



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Tablet

Test Model: 10LC1

Environmental Conditions

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



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C.1 DTS Bandwidth

Test Result

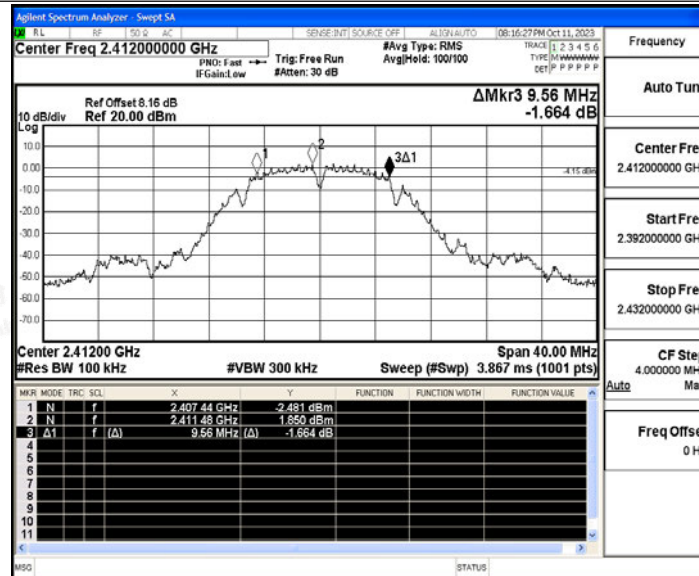
TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.560	2407.440	2417.000	0.5	PASS
		2437	9.040	2432.480	2441.520	0.5	PASS
		2462	9.080	2457.440	2466.520	0.5	PASS
11G	Ant1	2412	16.280	2403.840	2420.120	0.5	PASS
		2437	15.080	2429.680	2444.760	0.5	PASS
		2462	15.040	2454.720	2469.760	0.5	PASS
11N20SISO	Ant1	2412	17.640	2403.160	2420.800	0.5	PASS
		2437	17.560	2428.200	2445.760	0.5	PASS
		2462	17.560	2453.200	2470.760	0.5	PASS



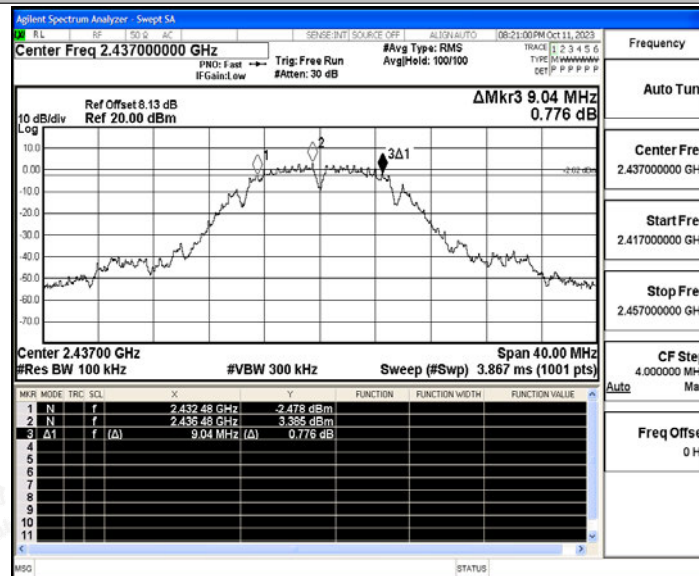


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

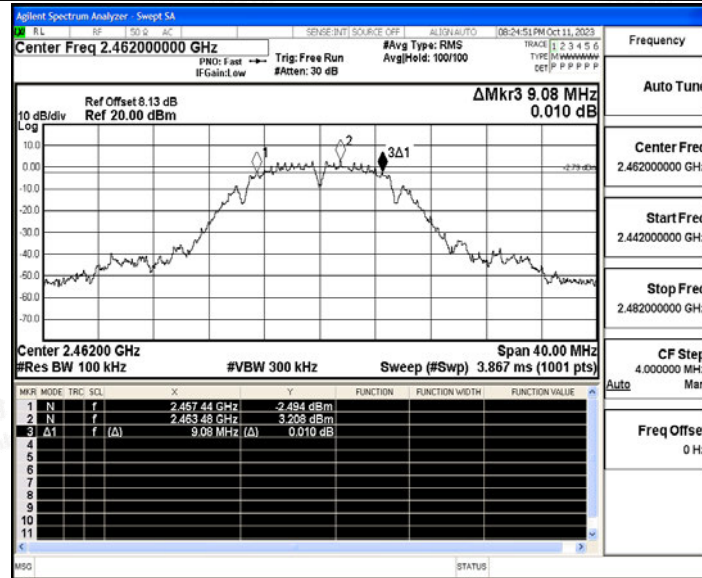


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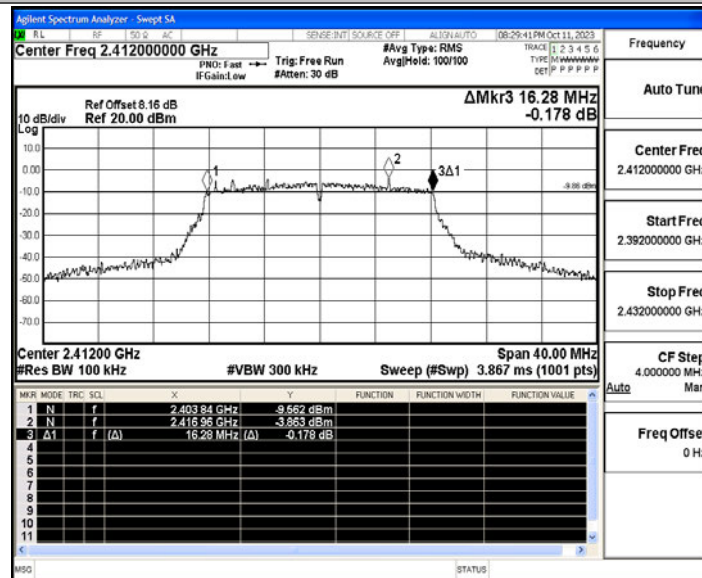
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11G_Ant1_2412



