

Appendix Test Data

Report No.:	182512C400069101	Test Sample No.:	1-2-2
Start Test Date:	2024.5.26	Finish Test Date:	2024.5.31
Test Engineer:	Joker Huang	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	9.600	2407.480	2417.080	0.5	PASS
11B	Ant1	2437	9.080	2432.480	2441.560	0.5	PASS
11B	Ant1	2462	9.040	2457.560	2466.600	0.5	PASS
11G	Ant1	2412	16.000	2403.920	2419.920	0.5	PASS
11G	Ant1	2437	15.160	2429.760	2444.920	0.5	PASS
11G	Ant1	2462	15.800	2454.120	2469.920	0.5	PASS
11N20SISO	Ant1	2412	16.000	2403.920	2419.920	0.5	PASS
11N20SISO	Ant1	2437	12.000	2431.040	2443.040	0.5	PASS
11N20SISO	Ant1	2462	11.880	2456.160	2468.040	0.5	PASS



Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



11B-Ant1-2462-PASS

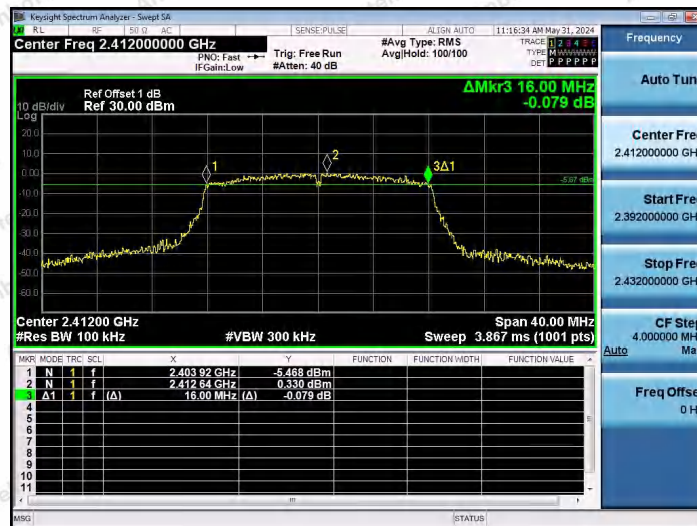
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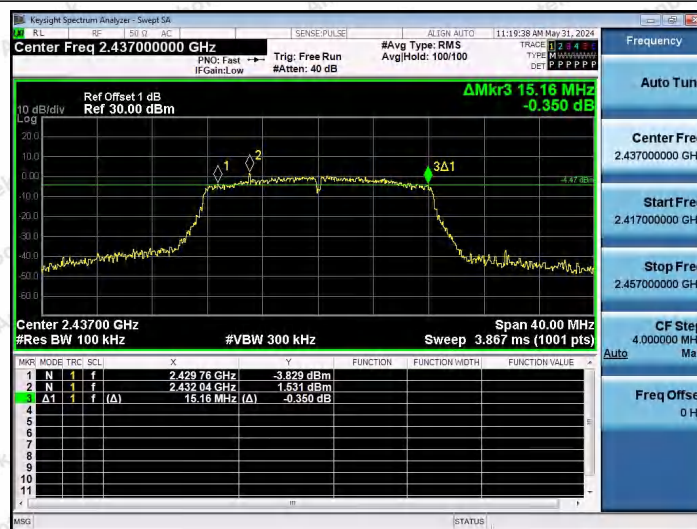


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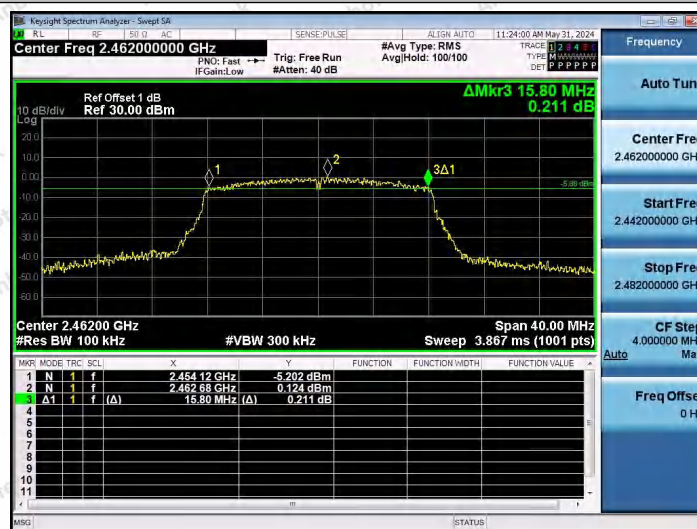




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



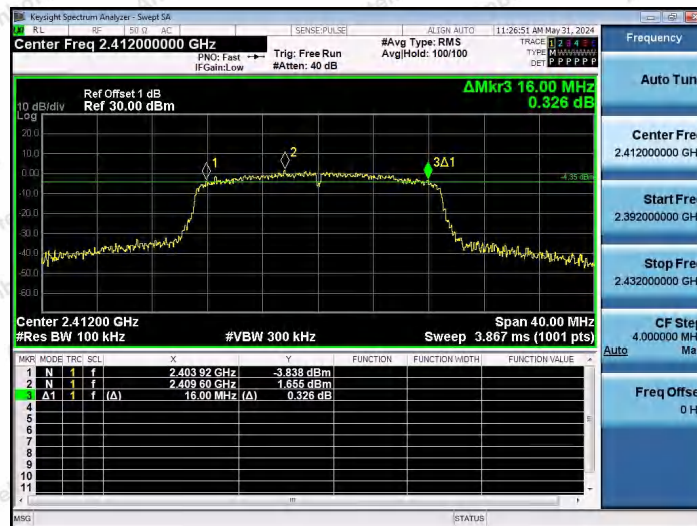
11G-Ant1-2462-PASS

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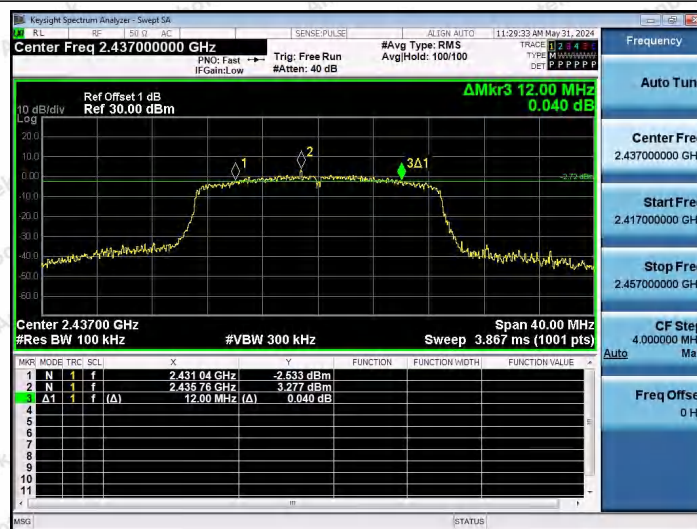
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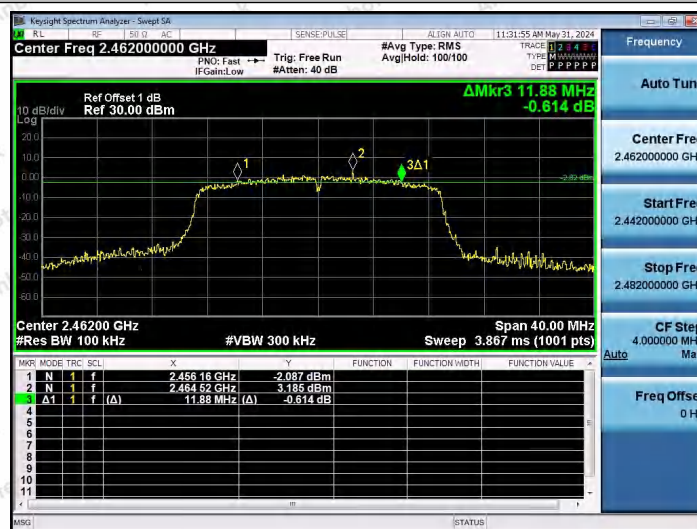




