

Appendix Test Data

Report No.:	1812C40057112501	Test Sample No.:	1-2-2
Start Test Date:	2024.09.10	Finish Test Date:	2024.09.29
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	22.3℃	Relative Humidity:	53%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.393	2405.3415	2418.7345	---	---
11B	Ant1	2437	13.348	2430.3624	2443.7104	---	---
11B	Ant1	2462	13.357	2455.3668	2468.7238	---	---
11G	Ant1	2412	16.752	2403.6165	2420.3685	---	---
11G	Ant1	2437	16.763	2428.6271	2445.3901	---	---
11G	Ant1	2462	16.711	2453.6581	2470.3691	---	---
11N20SISO	Ant1	2412	17.648	2403.2065	2420.8545	---	---
11N20SISO	Ant1	2437	17.633	2428.2017	2445.8347	---	---
11N20SISO	Ant1	2462	17.589	2453.2293	2470.8183	---	---



Test Graphs



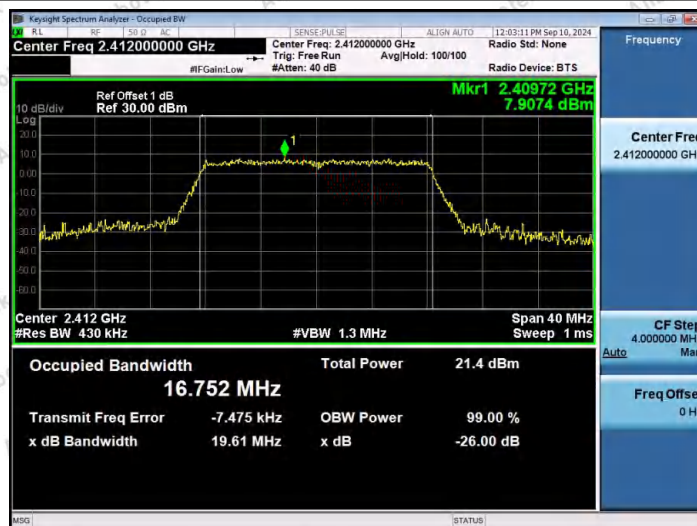
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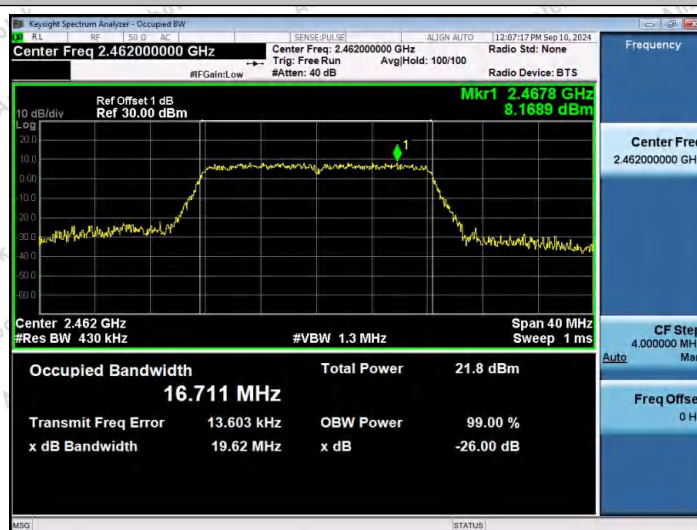




11G-Ant1-2412



11G-Ant1-2437



11G-Ant1-2462





11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



11N20SISO-Ant1-2462

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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	13.507	2405.2785	2418.7855	---	---
11B	Ant1	2437	13.405	2430.3273	2443.7323	---	---
11B	Ant1	2462	13.357	2455.3399	2468.6969	---	---
11G	Ant1	2412	16.682	2403.6745	2420.3565	---	---
11G	Ant1	2437	16.754	2428.6285	2445.3825	---	---
11G	Ant1	2462	16.753	2453.6398	2470.3928	---	---
11N20SISO	Ant1	2412	17.705	2403.2020	2420.9070	---	---
11N20SISO	Ant1	2437	17.656	2428.2205	2445.8765	---	---
11N20SISO	Ant1	2462	17.696	2453.1774	2470.8734	---	---



Test Graphs



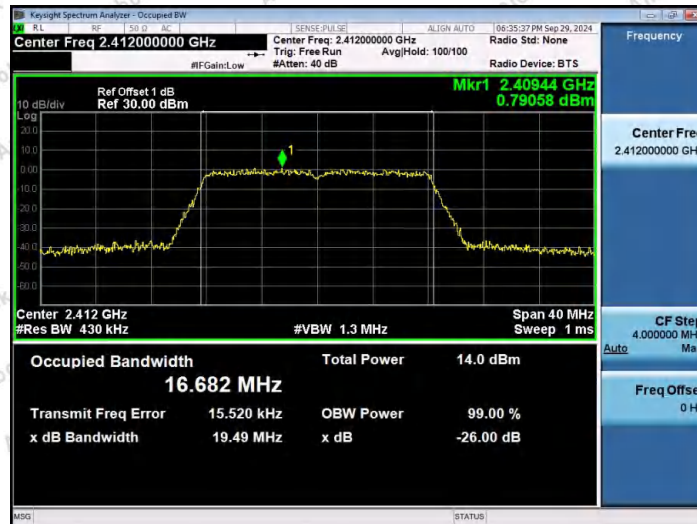
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11G-Ant1-2412

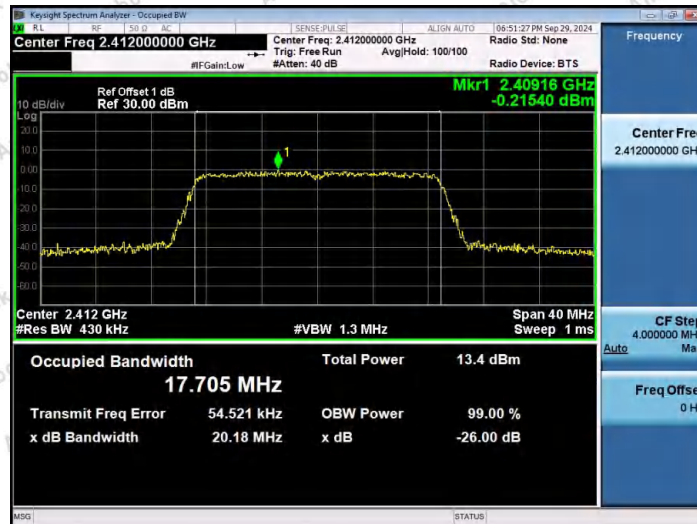


11G-Ant1-2437

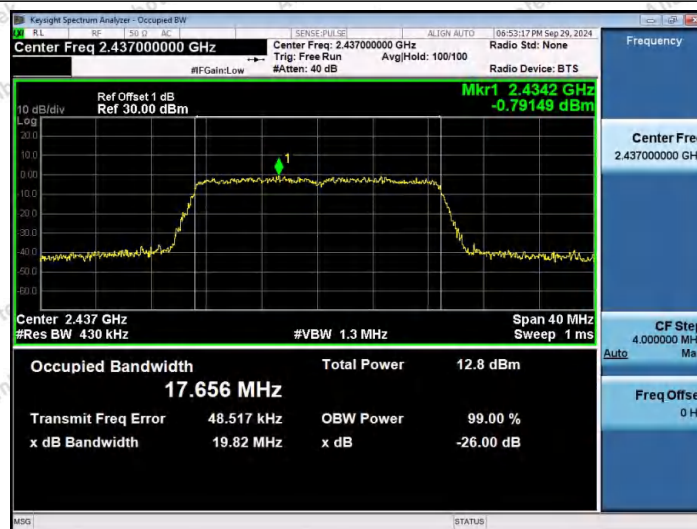


11G-Ant1-2462

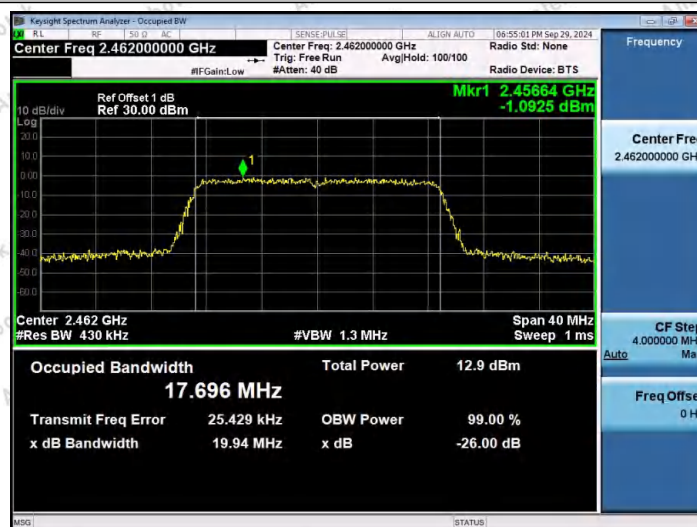




11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



11N20SISO-Ant1-2462

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Appendix C: Maximum conducted output power

