

Appendix Test Data

Report No.:	182512C400374103	Test Sample No.:	1-2-2
Start Test Date:	2024.7.17	Finish Test Date:	2024.7.19
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	24.3℃	Relative Humidity:	49%
Pressure:	101kPa		

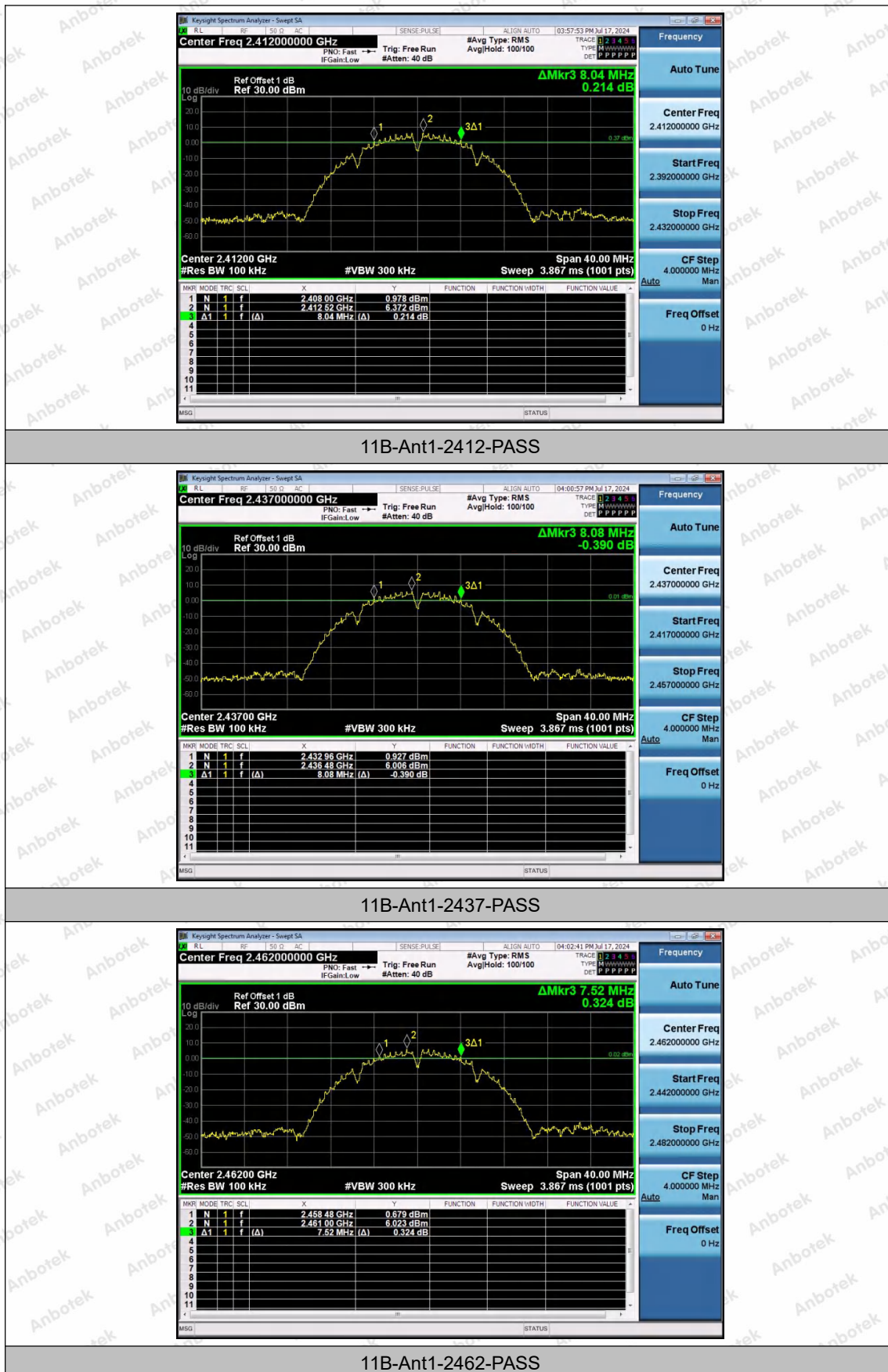
Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.040	2408.000	2416.040	0.5	PASS
11B	Ant1	2437	8.080	2432.960	2441.040	0.5	PASS
11B	Ant1	2462	7.520	2458.480	2466.000	0.5	PASS
11G	Ant1	2412	14.440	2404.480	2418.920	0.5	PASS
11G	Ant1	2437	14.600	2429.440	2444.040	0.5	PASS
11G	Ant1	2462	15.600	2454.120	2469.720	0.5	PASS
11N20SISO	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
11N20SISO	Ant1	2437	15.080	2429.440	2444.520	0.5	PASS
11N20SISO	Ant1	2462	15.640	2453.840	2469.480	0.5	PASS



Test Graphs



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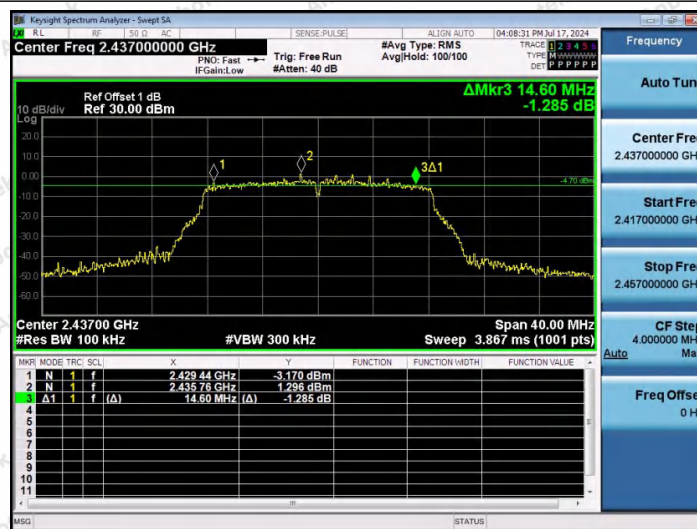


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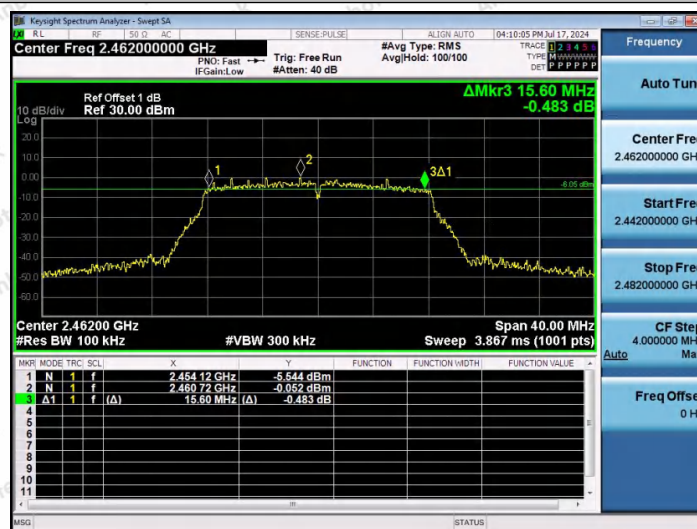




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

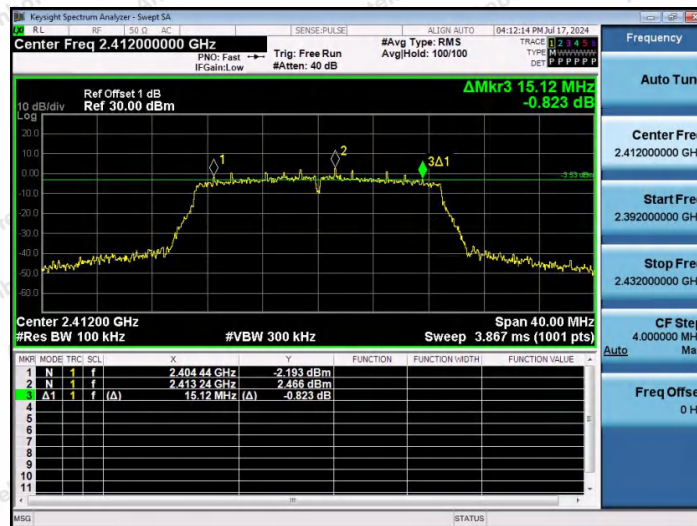
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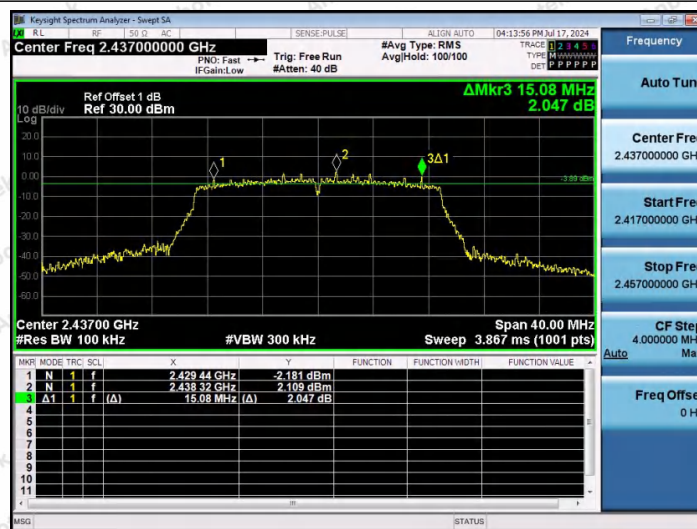


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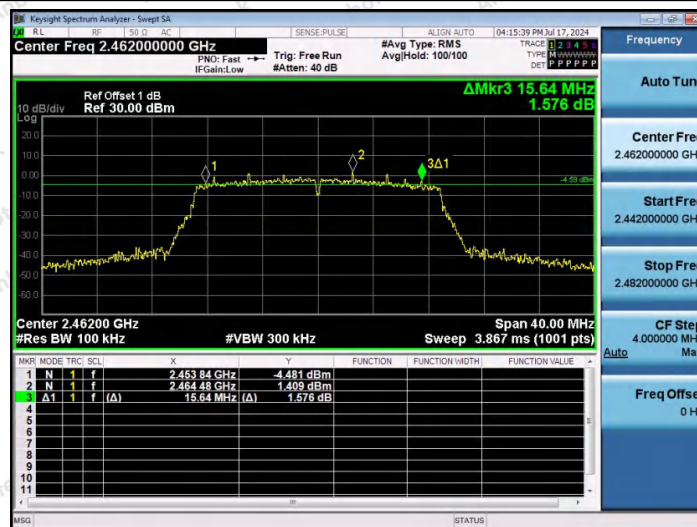




