

Appendix Test Data

Report No.:	18220WC20207302	Test Sample No.:	1-2-2
Start Test Date:	2022.9.5	Finish Test Date:	2022.9.9
Test Engineer:	<i>Jomy He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

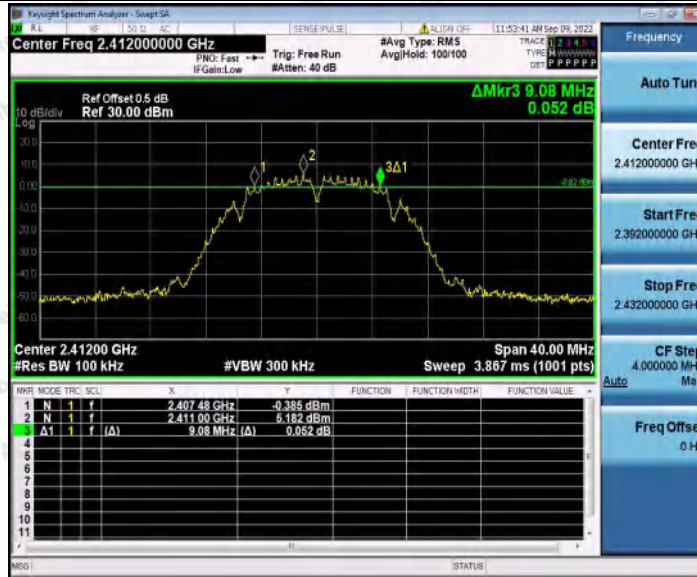
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.480	2416.560	0.5	PASS
		2437	9.040	2432.480	2441.520	0.5	PASS
		2462	8.600	2457.960	2466.560	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.480	2428.760	2445.240	0.5	PASS
		2462	16.360	2453.840	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.640	2403.200	2420.840	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.560	2453.240	2470.800	0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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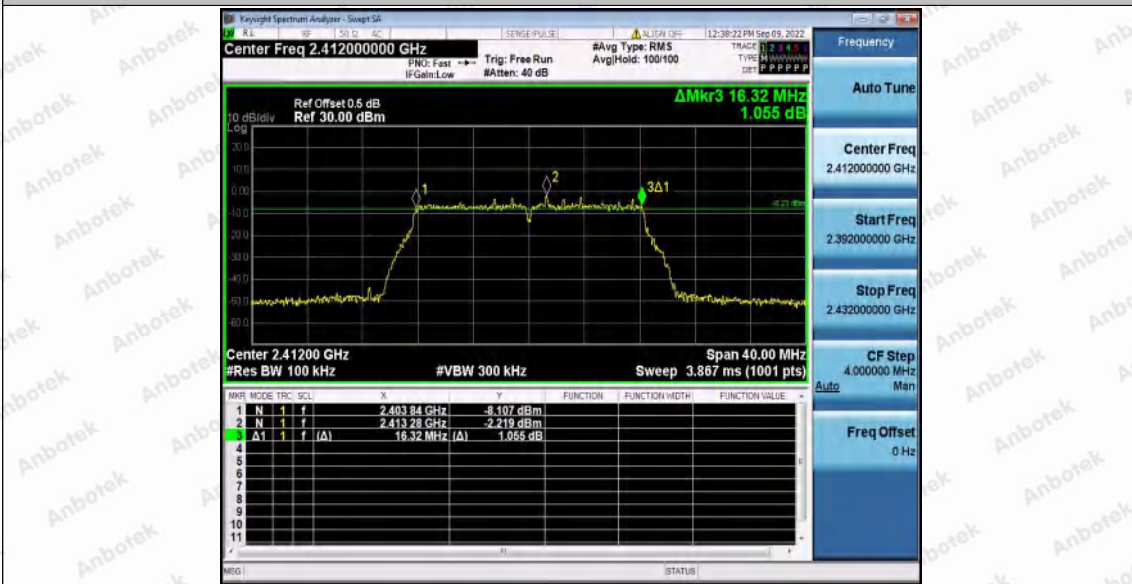
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11G_Ant1_2412



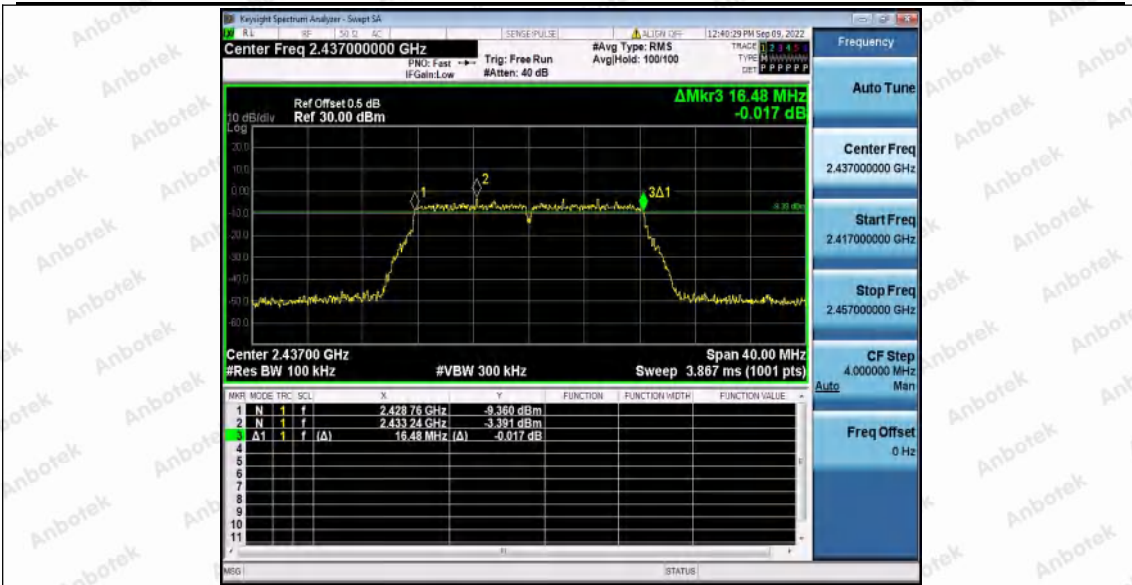
11G_Ant1_2437

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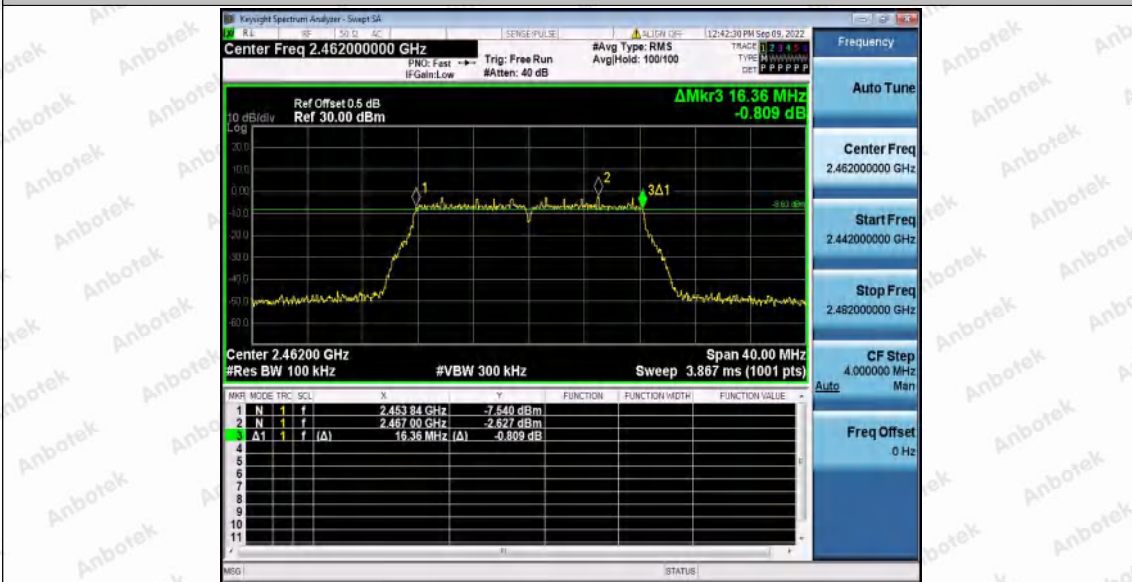
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11G_Ant1_2462



11N20SISO_Ant1_2412

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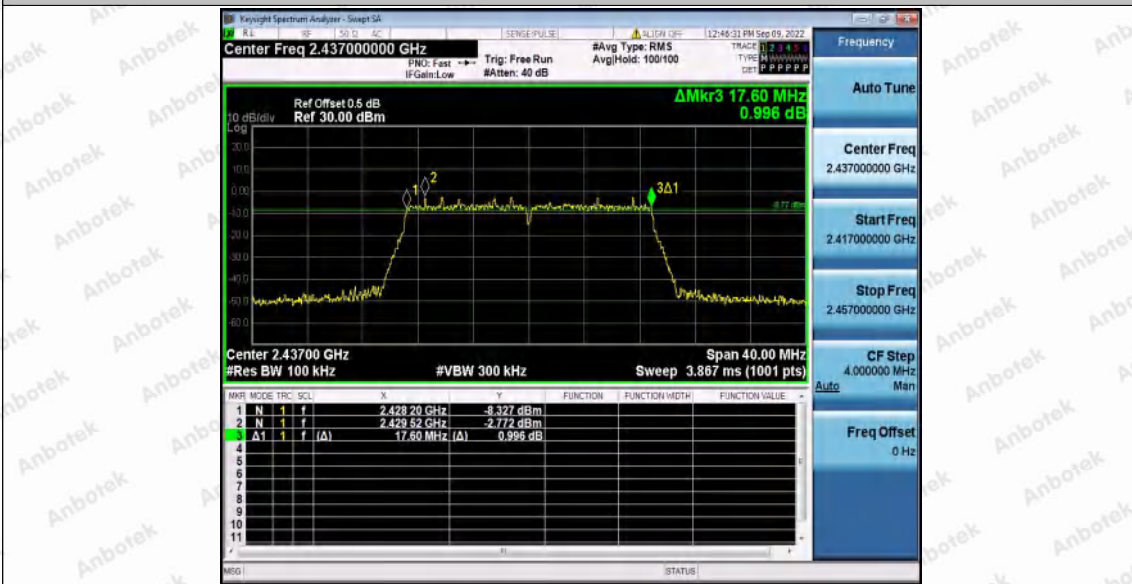
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11N20SISO_Ant1_2437



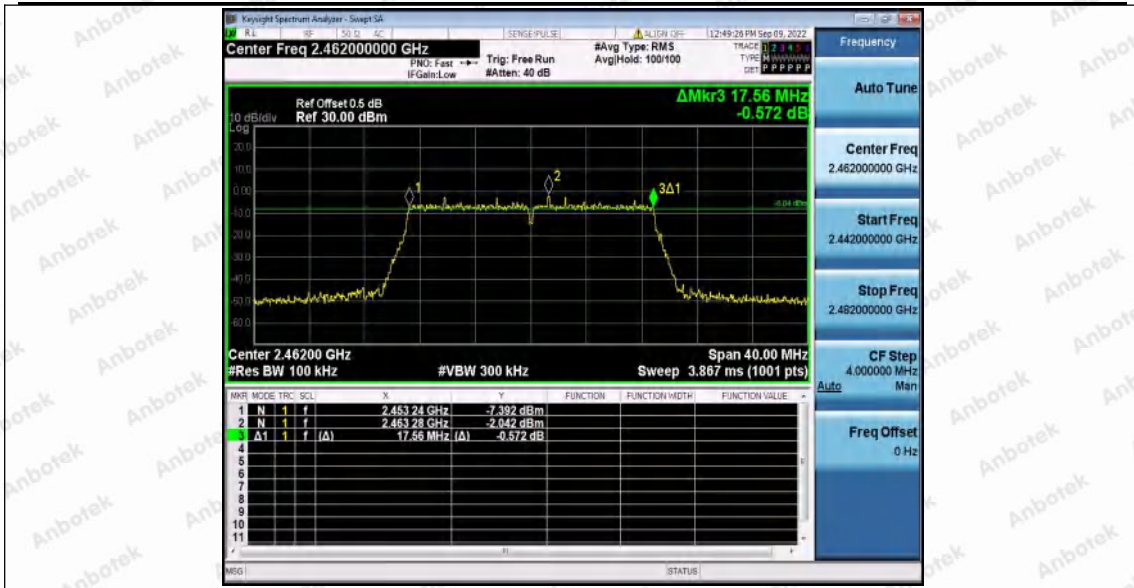
11N20SISO_Ant1_2462

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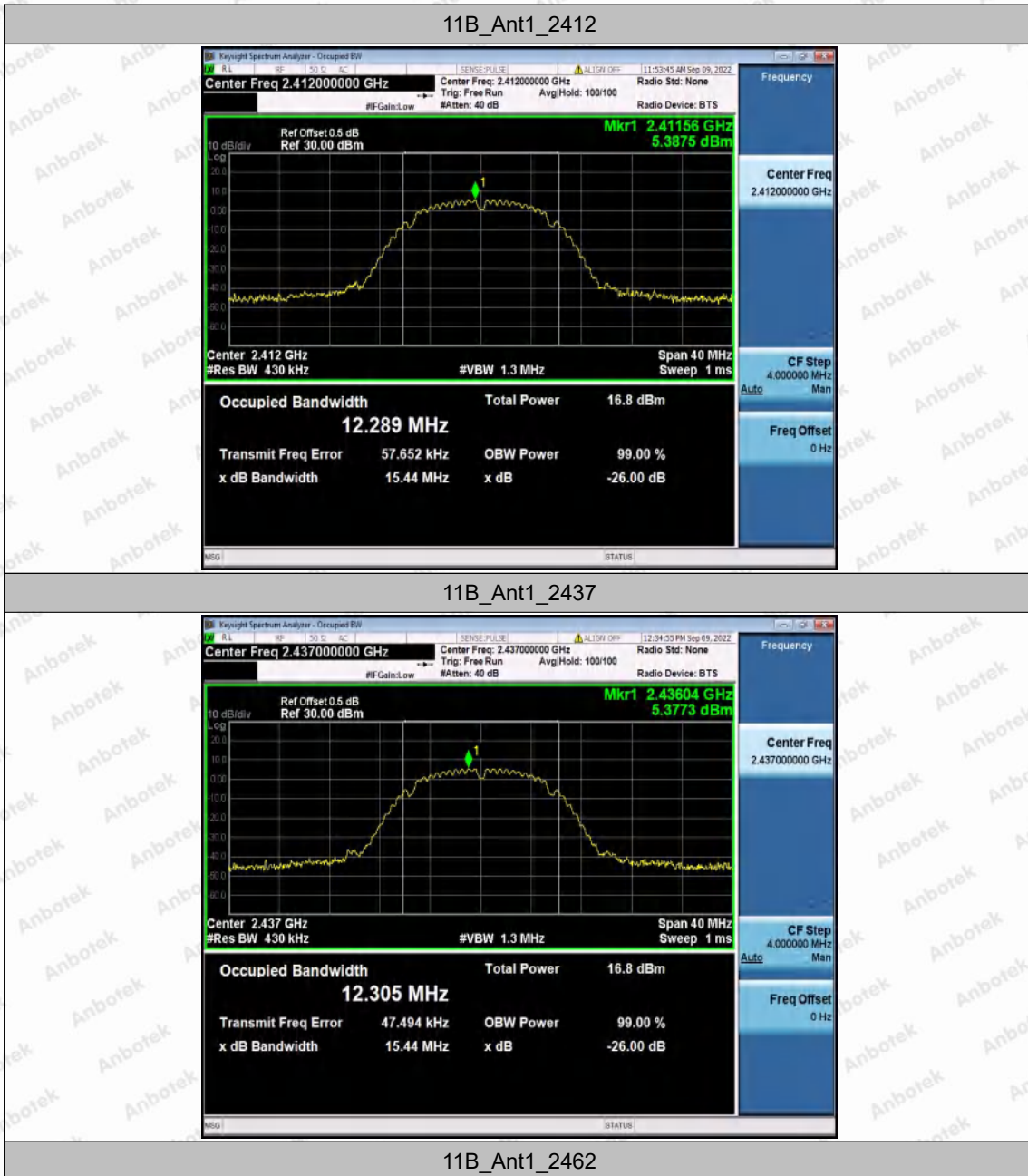
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	12.289	2405.9132	2418.2022
		2437	12.305	2430.8950	2443.2000
		2462	12.305	2455.8887	2468.1937
11G	Ant1	2412	17.116	2403.5152	2420.6312
		2437	17.022	2428.5019	2445.5239
		2462	17.133	2453.4447	2470.5777
11N20SISO	Ant1	2412	17.965	2403.0552	2421.0202
		2437	17.985	2428.0541	2446.0391
		2462	17.945	2453.0594	2471.0044