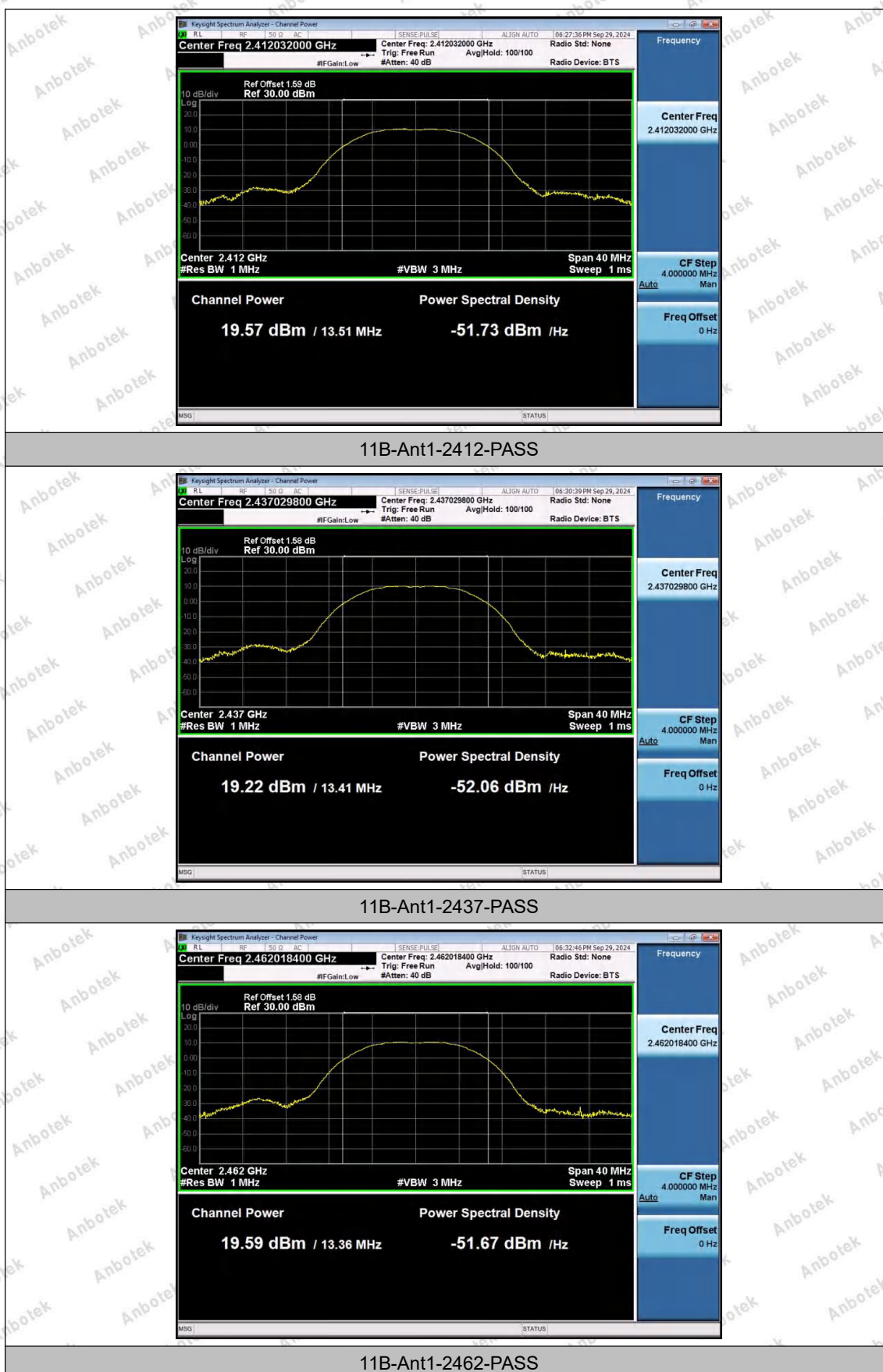
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm] (RB W=1MHz)	Duty Cycle [%]	DC Factor [dB]	Result [dBm]R BW=1MHz	Result [dBm]RB W=430kHz	Limit [dBm]	Verdict
11B	Ant1	2412	18.98	87.35	0.59	19.57	15.90	≤30.00	PASS
11B	Ant1	2437	18.64	87.43	0.58	19.22	15.55	≤30.00	PASS
11B	Ant1	2462	19.01	87.54	0.58	19.59	15.92	≤30.00	PASS
11G	Ant1	2412	12.34	53.31	2.73	15.07	11.40	≤30.00	PASS
11G	Ant1	2437	12.24	53.75	2.70	14.94	11.27	≤30.00	PASS
11G	Ant1	2462	12.52	53.54	2.71	15.23	11.56	≤30.00	PASS
11N20SISO	Ant1	2412	11.85	51.43	2.89	14.74	11.07	≤30.00	PASS
11N20SISO	Ant1	2437	11.40	51.84	2.85	14.25	10.58	≤30.00	PASS
11N20SISO	Ant1	2462	11.35	51.64	2.87	14.22	10.55	≤30.00	PASS

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



Test Graphs Average



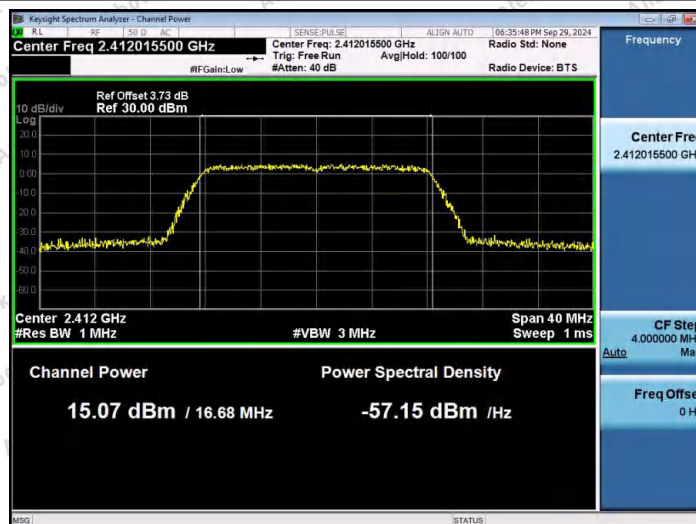
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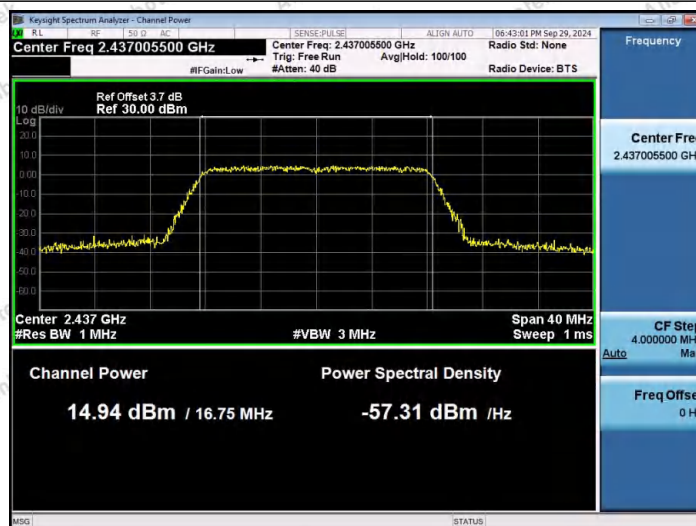


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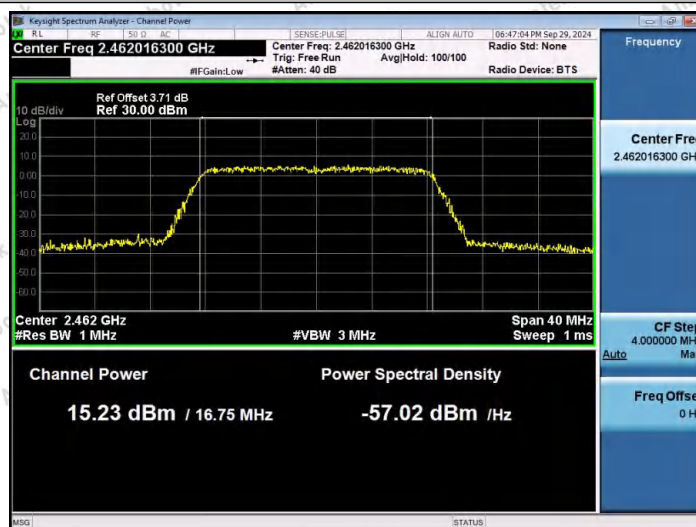




