

Appendix Test Data

Report No.:	18220WC30084202	Test Sample No.:	1-2-2
Start Test Date:	2023.05.11	Finish Test Date:	2023.05.16
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	24.5°C	Relative Humidity:	52%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.560	2407.960	2416.520	≥0.5	PASS
		2437	8.560	2432.480	2441.040	≥0.5	PASS
		2462	9.040	2457.480	2466.520	≥0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	≥0.5	PASS
		2437	16.320	2428.840	2445.160	≥0.5	PASS
		2462	16.440	2453.800	2470.240	≥0.5	PASS
11N20SISO	Ant1	2412	17.520	2403.240	2420.760	≥0.5	PASS
		2437	17.600	2428.200	2445.800	≥0.5	PASS
		2462	17.600	2453.200	2470.800	≥0.5	PASS

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Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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11G_Ant1_2412



11G_Ant1_2437

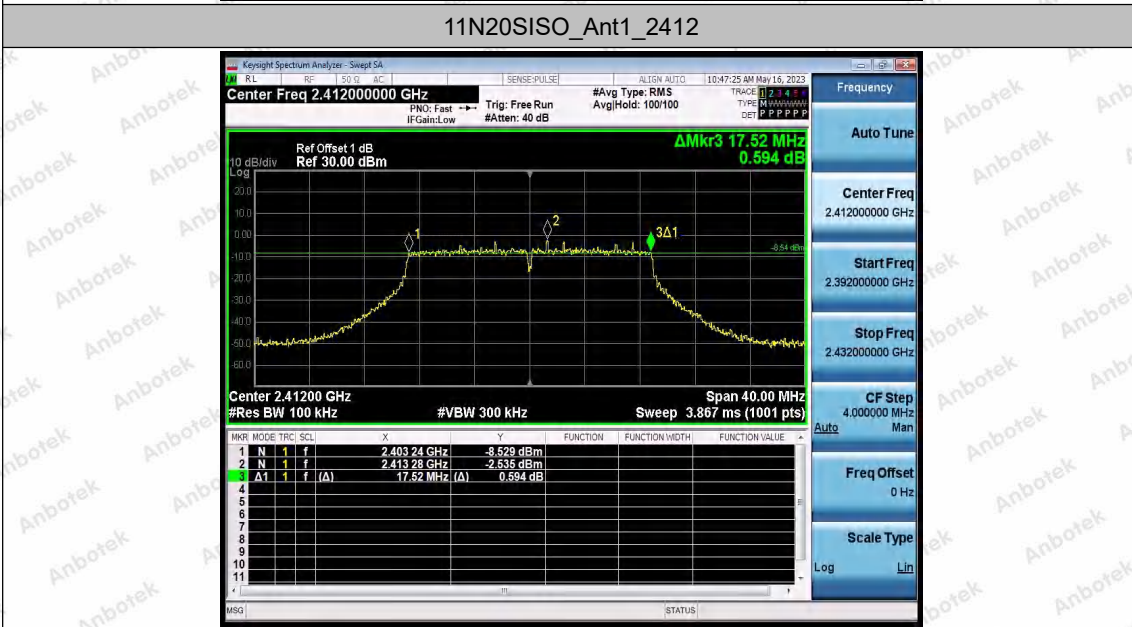
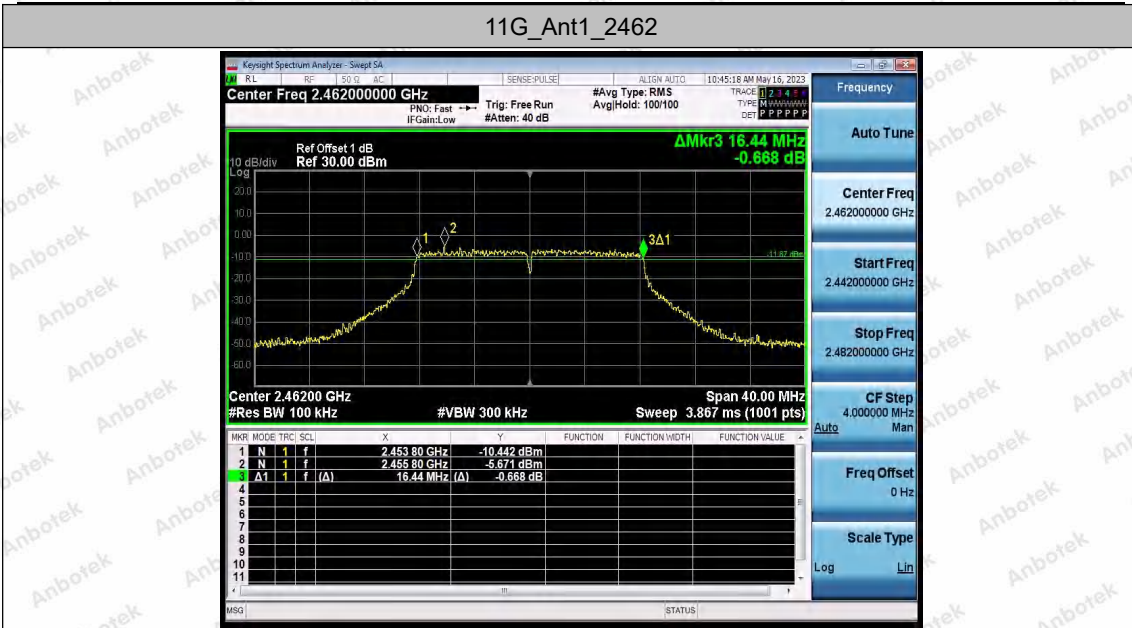


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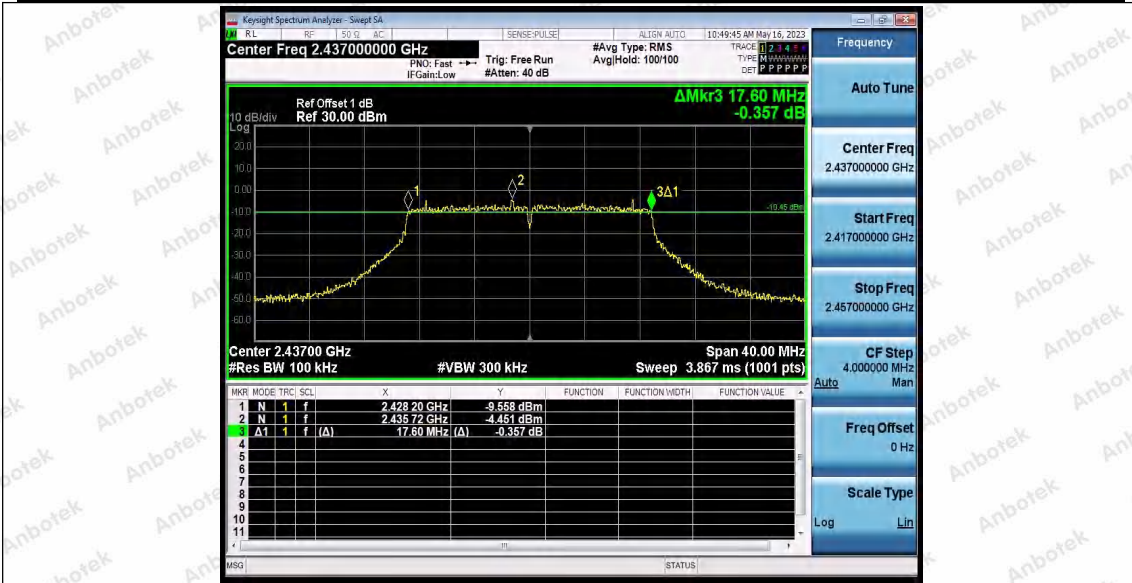
11N20SISO_Ant1_2437

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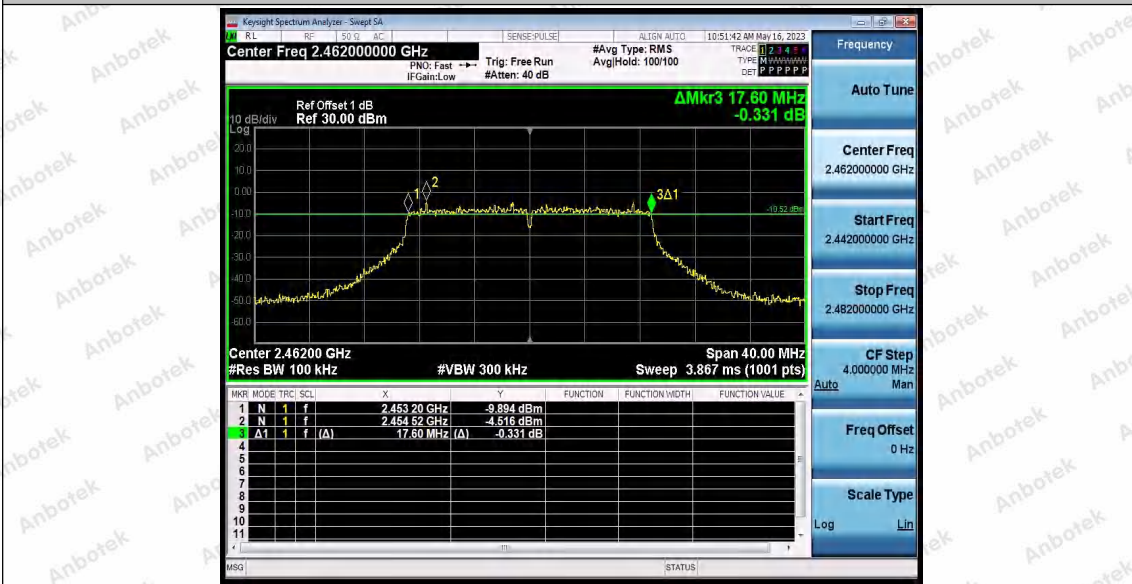
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11N20SISO_Ant1_2462



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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	14.155	2404.9596	2419.1146
		2437	14.158	2429.9480	2444.1060
		2462	14.159	2454.9375	2469.0965
11G	Ant1	2412	17.221	2403.4215	2420.6425
		2437	17.158	2428.4550	2445.6130
		2462	17.167	2453.3864	2470.5534
11N20SISO	Ant1	2412	18.196	2402.9564	2421.1524
		2437	18.302	2427.8685	2446.1705
		2462	18.221	2452.9027	2471.1237