Test Graphs



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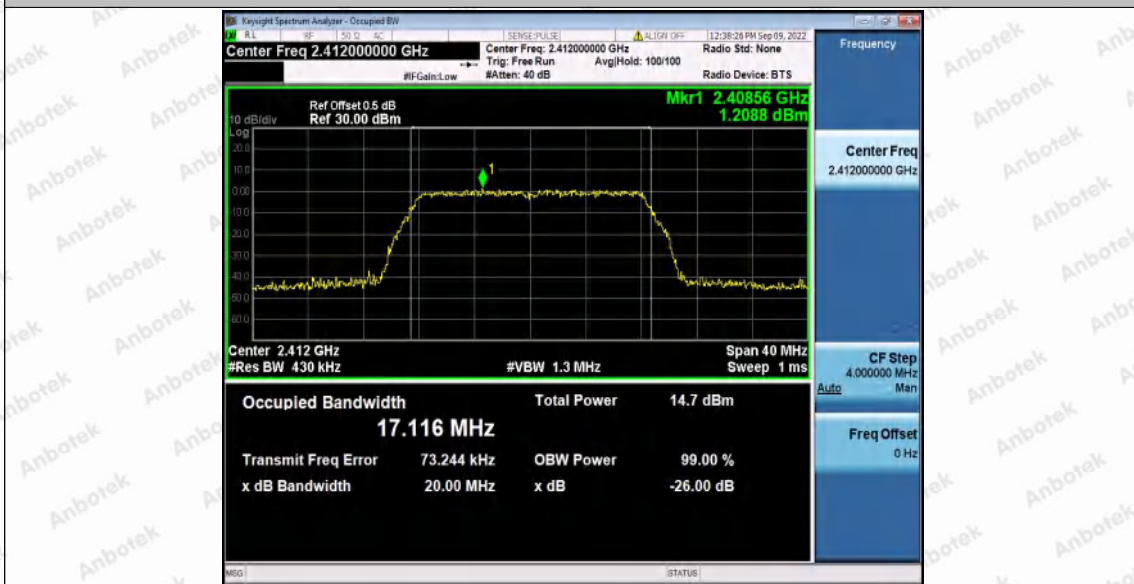
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11G_Ant1_2412



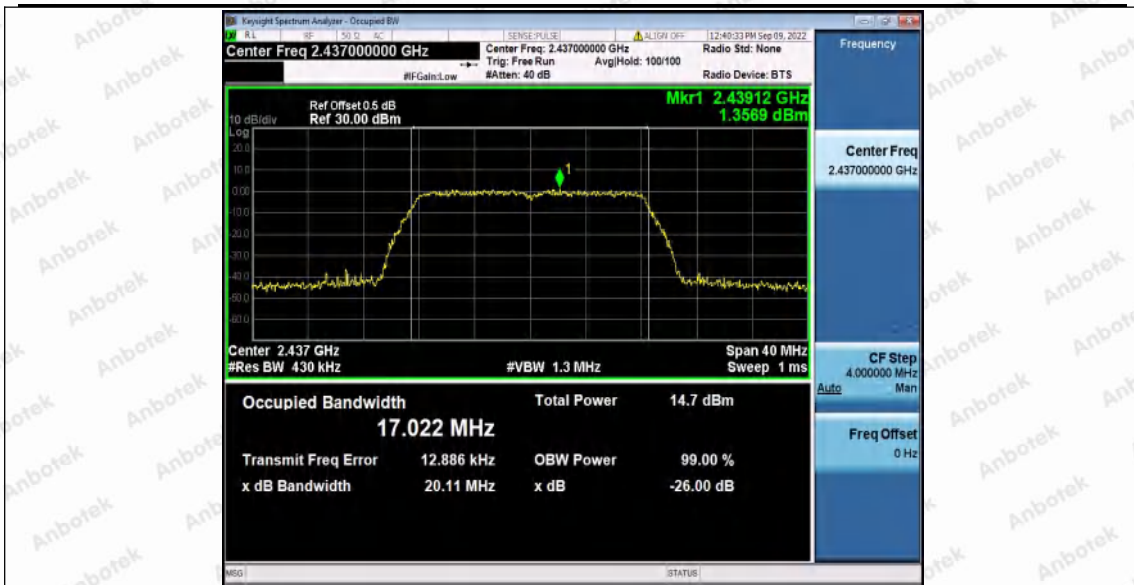
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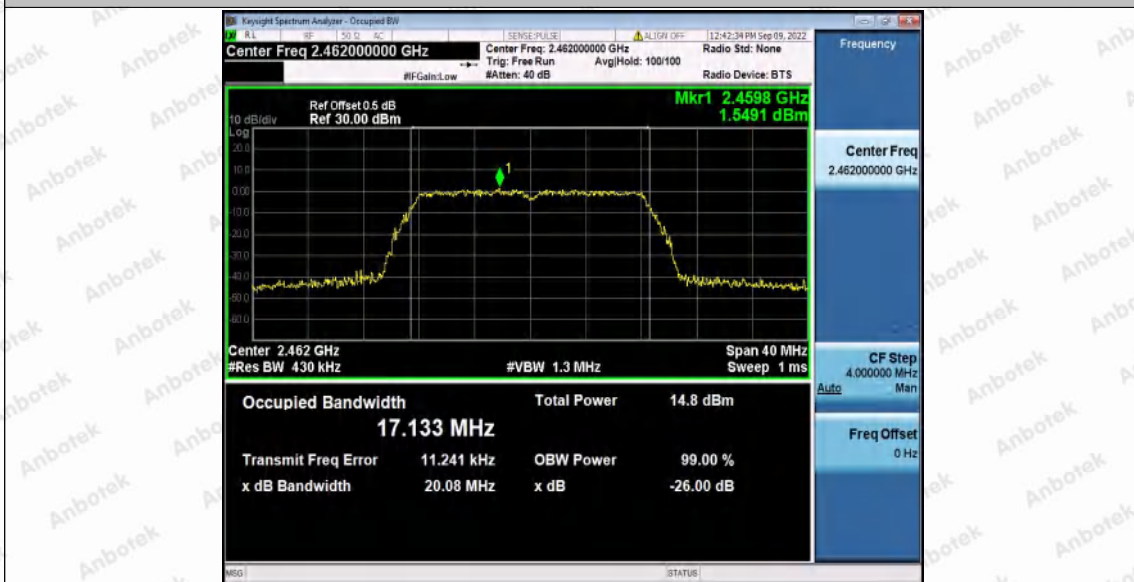
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11G_Ant1_2462



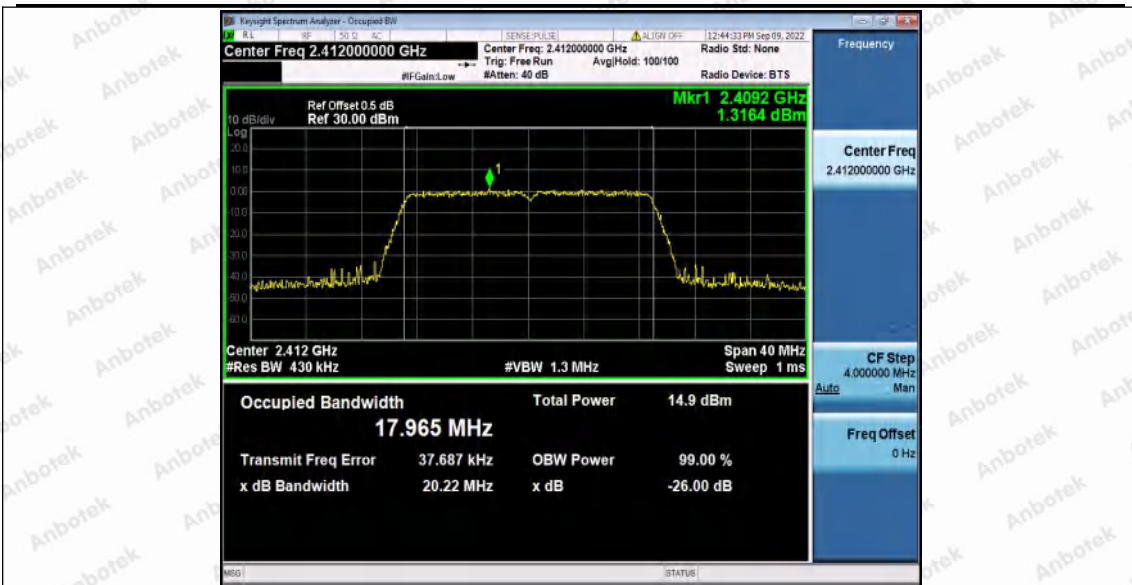
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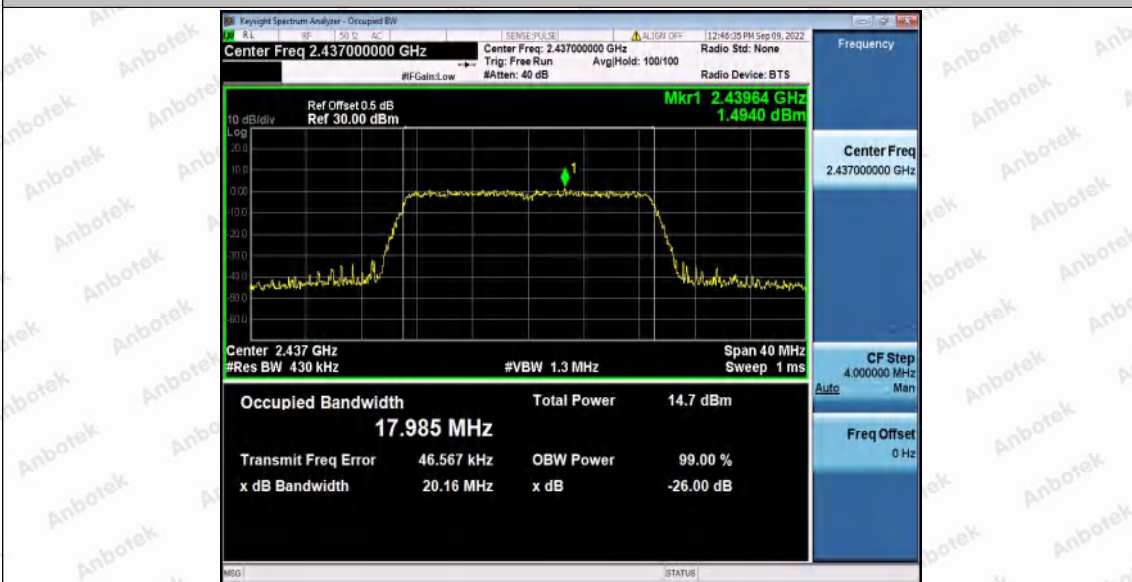
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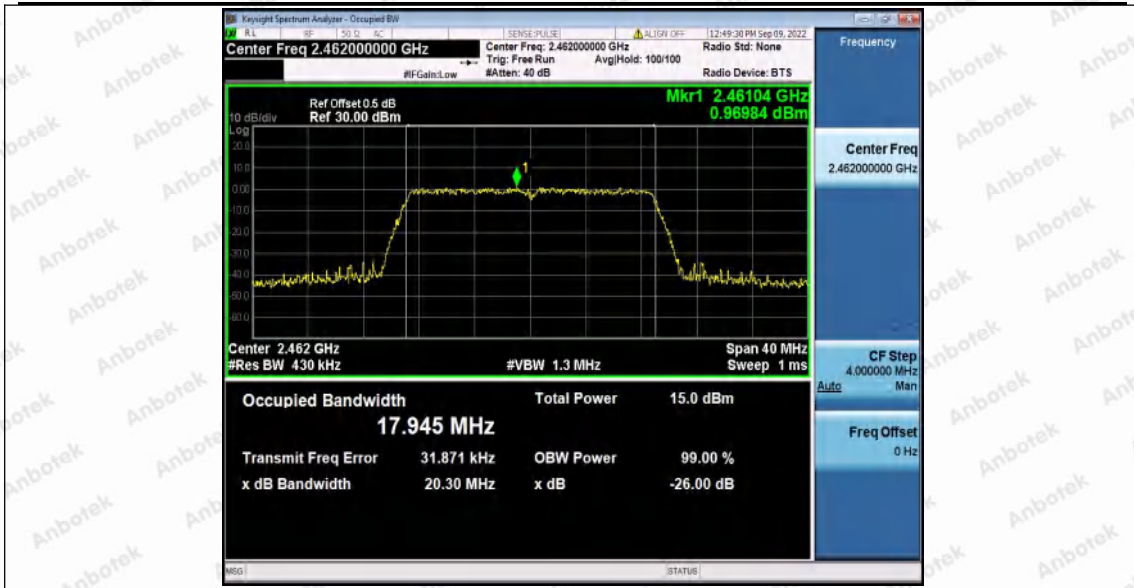


11N20SISO_Ant1_2437



11N20SISO_Ant1_2462





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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	16.42	≤30.00	PASS
		2437	16.42	≤30.00	PASS
		2462	16.10	≤30.00	PASS
11G	Ant1	2412	15.77	≤30.00	PASS
		2437	15.78	≤30.00	PASS
		2462	15.85	≤30.00	PASS
11N20SISO	Ant1	2412	16.12	≤30.00	PASS
		2437	15.76	≤30.00	PASS
		2462	15.92	≤30.00	PASS



