

Appendix Test Data

Report No.:	182512C400137101	Test Sample No.:	1-2-2
Start Test Date:	2024.5.31	Finish Test Date:	2024.6.17
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	24.3°C	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	10.040	2407.000	2417.040	0.5	PASS
11B	Ant1	2437	9.560	2432.480	2442.040	0.5	PASS
11B	Ant1	2462	9.040	2457.520	2466.560	0.5	PASS
11G	Ant1	2412	15.920	2404.240	2420.160	0.5	PASS
11G	Ant1	2437	15.000	2429.920	2444.920	0.5	PASS
11G	Ant1	2462	16.040	2454.120	2470.160	0.5	PASS
11N20SISO	Ant1	2412	15.480	2404.440	2419.920	0.5	PASS
11N20SISO	Ant1	2437	16.320	2429.080	2445.400	0.5	PASS
11N20SISO	Ant1	2462	12.760	2456.760	2469.520	0.5	PASS



Test Graphs



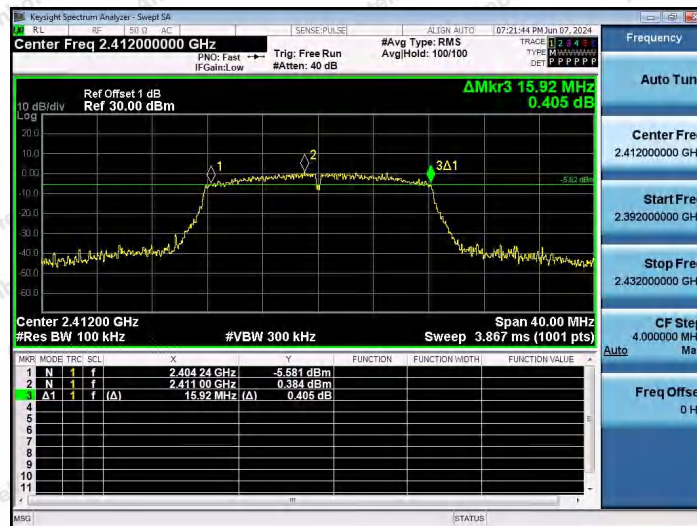
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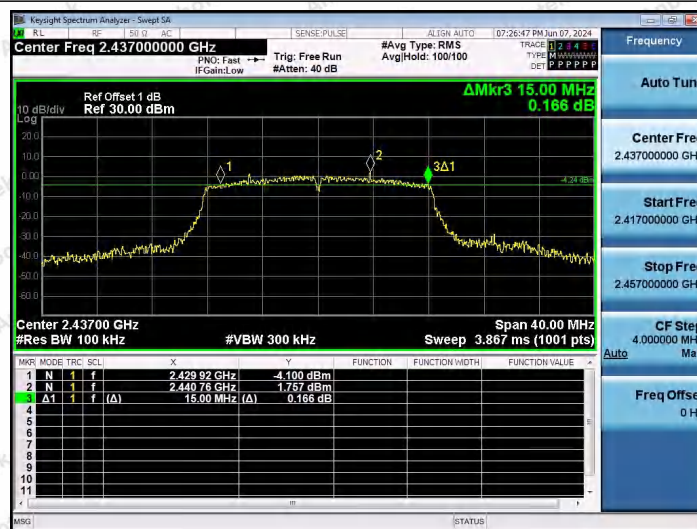


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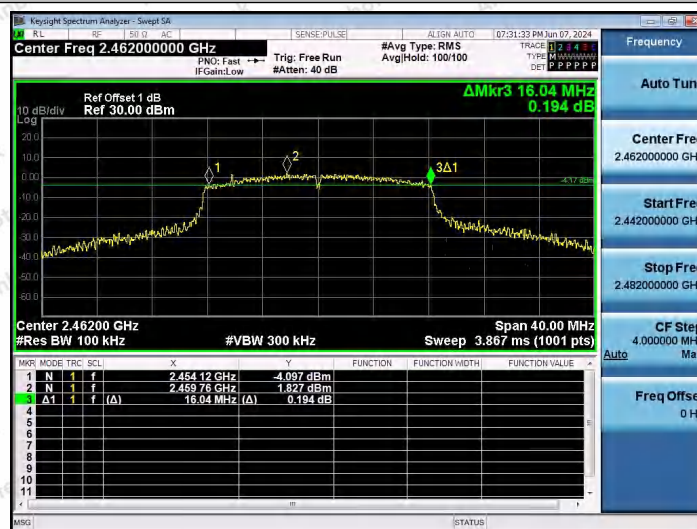