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Test Graphs



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11G_Ant1_2412



11G_Ant1_2437

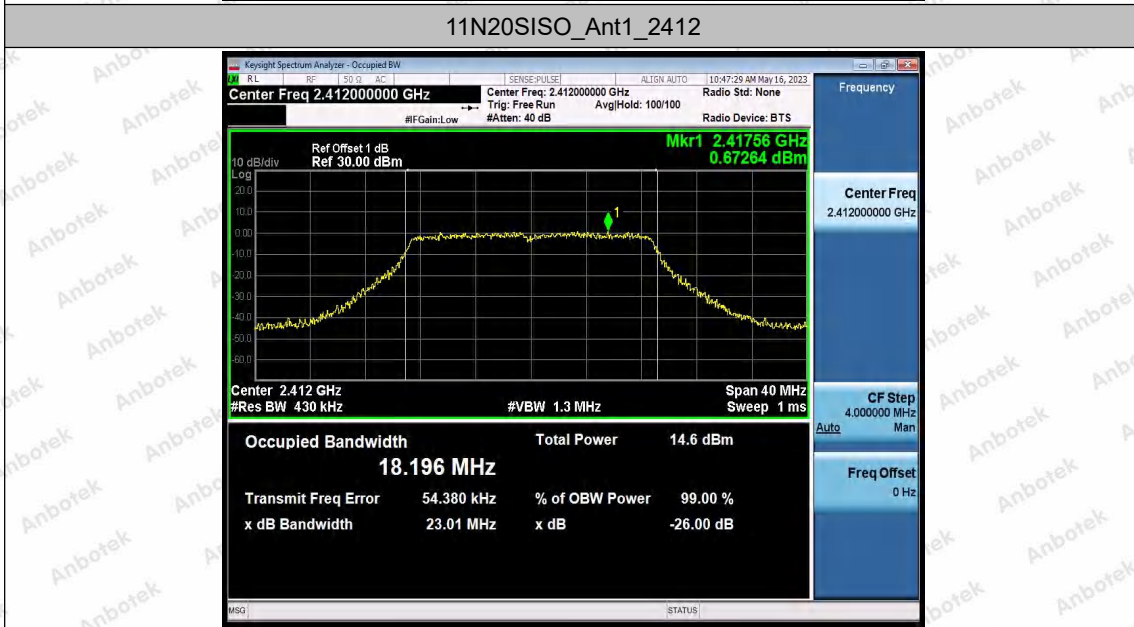
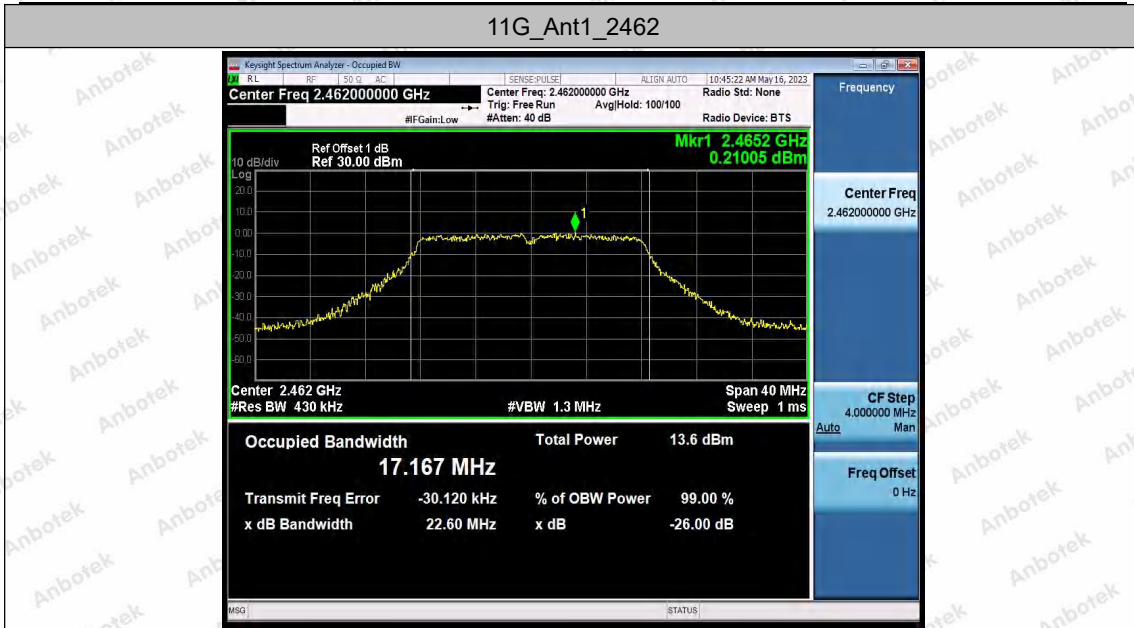


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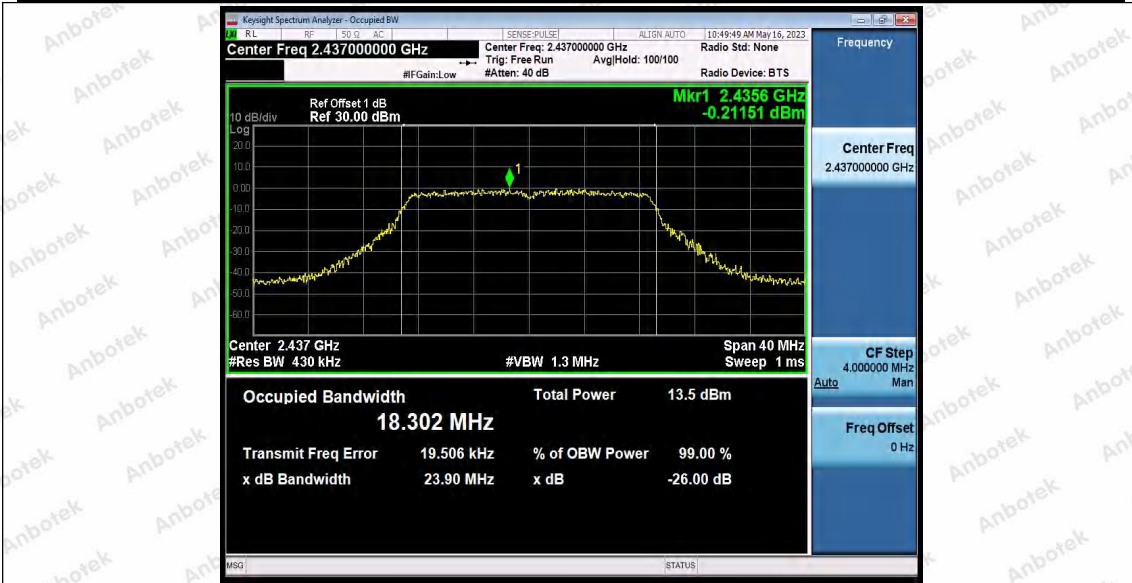
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	14.67	≤30.00
		2437	14.85	≤30.00
		2462	14.77	≤30.00
11G	Ant1	2412	14.61	≤30.00
		2437	14.72	≤30.00
		2462	14.79	≤30.00
11N20SISO	Ant1	2412	14.53	≤30.00
		2437	14.68	≤30.00
		2462	14.64	≤30.00

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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.57	≤8.00	PASS
		2437	-10.11	≤8.00	PASS
		2462	-10.61	≤8.00	PASS
11G	Ant1	2412	-17.78	≤8.00	PASS
		2437	-16.55	≤8.00	PASS
		2462	-17.35	≤8.00	PASS
11N20SISO	Ant1	2412	-17.94	≤8.00	PASS
		2437	-17.49	≤8.00	PASS
		2462	-17.4	≤8.00	PASS

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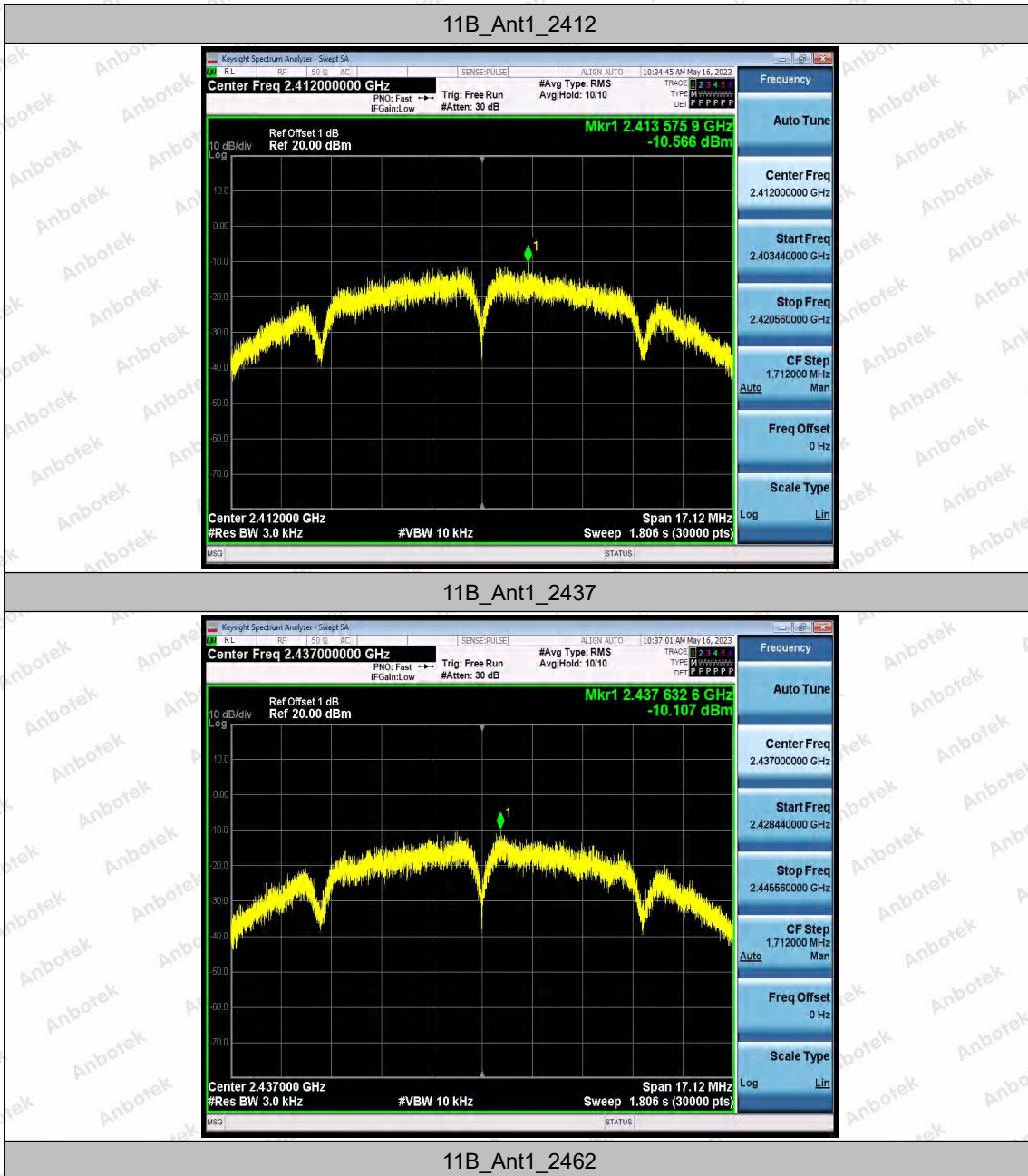
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Test Graphs