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

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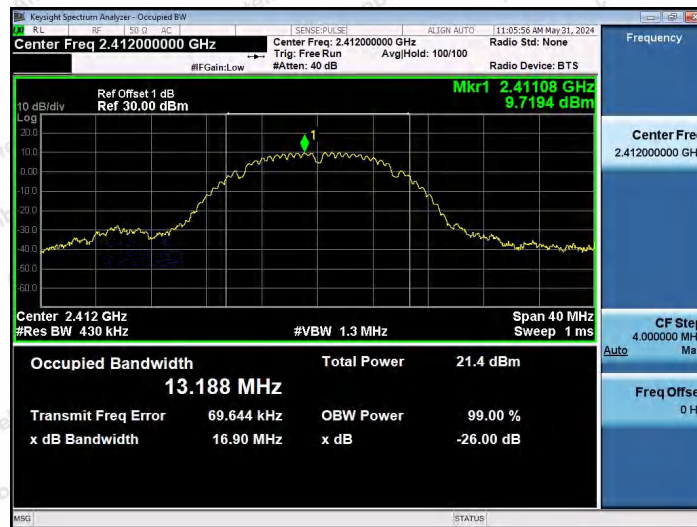
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.188	2405.4756	2418.6636	---	---
11B	Ant1	2437	13.138	2430.5034	2443.6414	---	---
11B	Ant1	2462	13.047	2455.5354	2468.5824	---	---
11G	Ant1	2412	16.375	2403.8755	2420.2505	---	---
11G	Ant1	2437	16.404	2428.8506	2445.2546	---	---
11G	Ant1	2462	16.356	2453.8982	2470.2542	---	---
11N20SISO	Ant1	2412	17.245	2403.4229	2420.6679	---	---
11N20SISO	Ant1	2437	17.268	2428.4298	2445.6978	---	---
11N20SISO	Ant1	2462	17.255	2453.4470	2470.7020	---	---



Test Graphs



11B-Ant1-2412



11B-Ant1-2437



11B-Ant1-2462

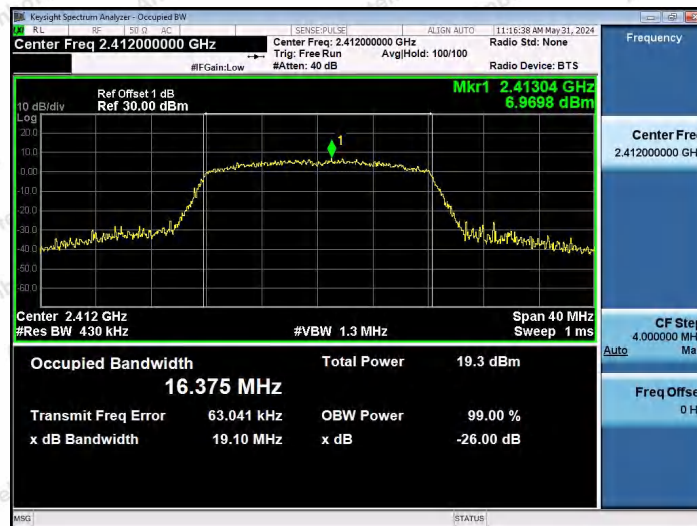
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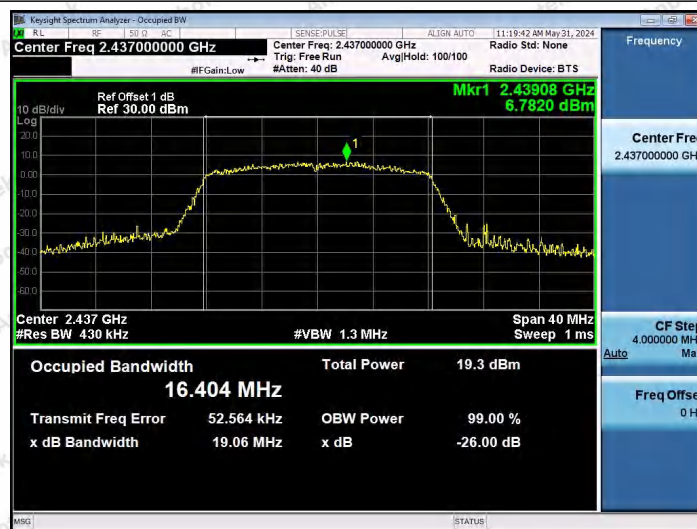


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11G-Ant1-2412



11G-Ant1-2437



11G-Ant1-2462

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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]	Limit [dBm]	Verdict
11B	Ant1	2412	17.82	87.22	0.59	18.41	≤30.00	PASS
11B	Ant1	2437	18.08	87.26	0.59	18.67	≤30.00	PASS
11B	Ant1	2462	17.68	87.26	0.59	18.27	≤30.00	PASS
11G	Ant1	2412	13.22	100.00	0.00	13.22	≤30.00	PASS
11G	Ant1	2437	13.15	100.00	0.00	13.15	≤30.00	PASS
11G	Ant1	2462	13.06	100.00	0.00	13.06	≤30.00	PASS
11N20SISO	Ant1	2412	13.99	100.00	0.00	13.99	≤30.00	PASS
11N20SISO	Ant1	2437	13.98	100.00	0.00	13.98	≤30.00	PASS
11N20SISO	Ant1	2462	13.76	100.00	0.00	13.76	≤30.00	PASS

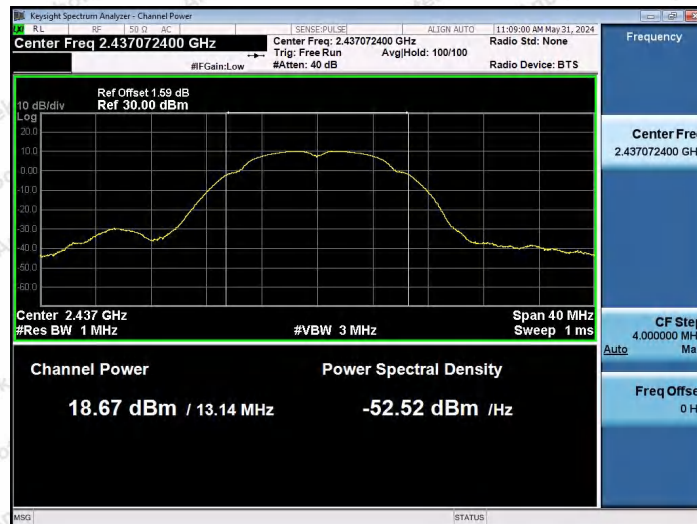
Note: The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.



Test Graphs Average



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



11B-Ant1-2462-PASS

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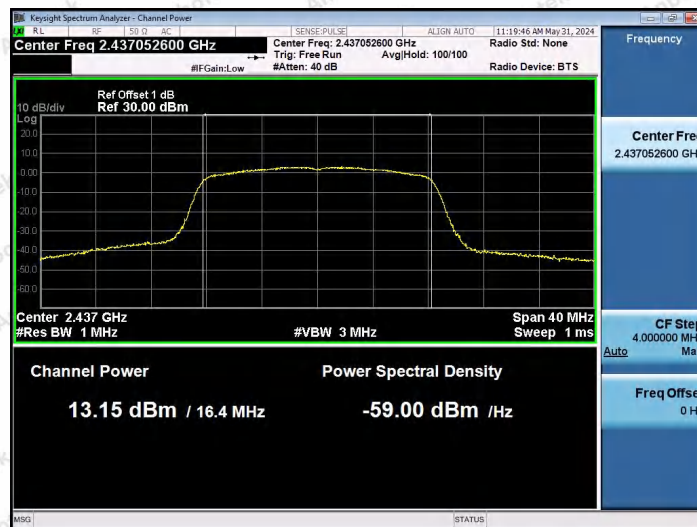


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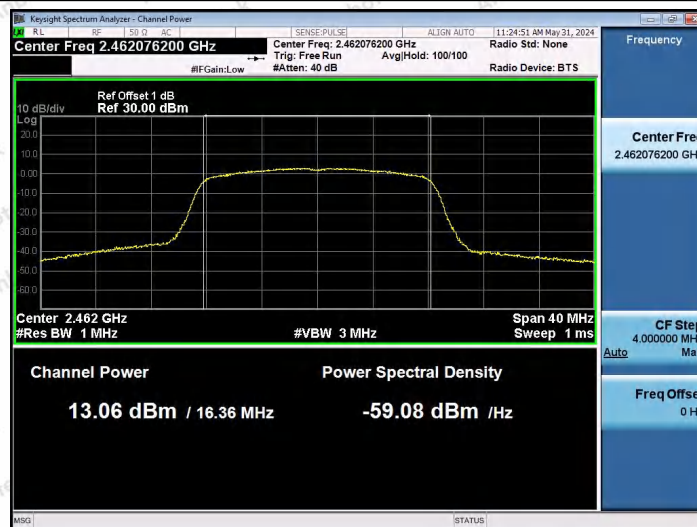




