

Appendix Test Data

Report No.:	182514C400003102	Test Sample No.:	1-2-2
Start Test Date:	2024.5.20	Finish Test Date:	2024.5.30
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	24.5℃	Relative Humidity:	50%
Pressure:	101kPa		

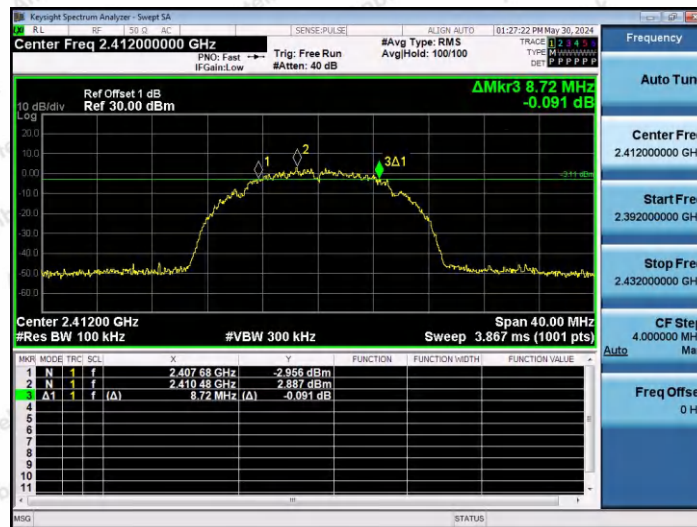
Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.720	2407.680	2416.400	0.5	PASS
11B	Ant1	2437	8.600	2432.480	2441.080	0.5	PASS
11B	Ant1	2462	7.960	2457.960	2465.920	0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	0.5	PASS
11G	Ant1	2437	16.320	2428.840	2445.160	0.5	PASS
11G	Ant1	2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	15.920	2403.840	2419.760	0.5	PASS
11N20SISO	Ant1	2437	16.520	2428.600	2445.120	0.5	PASS
11N20SISO	Ant1	2462	16.520	2453.640	2470.160	0.5	PASS



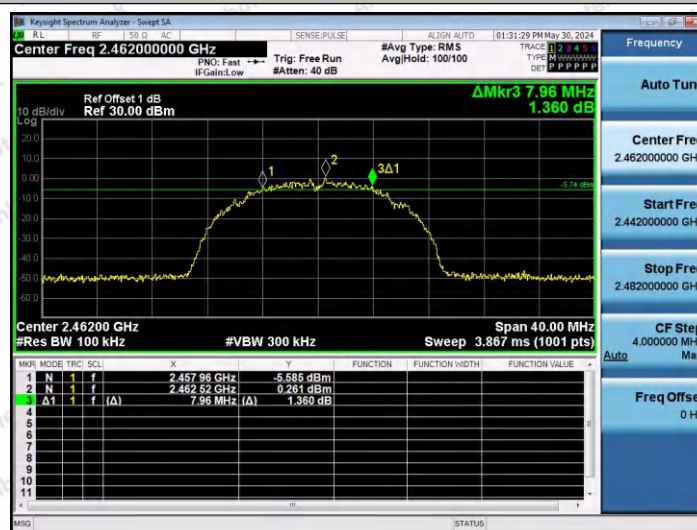
Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



11B-Ant1-2462-PASS

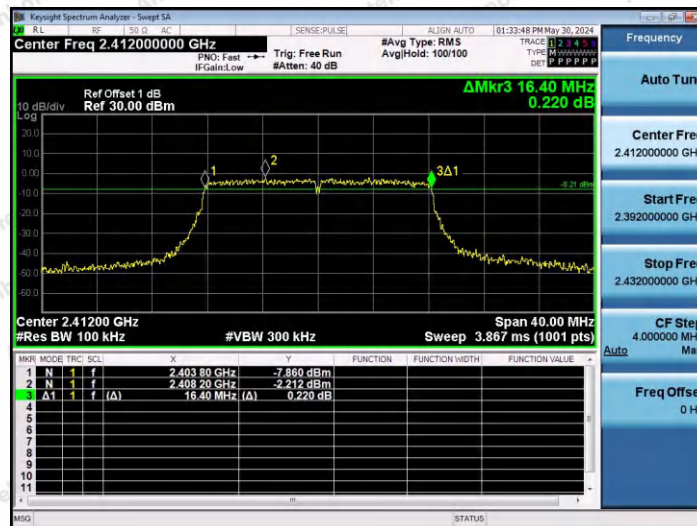
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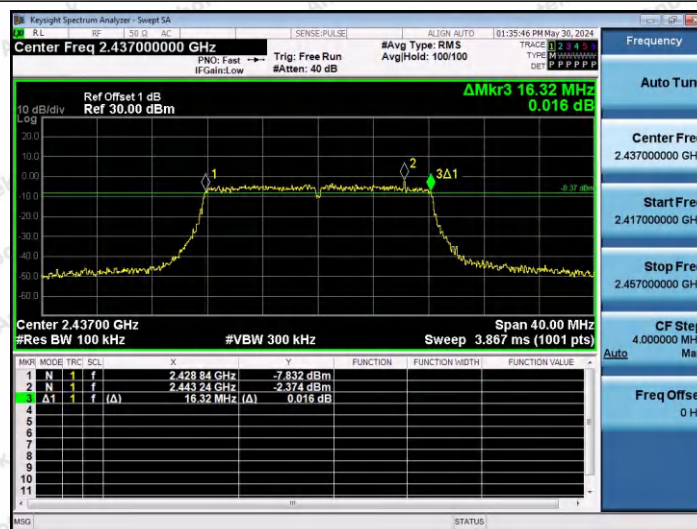


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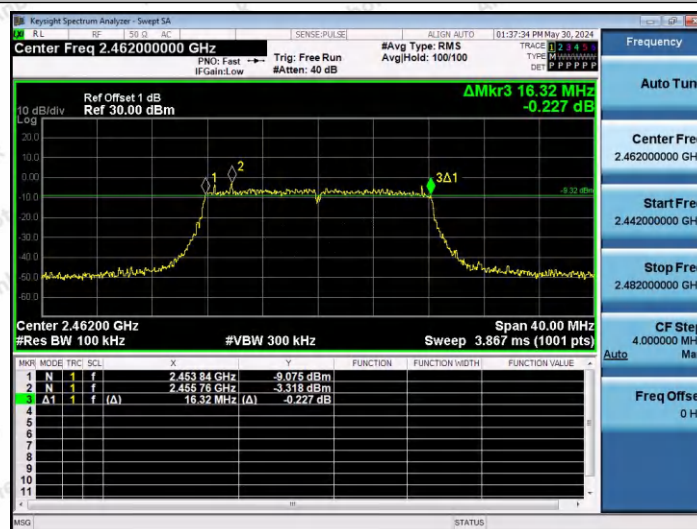




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



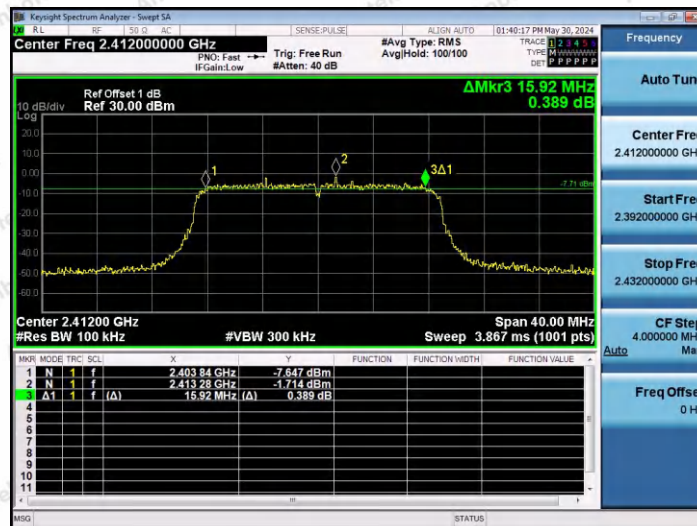
11G-Ant1-2462-PASS

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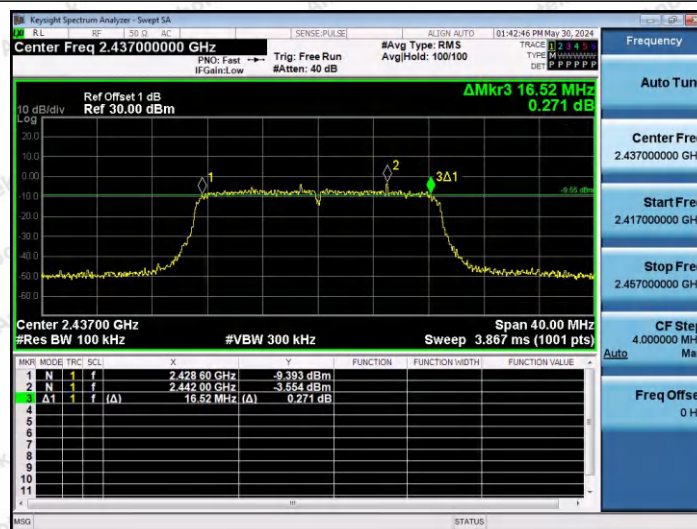
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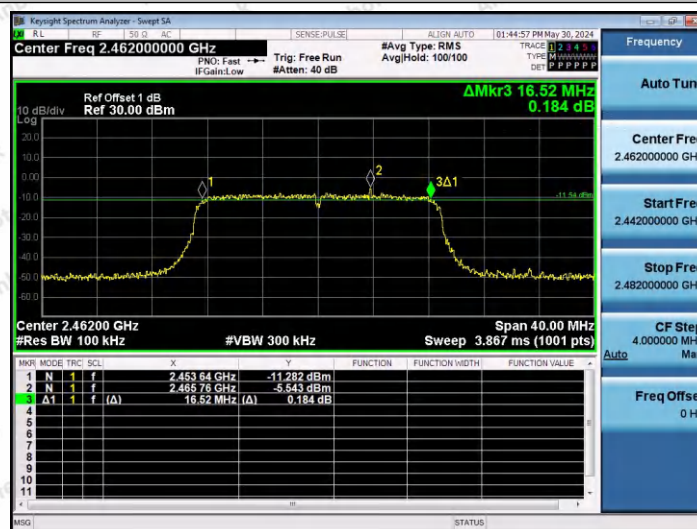




