

Appendix Test Data

Report No.:	1816C40009912501	Test Sample No.:	1-2-2
Start Test Date:	2024.10.22	Finish Test Date:	2024.10.22
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	23.3℃	Relative Humidity:	53%
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	8.160	2407.960	2416.120	0.5	PASS
11B	Ant1	2437	8.240	2432.880	2441.120	0.5	PASS
11B	Ant1	2462	8.160	2457.880	2466.040	0.5	PASS
11G	Ant1	2412	15.400	2404.480	2419.880	0.5	PASS
11G	Ant1	2437	15.960	2429.040	2445.000	0.5	PASS
11G	Ant1	2462	15.800	2453.840	2469.640	0.5	PASS
11N20SISO	Ant1	2412	16.240	2404.320	2420.560	0.5	PASS
11N20SISO	Ant1	2437	17.440	2428.320	2445.760	0.5	PASS
11N20SISO	Ant1	2462	16.640	2453.320	2469.960	0.5	PASS



Test Graphs



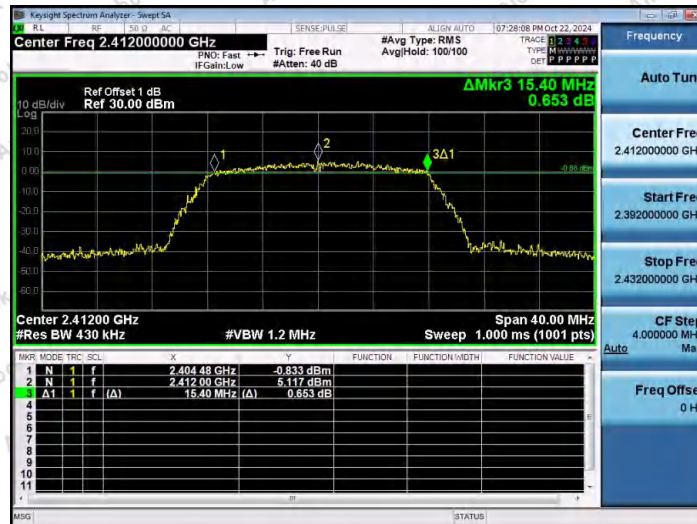
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11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

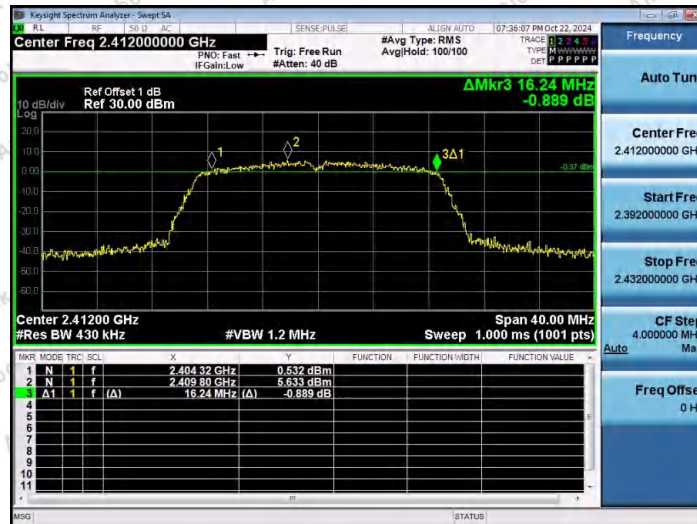
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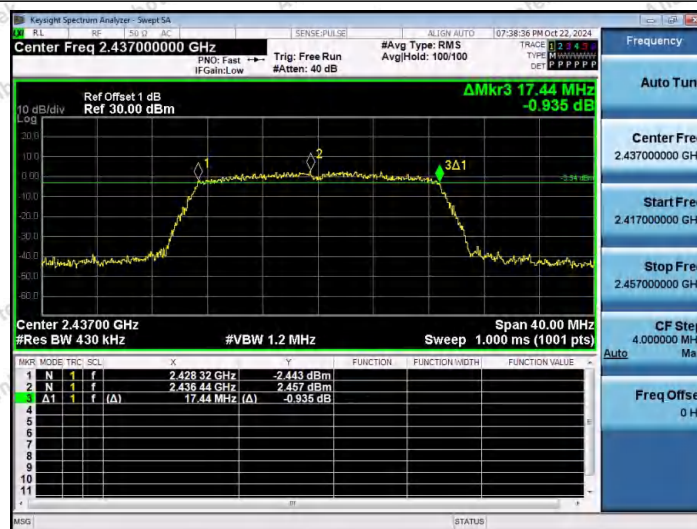


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11N20SISO-Ant1-2412-PASS



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	12.488	2405.8639	2418.3519	---	---
11B	Ant1	2437	12.578	2430.7521	2443.3301	---	---
11B	Ant1	2462	12.431	2455.6642	2468.0952	---	---
11G	Ant1	2412	16.557	2403.7561	2420.3131	---	---
11G	Ant1	2437	16.801	2428.6150	2445.4160	---	---
11G	Ant1	2462	16.545	2453.6304	2470.1754	---	---
11N20SISO	Ant1	2412	17.615	2403.2256	2420.8406	---	---
11N20SISO	Ant1	2437	17.771	2428.1310	2445.9020	---	---
11N20SISO	Ant1	2462	17.679	2453.0584	2470.7374	---	---



Test Graphs



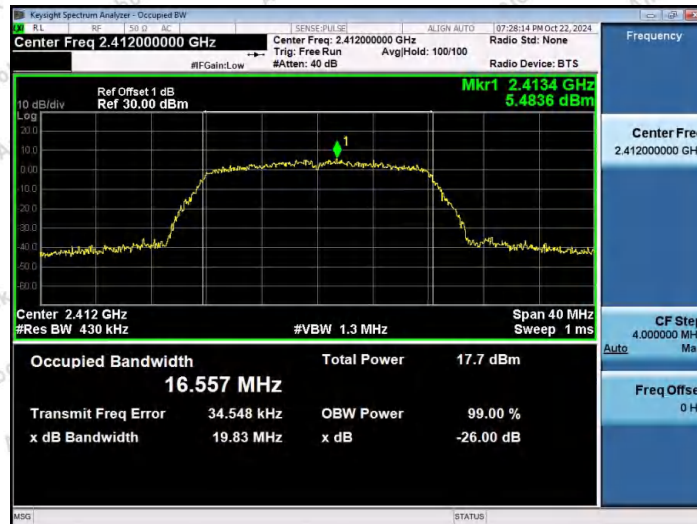
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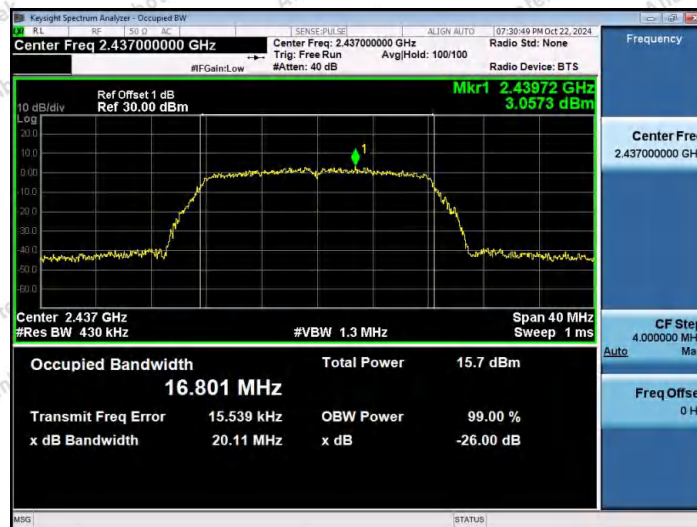


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11G-Ant1-2412



11G-Ant1-2437



11G-Ant1-2462

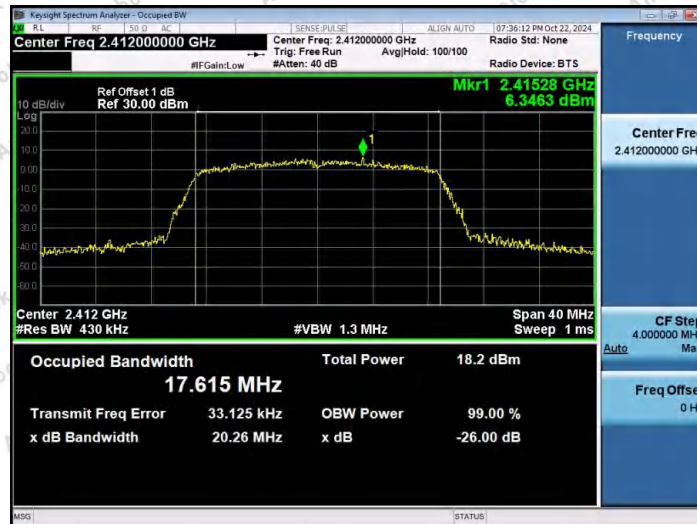
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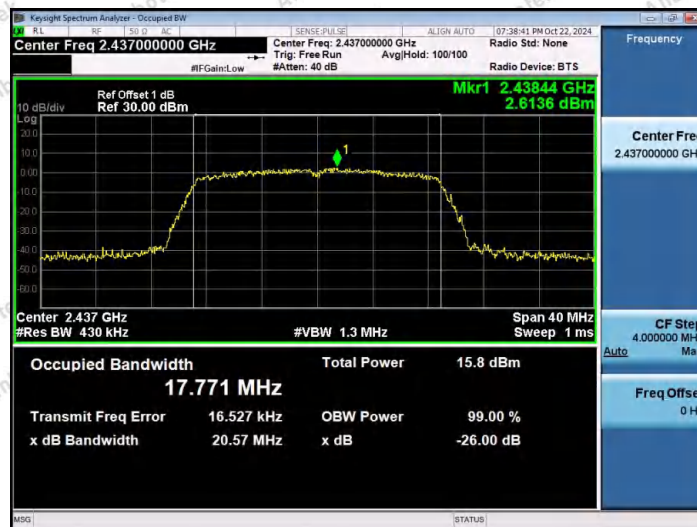