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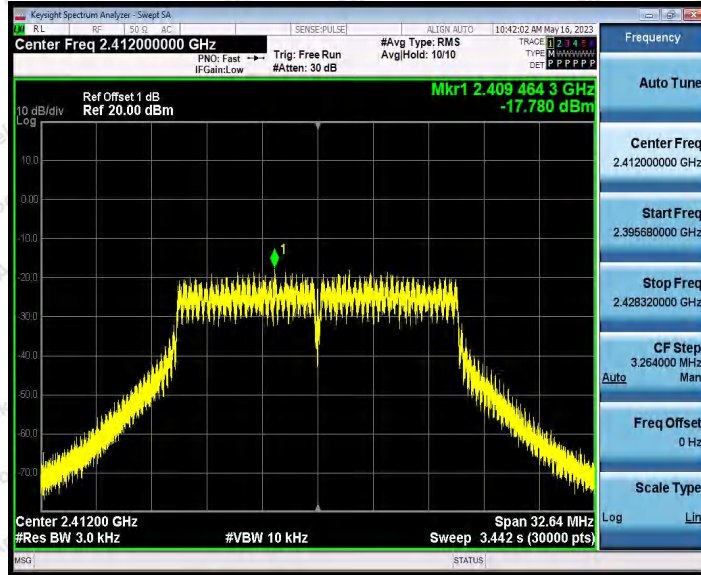
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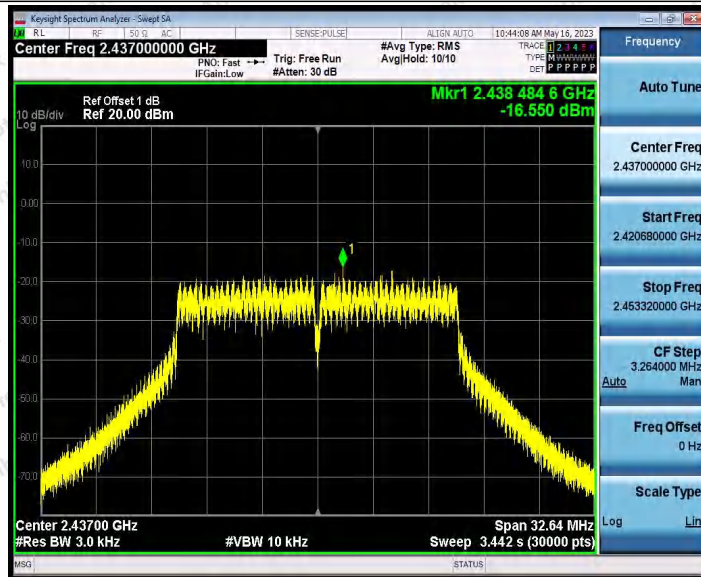




11G_Ant1_2412



11G_Ant1_2437



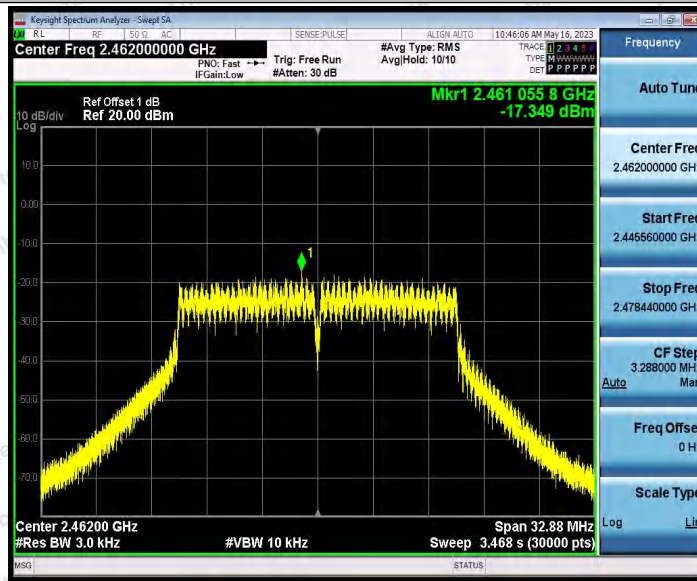
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11G_Ant1_2462



11N20SISO_Ant1_2412



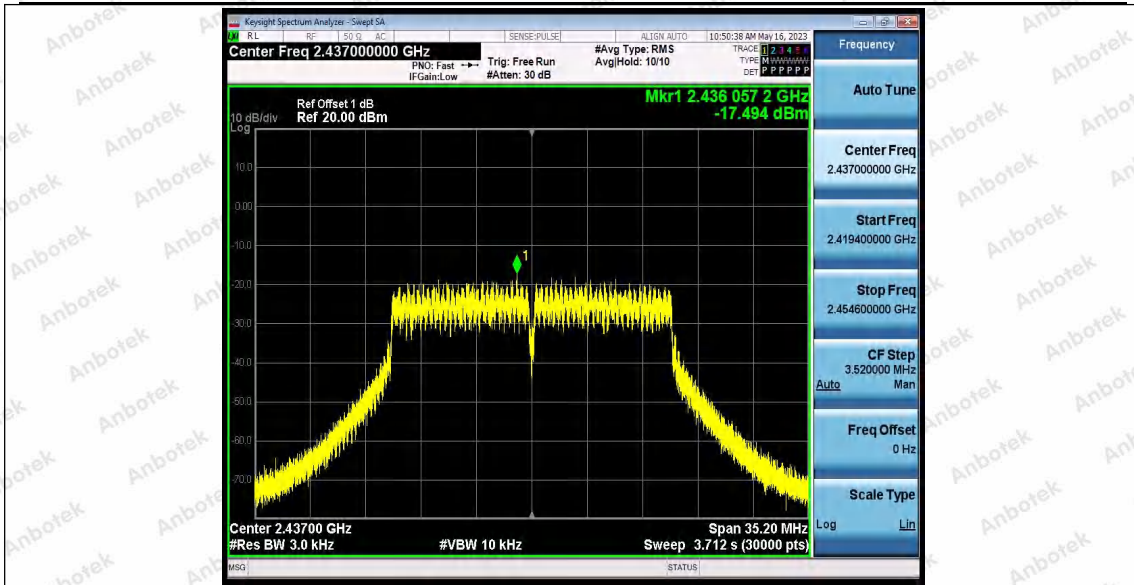
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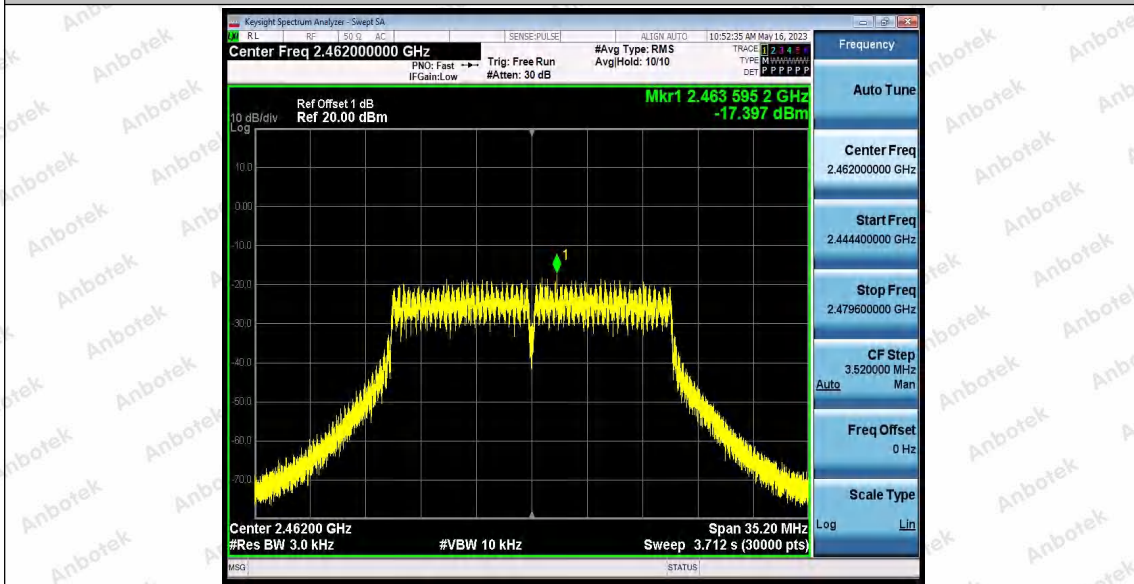
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.99	-45.82	≤-17.01	PASS
		High	2462	2.59	-54.07	≤-17.41	PASS
11G	Ant1	Low	2412	-4.74	-37.87	≤-24.74	PASS
		High	2462	-3.94	-55.5	≤-23.94	PASS
11N20SISO	Ant1	Low	2412	-3.61	-38.19	≤-23.61	PASS
		High	2462	-3.36	-55.12	≤-23.36	PASS