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

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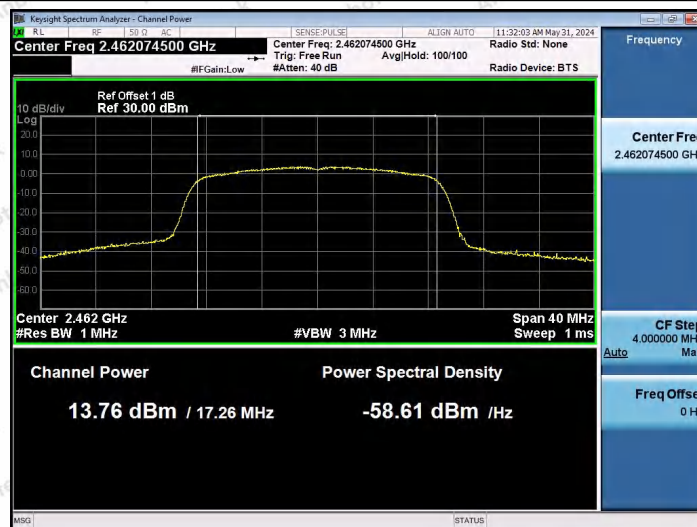




11N20SISO-Ant1-2412-PASS



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	-2.83	-12.83	≤8.00	PASS
11B	Ant1	2437	-3.53	-13.53	≤8.00	PASS
11B	Ant1	2462	-3.64	-13.64	≤8.00	PASS
11G	Ant1	2412	-6.59	-16.59	≤8.00	PASS
11G	Ant1	2437	-10.02	-20.02	≤8.00	PASS
11G	Ant1	2462	-8.31	-18.31	≤8.00	PASS
11N20SISO	Ant1	2412	-9.46	-19.46	≤8.00	PASS
11N20SISO	Ant1	2437	-7.09	-17.09	≤8.00	PASS
11N20SISO	Ant1	2462	-9.51	-19.51	≤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

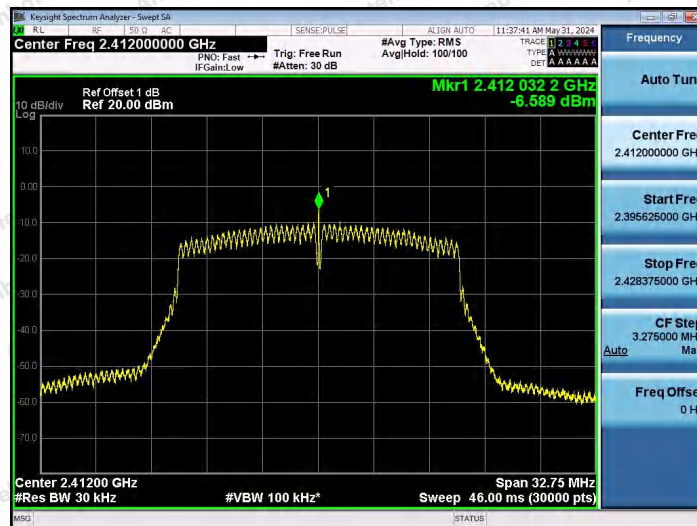
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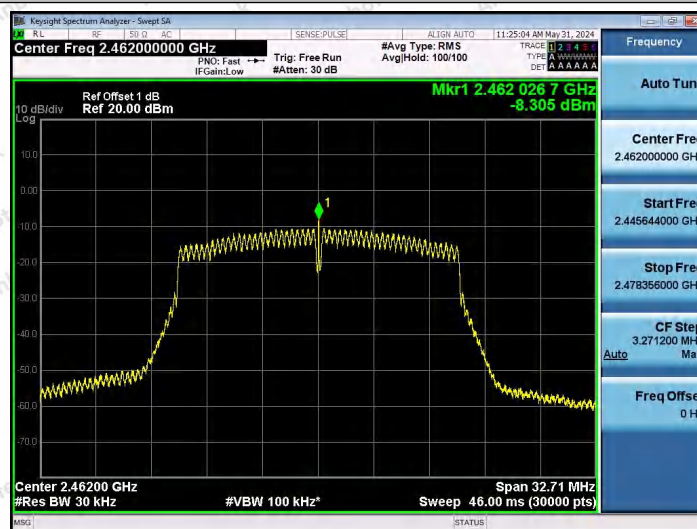




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

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11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

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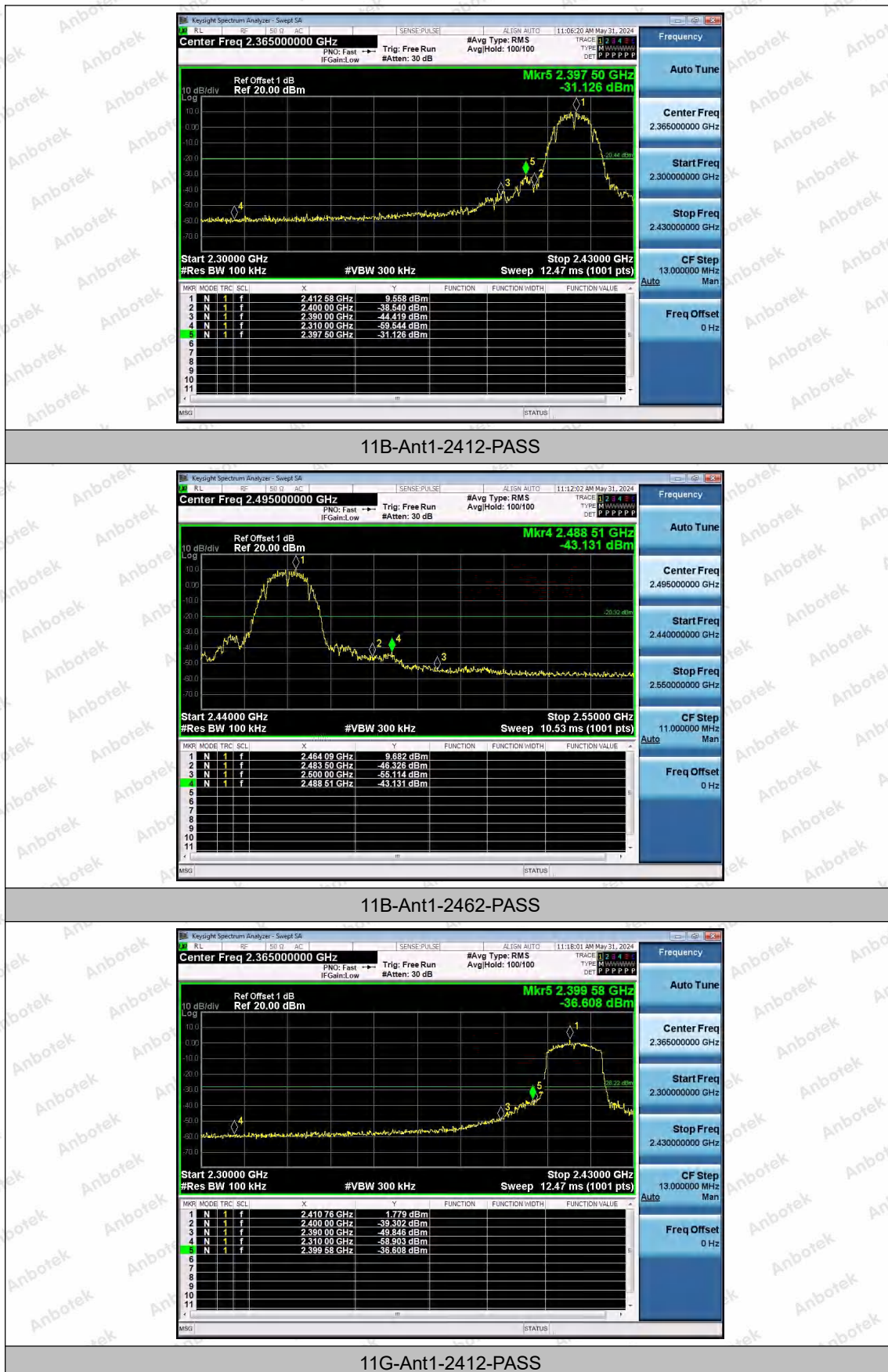
Appendix E: Conducted Band edge

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	9.56	-31.13	≤-20.44	PASS
11B	Ant1	High	2462	9.68	-43.13	≤-20.32	PASS
11G	Ant1	Low	2412	1.78	-36.61	≤-28.22	PASS
11G	Ant1	High	2462	2.93	-48.02	≤-27.07	PASS
11N20SISO	Ant1	Low	2412	0.69	-32.68	≤-29.31	PASS
11N20SISO	Ant1	High	2462	3.52	-43.93	≤-26.48	PASS