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11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



11N20SISO-Ant1-2462



Appendix C: Maximum conducted output power

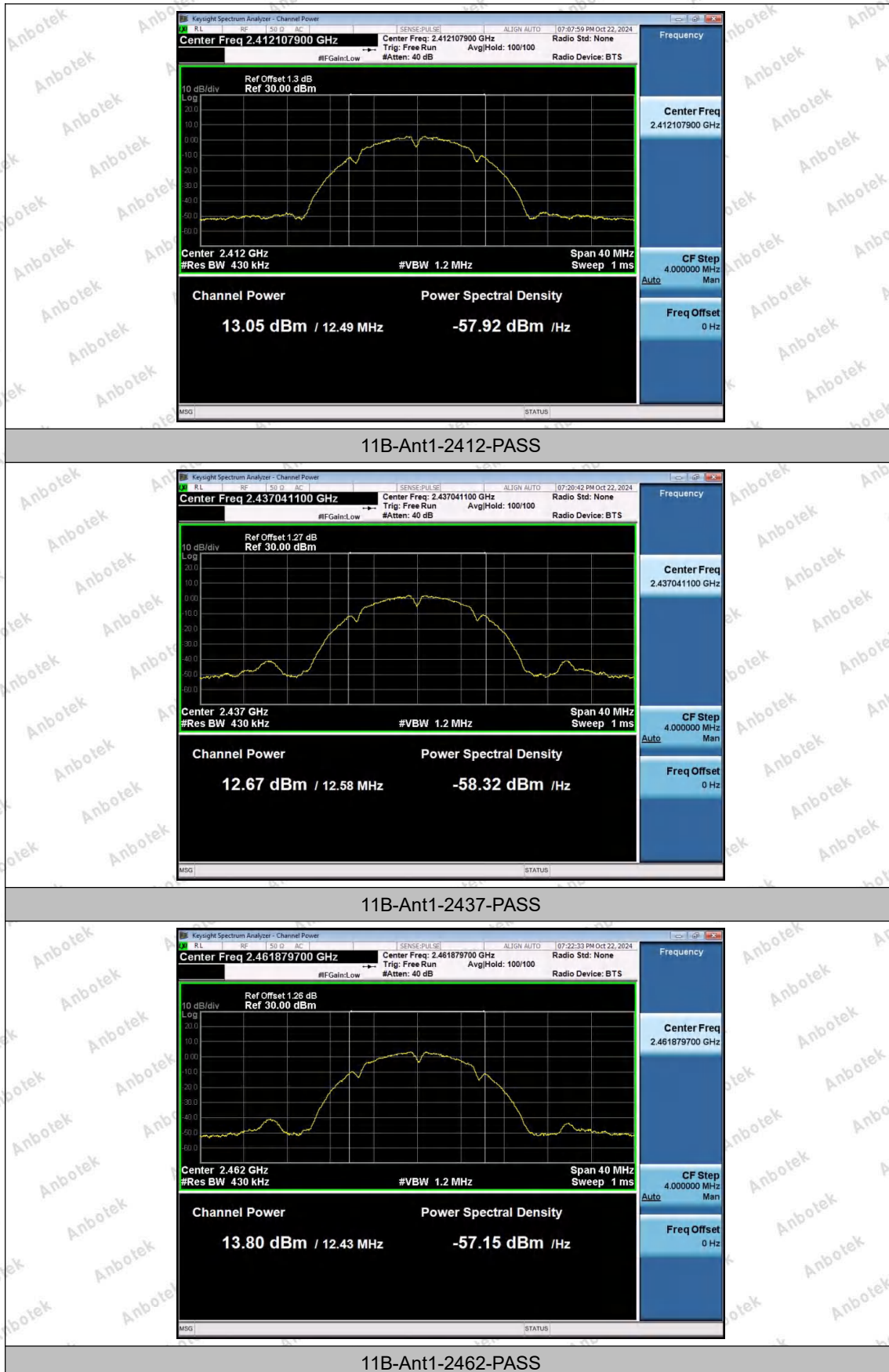
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	---	12.71	92.50	0.34	13.05	≤30.00	PASS
11B	Ant1	2437	---	12.40	94.05	0.27	12.67	≤30.00	PASS
11B	Ant1	2462	---	13.54	94.16	0.26	13.80	≤30.00	PASS
11G	Ant1	2412	---	10.27	72.40	1.40	11.67	≤30.00	PASS
11G	Ant1	2437	---	8.89	72.02	1.43	10.32	≤30.00	PASS
11G	Ant1	2462	---	8.87	72.16	1.42	10.29	≤30.00	PASS
11N20SISO	Ant1	2412	---	10.86	70.27	1.53	12.39	≤30.00	PASS
11N20SISO	Ant1	2437	---	8.23	70.81	1.50	9.73	≤30.00	PASS
11N20SISO	Ant1	2462	---	9.54	70.65	1.51	11.05	≤30.00	PASS

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



Test Graphs Average



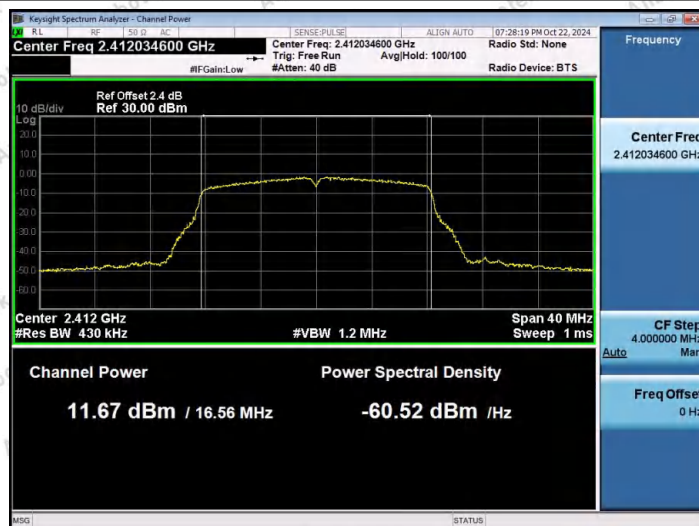
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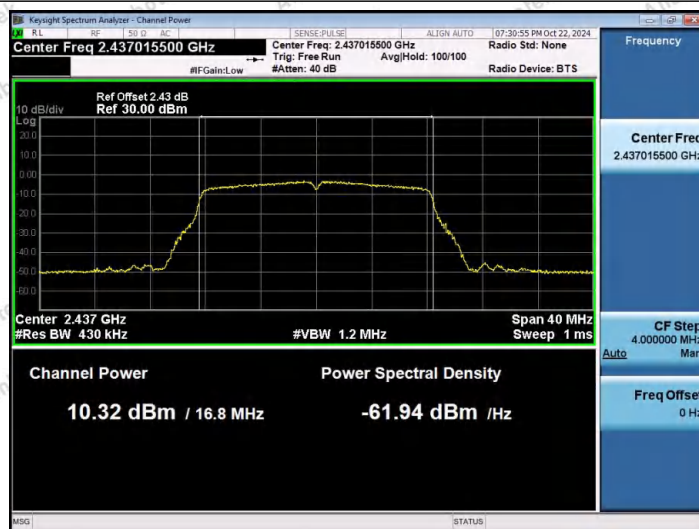


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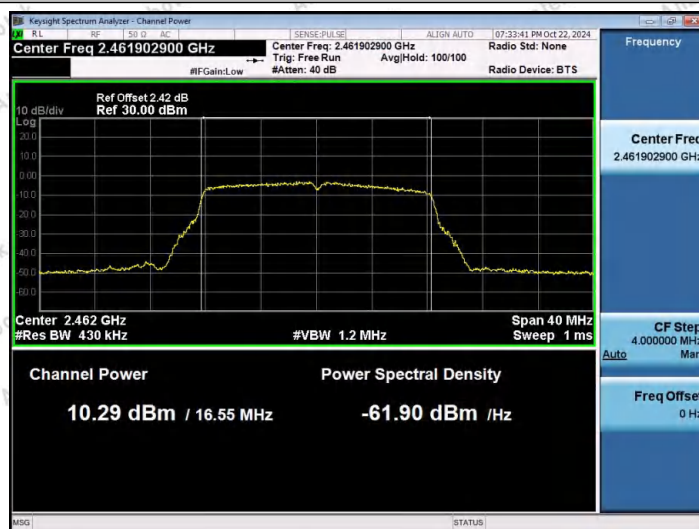