11G-Ant1-2412-PASS

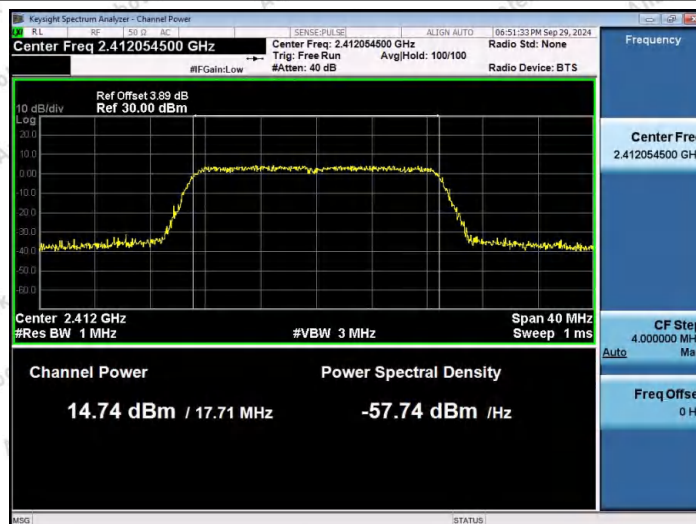


11G-Ant1-2437-PASS

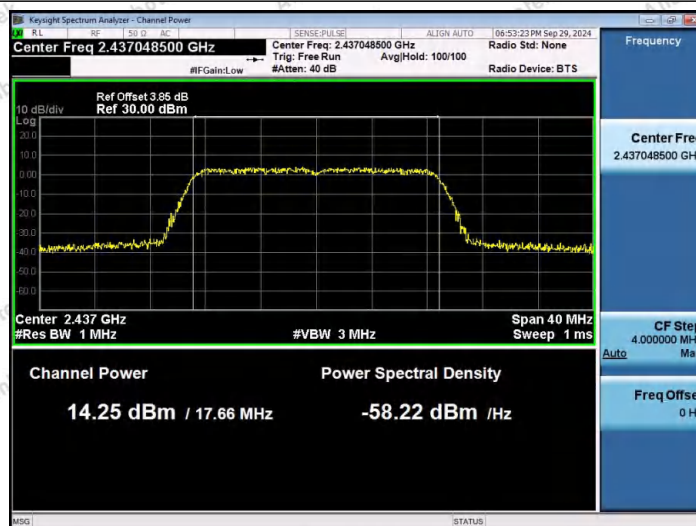


11G-Ant1-2462-PASS

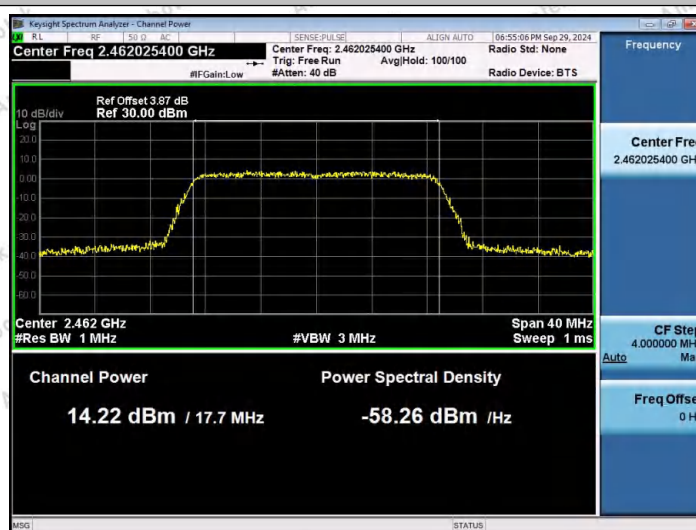




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS



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	-4.93	-14.93	≤8.00	PASS
11B	Ant1	2437	-4.92	-14.92	≤8.00	PASS
11B	Ant1	2462	-4.71	-14.71	≤8.00	PASS
11G	Ant1	2412	-14.39	-24.39	≤8.00	PASS
11G	Ant1	2437	-15.55	-25.55	≤8.00	PASS
11G	Ant1	2462	-15.19	-25.19	≤8.00	PASS
11N20SIS O	Ant1	2412	-15.46	-25.46	≤8.00	PASS
11N20SIS O	Ant1	2437	-15.81	-25.81	≤8.00	PASS
11N20SIS O	Ant1	2462	-16.08	-26.08	≤8.00	PASS

Note:

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



Test Graphs



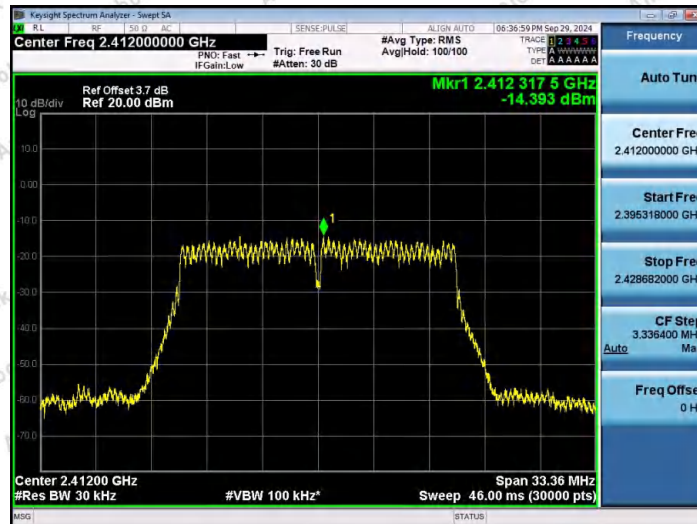
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11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

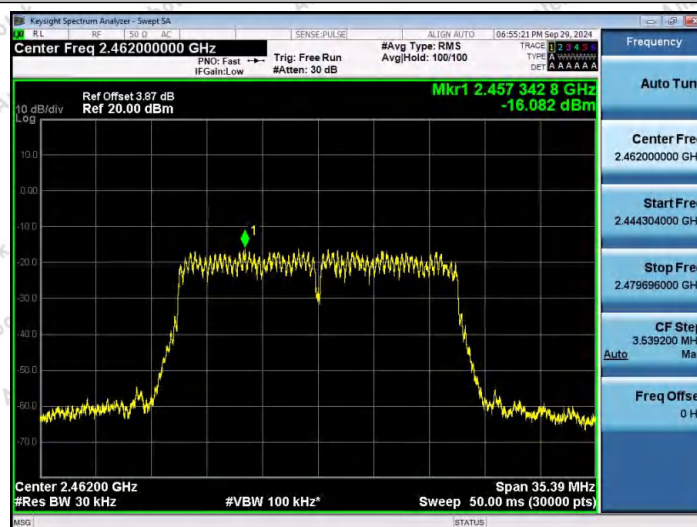




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS



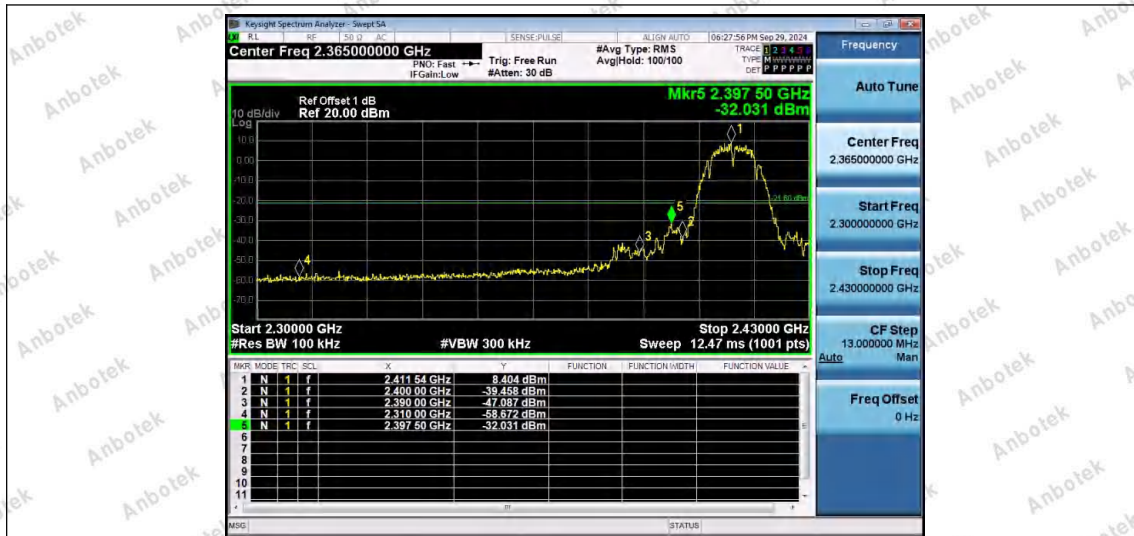
Appendix E: Conducted Band edge

Test Result

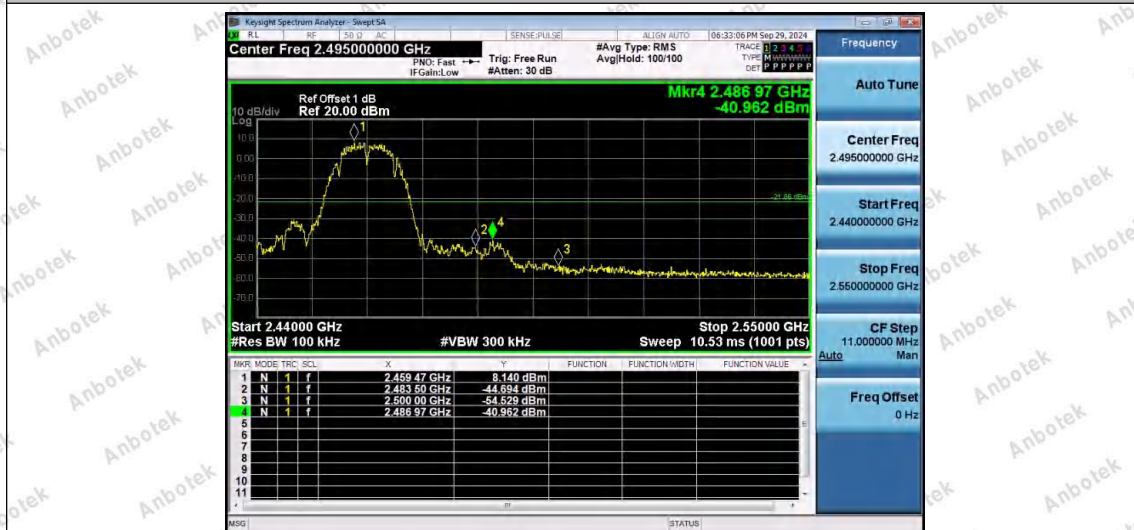
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.40	-32.03	≤-21.6	PASS
11B	Ant1	High	2462	8.14	-40.96	≤-21.86	PASS
11G	Ant1	Low	2412	-2.99	-43.61	≤-32.99	PASS
11G	Ant1	High	2462	-3.46	-52.42	≤-33.46	PASS
11N20SISO	Ant1	Low	2412	-3.49	-45.34	≤-33.49	PASS
11N20SISO	Ant1	High	2462	-3.91	-51.38	≤-33.91	PASS