Test Graphs



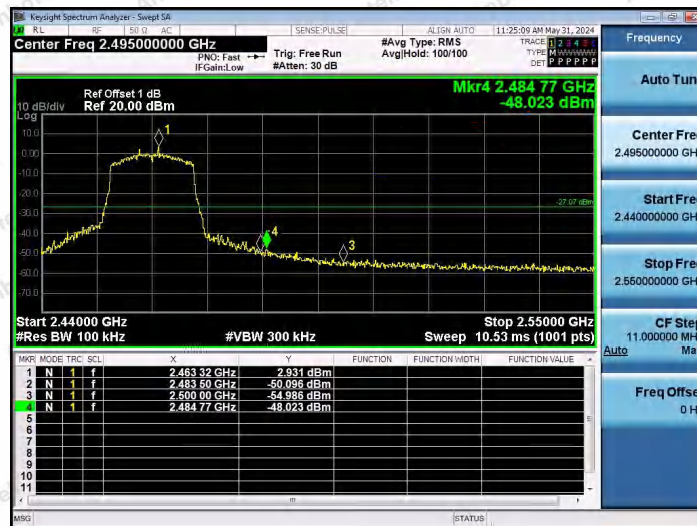
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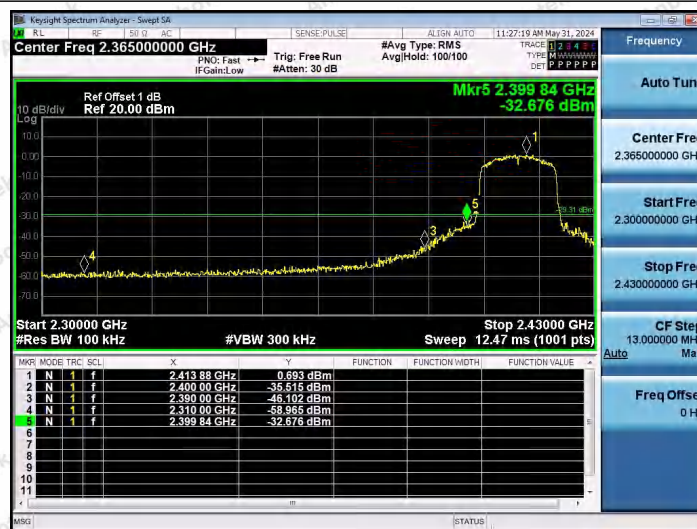


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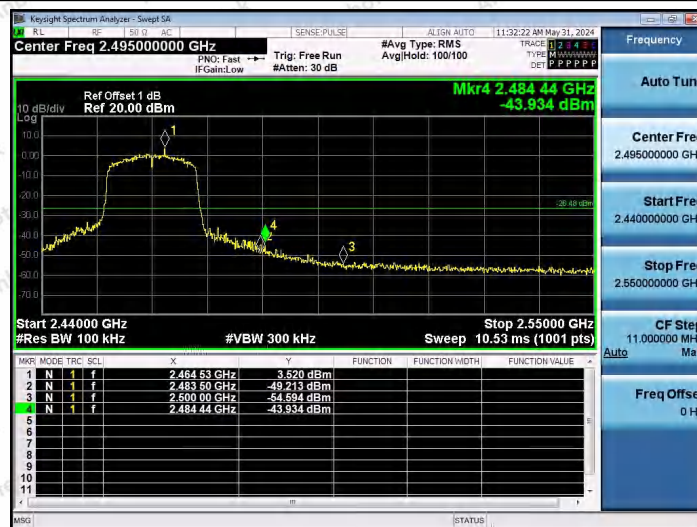




11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

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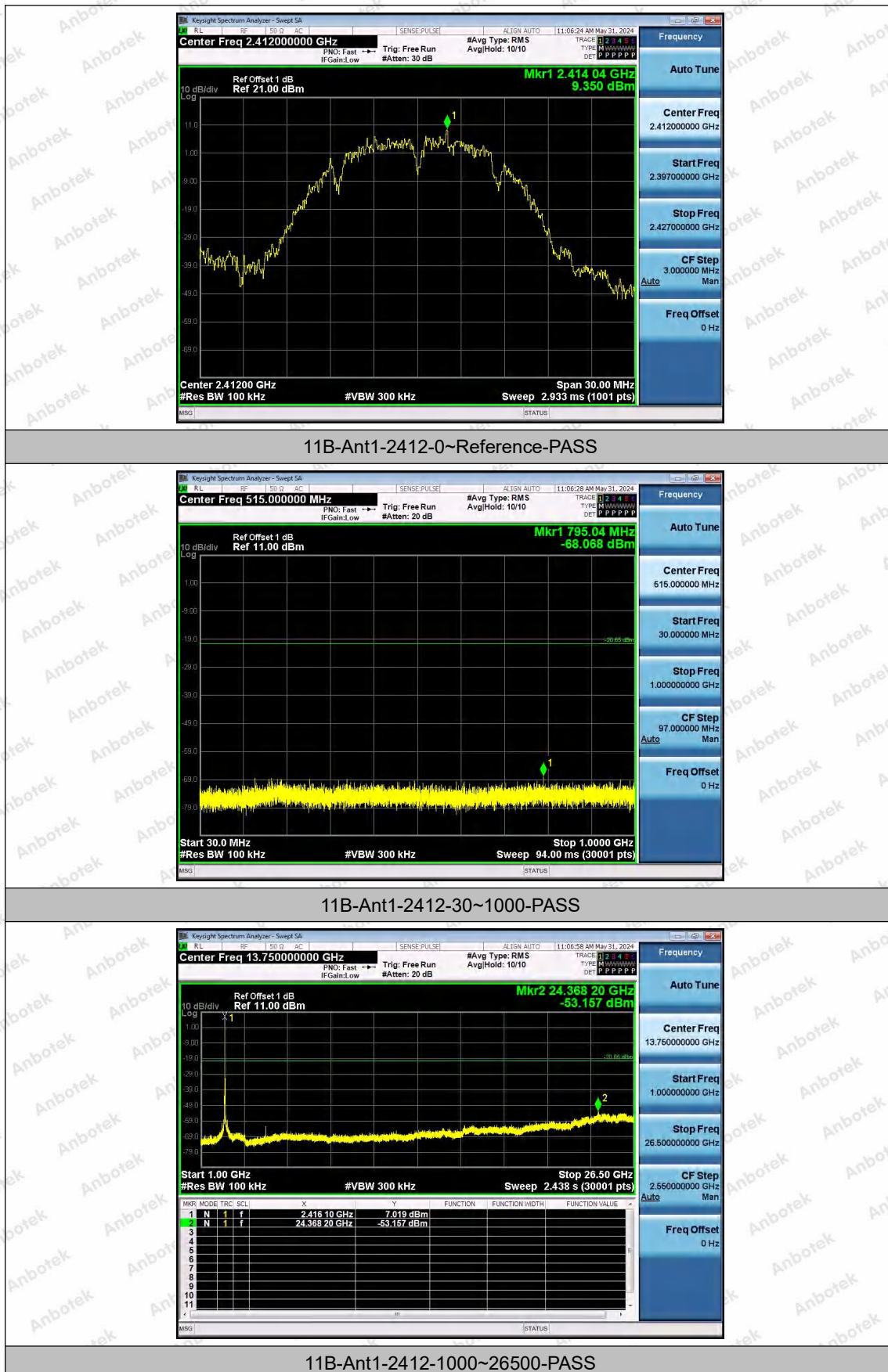
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	9.35	9.35	---	PASS
11B	Ant1	2412	30~1000	9.35	-68.07	≤-20.65	PASS
11B	Ant1	2412	1000~26500	9.35	-53.16	≤-20.65	PASS
11B	Ant1	2437	0~Reference	7.21	7.21	---	PASS
11B	Ant1	2437	30~1000	7.21	-67.73	≤-22.79	PASS
11B	Ant1	2437	1000~26500	7.21	-48.32	≤-22.79	PASS
11B	Ant1	2462	0~Reference	7.77	7.77	---	PASS
11B	Ant1	2462	30~1000	7.77	-67.9	≤-22.23	PASS
11B	Ant1	2462	1000~26500	7.77	-52.98	≤-22.23	PASS
11G	Ant1	2412	0~Reference	-0.79	-0.79	---	PASS
11G	Ant1	2412	30~1000	-0.79	-69.21	≤-30.79	PASS
11G	Ant1	2412	1000~26500	-0.79	-53.31	≤-30.79	PASS
11G	Ant1	2437	0~Reference	-0.03	-0.03	---	PASS
11G	Ant1	2437	30~1000	-0.03	-68.89	≤-30.03	PASS
11G	Ant1	2437	1000~26500	-0.03	-53.15	≤-30.03	PASS
11G	Ant1	2462	0~Reference	-0.41	-0.41	---	PASS
11G	Ant1	2462	30~1000	-0.41	-68.83	≤-30.41	PASS
11G	Ant1	2462	1000~26500	-0.41	-53.21	≤-30.41	PASS
11N20SISO	Ant1	2412	0~Reference	1.13	1.13	---	PASS
11N20SISO	Ant1	2412	30~1000	1.13	-68.55	≤-28.87	PASS
11N20SISO	Ant1	2412	1000~26500	1.13	-53.75	≤-28.87	PASS
11N20SISO	Ant1	2437	0~Reference	0.32	0.32	---	PASS
11N20SISO	Ant1	2437	30~1000	0.32	-68.08	≤-29.68	PASS
11N20SISO	Ant1	2437	1000~26500	0.32	-53.35	≤-29.68	PASS
11N20SISO	Ant1	2462	0~Reference	0.46	0.46	---	PASS
11N20SISO	Ant1	2462	30~1000	0.46	-68.85	≤-29.54	PASS
11N20SISO	Ant1	2462	1000~26500	0.46	-52.7	≤-29.54	PASS