11G_Ant1_2437

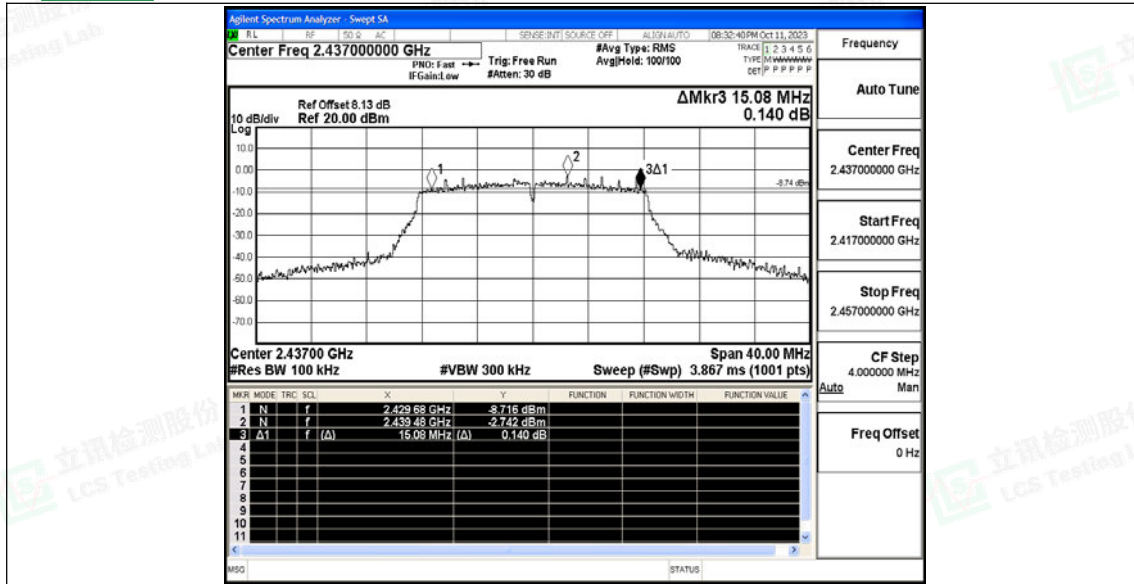


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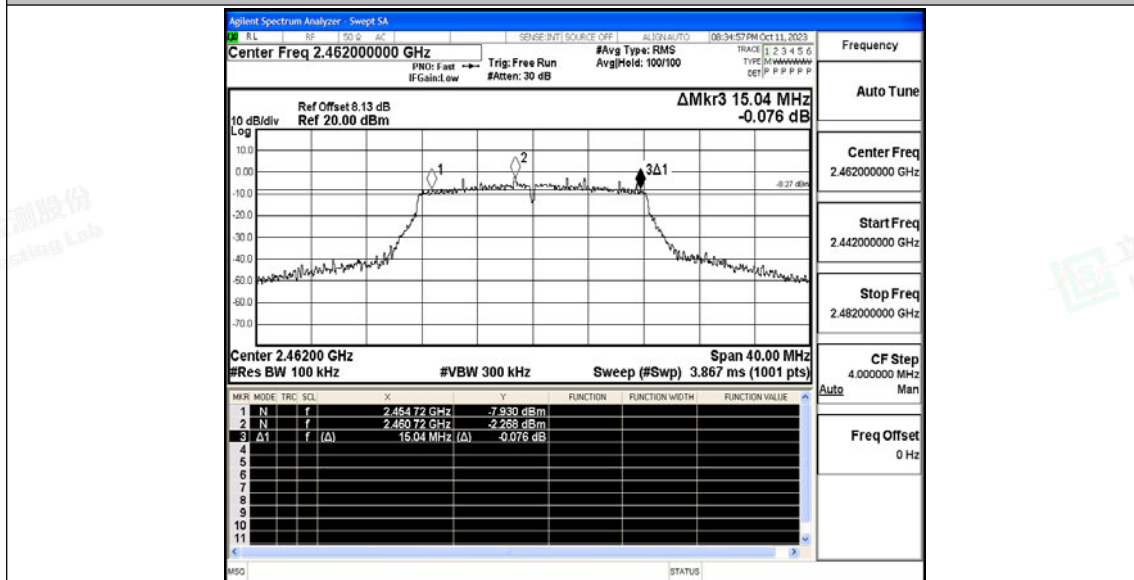
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11G_Ant1_2462



