

Appendix Test Data

Report No.:	182512C400197101	Test Sample No.:	1-2-2
Start Test Date:	2024.7.3	Finish Test Date:	2024.7.3
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	24.3℃	Relative Humidity:	49%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.040	2407.520	2416.560	0.5	PASS
11B	Ant1	2437	9.040	2432.480	2441.520	0.5	PASS
11B	Ant1	2462	8.600	2457.480	2466.080	0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	0.5	PASS
11G	Ant1	2437	16.360	2428.840	2445.200	0.5	PASS
11G	Ant1	2462	16.400	2453.800	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
11N20SISO	Ant1	2437	17.640	2428.160	2445.800	0.5	PASS
11N20SISO	Ant1	2462	17.600	2453.240	2470.840	0.5	PASS



Test Graphs



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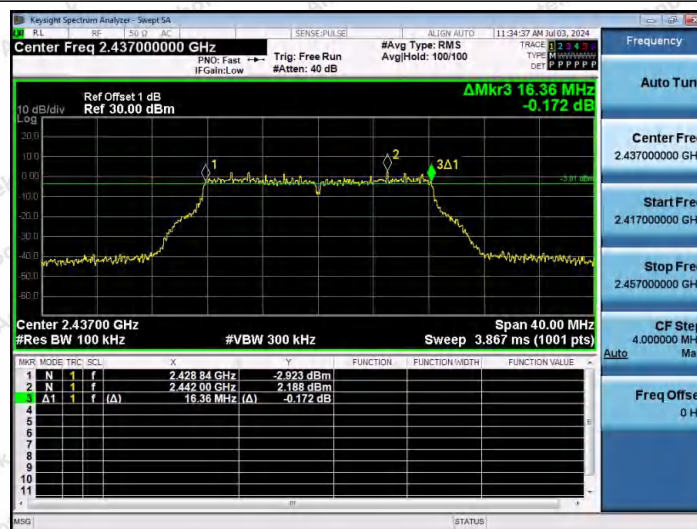


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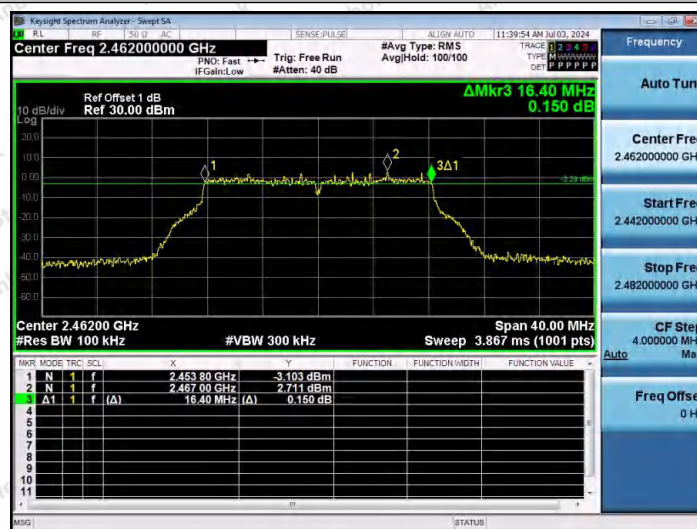




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



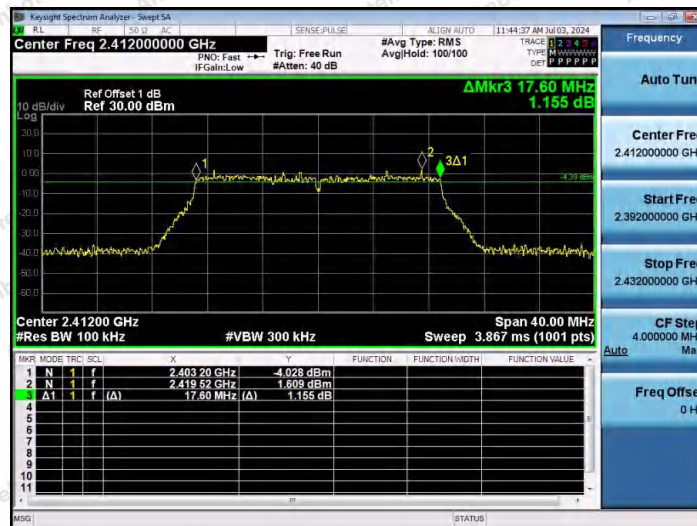
11G-Ant1-2462-PASS

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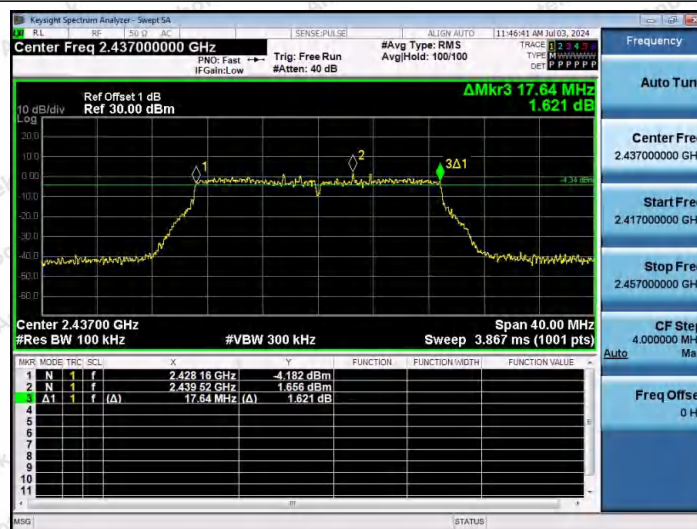
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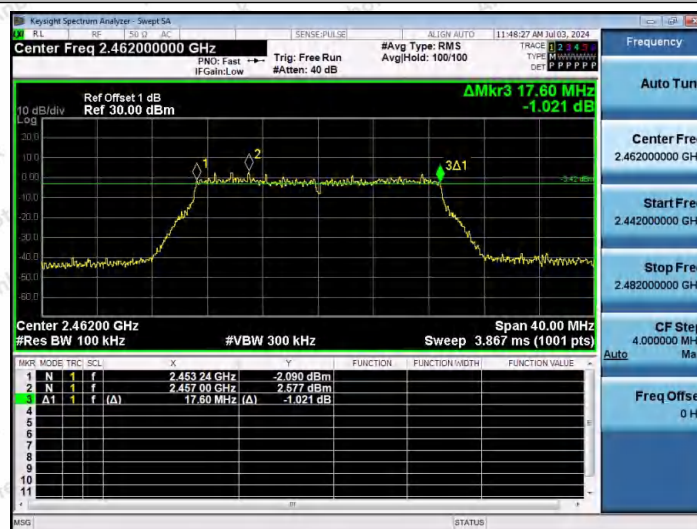




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

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Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.817	2406.1193	2417.9363	---	---
11B	Ant1	2437	11.789	2431.1420	2442.9310	---	---
11B	Ant1	2462	11.722	2456.1791	2467.9011	---	---
11G	Ant1	2412	17.519	2403.2519	2420.7709	---	---
11G	Ant1	2437	17.428	2428.3020	2445.7300	---	---
11G	Ant1	2462	17.501	2453.2799	2470.7809	---	---
11N20SISO	Ant1	2412	18.417	2402.7967	2421.2137	---	---
11N20SISO	Ant1	2437	18.408	2427.8118	2446.2198	---	---
11N20SISO	Ant1	2462	18.296	2452.9004	2471.1964	---	---



Test Graphs



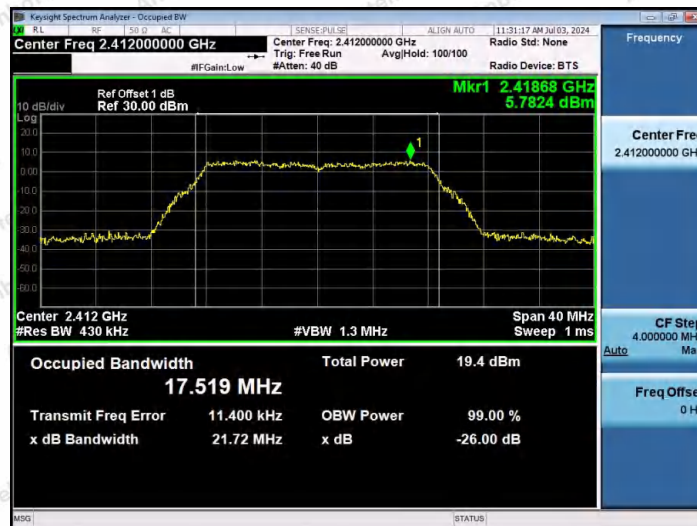
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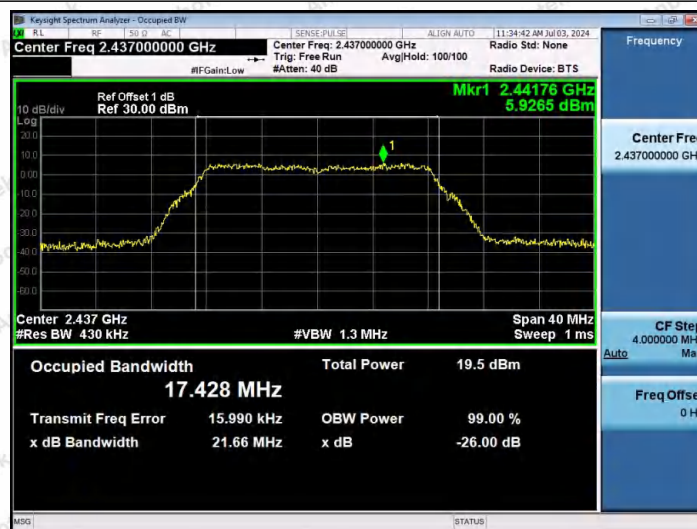