Test Graphs



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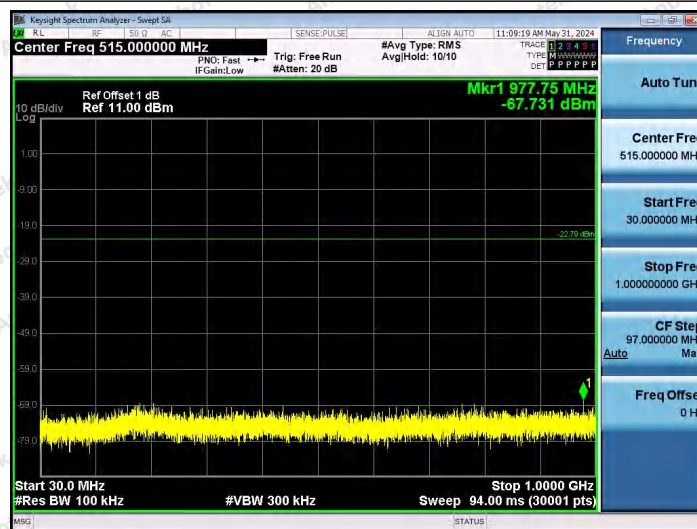


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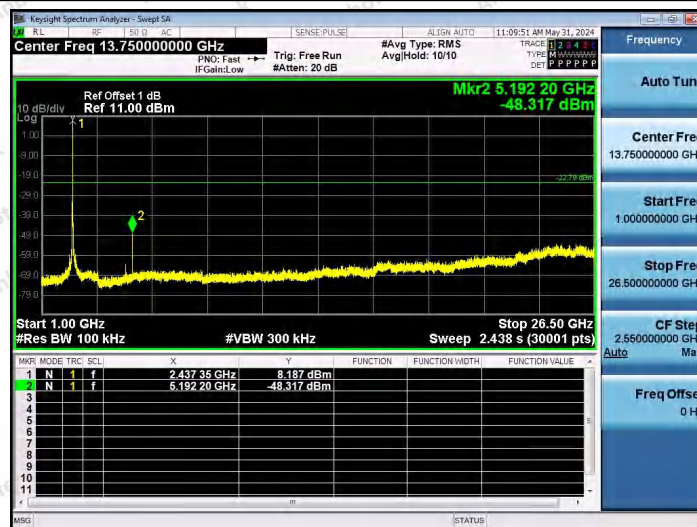




11B-Ant1-2437-0~Reference-PASS



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



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

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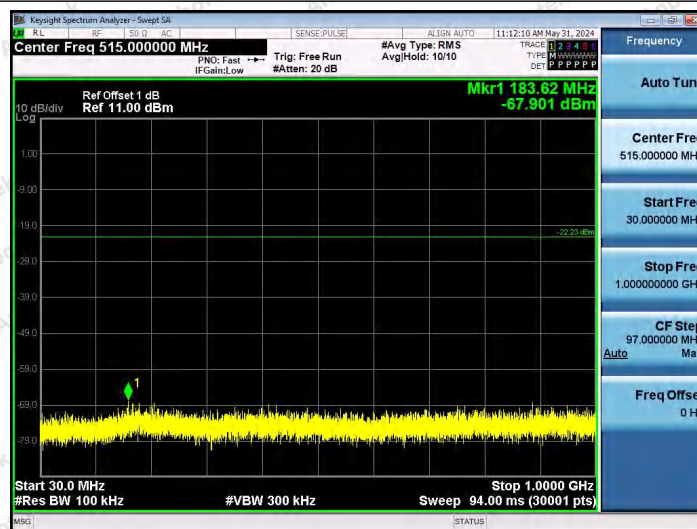


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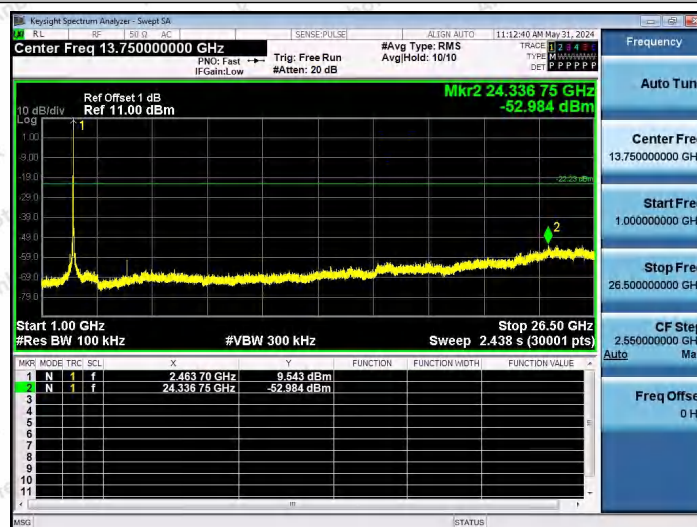




11B-Ant1-2462-0~Reference-PASS



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



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

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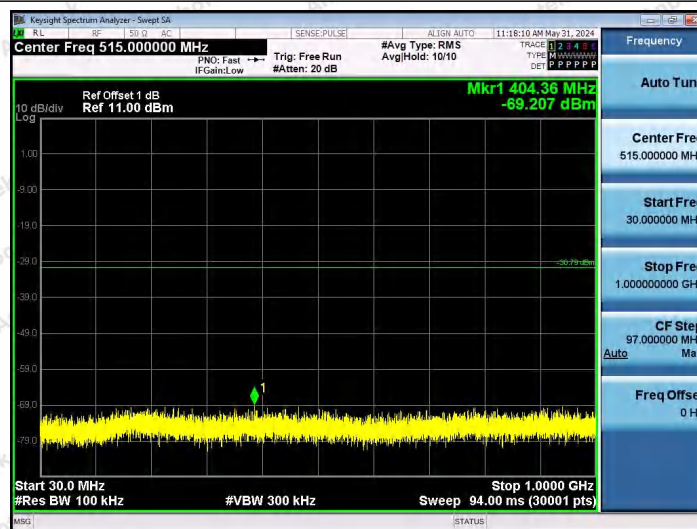


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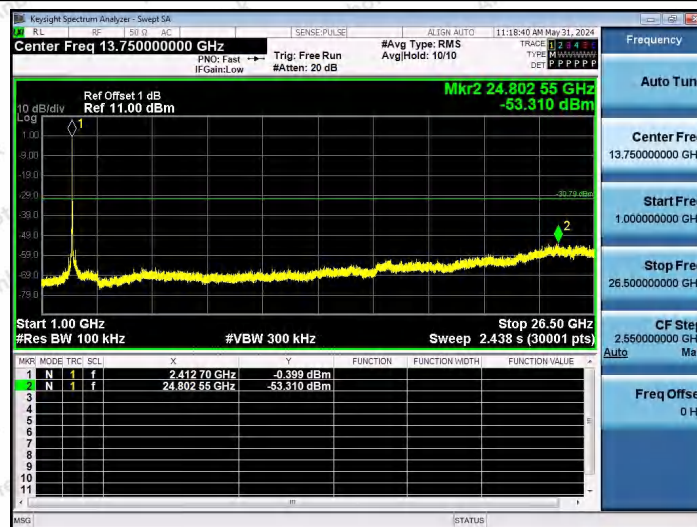