11G-Ant1-2412-PASS

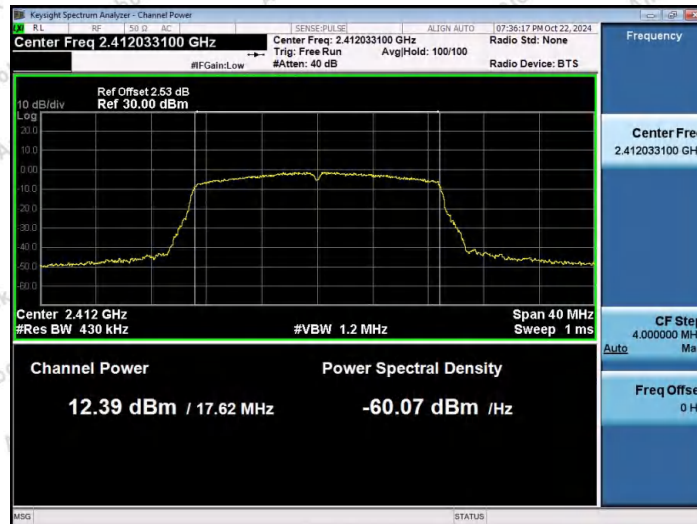


11G-Ant1-2437-PASS

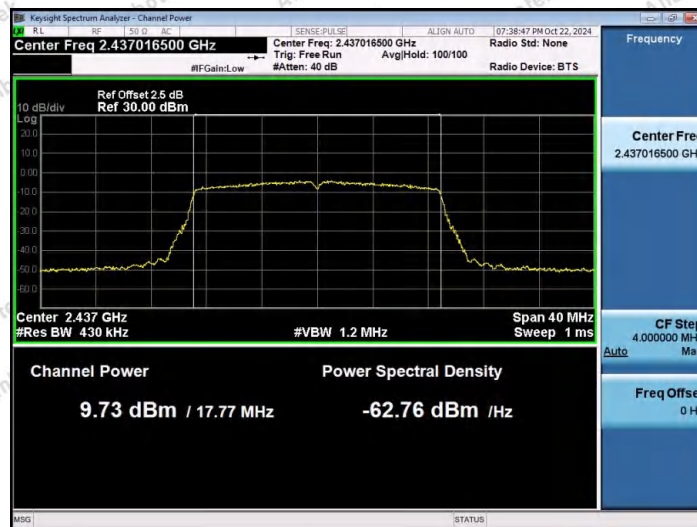


11G-Ant1-2462-PASS

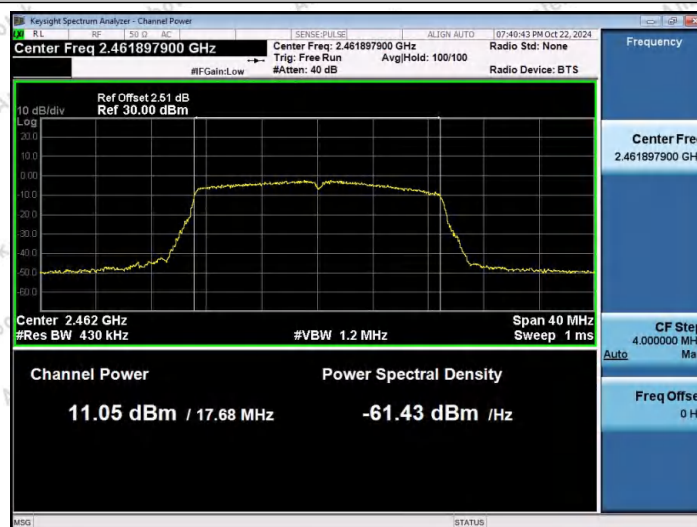




11N20SISO-Ant1-2412-PASS



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	-7.58	-17.58	≤8.00	PASS
11B	Ant1	2437	-8.61	-18.61	≤8.00	PASS
11B	Ant1	2462	-7.39	-17.39	≤8.00	PASS
11G	Ant1	2412	-11.41	-21.41	≤8.00	PASS
11G	Ant1	2437	-12.93	-22.93	≤8.00	PASS
11G	Ant1	2462	-11.47	-21.47	≤8.00	PASS
11N20SISO	Ant1	2412	-10.55	-20.55	≤8.00	PASS
11N20SISO	Ant1	2437	-13.43	-23.43	≤8.00	PASS
11N20SISO	Ant1	2462	-11.94	-21.94	≤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



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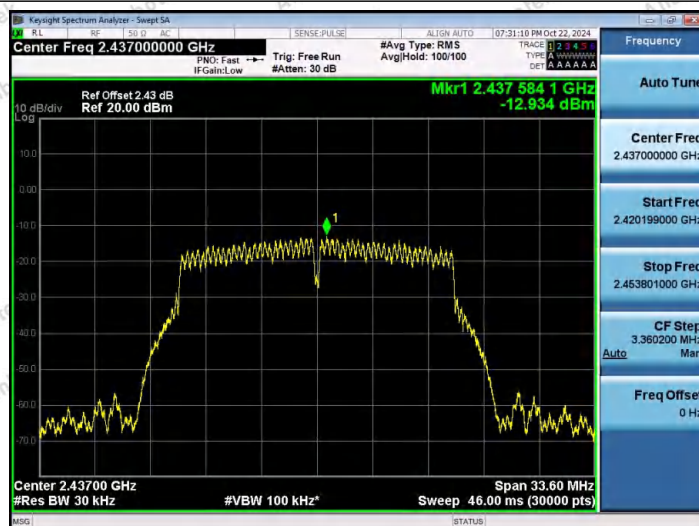


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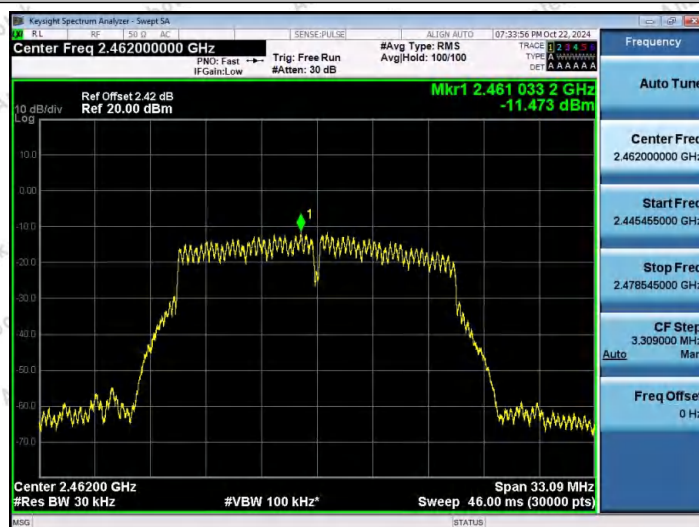




