

Appendix Test Data

Report No.:	182512C400047102	Test Sample No.:	1-2-2
Start Test Date:	2024.6.12	Finish Test Date:	2024.6.19
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.3℃	Relative Humidity:	48%
Pressure:	101kPa		

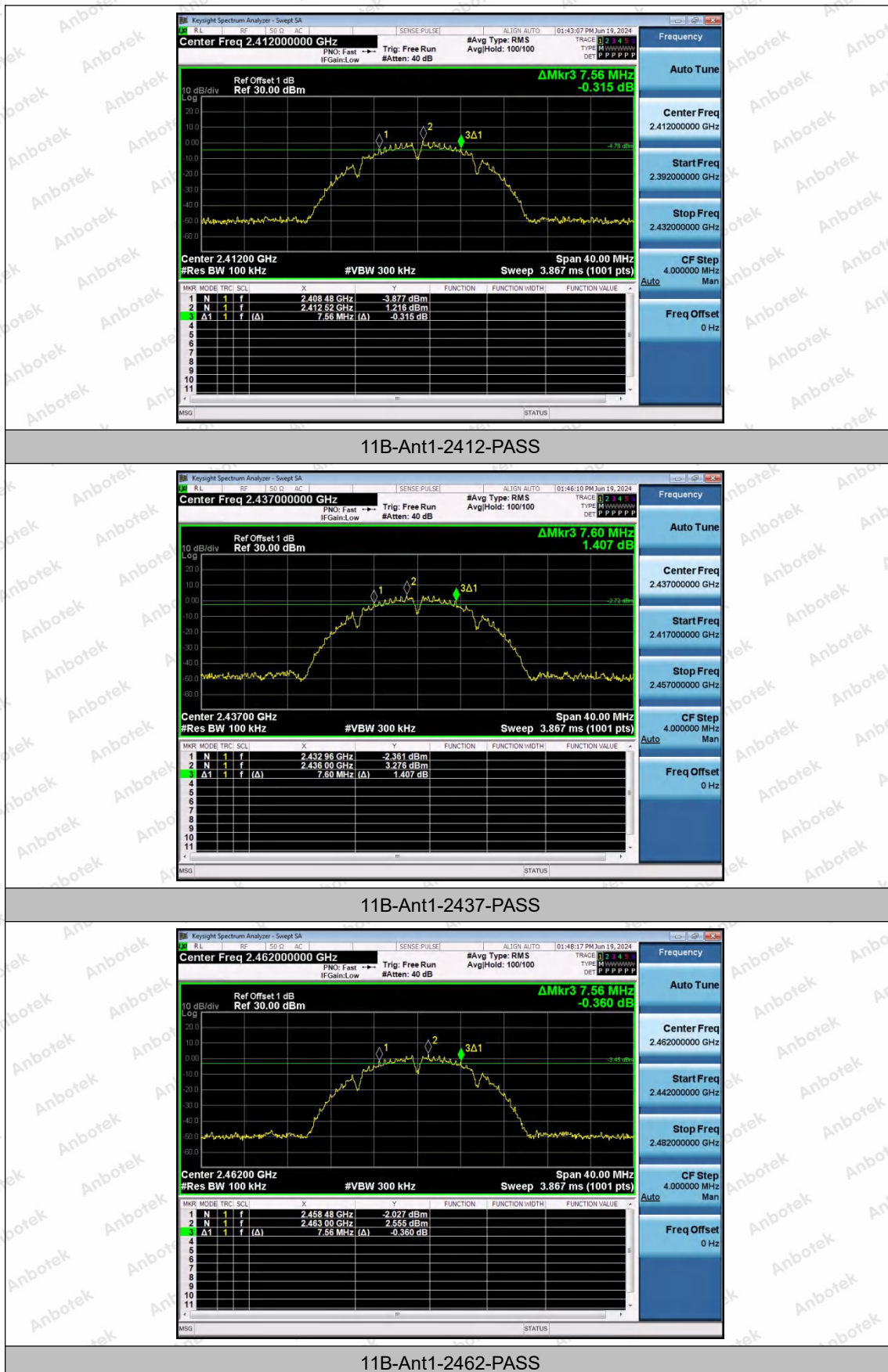
Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.560	2408.480	2416.040	0.5	PASS
11B	Ant1	2437	7.600	2432.960	2440.560	0.5	PASS
11B	Ant1	2462	7.560	2458.480	2466.040	0.5	PASS
11G	Ant1	2412	13.960	2405.680	2419.640	0.5	PASS
11G	Ant1	2437	15.320	2429.440	2444.760	0.5	PASS
11G	Ant1	2462	15.320	2454.440	2469.760	0.5	PASS
11N20SISO	Ant1	2412	16.320	2404.440	2420.760	0.5	PASS
11N20SISO	Ant1	2437	15.080	2429.480	2444.560	0.5	PASS
11N20SISO	Ant1	2462	15.080	2454.440	2469.520	0.5	PASS



Test Graphs



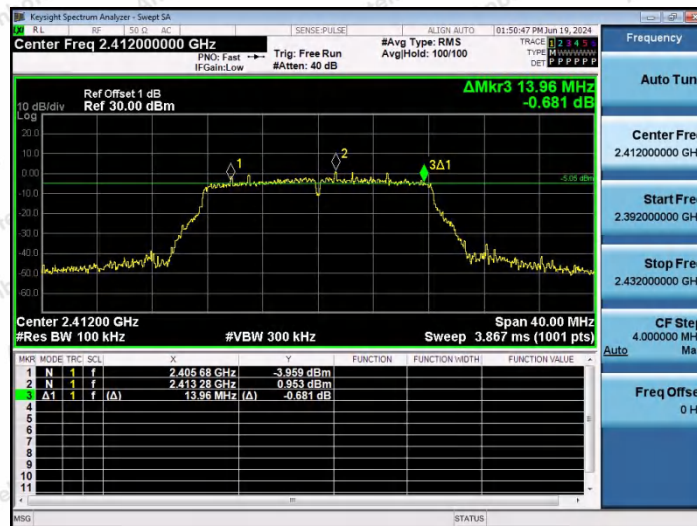
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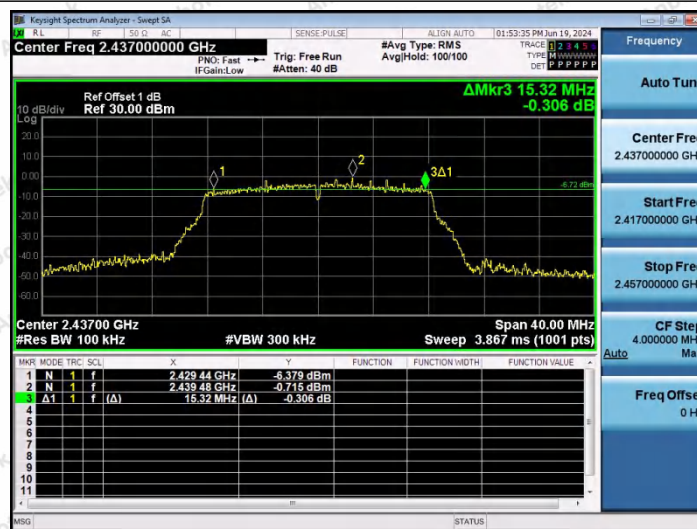


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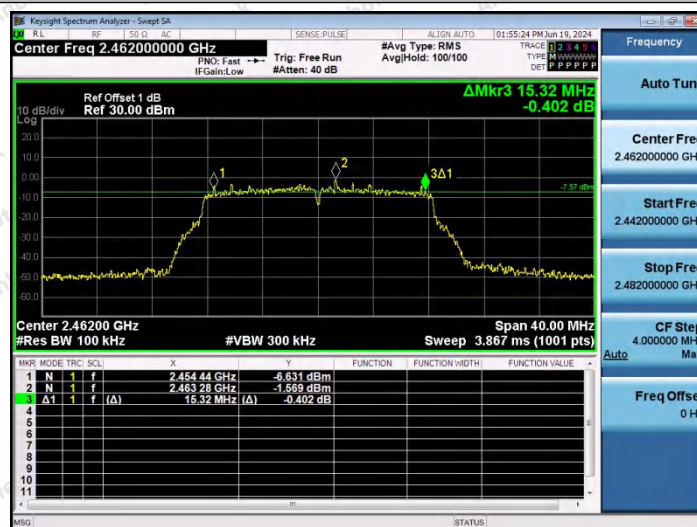




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



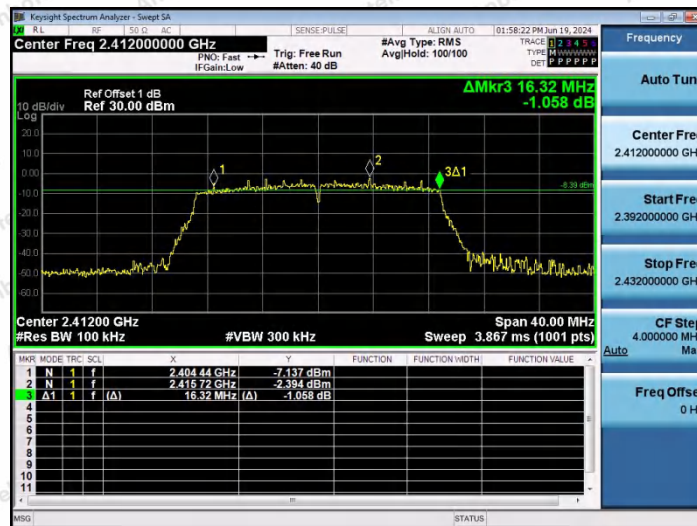
11G-Ant1-2462-PASS

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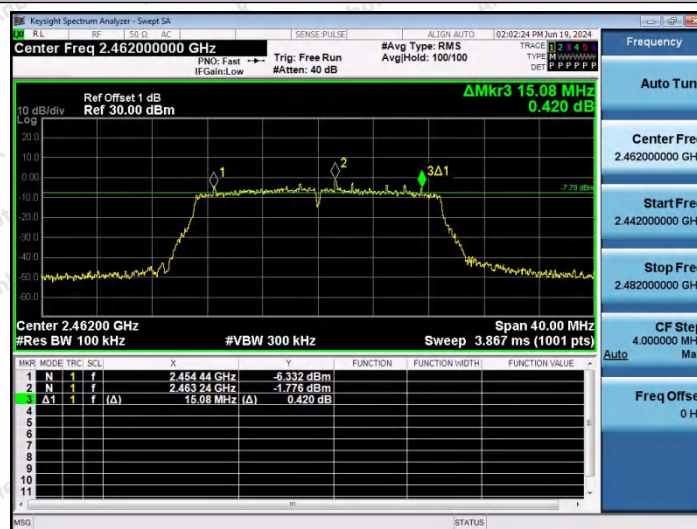