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11G-Ant1-2412



11G-Ant1-2437



11G-Ant1-2462

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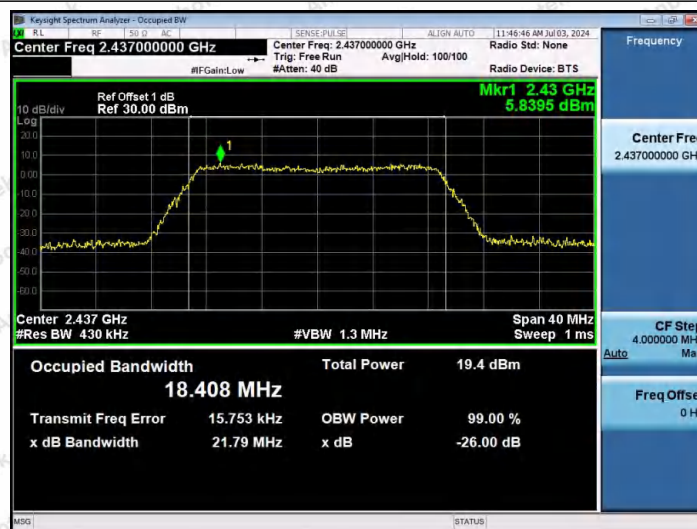


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11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



11N20SISO-Ant1-2462

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Appendix C: Maximum conducted output power

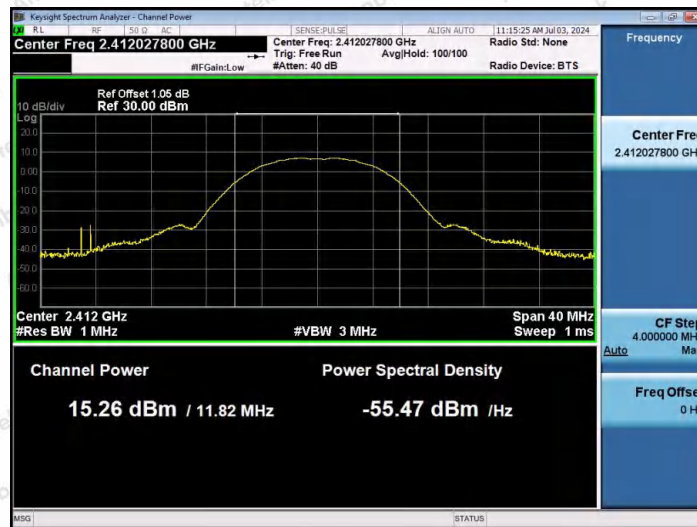
Test Result

TestMode	Antenna	Frequency[MHz]	Average Output Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	15.26	≤30.00
		2437	15.45	≤30.00
		2462	15.53	≤30.00
11G	Ant1	2412	18.07	≤30.00
		2437	18.16	≤30.00
		2462	18.55	≤30.00
11N20SISO	Ant1	2412	17.71	≤30.00
		2437	18.10	≤30.00
		2462	18.61	≤30.00

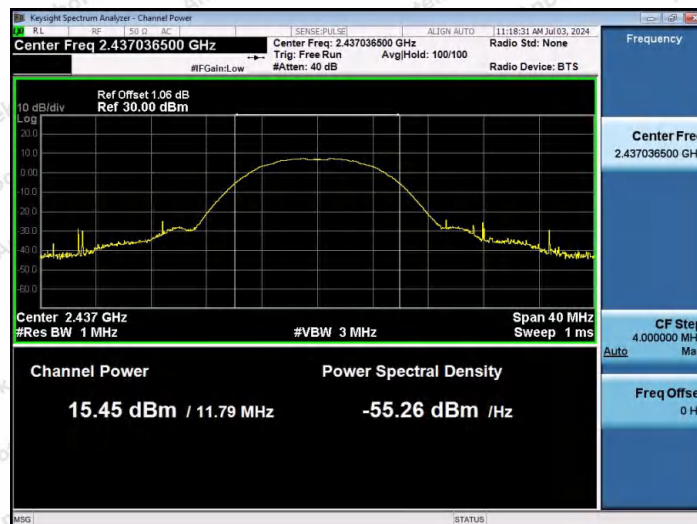
Note: The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.



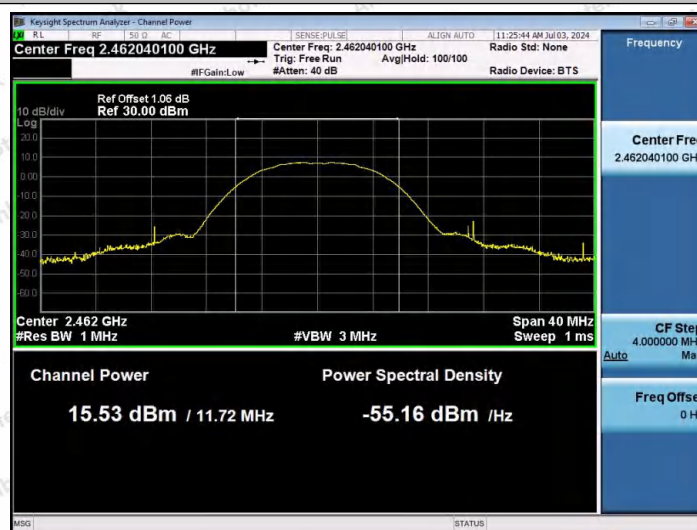
Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



11B-Ant1-2462-PASS

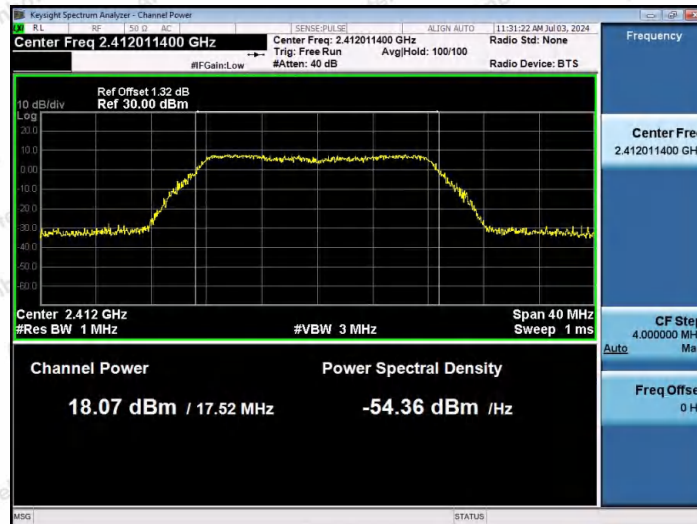
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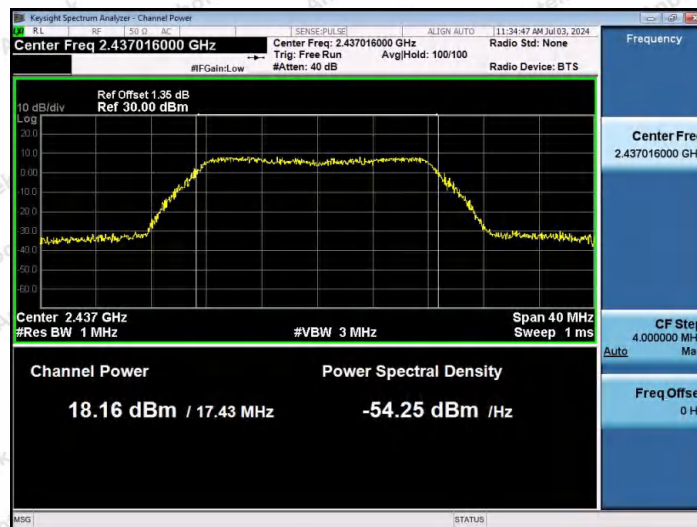


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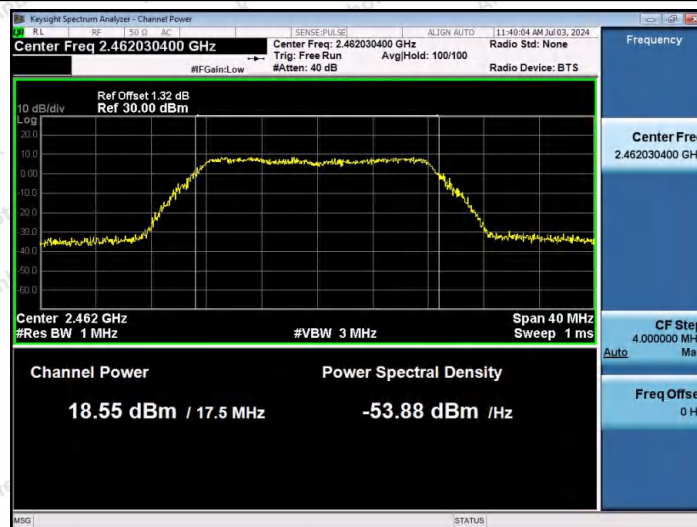