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

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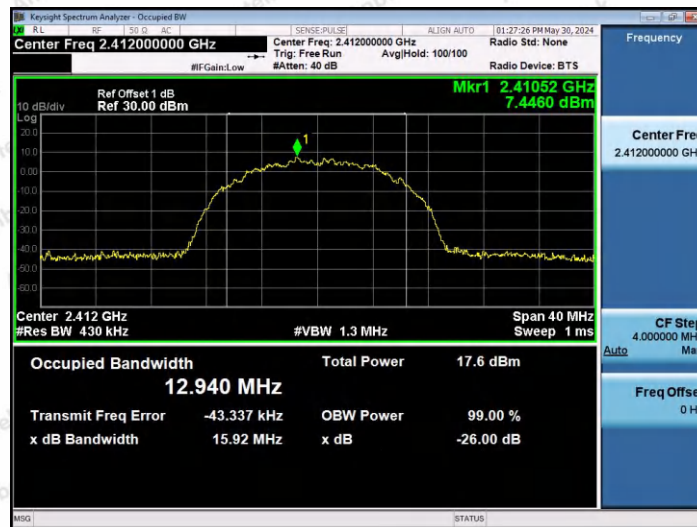
Appendix B: 99% Occupied Bandwidth

Test Result

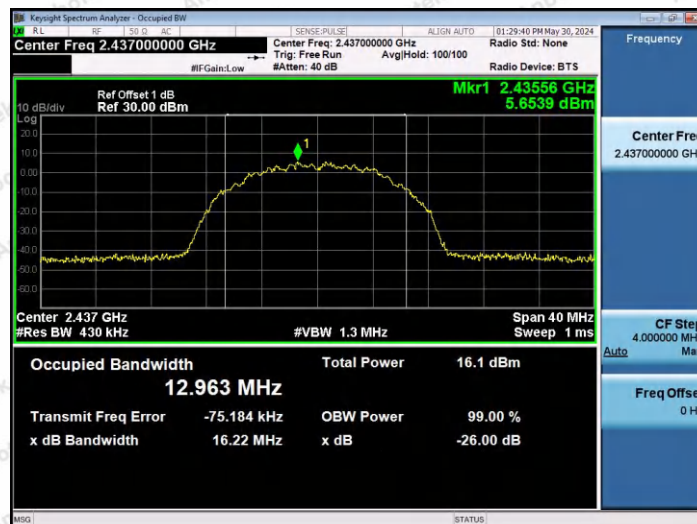
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.940	2405.4867	2418.4267	---	---
11B	Ant1	2437	12.963	2430.4433	2443.4063	---	---
11B	Ant1	2462	12.932	2455.4817	2468.4137	---	---
11G	Ant1	2412	16.484	2403.7742	2420.2582	---	---
11G	Ant1	2437	16.508	2428.7582	2445.2662	---	---
11G	Ant1	2462	16.499	2453.7800	2470.2790	---	---
11N20SISO	Ant1	2412	17.262	2403.3816	2420.6436	---	---
11N20SISO	Ant1	2437	17.271	2428.3855	2445.6565	---	---
11N20SISO	Ant1	2462	17.272	2453.3743	2470.6463	---	---



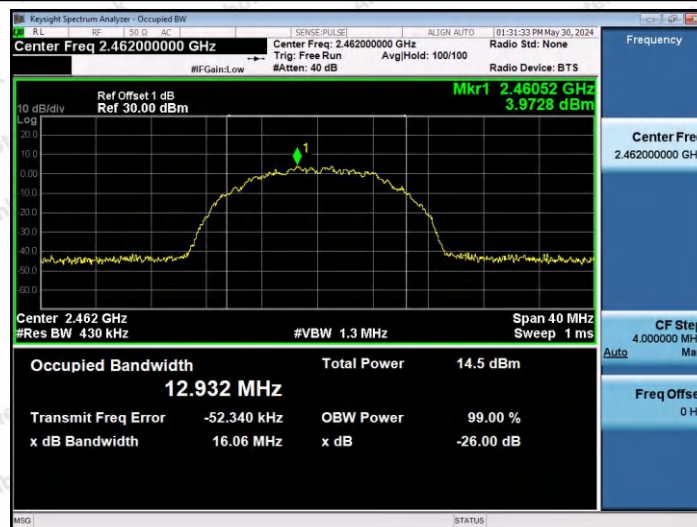
Test Graphs



11B-Ant1-2412



11B-Ant1-2437



11B-Ant1-2462

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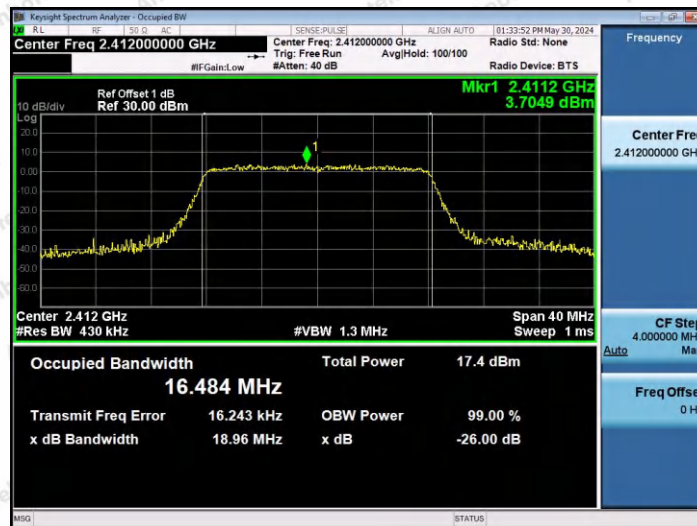


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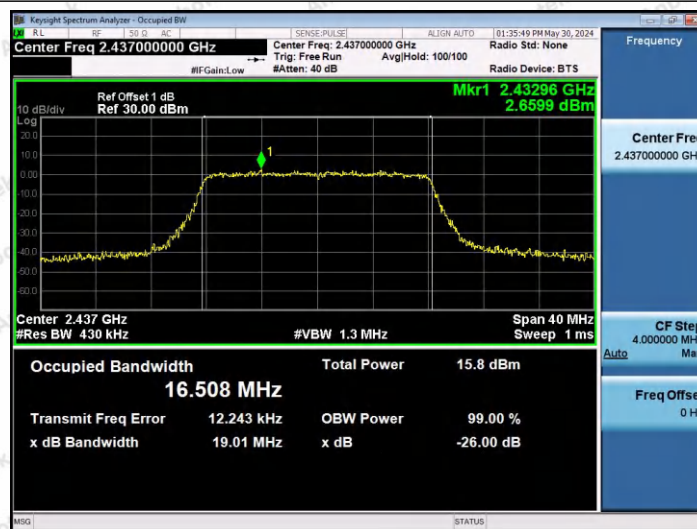
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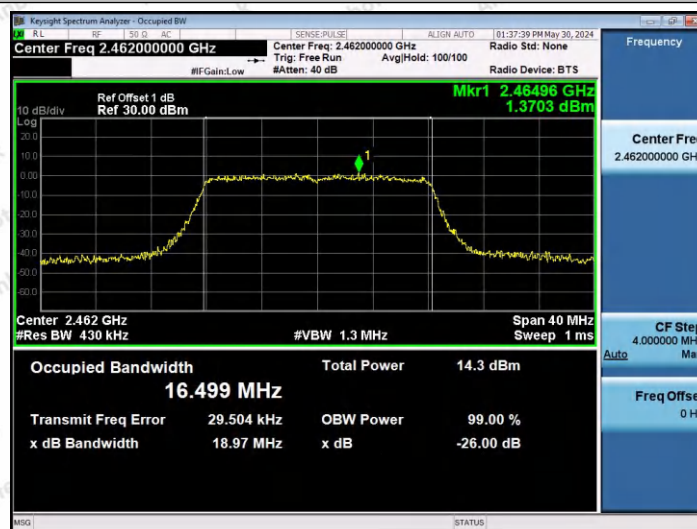




11G-Ant1-2412



11G-Ant1-2437



11G-Ant1-2462

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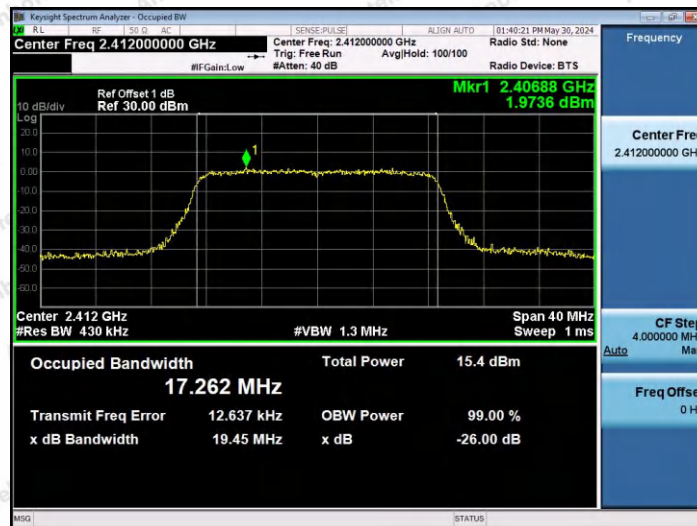


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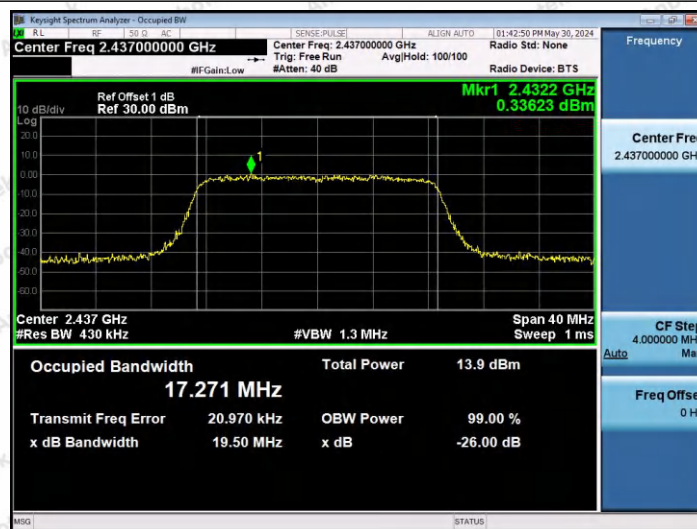
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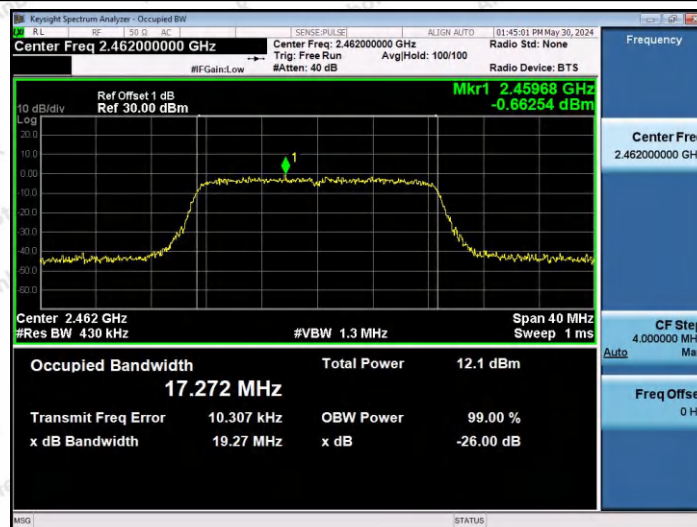