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



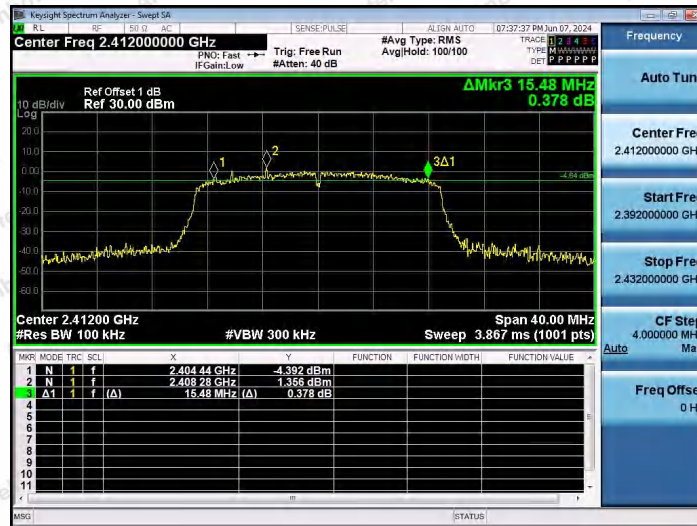
11G-Ant1-2462-PASS

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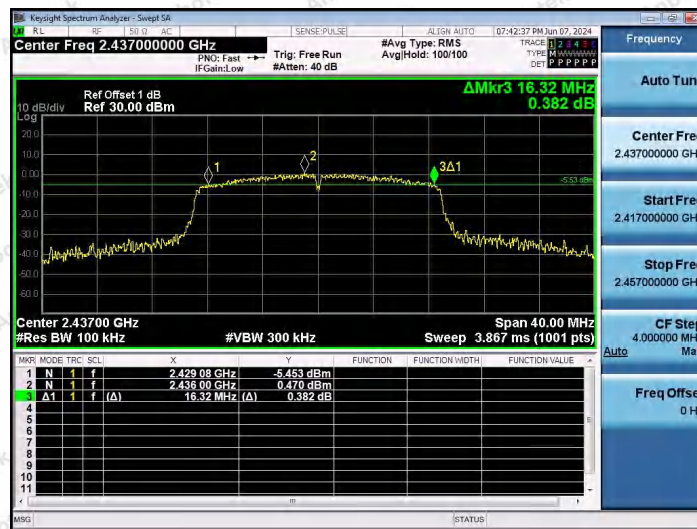
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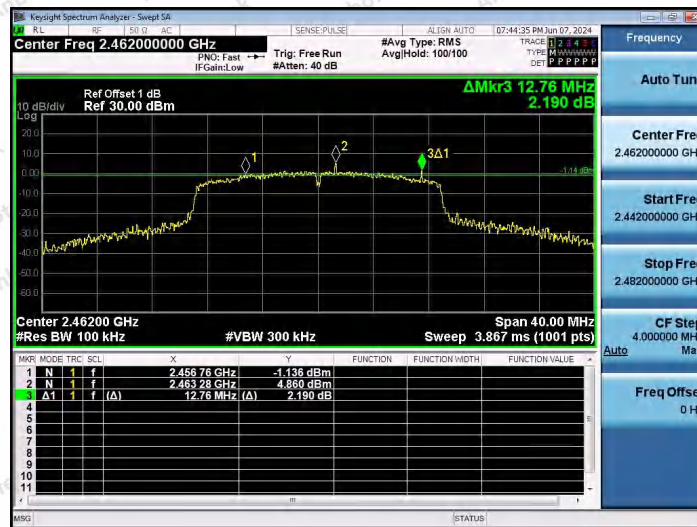




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

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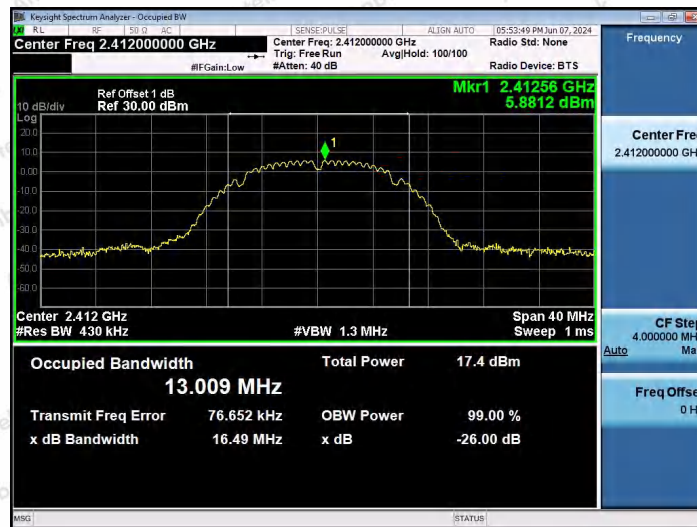
Appendix B: 99% Occupied Bandwidth