11G-Ant1-2412-PASS

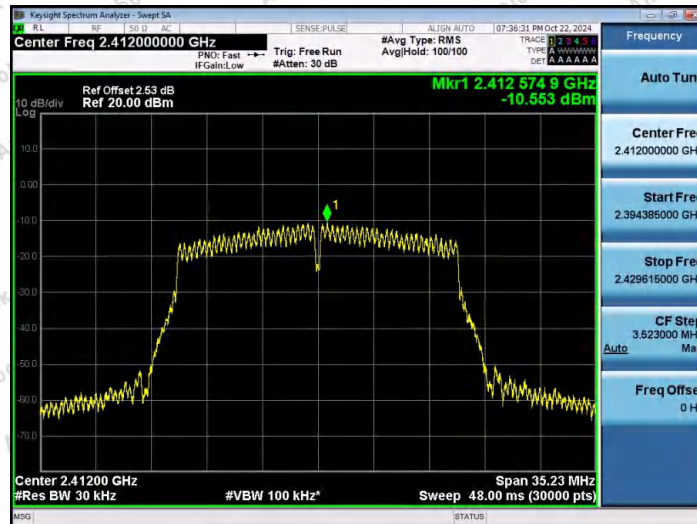


11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

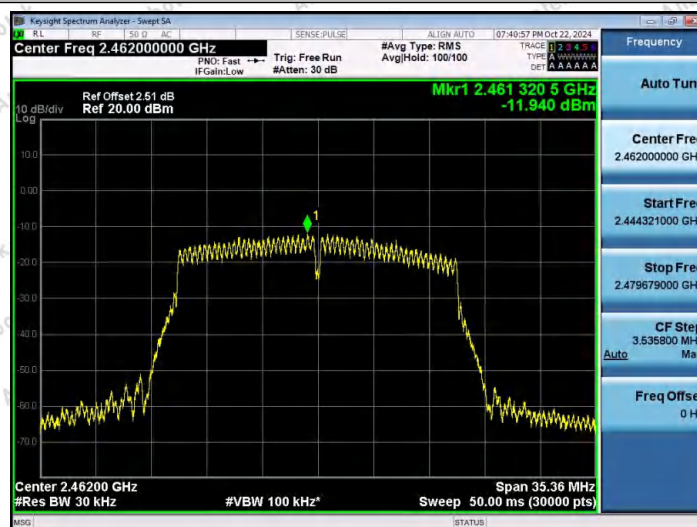




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS



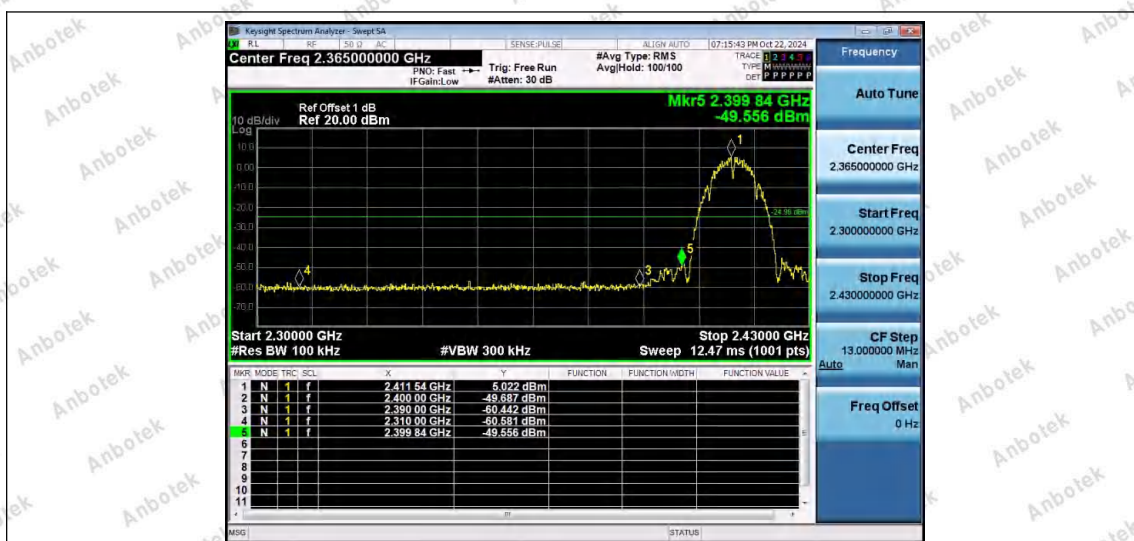
Appendix E: Conducted Band edge

Test Result

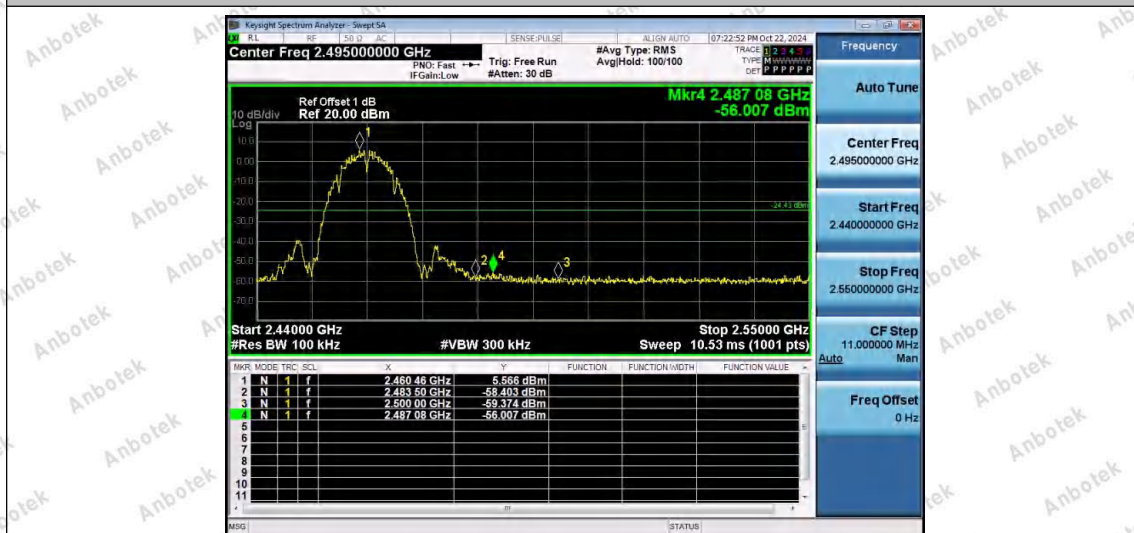
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.02	-49.56	≤-24.98	PASS
11B	Ant1	High	2462	5.57	-56.01	≤-24.43	PASS
11G	Ant1	Low	2412	0.42	-43.49	≤-29.59	PASS
11G	Ant1	High	2462	-0.85	-53.65	≤-30.85	PASS
11N20SISO	Ant1	Low	2412	1.94	-42.26	≤-28.06	PASS
11N20SISO	Ant1	High	2462	-0.63	-52	≤-30.63	PASS



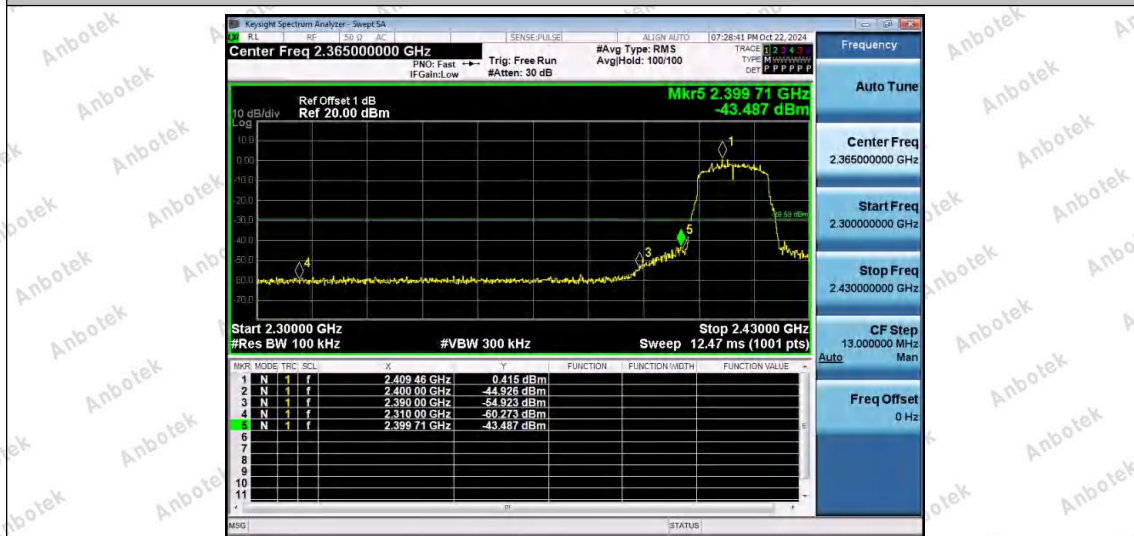
Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2462-PASS



11G-Ant1-2412-PASS

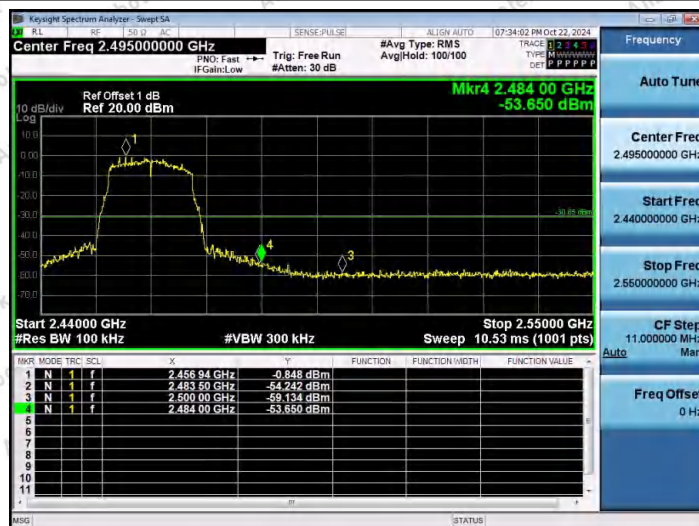
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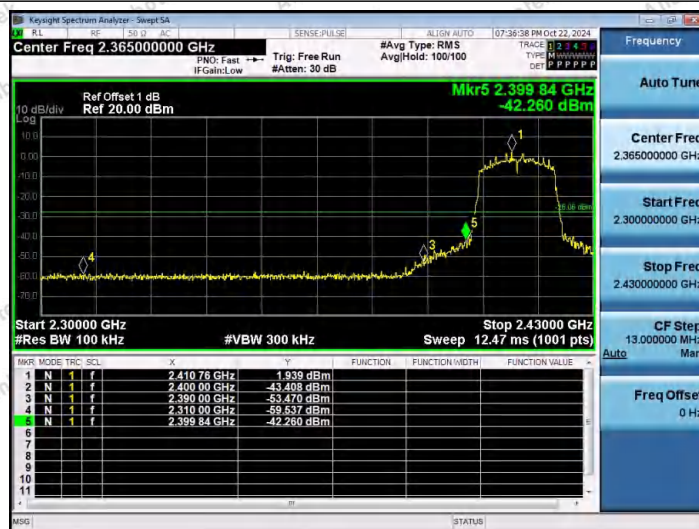


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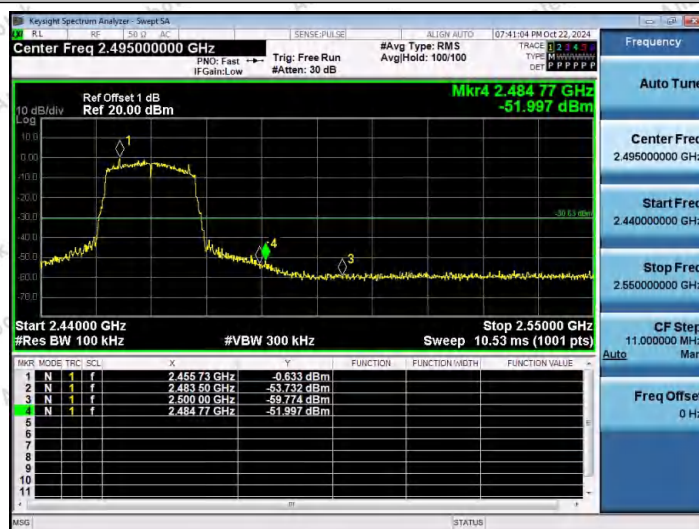