11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



11N20SISO-Ant1-2462

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Appendix C: Maximum conducted output power

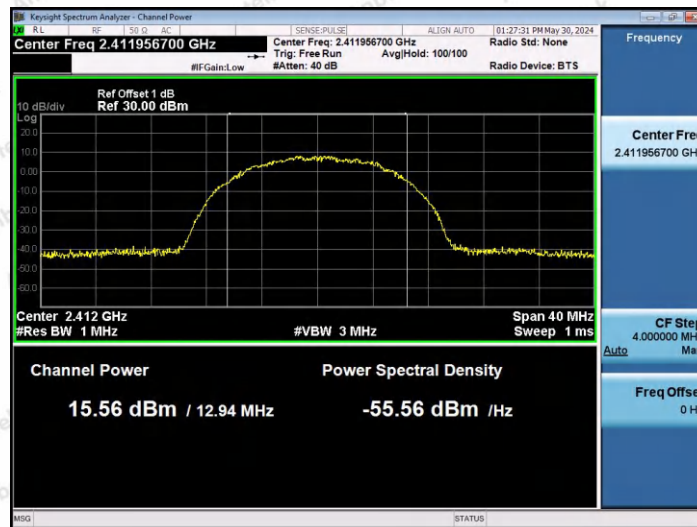
Test Result Average

Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	15.56	100.00	0.00	15.56	≤36.00	PASS
11B	Ant1	2437	14.14	100.00	0.00	14.14	≤36.00	PASS
11B	Ant1	2462	12.61	100.00	0.00	12.61	≤36.00	PASS
11G	Ant1	2412	15.75	99.46	0.02	15.77	≤36.00	PASS
11G	Ant1	2437	14.23	99.46	0.02	14.25	≤36.00	PASS
11G	Ant1	2462	12.69	99.46	0.02	12.71	≤36.00	PASS
11N20SISO	Ant1	2412	13.63	99.41	0.03	13.66	≤36.00	PASS
11N20SISO	Ant1	2437	12.16	99.61	0.02	12.18	≤36.00	PASS
11N20SISO	Ant1	2462	10.44	99.22	0.03	10.47	≤36.00	PASS

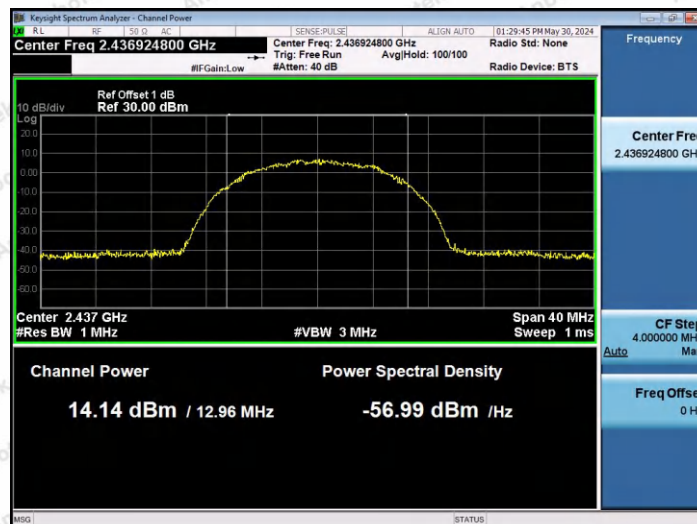
Note: The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.



Test Graphs Average



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



11B-Ant1-2462-PASS

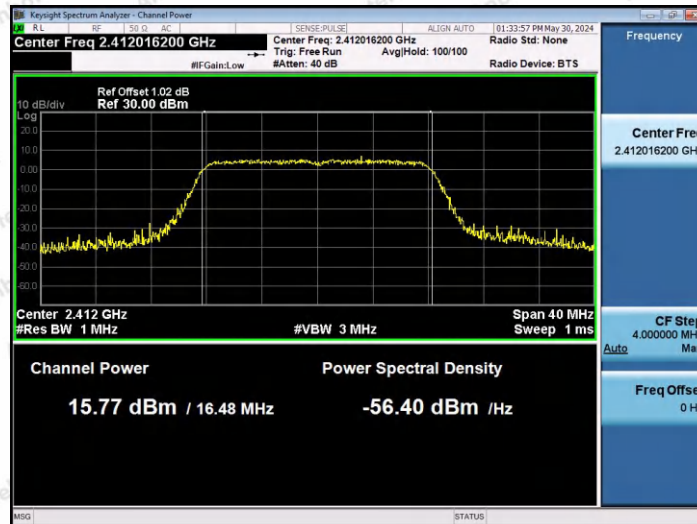
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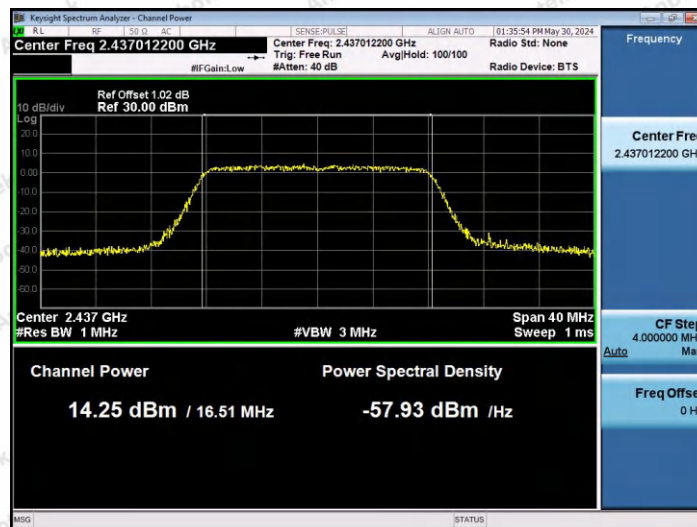


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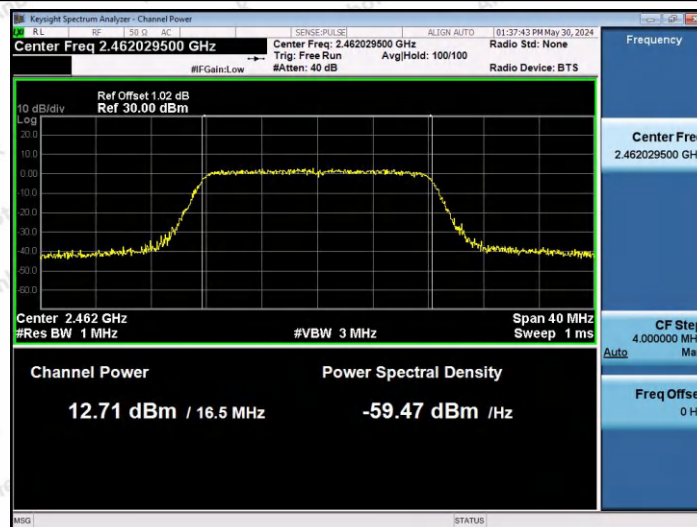




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

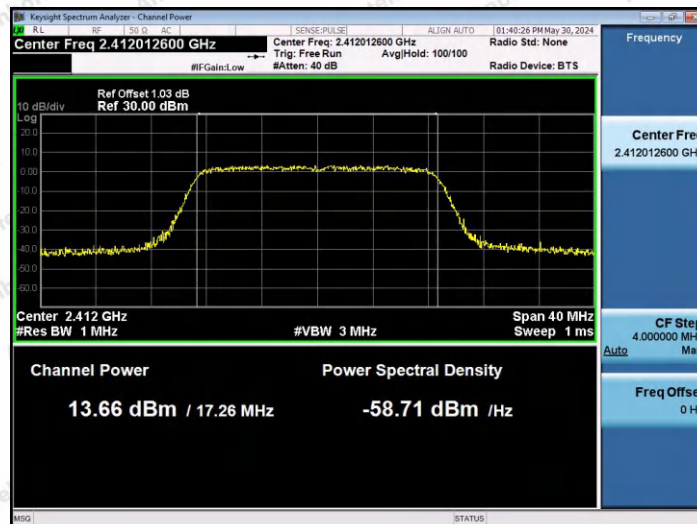
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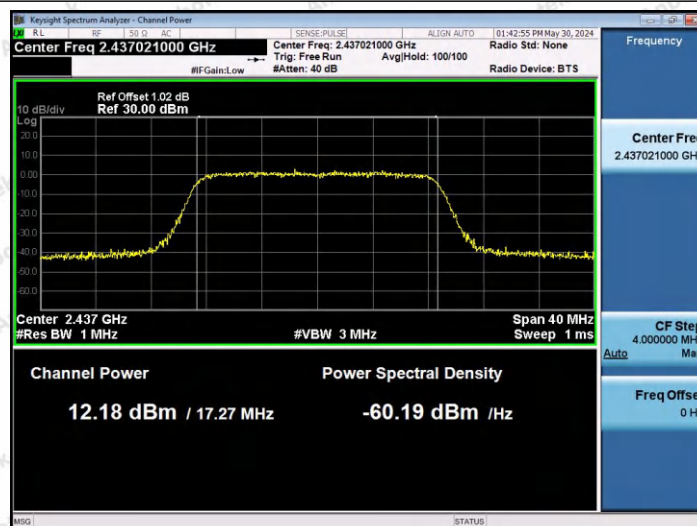