11G-Ant1-2412-0~Reference-PASS



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



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

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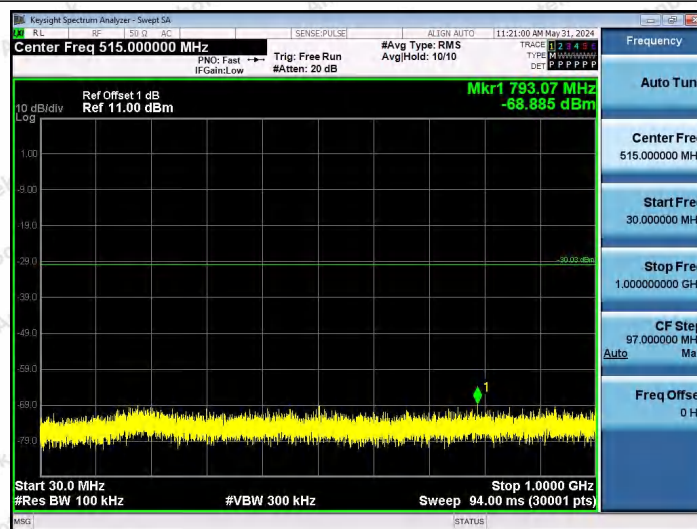


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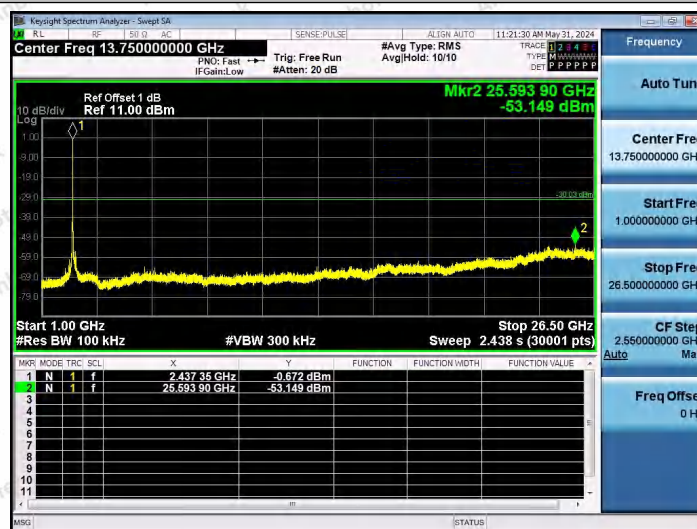




11G-Ant1-2437-0~Reference-PASS



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



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

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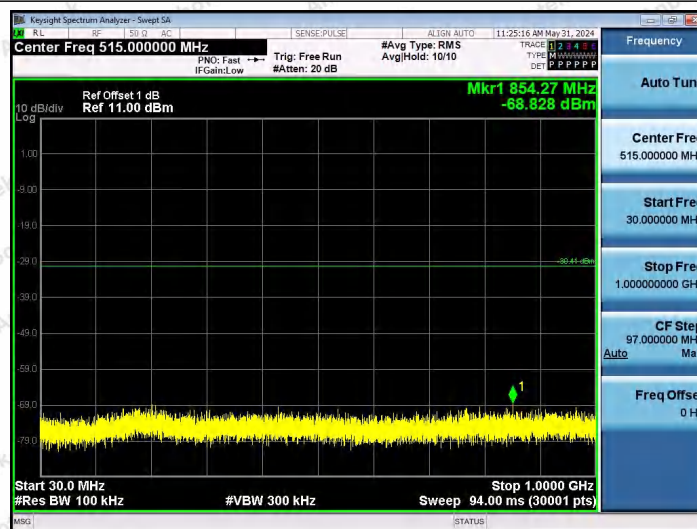


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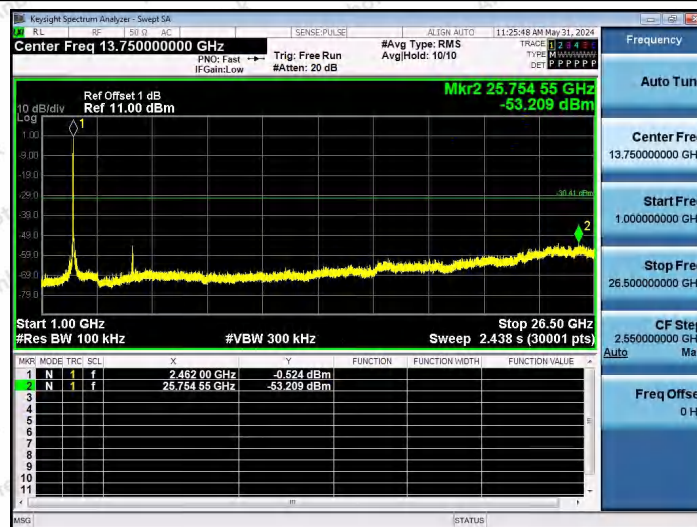




11G-Ant1-2462-0~Reference-PASS



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



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

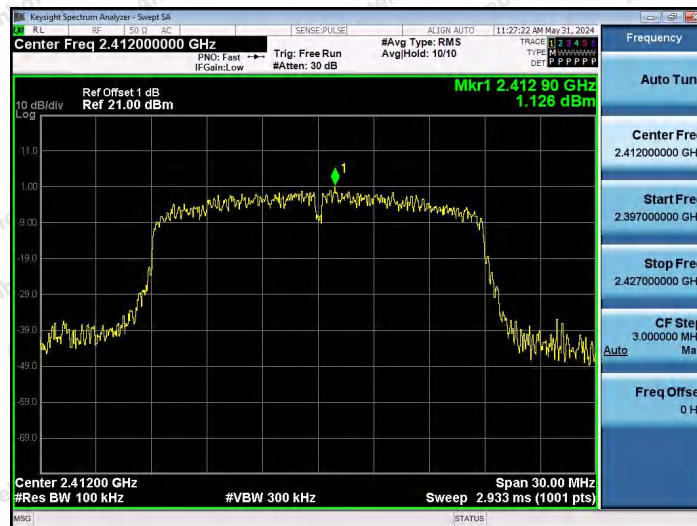
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

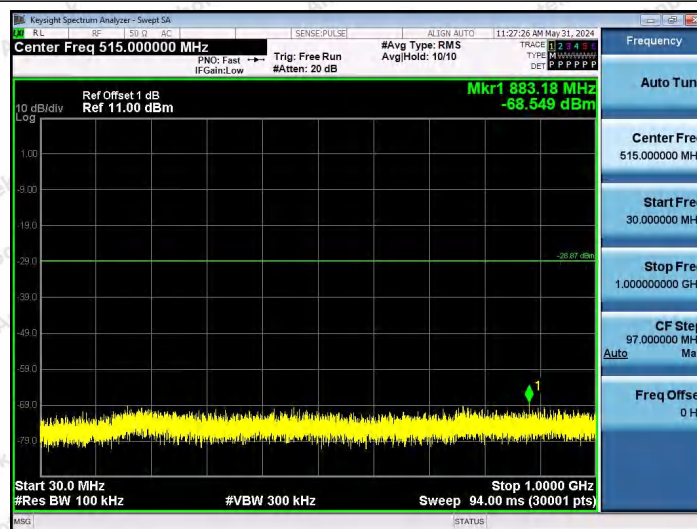


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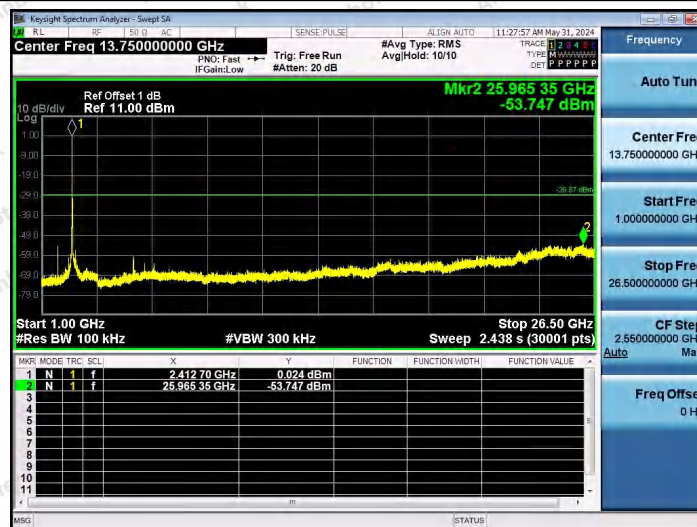