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.30	≤8.00	PASS
		2437	-9.14	≤8.00	PASS
		2462	-7.63	≤8.00	PASS
11G	Ant1	2412	-15.99	≤8.00	PASS
		2437	-16.27	≤8.00	PASS
		2462	-16.31	≤8.00	PASS
11N20SISO	Ant1	2412	-16.07	≤8.00	PASS
		2437	-16.62	≤8.00	PASS
		2462	-16.79	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



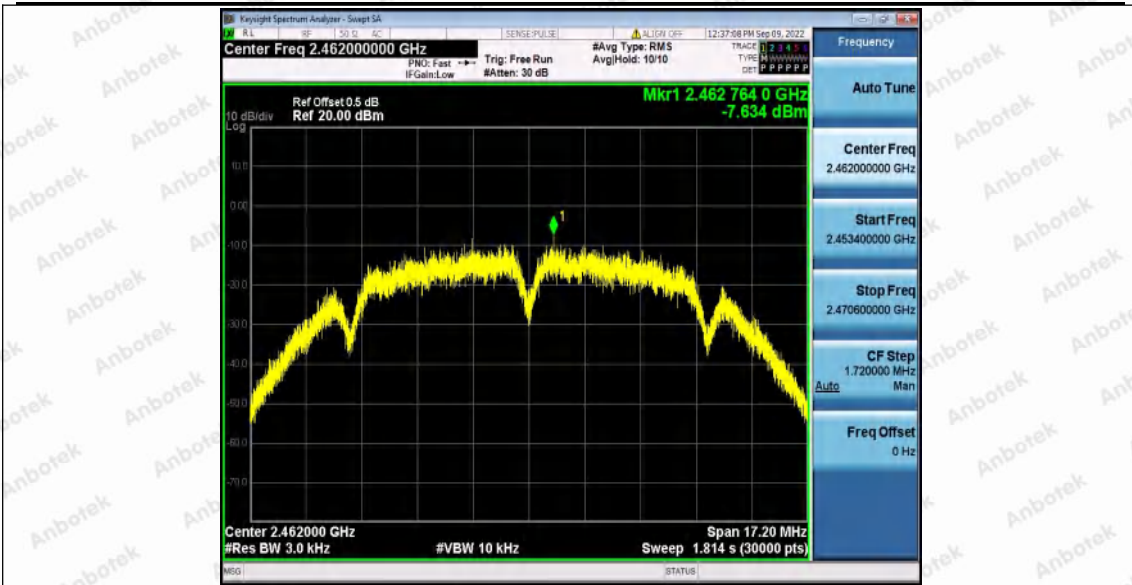
11B_Ant1_2462

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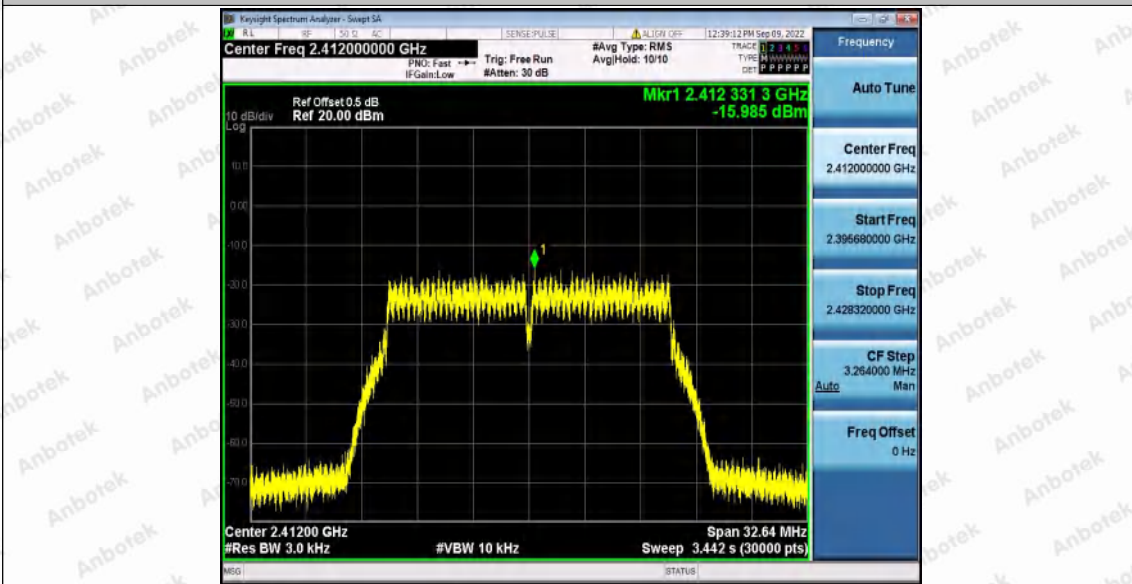
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11G_Ant1_2412



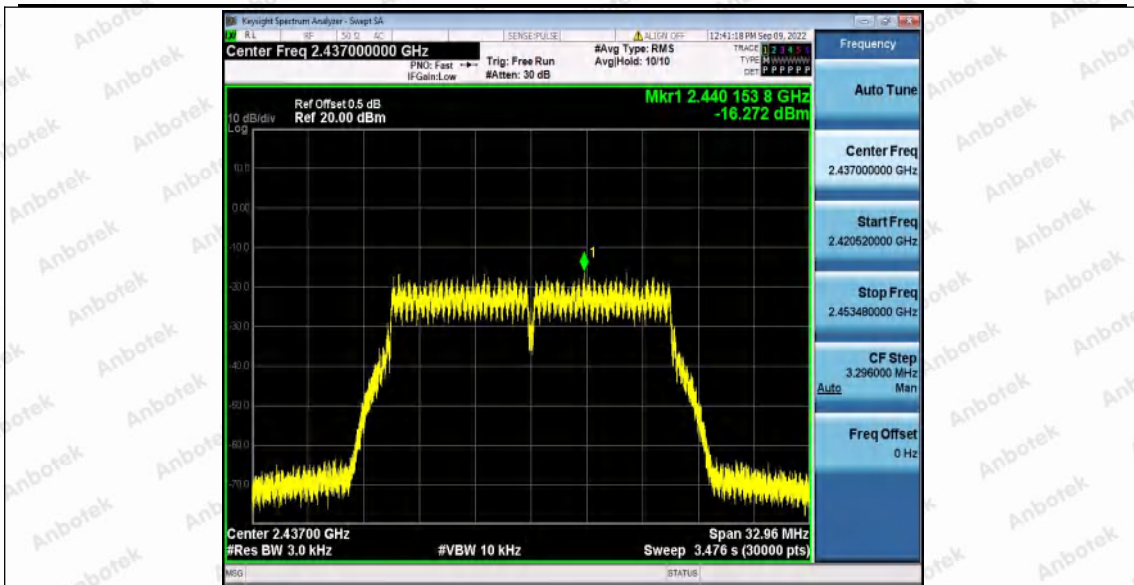
11G_Ant1_2437

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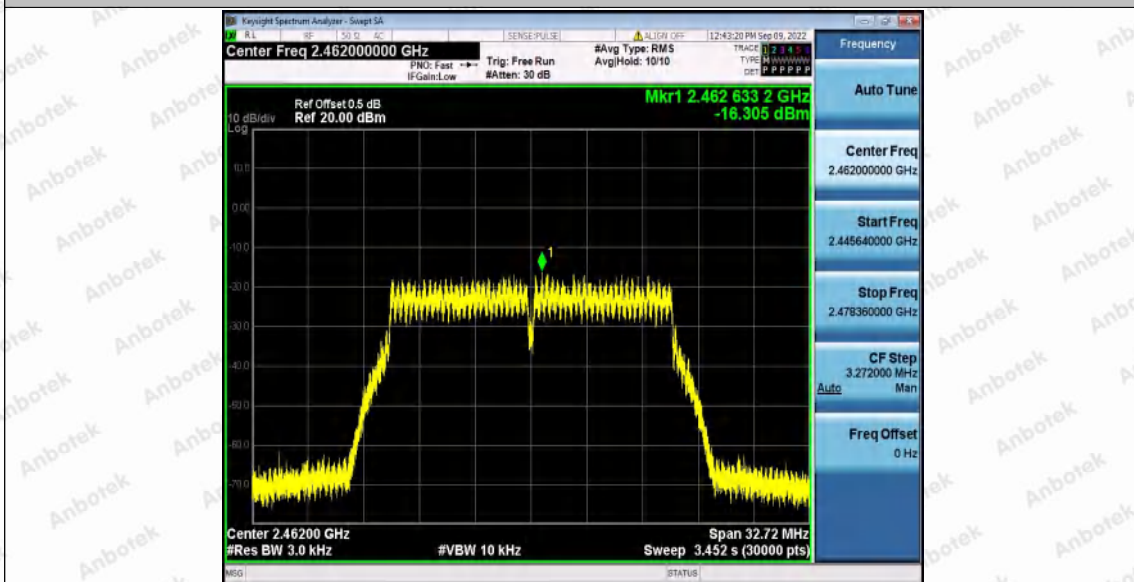
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11G_Ant1_2462



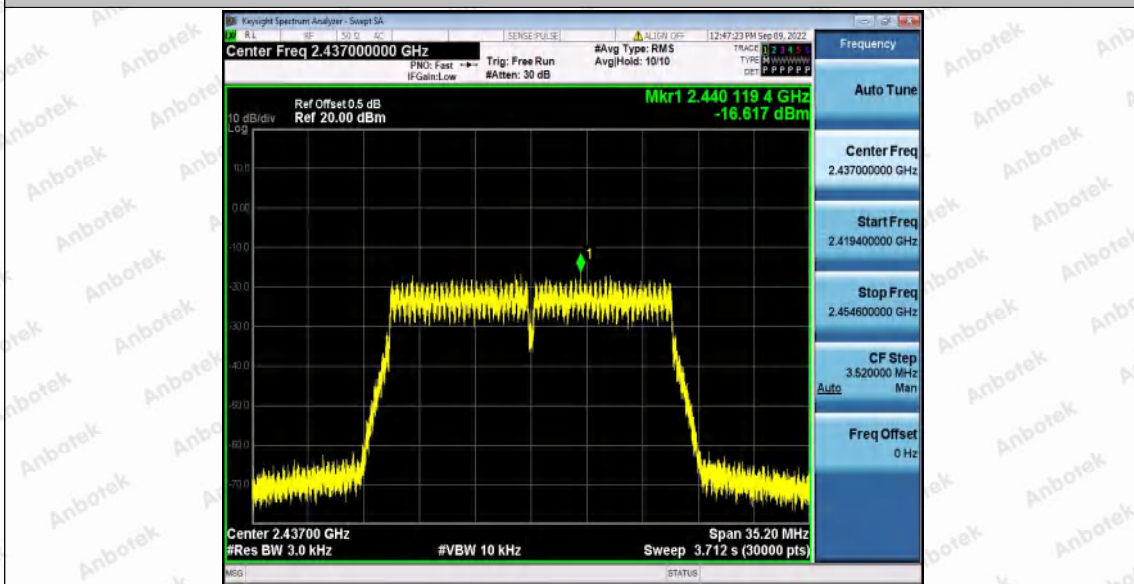
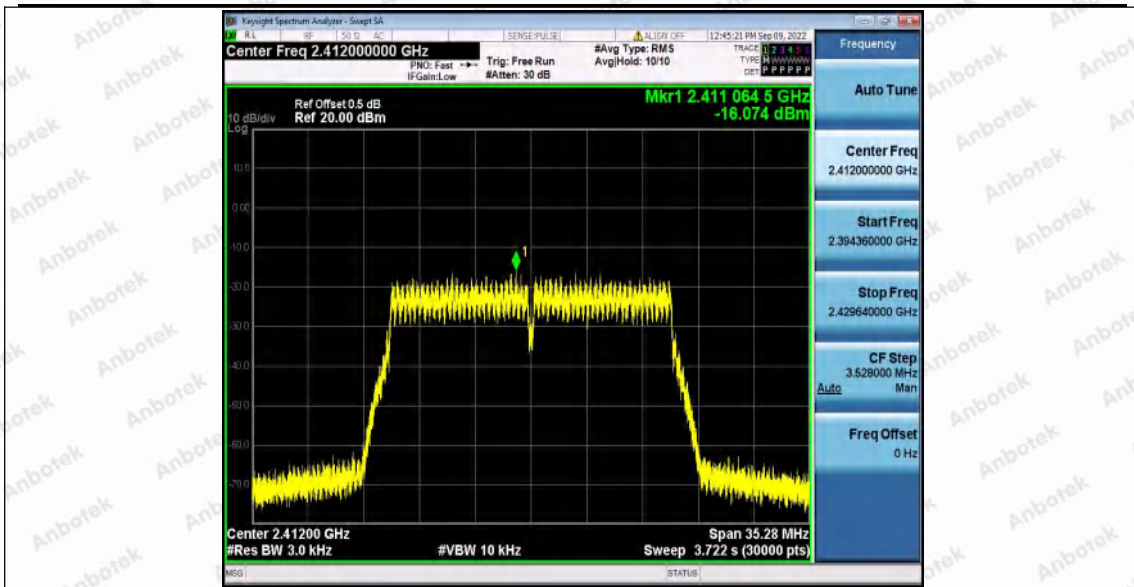
11N20SISO_Ant1_2412

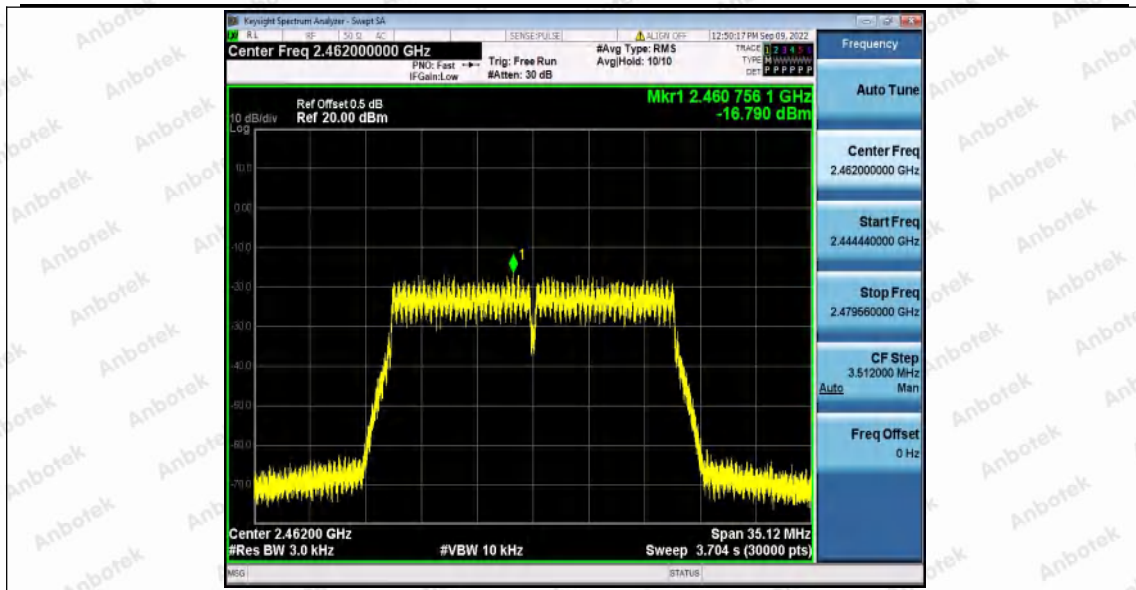
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Appendix E: Band edge measurements