11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

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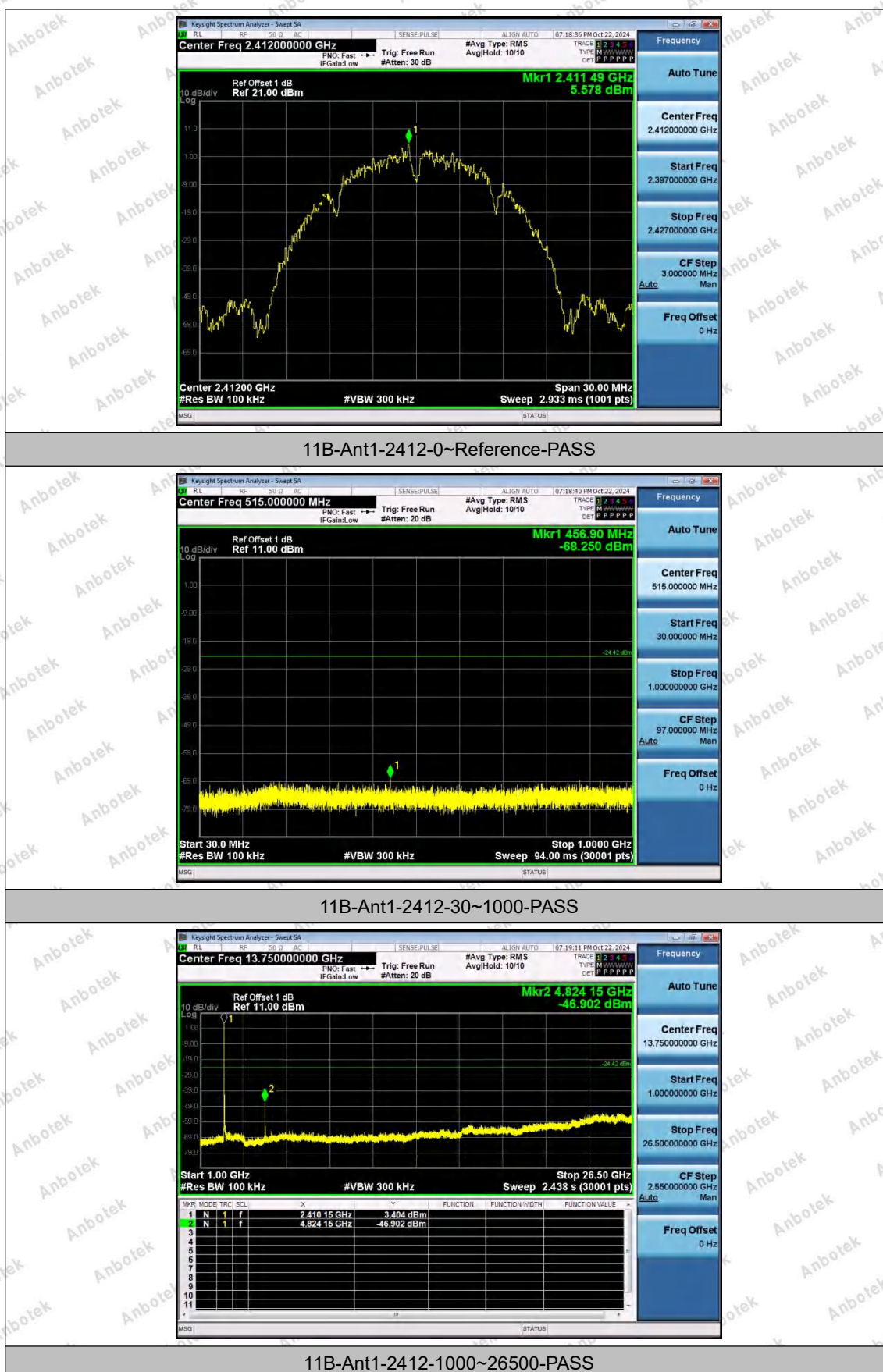
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	5.58	5.58	---	PASS
11B	Ant1	2412	30~1000	5.58	-68.25	≤-24.42	PASS
11B	Ant1	2412	1000~26500	5.58	-46.9	≤-24.42	PASS
11B	Ant1	2437	0~Reference	3.15	3.15	---	PASS
11B	Ant1	2437	30~1000	3.15	-68.81	≤-26.85	PASS
11B	Ant1	2437	1000~26500	3.15	-49.58	≤-26.85	PASS
11B	Ant1	2462	0~Reference	5.37	5.37	---	PASS
11B	Ant1	2462	30~1000	5.37	-67.32	≤-24.63	PASS
11B	Ant1	2462	1000~26500	5.37	-46.46	≤-24.63	PASS
11G	Ant1	2412	0~Reference	1.88	1.88	---	PASS
11G	Ant1	2412	30~1000	1.88	-68.77	≤-28.12	PASS
11G	Ant1	2412	1000~26500	1.88	-53.33	≤-28.12	PASS
11G	Ant1	2437	0~Reference	-3.54	-3.54	---	PASS
11G	Ant1	2437	30~1000	-3.54	-68.89	≤-33.54	PASS
11G	Ant1	2437	1000~26500	-3.54	-53.3	≤-33.54	PASS
11G	Ant1	2462	0~Reference	-2.77	-2.77	---	PASS
11G	Ant1	2462	30~1000	-2.77	-68.8	≤-32.77	PASS
11G	Ant1	2462	1000~26500	-2.77	-45.93	≤-32.77	PASS
11N20SISO	Ant1	2412	0~Reference	-0.25	-0.25	---	PASS
11N20SISO	Ant1	2412	30~1000	-0.25	-68.17	≤-30.25	PASS
11N20SISO	Ant1	2412	1000~26500	-0.25	-53.15	≤-30.25	PASS
11N20SISO	Ant1	2437	0~Reference	-2.64	-2.64	---	PASS
11N20SISO	Ant1	2437	30~1000	-2.64	-67.94	≤-32.64	PASS
11N20SISO	Ant1	2437	1000~26500	-2.64	-53.65	≤-32.64	PASS
11N20SISO	Ant1	2462	0~Reference	-2.54	-2.54	---	PASS
11N20SISO	Ant1	2462	30~1000	-2.54	-68.09	≤-32.54	PASS
11N20SISO	Ant1	2462	1000~26500	-2.54	-52.4	≤-32.54	PASS



Test Graphs



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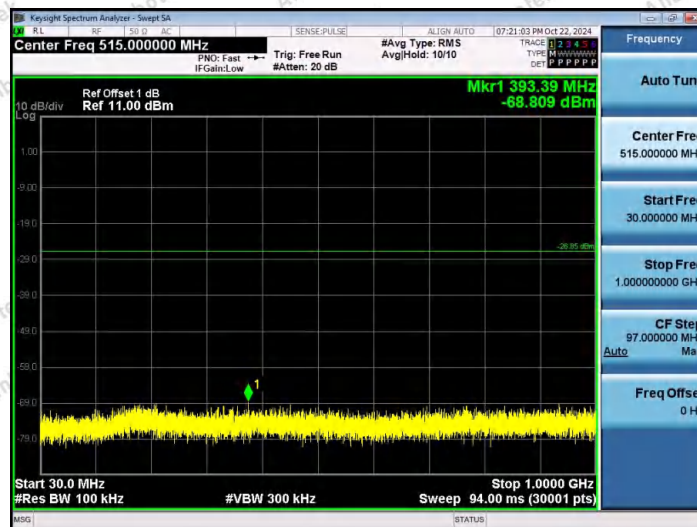


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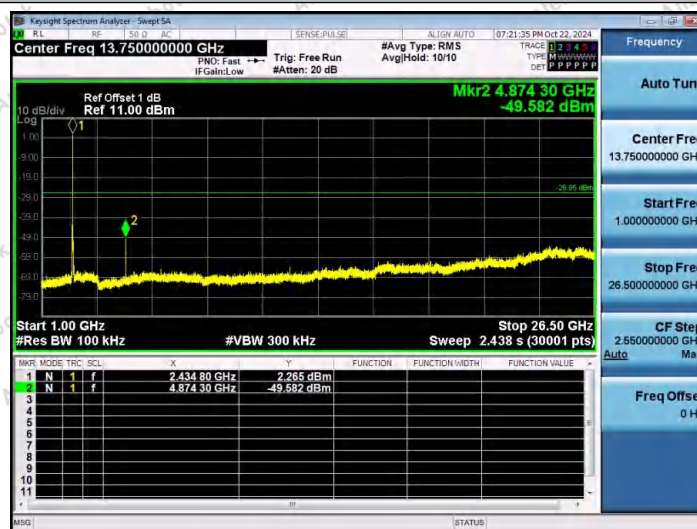