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

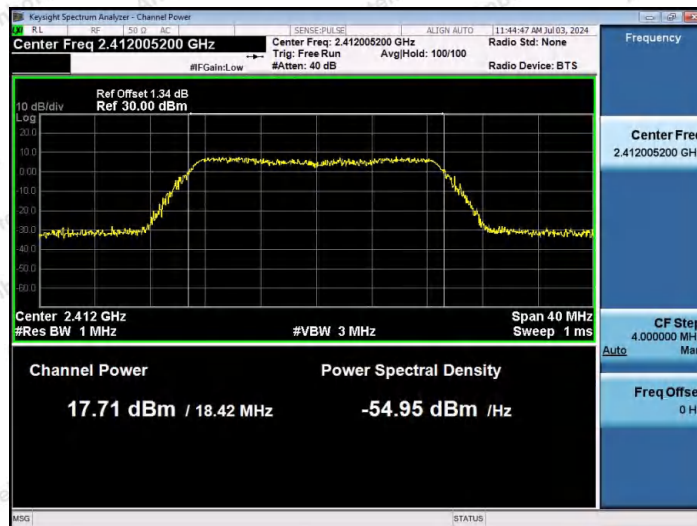
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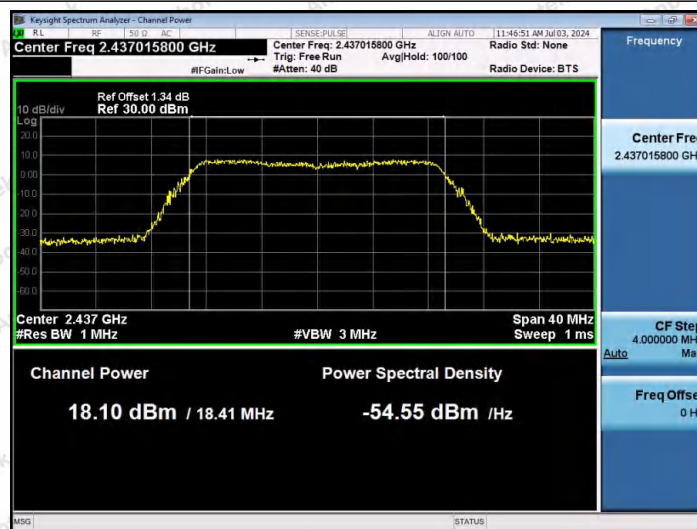


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11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.03	-18.03	≤8.00	PASS
11B	Ant1	2437	-7.24	-17.24	≤8.00	PASS
11B	Ant1	2462	-7.28	-17.28	≤8.00	PASS
11G	Ant1	2412	-10.52	-20.52	≤8.00	PASS
11G	Ant1	2437	-10.34	-20.34	≤8.00	PASS
11G	Ant1	2462	-9.16	-19.16	≤8.00	PASS
11N20SISO	Ant1	2412	-10.76	-20.76	≤8.00	PASS
11N20SISO	Ant1	2437	-10.77	-20.77	≤8.00	PASS
11N20SISO	Ant1	2462	-10.52	-20.52	≤8.00	PASS

Note:

1. The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.
2. $\text{PSD(dBm/3kHz)} = \text{PSD(dBm/30kHz)} - (10 \cdot \log(30/3))$



Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



11B-Ant1-2462-PASS

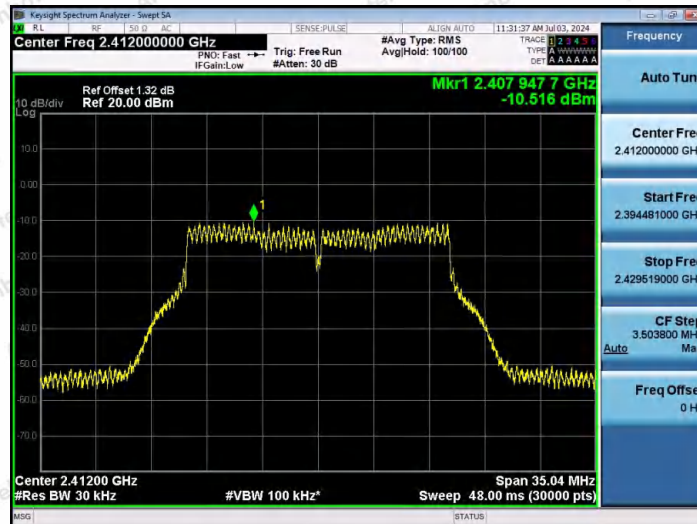
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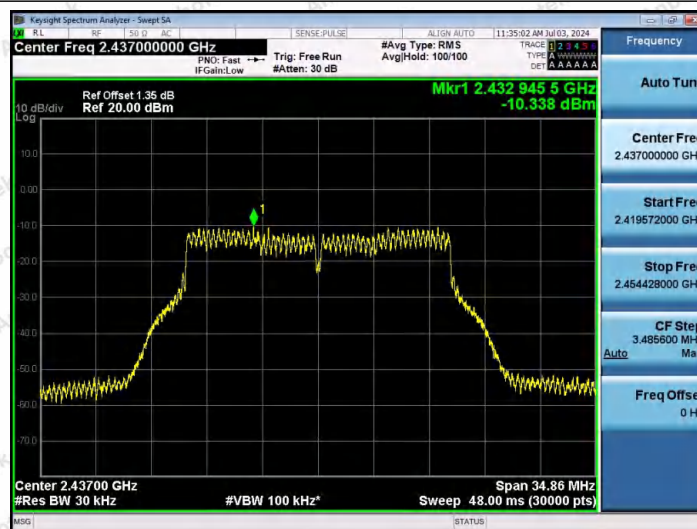


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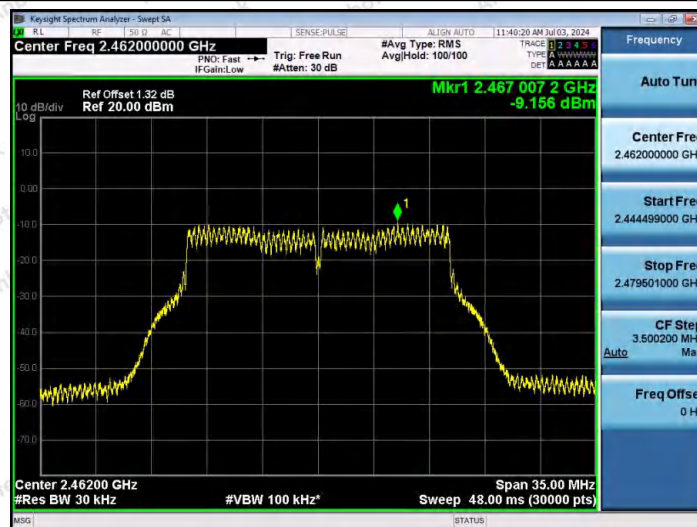




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

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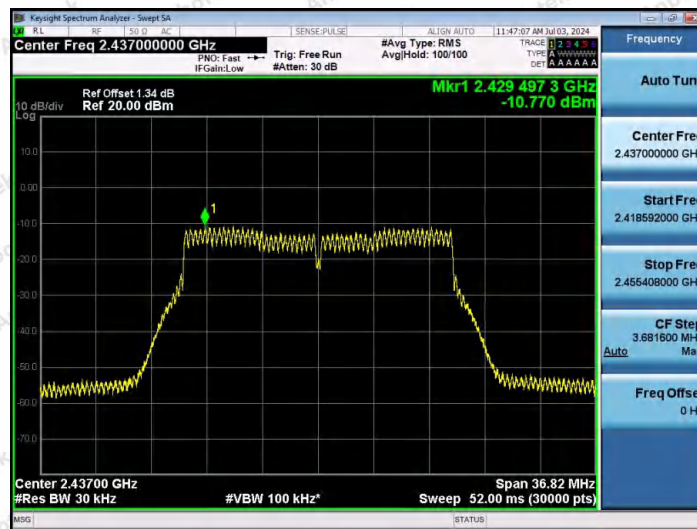


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11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