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

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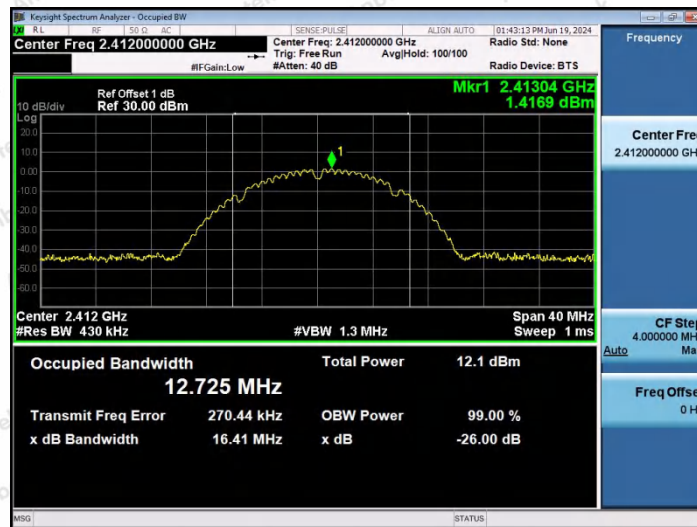
Appendix B: 99% Occupied Bandwidth

Test Result

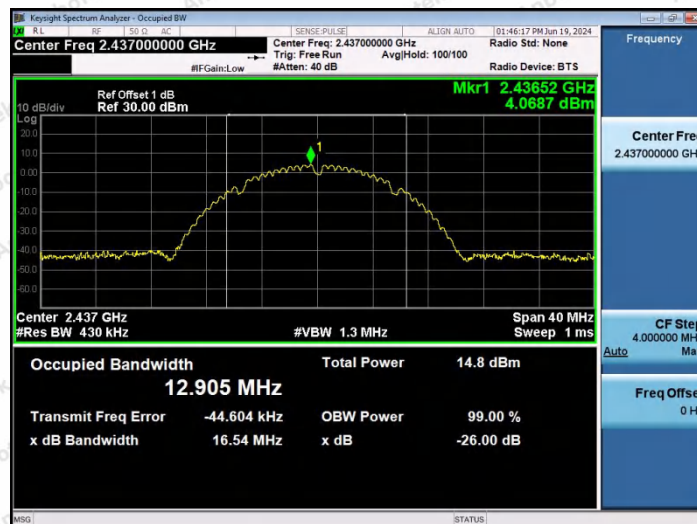
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.725	2405.9079	2418.6329	---	---
11B	Ant1	2437	12.905	2430.5029	2443.4079	---	---
11B	Ant1	2462	12.668	2455.8543	2468.5223	---	---
11G	Ant1	2412	16.815	2403.6772	2420.4922	---	---
11G	Ant1	2437	16.865	2428.6364	2445.5014	---	---
11G	Ant1	2462	16.867	2453.6142	2470.4812	---	---
11N20SISO	Ant1	2412	17.915	2403.1588	2421.0738	---	---
11N20SISO	Ant1	2437	17.806	2428.1915	2445.9975	---	---
11N20SISO	Ant1	2462	17.820	2453.1187	2470.9387	---	---



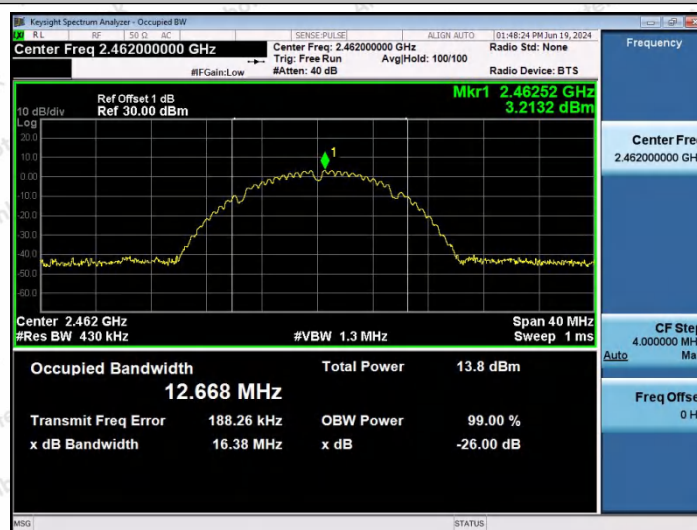
Test Graphs



11B-Ant1-2412



11B-Ant1-2437



11B-Ant1-2462

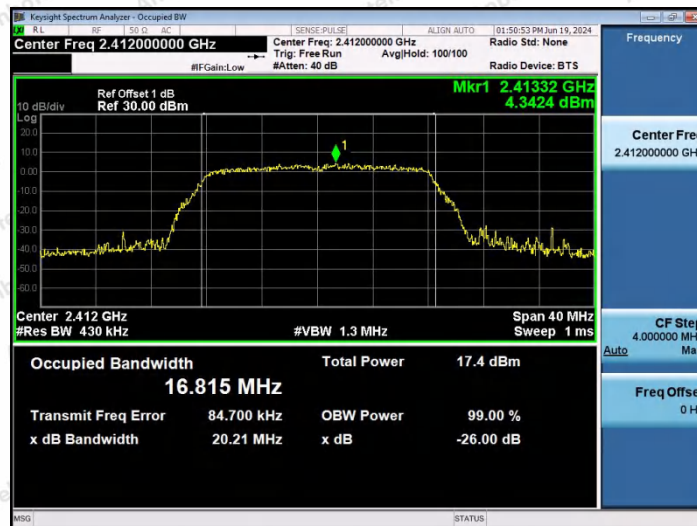
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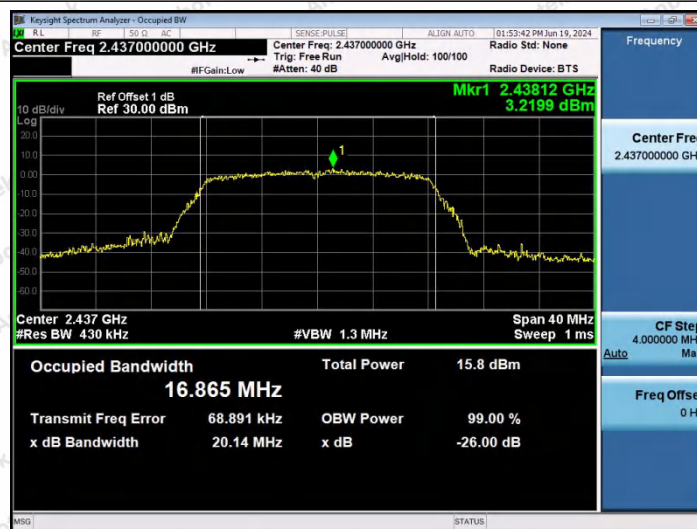


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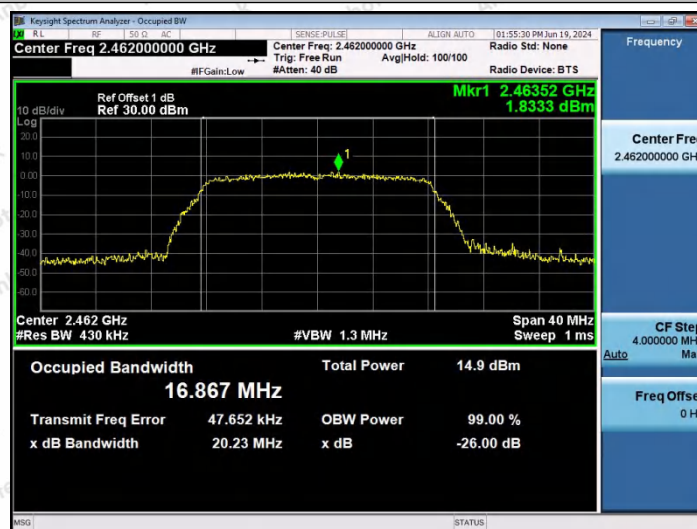




11G-Ant1-2412



11G-Ant1-2437



11G-Ant1-2462

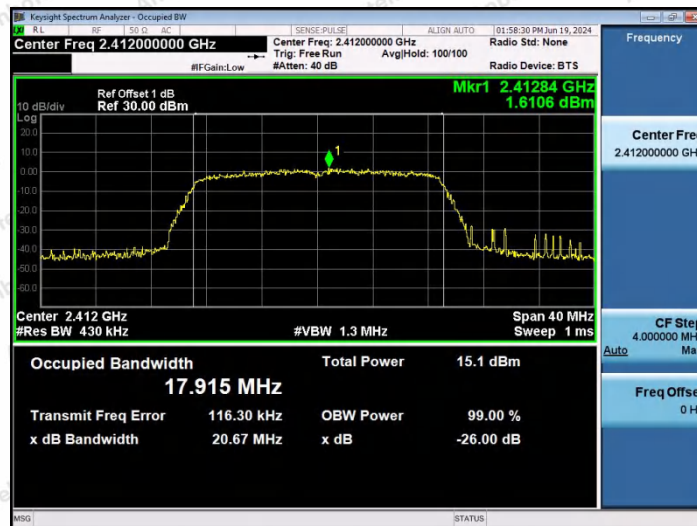
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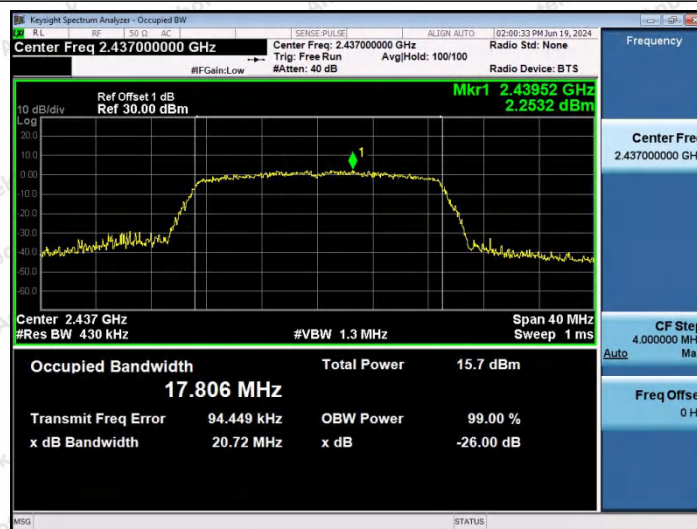