11N20SISO_Ant1_2412

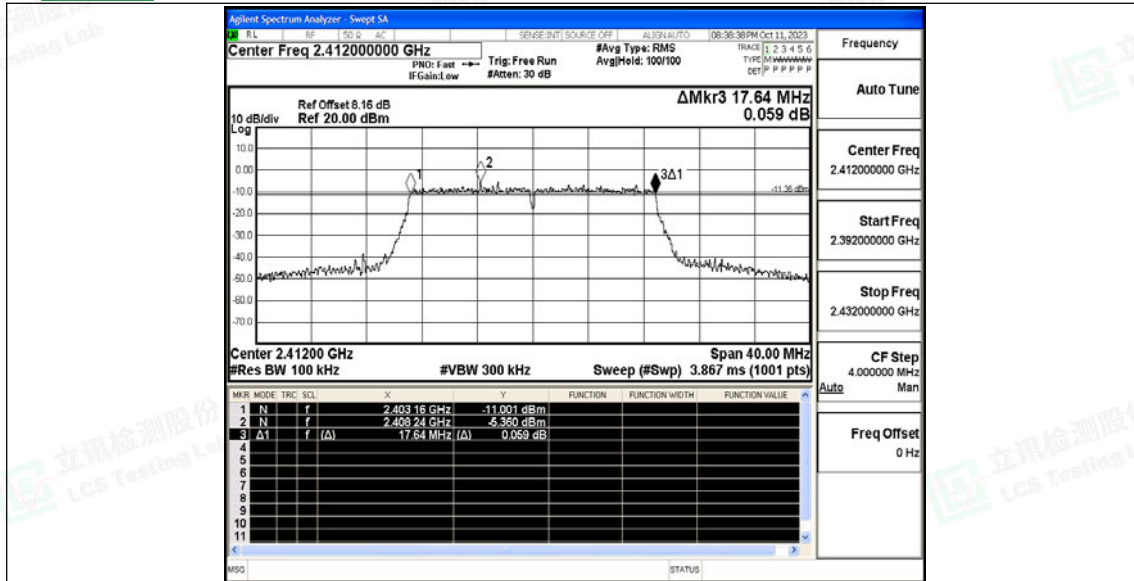


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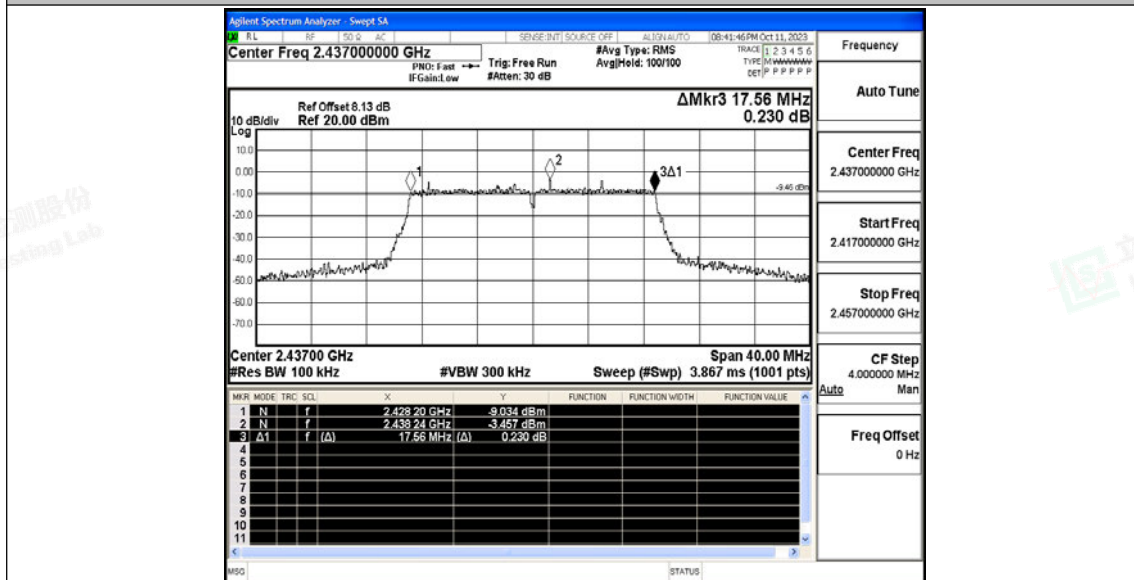
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11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

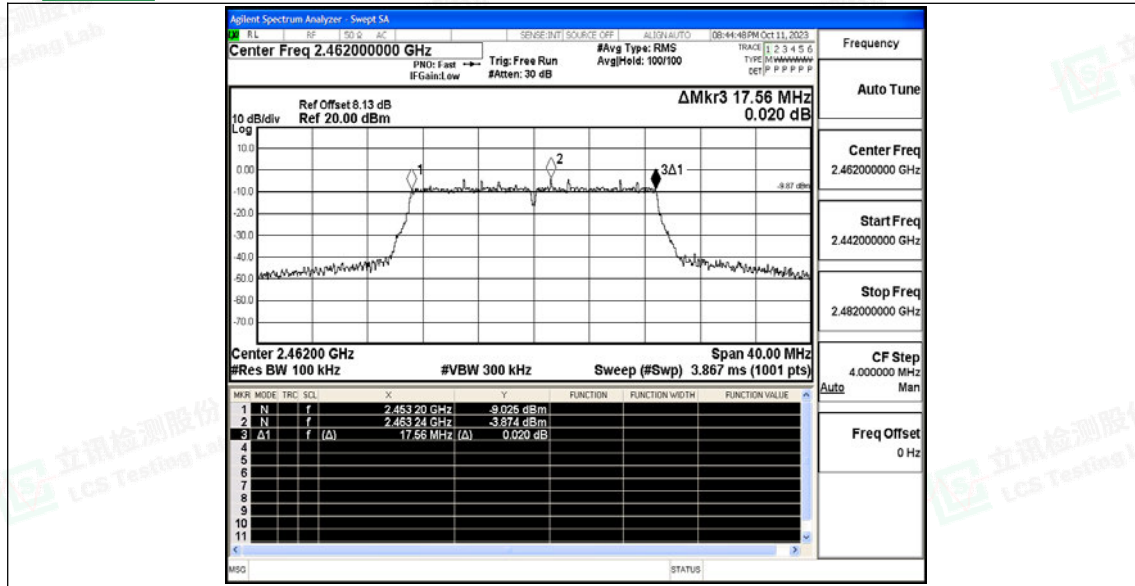


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C.2 Maximum conducted output power

Test Result Peak

TestMode	Antenna	Freq(MHz)	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	14.38	≤30.00	PASS
		2437	15.00	≤30.00	PASS
		2462	14.98	≤30.00	PASS
11G	Ant1	2412	14.08	≤30.00	PASS
		2437	14.49	≤30.00	PASS
		2462	14.60	≤30.00	PASS
11N20SISO	Ant1	2412	12.97	≤30.00	PASS
		2437	13.73	≤30.00	PASS
		2462	13.56	≤30.00	PASS