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

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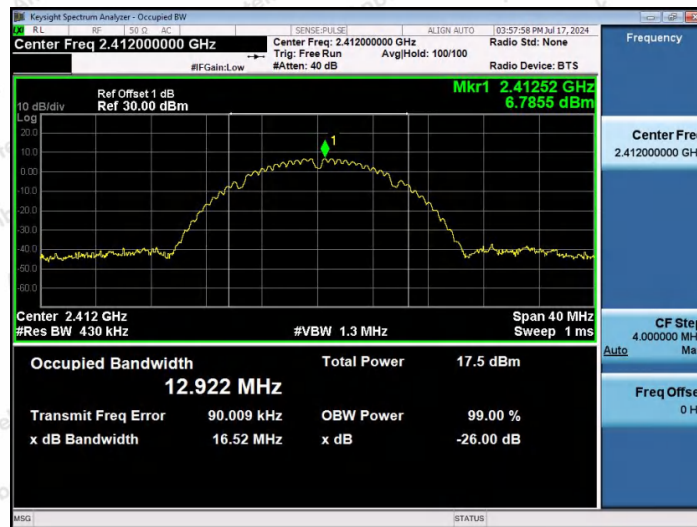
Appendix B: 99% Occupied Bandwidth

Test Result

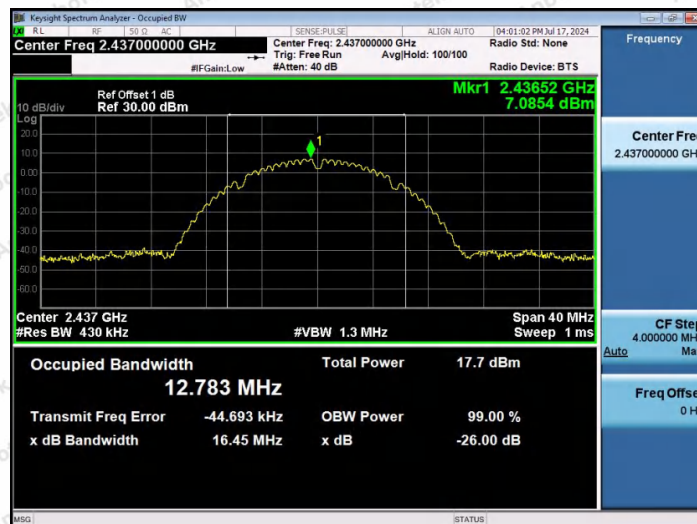
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.922	2405.6290	2418.5510	---	---
11B	Ant1	2437	12.783	2430.5638	2443.3468	---	---
11B	Ant1	2462	12.942	2455.5927	2468.5347	---	---
11G	Ant1	2412	16.873	2403.6287	2420.5017	---	---
11G	Ant1	2437	16.805	2428.6433	2445.4483	---	---
11G	Ant1	2462	16.873	2453.5607	2470.4337	---	---
11N20SISO	Ant1	2412	17.852	2403.1413	2420.9933	---	---
11N20SISO	Ant1	2437	17.780	2428.1359	2445.9159	---	---
11N20SISO	Ant1	2462	17.853	2453.0370	2470.8900	---	---



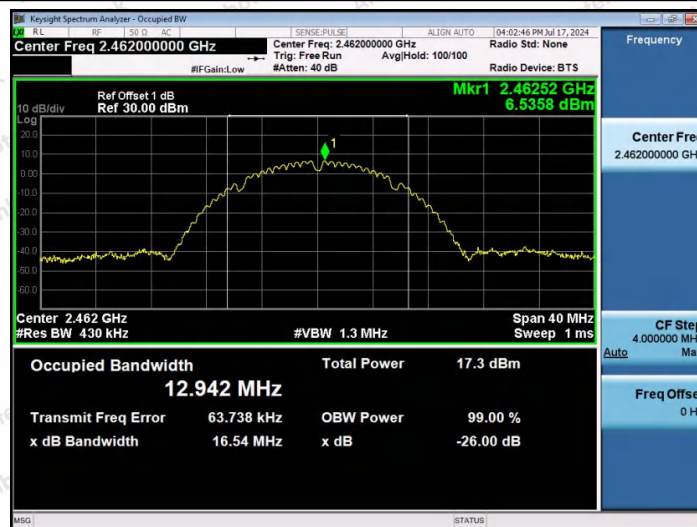
Test Graphs



11B-Ant1-2412



11B-Ant1-2437



11B-Ant1-2462

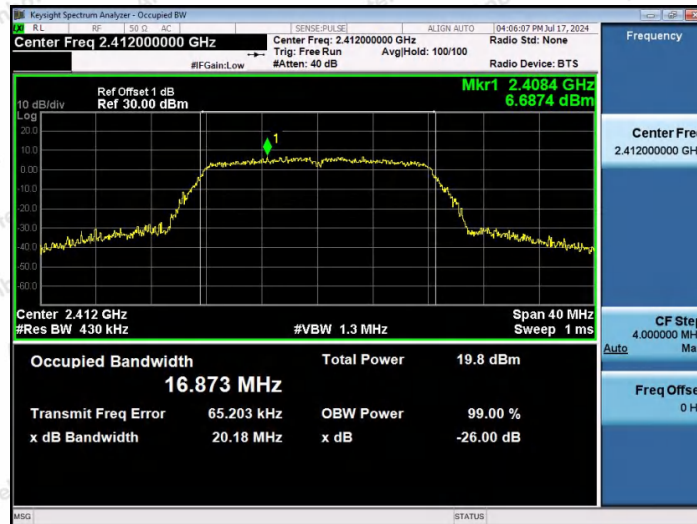
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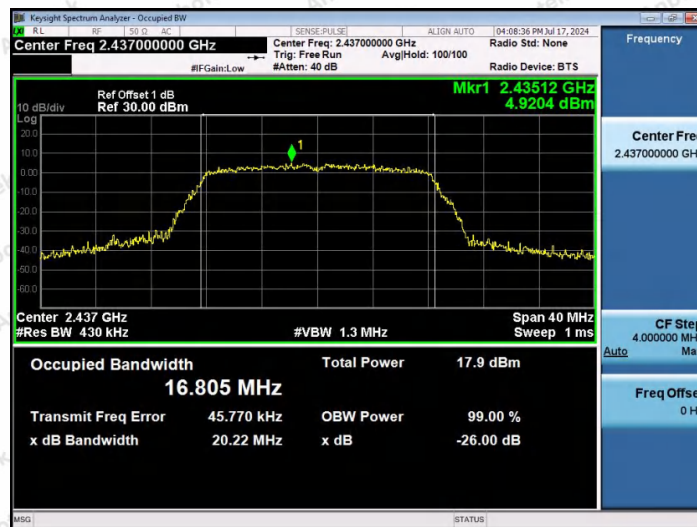


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11G-Ant1-2412



11G-Ant1-2437



11G-Ant1-2462

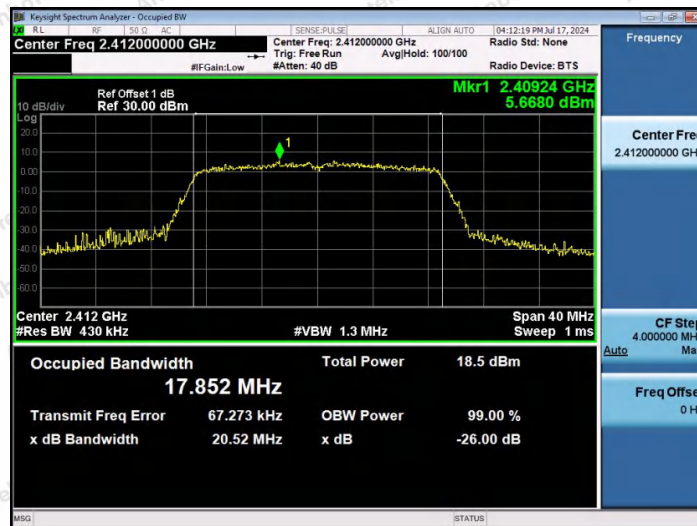
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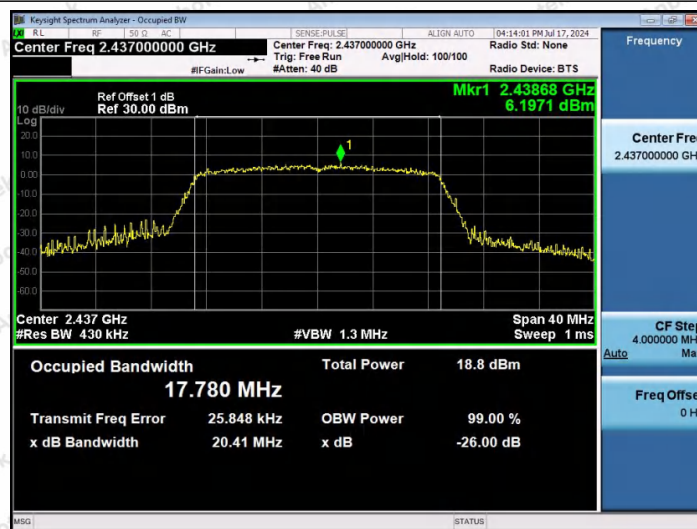


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11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



11N20SISO-Ant1-2462

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Appendix C: Maximum conducted output power

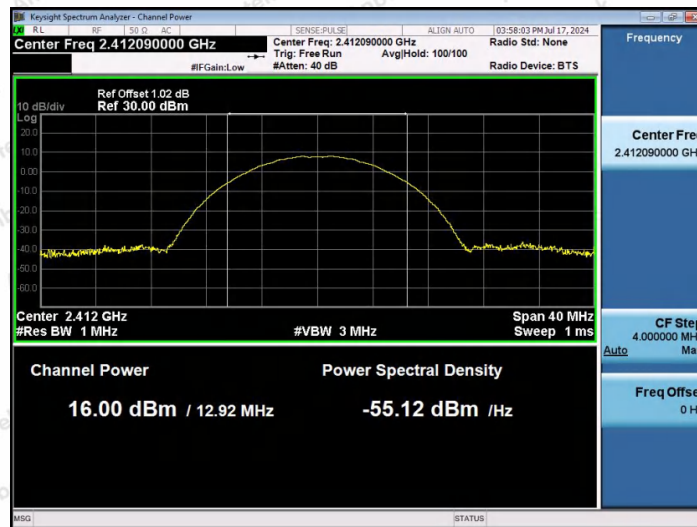
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	15.98	99.64	0.02	16.00	≤30.0 0	PASS
11B	Ant1	2437	16.20	99.52	0.02	16.22	≤30.0 0	PASS
11B	Ant1	2462	15.72	99.76	0.01	15.73	≤30.0 0	PASS
11G	Ant1	2412	16.10	97.20	0.12	16.22	≤30.0 0	PASS
11G	Ant1	2437	16.31	97.20	0.12	16.43	≤30.0 0	PASS
11G	Ant1	2462	15.81	97.20	0.12	15.93	≤30.0 0	PASS
11N20SI SO	Ant1	2412	16.96	97.74	0.10	17.06	≤30.0 0	PASS
11N20SI SO	Ant1	2437	17.30	97.01	0.13	17.43	≤30.0 0	PASS
11N20SI SO	Ant1	2462	16.71	97.01	0.13	16.84	≤30.0 0	PASS