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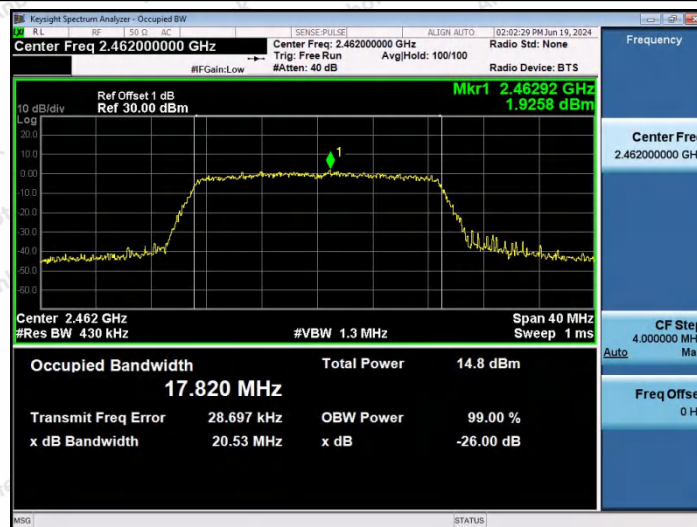




11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



11N20SISO-Ant1-2462

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Appendix C: Maximum output power

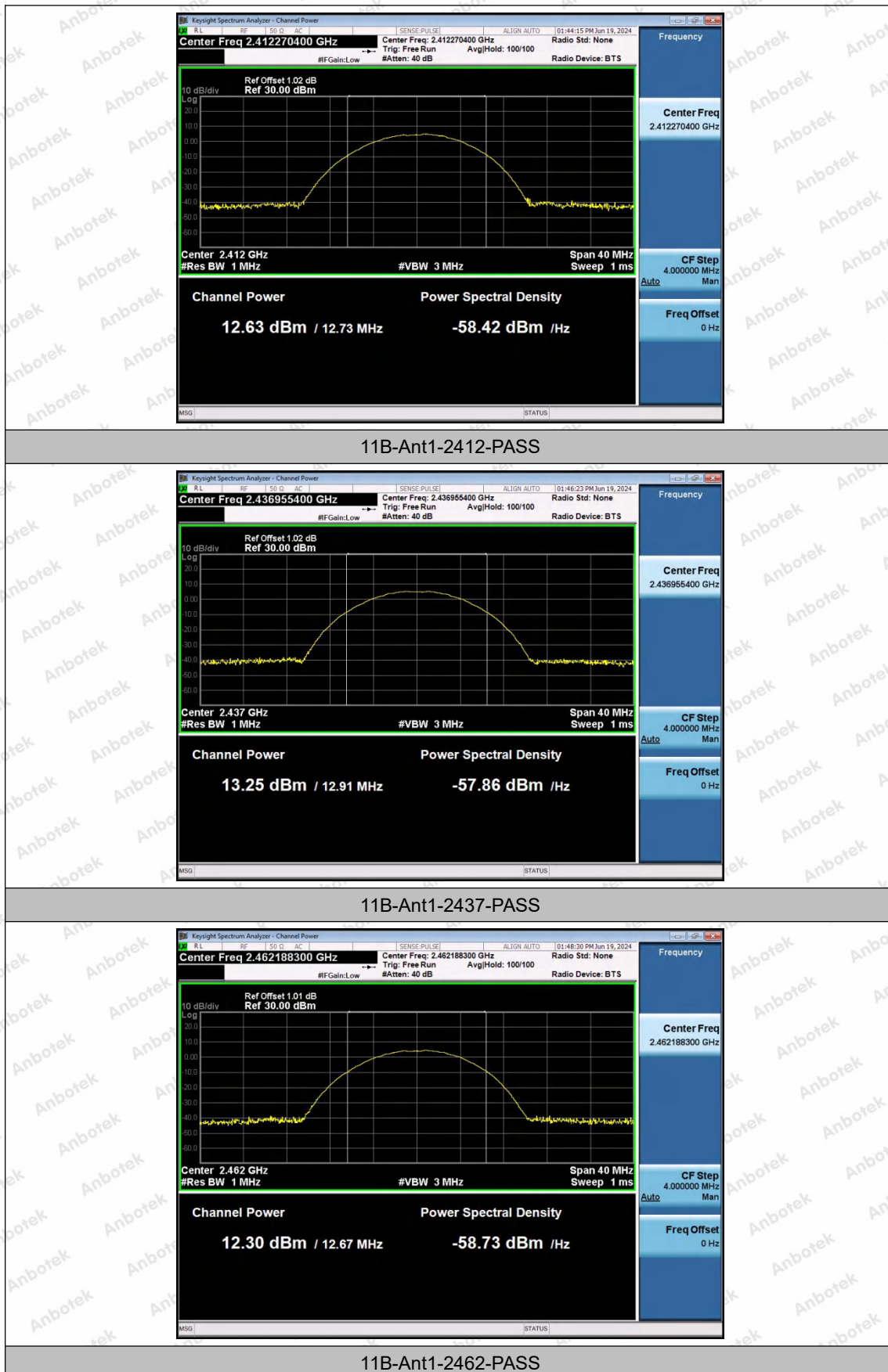
Test Result

Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	12.61	99.64	0.02	12.63	≤30.00	PASS
11B	Ant1	2437	13.23	99.64	0.02	13.25	≤30.00	PASS
11B	Ant1	2462	12.29	99.76	0.01	12.30	≤30.00	PASS
11G	Ant1	2412	13.63	97.20	0.12	13.75	≤30.00	PASS
11G	Ant1	2437	14.19	97.20	0.12	14.31	≤30.00	PASS
11G	Ant1	2462	13.23	97.20	0.12	13.35	≤30.00	PASS
11N20SISO	Ant1	2412	13.44	97.01	0.13	13.57	≤30.00	PASS
11N20SISO	Ant1	2437	14.12	97.01	0.13	14.25	≤30.00	PASS
11N20SISO	Ant1	2462	13.13	97.74	0.10	13.23	≤30.00	PASS

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



Test Graphs



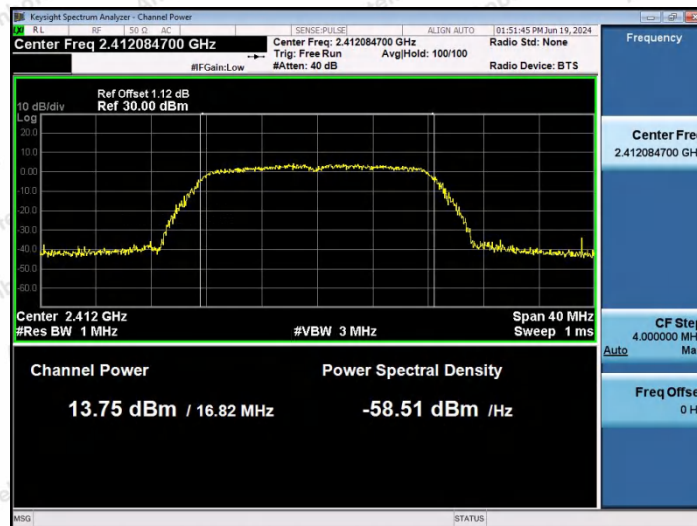
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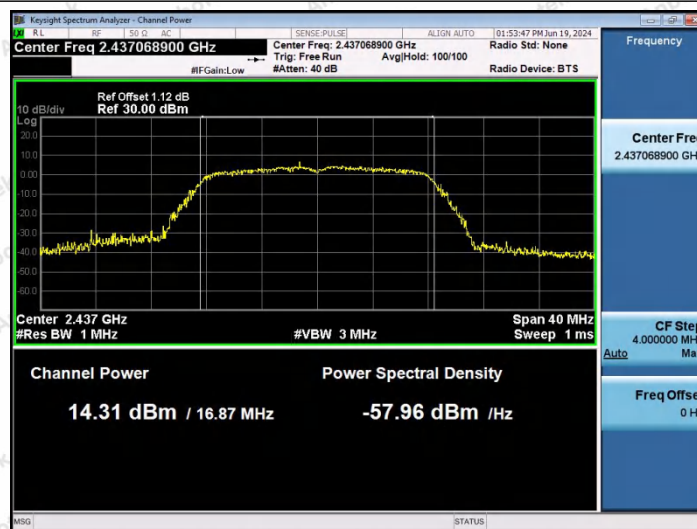


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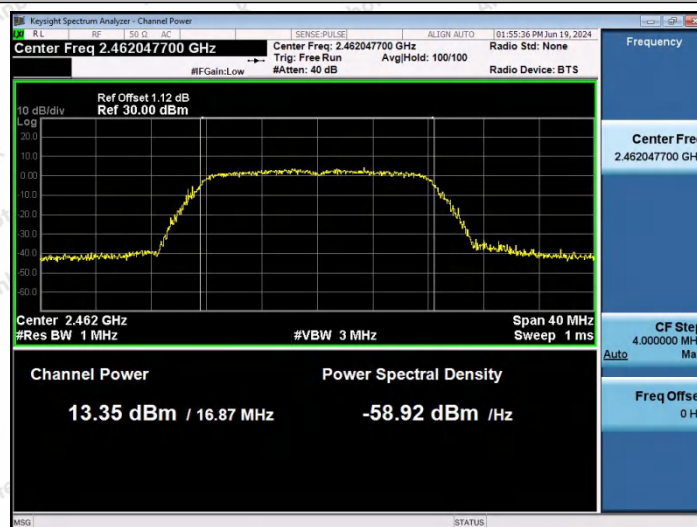




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

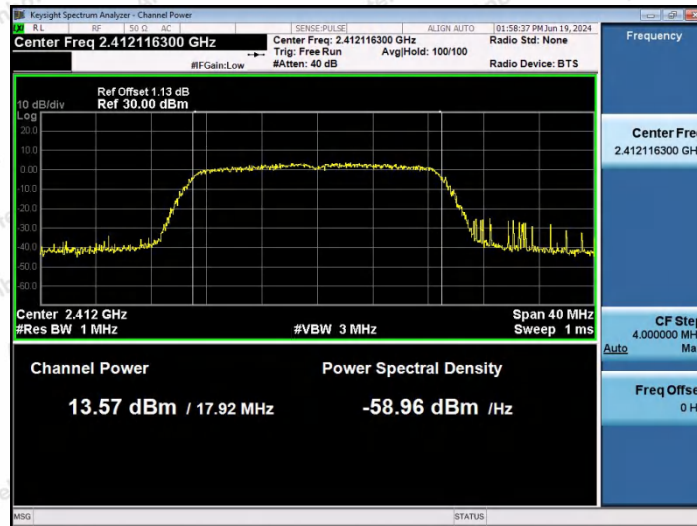
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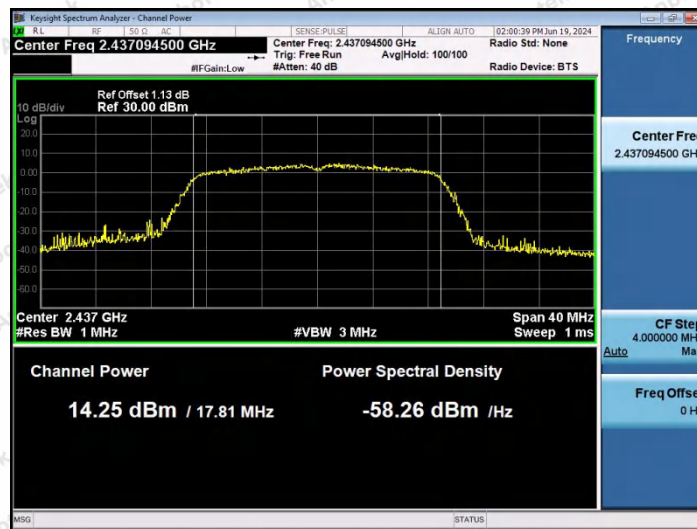