11N20SISO-Ant1-2412-0~Reference-PASS



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



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

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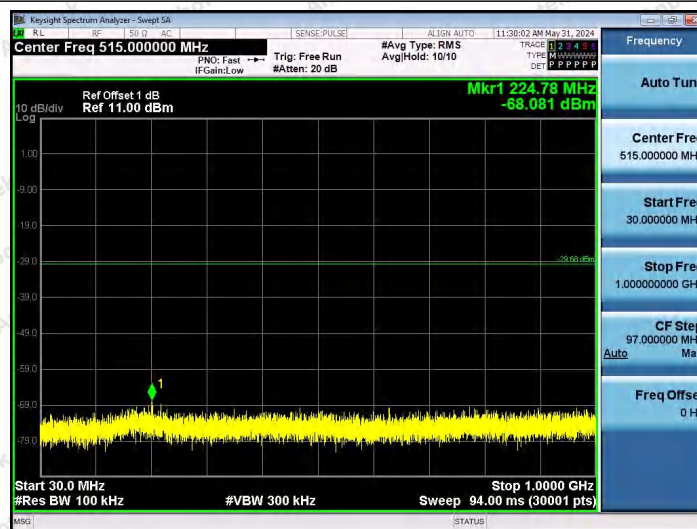


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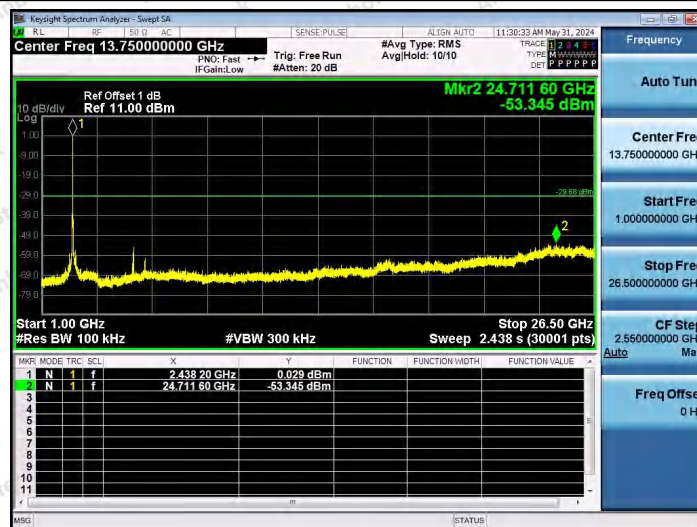




11N20SISO-Ant1-2437-0~Reference-PASS



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



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

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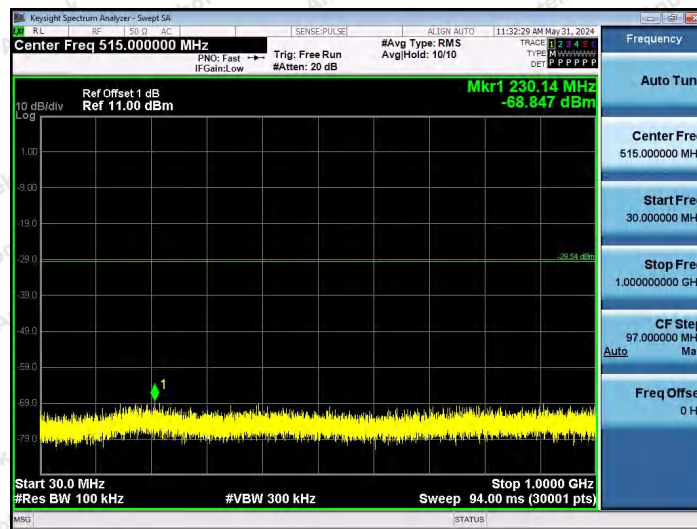


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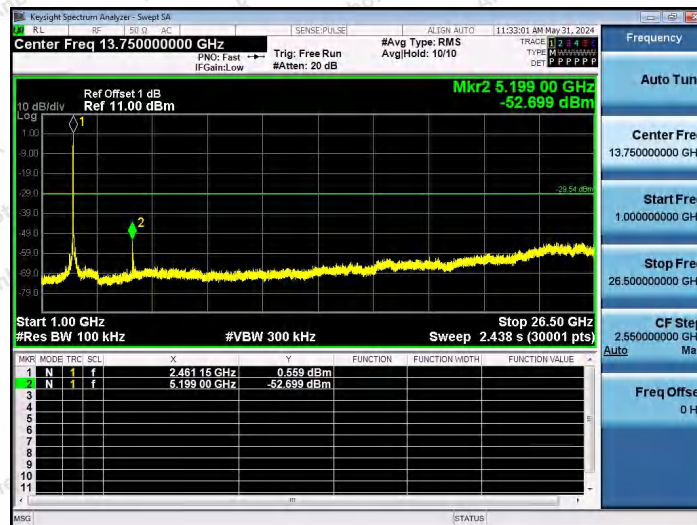




11N20SISO-Ant1-2462-0~Reference-PASS



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



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

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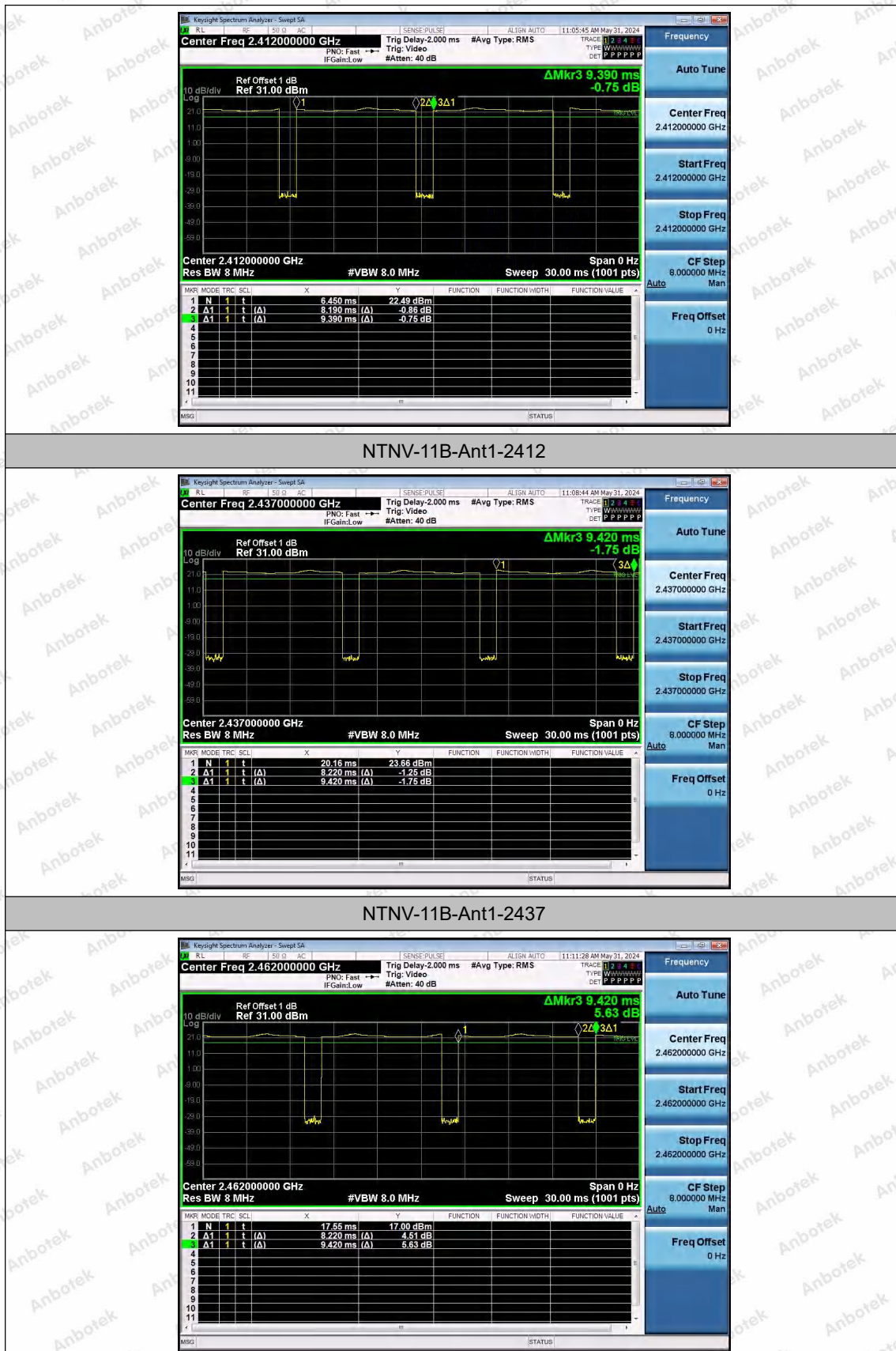
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.19	9.39	87.22	0.59
11B	Ant1	2437	8.22	9.42	87.26	0.59
11B	Ant1	2462	8.22	9.42	87.26	0.59
11G	Ant1	2412	19.00	19.00	100.00	0.00
11G	Ant1	2437	19.00	19.00	100.00	0.00
11G	Ant1	2462	19.00	19.00	100.00	0.00
11N20SISO	Ant1	2412	19.00	19.00	100.00	0.00
11N20SISO	Ant1	2437	19.00	19.00	100.00	0.00
11N20SISO	Ant1	2462	19.00	19.00	100.00	0.00