C.3 Maximum power spectral density

Test Result

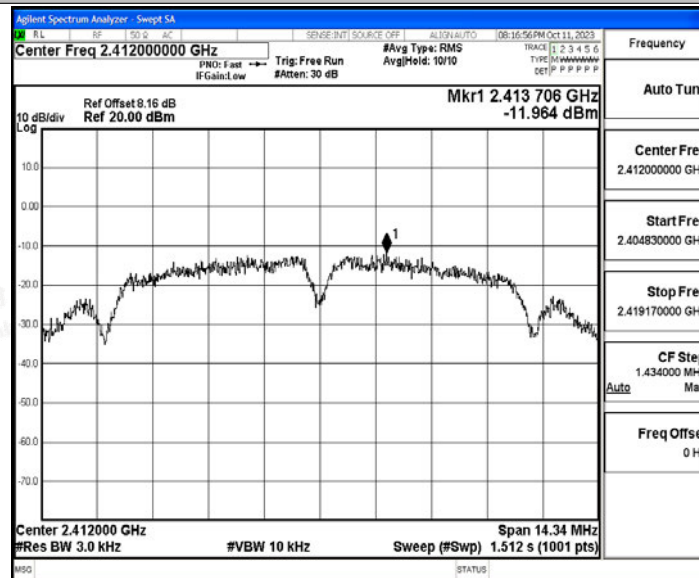
TestMode	Antenna	Freq(MHz)	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Gain [dBi]	EIRP [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-11.96	≤8.00	0.00	-11.96	---	PASS
		2437	-7.92	≤8.00	0.00	-7.92	---	PASS
		2462	-13.17	≤8.00	0.00	-13.17	---	PASS
11G	Ant1	2412	-17.17	≤8.00	0.00	-17.17	---	PASS
		2437	-16.3	≤8.00	0.00	-16.30	---	PASS
		2462	-15.57	≤8.00	0.00	-15.57	---	PASS
11N20SISO	Ant1	2412	-18.82	≤8.00	0.00	-18.82	---	PASS
		2437	-18.22	≤8.00	0.00	-18.22	---	PASS
		2462	-17.84	≤8.00	0.00	-17.84	---	PASS



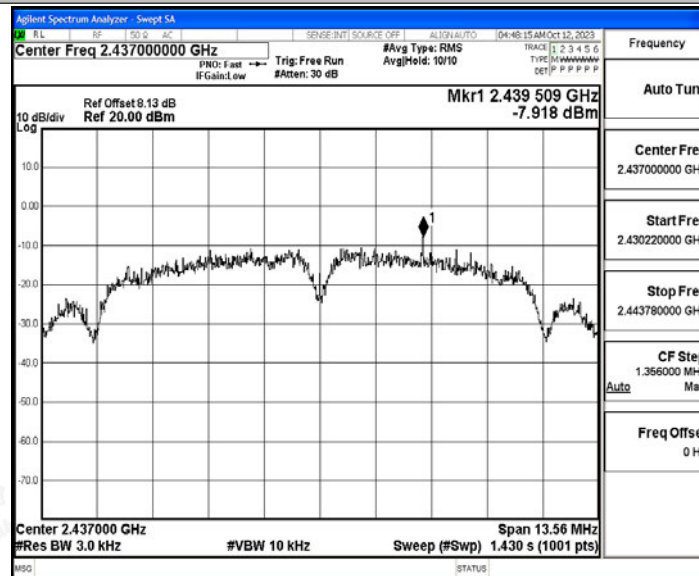


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

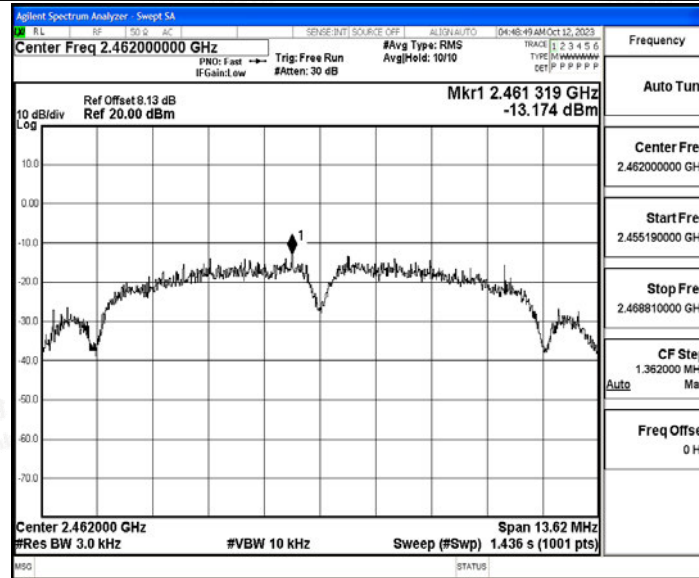


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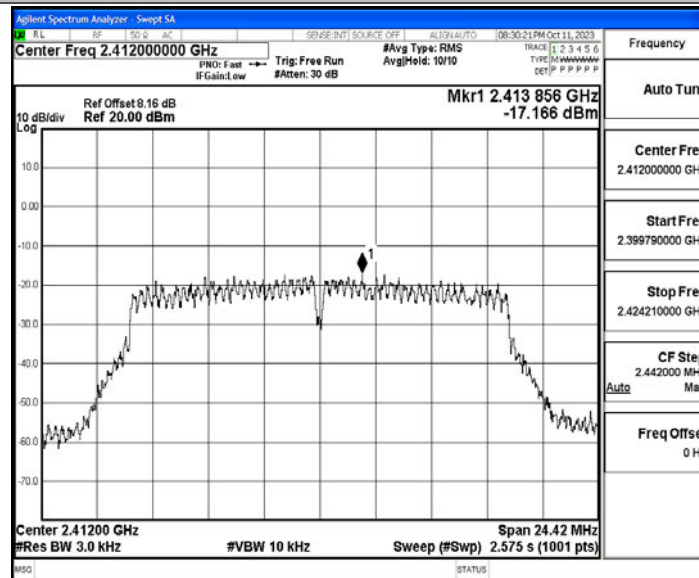
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11G_Ant1_2412