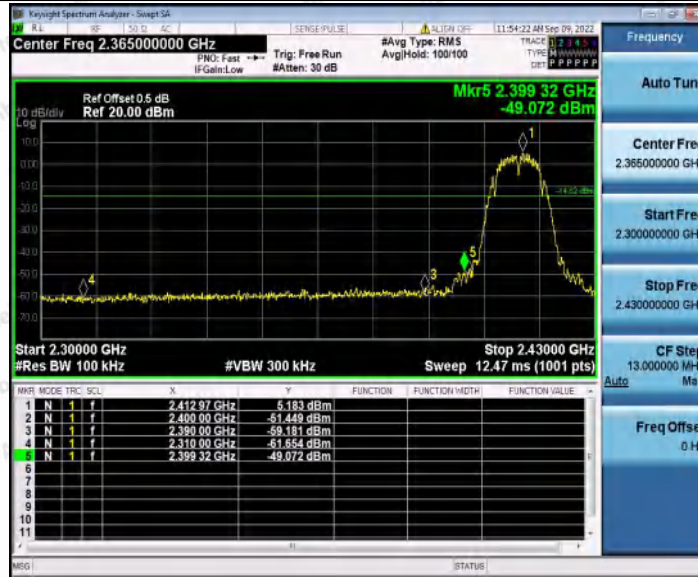
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.18	-49.07	≤-14.82	PASS
		High	2462	4.49	-55.32	≤-15.51	PASS
11G	Ant1	Low	2412	-2.23	-49.48	≤-22.23	PASS
		High	2462	-2.66	-54.3	≤-22.66	PASS
11N20SISO	Ant1	Low	2412	-2.80	-45.13	≤-22.8	PASS
		High	2462	-2.64	-54.23	≤-22.64	PASS

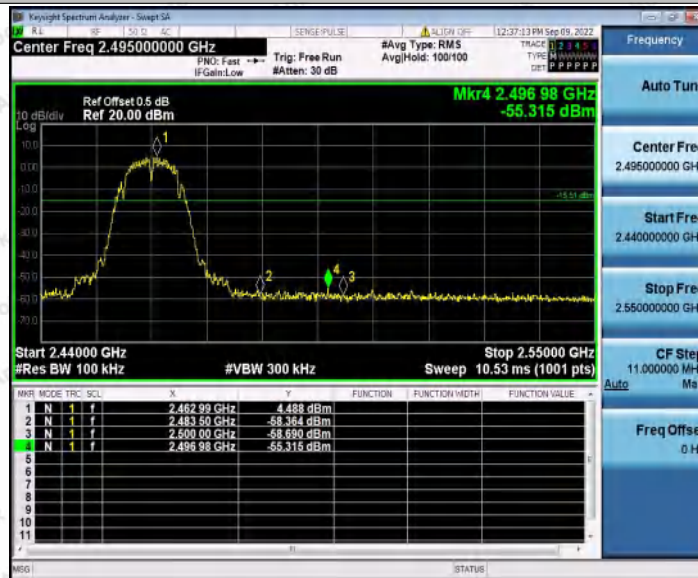


Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



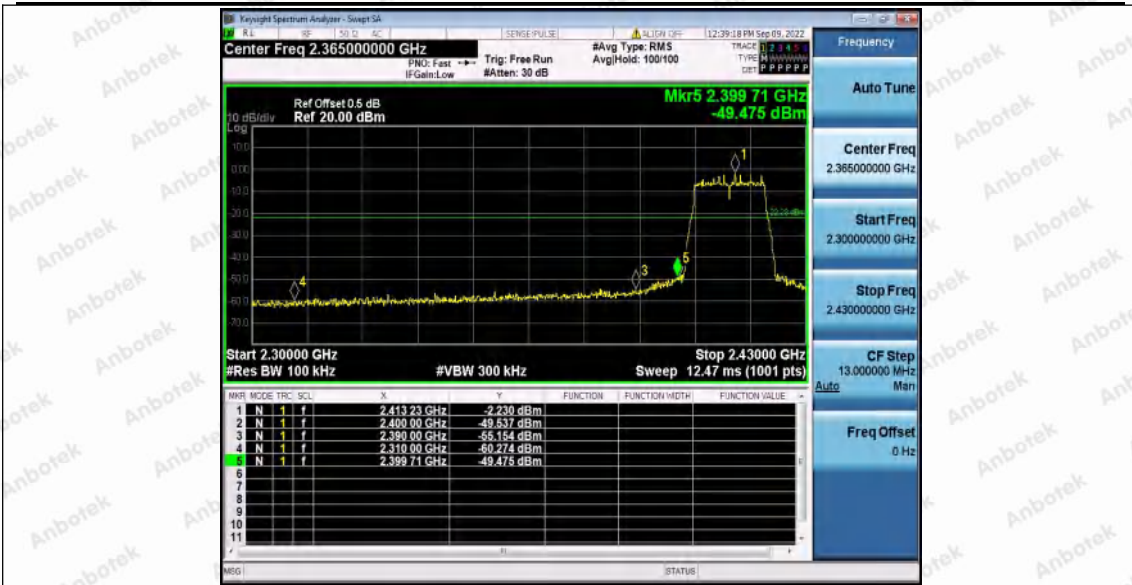
11G_Ant1_Low_2412

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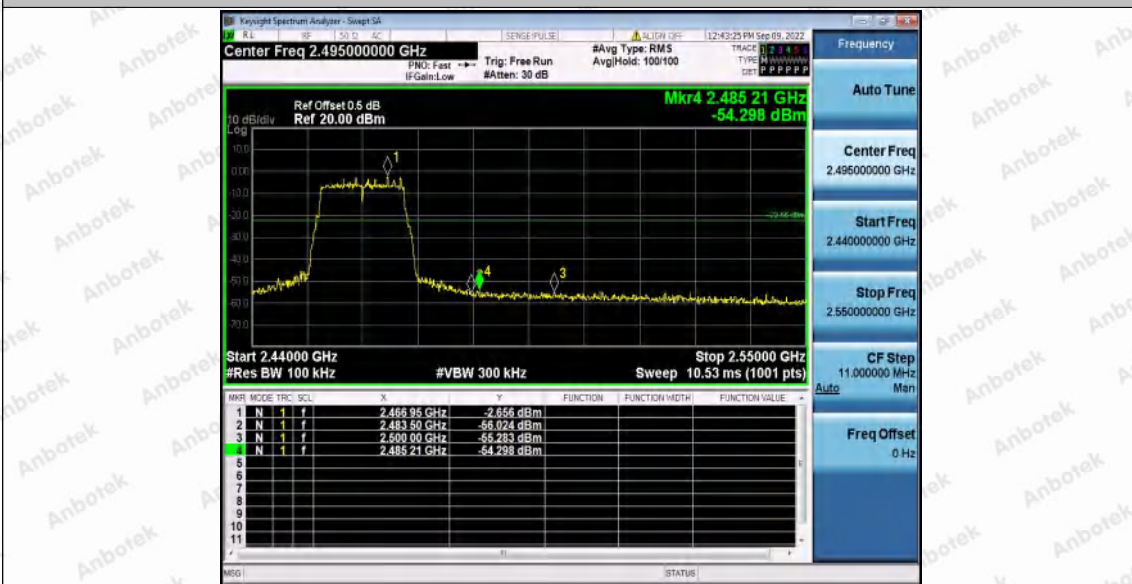
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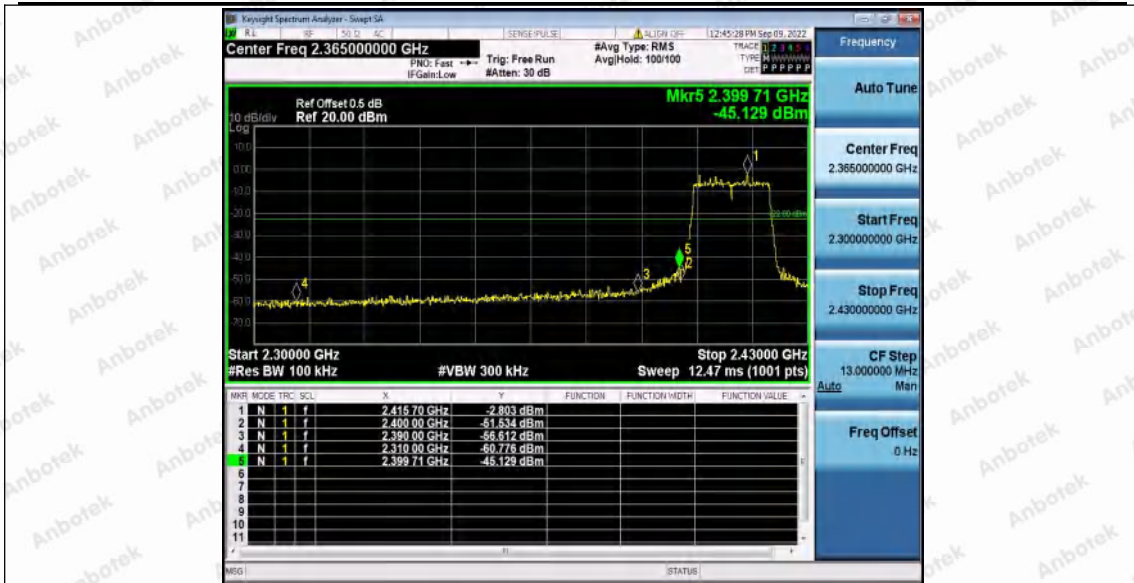