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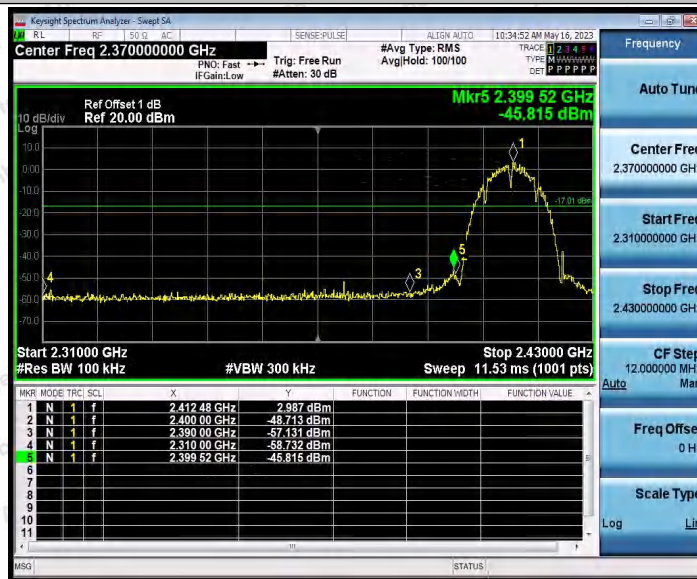


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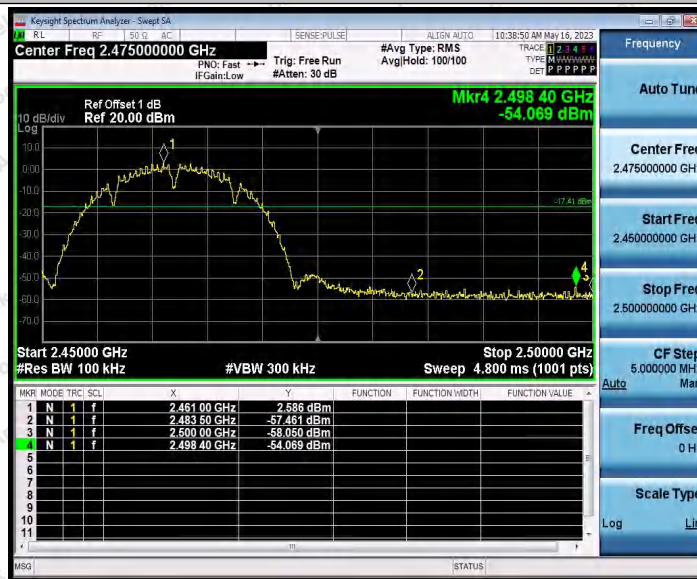


Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



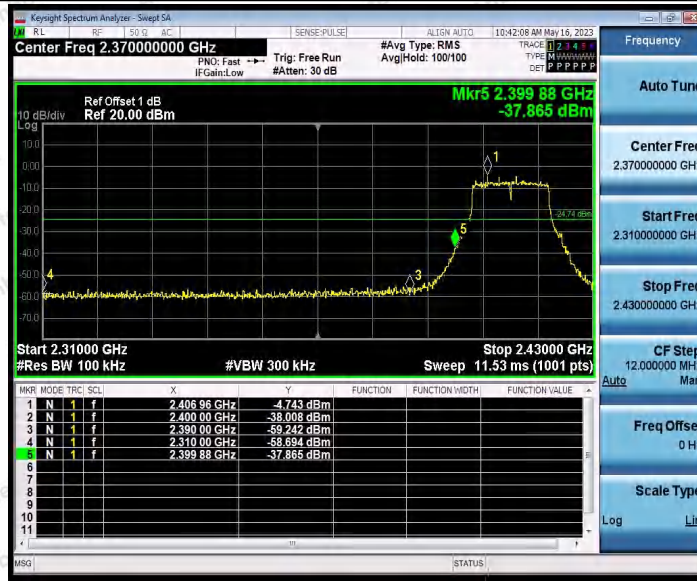
11G_Ant1_Low_2412

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11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412

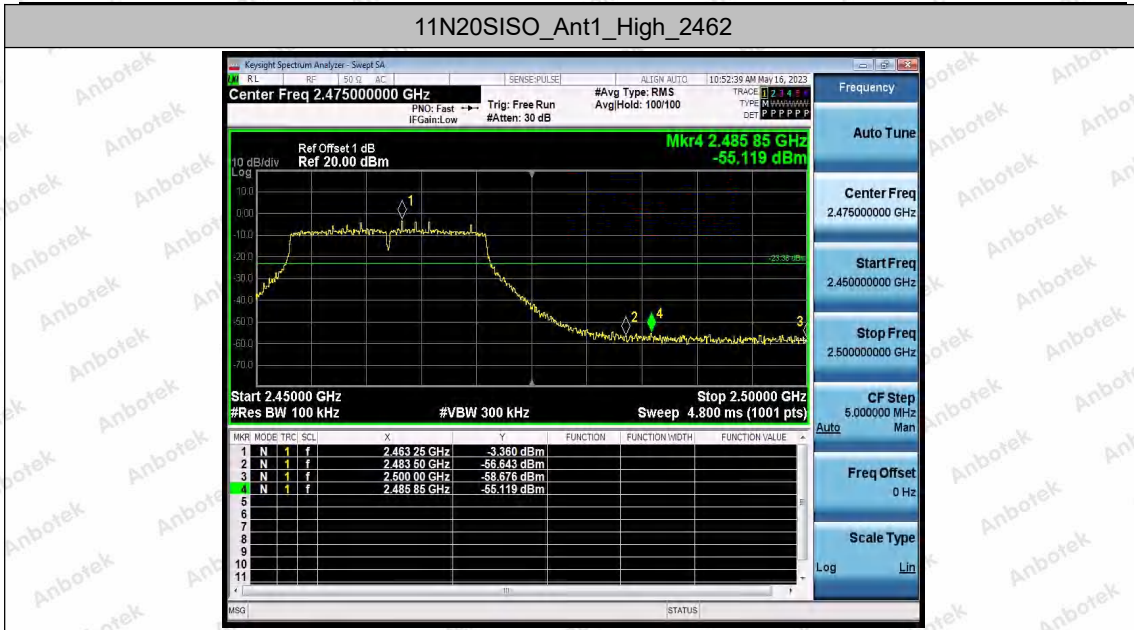


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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.96	2.96	---	PASS
			30~1000	2.96	-69.35	≤-17.04	PASS
			1000~26500	2.96	-53.67	≤-17.04	PASS
		2437	Reference	1.23	1.23	---	PASS
			30~1000	1.23	-69.78	≤-18.77	PASS
			1000~26500	1.23	-53.83	≤-18.77	PASS
		2462	Reference	2.03	2.03	---	PASS
			30~1000	2.03	-69.2	≤-17.97	PASS
			1000~26500	2.03	-52.77	≤-17.97	PASS
11G	Ant1	2412	Reference	-6.55	-6.55	---	PASS
			30~1000	-6.55	-69.76	≤-26.55	PASS
			1000~26500	-6.55	-53.4	≤-26.55	PASS
		2437	Reference	-6.95	-6.95	---	PASS
			30~1000	-6.95	-69.63	≤-26.95	PASS
			1000~26500	-6.95	-53.31	≤-26.95	PASS
		2462	Reference	-4.28	-4.28	---	PASS
			30~1000	-4.28	-69.87	≤-24.28	PASS
			1000~26500	-4.28	-53.31	≤-24.28	PASS
11N20SISO	Ant1	2412	Reference	-7.70	-7.70	---	PASS
			30~1000	-7.70	-70.01	≤-27.7	PASS
			1000~26500	-7.70	-53.76	≤-27.7	PASS
		2437	Reference	-6.88	-6.88	---	PASS
			30~1000	-6.88	-69.77	≤-26.88	PASS
			1000~26500	-6.88	-53.15	≤-26.88	PASS
		2462	Reference	-4.52	-4.52	---	PASS
			30~1000	-4.52	-70.05	≤-24.52	PASS
			1000~26500	-4.52	-53.85	≤-24.52	PASS