Test Result

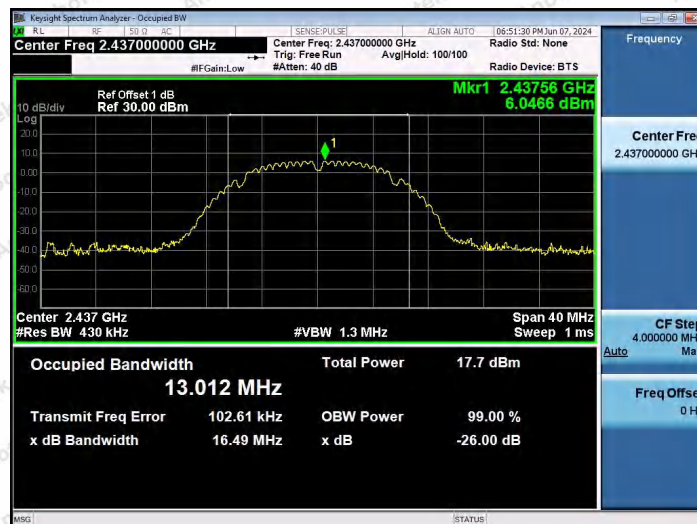
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.009	2405.5722	2418.5812	---	---
11B	Ant1	2437	13.012	2430.5966	2443.6086	---	---
11B	Ant1	2462	14.514	2454.9809	2469.4949	---	---
11G	Ant1	2412	16.403	2403.8760	2420.2790	---	---
11G	Ant1	2437	16.453	2428.8444	2445.2974	---	---
11G	Ant1	2462	16.668	2453.7817	2470.4497	---	---
11N20SISO	Ant1	2412	17.272	2403.4337	2420.7057	---	---
11N20SISO	Ant1	2437	17.295	2428.4346	2445.7296	---	---
11N20SISO	Ant1	2462	17.440	2453.3838	2470.8238	---	---



Test Graphs



11B-Ant1-2412



11B-Ant1-2437



11B-Ant1-2462

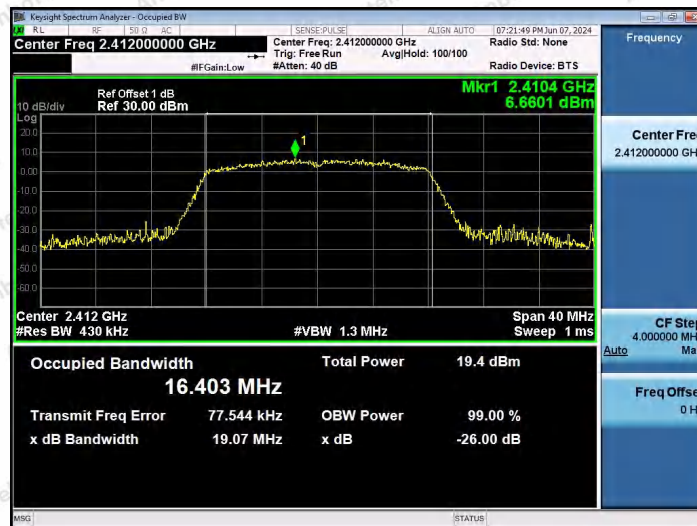
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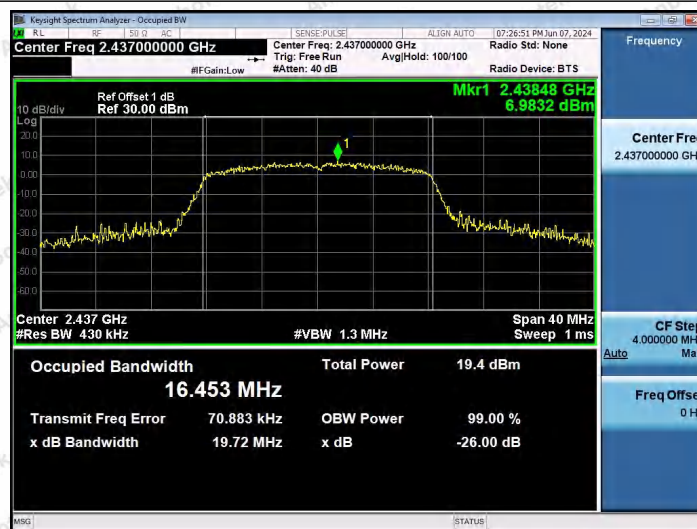


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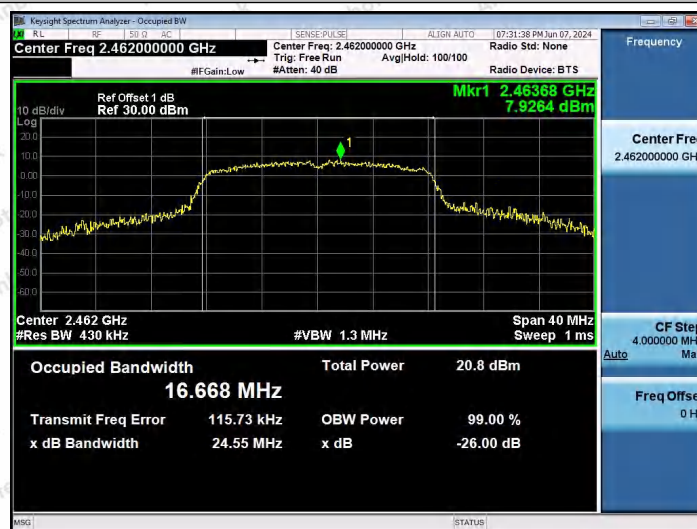