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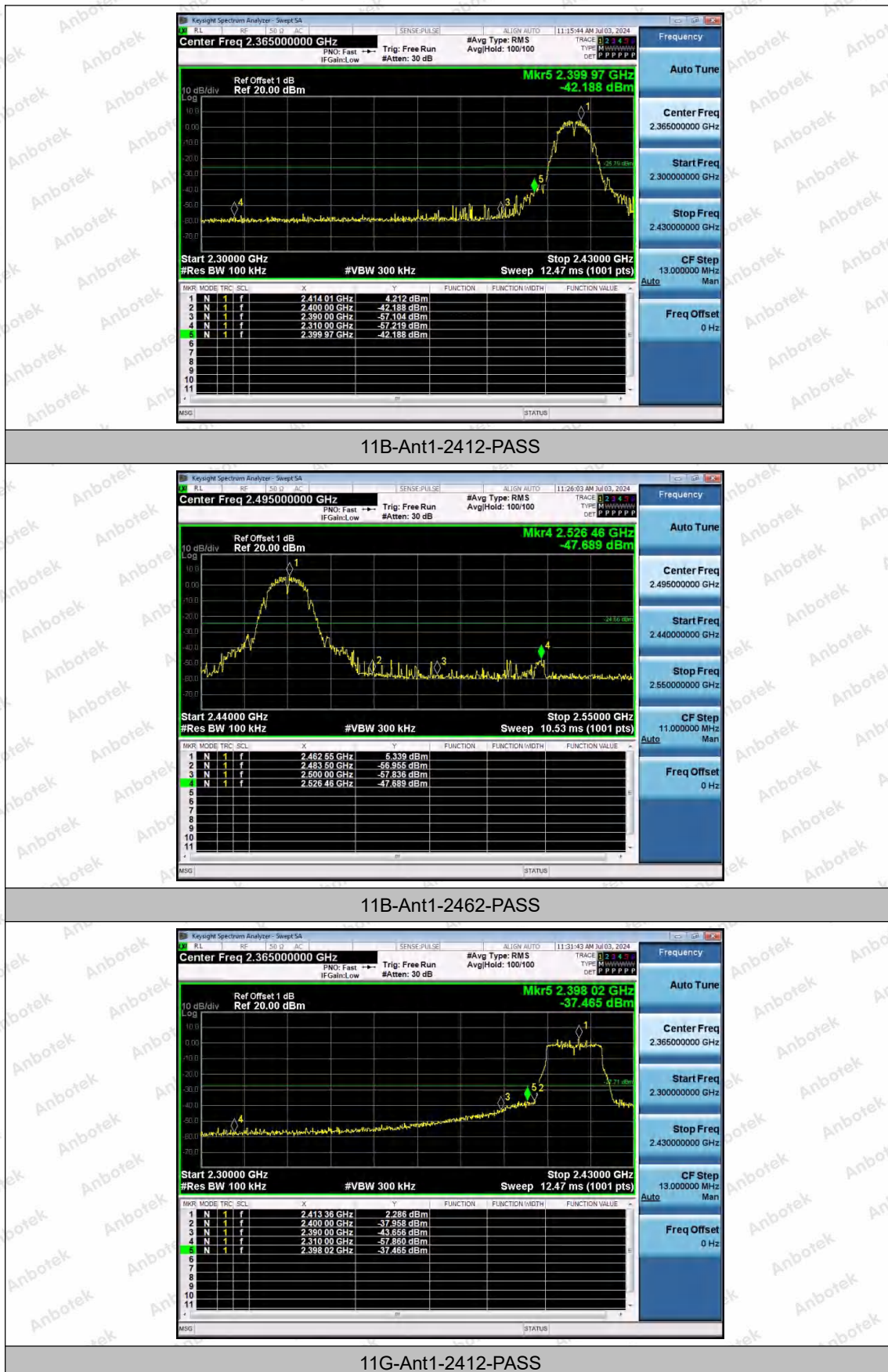
Appendix E: Conducted Band edge

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.21	-42.19	≤-25.79	PASS
11B	Ant1	High	2462	5.34	-47.69	≤-24.66	PASS
11G	Ant1	Low	2412	2.29	-37.47	≤-27.71	PASS
11G	Ant1	High	2462	2.78	-43.04	≤-27.22	PASS
11N20SISO	Ant1	Low	2412	2.31	-35.66	≤-27.7	PASS
11N20SISO	Ant1	High	2462	2.60	-41.25	≤-27.4	PASS



Test Graphs



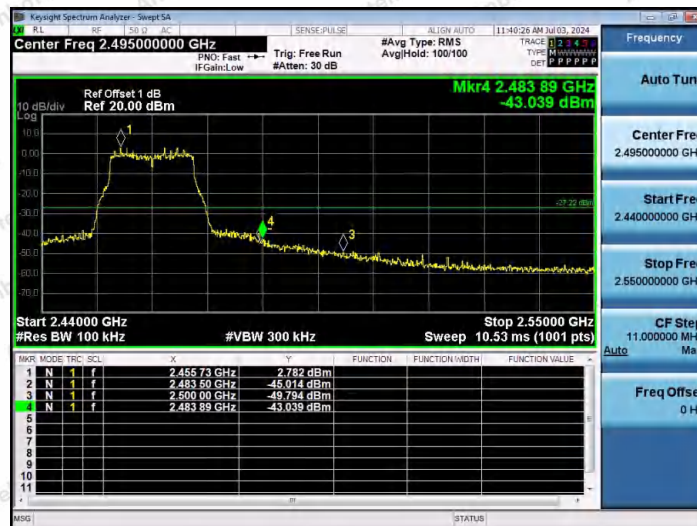
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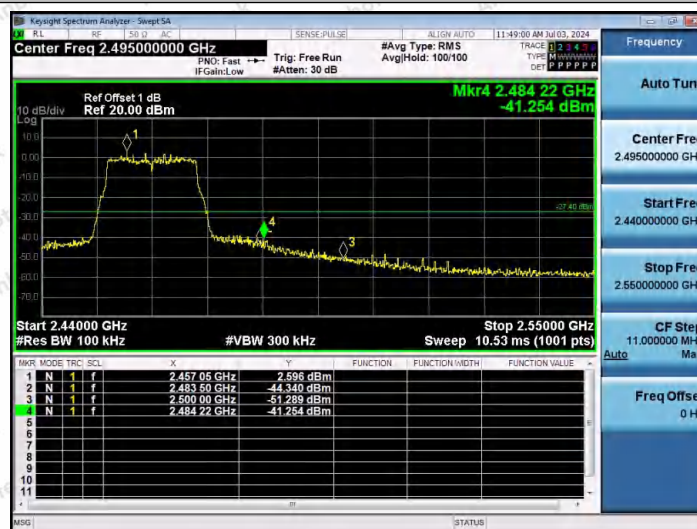




11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

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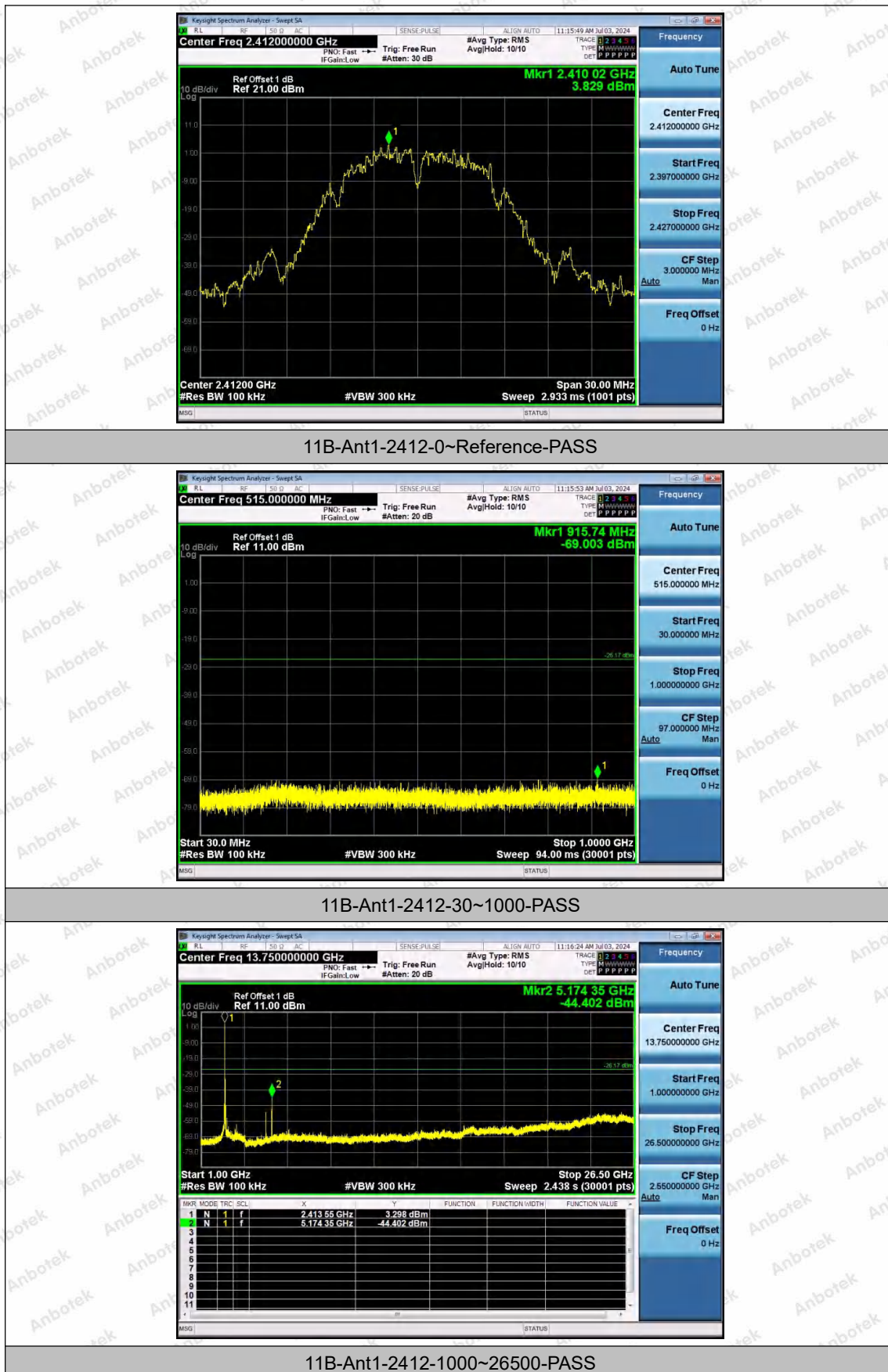
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	3.83	3.83	---	PASS
11B	Ant1	2412	30~1000	3.83	-69	≤-26.17	PASS
11B	Ant1	2412	1000~26500	3.83	-44.4	≤-26.17	PASS
11B	Ant1	2437	0~Reference	2.55	2.55	---	PASS
11B	Ant1	2437	30~1000	2.55	-68.95	≤-27.45	PASS
11B	Ant1	2437	1000~26500	2.55	-51.57	≤-27.45	PASS
11B	Ant1	2462	0~Reference	3.09	3.09	---	PASS
11B	Ant1	2462	30~1000	3.09	-68.08	≤-26.91	PASS
11B	Ant1	2462	1000~26500	3.09	-47.63	≤-26.91	PASS
11G	Ant1	2412	0~Reference	-0.90	-0.90	---	PASS
11G	Ant1	2412	30~1000	-0.90	-69.02	≤-30.9	PASS
11G	Ant1	2412	1000~26500	-0.90	-53.56	≤-30.9	PASS
11G	Ant1	2437	0~Reference	0.31	0.31	---	PASS
11G	Ant1	2437	30~1000	0.31	-68.86	≤-29.69	PASS
11G	Ant1	2437	1000~26500	0.31	-51.29	≤-29.69	PASS
11G	Ant1	2462	0~Reference	2.21	2.21	---	PASS
11G	Ant1	2462	30~1000	2.21	-68.82	≤-27.79	PASS
11G	Ant1	2462	1000~26500	2.21	-54.16	≤-27.79	PASS
11N20SISO	Ant1	2412	0~Reference	-0.41	-0.41	---	PASS
11N20SISO	Ant1	2412	30~1000	-0.41	-69.2	≤-30.41	PASS
11N20SISO	Ant1	2412	1000~26500	-0.41	-53.79	≤-30.41	PASS
11N20SISO	Ant1	2437	0~Reference	0.01	0.01	---	PASS
11N20SISO	Ant1	2437	30~1000	0.01	-68.92	≤-29.99	PASS
11N20SISO	Ant1	2437	1000~26500	0.01	-44.29	≤-29.99	PASS
11N20SISO	Ant1	2462	0~Reference	3.62	3.62	---	PASS
11N20SISO	Ant1	2462	30~1000	3.62	-68.63	≤-26.38	PASS
11N20SISO	Ant1	2462	1000~26500	3.62	-53.9	≤-26.38	PASS