11G_Ant1_High_2462

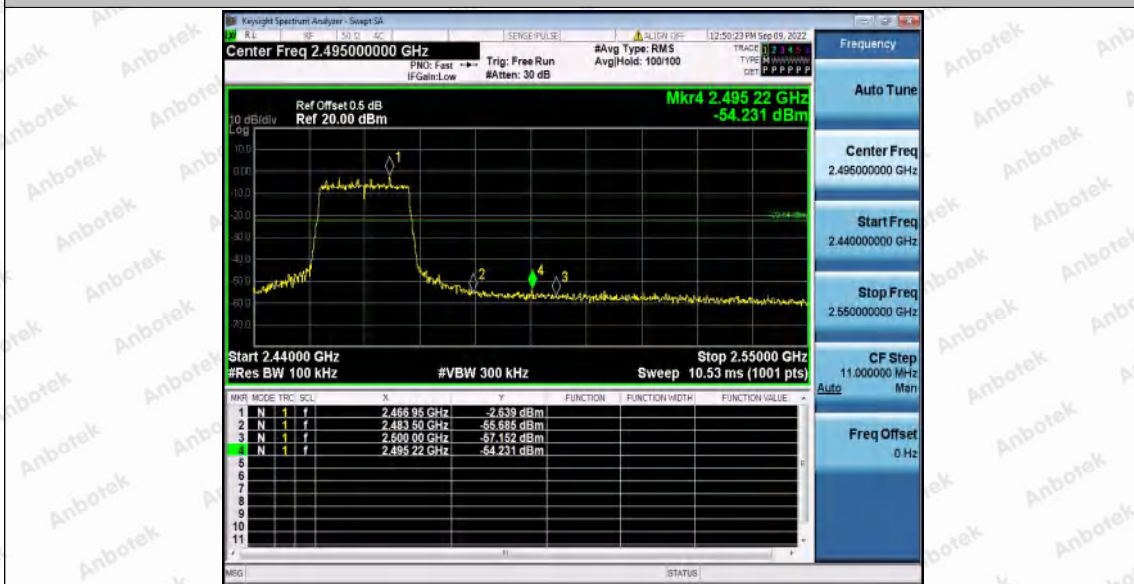


11N20SISO_Ant1_Low_2412





11N20SISO_Ant1_High_2462



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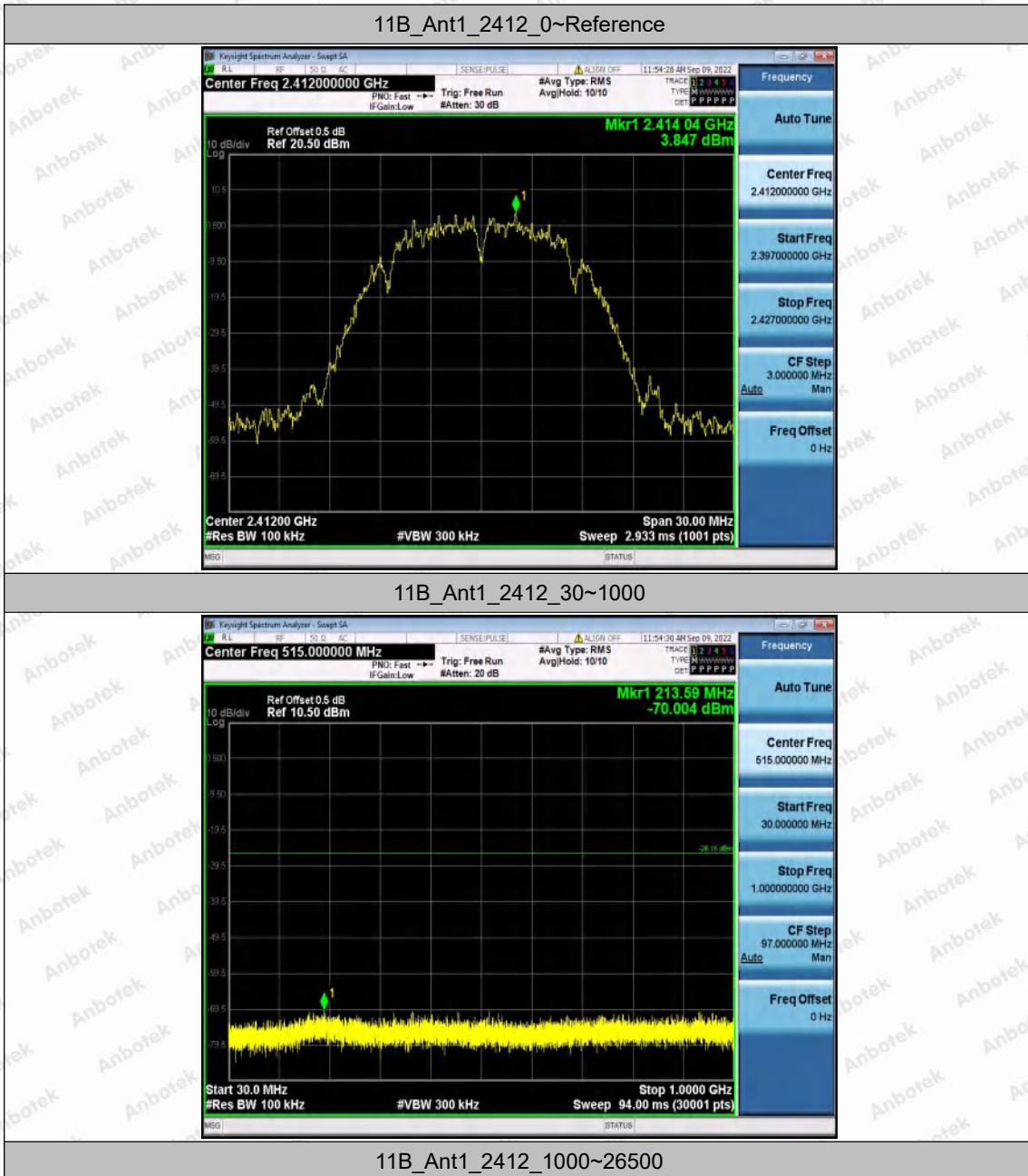
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.85	3.85	---	PASS
			30~1000	3.85	-70	≤-26.15	PASS
			1000~26500	3.85	-53.89	≤-26.15	PASS
		2437	Reference	3.86	3.86	---	PASS
			30~1000	3.86	-69.94	≤-26.14	PASS
			1000~26500	3.86	-53.72	≤-26.14	PASS
		2462	Reference	3.34	3.34	---	PASS
			30~1000	3.34	-69.42	≤-26.66	PASS
			1000~26500	3.34	-53.61	≤-26.66	PASS
11G	Ant1	2412	Reference	-3.27	-3.27	---	PASS
			30~1000	-3.27	-69.4	≤-33.27	PASS
			1000~26500	-3.27	-53.76	≤-33.27	PASS
		2437	Reference	-5.12	-5.12	---	PASS
			30~1000	-5.12	-69.74	≤-35.12	PASS
			1000~26500	-5.12	-54.08	≤-35.12	PASS
		2462	Reference	-4.47	-4.47	---	PASS
			30~1000	-4.47	-68.89	≤-34.47	PASS
			1000~26500	-4.47	-53.94	≤-34.47	PASS
11N20SISO	Ant1	2412	Reference	-4.33	-4.33	---	PASS
			30~1000	-4.33	-69.63	≤-34.33	PASS
			1000~26500	-4.33	-54.14	≤-34.33	PASS
		2437	Reference	-4.98	-4.98	---	PASS
			30~1000	-4.98	-69.64	≤-34.98	PASS
			1000~26500	-4.98	-53.55	≤-34.98	PASS
		2462	Reference	-2.84	-2.84	---	PASS
			30~1000	-2.84	-69.62	≤-32.84	PASS
			1000~26500	-2.84	-54.4	≤-32.84	PASS



Test Graphs

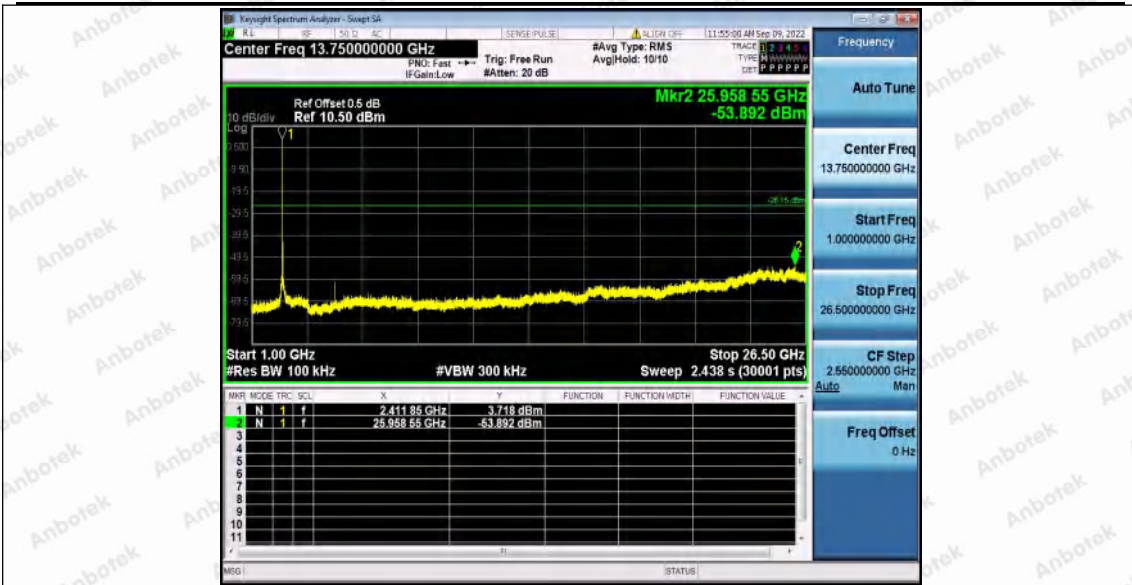


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11B_Ant1_2437_0~Reference



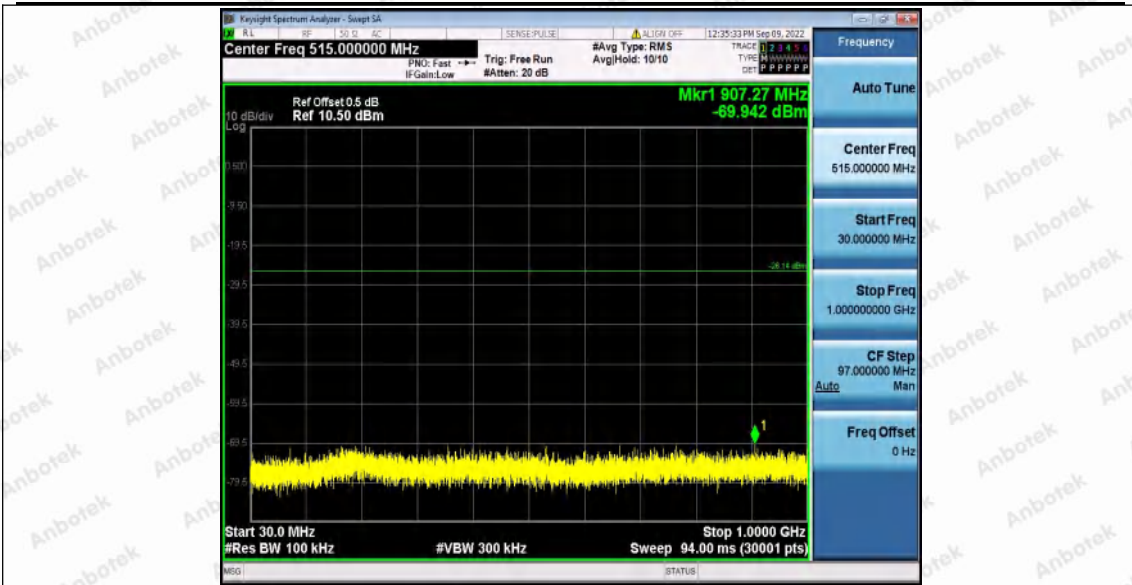
11B_Ant1_2437_30~1000

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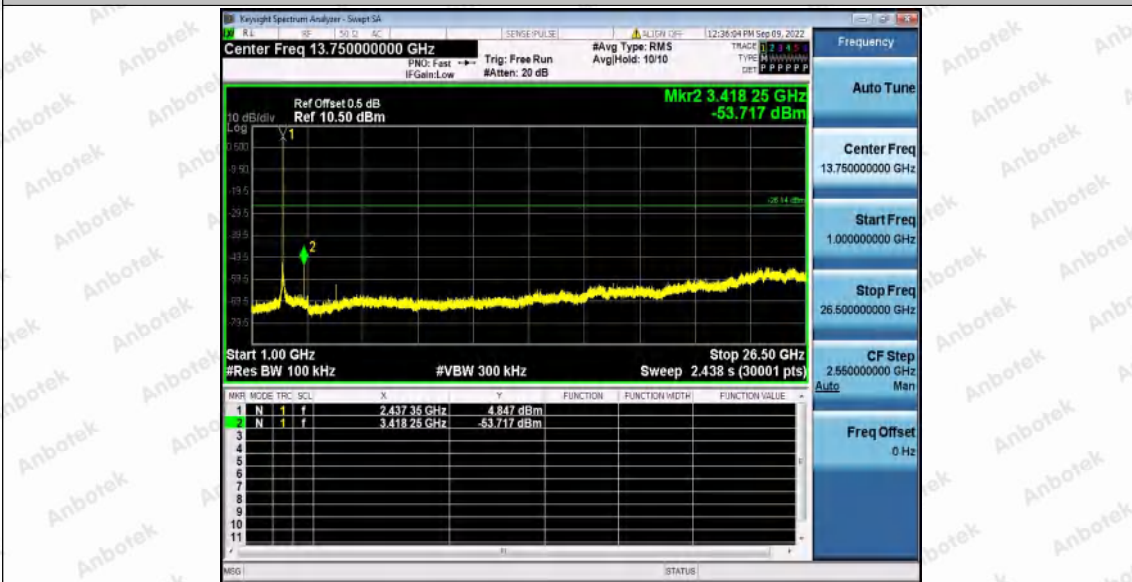
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11B_Ant1_2437_1000~26500

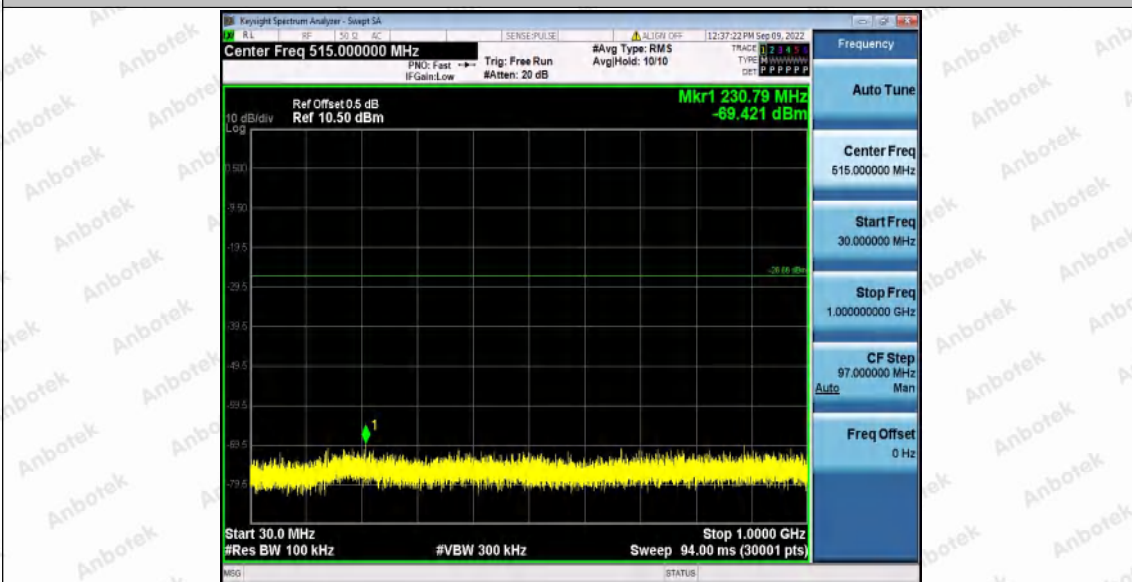


11B_Ant1_2462_0~Reference





11B_Ant1_2462_30~1000



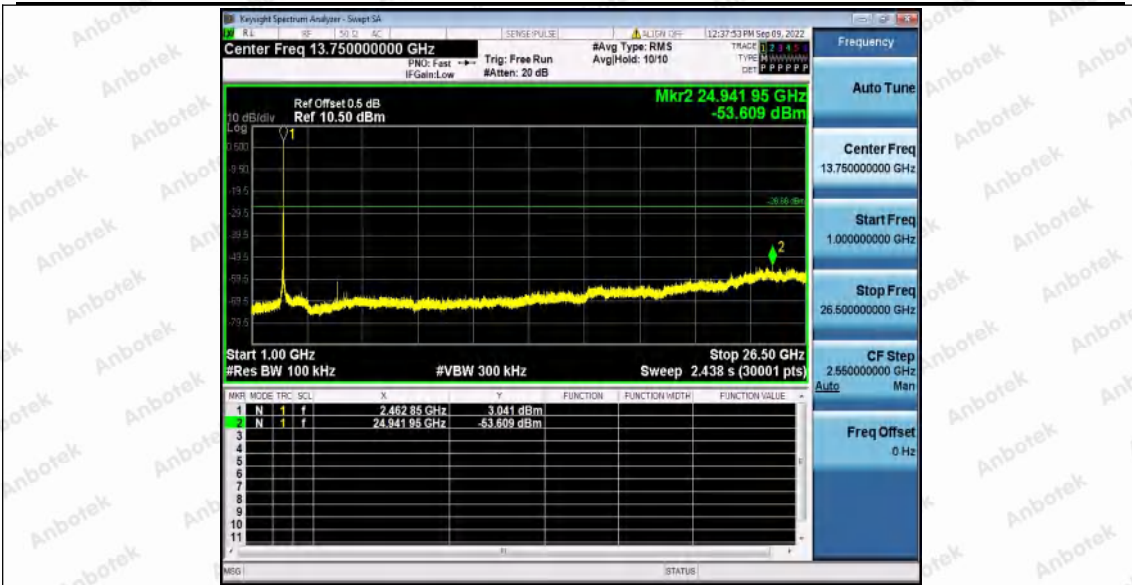
11B_Ant1_2462_1000~26500

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11G_Ant1_2412_0~Reference



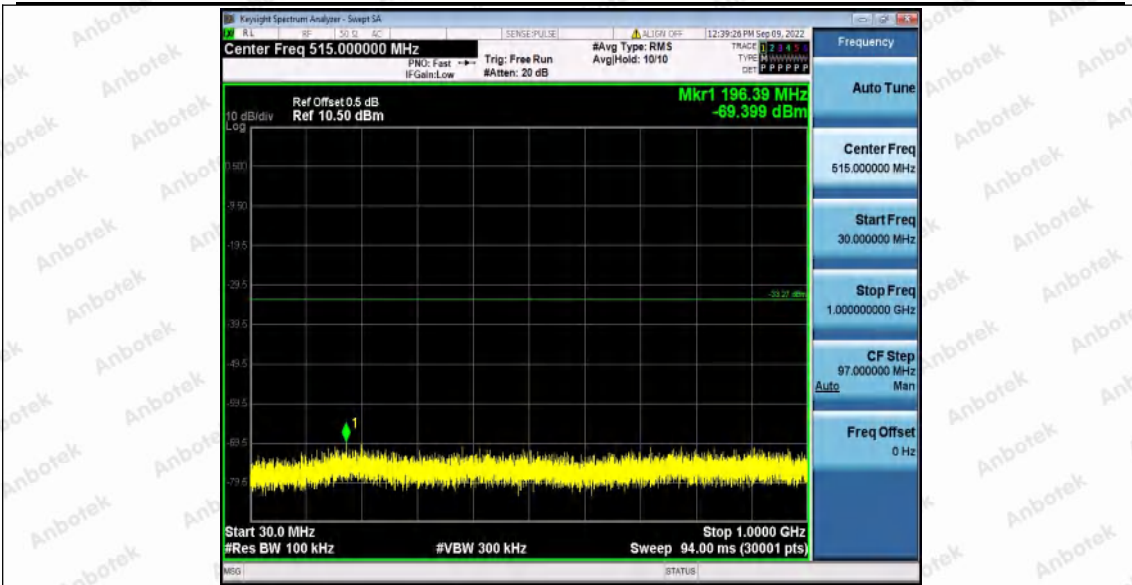
11G_Ant1_2412_30~1000

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11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference

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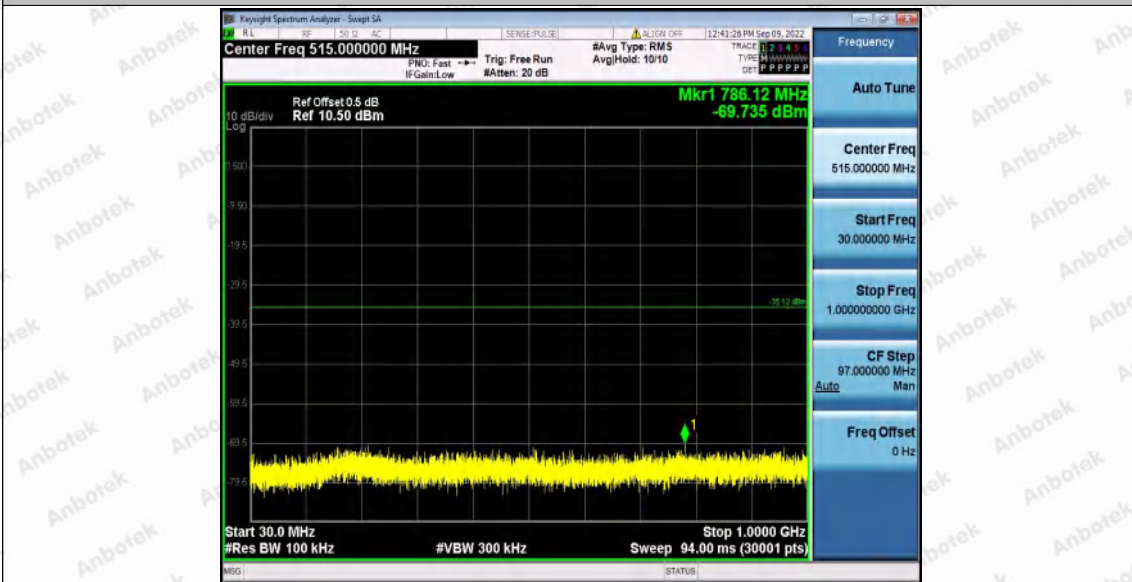
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11G_Ant1_2437_30~1000



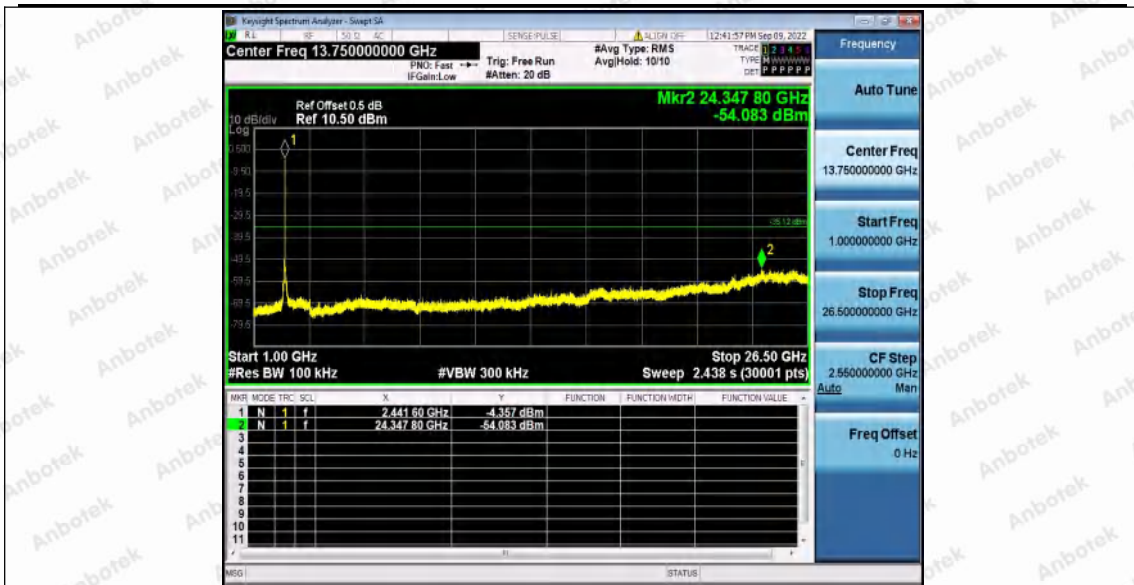
11G_Ant1_2437_1000~26500

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11G_Ant1_2462_0~Reference



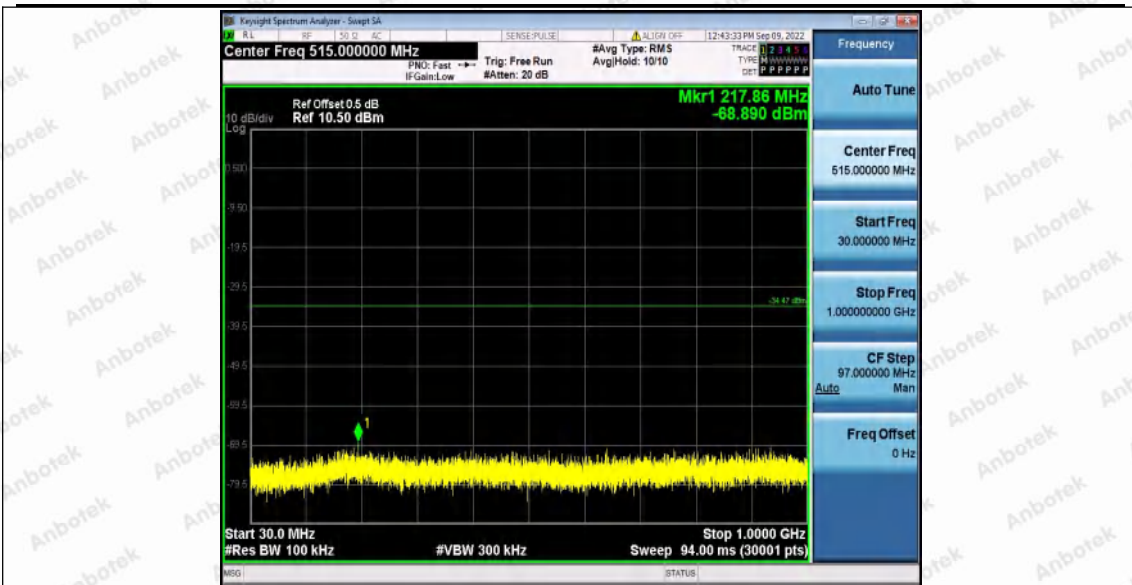
11G_Ant1_2462_30~1000

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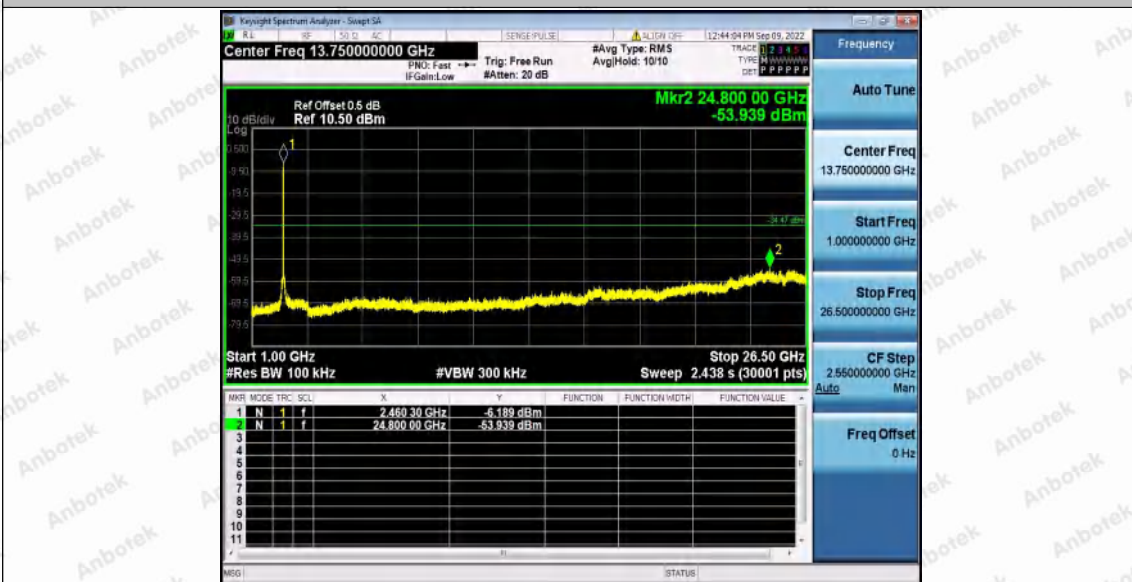
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference

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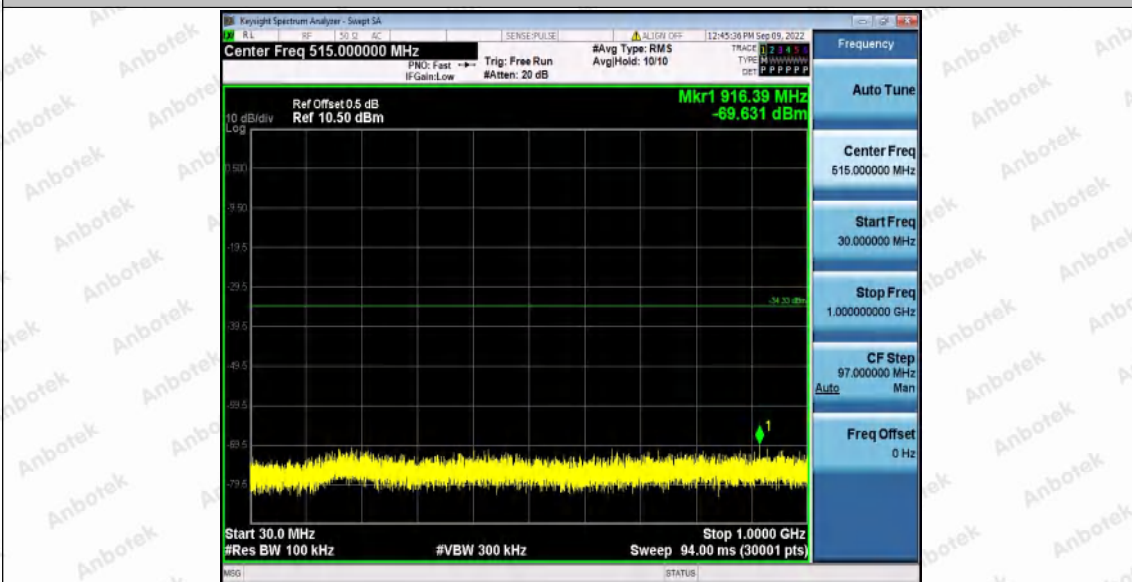
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11N20SISO_Ant1_2412_30~1000



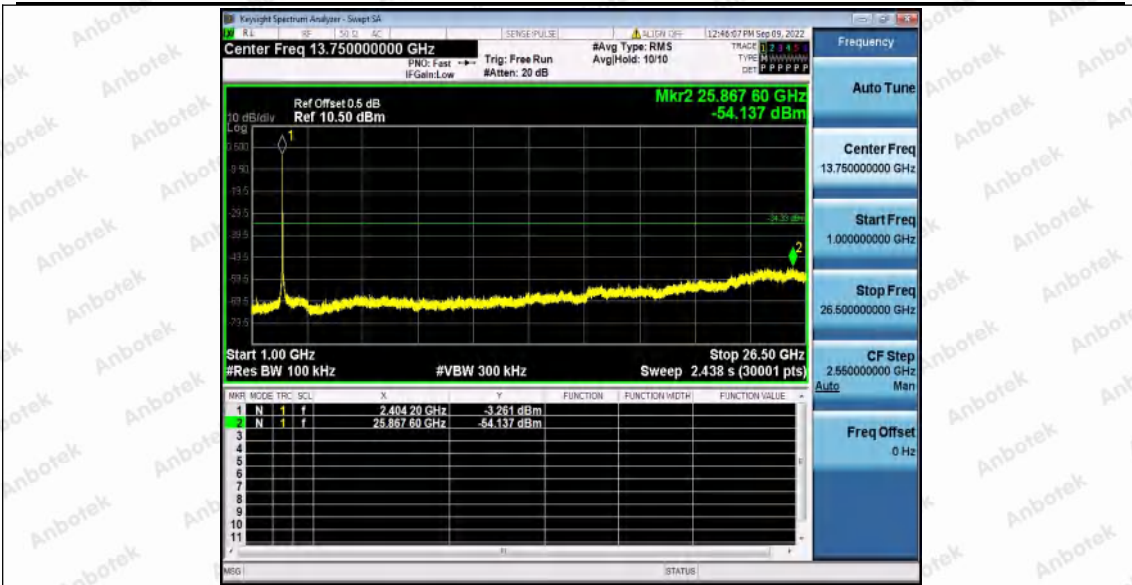
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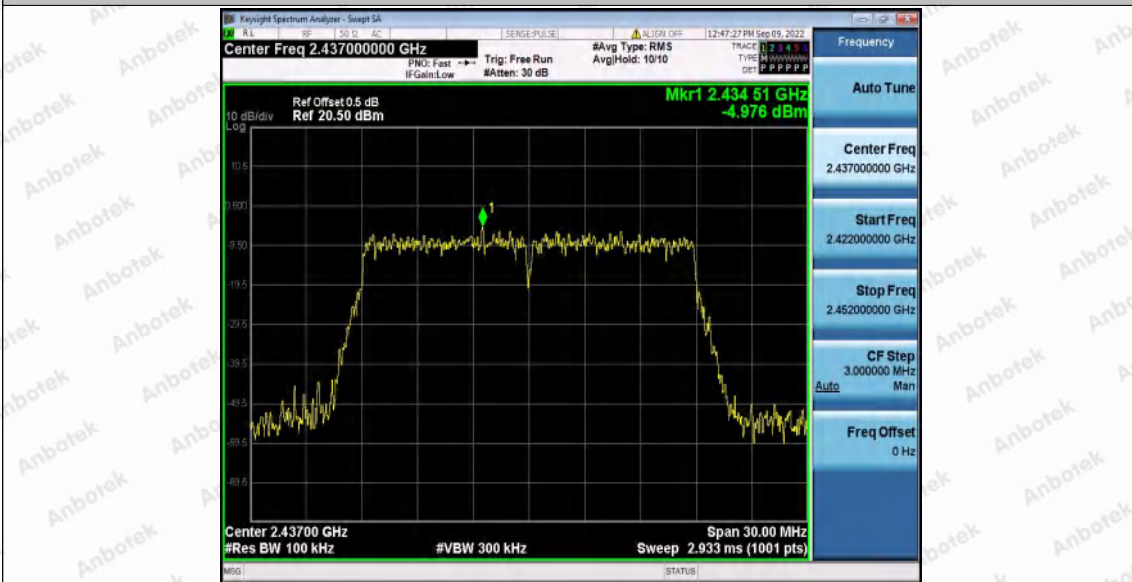
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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11N20SISO_Ant1_2437_0~Reference