11B-Ant1-2437-0~Reference-PASS

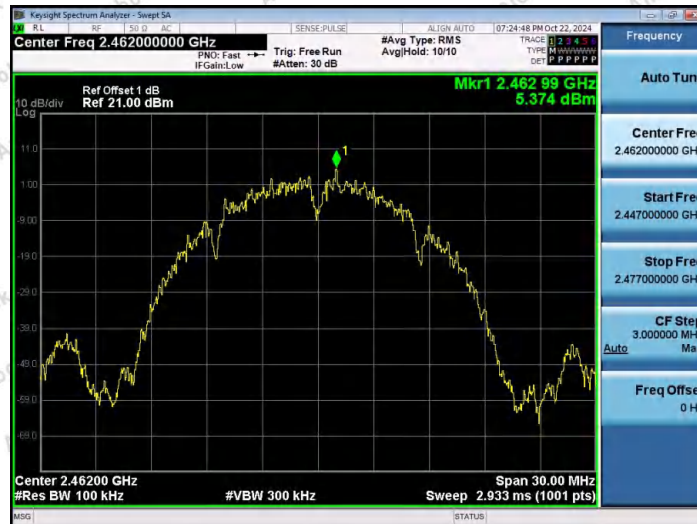


11B-Ant1-2437-30~1000-PASS

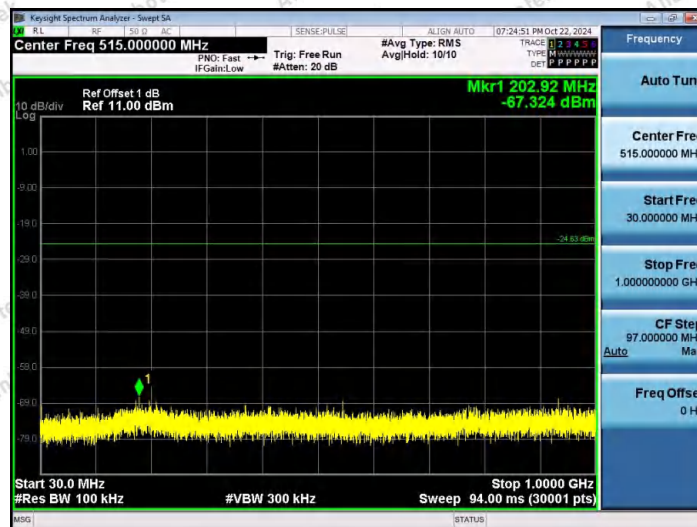


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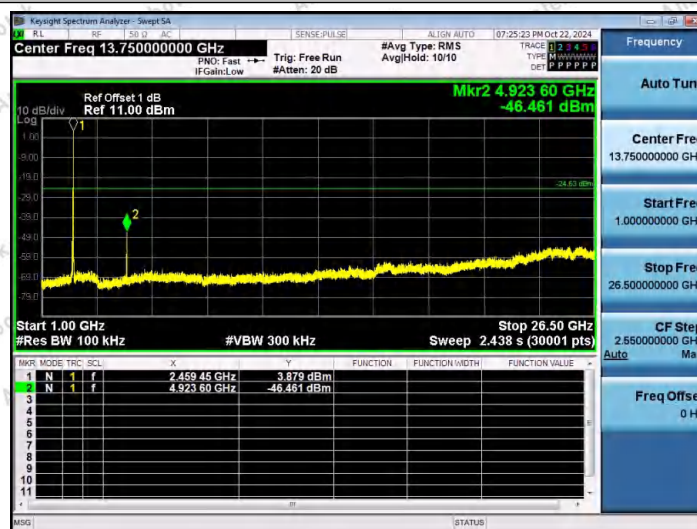




11B-Ant1-2462-0~Reference-PASS



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



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

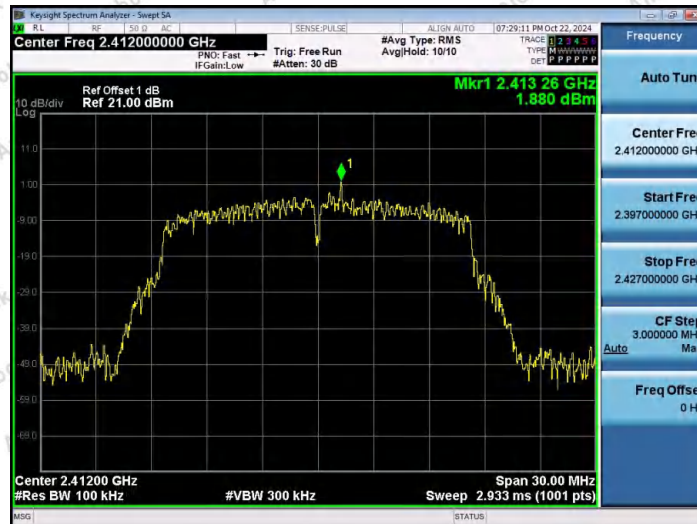
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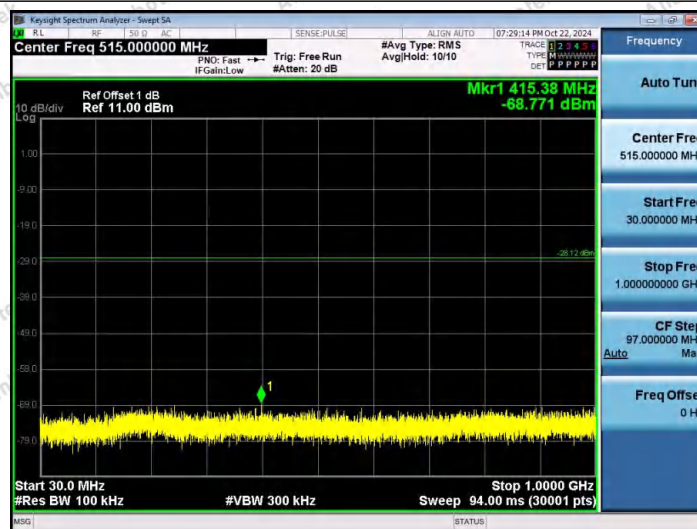


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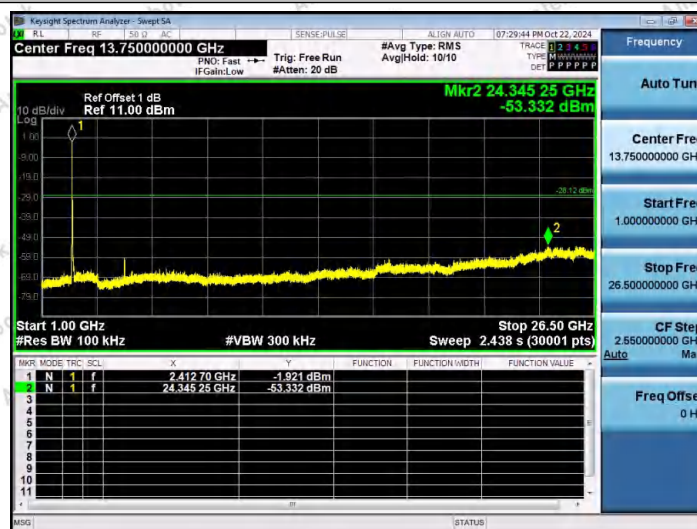




11G-Ant1-2412-0~Reference-PASS



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



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

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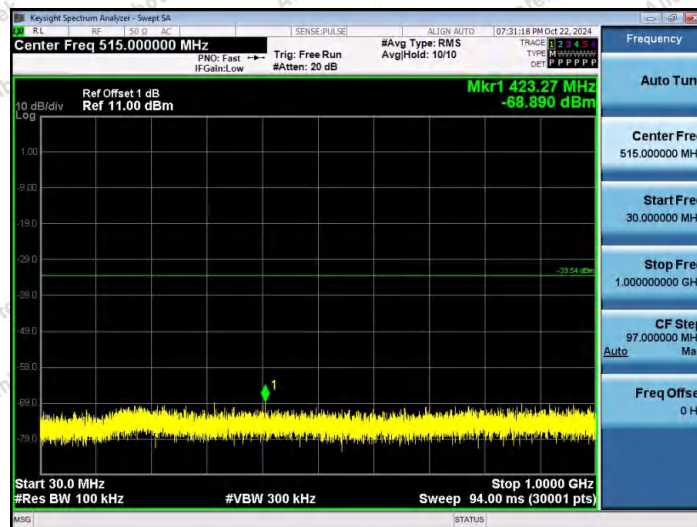


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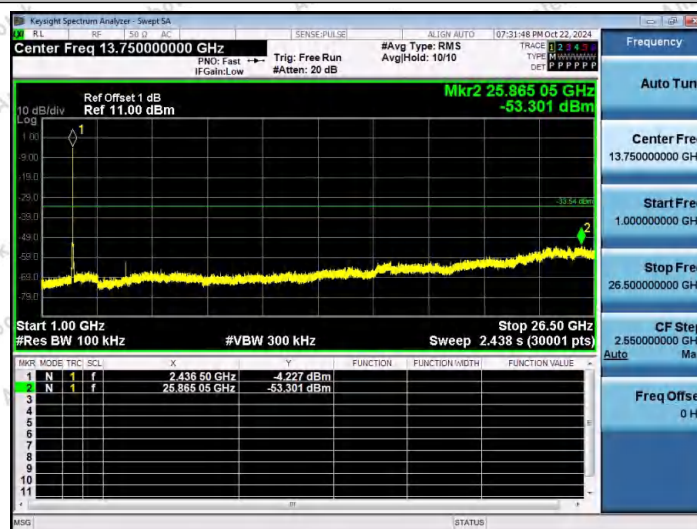




11G-Ant1-2437-0~Reference-PASS



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



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

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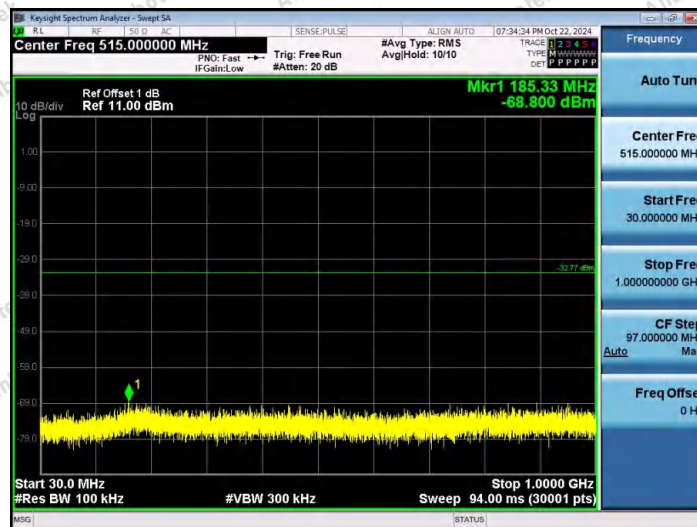


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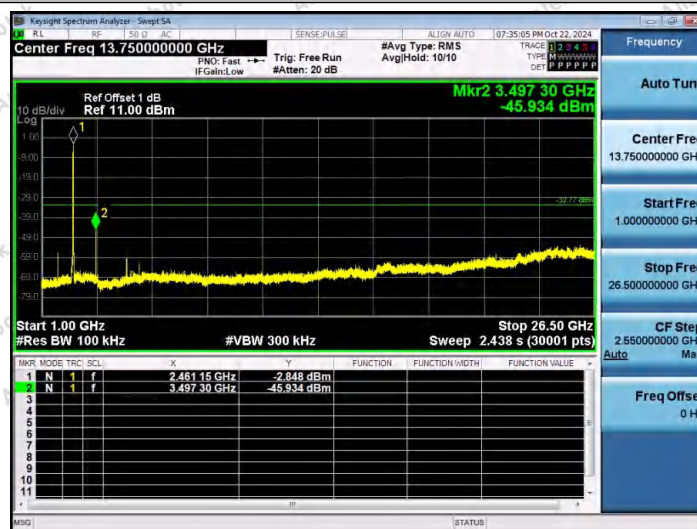