11G-Ant1-2412



11G-Ant1-2437



11G-Ant1-2462

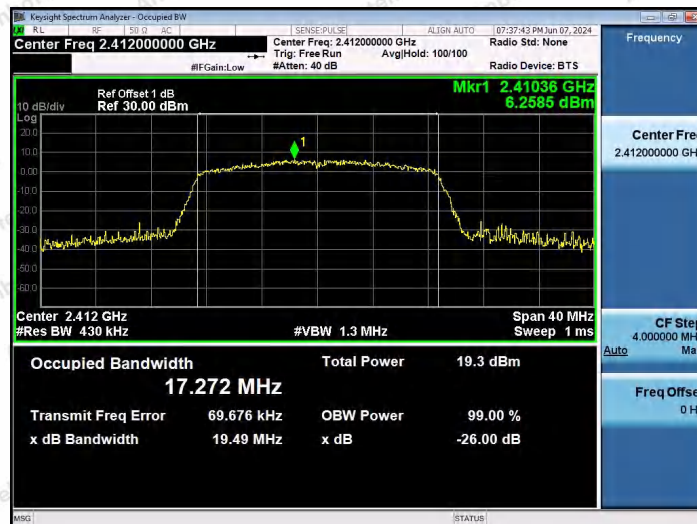
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11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



11N20SISO-Ant1-2462

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Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	---	15.91	87.43	0.58	16.49	≤30.00	PASS
11B	Ant1	2437	---	16.77	87.42	0.58	17.35	≤30.00	PASS
11B	Ant1	2462	---	18.22	87.45	0.58	18.80	≤30.00	PASS
11G	Ant1	2412	---	12.06	100.00	0.00	12.06	≤30.00	PASS
11G	Ant1	2437	---	12.64	100.00	0.00	12.64	≤30.00	PASS
11G	Ant1	2462	---	14.33	100.00	0.00	14.33	≤30.00	PASS
11N20SISO	Ant1	2412	---	11.90	100.00	0.00	11.90	≤30.00	PASS
11N20SISO	Ant1	2437	---	12.17	100.00	0.00	12.17	≤30.00	PASS
11N20SISO	Ant1	2462	---	14.04	100.00	0.00	14.04	≤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

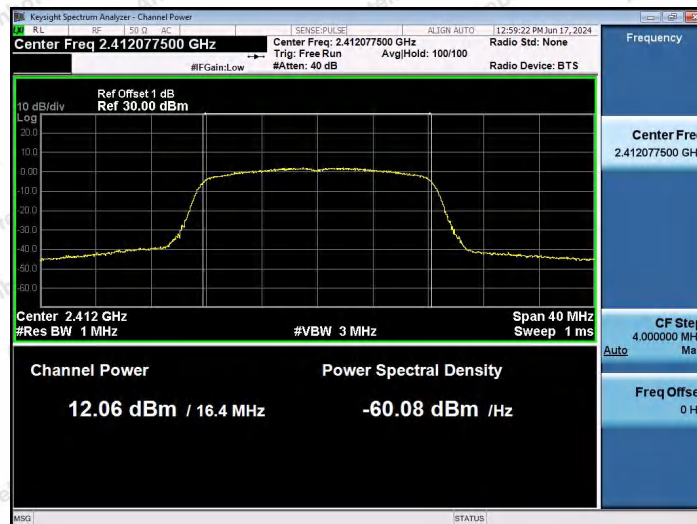
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11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

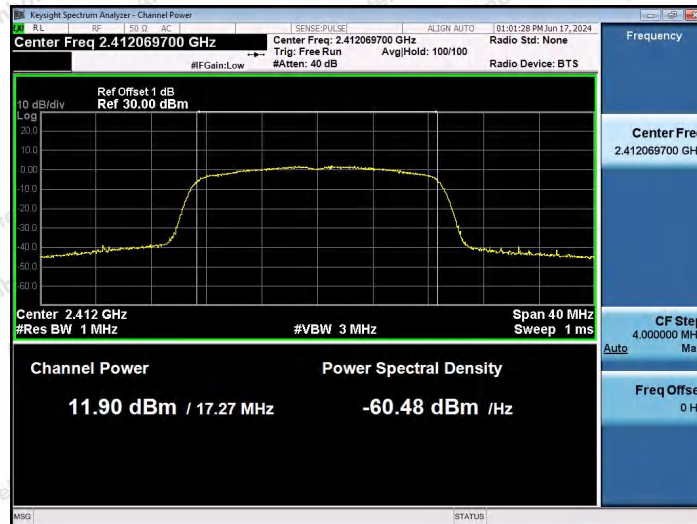
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11N20SISO-Ant1-2412-PASS