11G_Ant1_2437

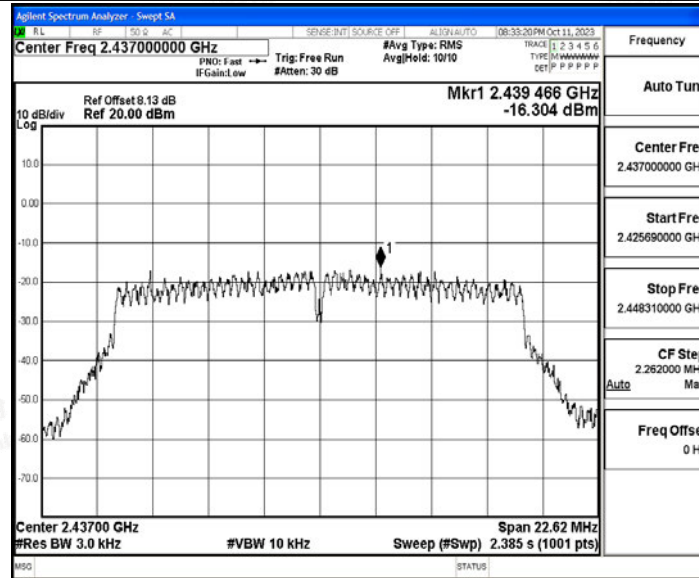


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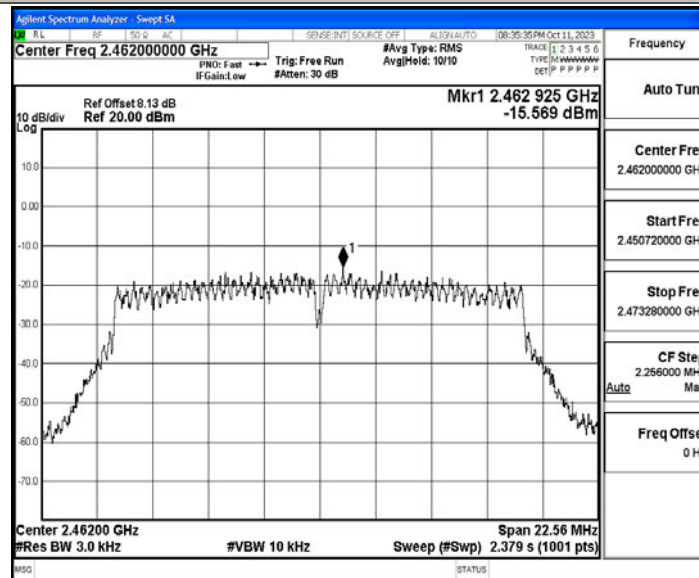
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11G_Ant1_2462



11N20SISO_Ant1_2412

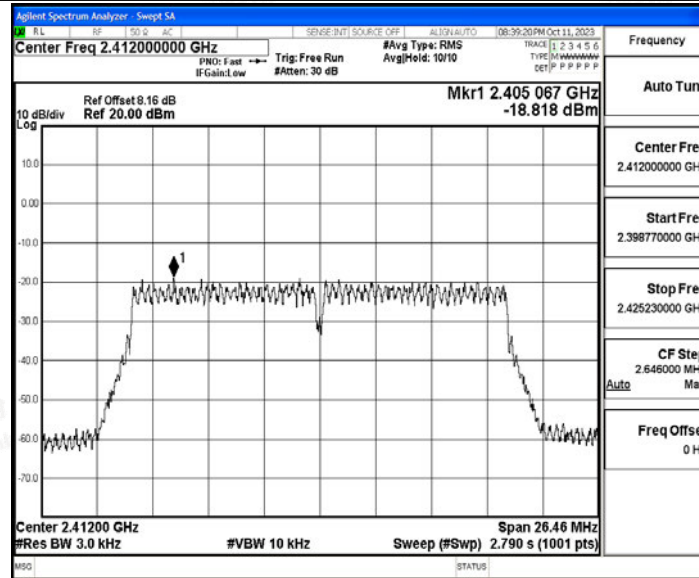


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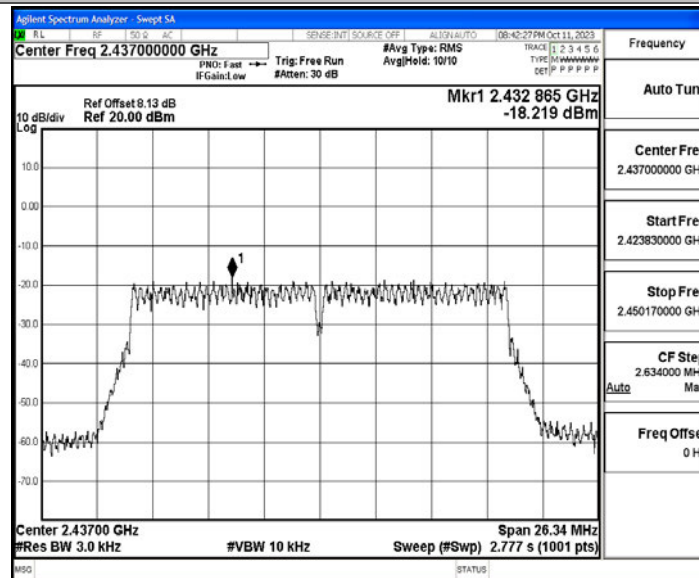
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11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

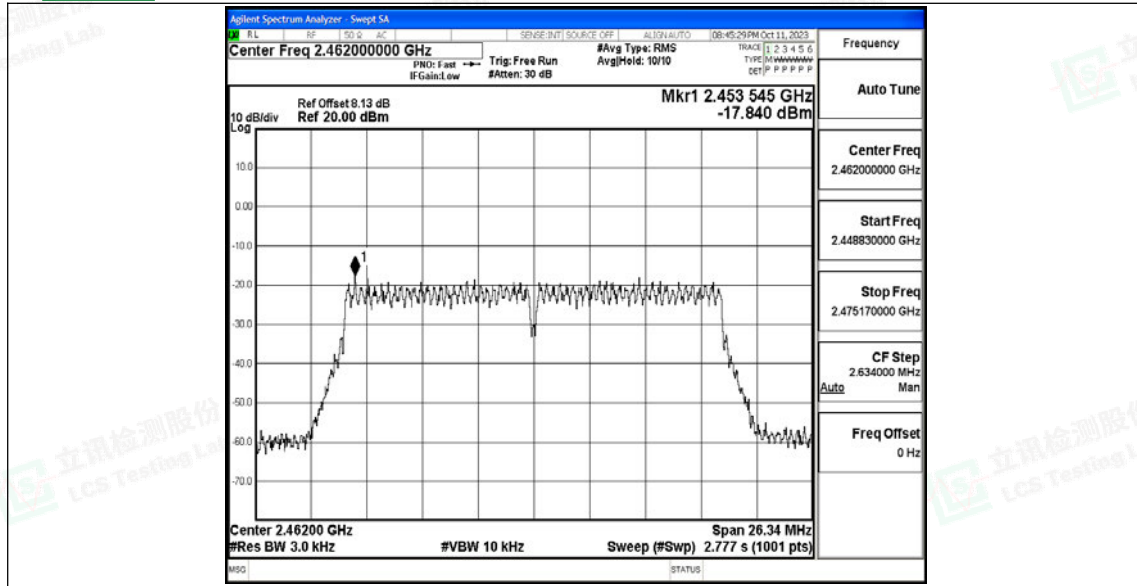


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C.4 Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.48	-39.6	≤ -17.52	PASS
		High	2462	3.47	-49.61	≤ -16.53	PASS
11G	Ant1	Low	2412	-2.18	-40.42	≤ -22.18	PASS
		High	2462	-1.67	-49.47	≤ -21.67	PASS
11N20SISO	Ant1	Low	2412	-4.95	-41.15	≤ -24.95	PASS
		High	2462	-3.78	-49.33	≤ -23.78	PASS