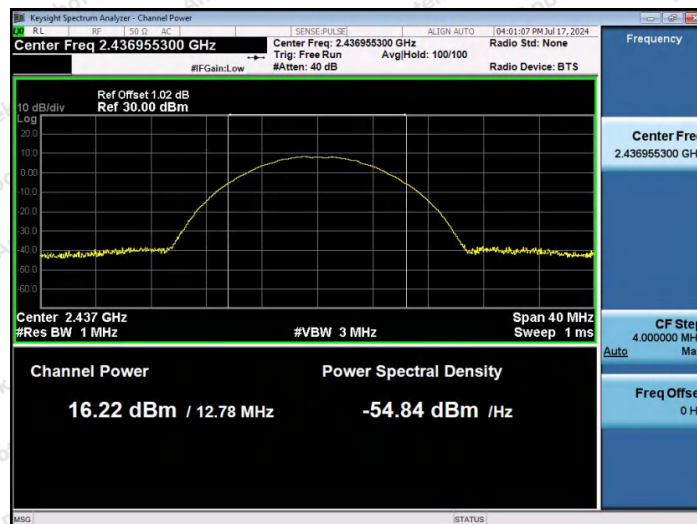
Note: The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.



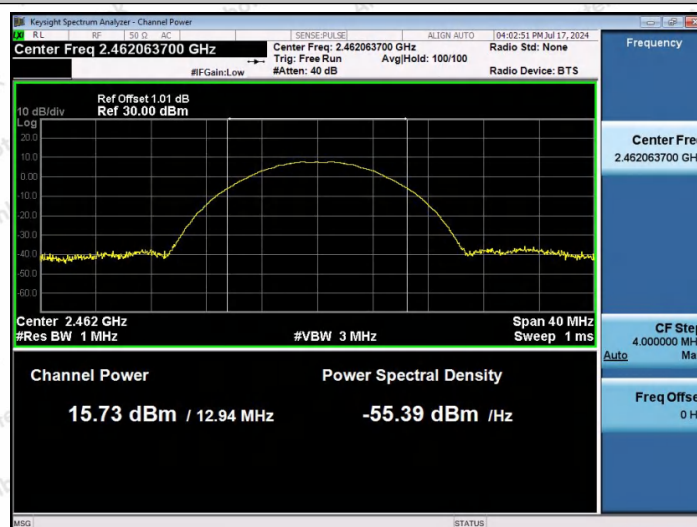
Test Graphs Average



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



11B-Ant1-2462-PASS

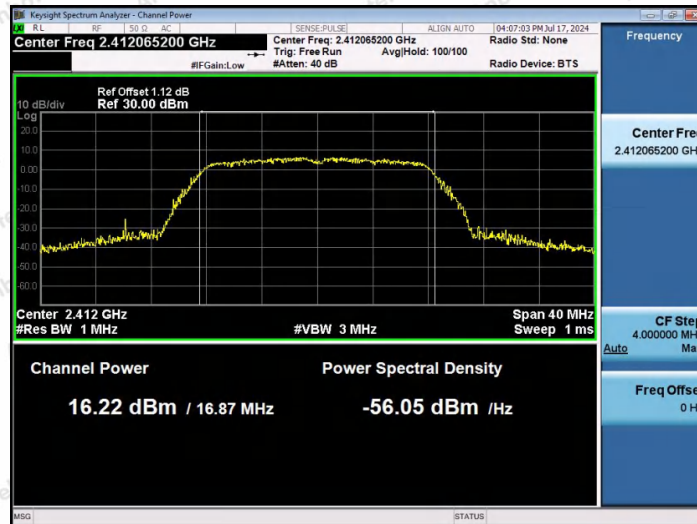
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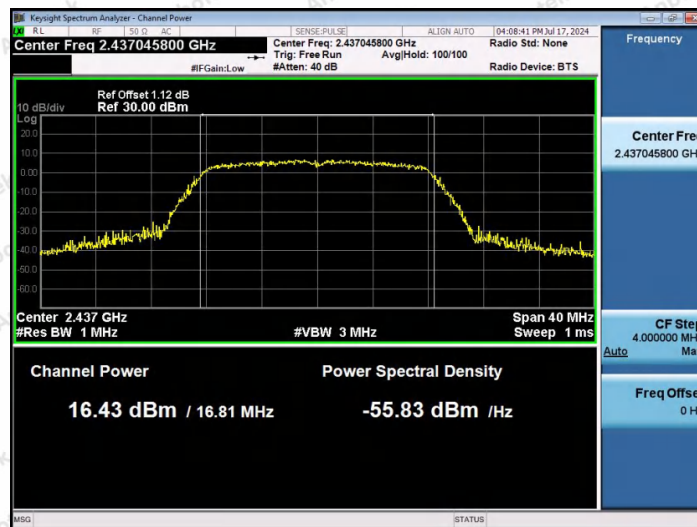


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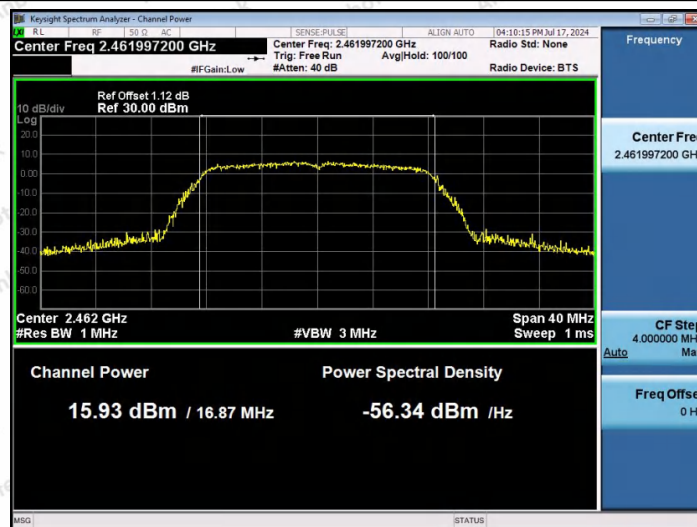




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

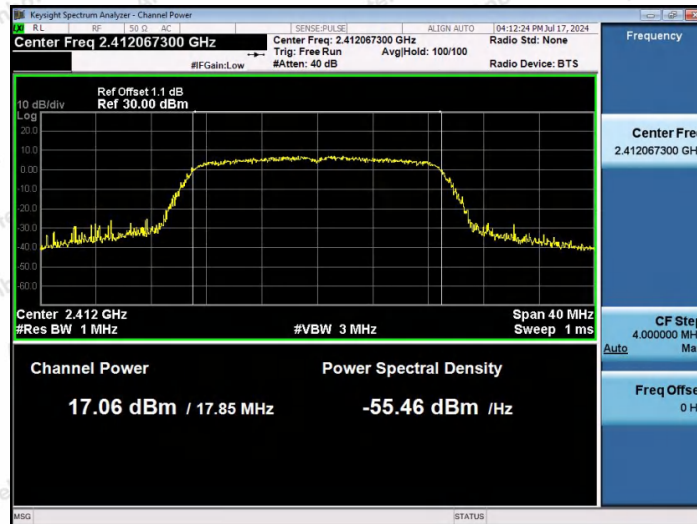
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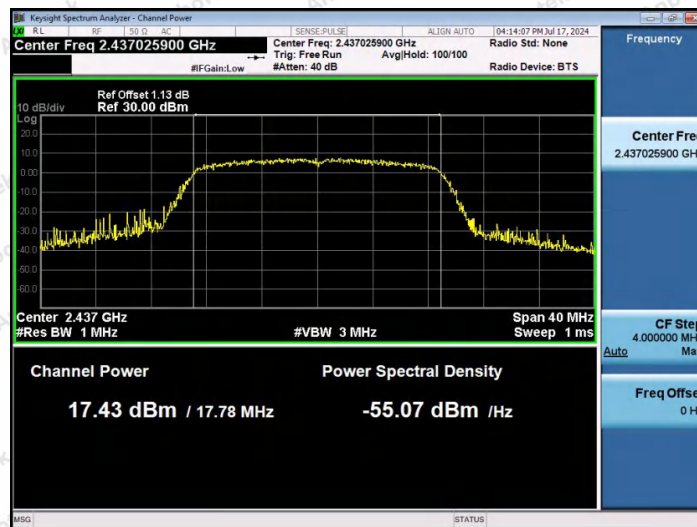


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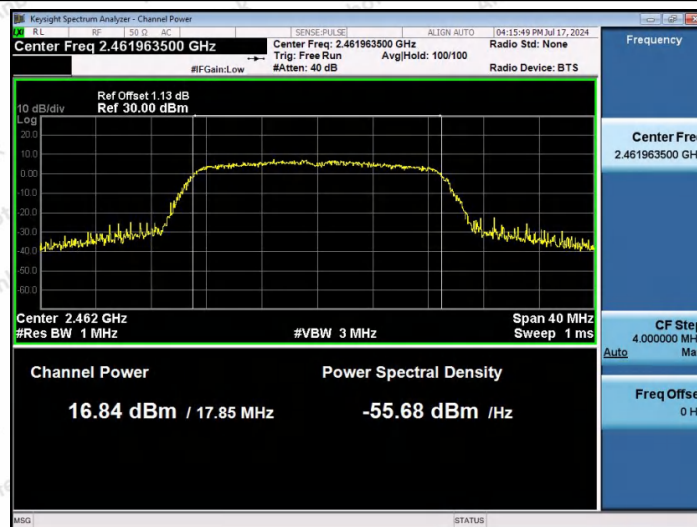




11N20SISO-Ant1-2412-PASS



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	-6.49	-16.49	≤8.00	PASS
11B	Ant1	2437	-6.45	-16.45	≤8.00	PASS
11B	Ant1	2462	-6.54	-16.54	≤8.00	PASS
11G	Ant1	2412	-11.64	-21.64	≤8.00	PASS
11G	Ant1	2437	-11.40	-21.40	≤8.00	PASS
11G	Ant1	2462	-11.93	-21.93	≤8.00	PASS
11N20SIS O	Ant1	2412	-11.57	-21.57	≤8.00	PASS
11N20SIS O	Ant1	2437	-11.07	-21.07	≤8.00	PASS
11N20SIS O	Ant1	2462	-11.66	-21.66	≤8.00	PASS