Test Graphs



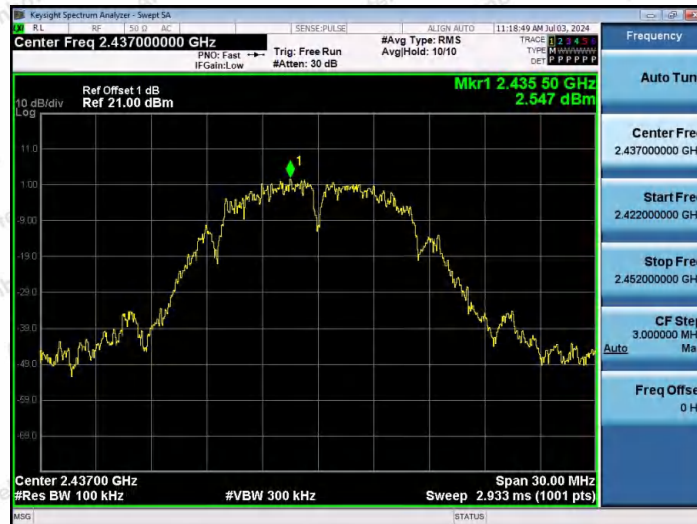
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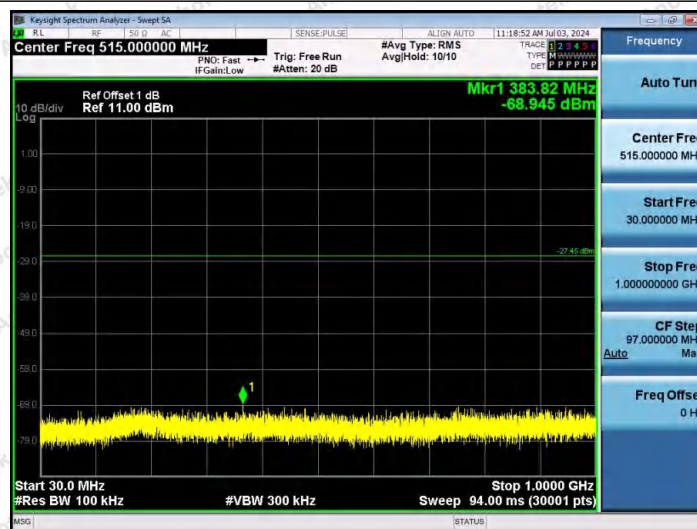


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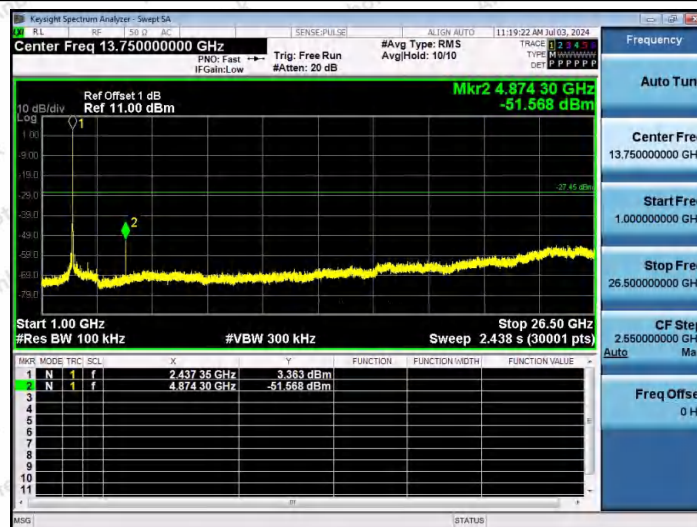




11B-Ant1-2437-0~Reference-PASS



11B-Ant1-2437-30~1000-PASS



11B-Ant1-2437-1000~26500-PASS

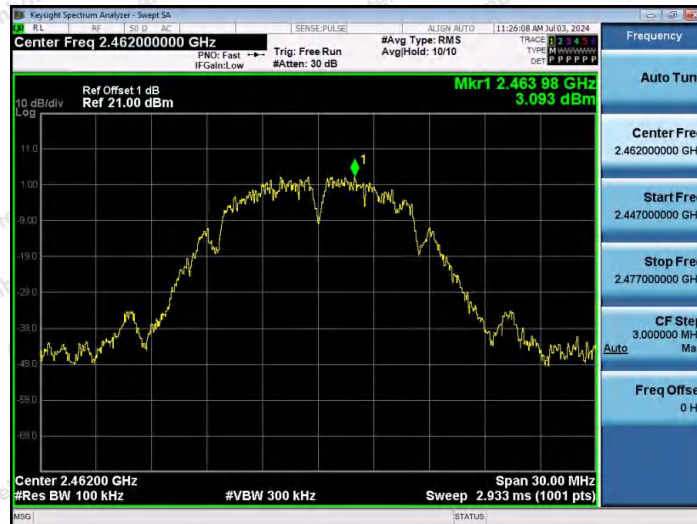
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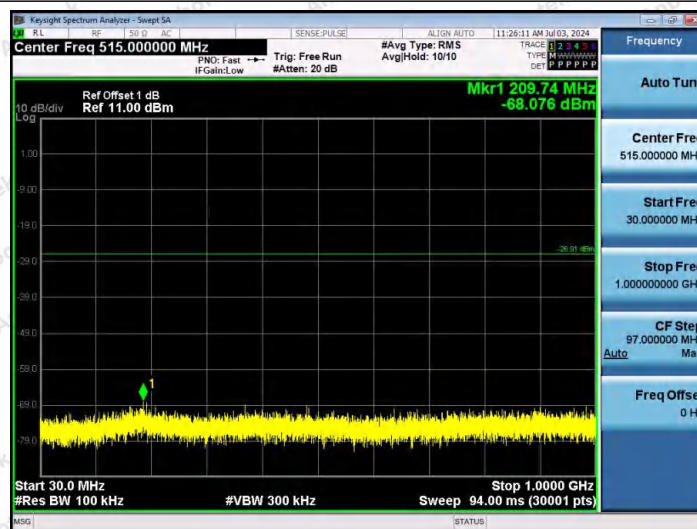