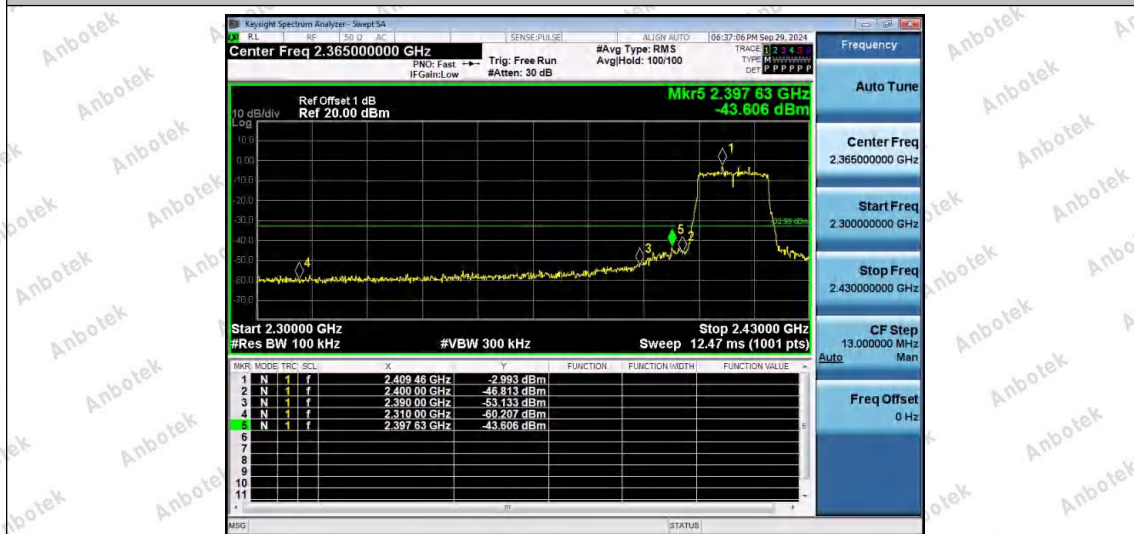
Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2462-PASS



11G-Ant1-2412-PASS

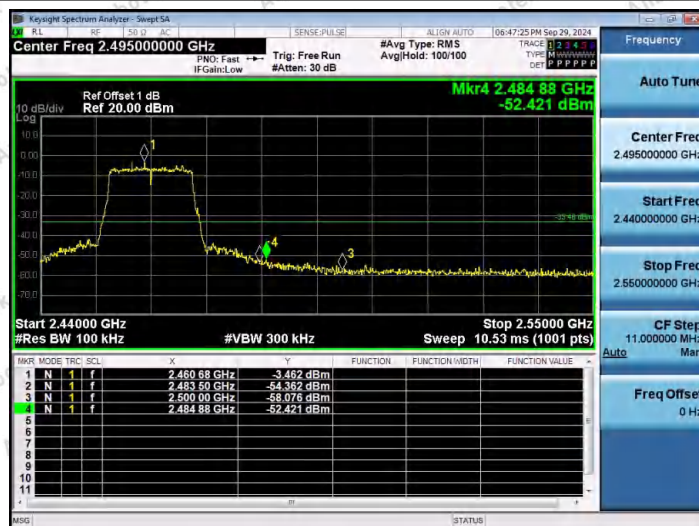
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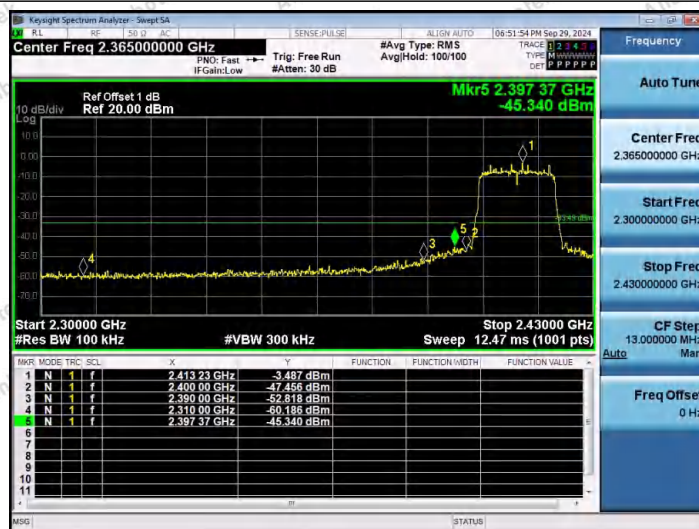


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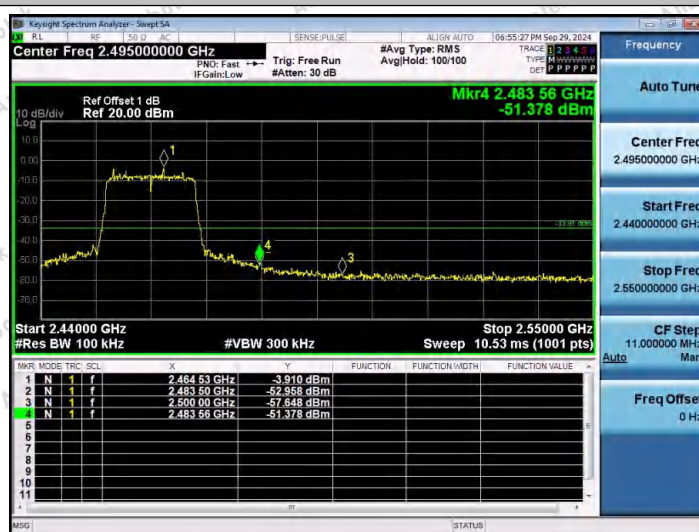




11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

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Appendix F: Conducted Spurious Emission

Test Result

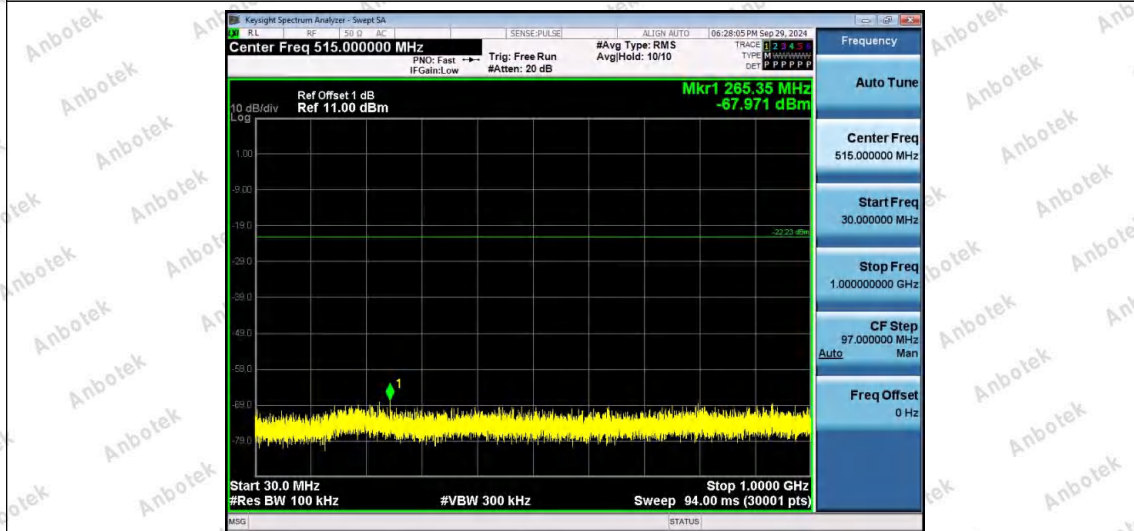
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	7.77	7.77	---	PASS
11B	Ant1	2412	30~1000	7.77	-67.97	≤-22.23	PASS
11B	Ant1	2412	1000~26500	7.77	-50.7	≤-22.23	PASS
11B	Ant1	2437	0~Reference	7.15	7.15	---	PASS
11B	Ant1	2437	30~1000	7.15	-68.05	≤-22.85	PASS
11B	Ant1	2437	1000~26500	7.15	-50.87	≤-22.85	PASS
11B	Ant1	2462	0~Reference	8.31	8.31	---	PASS
11B	Ant1	2462	30~1000	8.31	-68.47	≤-21.69	PASS
11B	Ant1	2462	1000~26500	8.31	-51.55	≤-21.69	PASS
11G	Ant1	2412	0~Reference	-5.44	-5.44	---	PASS
11G	Ant1	2412	30~1000	-5.44	-68.23	≤-35.44	PASS
11G	Ant1	2412	1000~26500	-5.44	-53.64	≤-35.44	PASS
11G	Ant1	2437	0~Reference	-6.40	-6.40	---	PASS
11G	Ant1	2437	30~1000	-6.40	-68.33	≤-36.4	PASS
11G	Ant1	2437	1000~26500	-6.40	-53.13	≤-36.4	PASS
11G	Ant1	2462	0~Reference	-5.88	-5.88	---	PASS
11G	Ant1	2462	30~1000	-5.88	-68.6	≤-35.88	PASS
11G	Ant1	2462	1000~26500	-5.88	-53.54	≤-35.88	PASS
11N20SISO	Ant1	2412	0~Reference	-6.50	-6.50	---	PASS
11N20SISO	Ant1	2412	30~1000	-6.50	-67.16	≤-36.5	PASS
11N20SISO	Ant1	2412	1000~26500	-6.50	-54.11	≤-36.5	PASS
11N20SISO	Ant1	2437	0~Reference	-6.07	-6.07	---	PASS
11N20SISO	Ant1	2437	30~1000	-6.07	-69.18	≤-36.07	PASS
11N20SISO	Ant1	2437	1000~26500	-6.07	-53.41	≤-36.07	PASS
11N20SISO	Ant1	2462	0~Reference	-7.44	-7.44	---	PASS
11N20SISO	Ant1	2462	30~1000	-7.44	-68.77	≤-37.44	PASS
11N20SISO	Ant1	2462	1000~26500	-7.44	-53.12	≤-37.44	PASS