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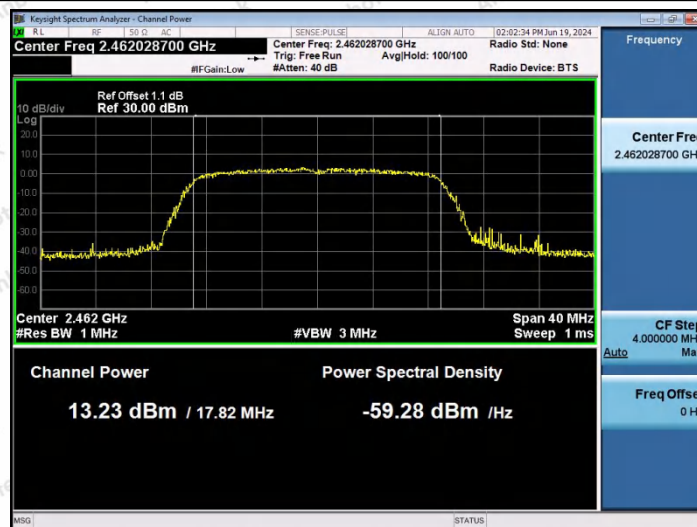




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.82	-19.82	≤8.00	PASS
11B	Ant1	2437	-9.57	-19.57	≤8.00	PASS
11B	Ant1	2462	-10.20	-20.2	≤8.00	PASS
11G	Ant1	2412	-14.39	-24.39	≤8.00	PASS
11G	Ant1	2437	-13.54	-23.54	≤8.00	PASS
11G	Ant1	2462	-14.93	-24.93	≤8.00	PASS
11N20SIS O	Ant1	2412	-14.83	-24.83	≤8.00	PASS
11N20SIS O	Ant1	2437	-14.11	-24.11	≤8.00	PASS
11N20SIS O	Ant1	2462	-14.43	-24.43	≤8.00	PASS

Note:

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



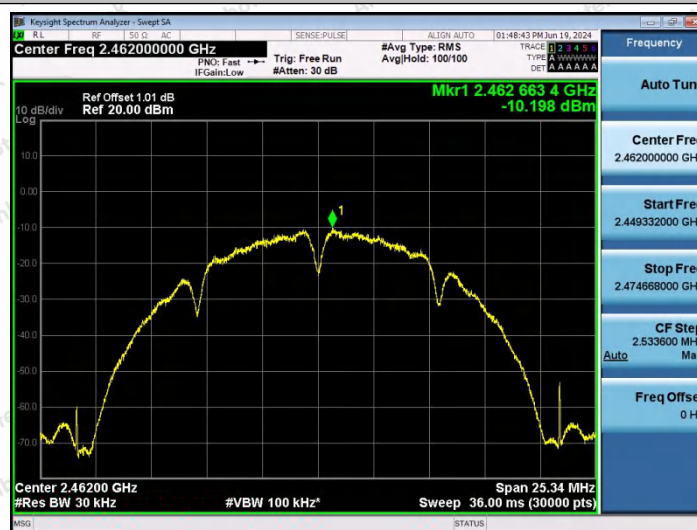
Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



11B-Ant1-2462-PASS

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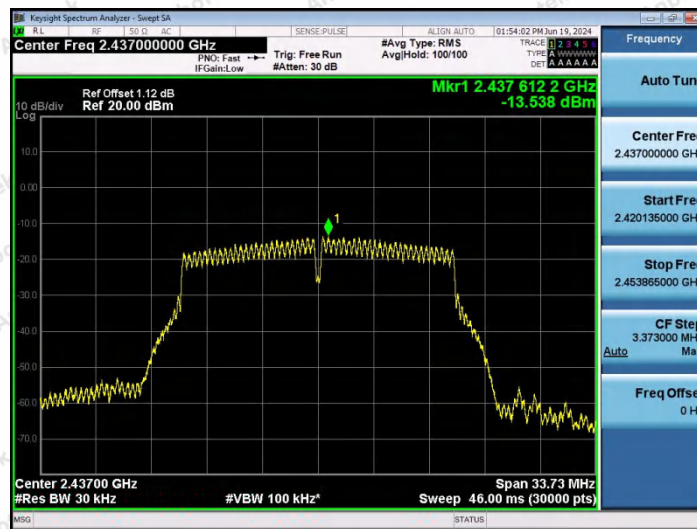


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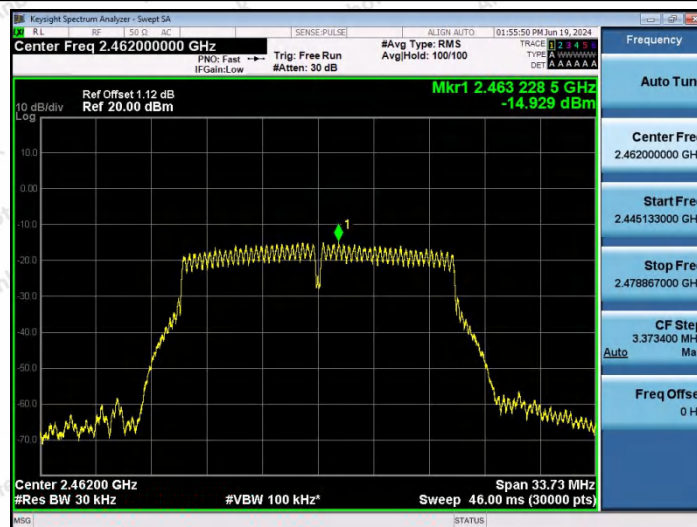




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

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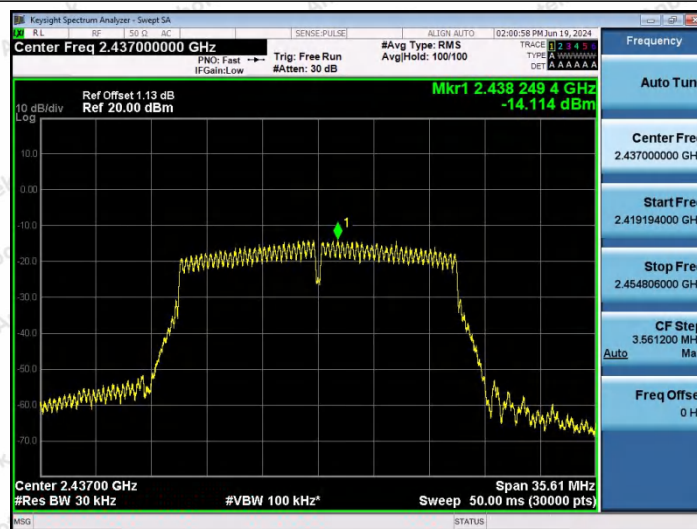


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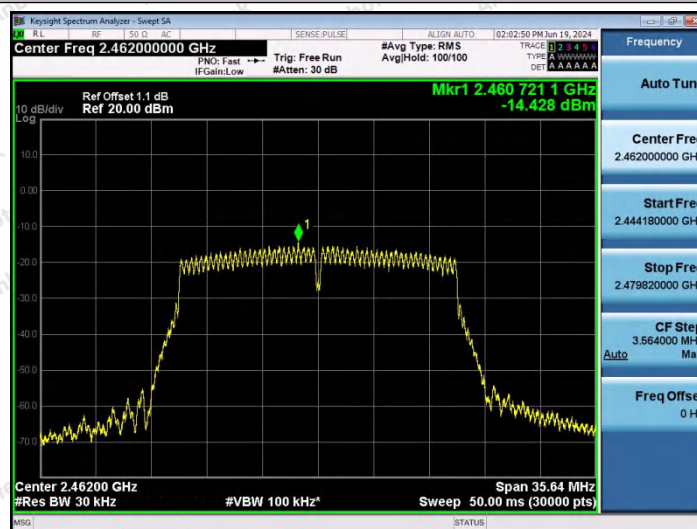




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

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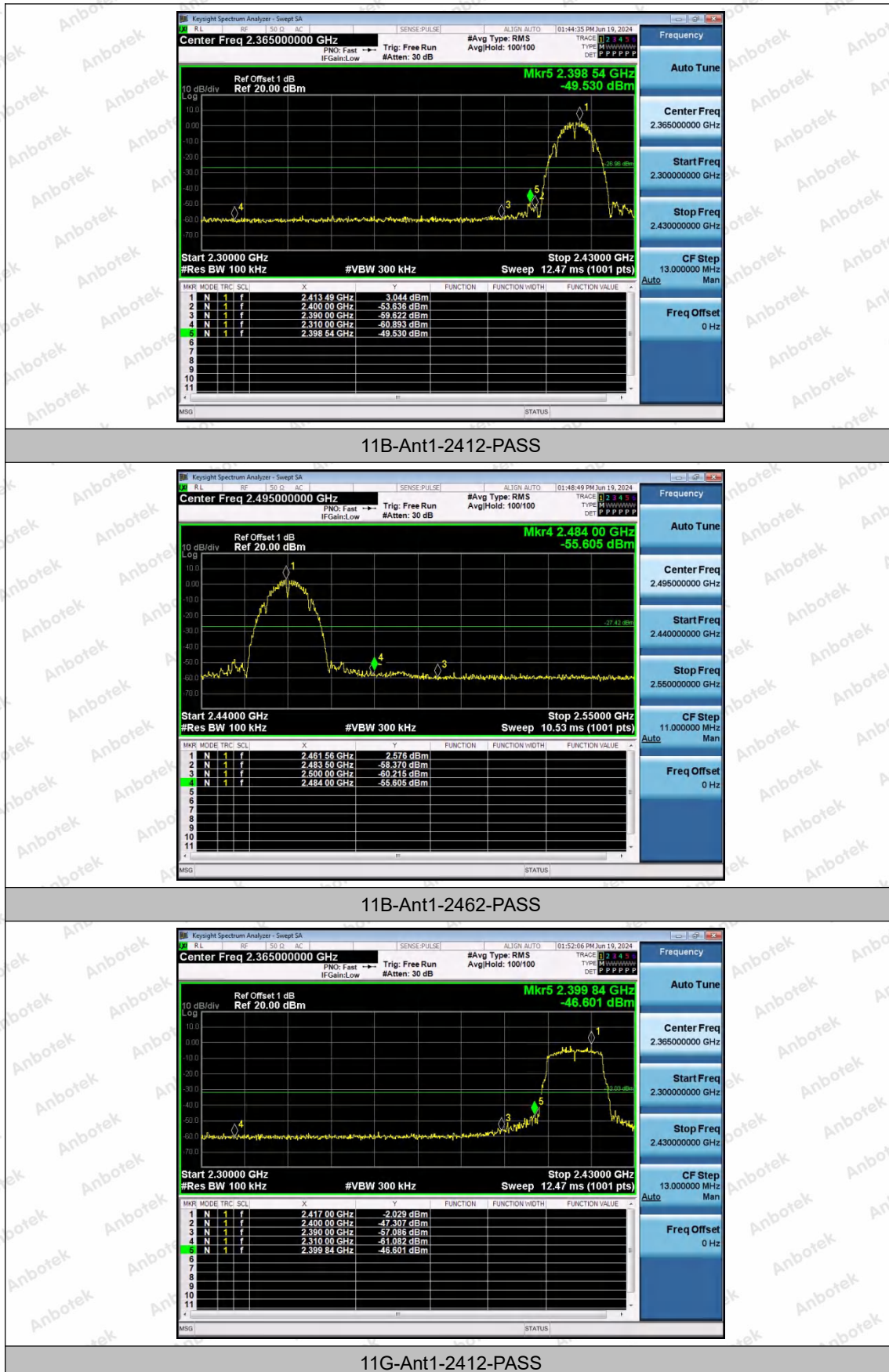
Appendix E: Conducted Band edge