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	-7.73	-17.73	≤8.00	PASS
11B	Ant1	2437	-7.19	-17.19	≤8.00	PASS
11B	Ant1	2462	-3.72	-13.72	≤8.00	PASS
11G	Ant1	2412	-9.74	-19.74	≤8.00	PASS
11G	Ant1	2437	-9.65	-19.65	≤8.00	PASS
11G	Ant1	2462	-8.65	-18.65	≤8.00	PASS
11N20SISO	Ant1	2412	-10.08	-20.08	≤8.00	PASS
11N20SISO	Ant1	2437	-9.68	-19.68	≤8.00	PASS
11N20SISO	Ant1	2462	-9.09	-19.09	≤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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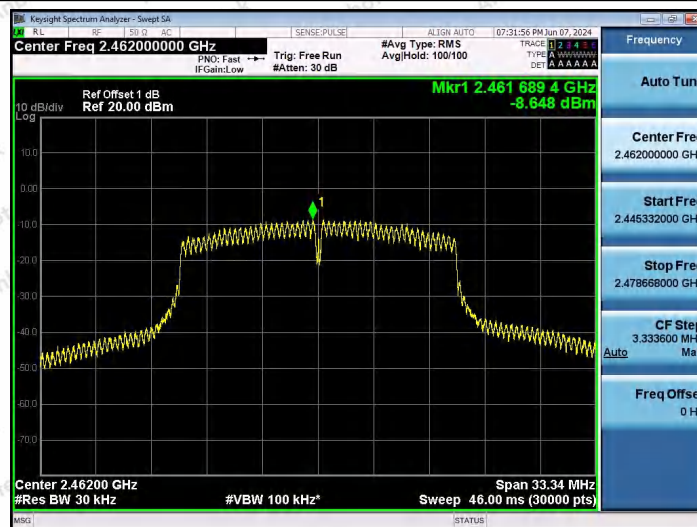




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

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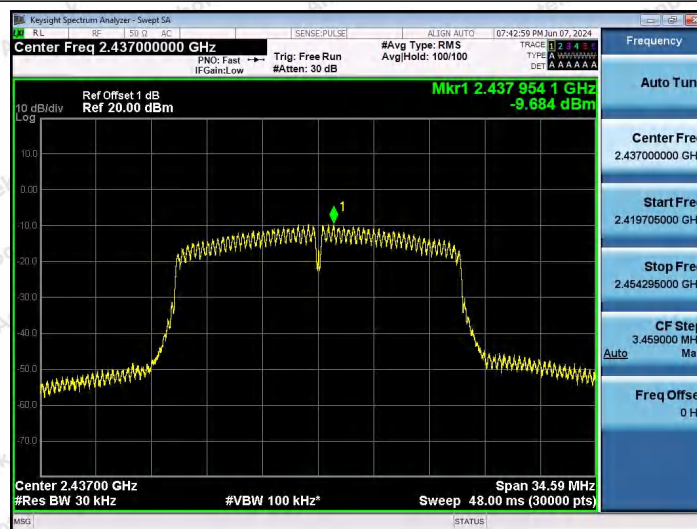


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11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