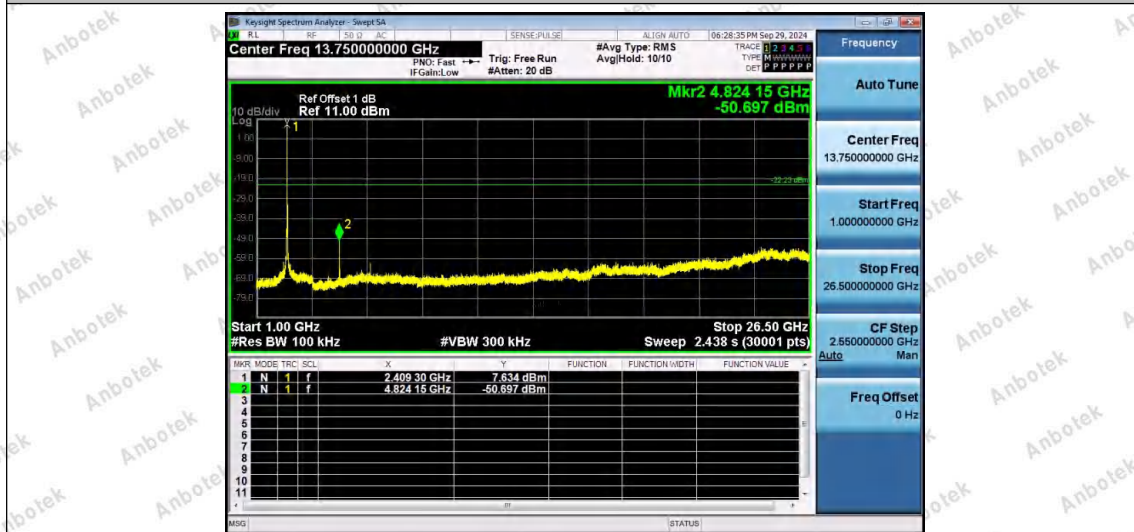
Test Graphs



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



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



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

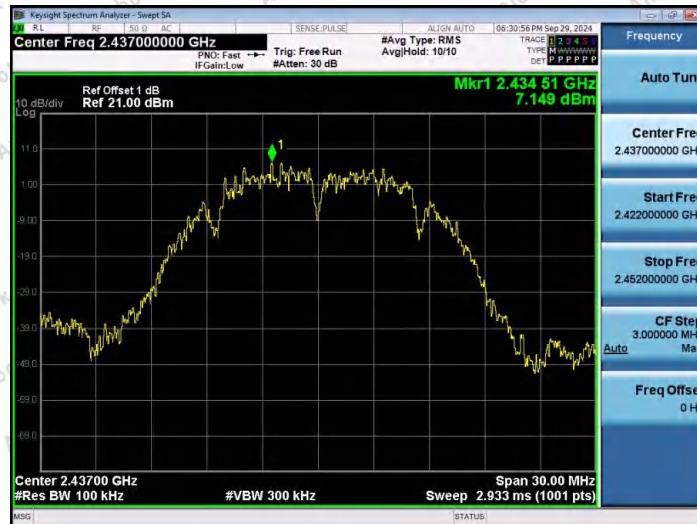
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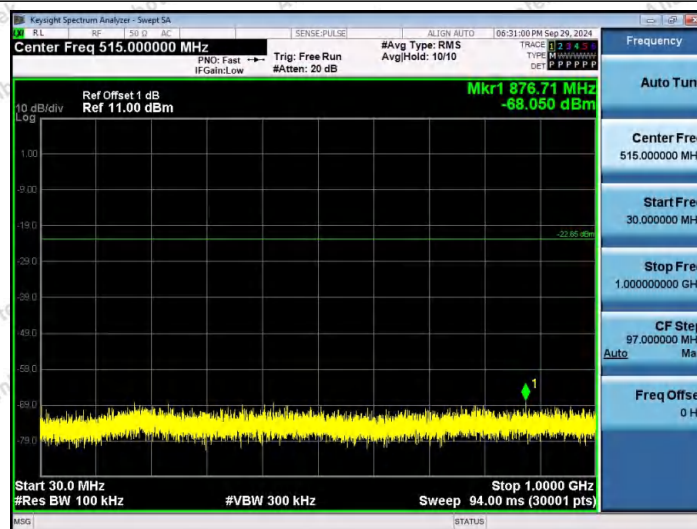


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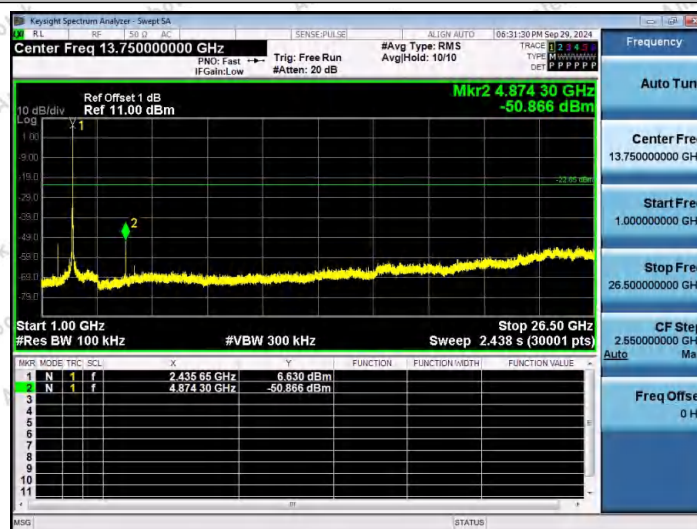