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.04	-49.53	≤-26.96	PASS
11B	Ant1	High	2462	2.58	-55.61	≤-27.42	PASS
11G	Ant1	Low	2412	-2.03	-46.6	≤-32.03	PASS
11G	Ant1	High	2462	-2.79	-52.33	≤-32.79	PASS
11N20SISO	Ant1	Low	2412	-1.07	-44.53	≤-31.07	PASS
11N20SISO	Ant1	High	2462	-1.47	-51.79	≤-31.47	PASS



Test Graphs



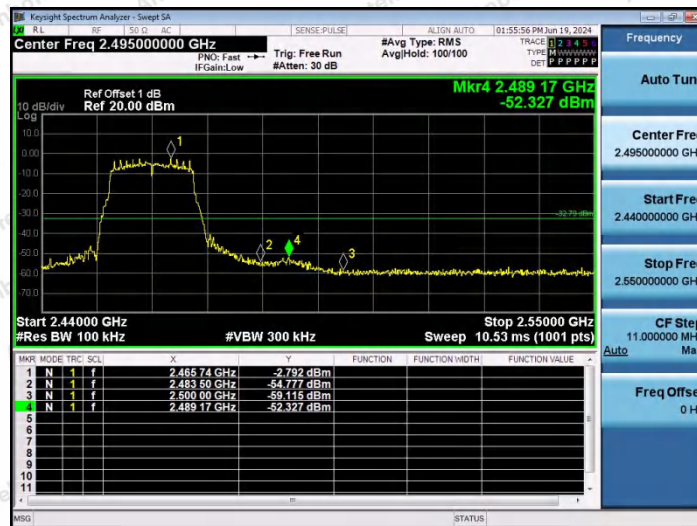
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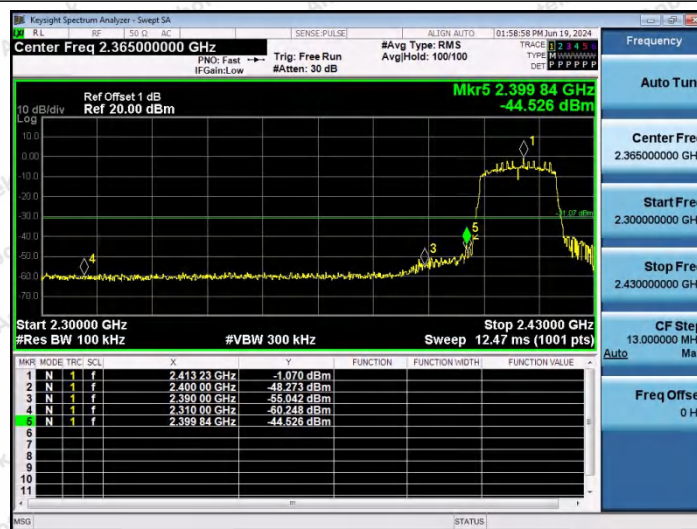


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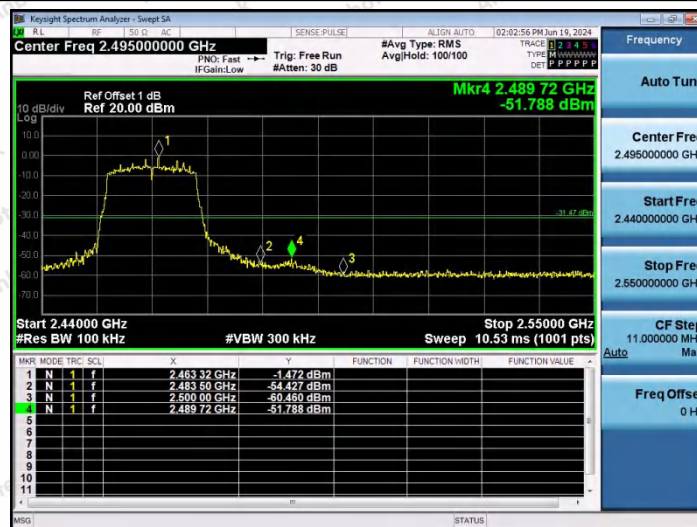




11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

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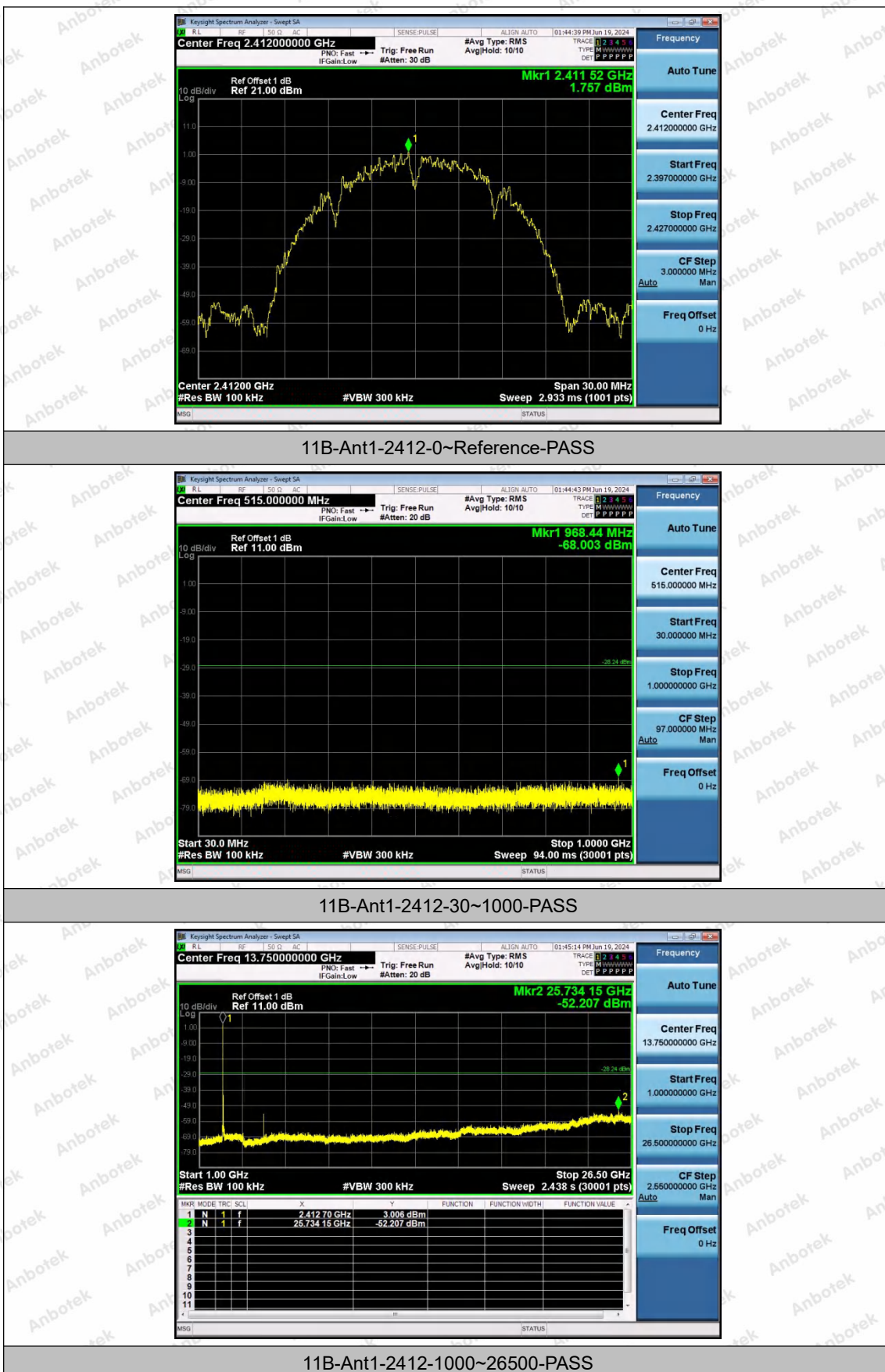
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	1.76	1.76	---	PASS
11B	Ant1	2412	30~1000	1.76	-68	≤-28.24	PASS
11B	Ant1	2412	1000~26500	1.76	-52.21	≤-28.24	PASS
11B	Ant1	2437	0~Reference	1.71	1.71	---	PASS
11B	Ant1	2437	30~1000	1.71	-69.04	≤-28.29	PASS
11B	Ant1	2437	1000~26500	1.71	-49.8	≤-28.29	PASS
11B	Ant1	2462	0~Reference	1.83	1.83	---	PASS
11B	Ant1	2462	30~1000	1.83	-68.7	≤-28.17	PASS
11B	Ant1	2462	1000~26500	1.83	-53.49	≤-28.17	PASS
11G	Ant1	2412	0~Reference	-4.57	-4.57	---	PASS
11G	Ant1	2412	30~1000	-4.57	-68.59	≤-34.57	PASS
11G	Ant1	2412	1000~26500	-4.57	-46.6	≤-34.57	PASS
11G	Ant1	2437	0~Reference	-0.86	-0.86	---	PASS
11G	Ant1	2437	30~1000	-0.86	-68.93	≤-30.86	PASS
11G	Ant1	2437	1000~26500	-0.86	-54.04	≤-30.86	PASS
11G	Ant1	2462	0~Reference	-2.55	-2.55	---	PASS
11G	Ant1	2462	30~1000	-2.55	-68.74	≤-32.55	PASS
11G	Ant1	2462	1000~26500	-2.55	-53.73	≤-32.55	PASS
11N20SISO	Ant1	2412	0~Reference	-1.96	-1.96	---	PASS
11N20SISO	Ant1	2412	30~1000	-1.96	-68.79	≤-31.96	PASS
11N20SISO	Ant1	2412	1000~26500	-1.96	-53.64	≤-31.96	PASS
11N20SISO	Ant1	2437	0~Reference	-3.78	-3.78	---	PASS
11N20SISO	Ant1	2437	30~1000	-3.78	-68.8	≤-33.78	PASS
11N20SISO	Ant1	2437	1000~26500	-3.78	-53.46	≤-33.78	PASS
11N20SISO	Ant1	2462	0~Reference	-5.22	-5.22	---	PASS
11N20SISO	Ant1	2462	30~1000	-5.22	-68.56	≤-35.22	PASS
11N20SISO	Ant1	2462	1000~26500	-5.22	-53.52	≤-35.22	PASS