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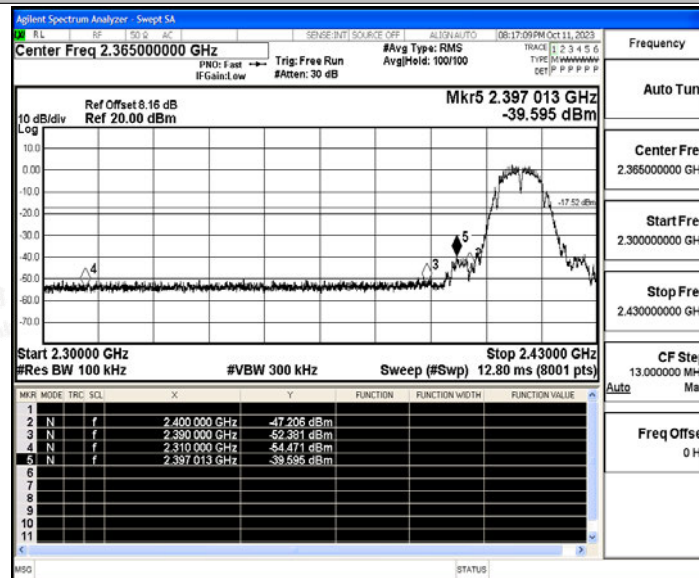
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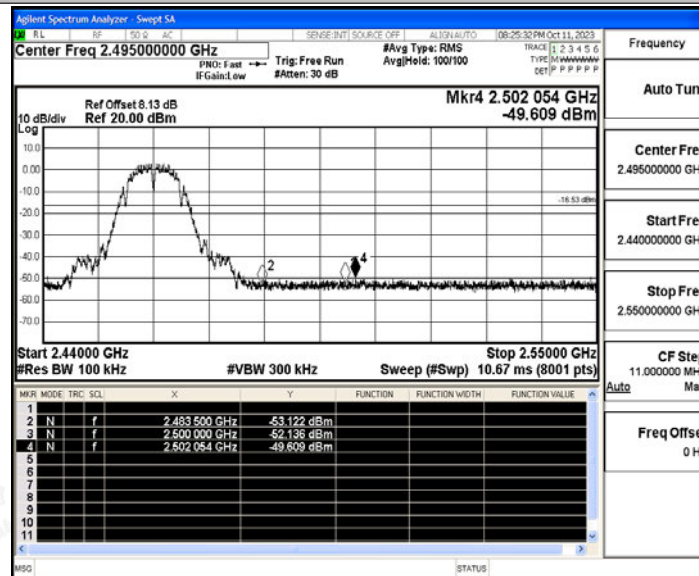


Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

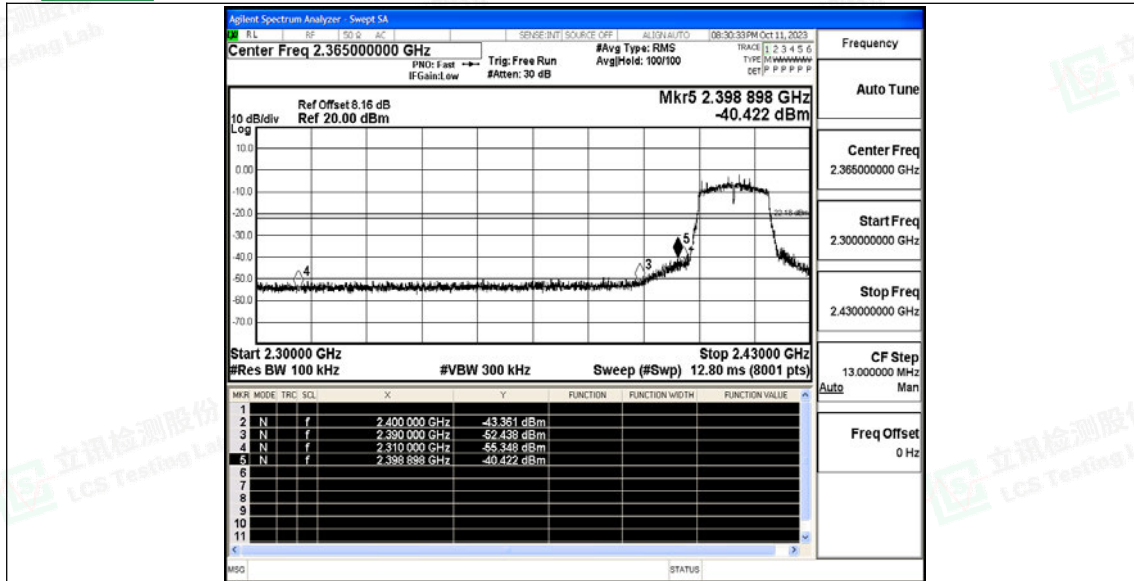


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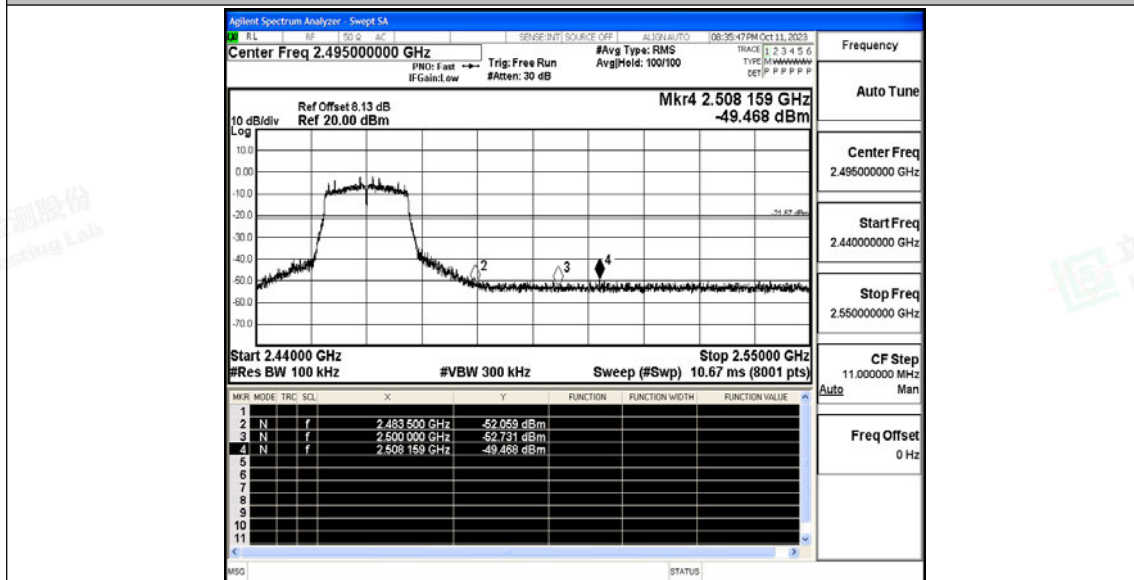
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11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412

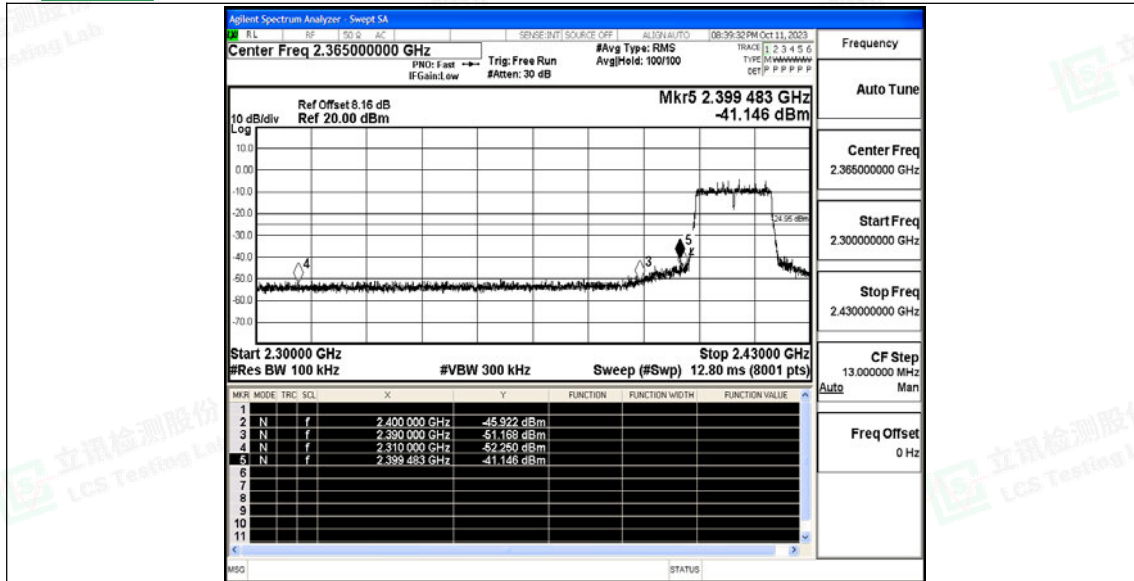


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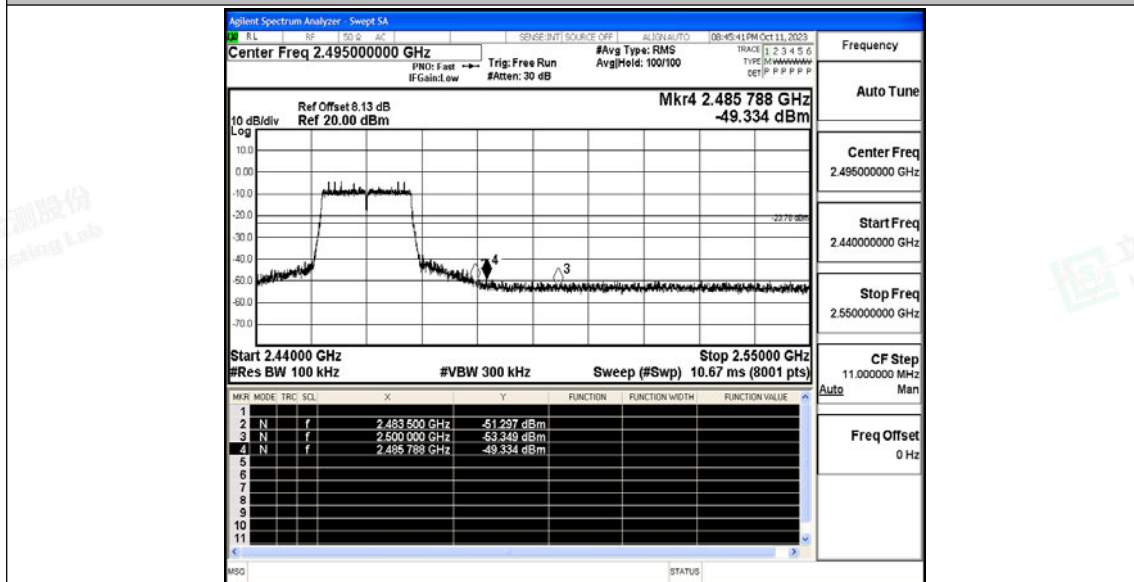
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11N20SISO_Ant1_High_2462