11B-Ant1-2437-0~Reference-PASS

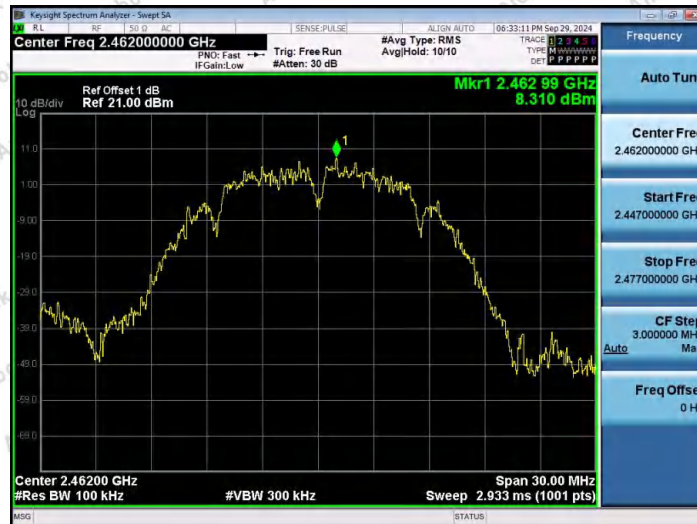


11B-Ant1-2437-30~1000-PASS

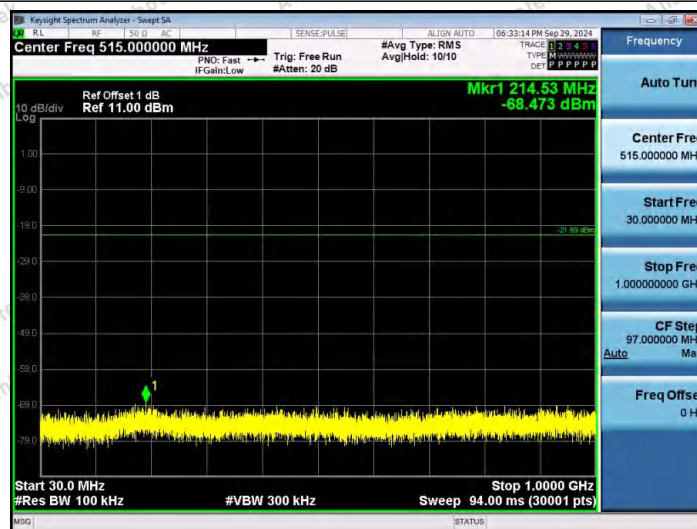


11B-Ant1-2437-1000~26500-PASS

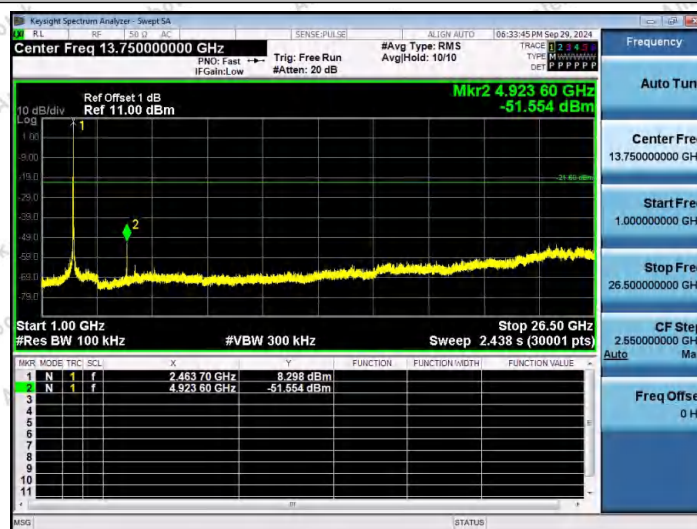




11B-Ant1-2462-0~Reference-PASS



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



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

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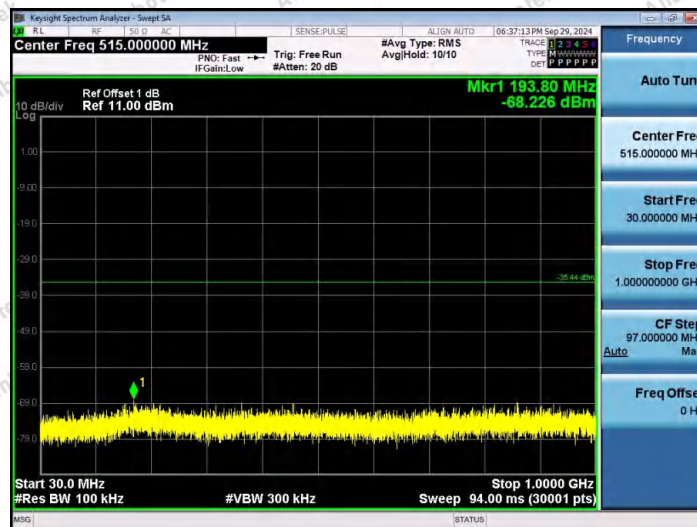


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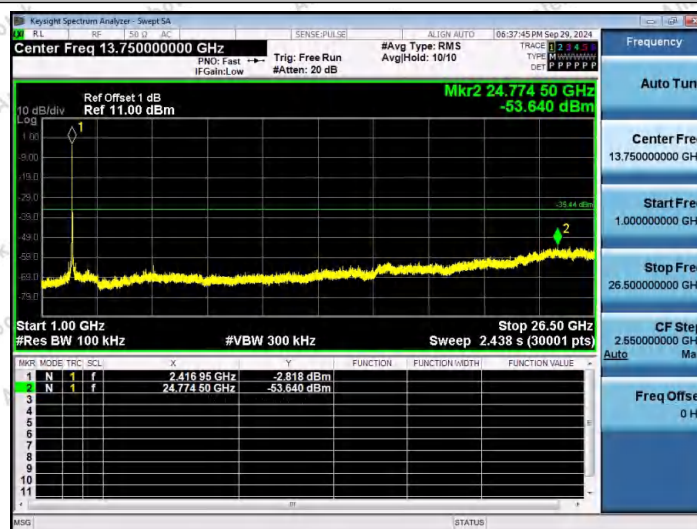




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11G-Ant1-2412-30~1000-PASS



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

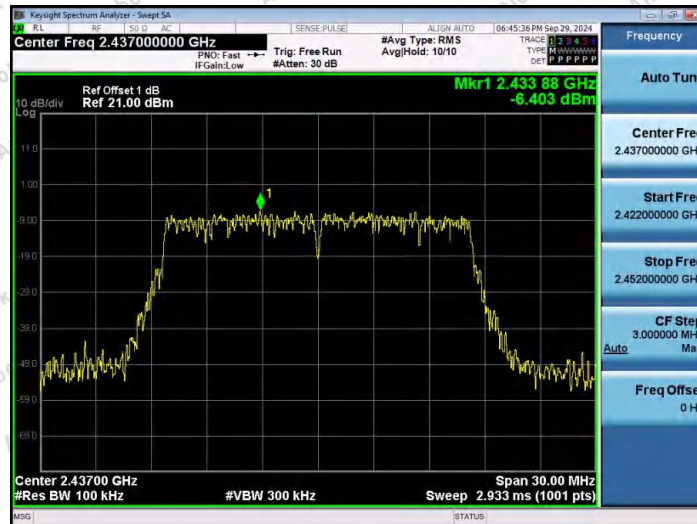
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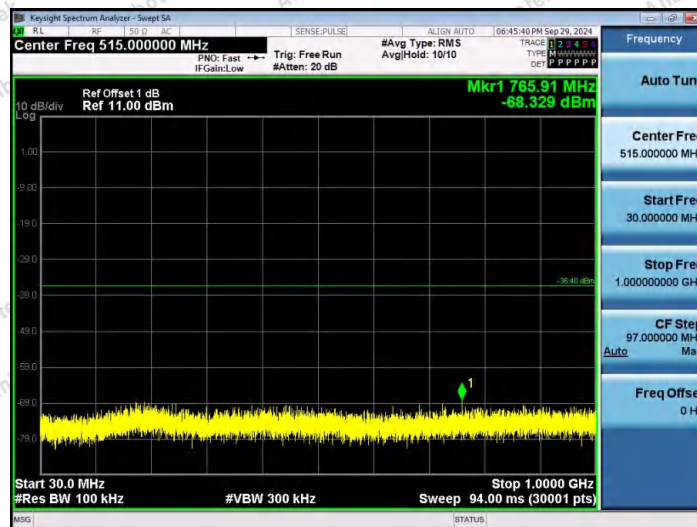


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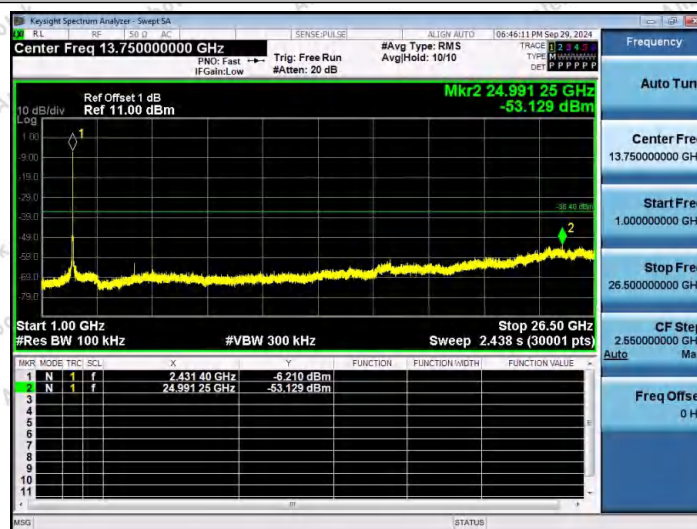




11G-Ant1-2437-0~Reference-PASS



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



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

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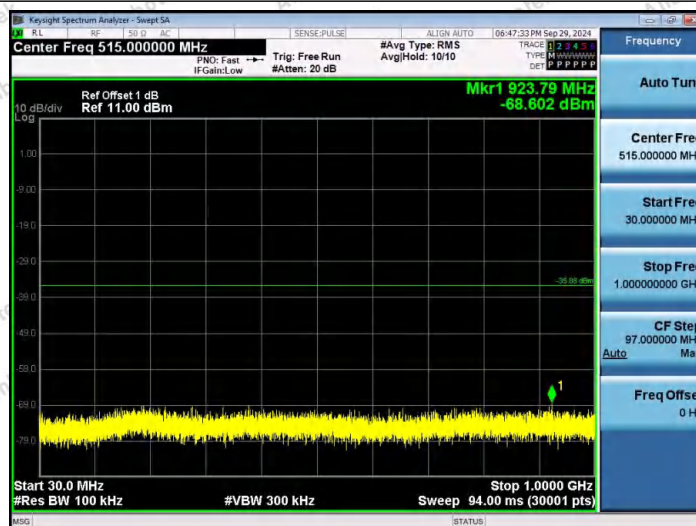


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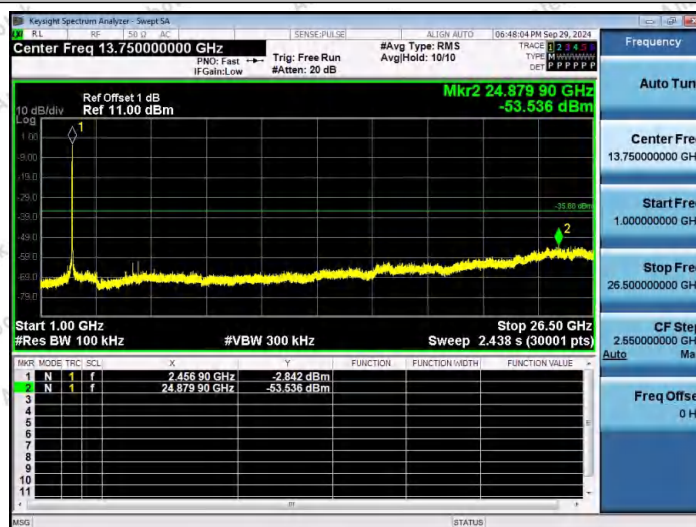