Test Graphs



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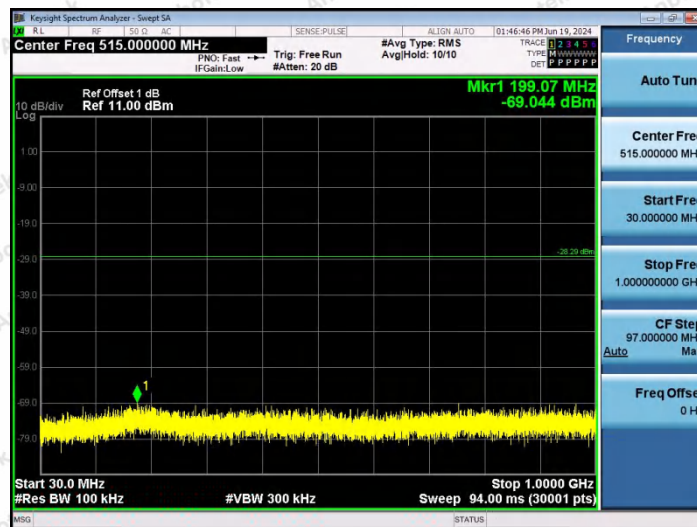


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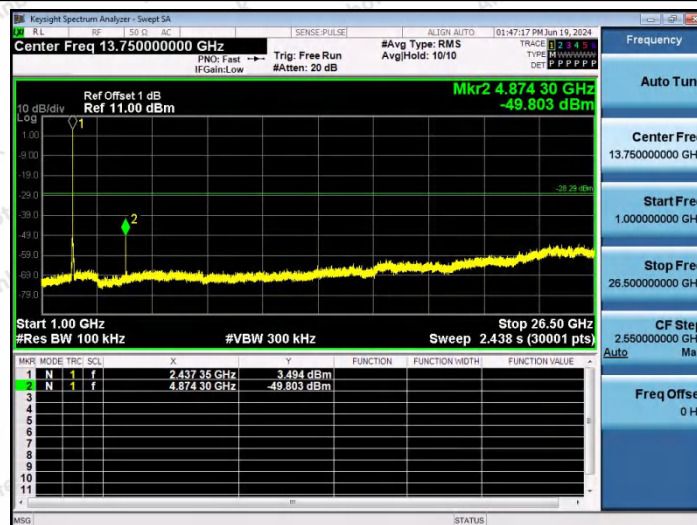




11B-Ant1-2437-0~Reference-PASS



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



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

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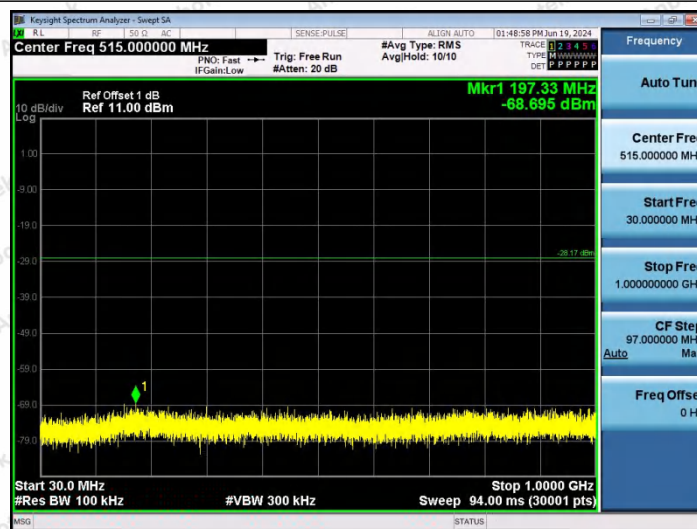


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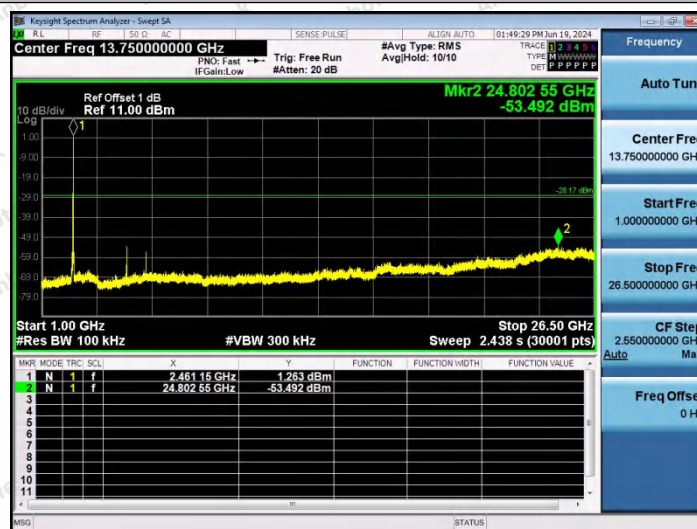




11B-Ant1-2462-0~Reference-PASS



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



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

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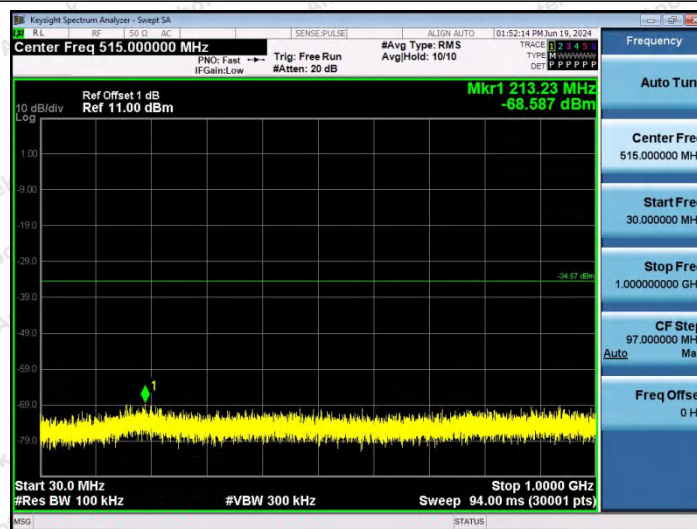


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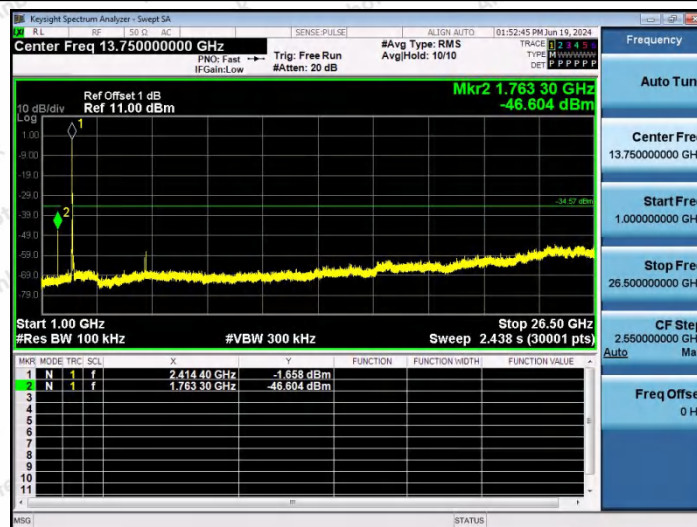




11G-Ant1-2412-0~Reference-PASS



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



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

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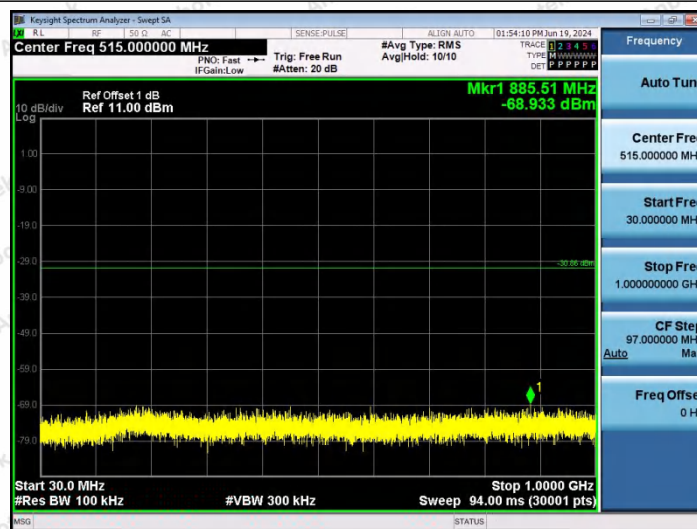


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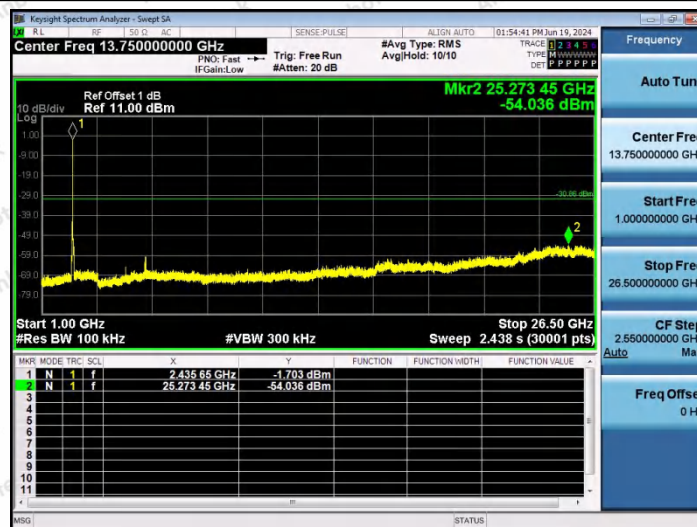




