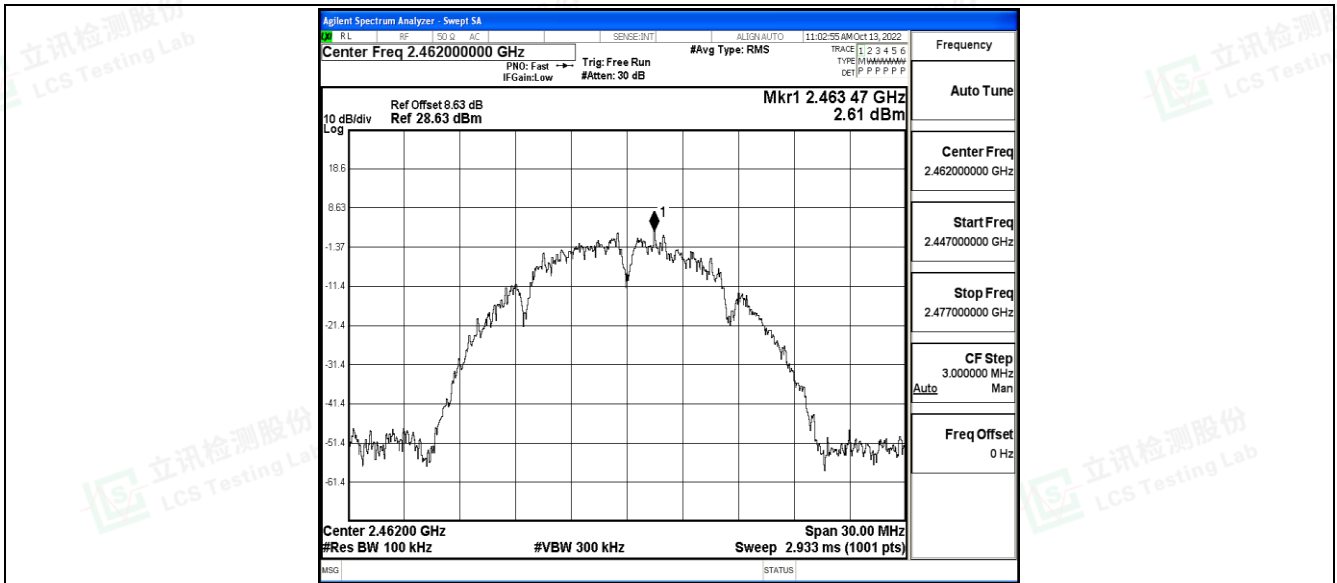


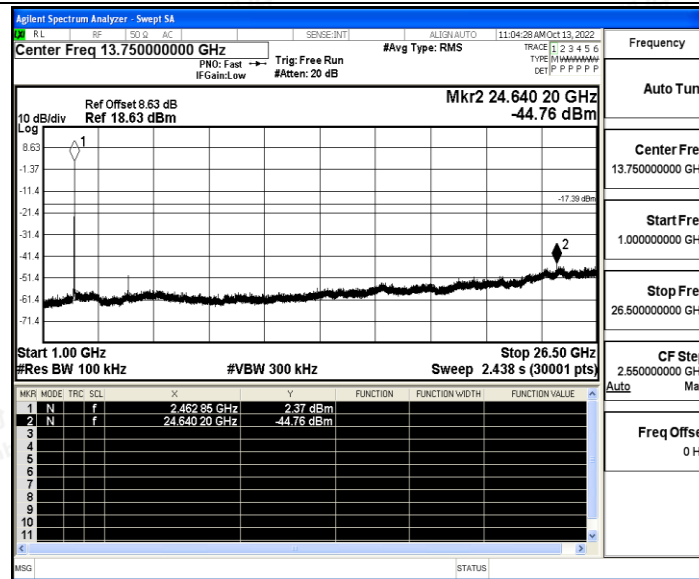
11B_Ant_2437_1000~26500



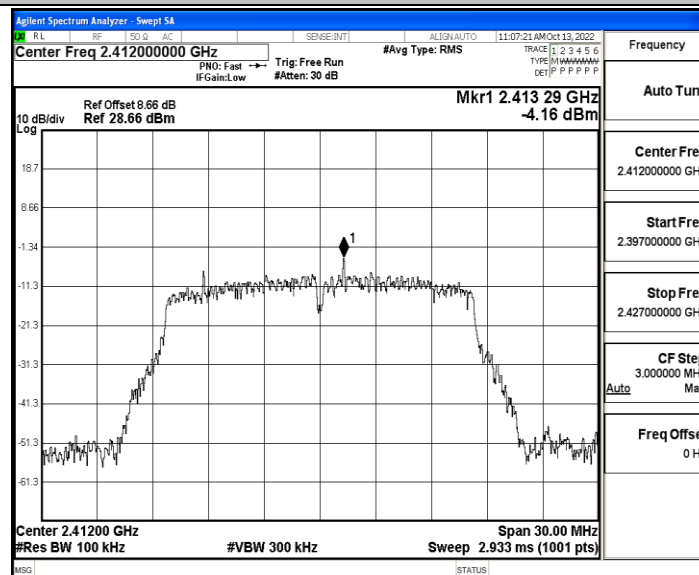
11B_Ant_2462_0~Reference