Note:

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



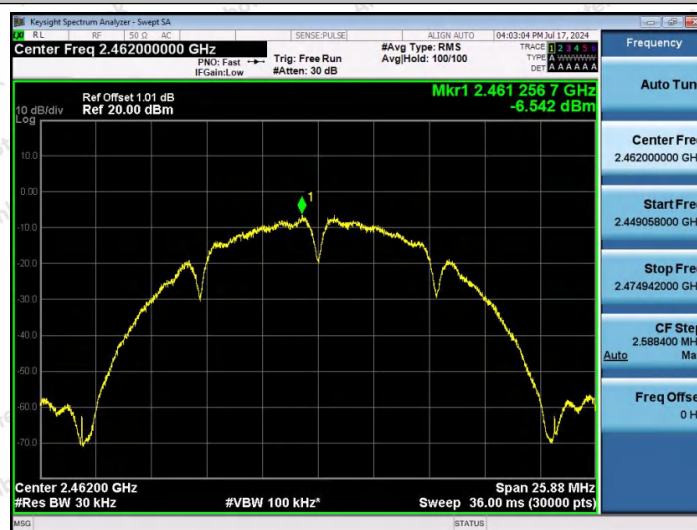
Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



11B-Ant1-2462-PASS

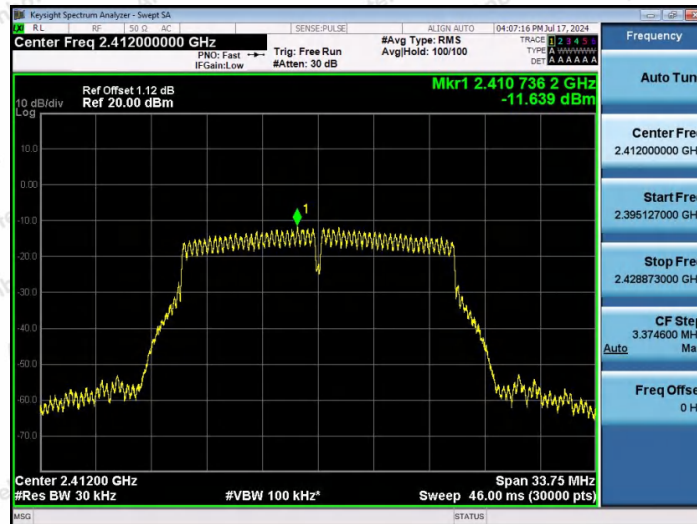
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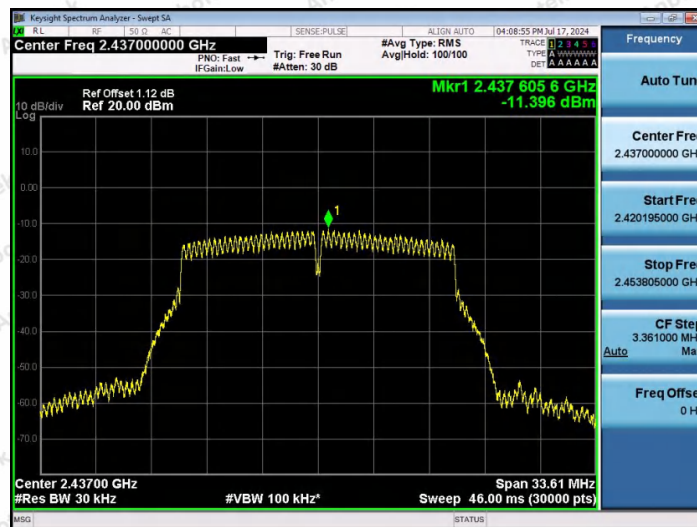


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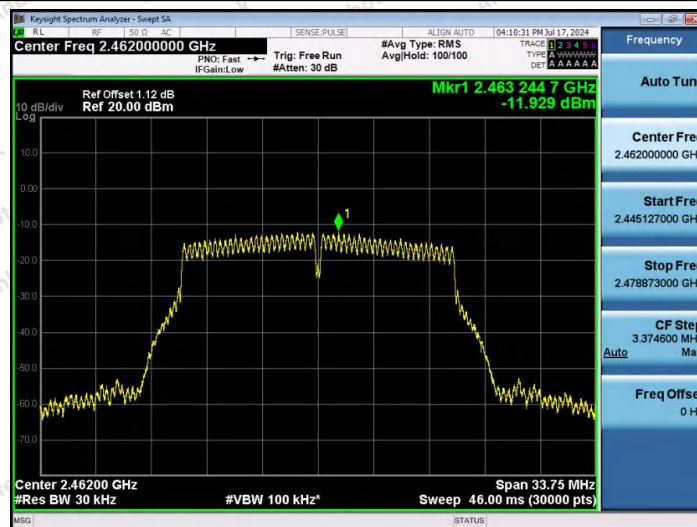




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

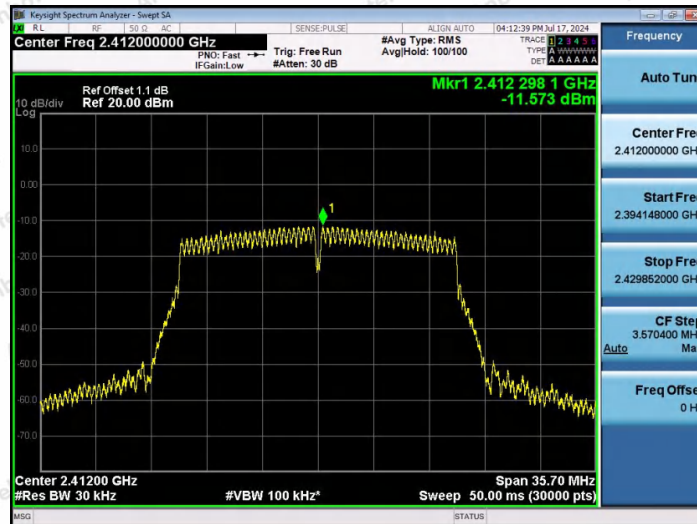
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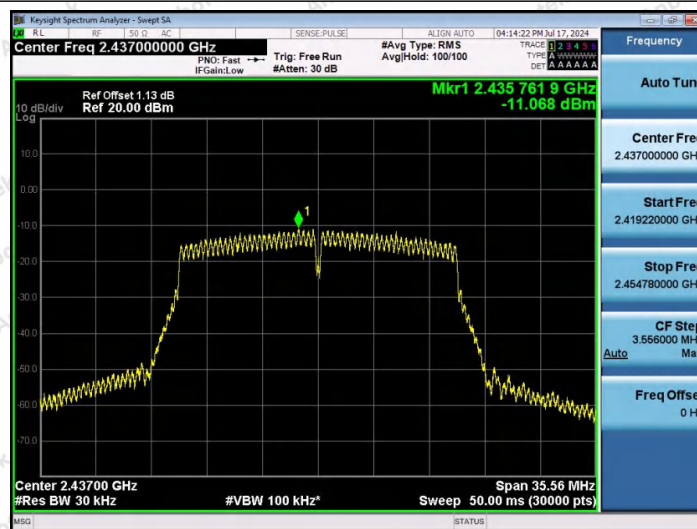


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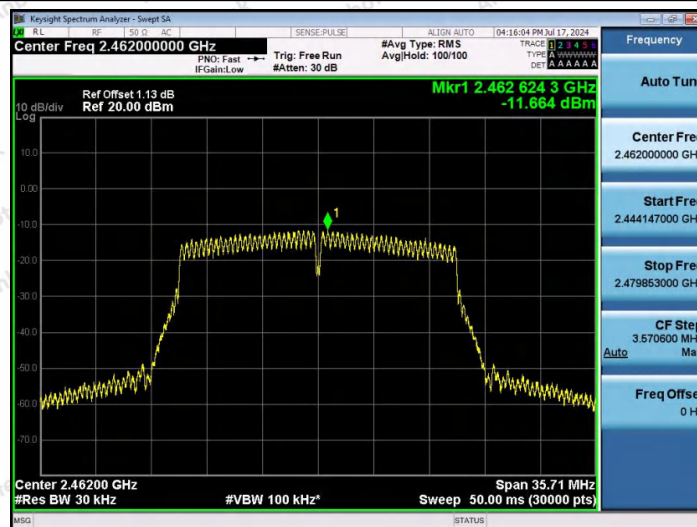




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

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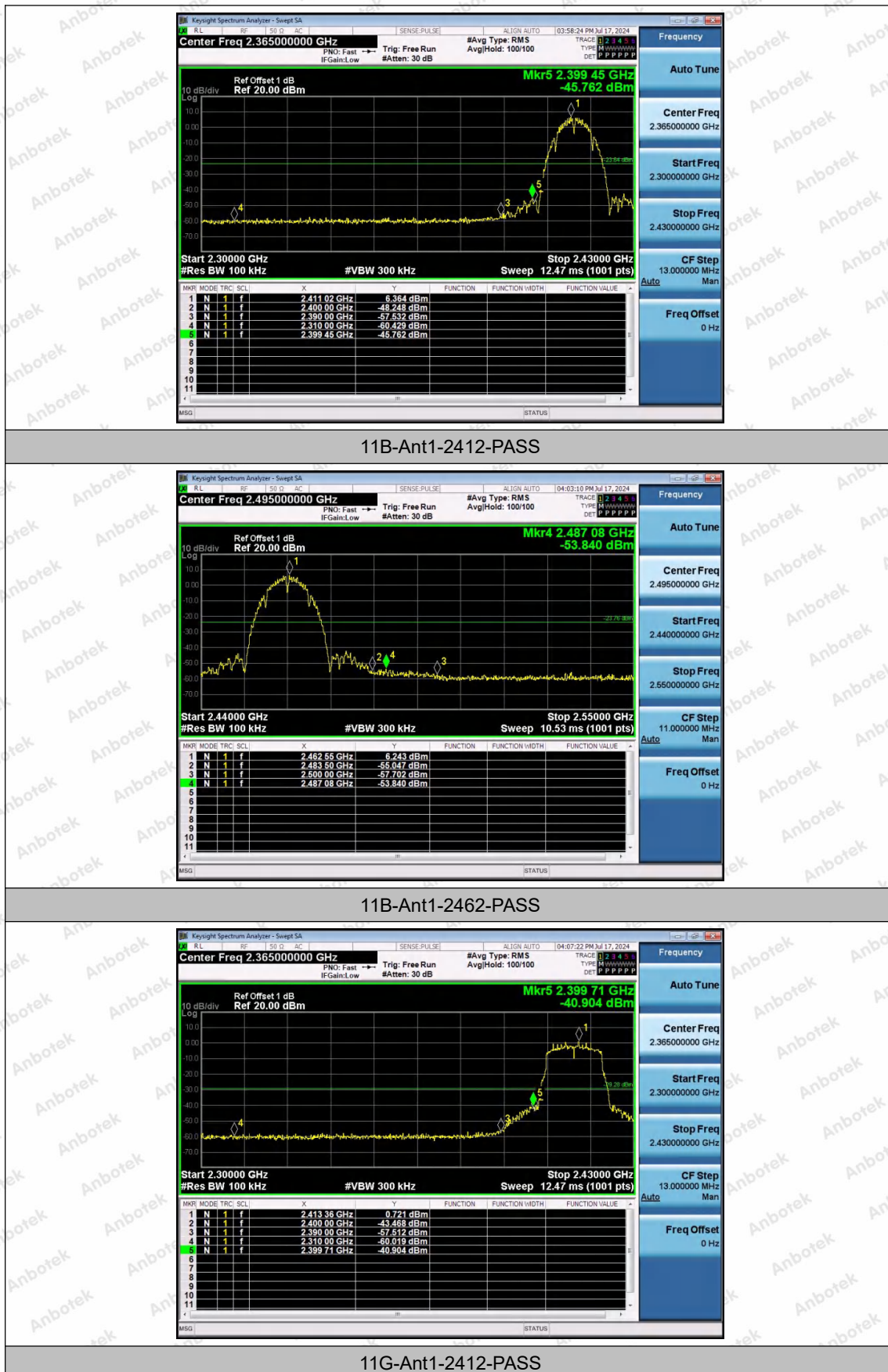
Appendix E: Conducted Band edge