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11G-Ant1-2437-30~1000-PASS



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

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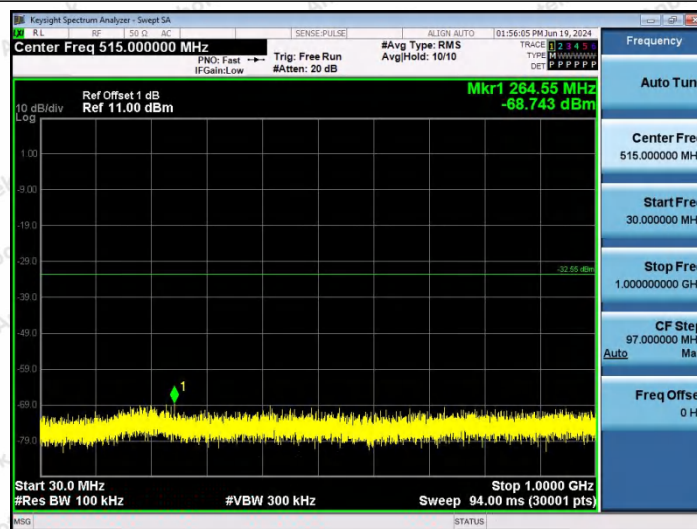


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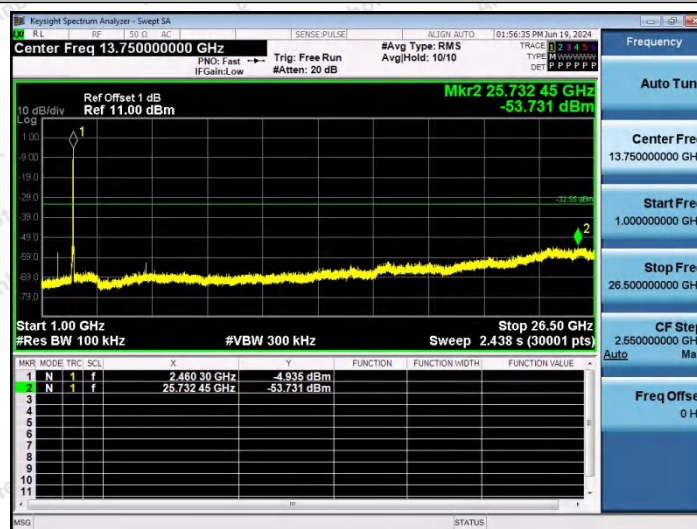




11G-Ant1-2462-0~Reference-PASS



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



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

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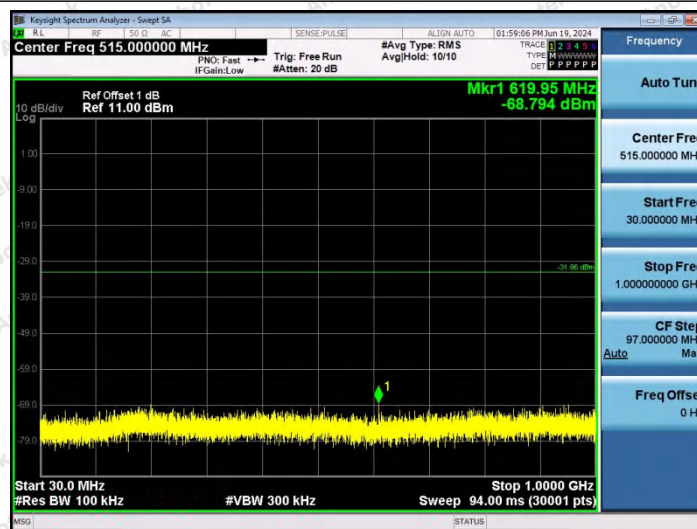


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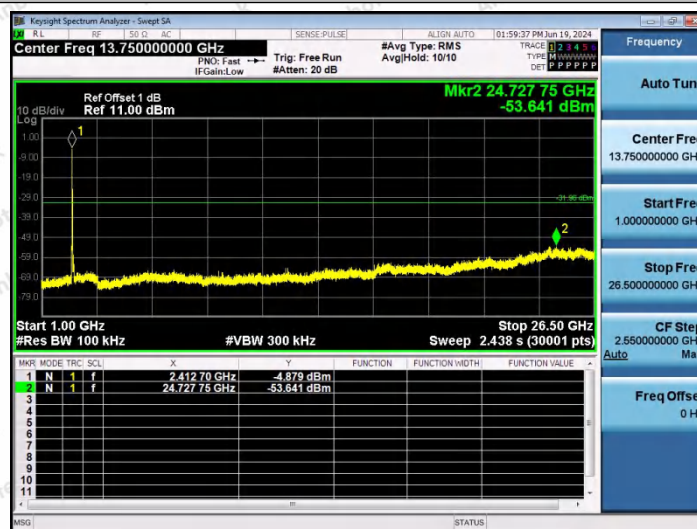




11N20SISO-Ant1-2412-0~Reference-PASS



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



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

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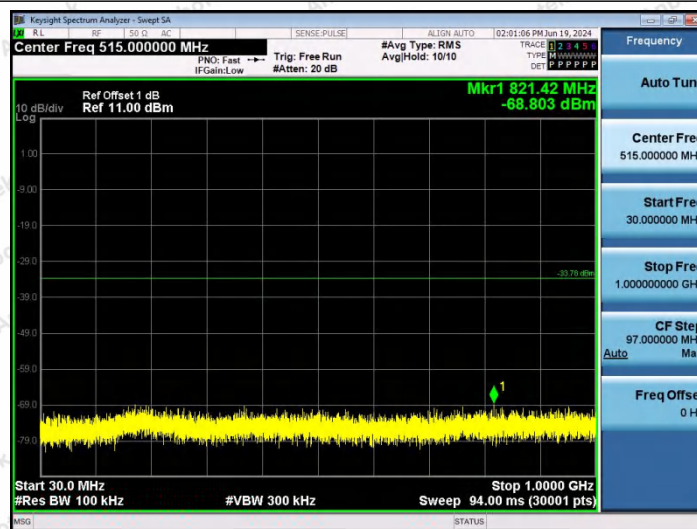


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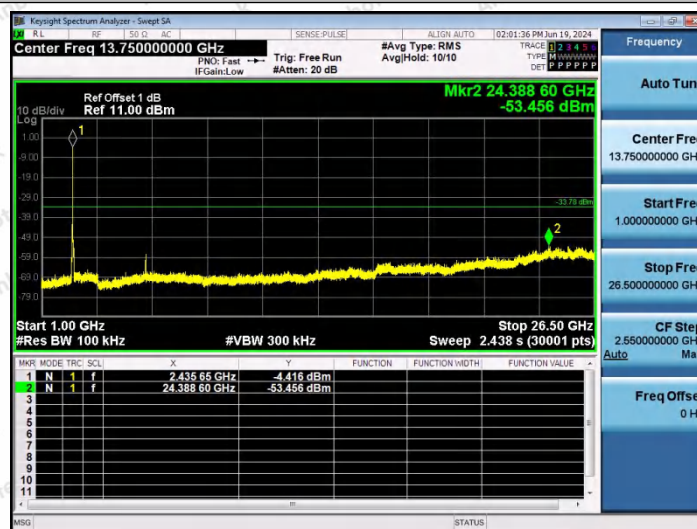




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11N20SISO-Ant1-2437-30~1000-PASS



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

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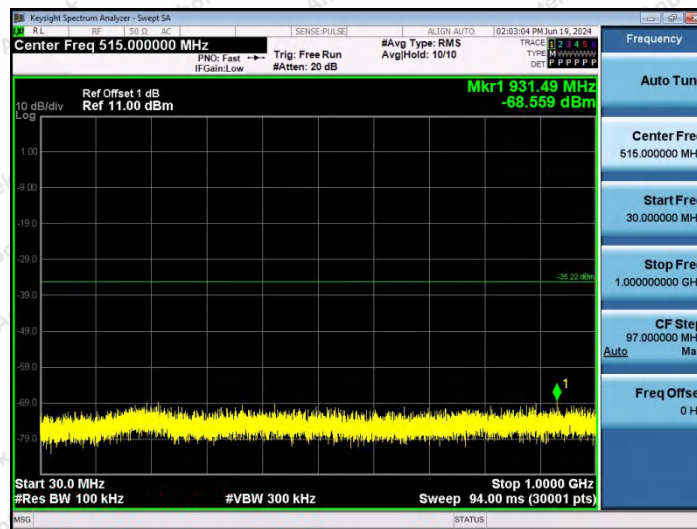


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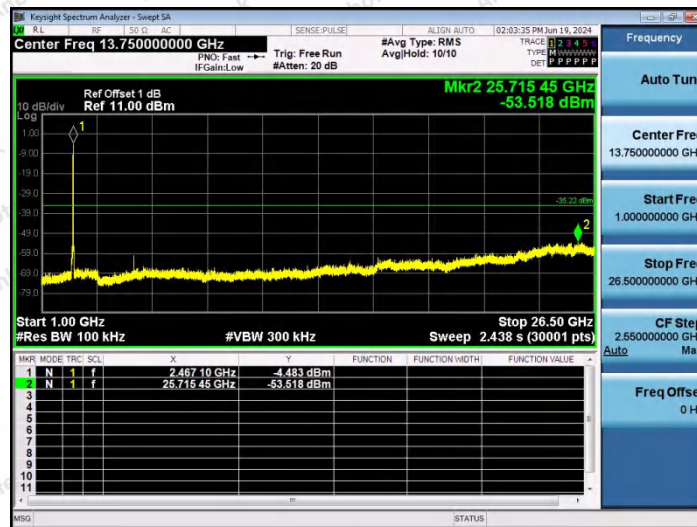