Test Graphs



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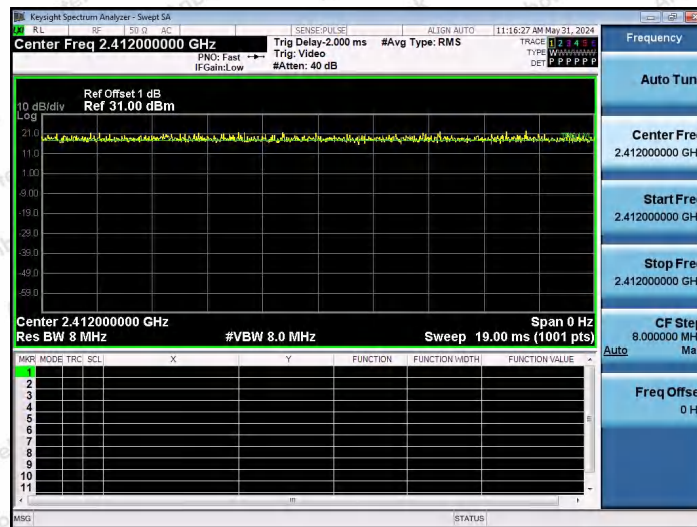
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



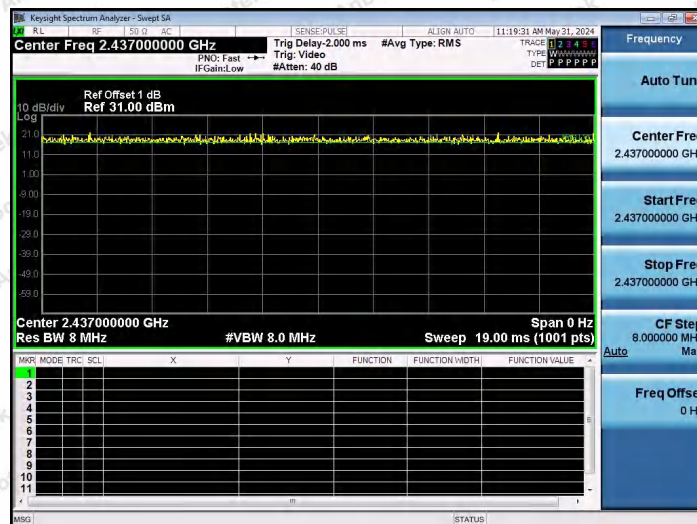
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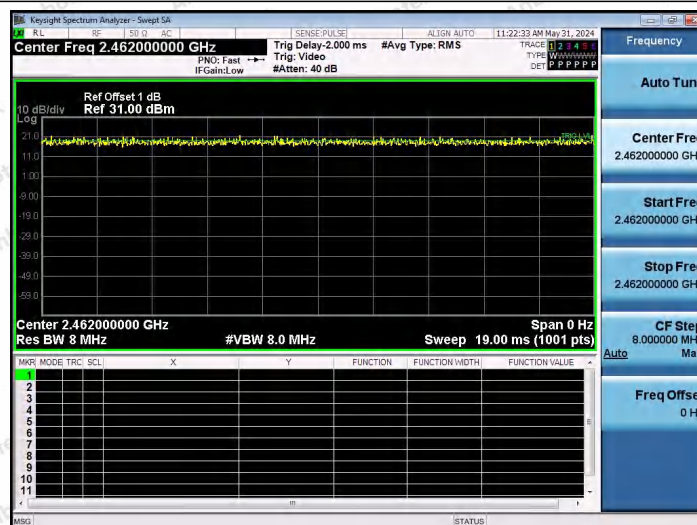
NTNV-11B-Ant1-2462



NTNV-11G-Ant1-2412



NTNV-11G-Ant1-2437



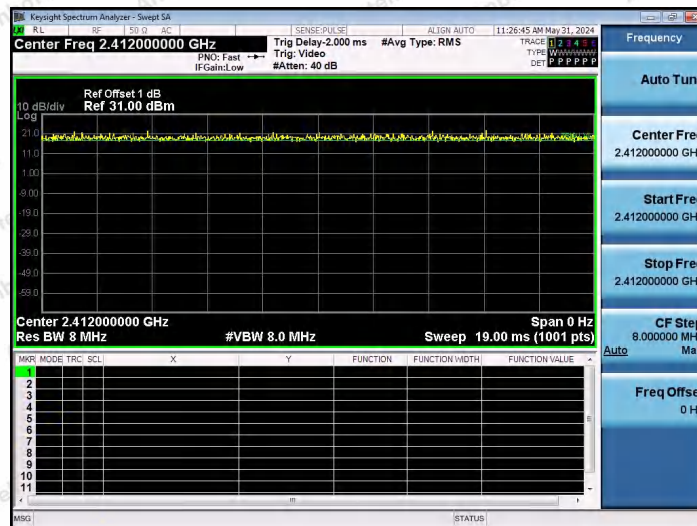
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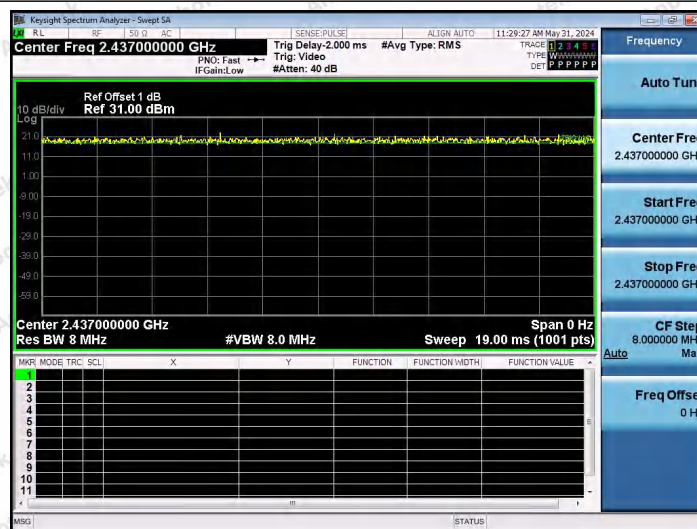
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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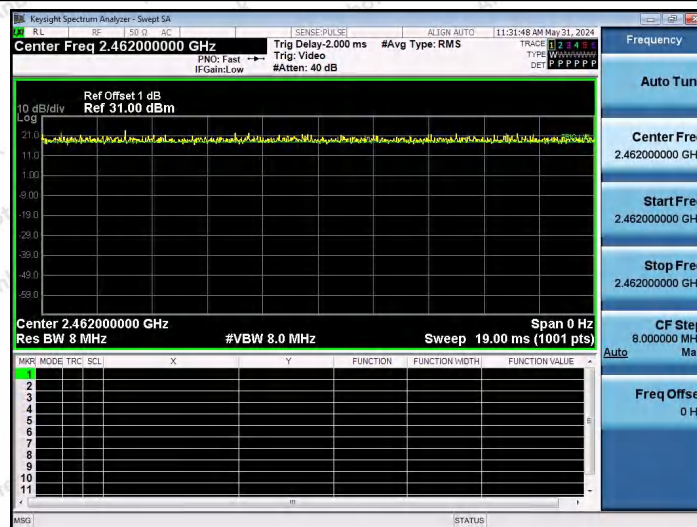




NTNV-11N20SISO-Ant1-2412



NTNV-11N20SISO-Ant1-2437



NTNV-11N20SISO-Ant1-2462

---End---

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