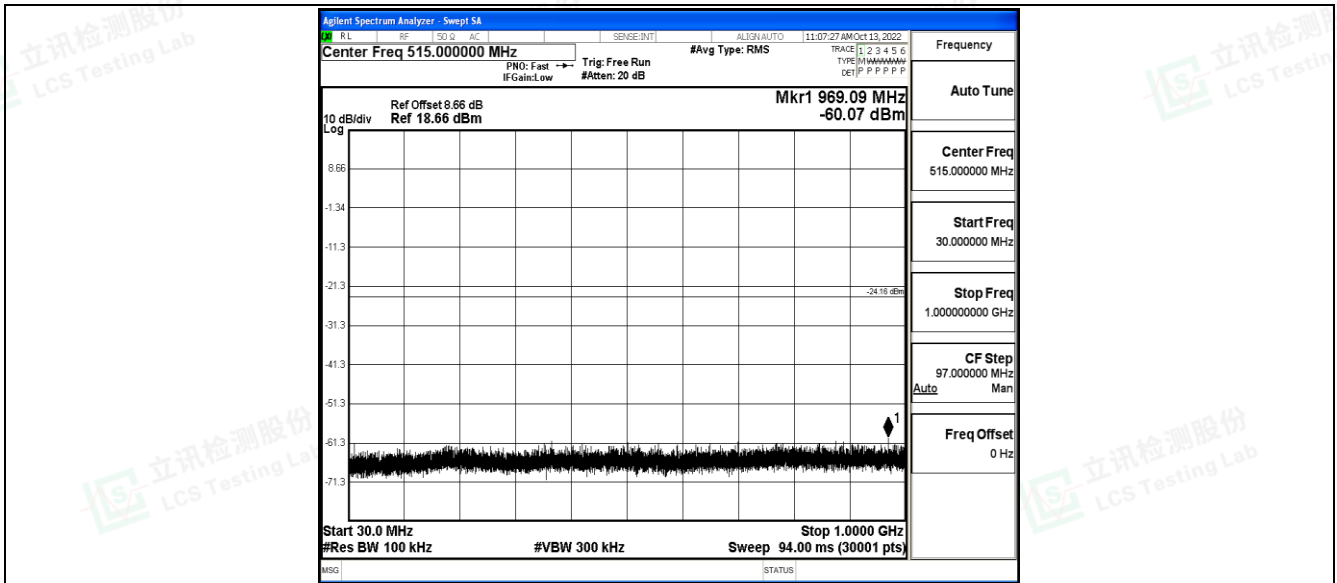


11G_Ant_2412_0~Reference

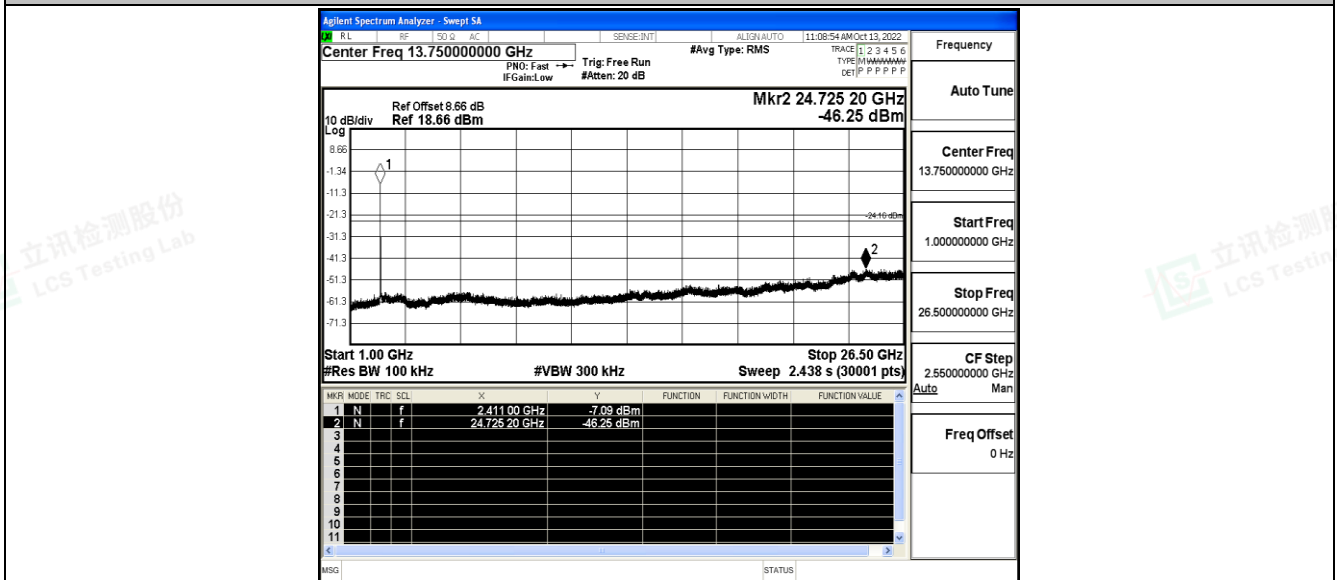


11G_Ant_2412_30~1000





11G_Ant_2412_1000~26500



11G_Ant_2437_0~Reference