11G-Ant1-2462-0~Reference-PASS



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



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

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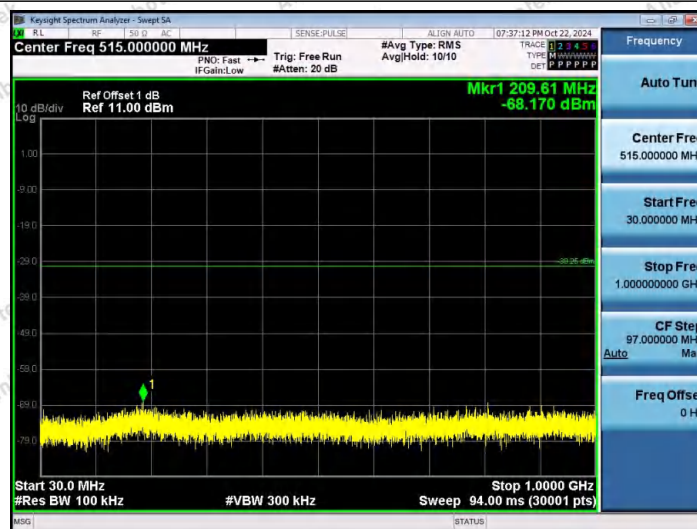


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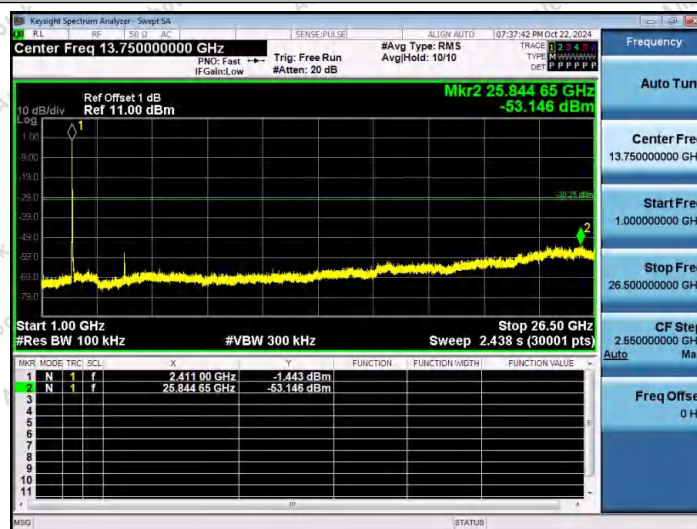




11N20SISO-Ant1-2412-0~Reference-PASS



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



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

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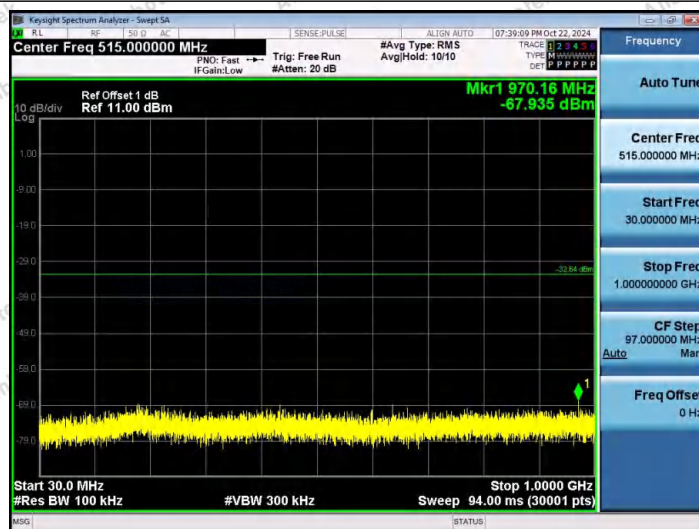


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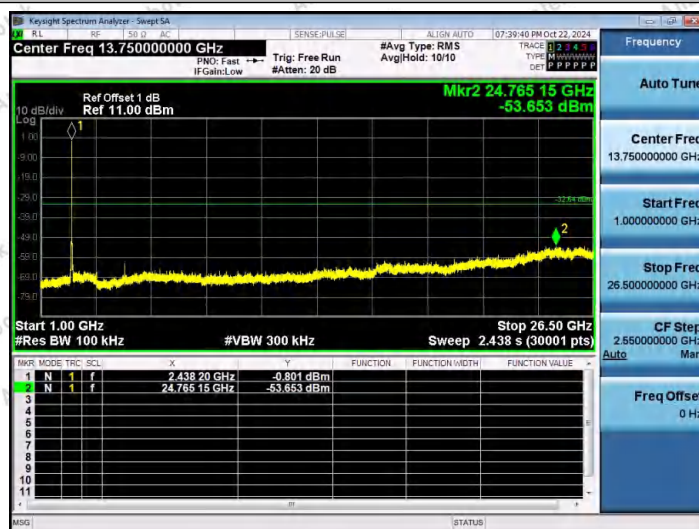




11N20SISO-Ant1-2437-0~Reference-PASS



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



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

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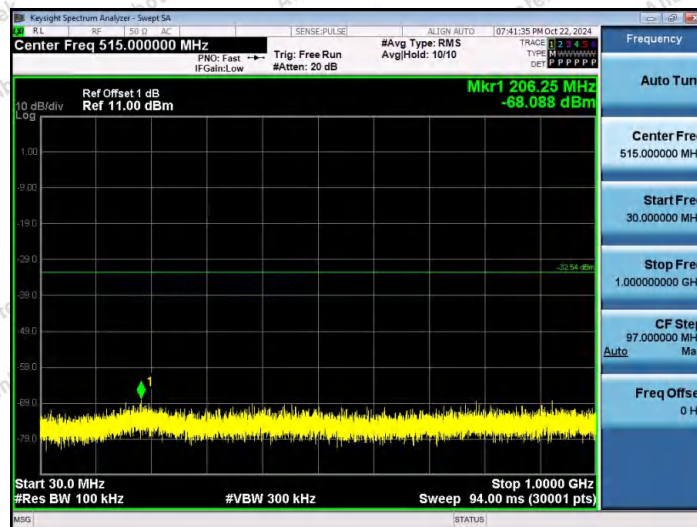


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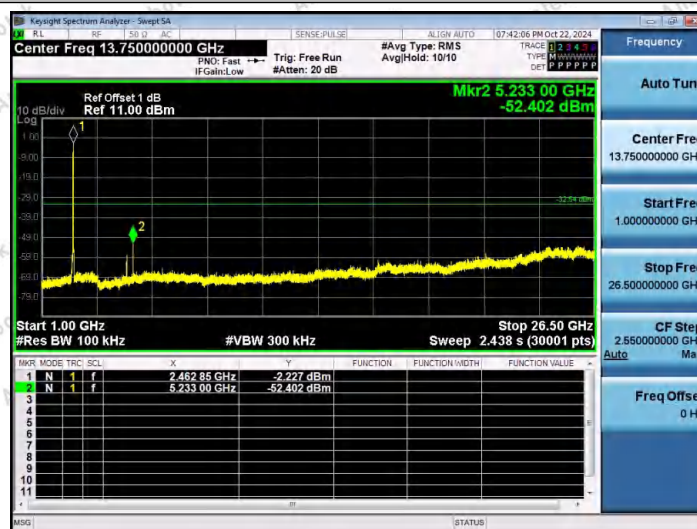




11N20SISO-Ant1-2462-0~Reference-PASS



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



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

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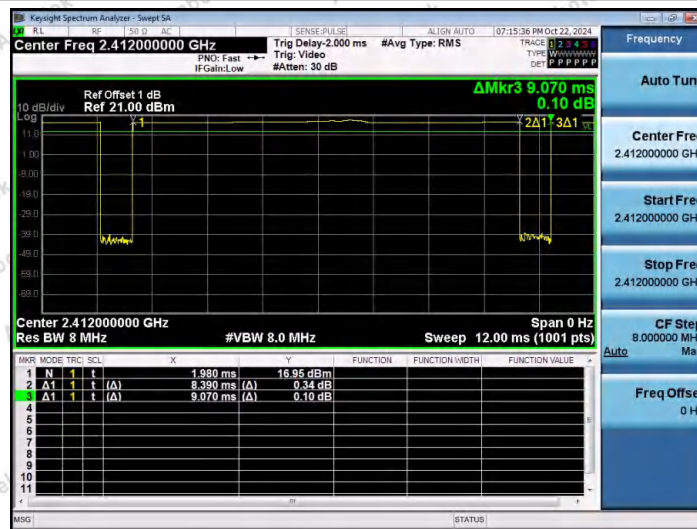
Appendix G: Duty Cycle