11G-Ant1-2462-0~Reference-PASS



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



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

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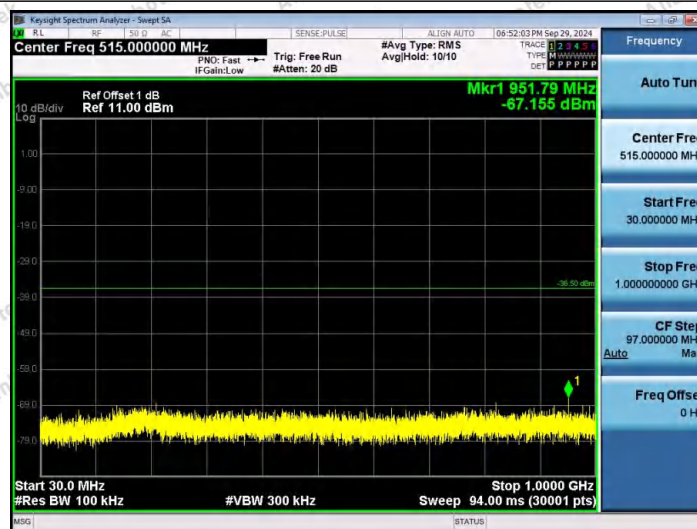


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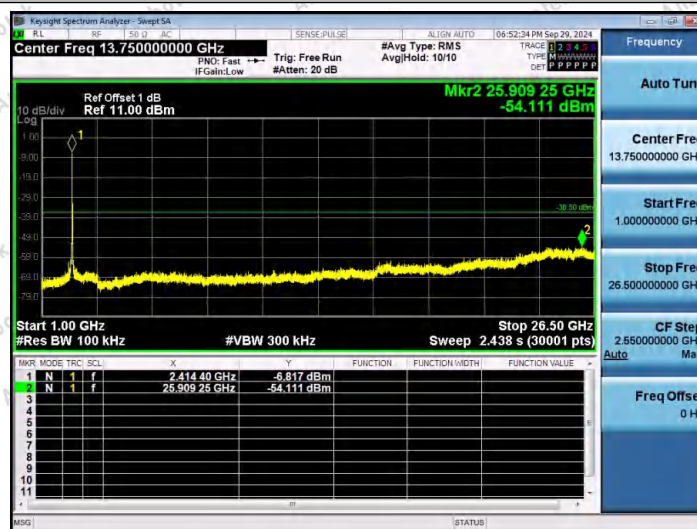




11N20SISO-Ant1-2412-0~Reference-PASS



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



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

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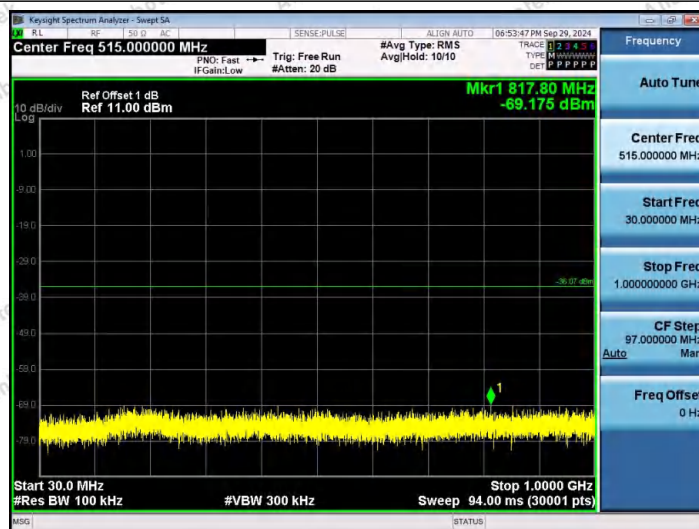


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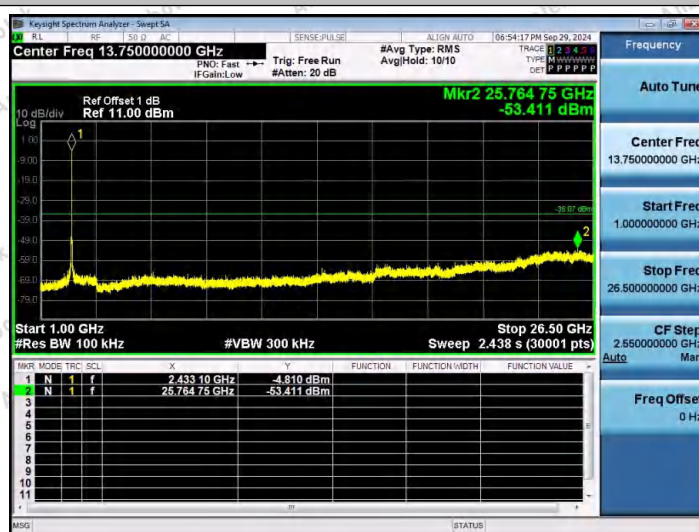




11N20SISO-Ant1-2437-0~Reference-PASS



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



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

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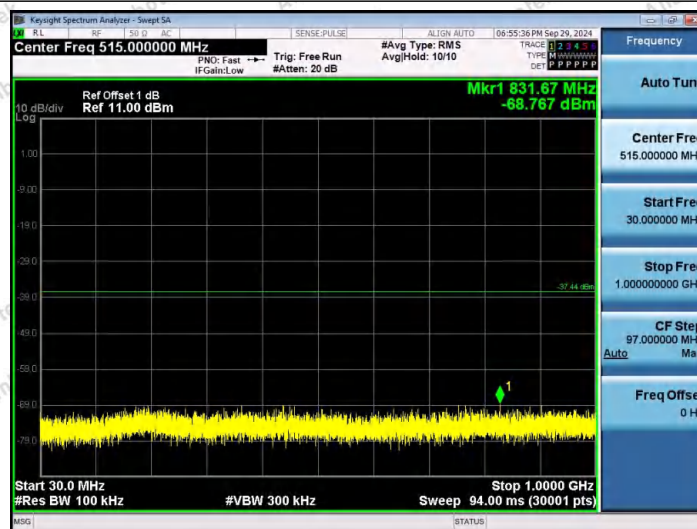


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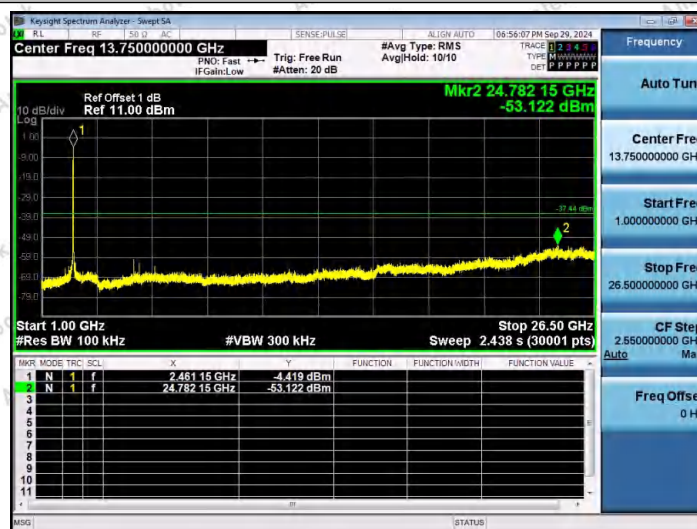




11N20SISO-Ant1-2462-0~Reference-PASS



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



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

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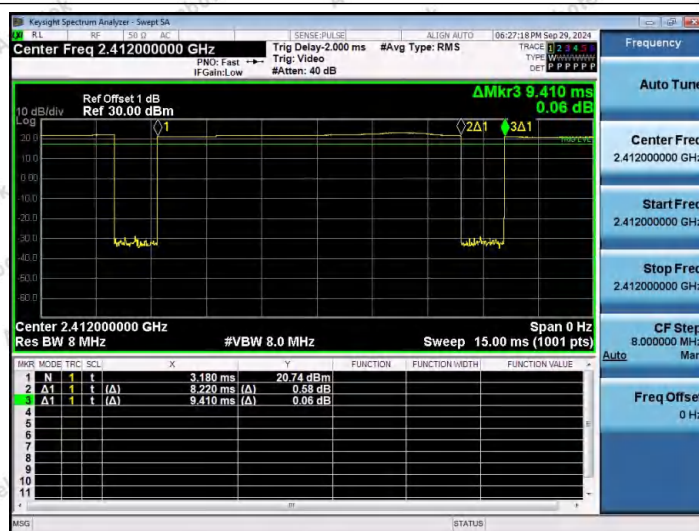
Appendix G: Duty Cycle

Test Result

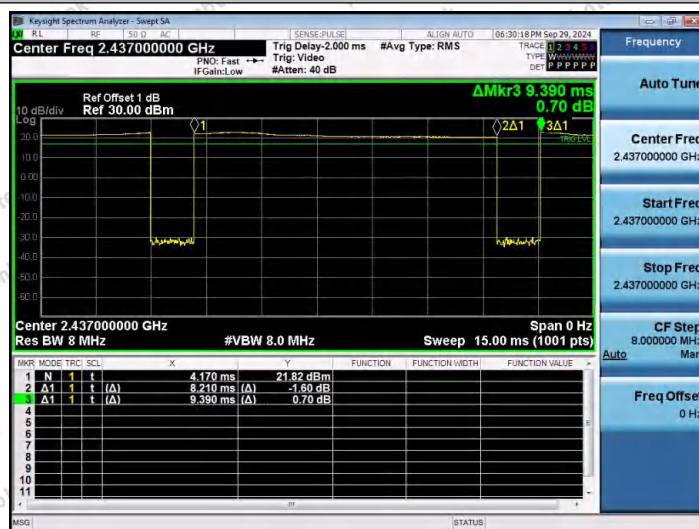
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.22	9.41	87.35	0.59
11B	Ant1	2437	8.21	9.39	87.43	0.58
11B	Ant1	2462	8.22	9.39	87.54	0.58
11G	Ant1	2412	1.36	2.53	53.75	2.70
11G	Ant1	2437	1.36	2.53	53.75	2.70
11G	Ant1	2462	1.36	2.54	53.54	2.71
11N20SISO	Ant1	2412	1.26	2.45	51.43	2.89
11N20SISO	Ant1	2437	1.27	2.45	51.84	2.85
11N20SISO	Ant1	2462	1.26	2.44	51.64	2.87