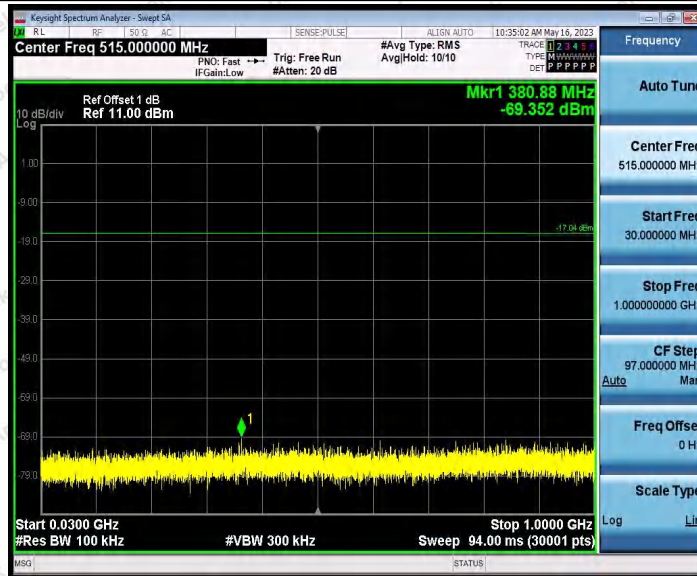


Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



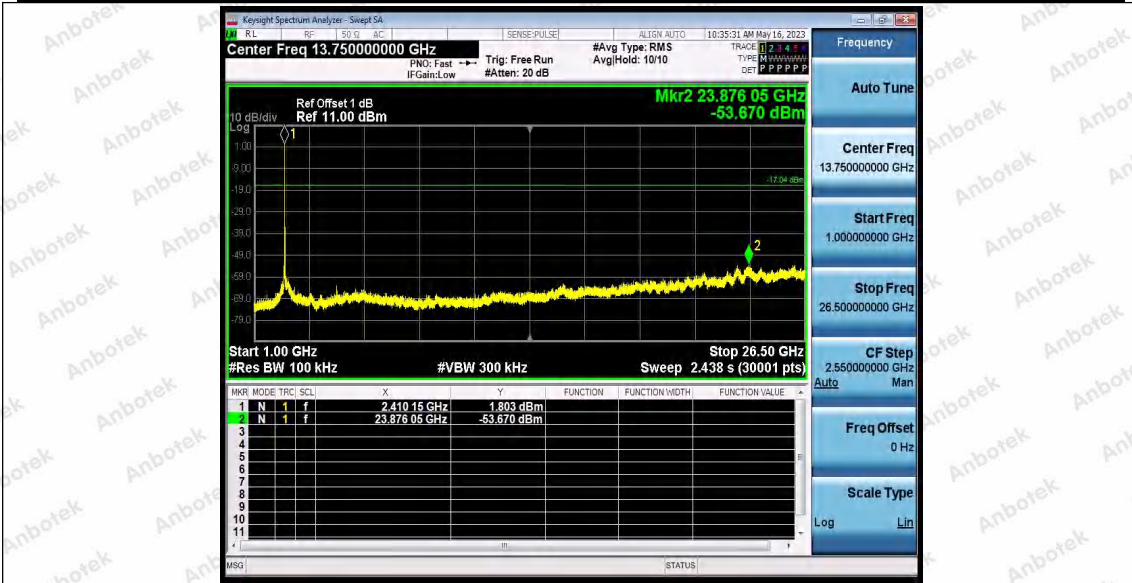
11B_Ant1_2412_1000~26500

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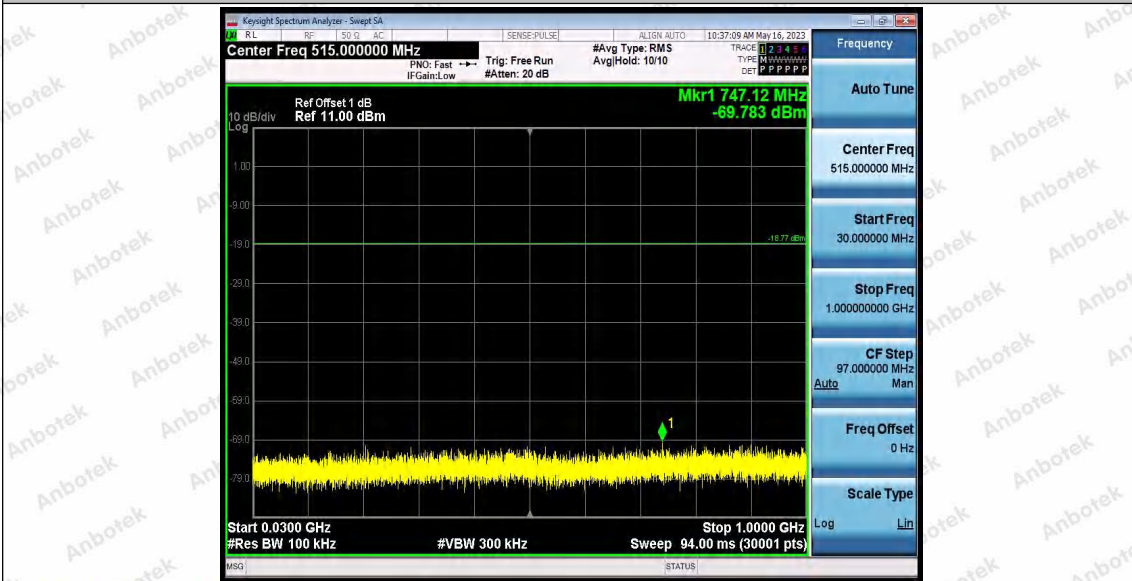




11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



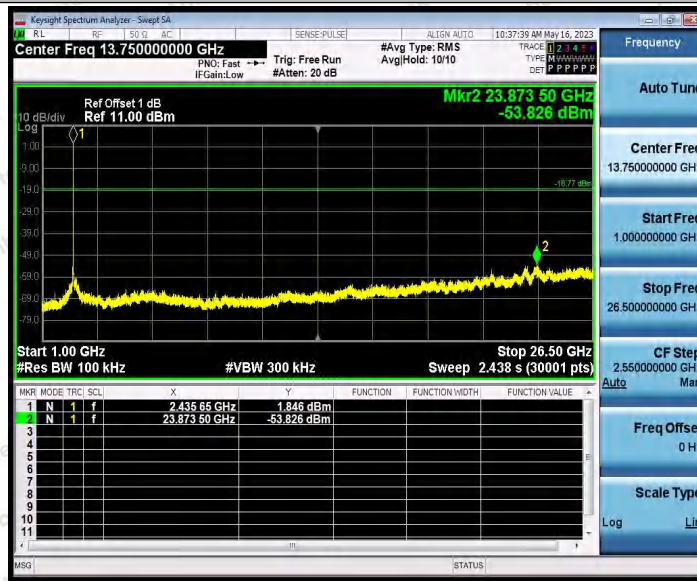
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



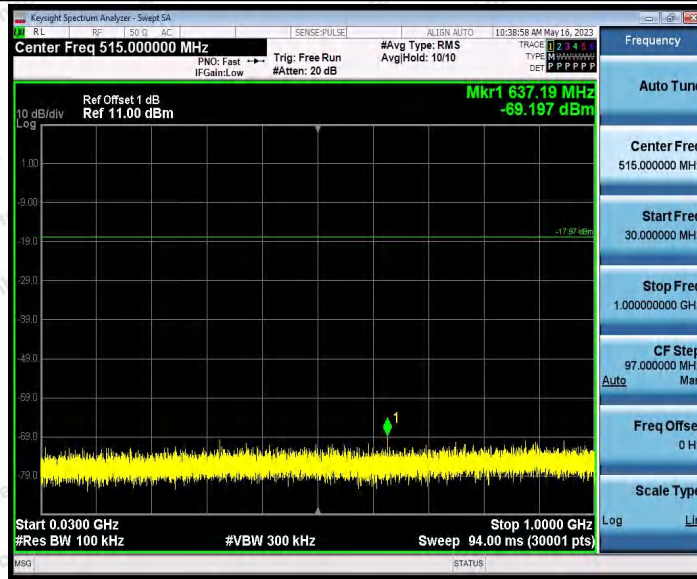
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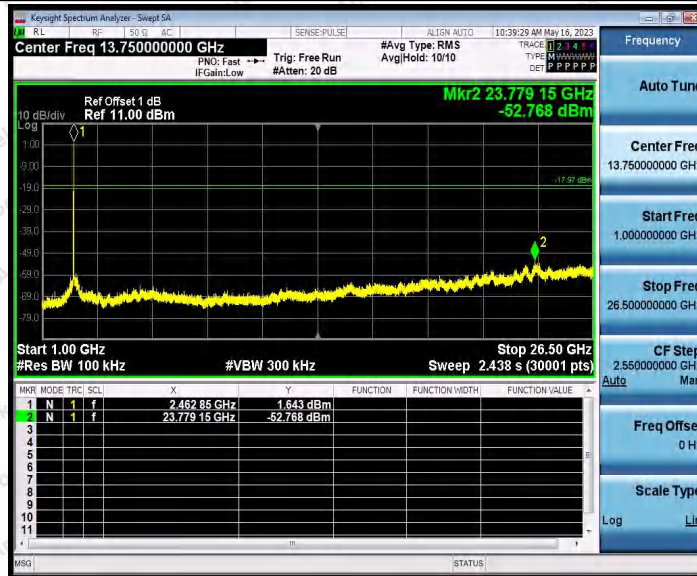
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11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



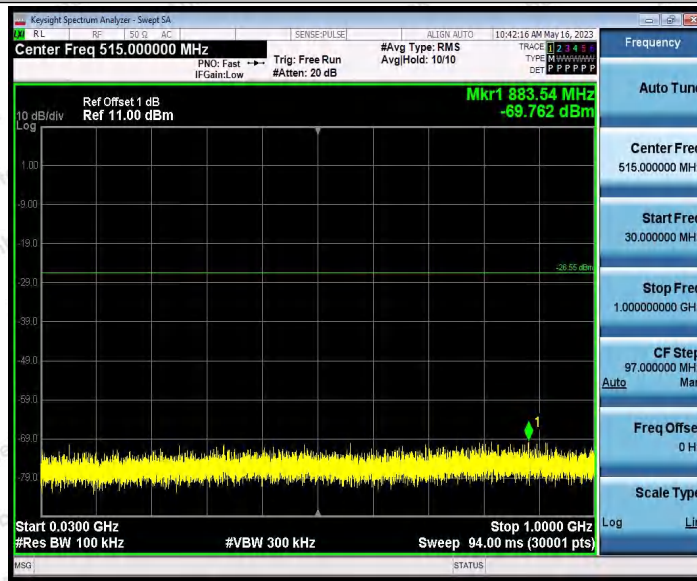
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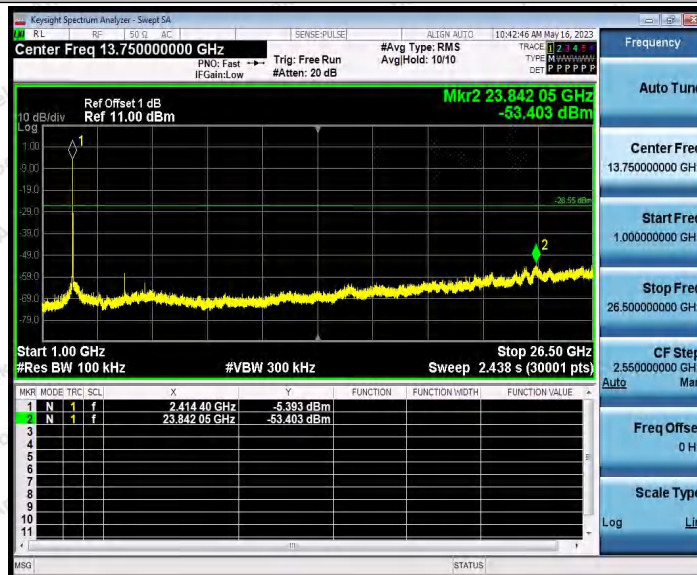
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11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference