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.36	-45.76	≤-23.64	PASS
11B	Ant1	High	2462	6.24	-53.84	≤-23.76	PASS
11G	Ant1	Low	2412	0.72	-40.9	≤-29.28	PASS
11G	Ant1	High	2462	0.09	-51.65	≤-29.91	PASS
11N20SISO	Ant1	Low	2412	1.45	-36.04	≤-28.55	PASS
11N20SISO	Ant1	High	2462	2.20	-49.32	≤-27.8	PASS



Test Graphs



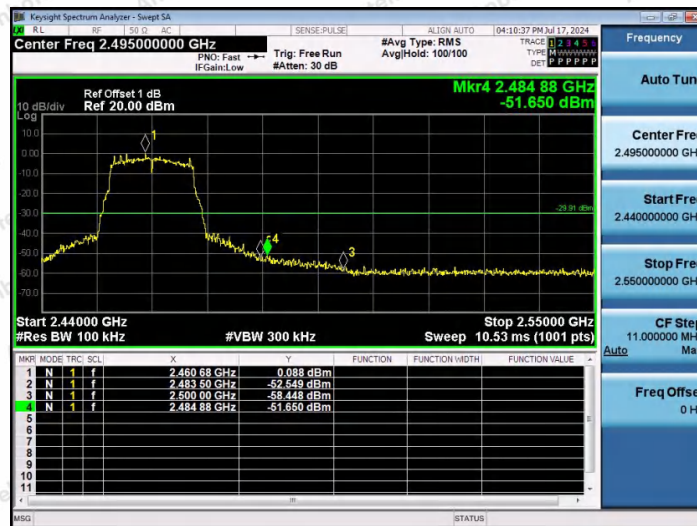
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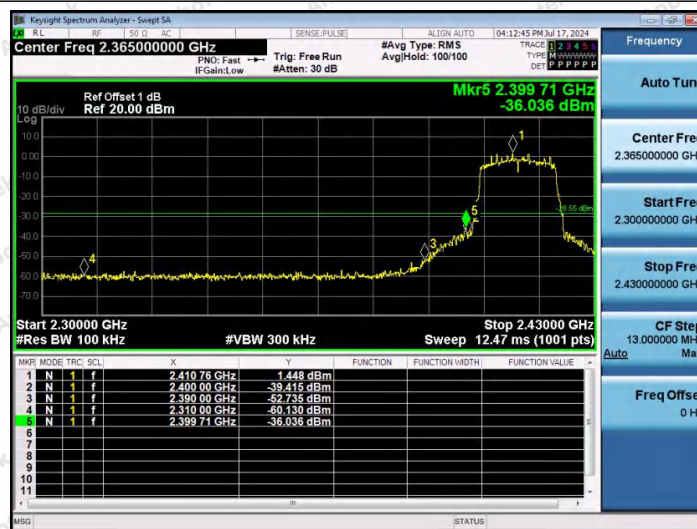


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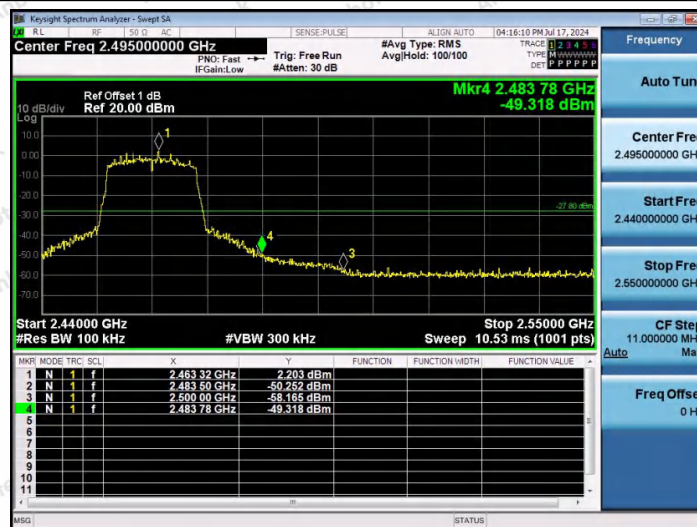




11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

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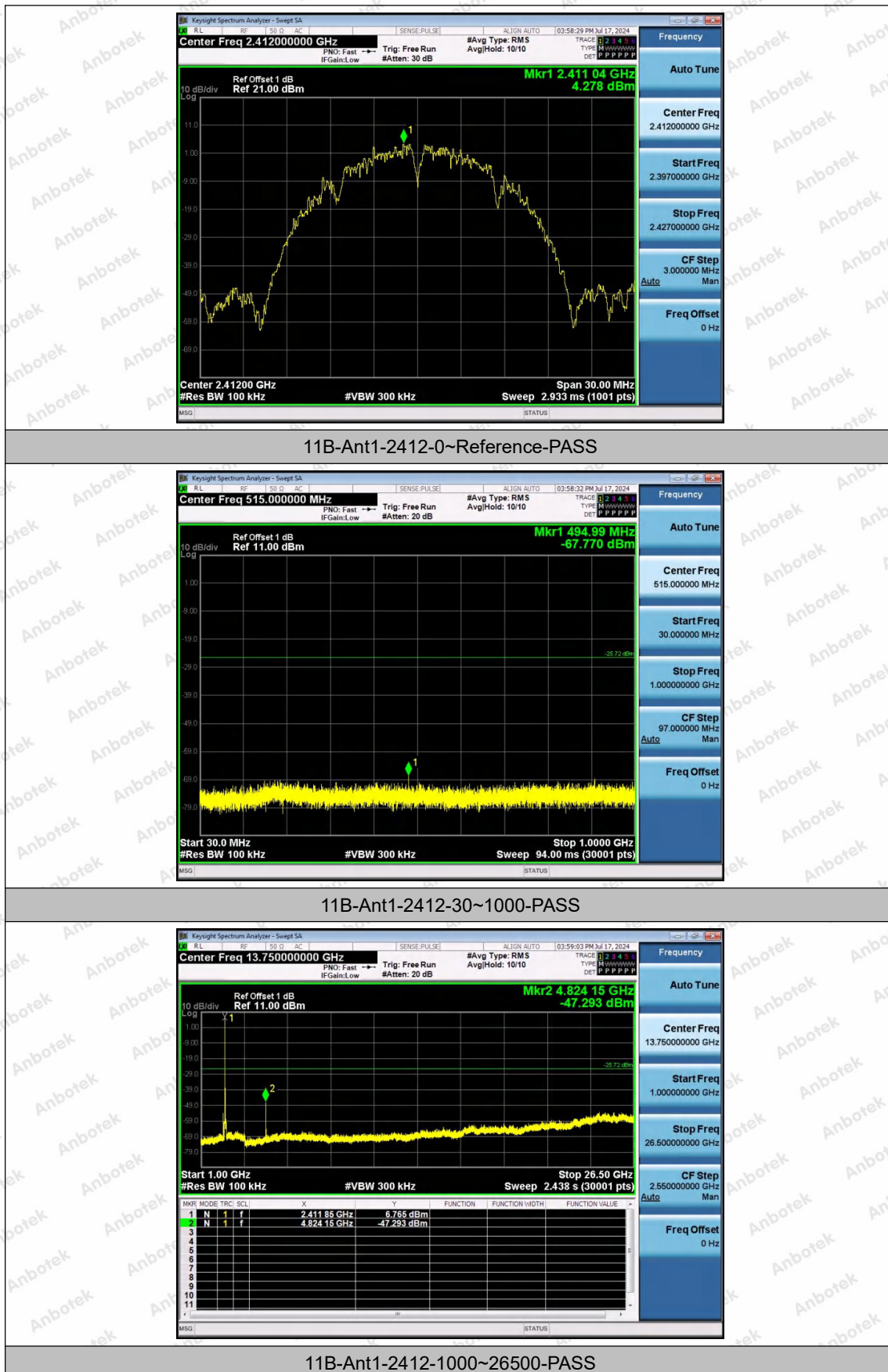
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	4.28	4.28	---	PASS
11B	Ant1	2412	30~1000	4.28	-67.77	≤-25.72	PASS
11B	Ant1	2412	1000~26500	4.28	-47.29	≤-25.72	PASS
11B	Ant1	2437	0~Reference	6.06	6.06	---	PASS
11B	Ant1	2437	30~1000	6.06	-68.7	≤-23.94	PASS
11B	Ant1	2437	1000~26500	6.06	-50.24	≤-23.94	PASS
11B	Ant1	2462	0~Reference	4.70	4.70	---	PASS
11B	Ant1	2462	30~1000	4.70	-68.54	≤-25.3	PASS
11B	Ant1	2462	1000~26500	4.70	-47.51	≤-25.3	PASS
11G	Ant1	2412	0~Reference	-1.63	-1.63	---	PASS
11G	Ant1	2412	30~1000	-1.63	-68.03	≤-31.63	PASS
11G	Ant1	2412	1000~26500	-1.63	-52.81	≤-31.63	PASS
11G	Ant1	2437	0~Reference	-0.34	-0.34	---	PASS
11G	Ant1	2437	30~1000	-0.34	-68.7	≤-30.34	PASS
11G	Ant1	2437	1000~26500	-0.34	-53.03	≤-30.34	PASS
11G	Ant1	2462	0~Reference	-1.30	-1.30	---	PASS
11G	Ant1	2462	30~1000	-1.30	-68.73	≤-31.3	PASS
11G	Ant1	2462	1000~26500	-1.30	-53.21	≤-31.3	PASS
11N20SISO	Ant1	2412	0~Reference	0.71	0.71	---	PASS
11N20SISO	Ant1	2412	30~1000	0.71	-68.57	≤-29.29	PASS
11N20SISO	Ant1	2412	1000~26500	0.71	-53.51	≤-29.29	PASS
11N20SISO	Ant1	2437	0~Reference	1.36	1.36	---	PASS
11N20SISO	Ant1	2437	30~1000	1.36	-68.4	≤-28.64	PASS
11N20SISO	Ant1	2437	1000~26500	1.36	-53.74	≤-28.64	PASS
11N20SISO	Ant1	2462	0~Reference	0.13	0.13	---	PASS
11N20SISO	Ant1	2462	30~1000	0.13	-67.93	≤-29.87	PASS
11N20SISO	Ant1	2462	1000~26500	0.13	-53.51	≤-29.87	PASS