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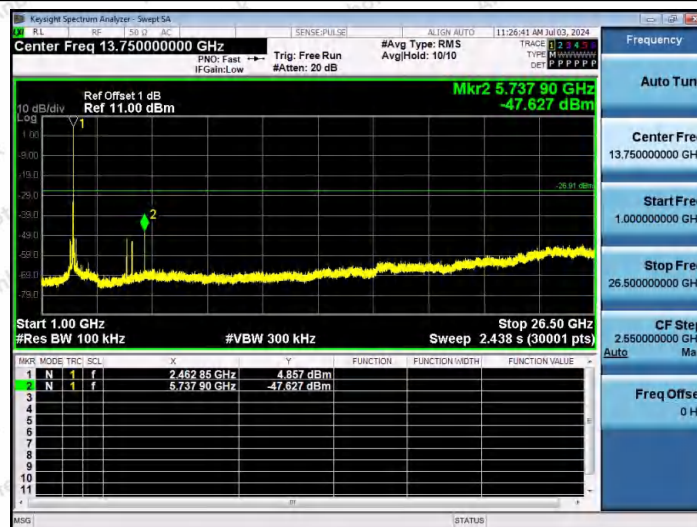




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11B-Ant1-2462-30~1000-PASS



11B-Ant1-2462-1000~26500-PASS

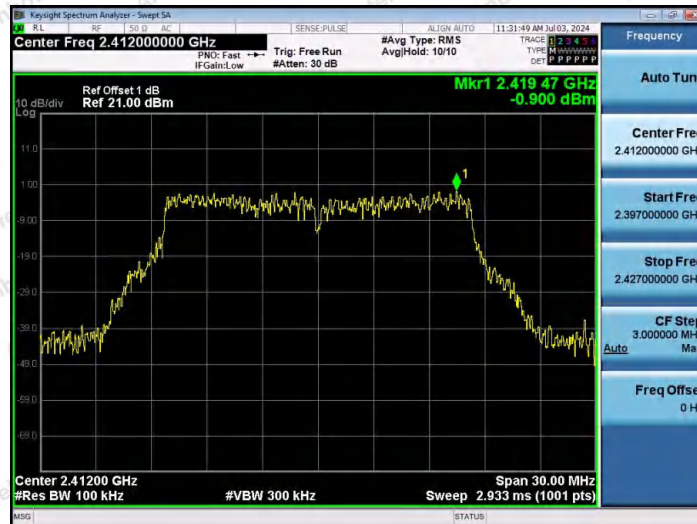
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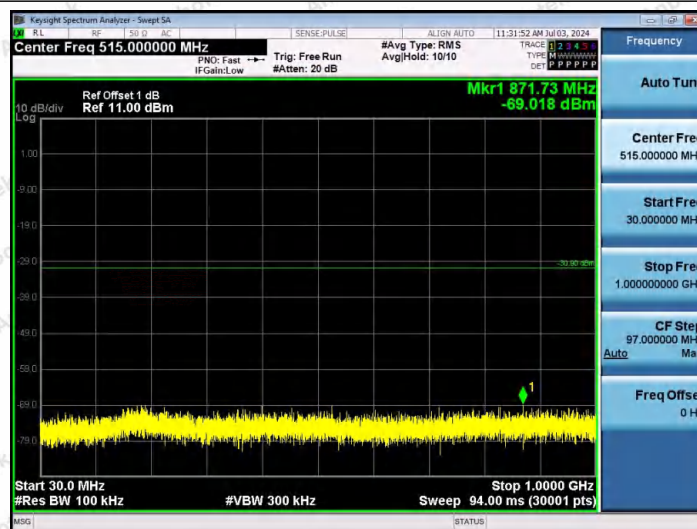


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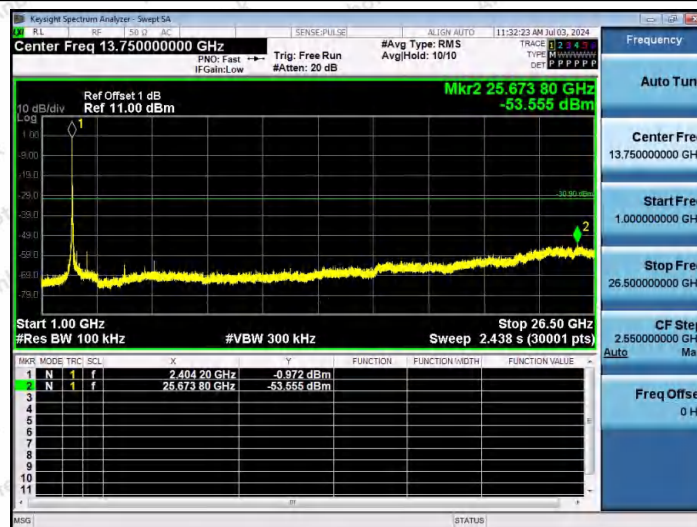




11G-Ant1-2412-0~Reference-PASS



11G-Ant1-2412-30~1000-PASS



11G-Ant1-2412-1000~26500-PASS

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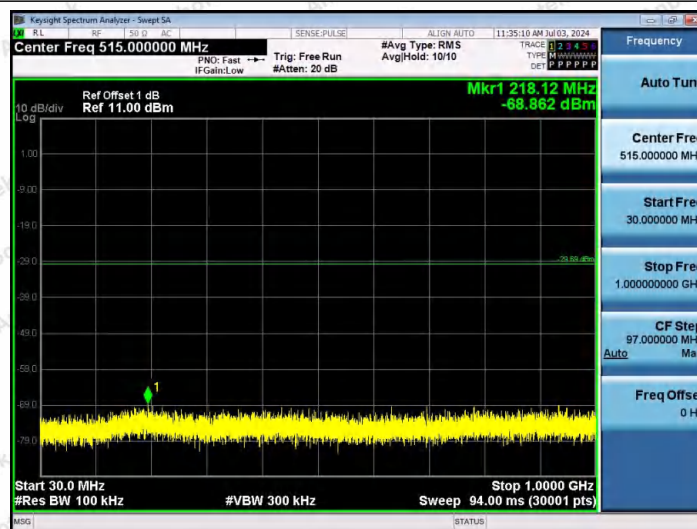


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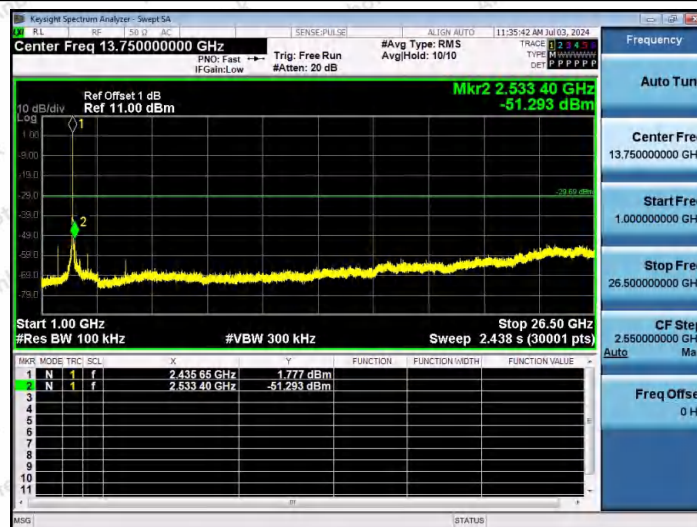




11G-Ant1-2437-0~Reference-PASS



11G-Ant1-2437-30~1000-PASS



11G-Ant1-2437-1000~26500-PASS

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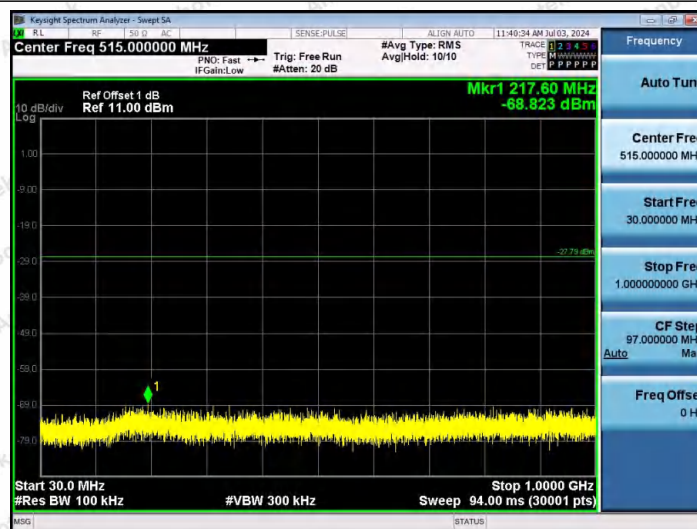


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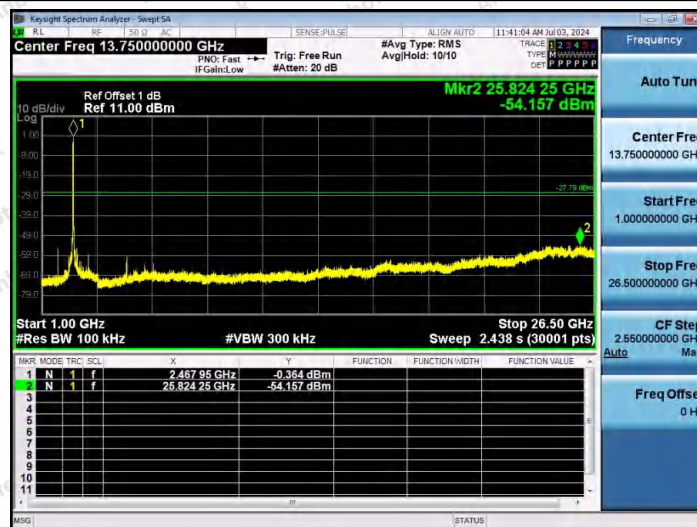