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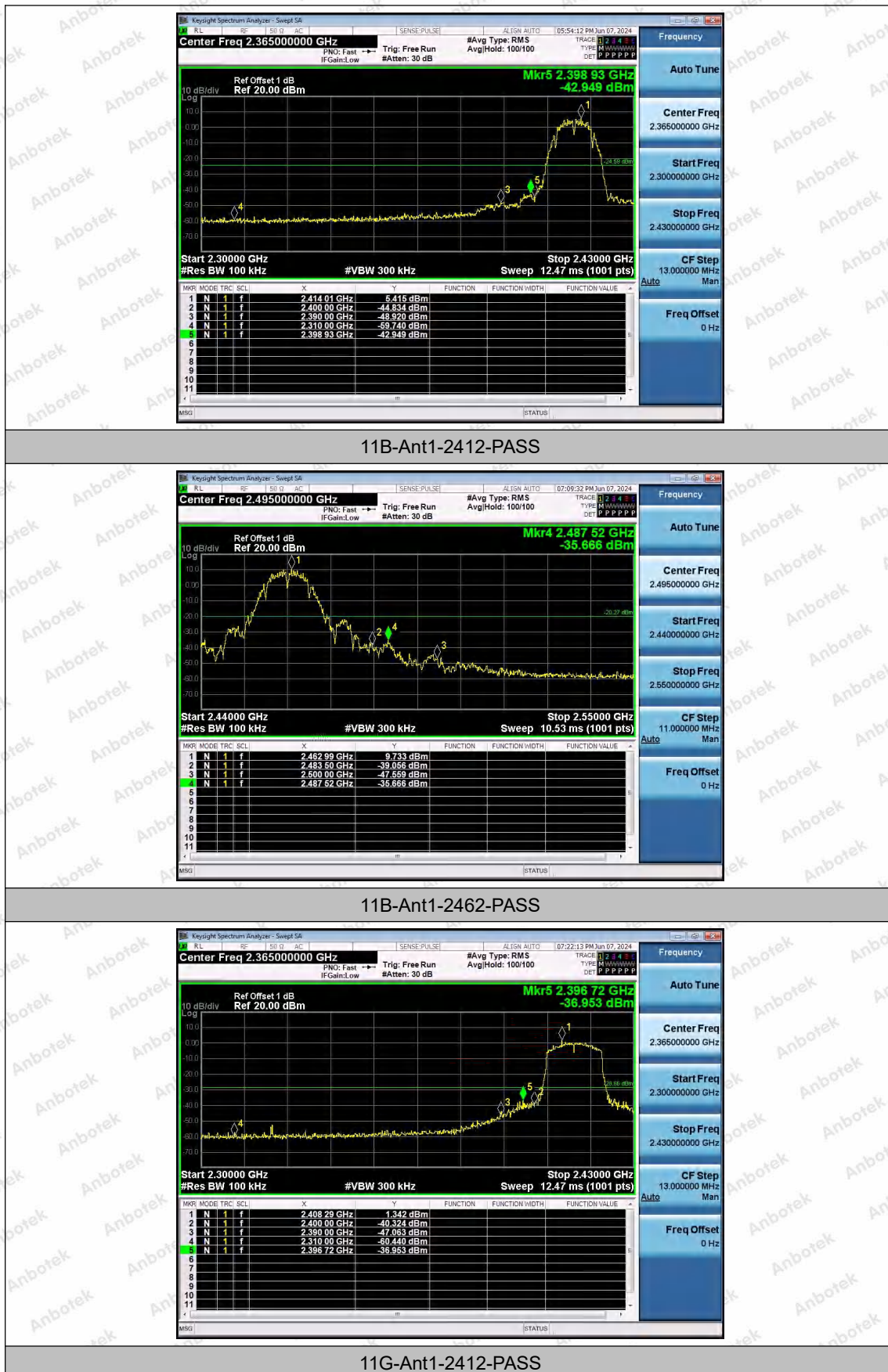
Appendix E: Conducted Band edge

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.42	-42.95	≤-24.59	PASS
11B	Ant1	High	2462	9.73	-35.67	≤-20.27	PASS
11G	Ant1	Low	2412	1.34	-36.95	≤-28.66	PASS
11G	Ant1	High	2462	1.46	-37.11	≤-28.54	PASS
11N20SISO	Ant1	Low	2412	-0.21	-34.99	≤-30.21	PASS
11N20SISO	Ant1	High	2462	2.88	-36.73	≤-27.12	PASS



Test Graphs



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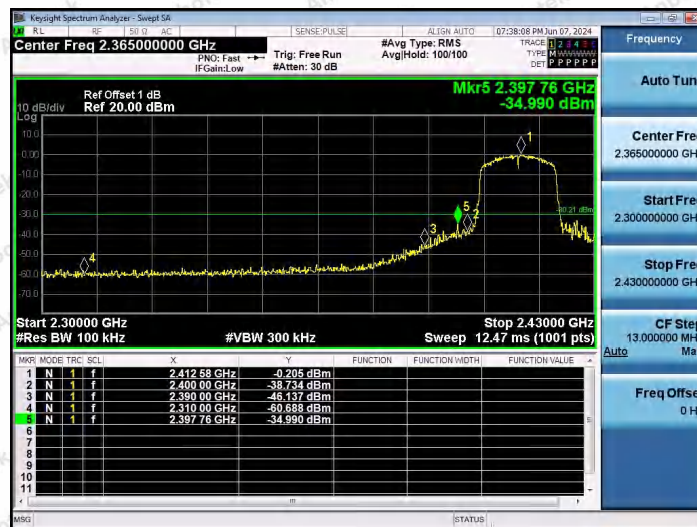