Test Graphs



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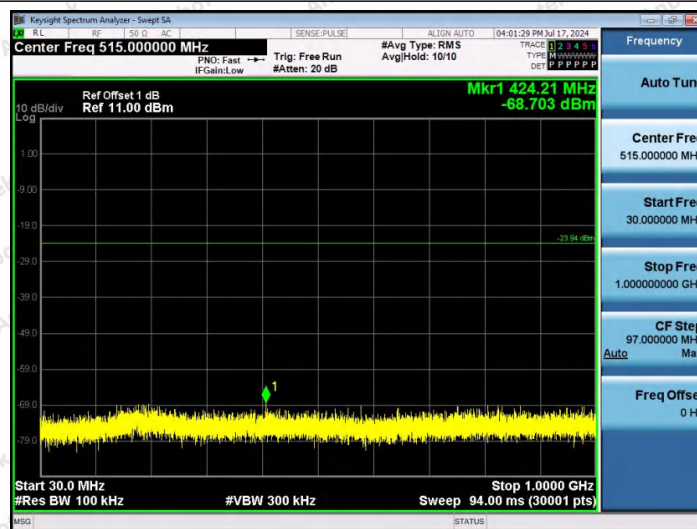


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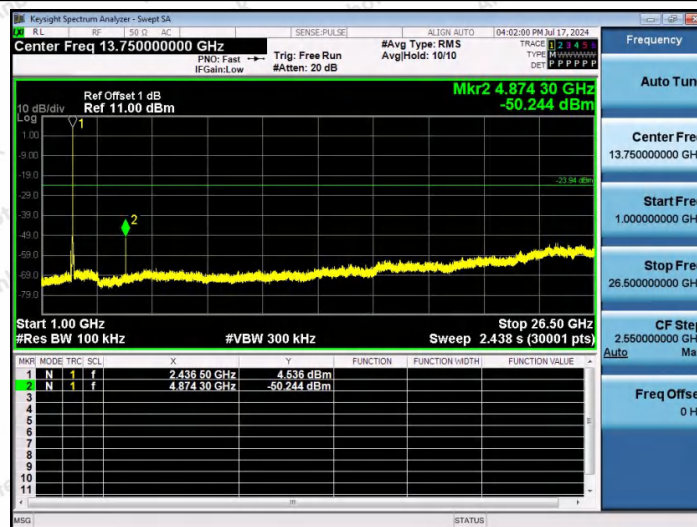




11B-Ant1-2437-0~Reference-PASS



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



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

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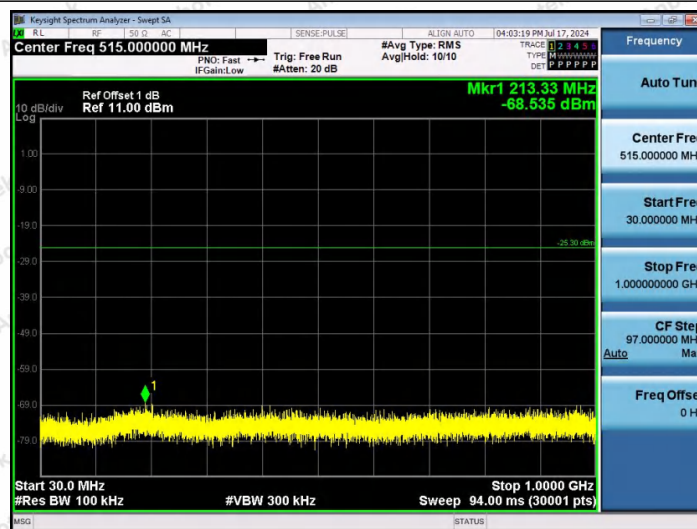


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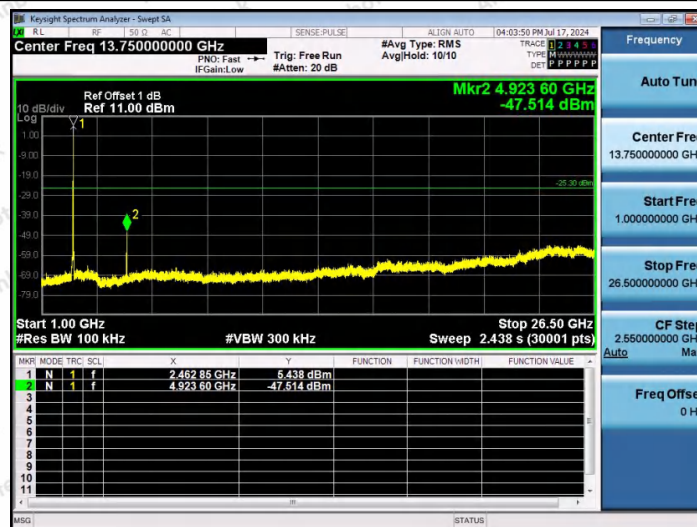




11B-Ant1-2462-0~Reference-PASS



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



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

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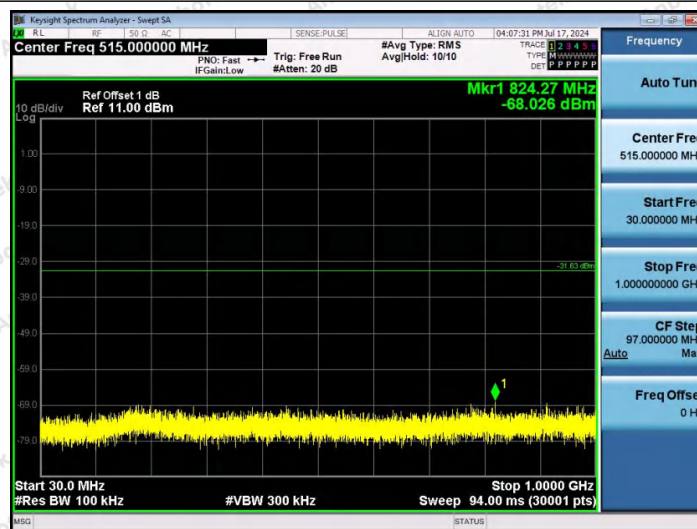


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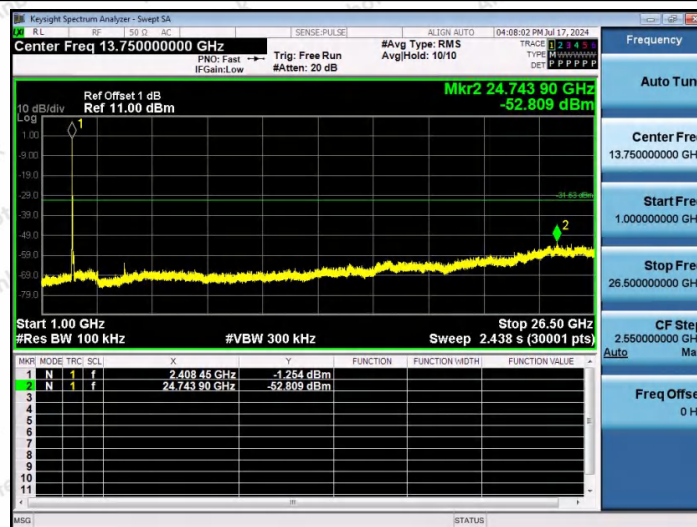




11G-Ant1-2412-0~Reference-PASS



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



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

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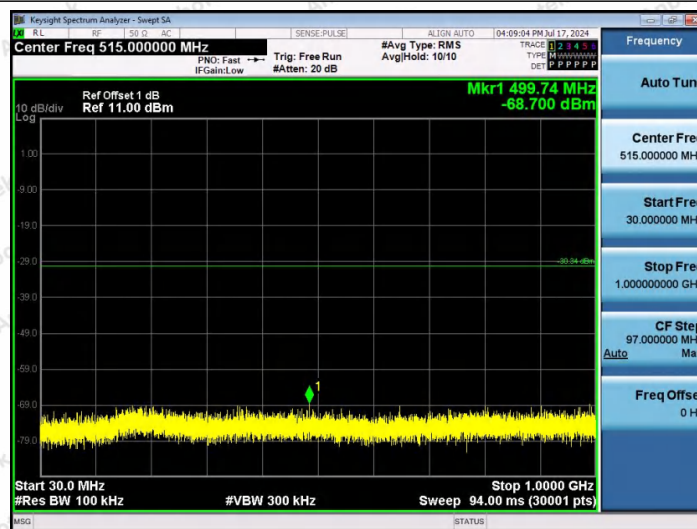


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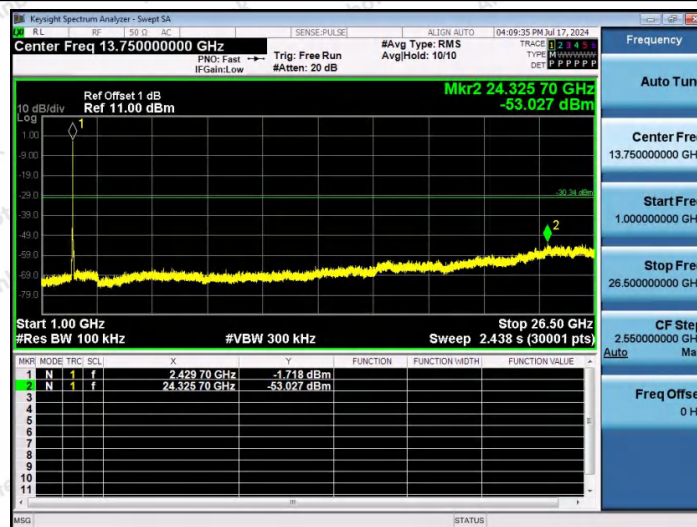