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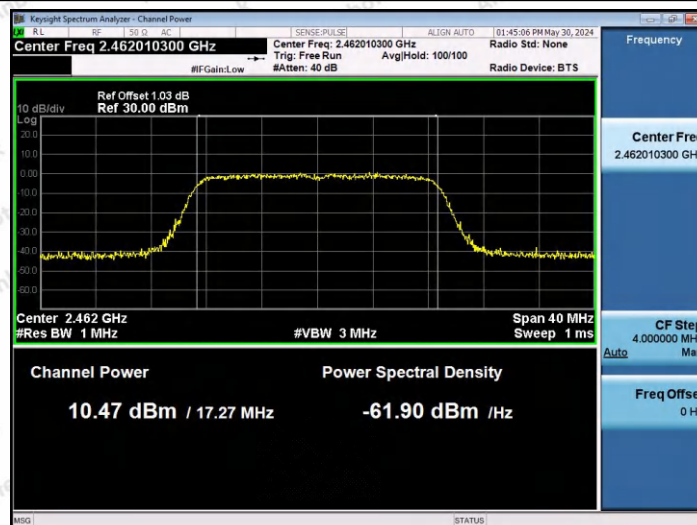




11N20SISO-Ant1-2412-PASS



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	-10.22	-20.22	≤8.00	PASS
11B	Ant1	2437	-12.13	-22.13	≤8.00	PASS
11B	Ant1	2462	-13.92	-23.92	≤8.00	PASS
11G	Ant1	2412	-12.99	-22.99	≤8.00	PASS
11G	Ant1	2437	-14.39	-24.39	≤8.00	PASS
11G	Ant1	2462	-15.93	-25.93	≤8.00	PASS
11N20SIS O	Ant1	2412	-15.12	-25.12	≤8.00	PASS
11N20SIS O	Ant1	2437	-16.34	-26.34	≤8.00	PASS
11N20SIS O	Ant1	2462	-17.89	-27.89	≤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

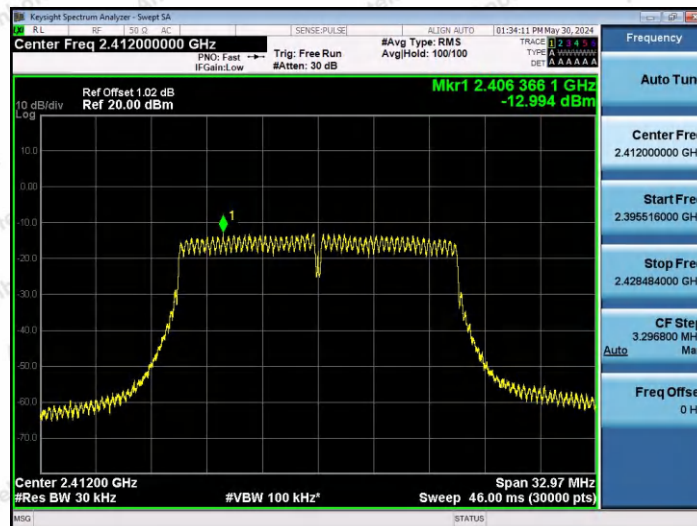
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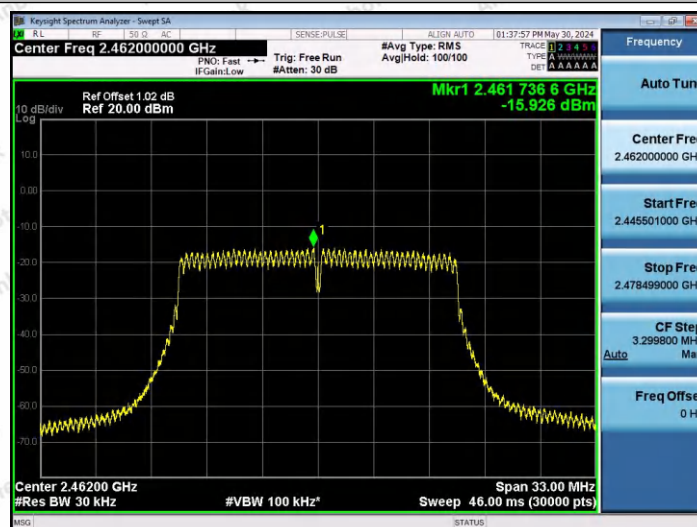




11G-Ant1-2412-PASS

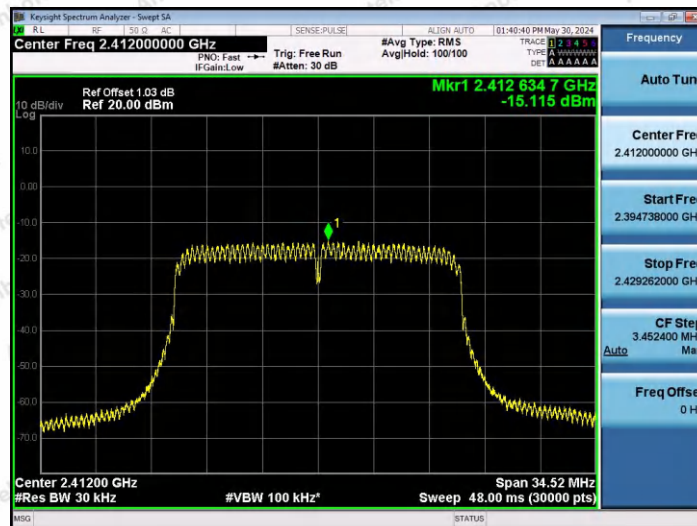


11G-Ant1-2437-PASS

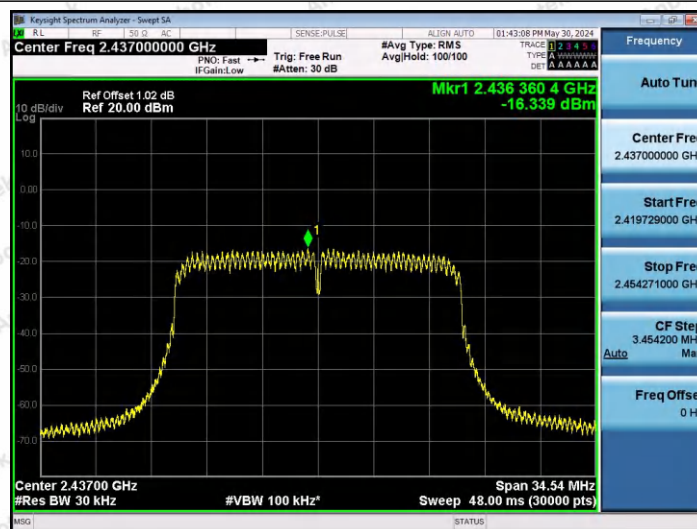


11G-Ant1-2462-PASS

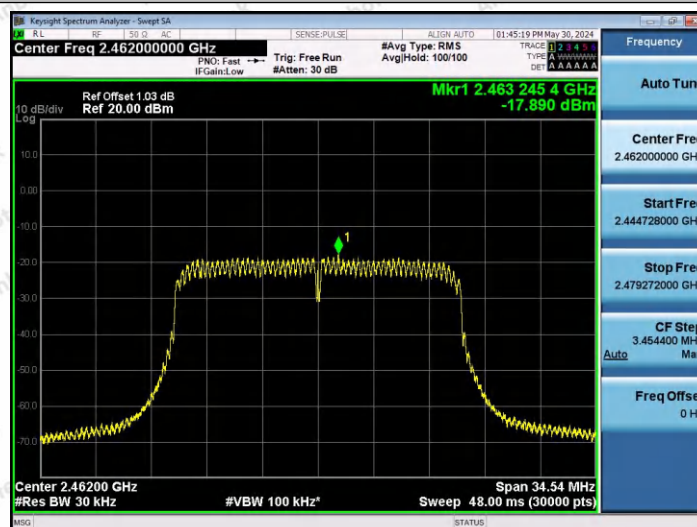




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

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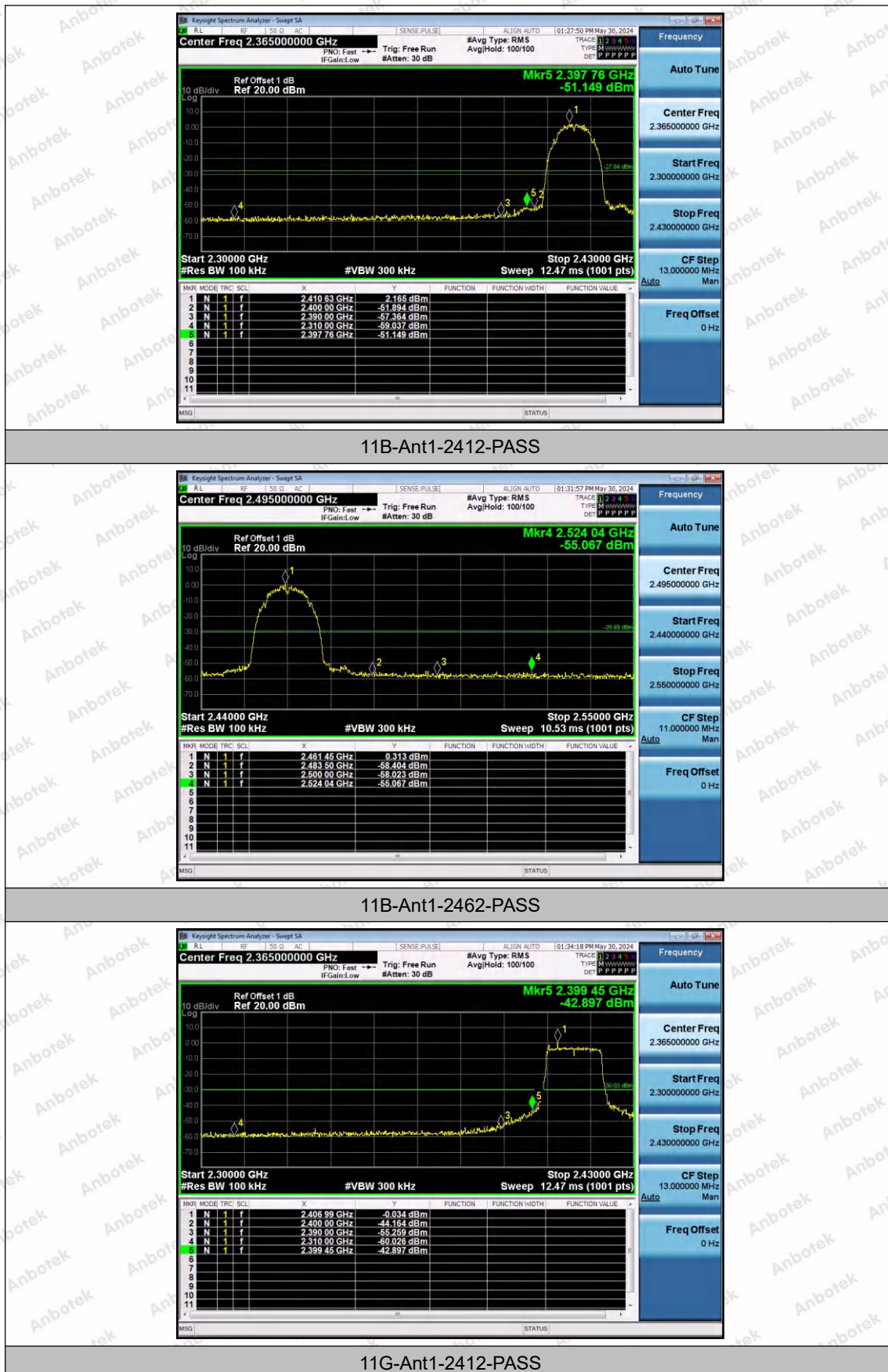
Appendix E: Conducted Band edge