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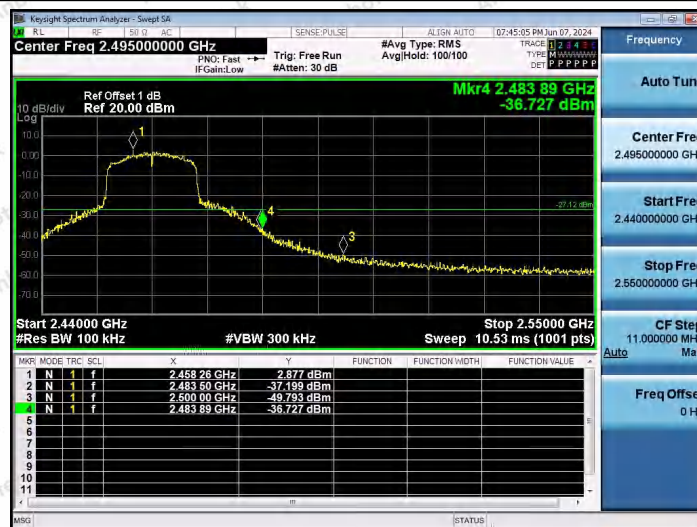




11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

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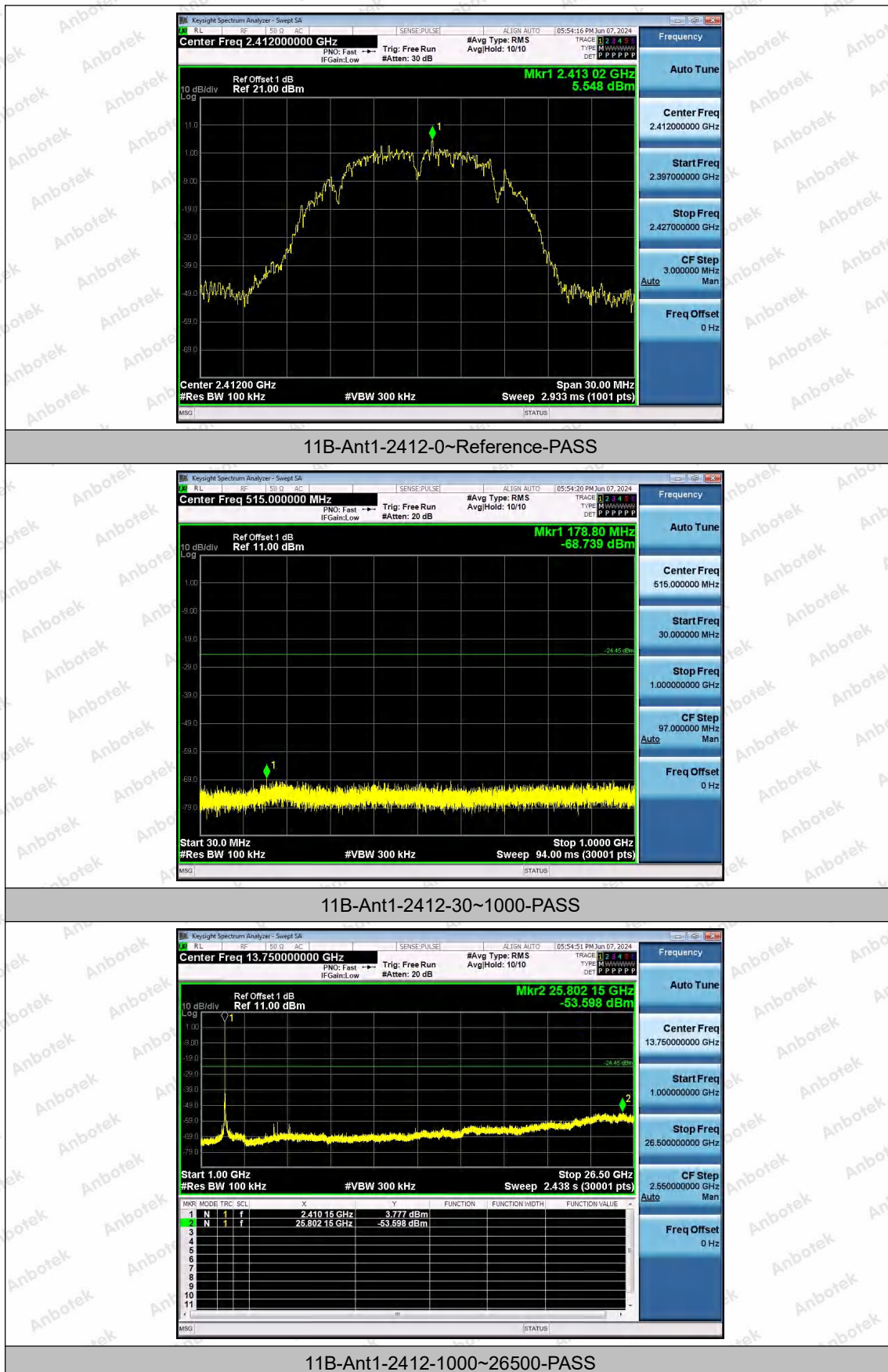
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	5.55	5.55	---	PASS
11B	Ant1	2412	30~1000	5.55	-68.74	≤-24.45	PASS
11B	Ant1	2412	1000~26500	5.55	-53.6	≤-24.45	PASS
11B	Ant1	2437	0~Reference	4.27	4.27	---	PASS
11B	Ant1	2437	30~1000	4.27	-69.01	≤-25.73	PASS
11B	Ant1	2437	1000~26500	4.27	-52.59	≤-25.73	PASS
11B	Ant1	2462	0~Reference	9.49	9.49	---	PASS
11B	Ant1	2462	30~1000	9.49	-67.3	≤-20.51	PASS
11B	Ant1	2462	1000~26500	9.49	-52.7	≤-20.51	PASS
11G	Ant1	2412	0~Reference	-0.65	-0.65	---	PASS
11G	Ant1	2412	30~1000	-0.65	-68.37	≤-30.65	PASS
11G	Ant1	2412	1000~26500	-0.65	-49.32	≤-30.65	PASS
11G	Ant1	2437	0~Reference	-0.25	-0.25	---	PASS
11G	Ant1	2437	30~1000	-0.25	-69.1	≤-30.25	PASS
11G	Ant1	2437	1000~26500	-0.25	-50.04	≤-30.25	PASS
11G	Ant1	2462	0~Reference	1.57	1.57	---	PASS
11G	Ant1	2462	30~1000	1.57	-68.49	≤-28.43	PASS
11G	Ant1	2462	1000~26500	1.57	-52.05	≤-28.43	PASS
11N20SISO	Ant1	2412	0~Reference	-0.11	-0.11	---	PASS
11N20SISO	Ant1	2412	30~1000	-0.11	-68.31	≤-30.11	PASS
11N20SISO	Ant1	2412	1000~26500	-0.11	-49.28	≤-30.11	PASS
11N20SISO	Ant1	2437	0~Reference	-0.30	-0.30	---	PASS
11N20SISO	Ant1	2437	30~1000	-0.30	-68.41	≤-30.3	PASS
11N20SISO	Ant1	2437	1000~26500	-0.30	-47.77	≤-30.3	PASS
11N20SISO	Ant1	2462	0~Reference	0.79	0.79	---	PASS
11N20SISO	Ant1	2462	30~1000	0.79	-68.44	≤-29.21	PASS
11N20SISO	Ant1	2462	1000~26500	0.79	-52.35	≤-29.21	PASS