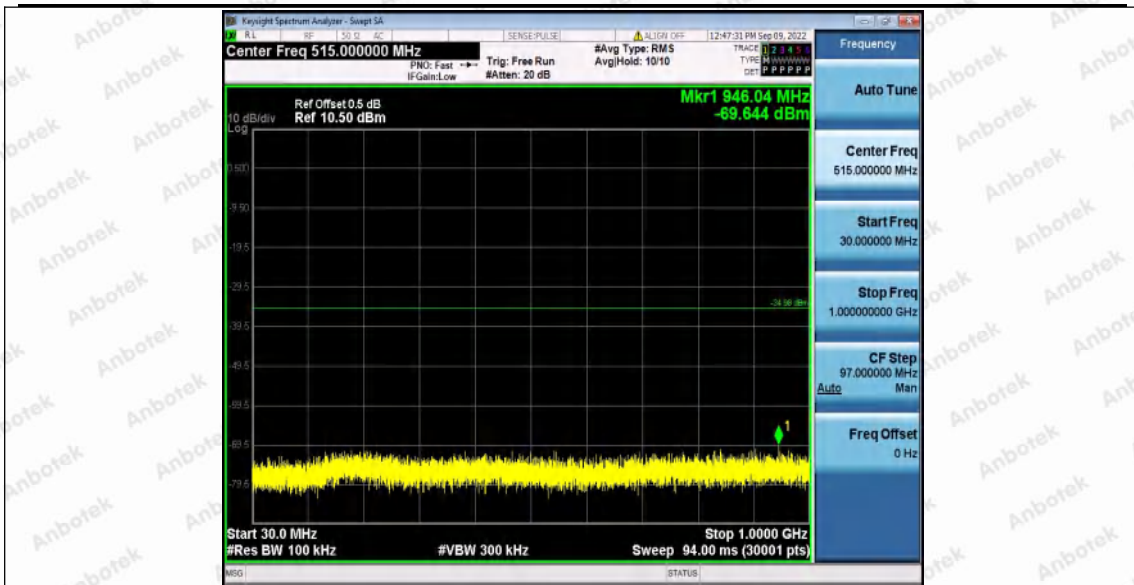
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Shenzhen Anbotek Compliance Laboratory Limited

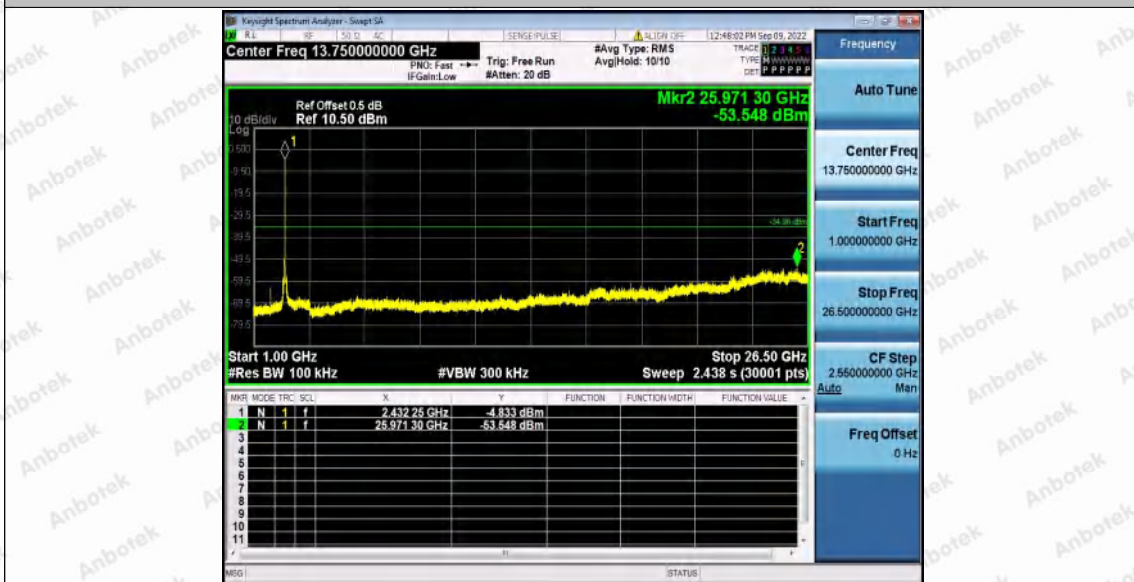
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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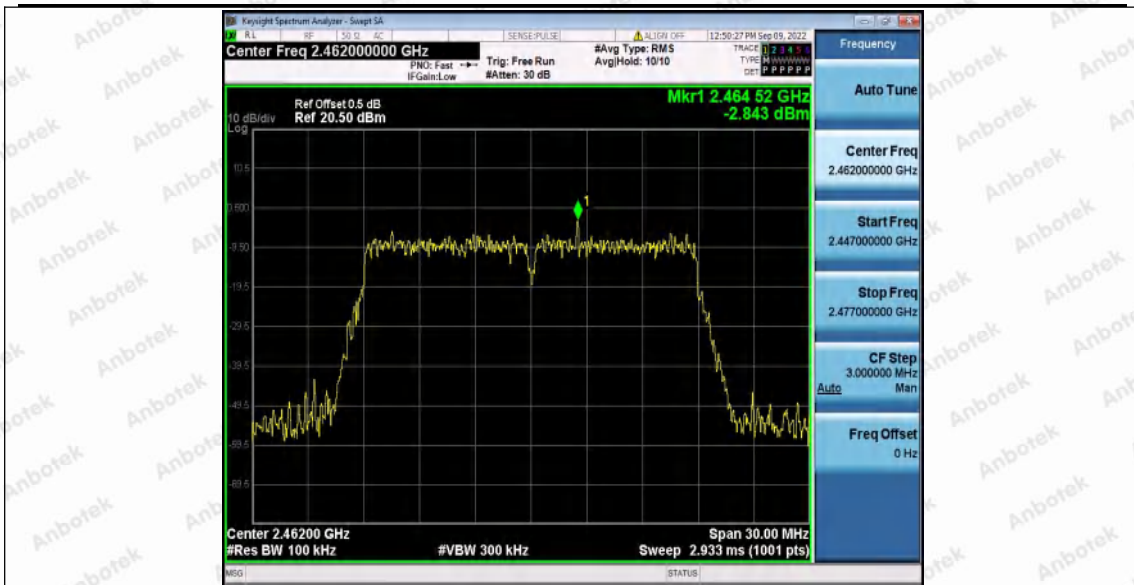


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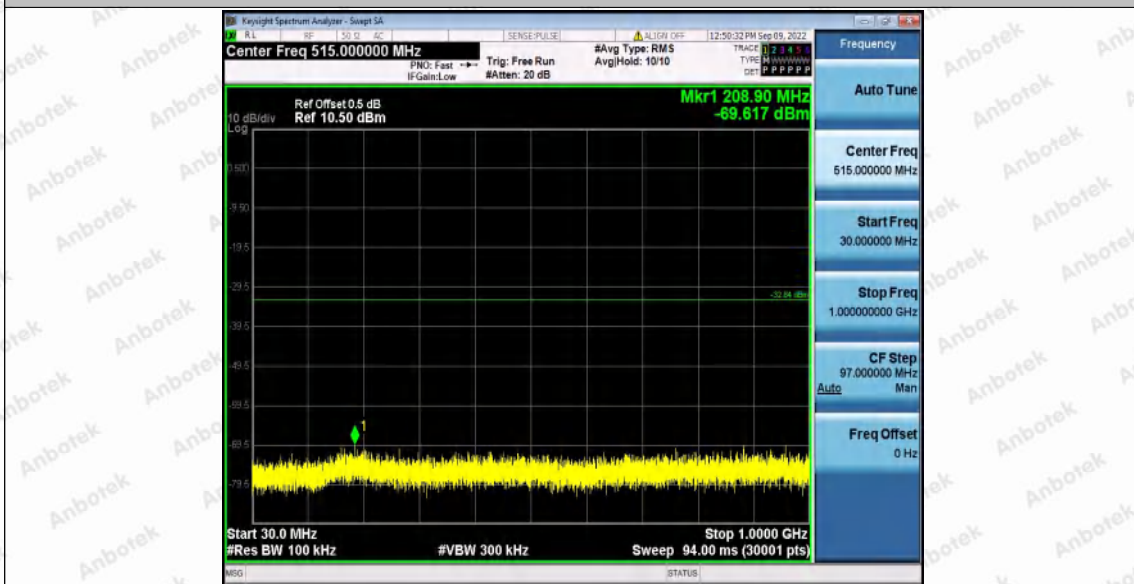


11N20SISO_Ant1_2462_0~Reference





11N20SISO_Ant1_2462_30~1000



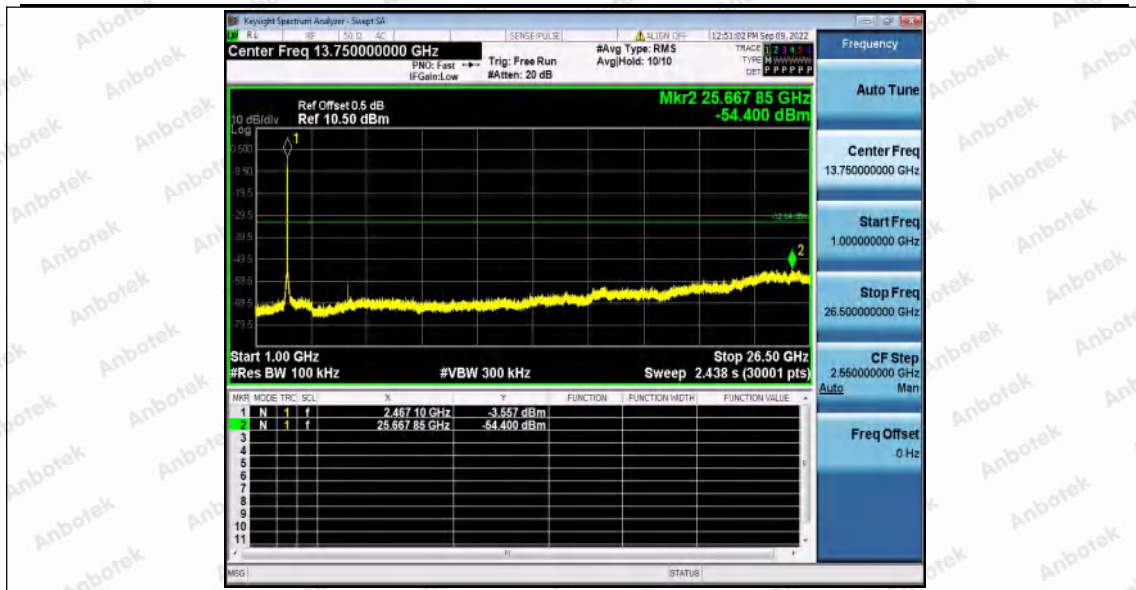
11N20SISO_Ant1_2462_1000~26500

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Appendix G: Duty Cycle

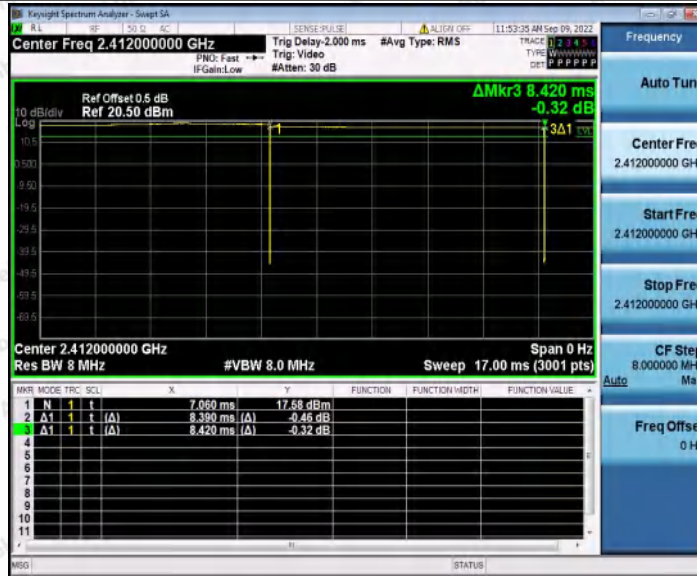
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.39	8.42	99.64	0.02
		2437	8.38	8.41	99.64	0.02
		2462	8.39	8.42	99.64	0.02
11G	Ant1	2412	1.39	1.43	97.20	0.12
		2437	1.39	1.42	97.89	0.09
		2462	1.39	1.43	97.20	0.12
11N20SISO	Ant1	2412	1.30	1.33	97.74	0.10
		2437	1.30	1.34	97.01	0.13
		2462	1.30	1.34	97.01	0.13