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.17	-51.15	≤-27.84	PASS
11B	Ant1	High	2462	0.31	-55.07	≤-29.69	PASS
11G	Ant1	Low	2412	-0.03	-42.9	≤-30.03	PASS
11G	Ant1	High	2462	-4.93	-54.58	≤-34.93	PASS
11N20SISO	Ant1	Low	2412	-2.79	-48.51	≤-32.79	PASS
11N20SISO	Ant1	High	2462	-6.15	-55.7	≤-36.15	PASS



Test Graphs



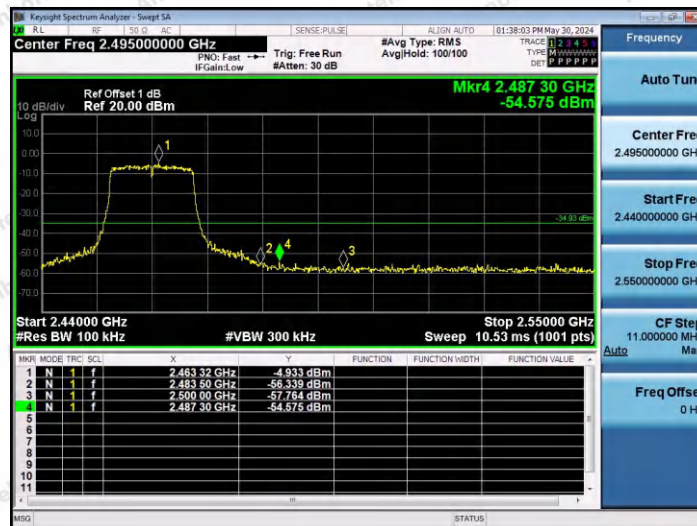
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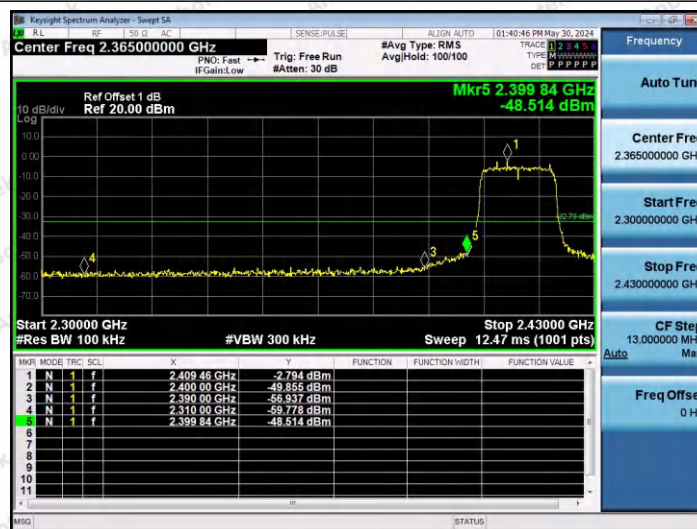


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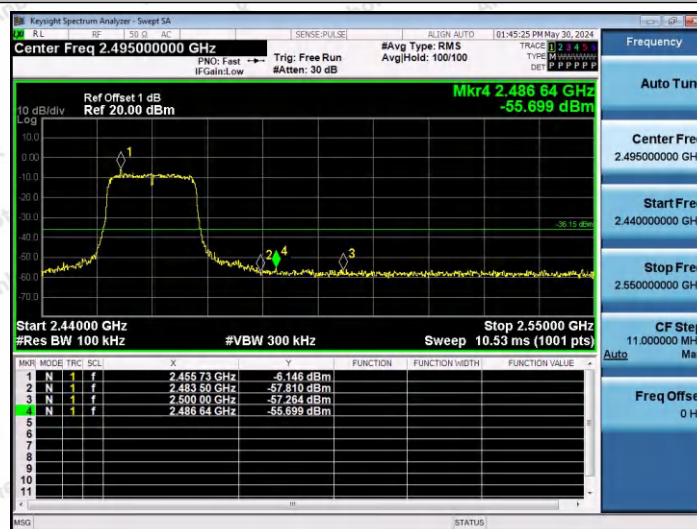




11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

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Appendix F: Conducted Spurious Emission

Test Result

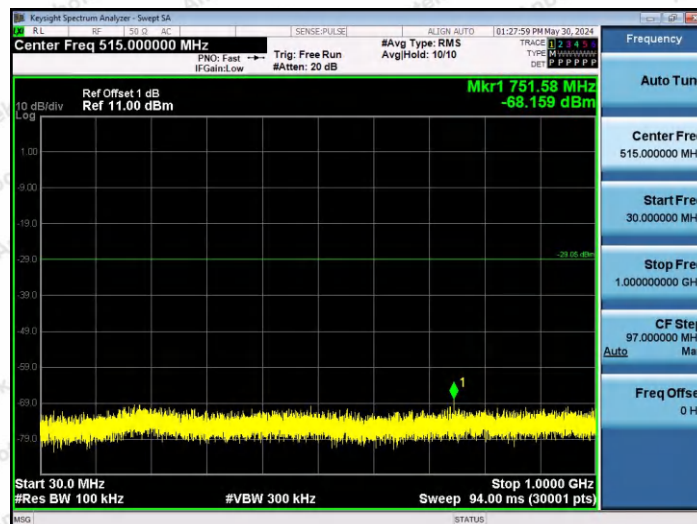
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	0.95	0.95	---	PASS
11B	Ant1	2412	30~1000	0.95	-68.16	≤-29.05	PASS
11B	Ant1	2412	1000~26500	0.95	-53.77	≤-29.05	PASS
11B	Ant1	2437	0~Reference	-0.22	-0.22	---	PASS
11B	Ant1	2437	30~1000	-0.22	-67.8	≤-30.22	PASS
11B	Ant1	2437	1000~26500	-0.22	-53.69	≤-30.22	PASS
11B	Ant1	2462	0~Reference	-1.36	-1.36	---	PASS
11B	Ant1	2462	30~1000	-1.36	-69.1	≤-31.36	PASS
11B	Ant1	2462	1000~26500	-1.36	-53.81	≤-31.36	PASS
11G	Ant1	2412	0~Reference	-3.20	-3.20	---	PASS
11G	Ant1	2412	30~1000	-3.20	-69.17	≤-33.2	PASS
11G	Ant1	2412	1000~26500	-3.20	-52.15	≤-33.2	PASS
11G	Ant1	2437	0~Reference	-3.07	-3.07	---	PASS
11G	Ant1	2437	30~1000	-3.07	-68.73	≤-33.07	PASS
11G	Ant1	2437	1000~26500	-3.07	-53.3	≤-33.07	PASS
11G	Ant1	2462	0~Reference	-5.62	-5.62	---	PASS
11G	Ant1	2462	30~1000	-5.62	-68.48	≤-35.62	PASS
11G	Ant1	2462	1000~26500	-5.62	-52.77	≤-35.62	PASS
11N20SISO	Ant1	2412	0~Reference	-5.22	-5.22	---	PASS
11N20SISO	Ant1	2412	30~1000	-5.22	-68.85	≤-35.22	PASS
11N20SISO	Ant1	2412	1000~26500	-5.22	-52.69	≤-35.22	PASS
11N20SISO	Ant1	2437	0~Reference	-7.13	-7.13	---	PASS
11N20SISO	Ant1	2437	30~1000	-7.13	-63.47	≤-37.13	PASS
11N20SISO	Ant1	2437	1000~26500	-7.13	-52.99	≤-37.13	PASS
11N20SISO	Ant1	2462	0~Reference	-8.54	-8.54	---	PASS
11N20SISO	Ant1	2462	30~1000	-8.54	-68.48	≤-38.54	PASS
11N20SISO	Ant1	2462	1000~26500	-8.54	-54.05	≤-38.54	PASS



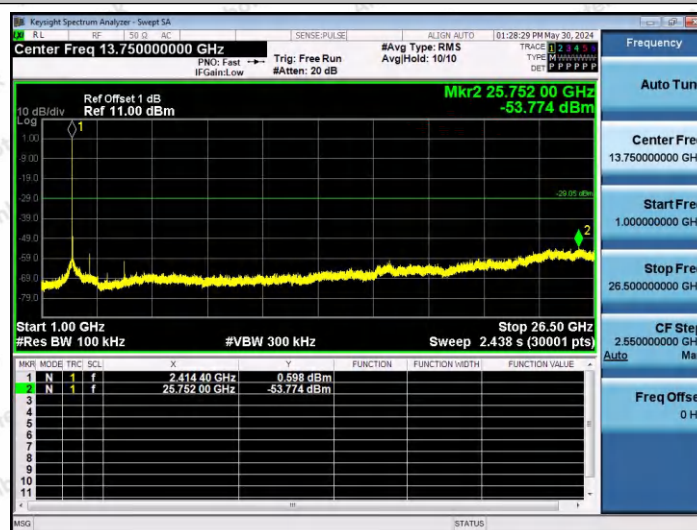
Test Graphs



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



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



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

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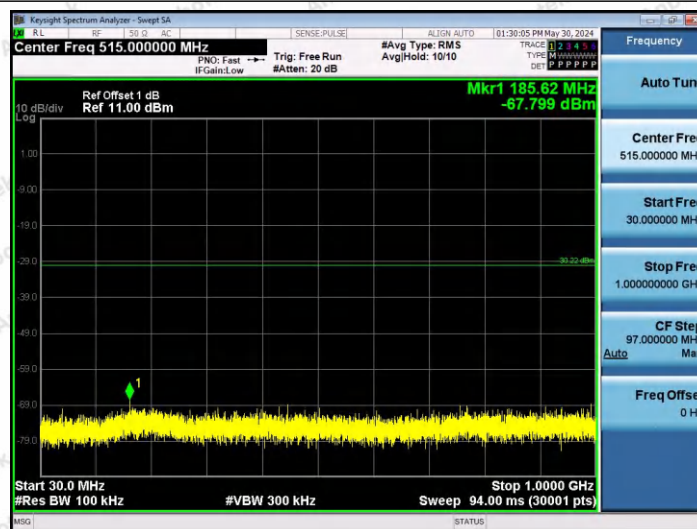