11N20SISO-Ant1-2462-0~Reference-PASS



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



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

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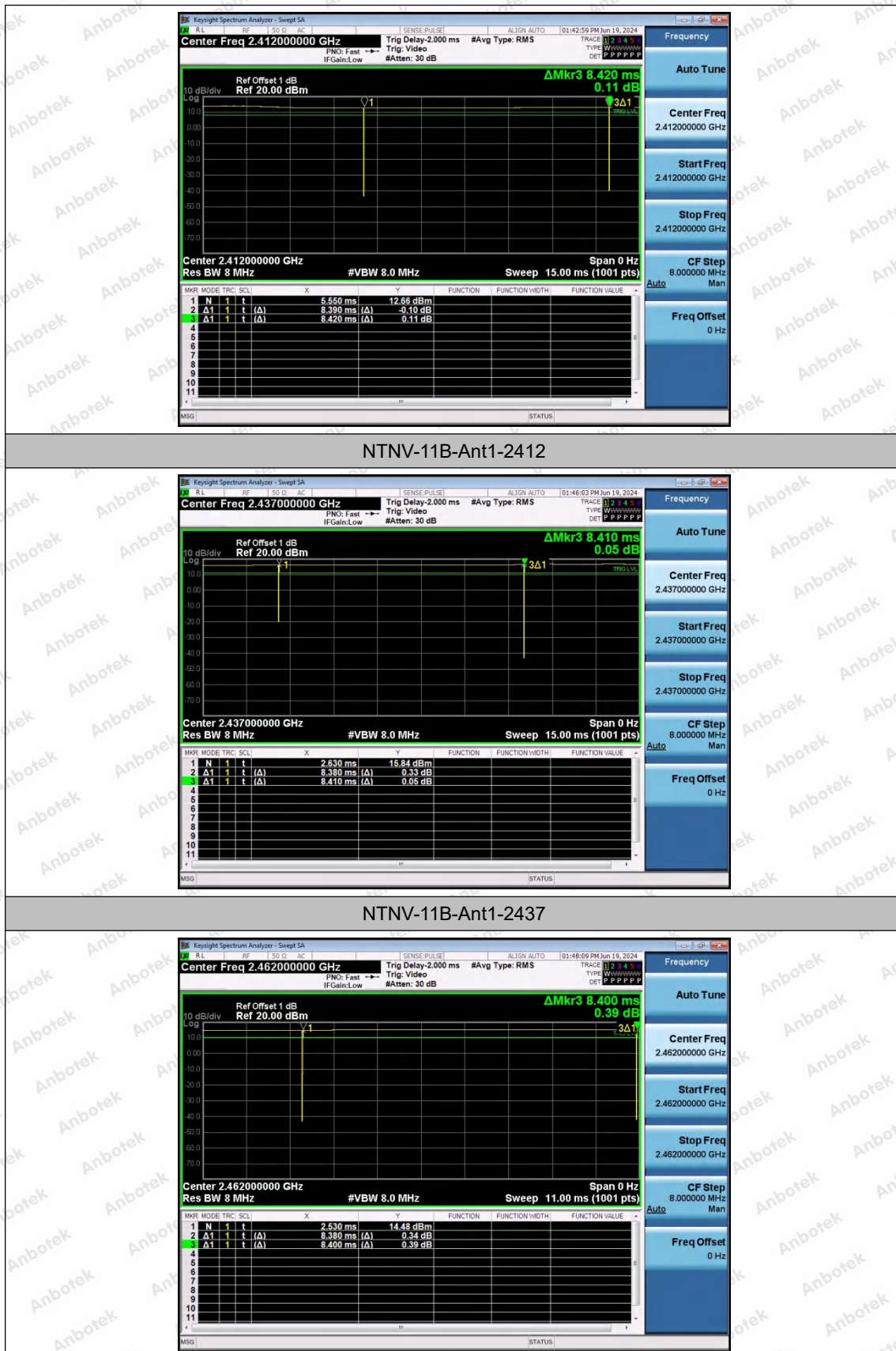
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.39	8.42	99.64	0.02
11B	Ant1	2437	8.38	8.41	99.64	0.02
11B	Ant1	2462	8.38	8.40	99.76	0.01
11G	Ant1	2412	1.39	1.43	97.20	0.12
11G	Ant1	2437	1.39	1.43	97.20	0.12
11G	Ant1	2462	1.39	1.43	97.20	0.12
11N20SISO	Ant1	2412	1.30	1.34	97.01	0.13
11N20SISO	Ant1	2437	1.30	1.34	97.01	0.13
11N20SISO	Ant1	2462	1.30	1.33	97.74	0.10



Test Graphs



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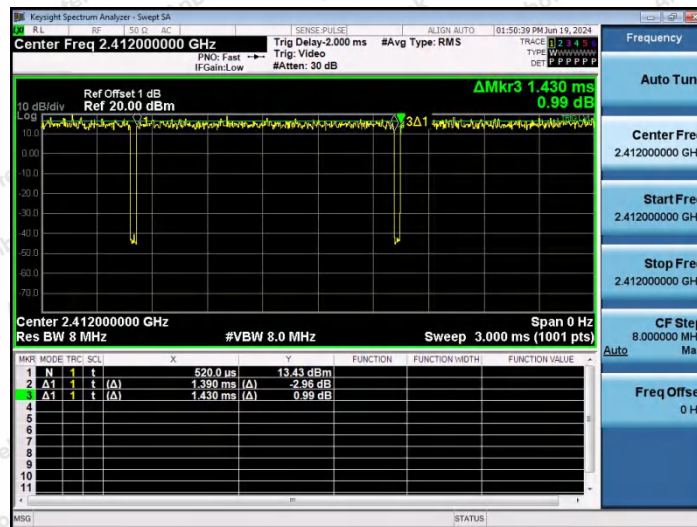
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



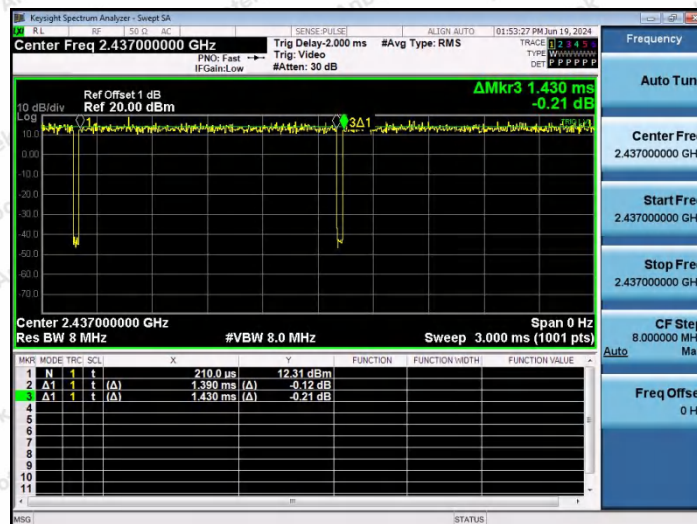
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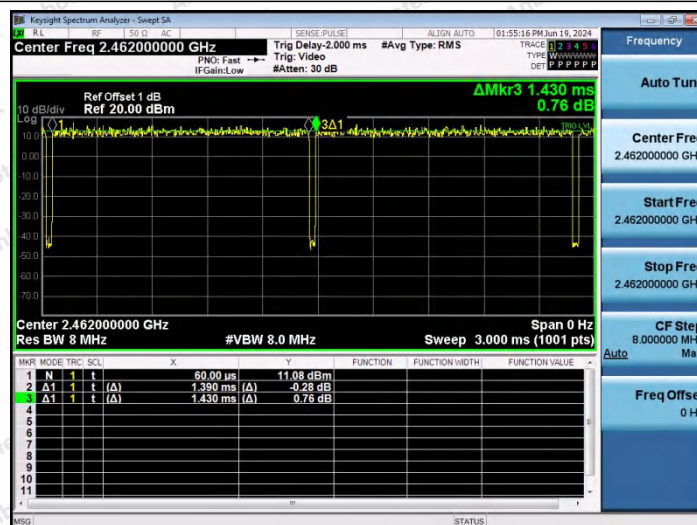
NTNV-11B-Ant1-2462



NTNV-11G-Ant1-2412



NTNV-11G-Ant1-2437



NTNV-11G-Ant1-2462

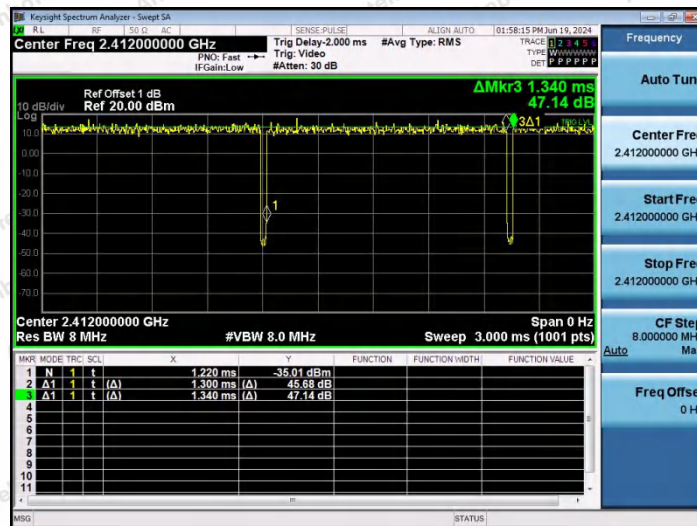
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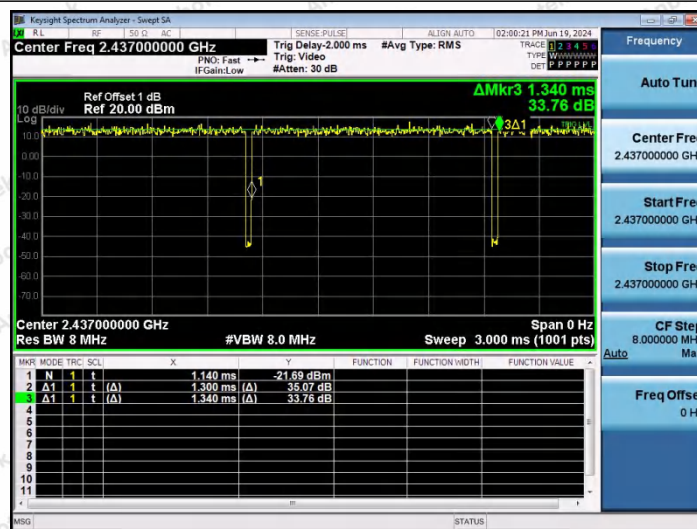


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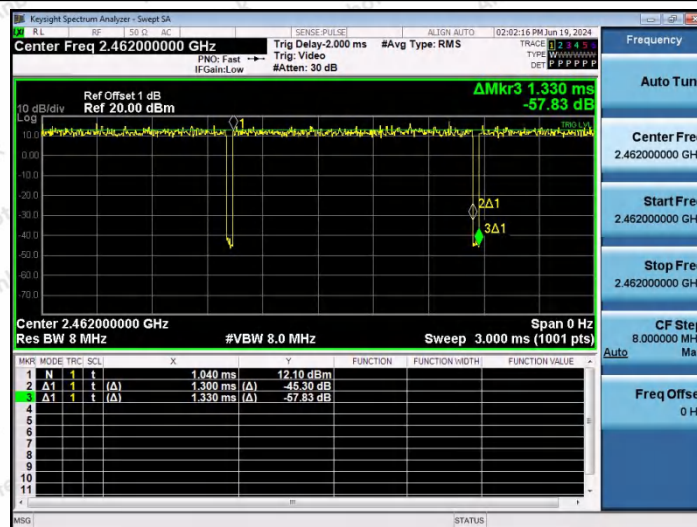




NTNV-11N20SISO-Ant1-2412



NTNV-11N20SISO-Ant1-2437



NTNV-11N20SISO-Ant1-2462

---End---

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