11G-Ant1-2437-0~Reference-PASS



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



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

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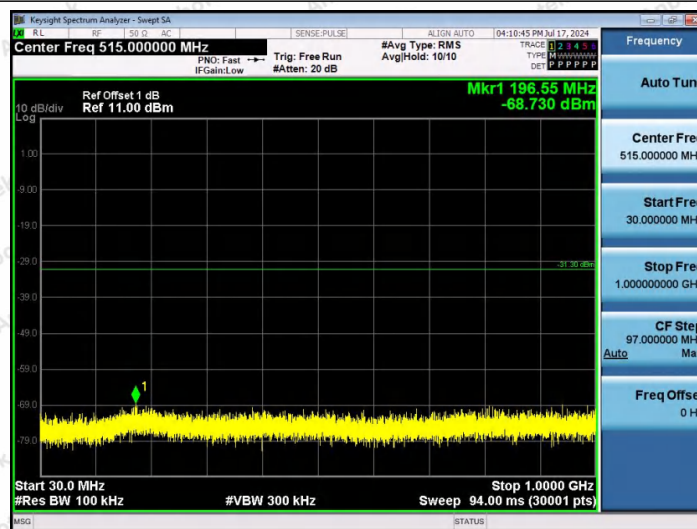


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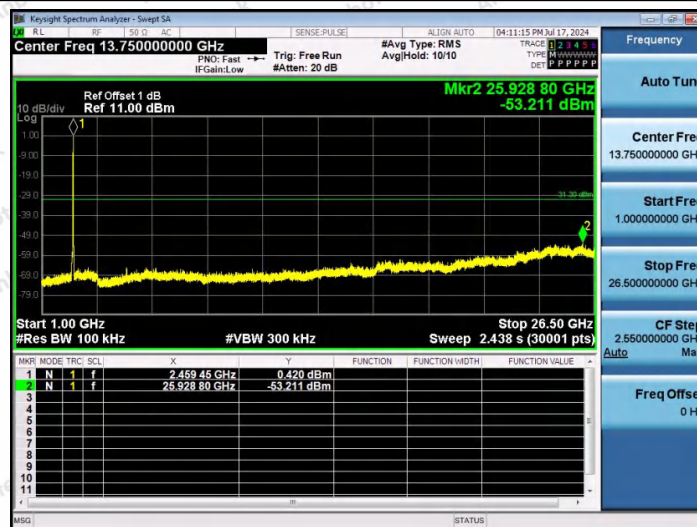




11G-Ant1-2462-0~Reference-PASS



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



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

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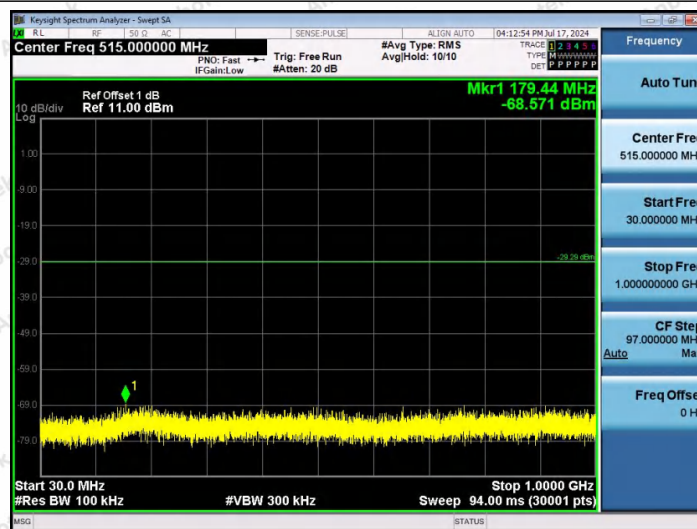


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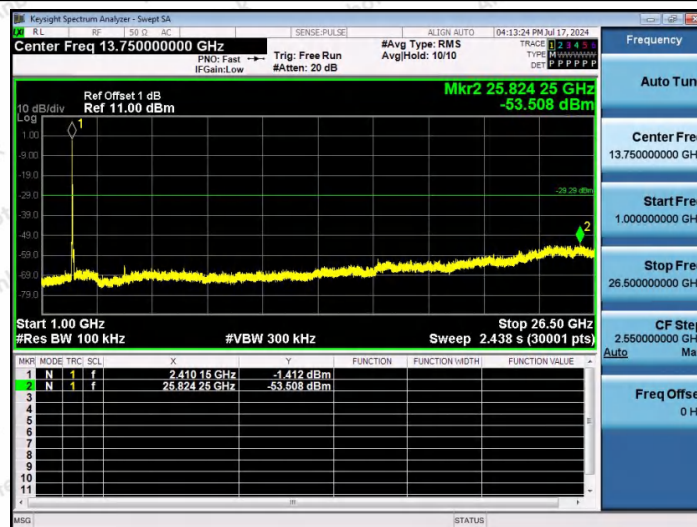




11N20SISO-Ant1-2412-0~Reference-PASS



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



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

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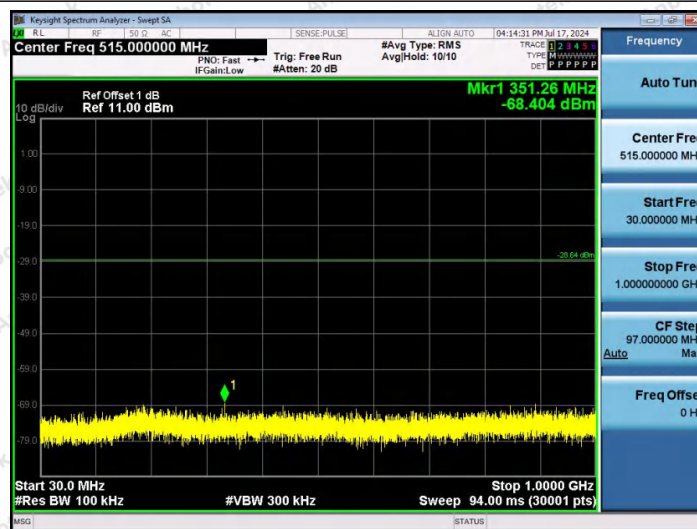


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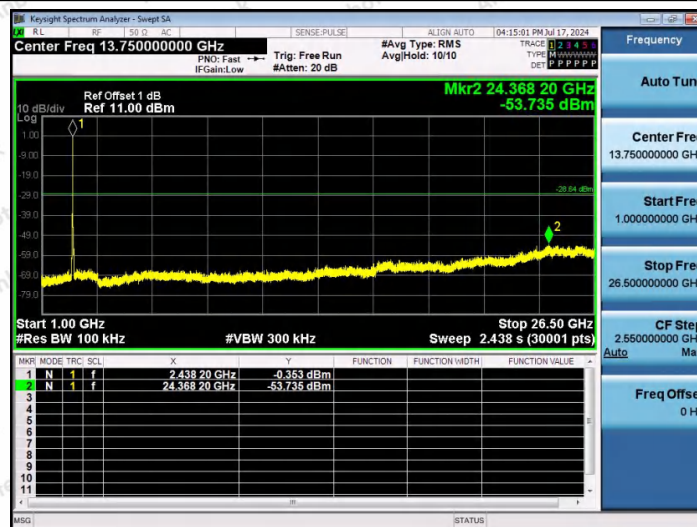




11N20SISO-Ant1-2437-0~Reference-PASS



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



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

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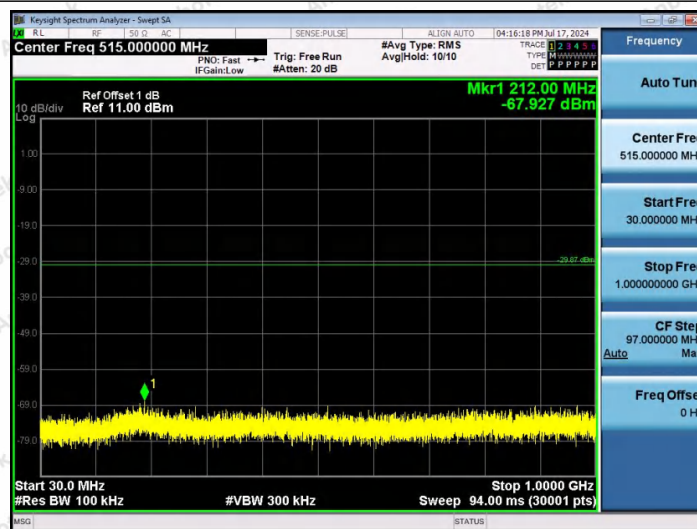


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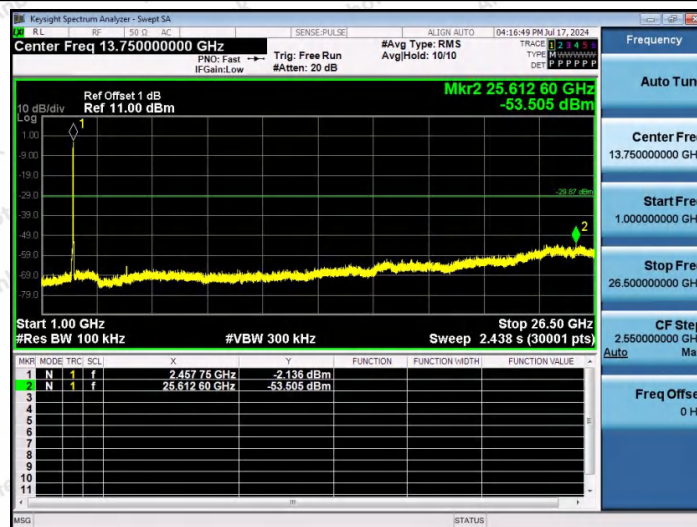