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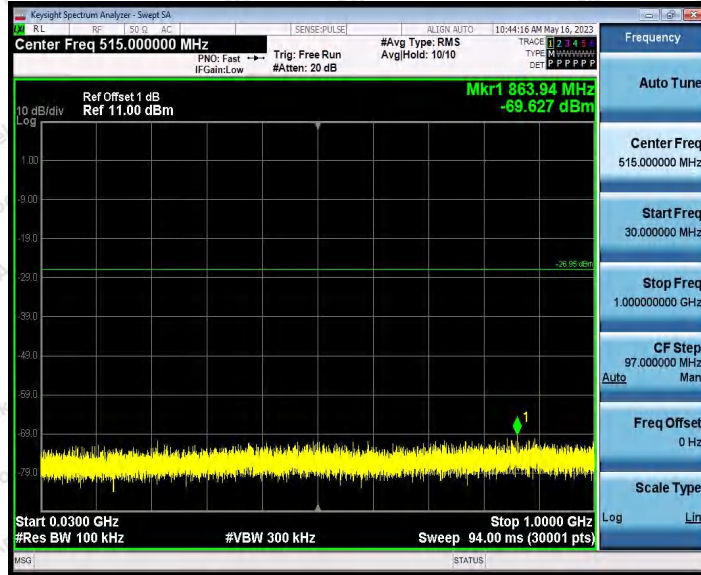
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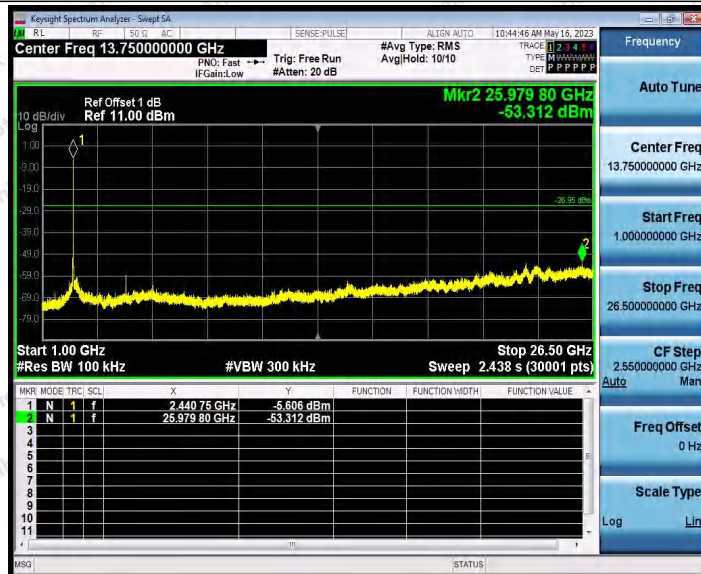




11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



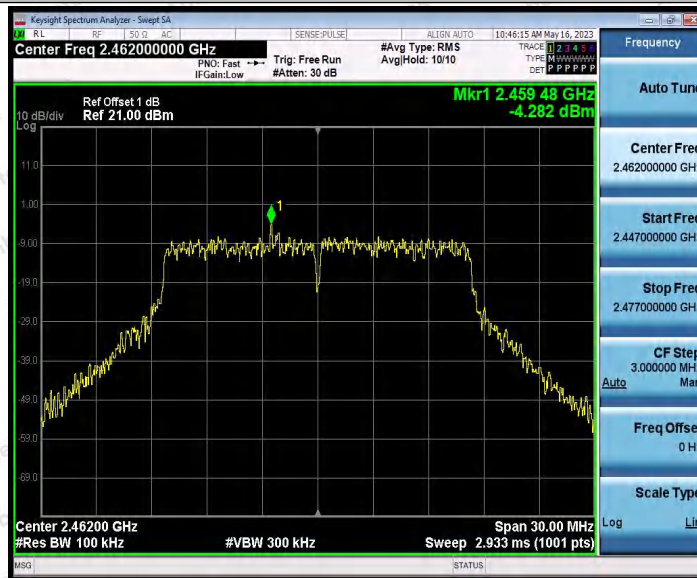
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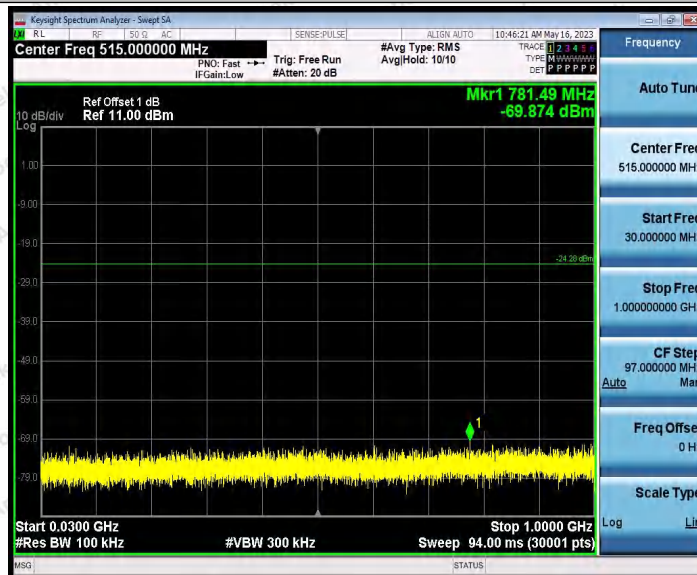
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11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500

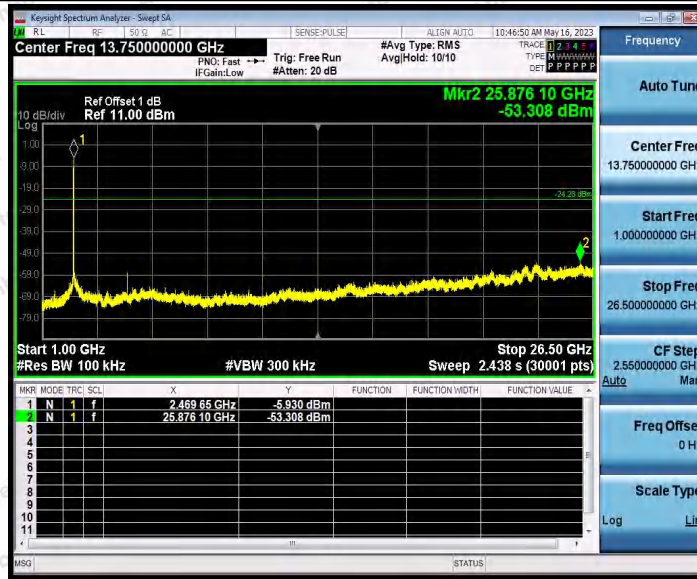
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11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



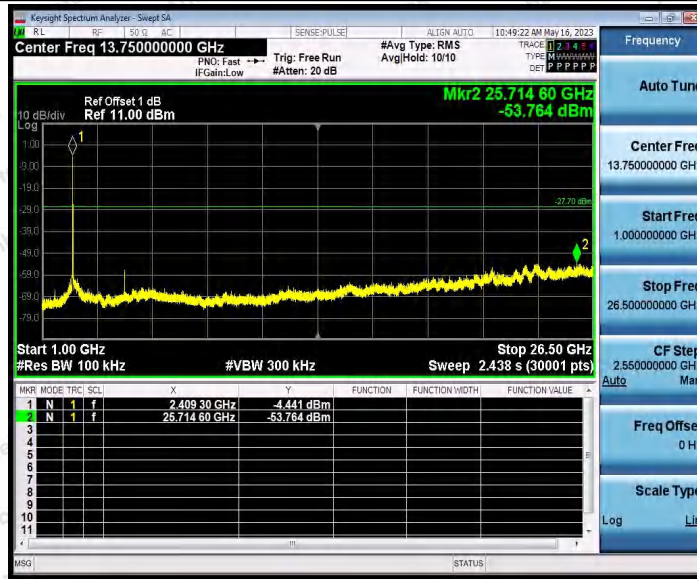
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11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



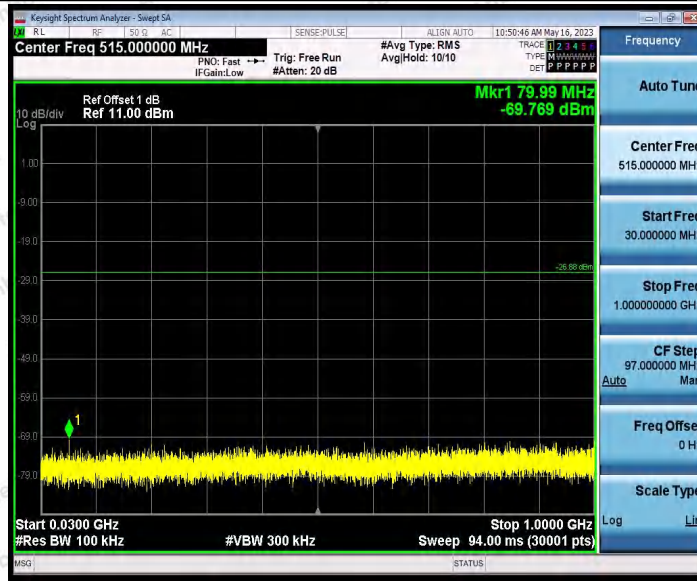
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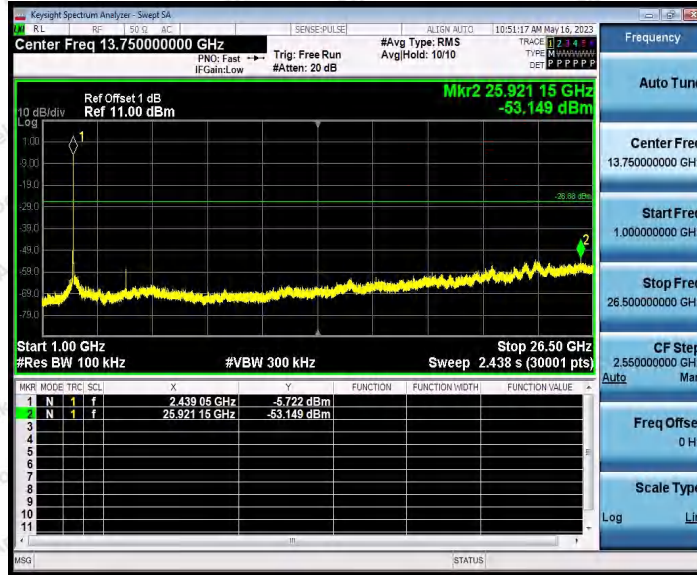
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference

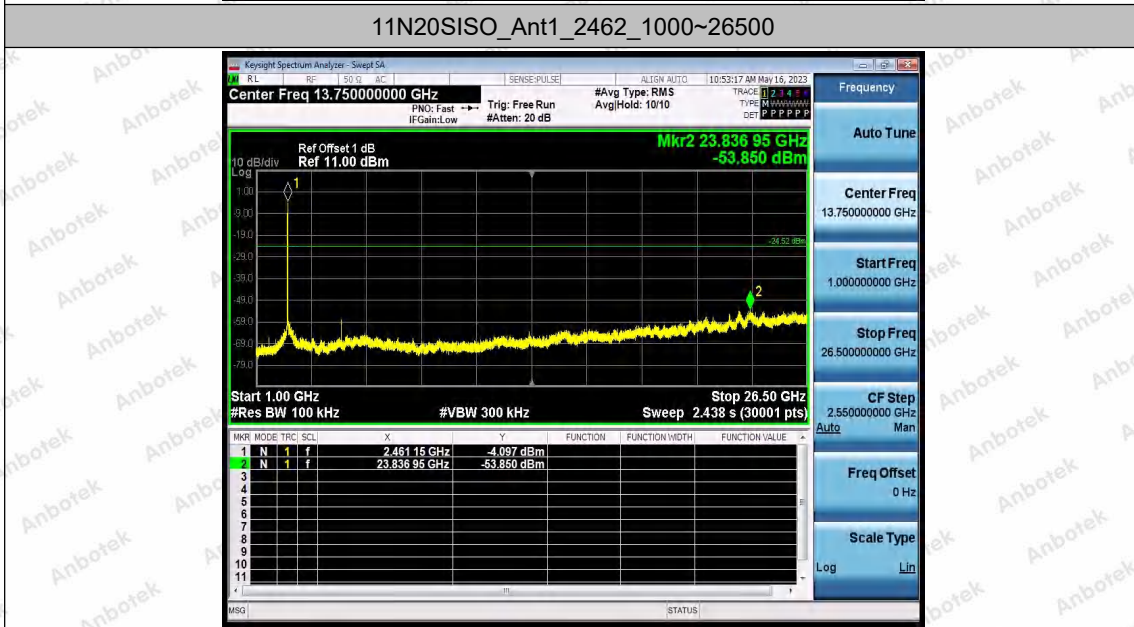
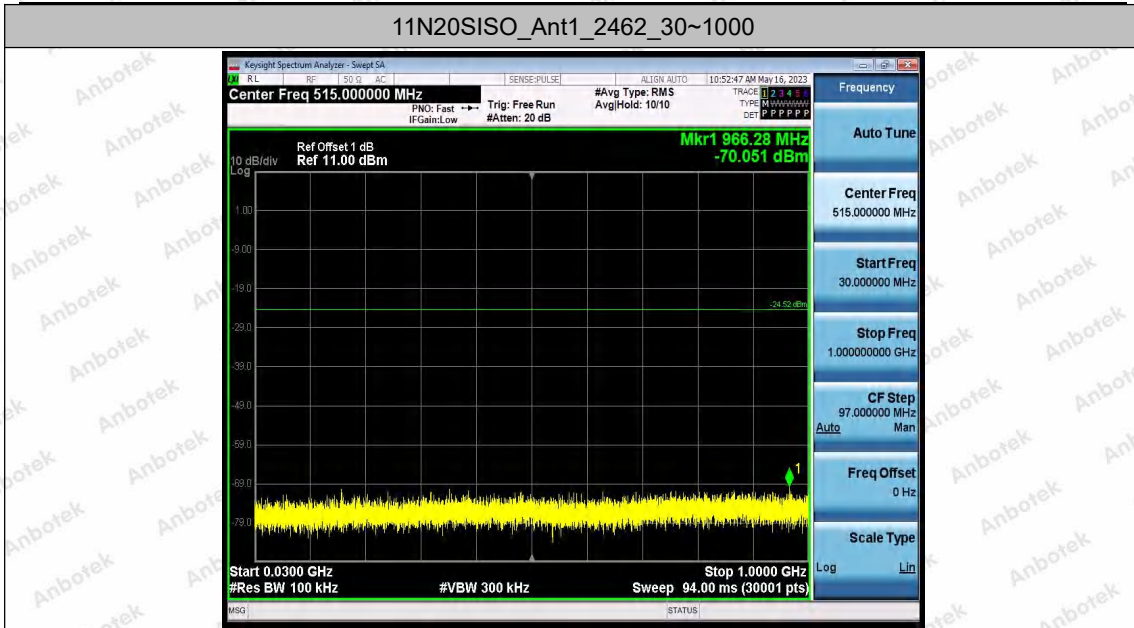


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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.42	12.55	98.96	0.05
		2437	12.41	12.55	98.88	0.05
		2462	12.42	12.55	98.96	0.05
11G	Ant1	2412	2.07	2.20	94.09	0.26
		2437	2.07	2.20	94.09	0.26
		2462	2.06	2.19	94.06	0.27
11N20SISO	Ant1	2412	1.92	2.05	93.66	0.28
		2437	1.92	2.05	93.66	0.28
		2462	1.92	2.05	93.66	0.28

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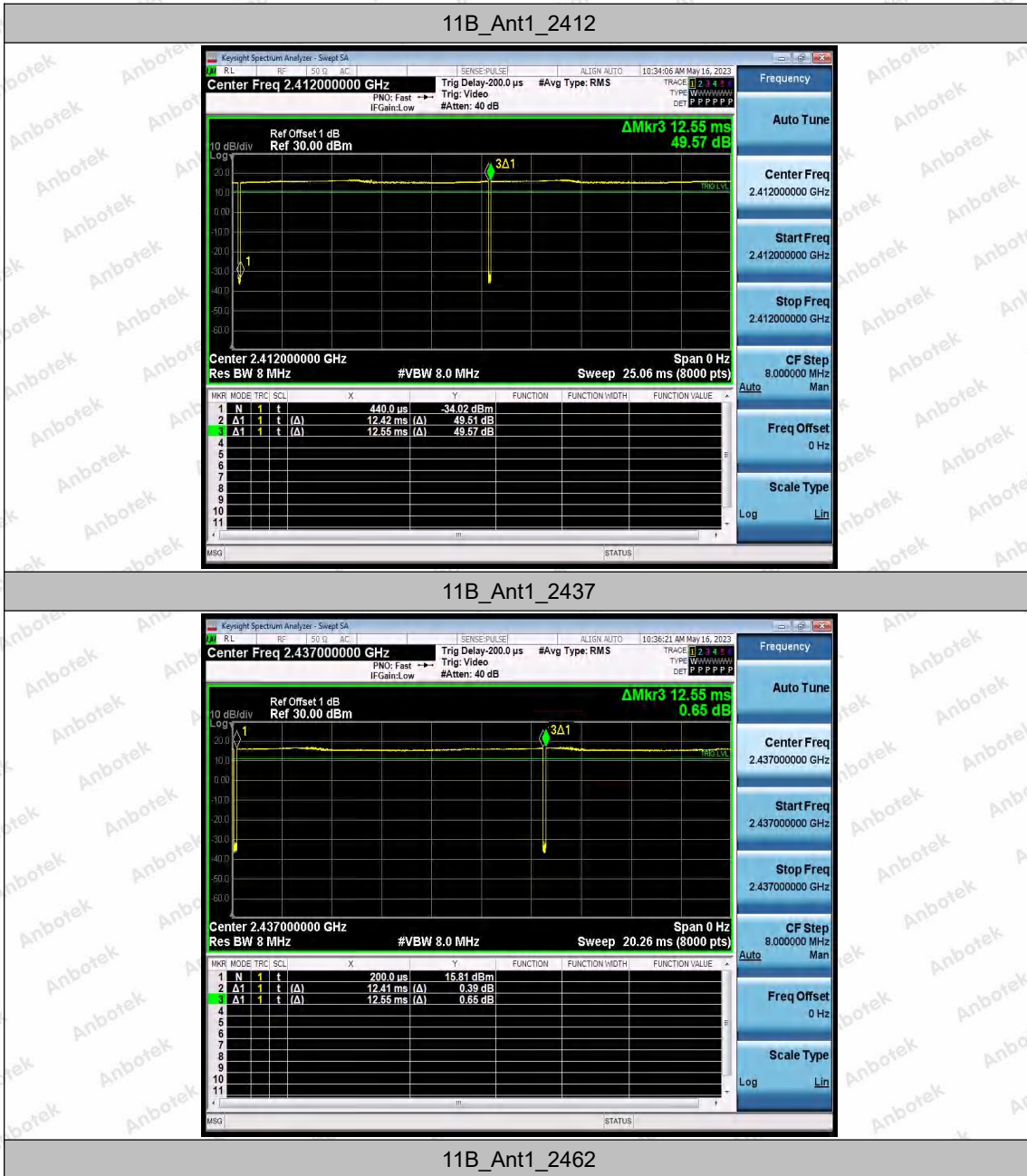
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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Test Graphs