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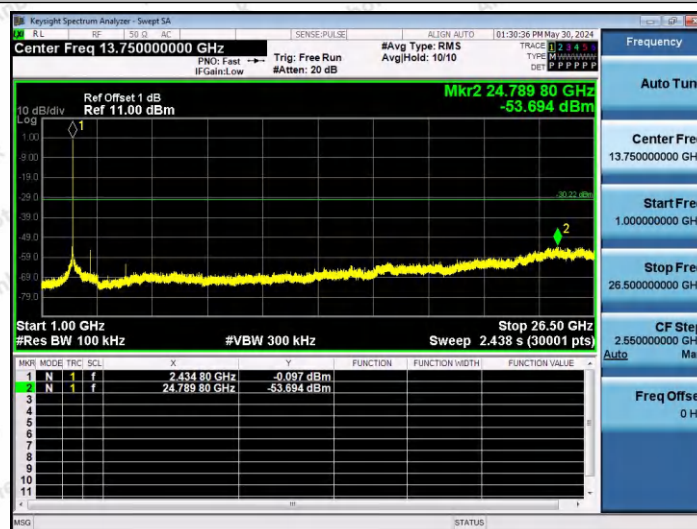




11B-Ant1-2437-0~Reference-PASS



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



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

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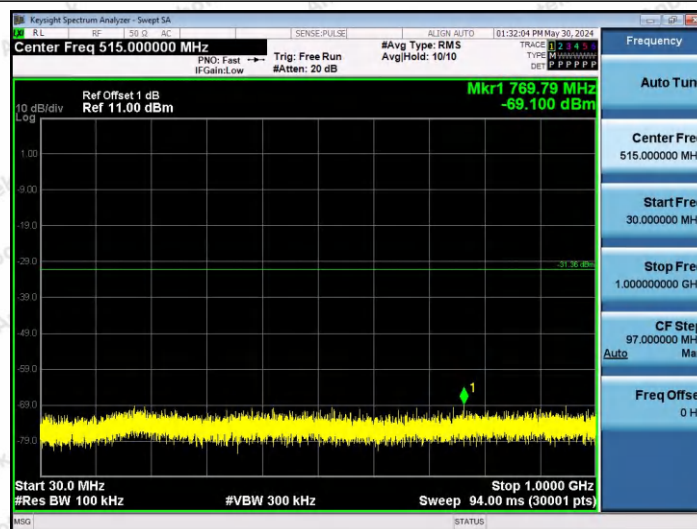


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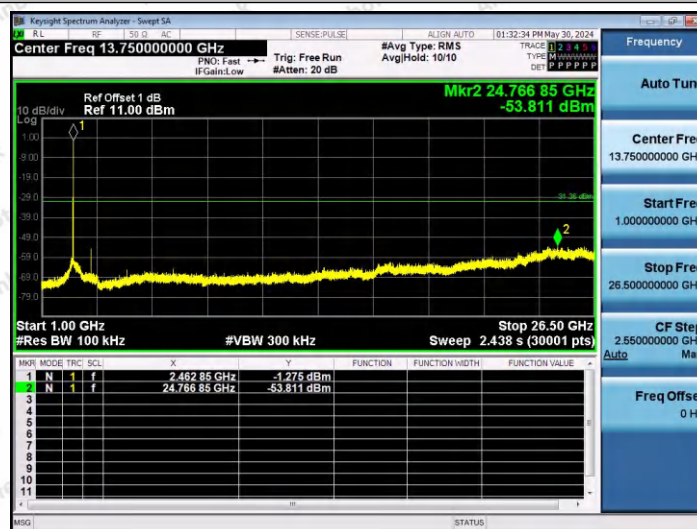




11B-Ant1-2462-0~Reference-PASS



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



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

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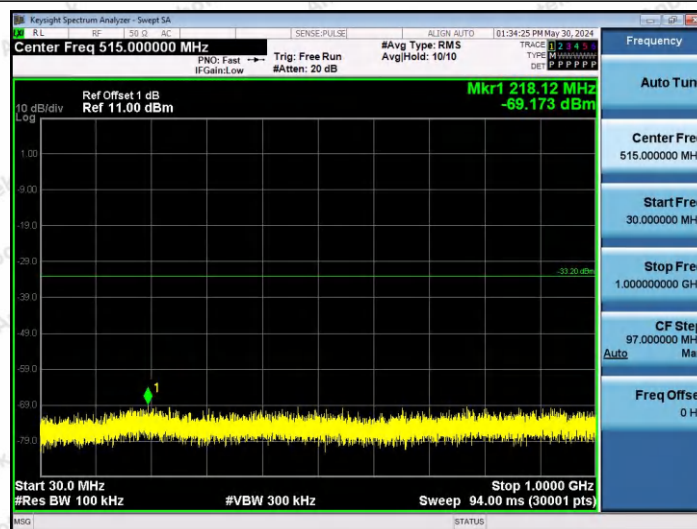


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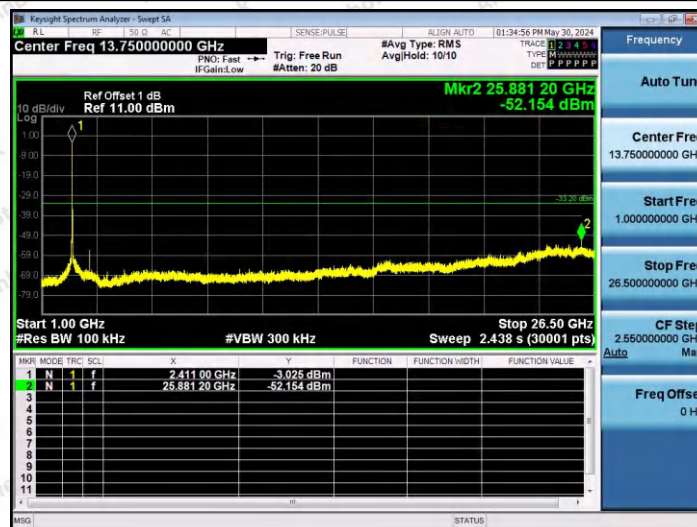




11G-Ant1-2412-0~Reference-PASS



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



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

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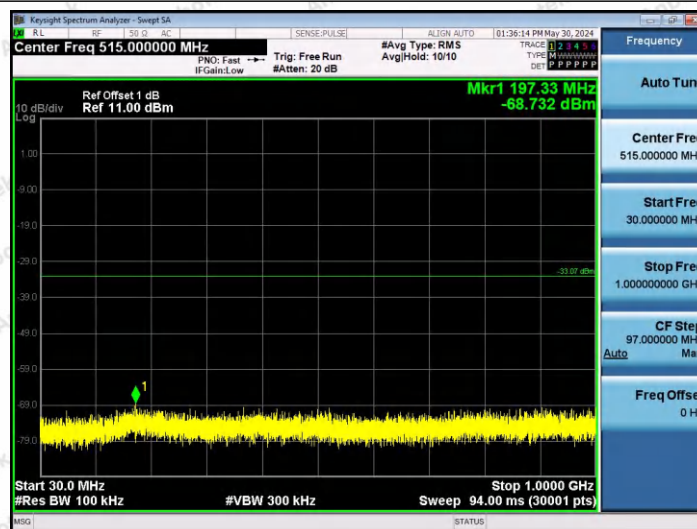


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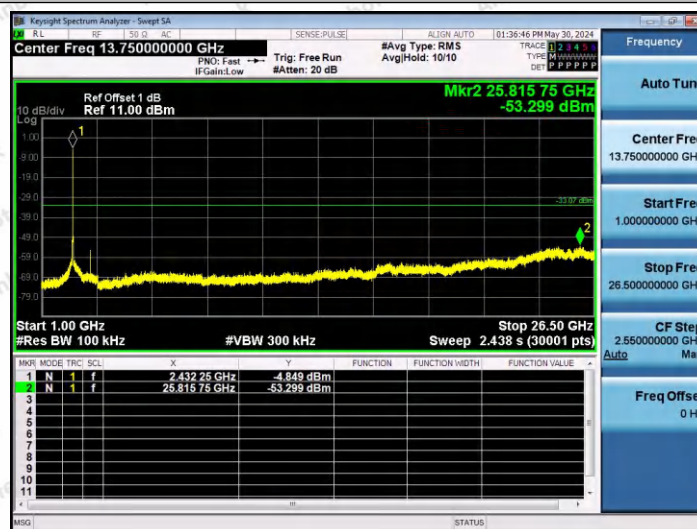




11G-Ant1-2437-0~Reference-PASS



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



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

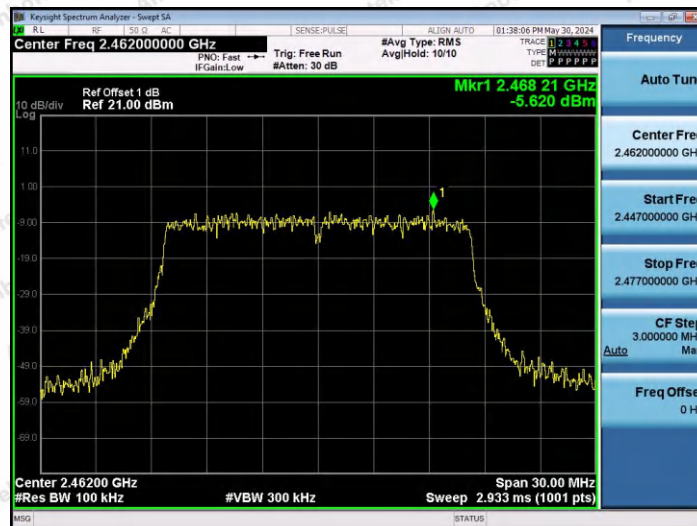
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 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