11G-Ant1-2462-0~Reference-PASS



11G-Ant1-2462-30~1000-PASS



11G-Ant1-2462-1000~26500-PASS

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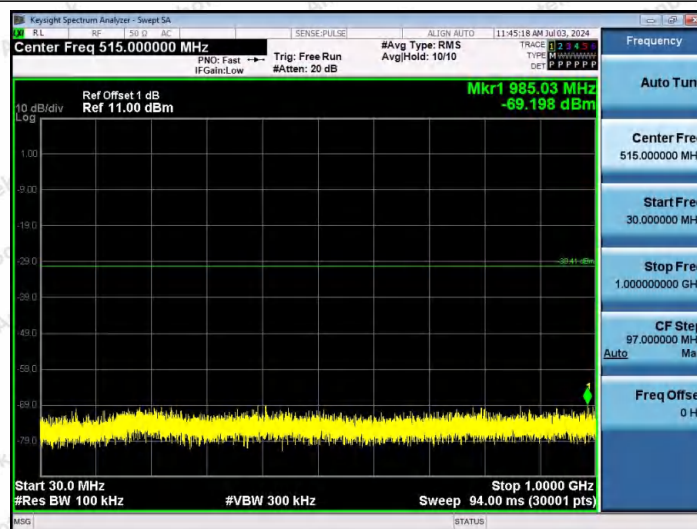


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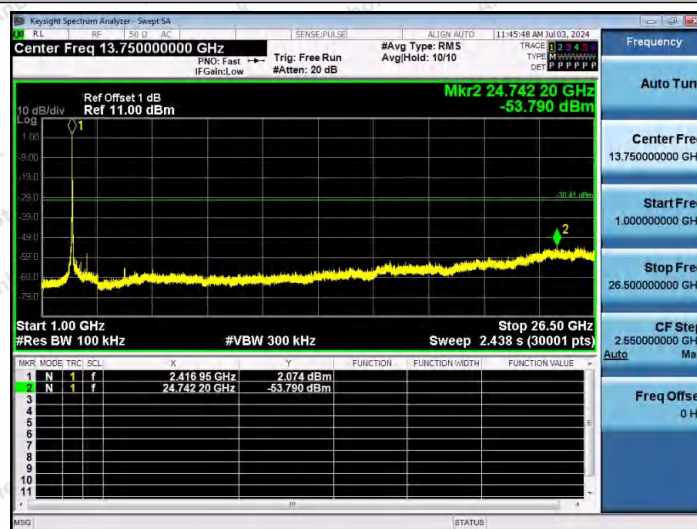




11N20SISO-Ant1-2412-0~Reference-PASS



11N20SISO-Ant1-2412-30~1000-PASS



11N20SISO-Ant1-2412-1000~26500-PASS

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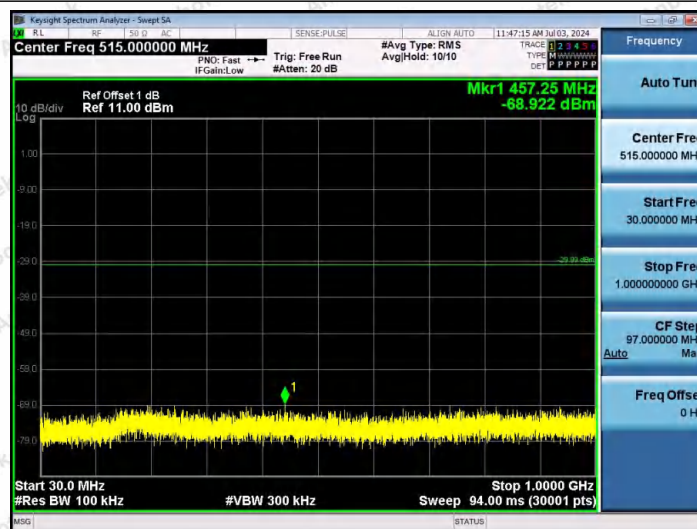


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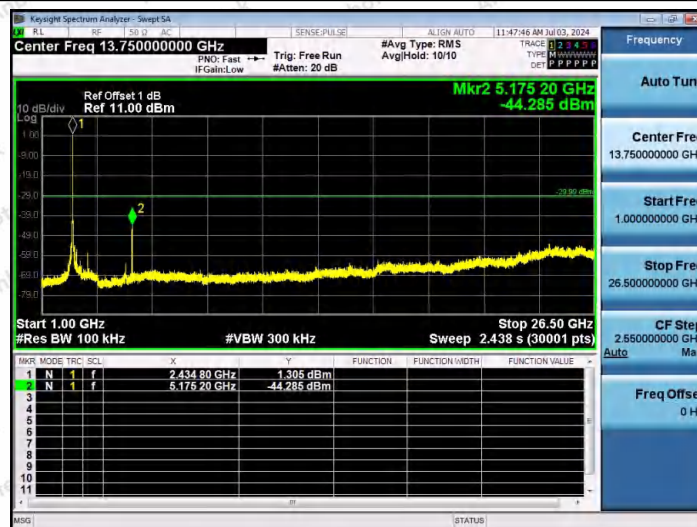




11N20SISO-Ant1-2437-0~Reference-PASS



11N20SISO-Ant1-2437-30~1000-PASS



11N20SISO-Ant1-2437-1000~26500-PASS

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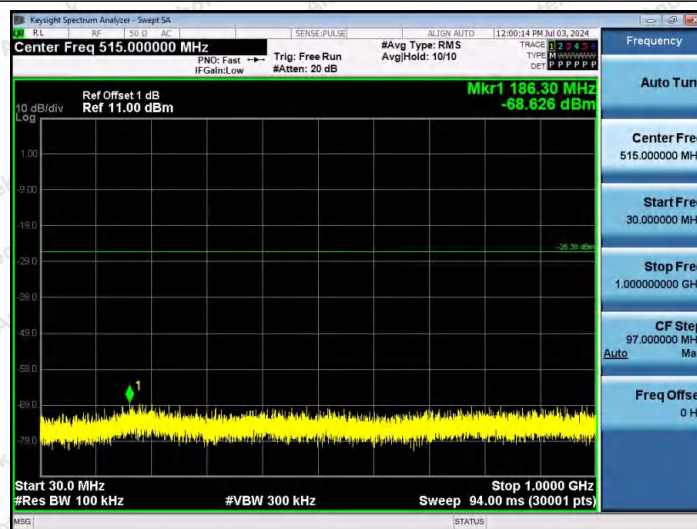


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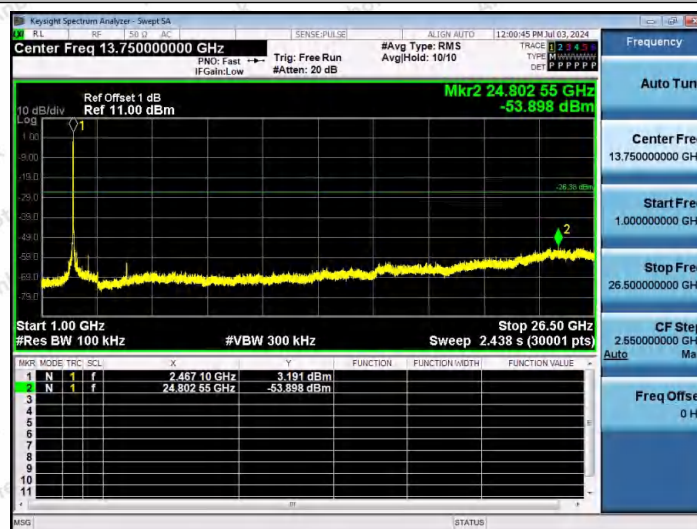