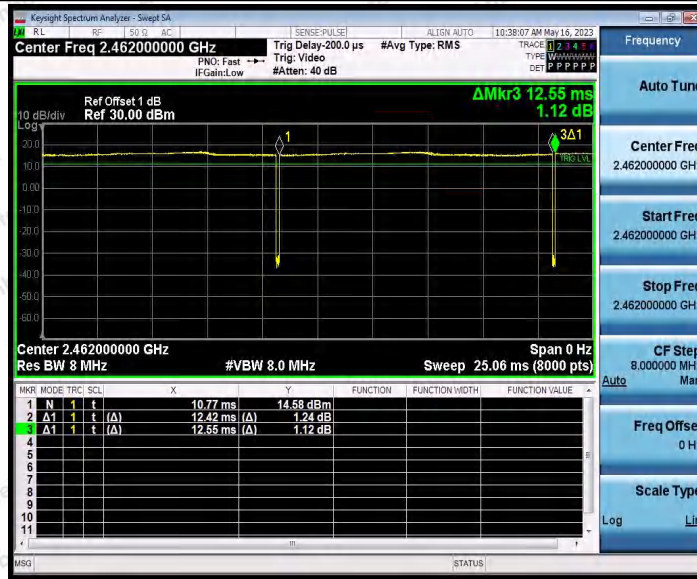


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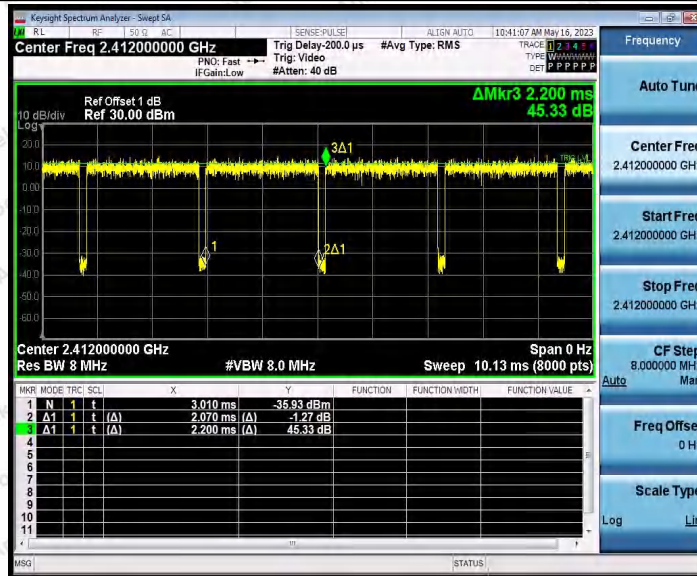
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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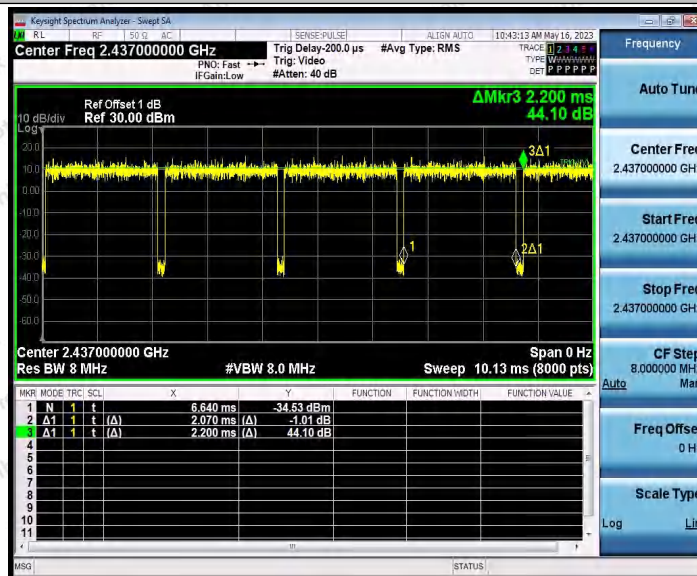




11G_Ant1_2412



11G_Ant1_2437

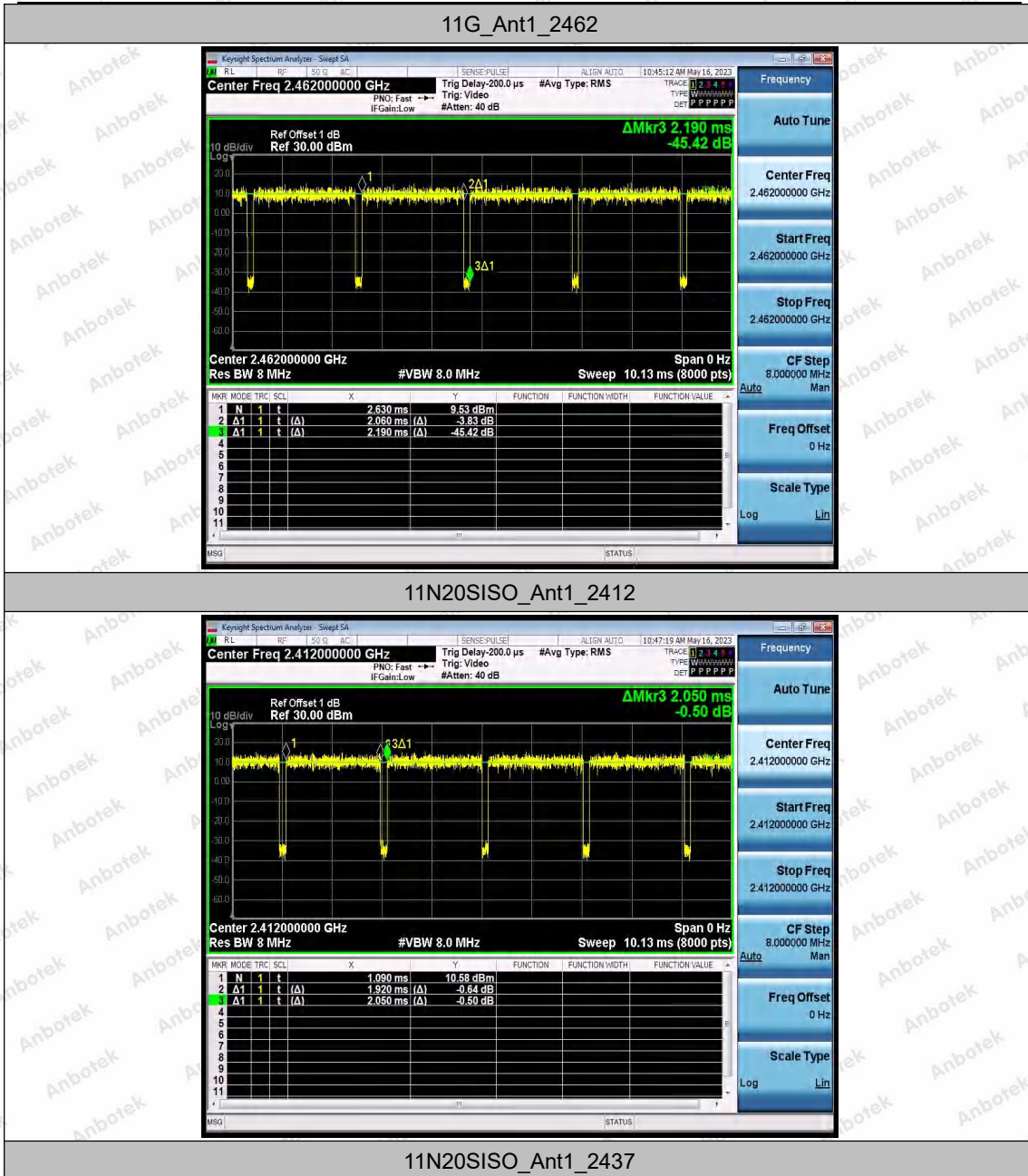


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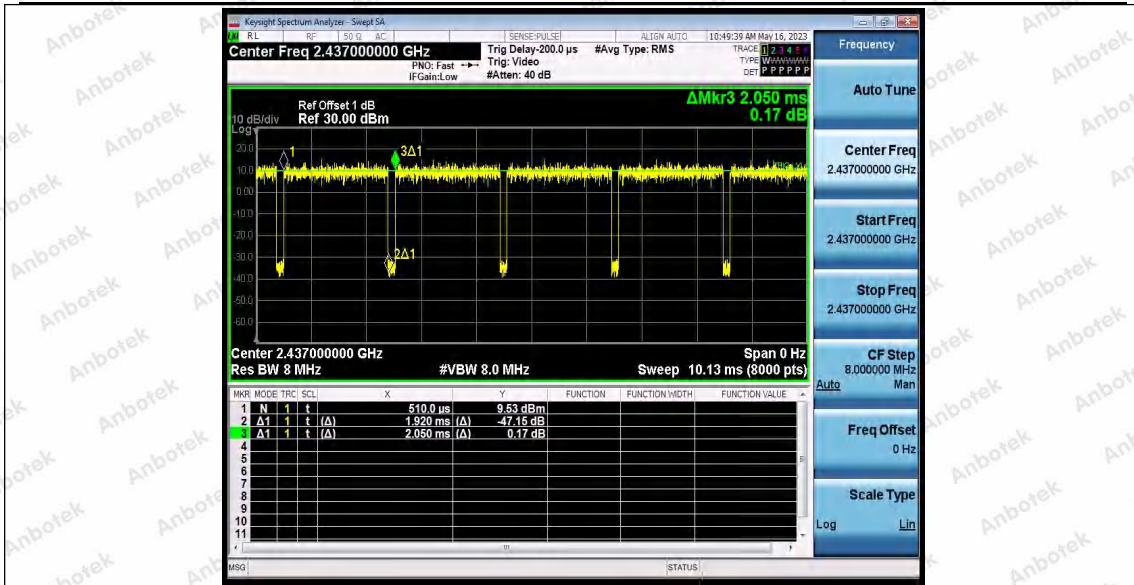


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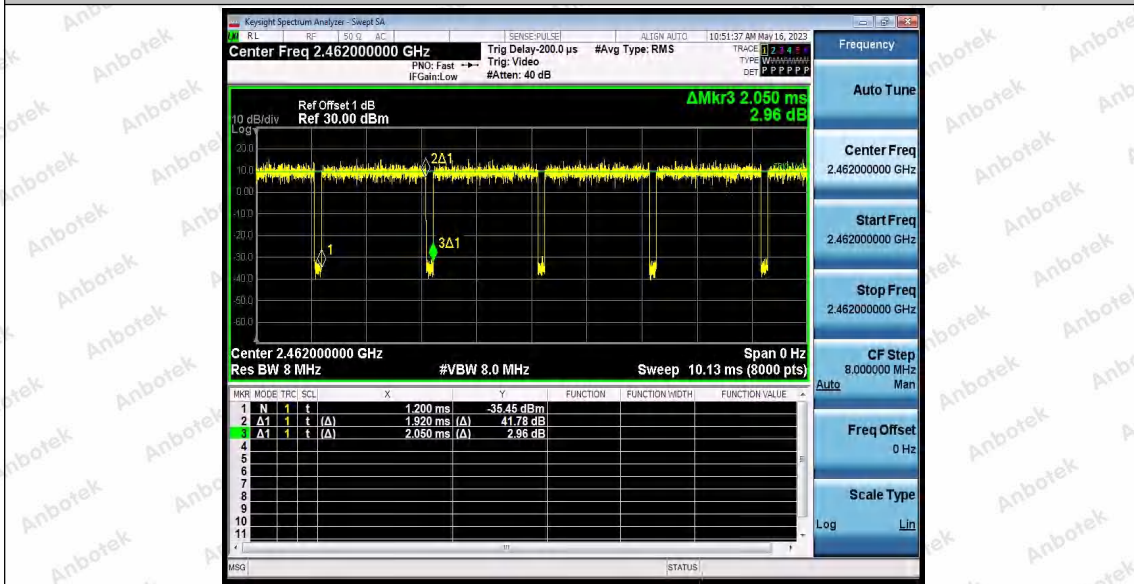
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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11N20SISO_Ant1_2462



---End---

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