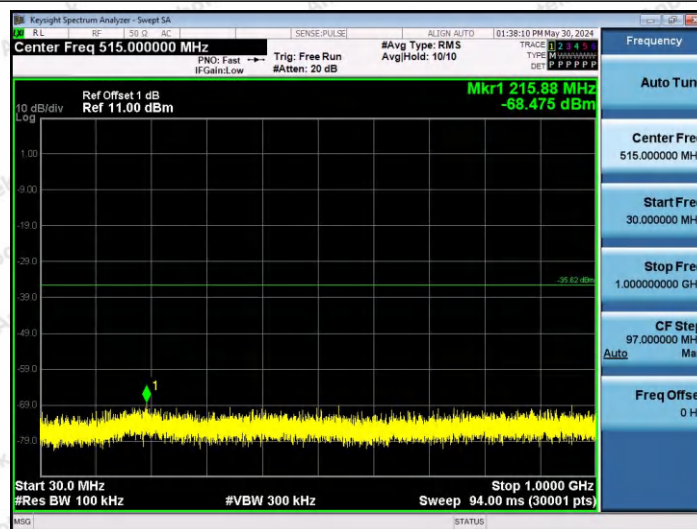


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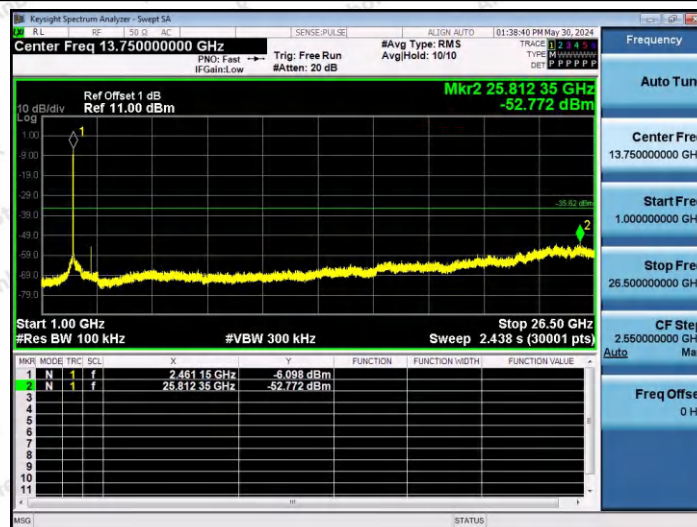




11G-Ant1-2462-0~Reference-PASS



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



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

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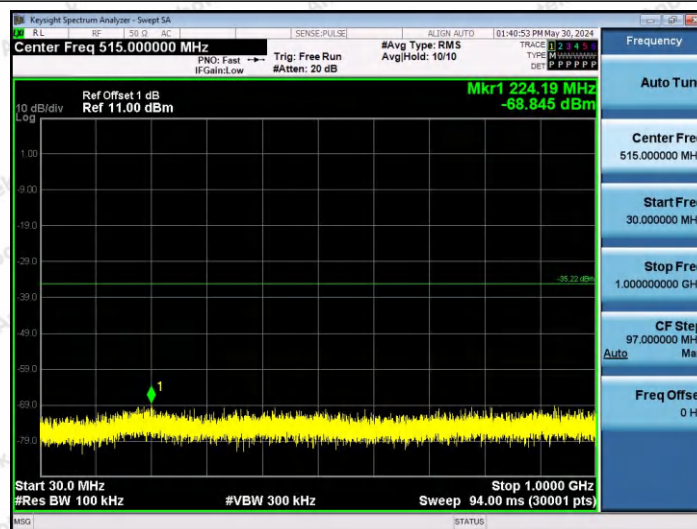


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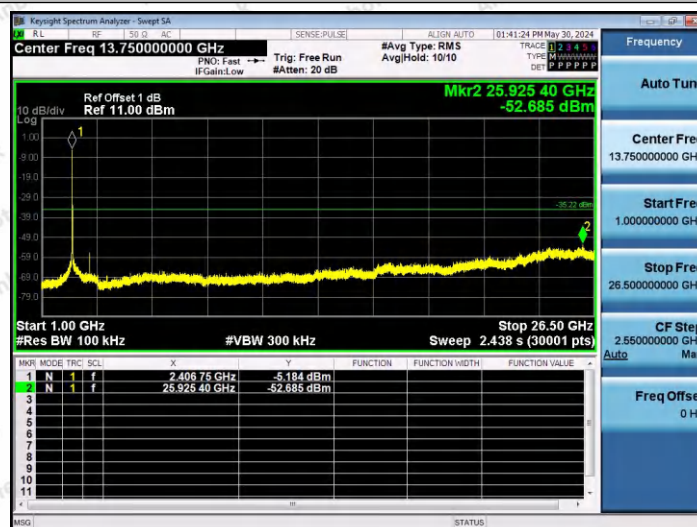




11N20SISO-Ant1-2412-0~Reference-PASS



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



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

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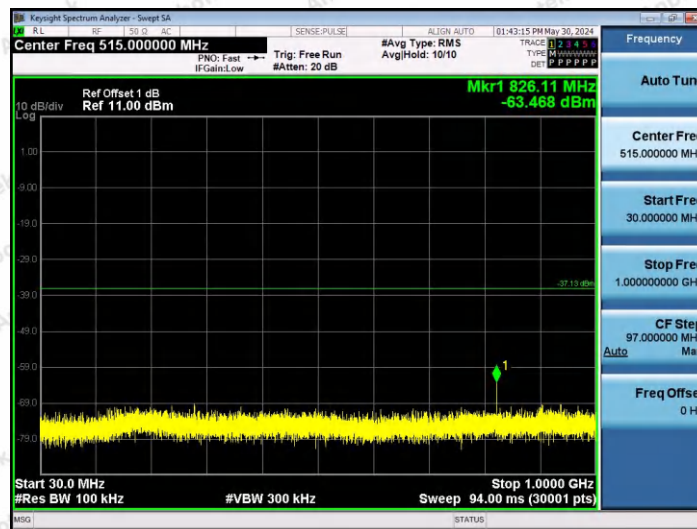


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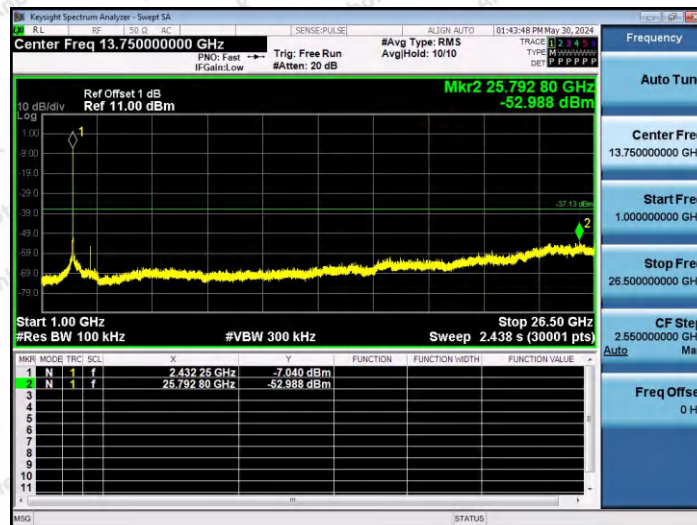




11N20SISO-Ant1-2437-0~Reference-PASS



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



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

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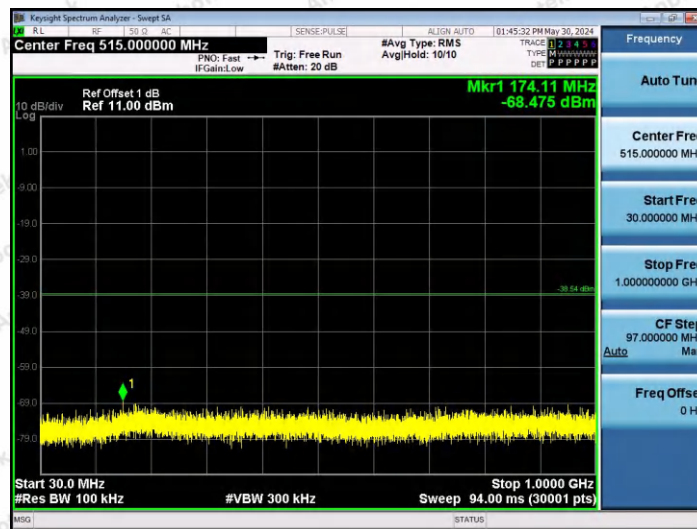


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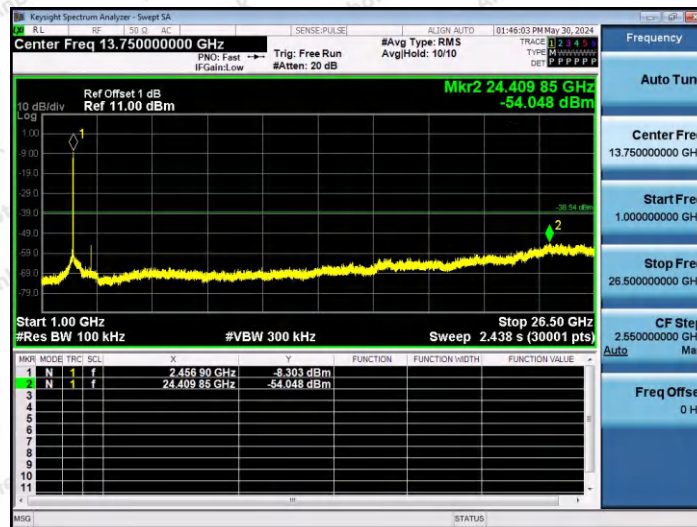