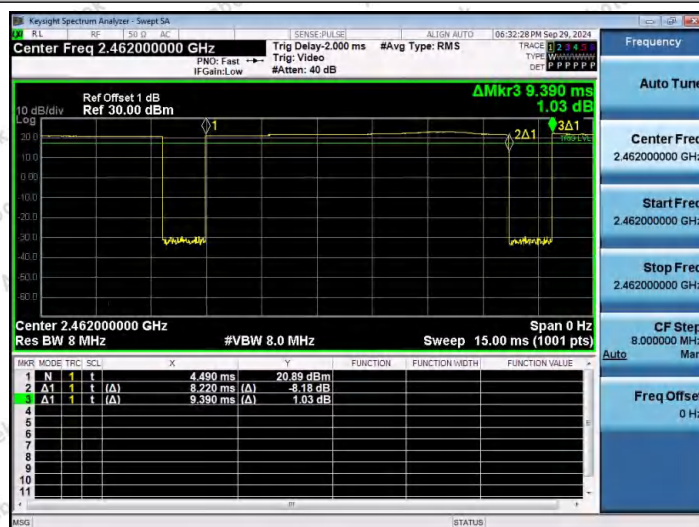
Test Graphs



NTNV-11B-Ant1-2412



NTNV-11B-Ant1-2437



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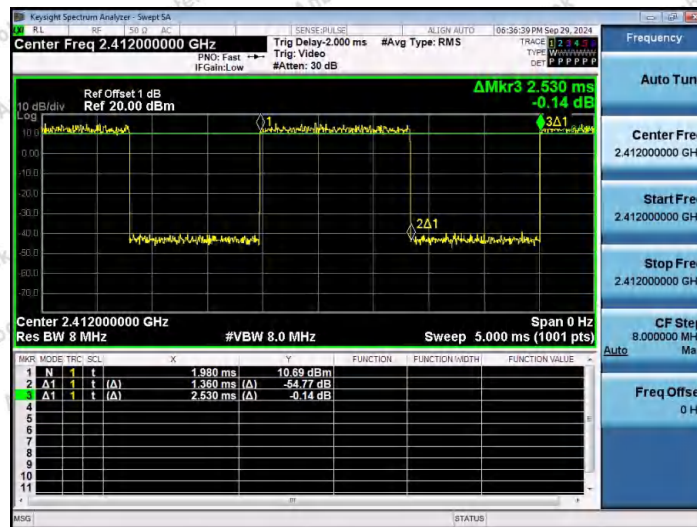
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86) 0755-26066440 Email: service@anbotech.com



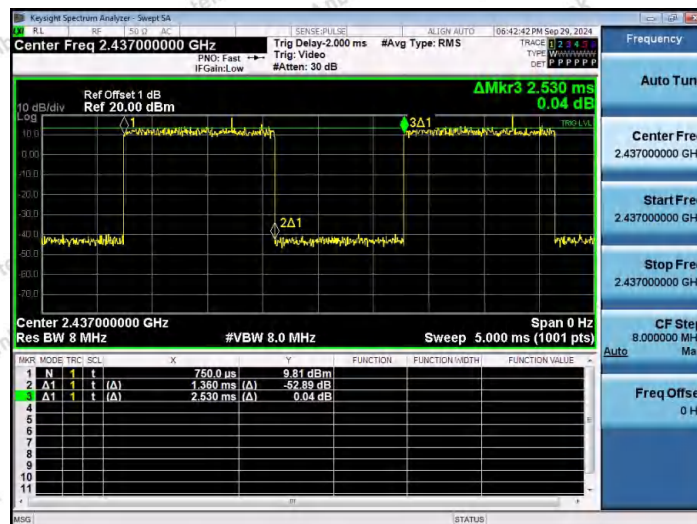
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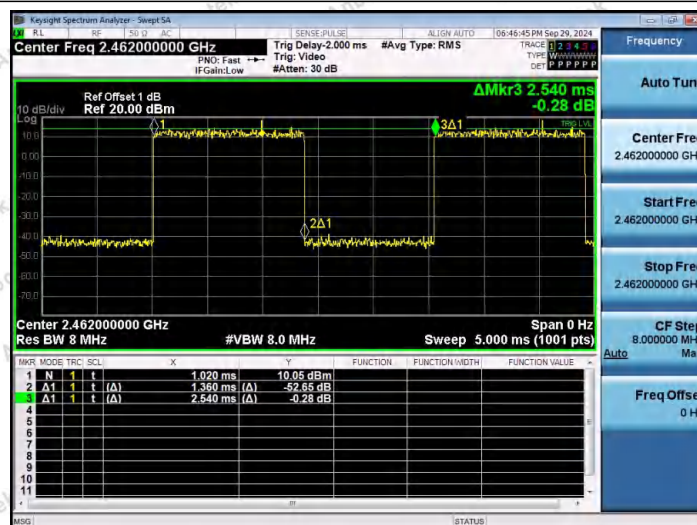
NTNV-11B-Ant1-2462



NTNV-11G-Ant1-2412



NTNV-11G-Ant1-2437



NTNV-11G-Ant1-2462

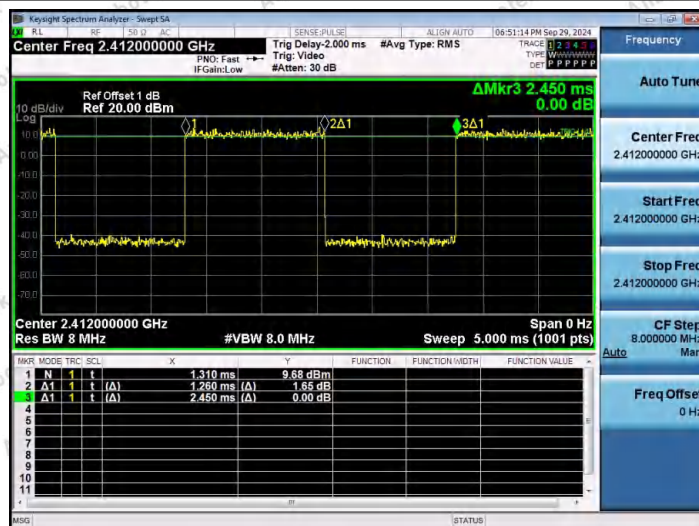
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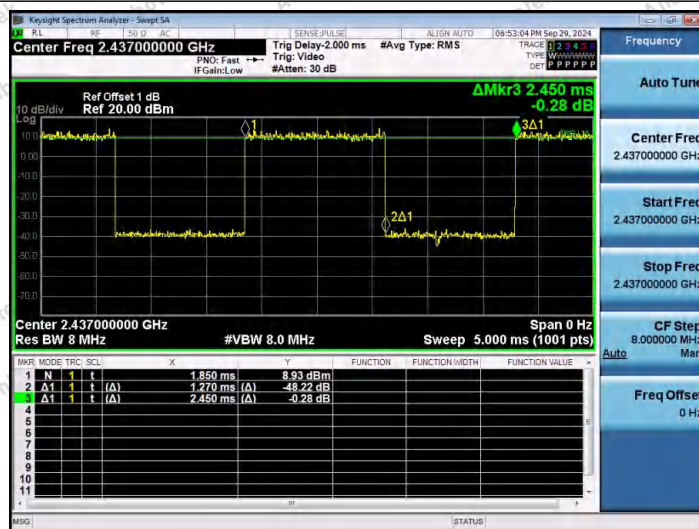


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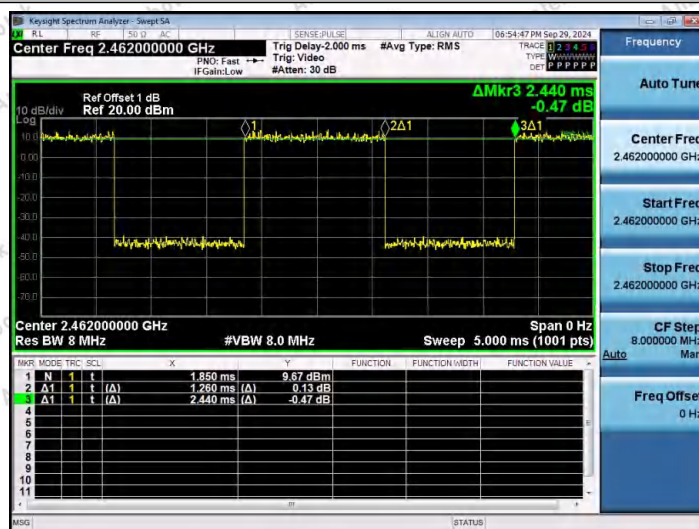




NTNV-11N20SISO-Ant1-2412



NTNV-11N20SISO-Ant1-2437



NTNV-11N20SISO-Ant1-2462

---End---

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