Test Result

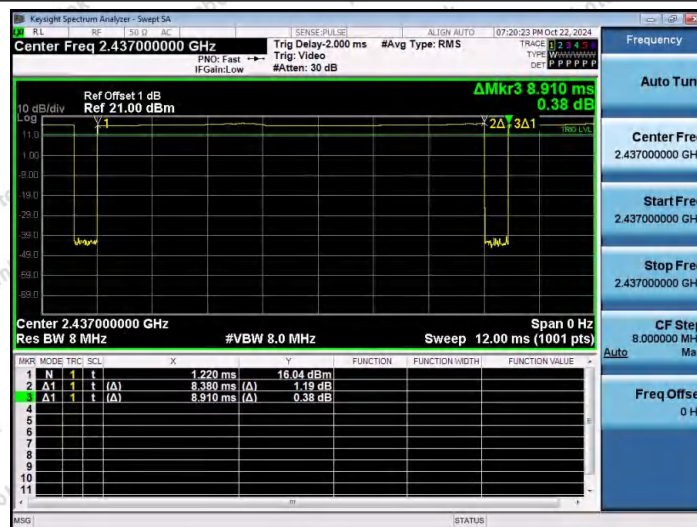
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor[db]
11B	Ant1	2412	8.39	9.07	92.50	0.34
11B	Ant1	2437	8.38	8.91	94.05	0.27
11B	Ant1	2462	8.38	8.90	94.16	0.26
11G	Ant1	2412	1.39	1.92	72.40	1.40
11G	Ant1	2437	1.39	1.93	72.02	1.43
11G	Ant1	2462	1.40	1.94	72.16	1.42
11N20SISO	Ant1	2412	1.30	1.85	70.27	1.53
11N20SISO	Ant1	2437	1.31	1.85	70.81	1.50
11N20SISO	Ant1	2462	1.30	1.84	70.65	1.51



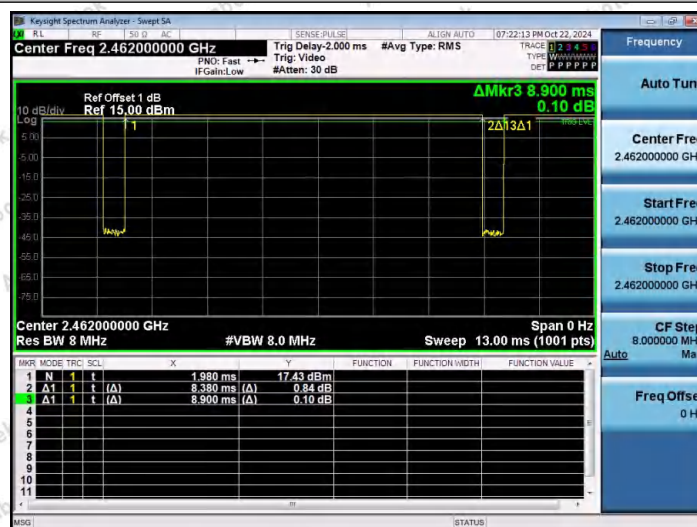
Test Graphs



NTNV-11B-Ant1-2412



NTNV-11B-Ant1-2437



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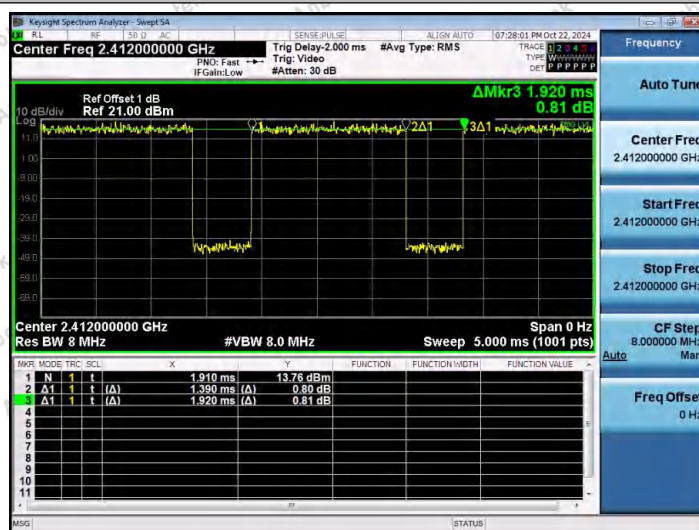
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
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Tel: (86) 0755-26066440 Email: service@anbotech.com



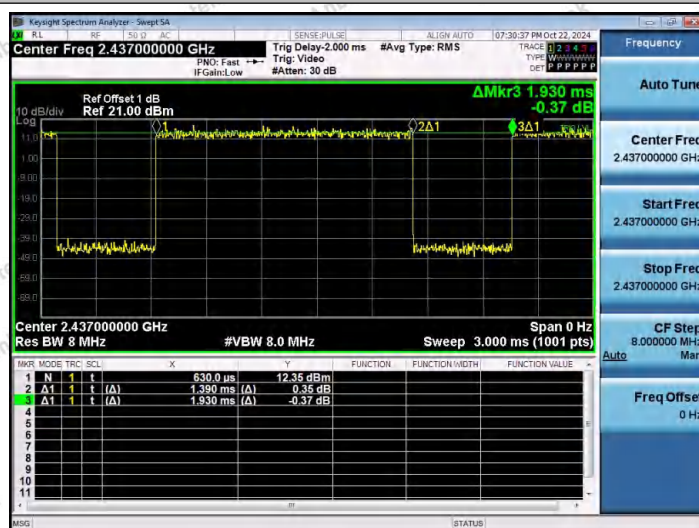
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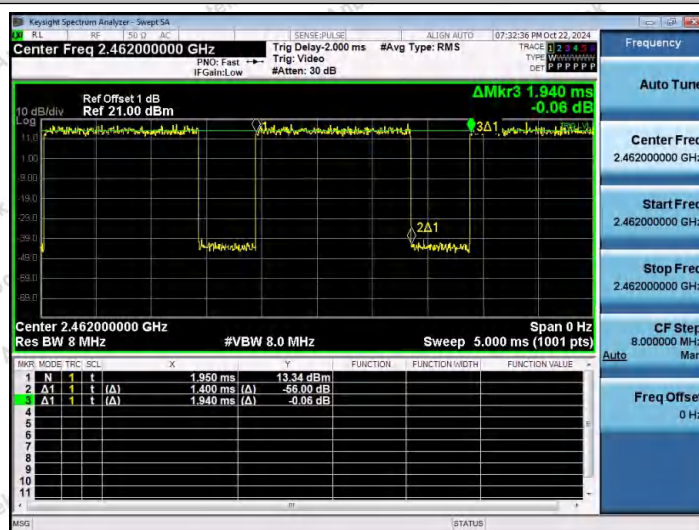
NTNV-11B-Ant1-2462



NTNV-11G-Ant1-2412



NTNV-11G-Ant1-2437



NTNV-11G-Ant1-2462

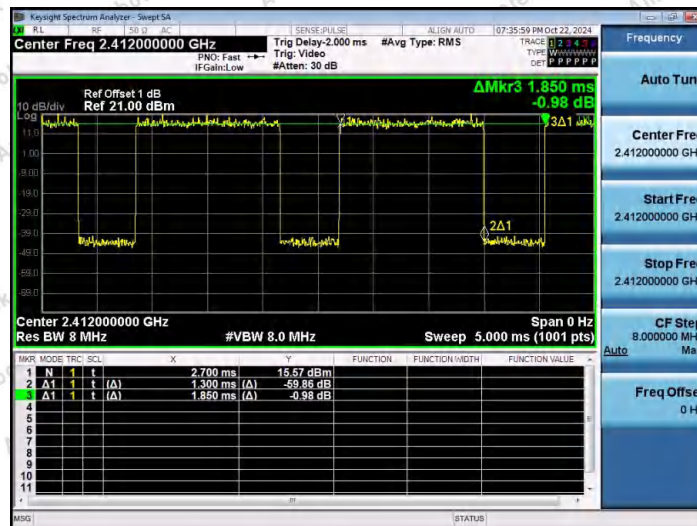
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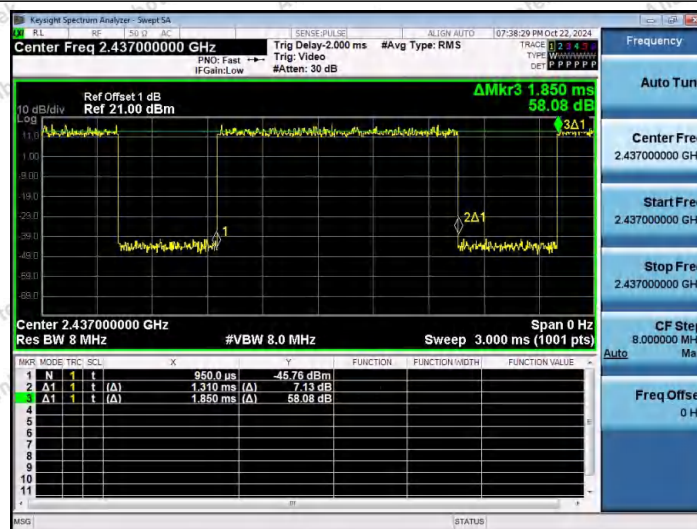


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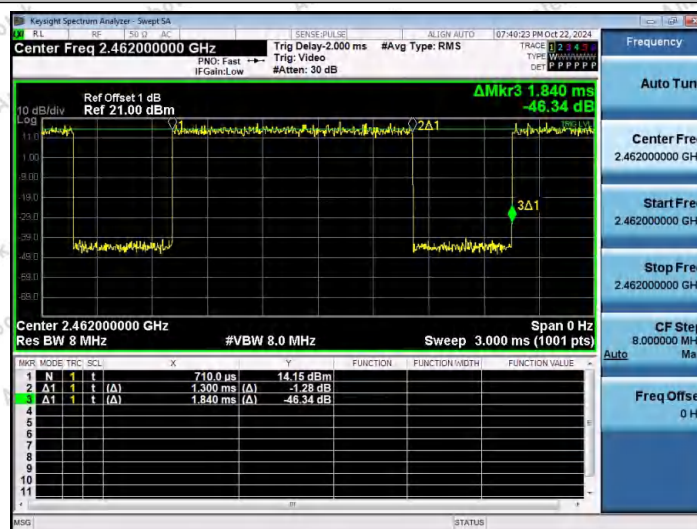




NTNV-11N20SISO-Ant1-2412



NTNV-11N20SISO-Ant1-2437



NTNV-11N20SISO-Ant1-2462

---End---

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