11N20SISO-Ant1-2462-0~Reference-PASS



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



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

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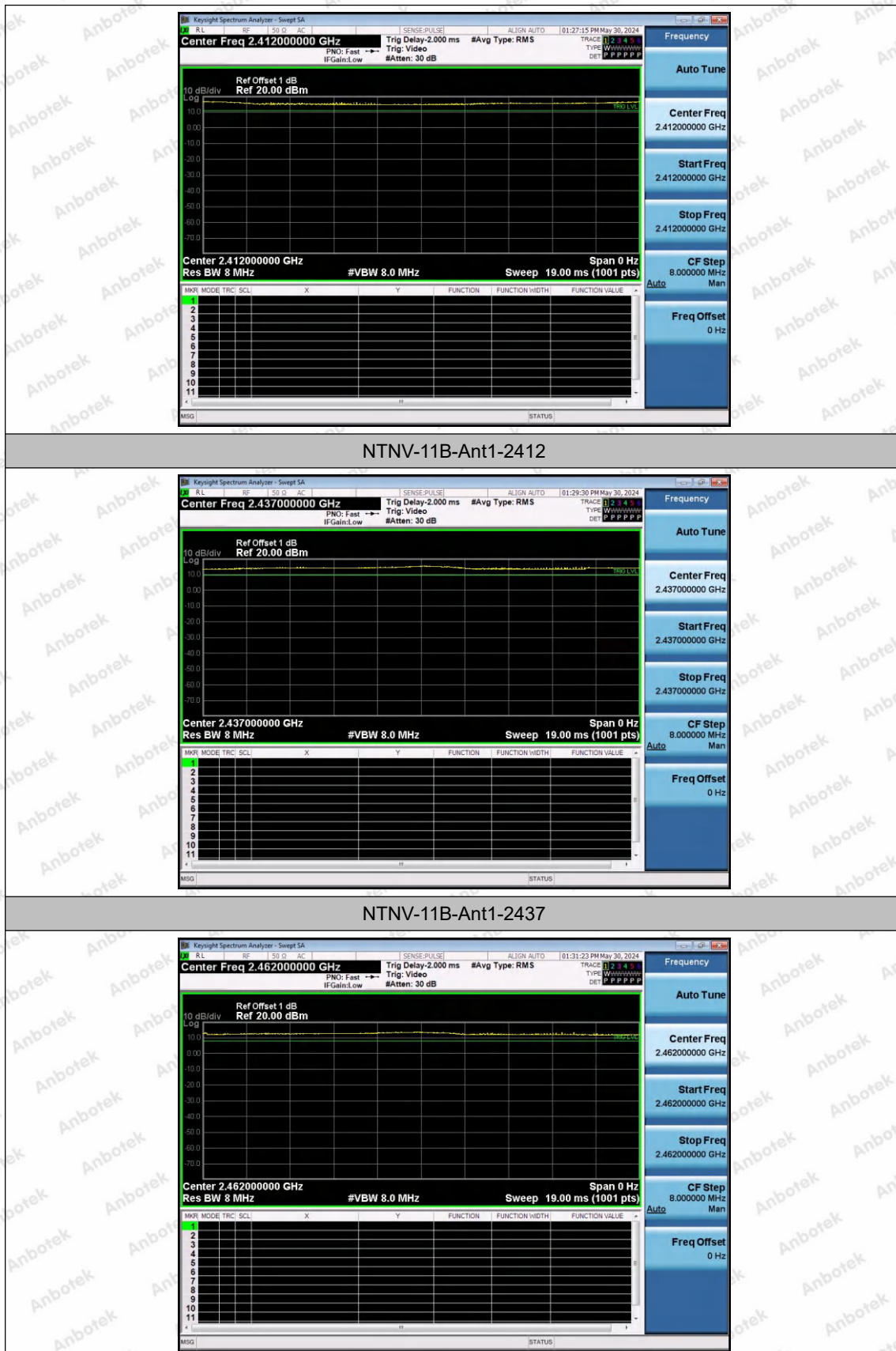
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	19.00	19.00	100.00	0.00
11B	Ant1	2437	19.00	19.00	100.00	0.00
11B	Ant1	2462	19.00	19.00	100.00	0.00
11G	Ant1	2412	5.48	5.51	99.46	0.02
11G	Ant1	2437	5.48	5.51	99.46	0.02
11G	Ant1	2462	5.48	5.51	99.46	0.02
11N20SISO	Ant1	2412	5.07	5.10	99.41	0.03
11N20SISO	Ant1	2437	5.09	5.11	99.61	0.02
11N20SISO	Ant1	2462	5.08	5.12	99.22	0.03



Test Graphs



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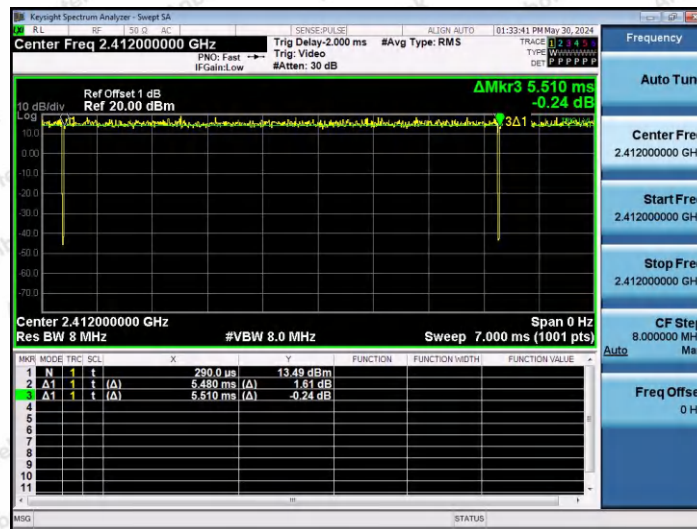
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



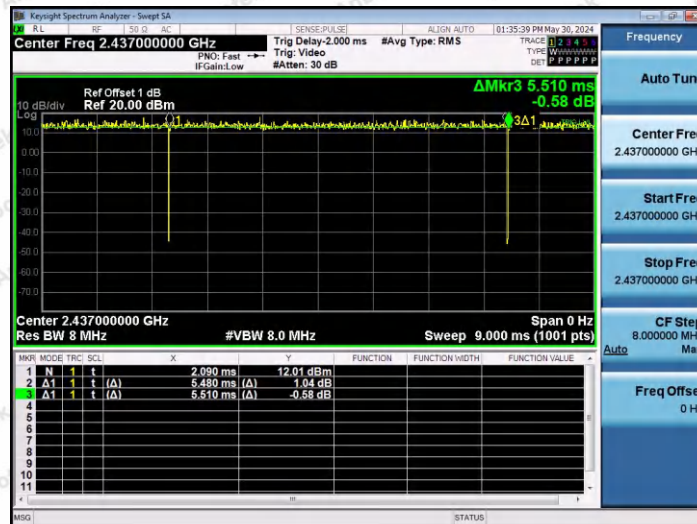
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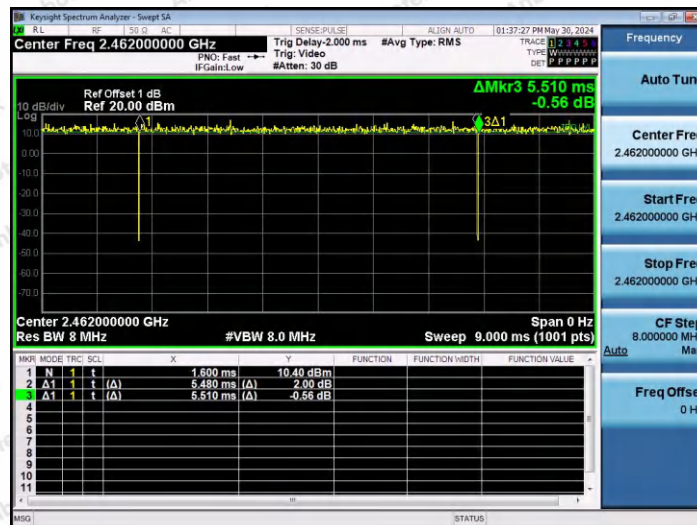
NTNV-11B-Ant1-2462



NTNV-11G-Ant1-2412



NTNV-11G-Ant1-2437



NTNV-11G-Ant1-2462

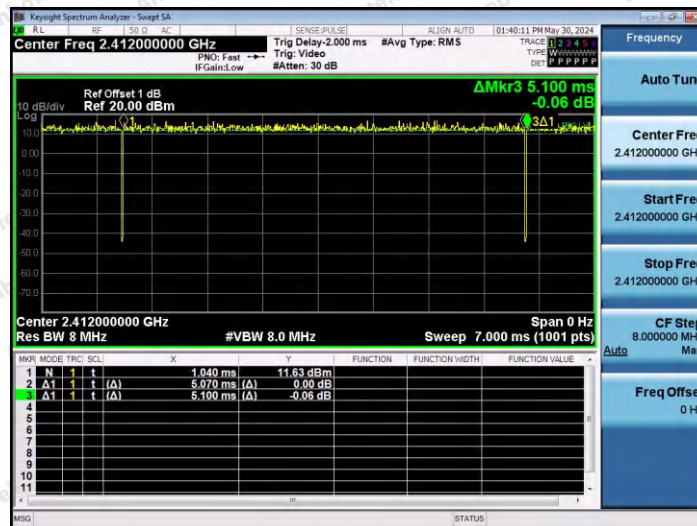
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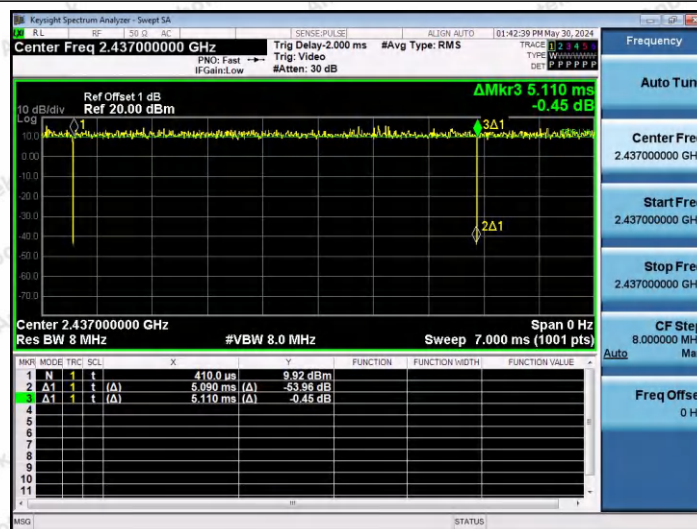


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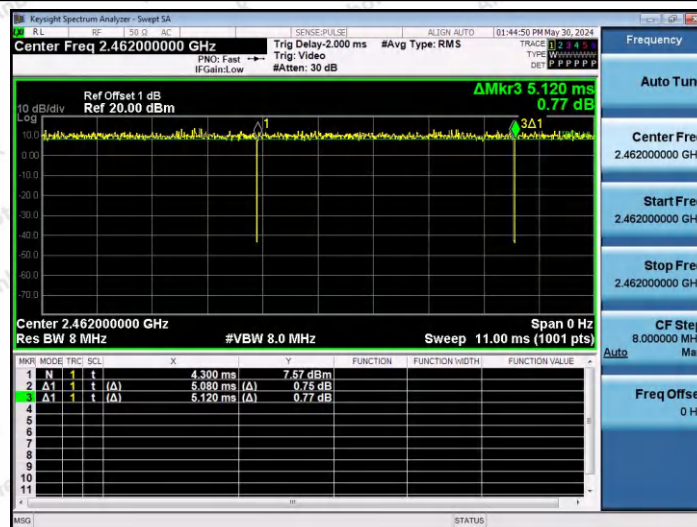




NTNV-11N20SISO-Ant1-2412



NTNV-11N20SISO-Ant1-2437



NTNV-11N20SISO-Ant1-2462

---End---

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