11N20SISO-Ant1-2462-0~Reference-PASS



11N20SISO-Ant1-2462-30~1000-PASS



11N20SISO-Ant1-2462-1000~26500-PASS

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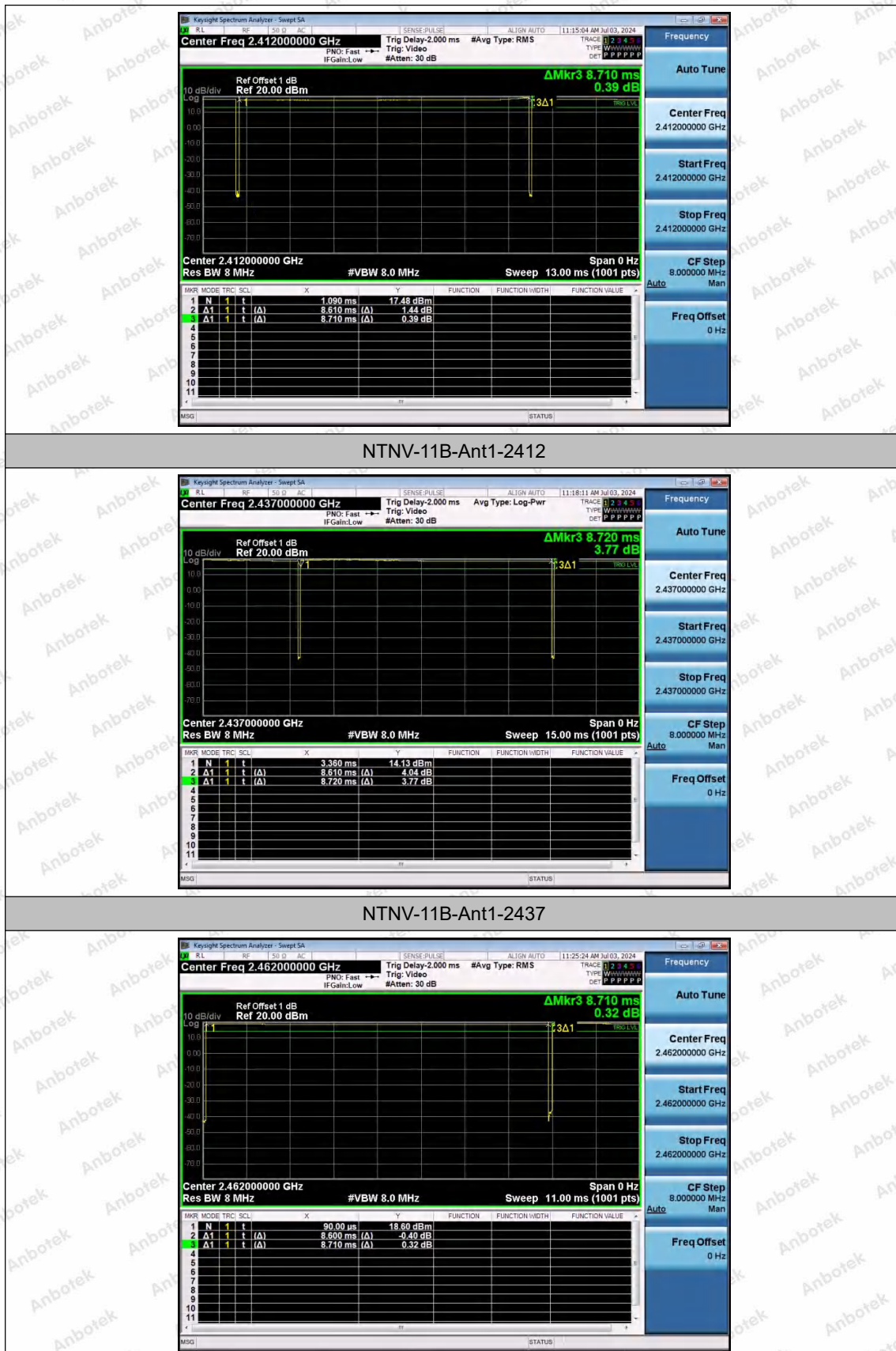
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.61	8.71	98.85	0.05
11B	Ant1	2437	8.61	8.72	98.74	0.06
11B	Ant1	2462	8.60	8.71	98.74	0.06
11G	Ant1	2412	1.43	1.54	92.86	0.32
11G	Ant1	2437	1.42	1.54	92.21	0.35
11G	Ant1	2462	1.43	1.54	92.86	0.32
11N20SISO	Ant1	2412	1.34	1.45	92.41	0.34
11N20SISO	Ant1	2437	1.34	1.45	92.41	0.34
11N20SISO	Ant1	2462	1.34	1.45	92.41	0.34



Test Graphs



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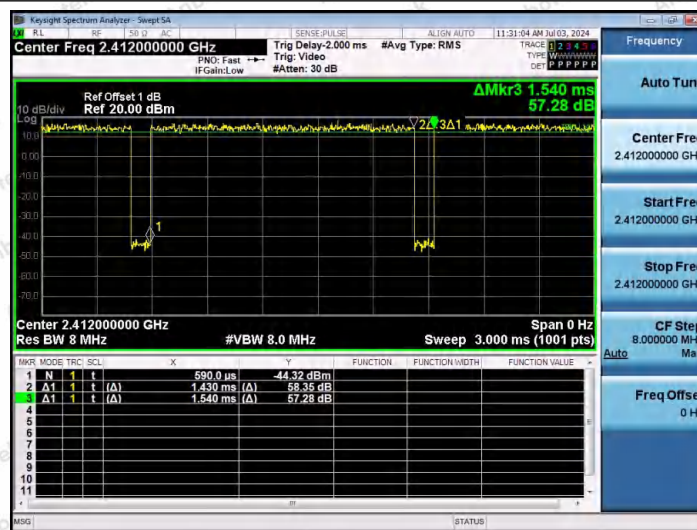
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



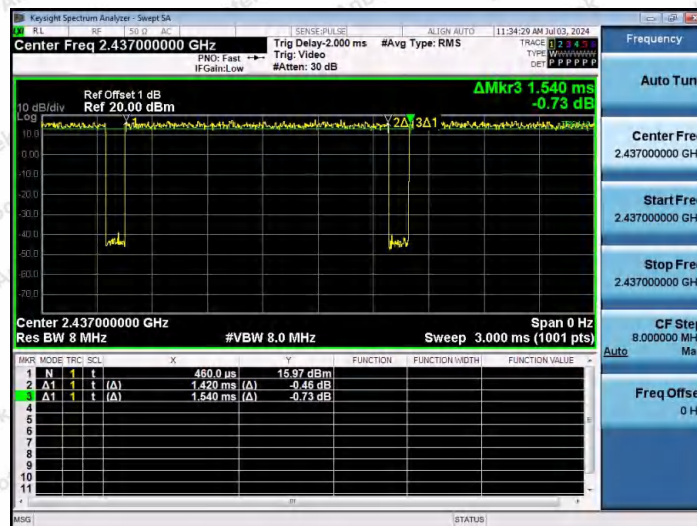
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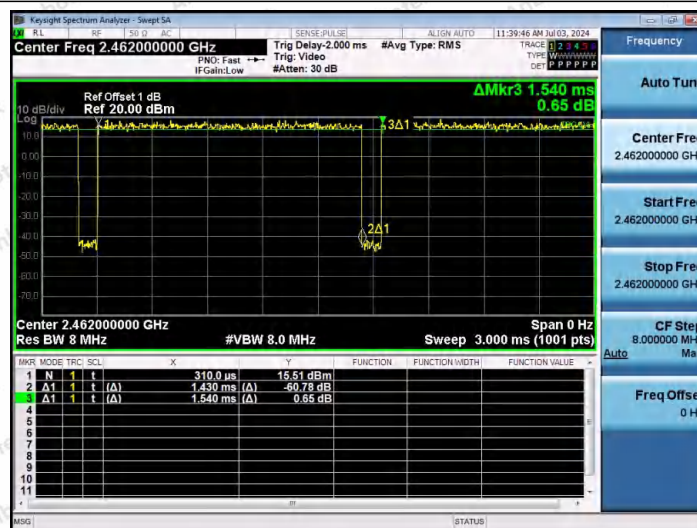
NTNV-11B-Ant1-2462



NTNV-11G-Ant1-2412



NTNV-11G-Ant1-2437



NTNV-11G-Ant1-2462

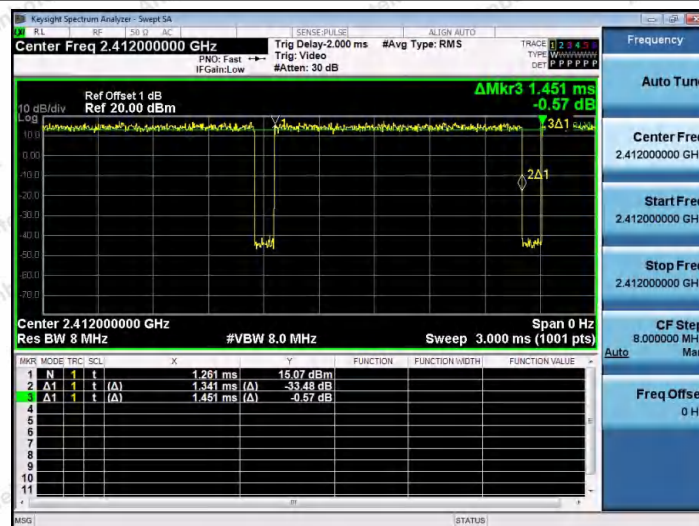
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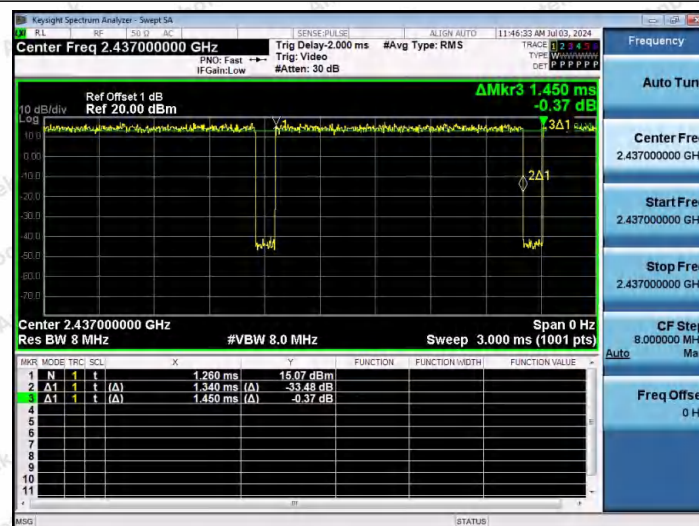


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NTNV-11N20SISO-Ant1-2412



NTNV-11N20SISO-Ant1-2437



NTNV-11N20SISO-Ant1-2462

---End---

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