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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	2.48	-61.49	≤-17.52	PASS
			1000~26500	2.48	-48.43	≤-17.52	PASS
		2437	30~1000	3.10	-61.85	≤-16.9	PASS
			1000~26500	3.10	-48.5	≤-16.9	PASS
		2462	30~1000	3.47	-61.46	≤-16.53	PASS
			1000~26500	3.47	-48.86	≤-16.53	PASS
11G	Ant1	2412	30~1000	-2.18	-61.63	≤-22.18	PASS
			1000~26500	-2.18	-48.61	≤-22.18	PASS
		2437	30~1000	-2.71	-61.77	≤-22.71	PASS
			1000~26500	-2.71	-49.61	≤-22.71	PASS
		2462	30~1000	-1.67	-61.87	≤-21.67	PASS
			1000~26500	-1.67	-48.72	≤-21.67	PASS
11N20SISO	Ant1	2412	30~1000	-4.95	-61.29	≤-24.95	PASS
			1000~26500	-4.95	-47.45	≤-24.95	PASS
		2437	30~1000	-4.51	-61.95	≤-24.51	PASS
			1000~26500	-4.51	-48.34	≤-24.51	PASS
		2462	30~1000	-3.78	-61.88	≤-23.78	PASS
			1000~26500	-3.78	-48.61	≤-23.78	PASS



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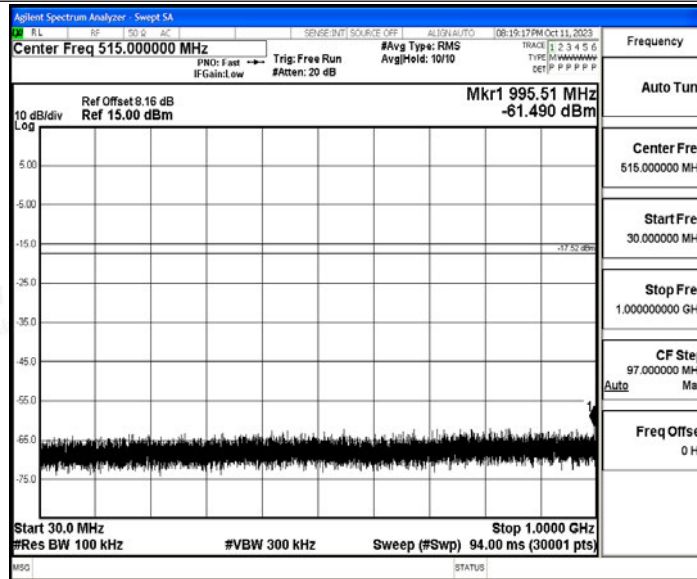
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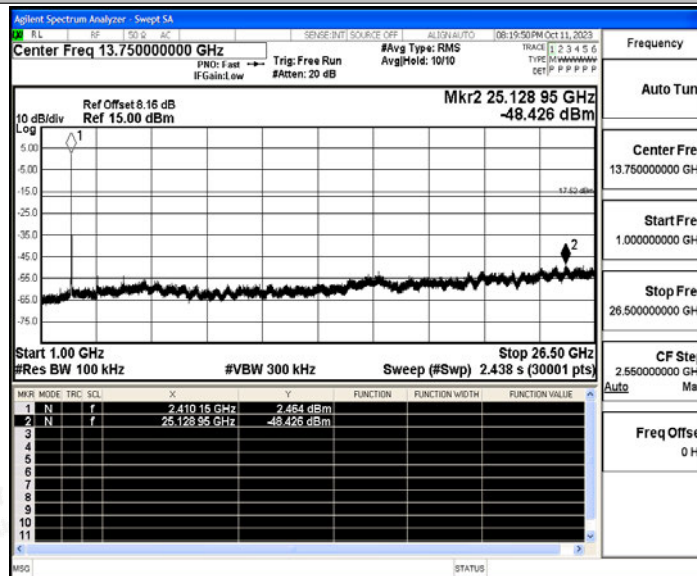


Test Graphs

11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500



11B_Ant1_2437_30~1000

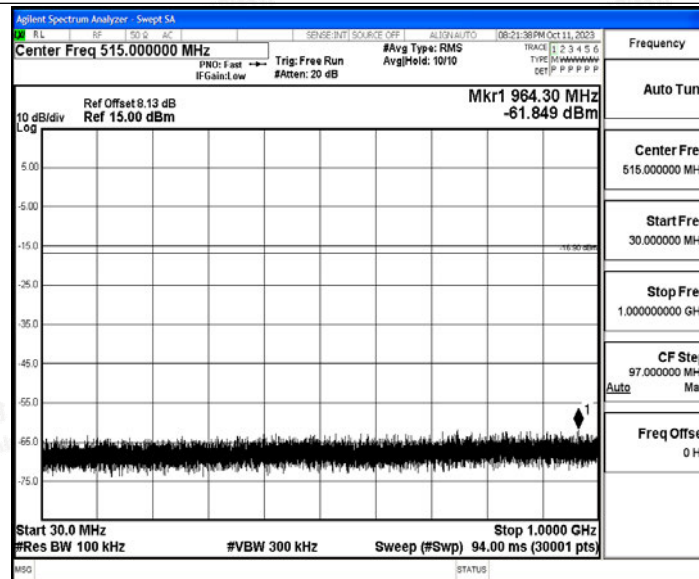


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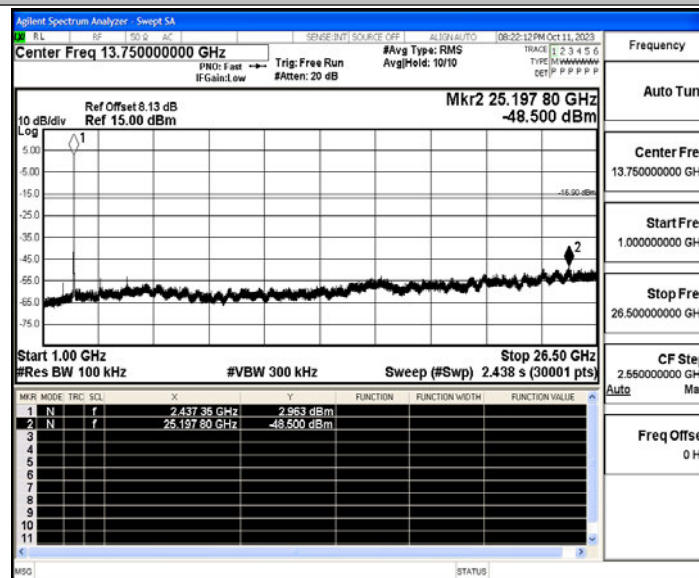
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_30~1000



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