11N20SISO-Ant1-2462-0~Reference-PASS



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



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

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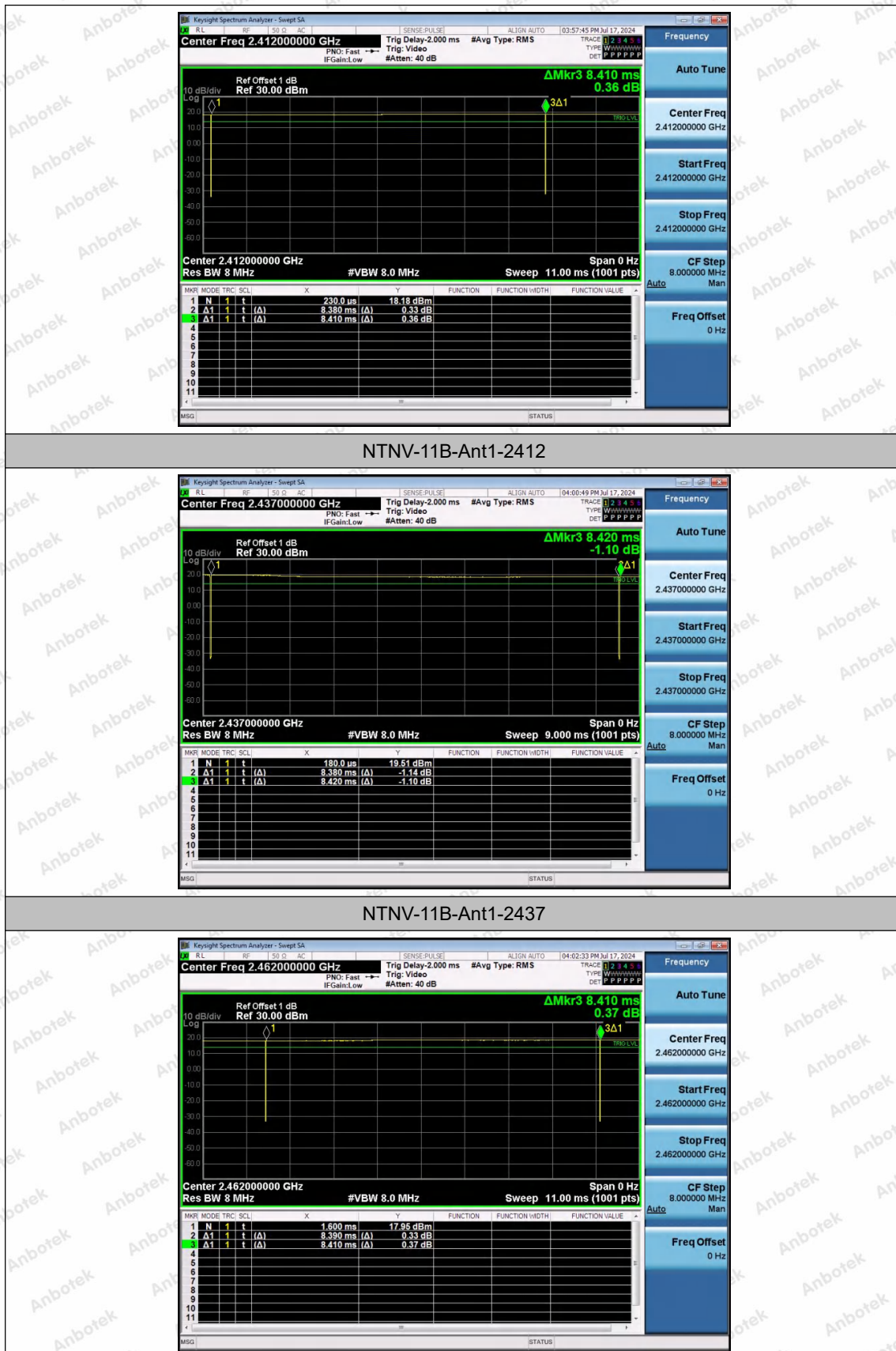
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.38	8.41	99.64	0.02
11B	Ant1	2437	8.38	8.42	99.52	0.02
11B	Ant1	2462	8.39	8.41	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	1.33	97.74	0.10
11N20SISO	Ant1	2437	1.30	1.34	97.01	0.13
11N20SISO	Ant1	2462	1.30	1.34	97.01	0.13



Test Graphs



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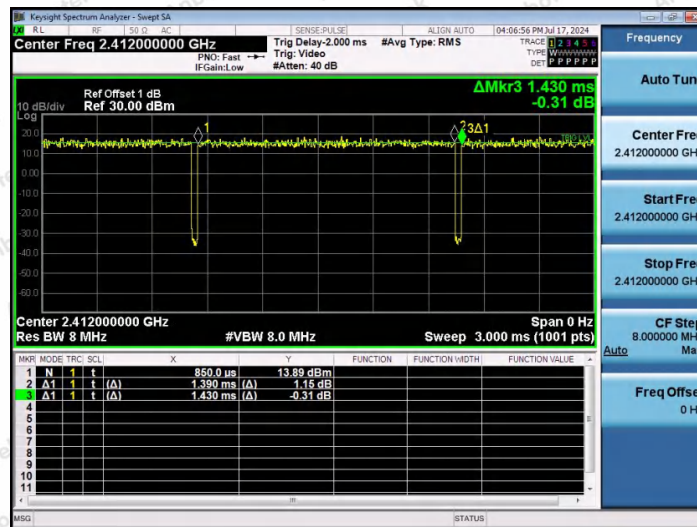
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



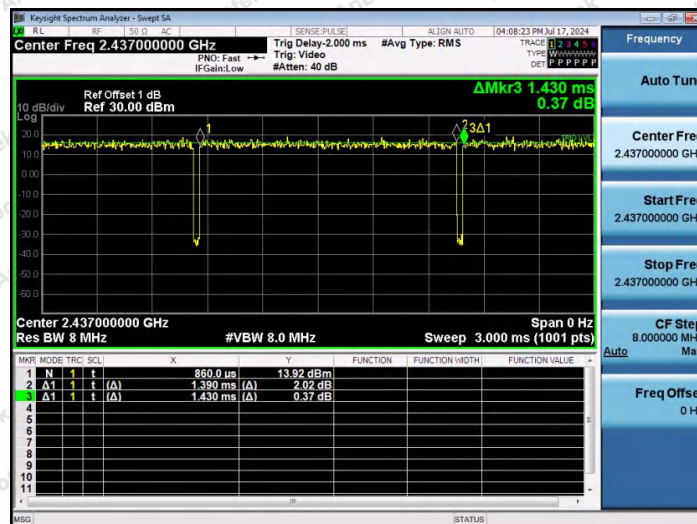
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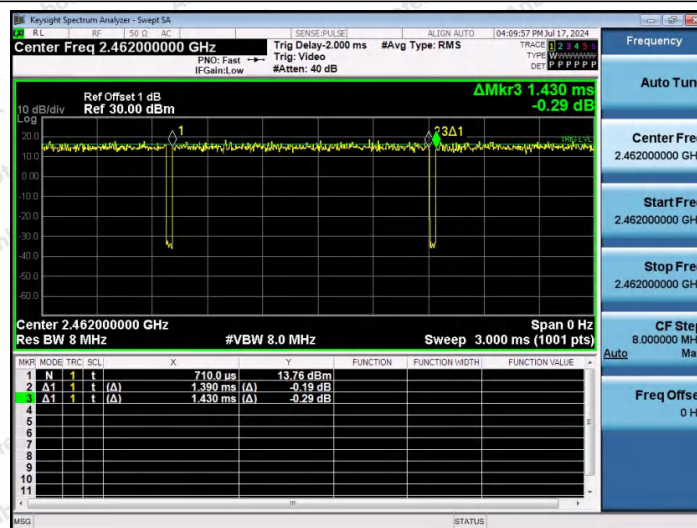
NTNV-11B-Ant1-2462



NTNV-11G-Ant1-2412



NTNV-11G-Ant1-2437



NTNV-11G-Ant1-2462

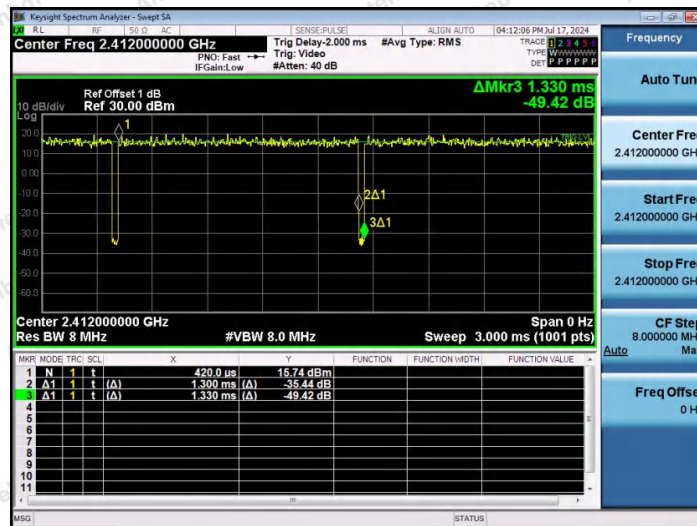
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 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

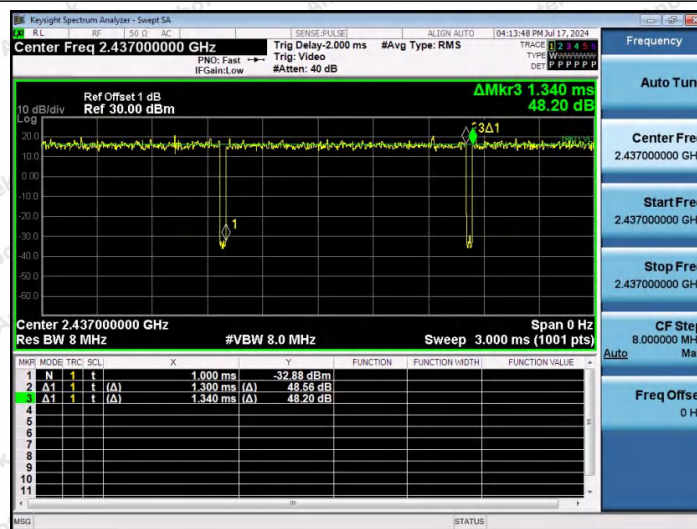


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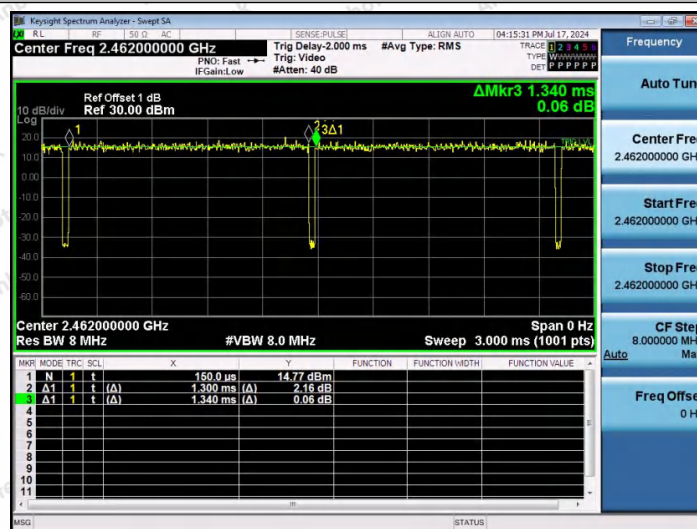




NTNV-11N20SISO-Ant1-2412



NTNV-11N20SISO-Ant1-2437



NTNV-11N20SISO-Ant1-2462

---End---

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