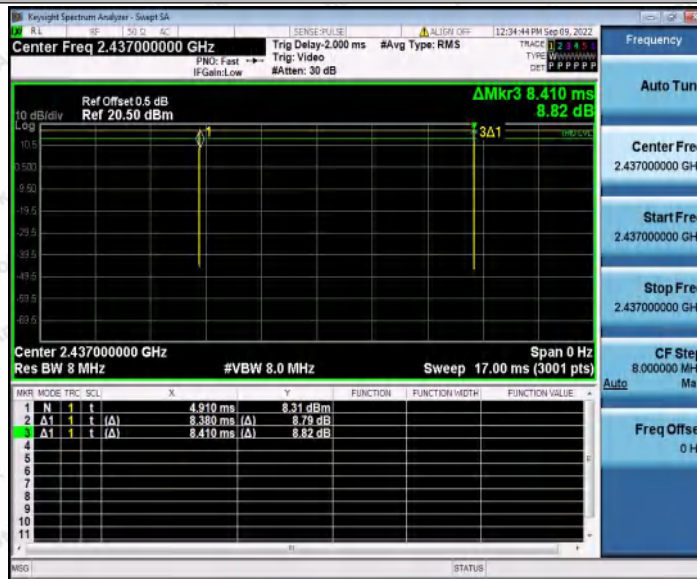


Test Graphs

11B_Ant1_2412

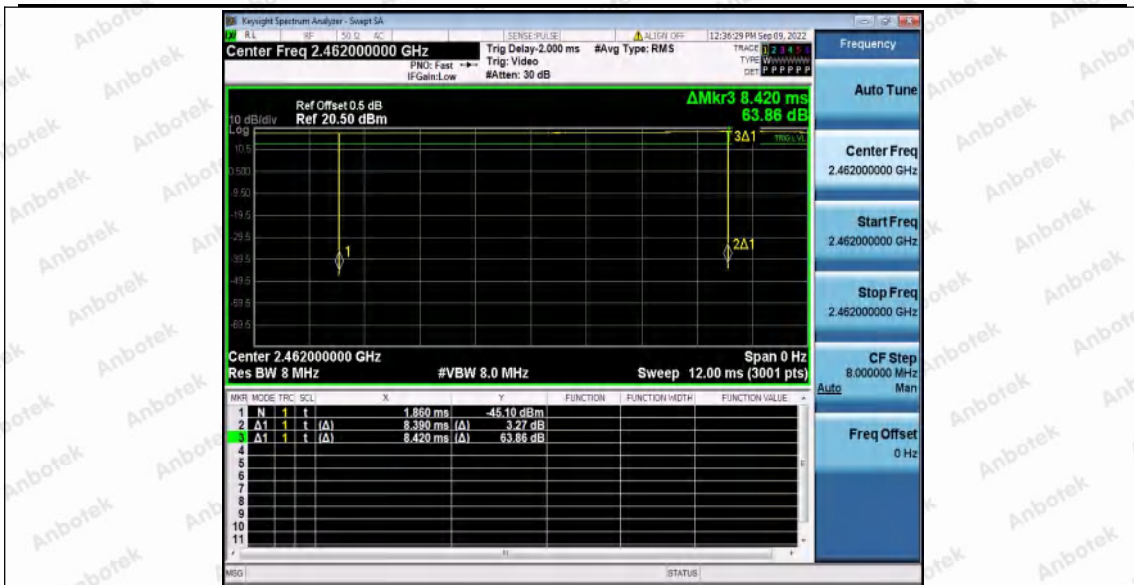


11B_Ant1_2437

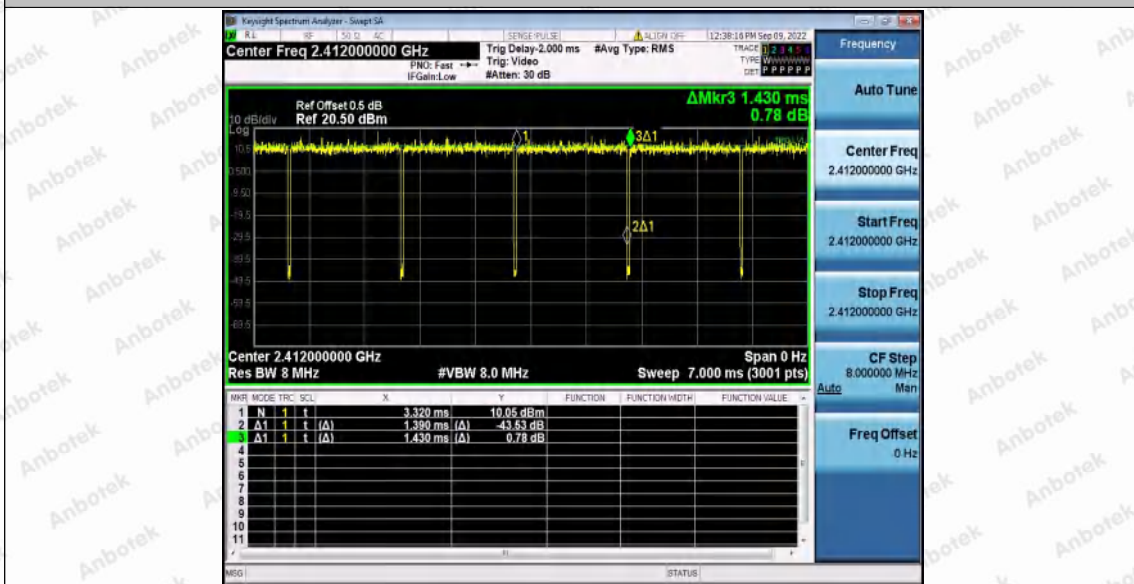


11B_Ant1_2462



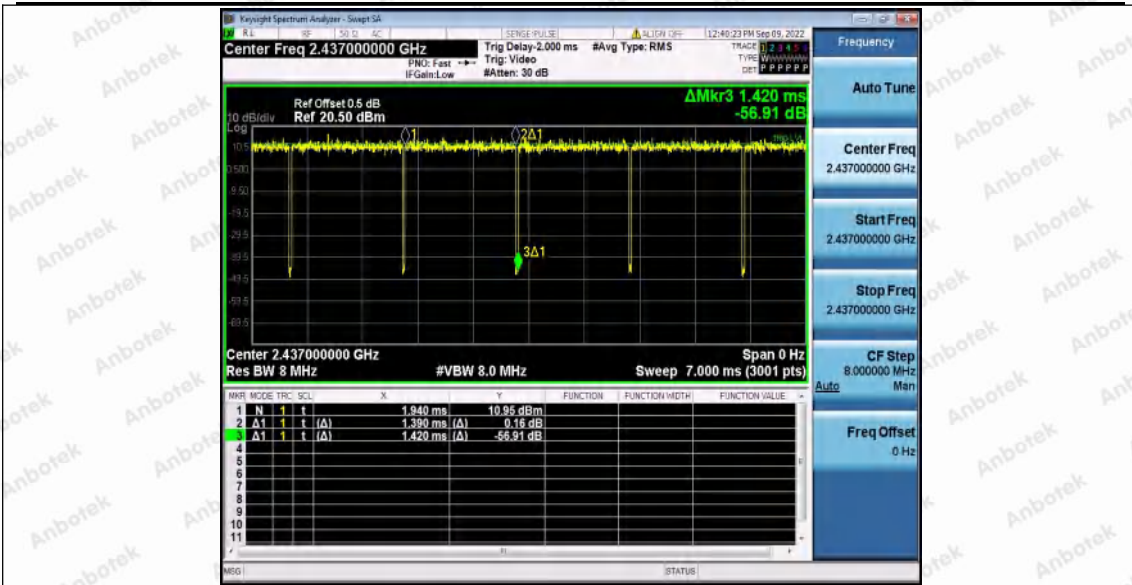


11G_Ant1_2412

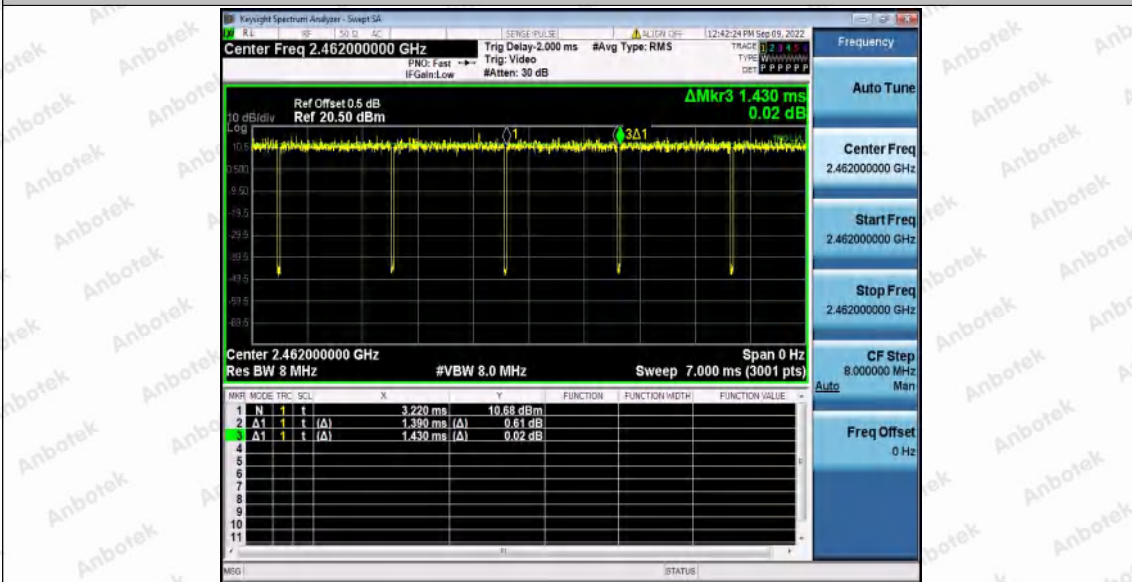


11G_Ant1_2437



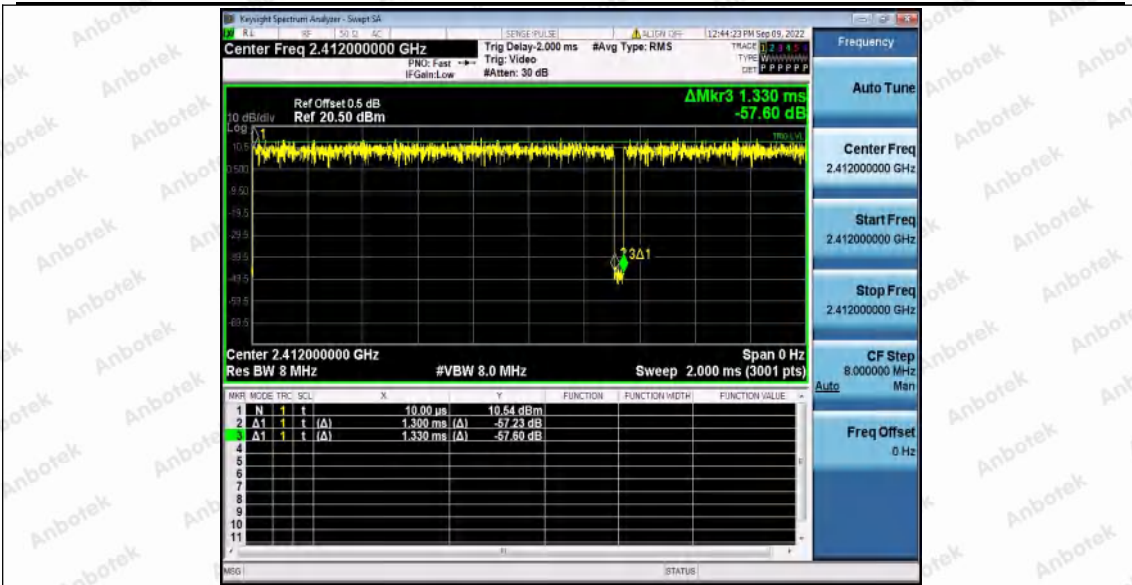


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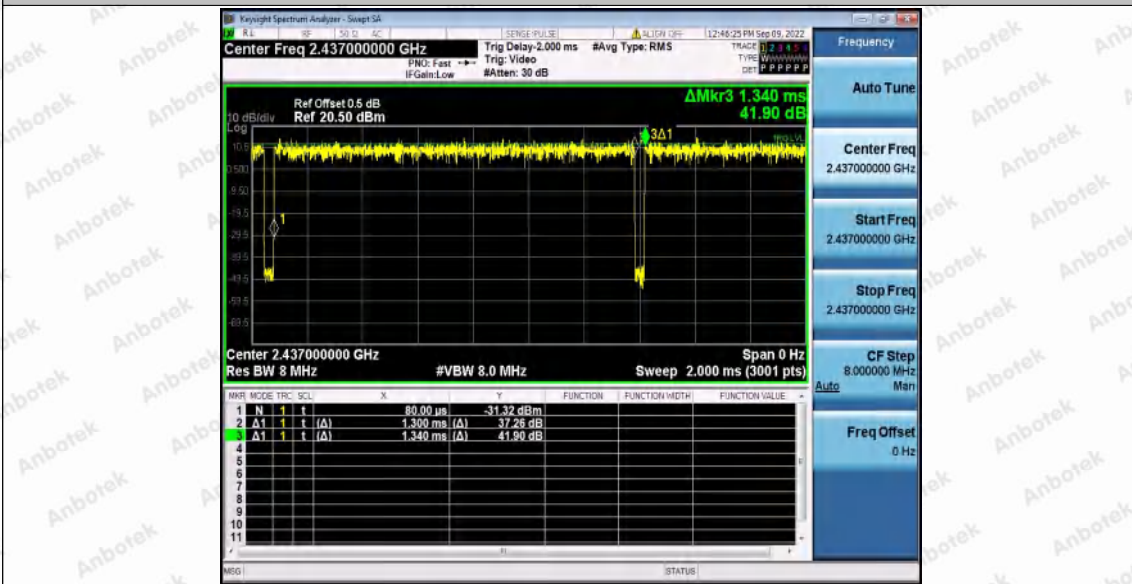


11N20SISO_Ant1_2412





11N20SISO_Ant1_2437



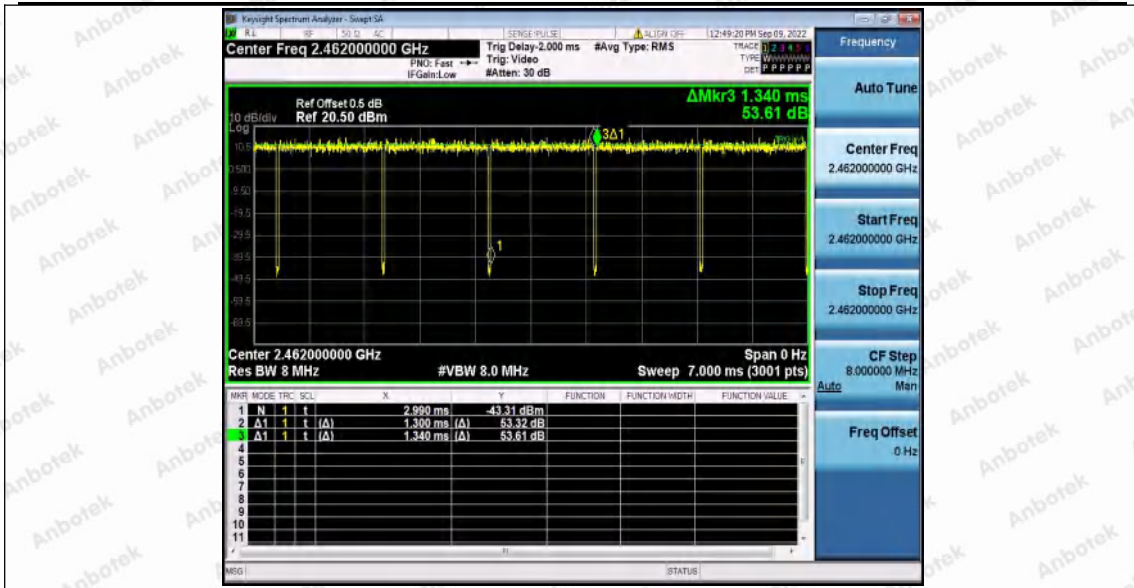
11N20SISO_Ant1_2462

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