Test Graphs



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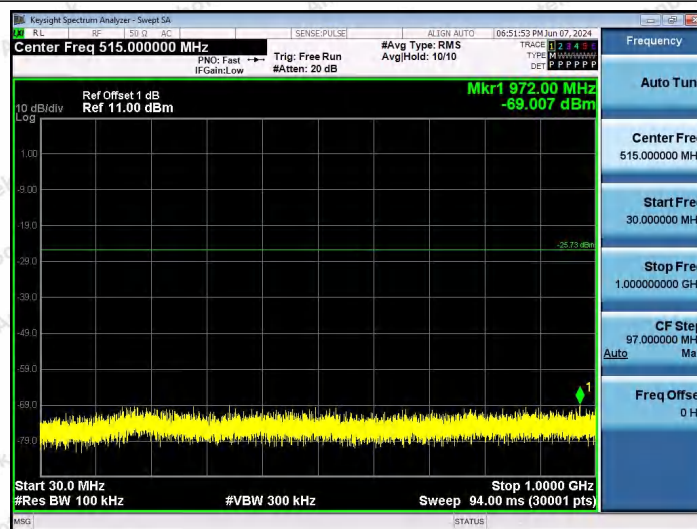


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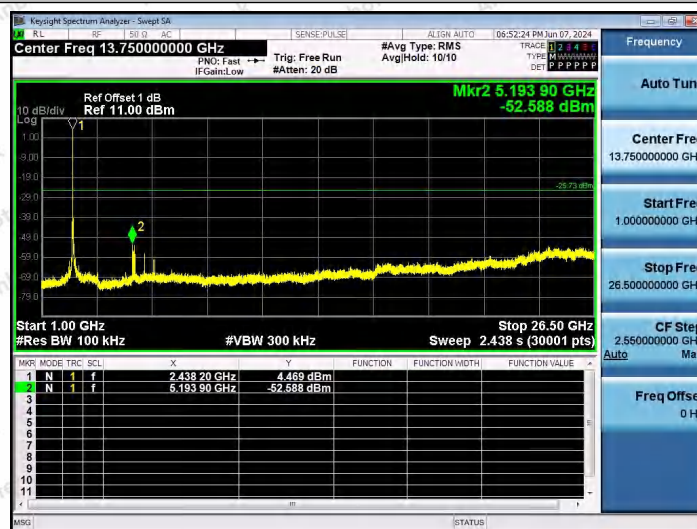




11B-Ant1-2437-0~Reference-PASS



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



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

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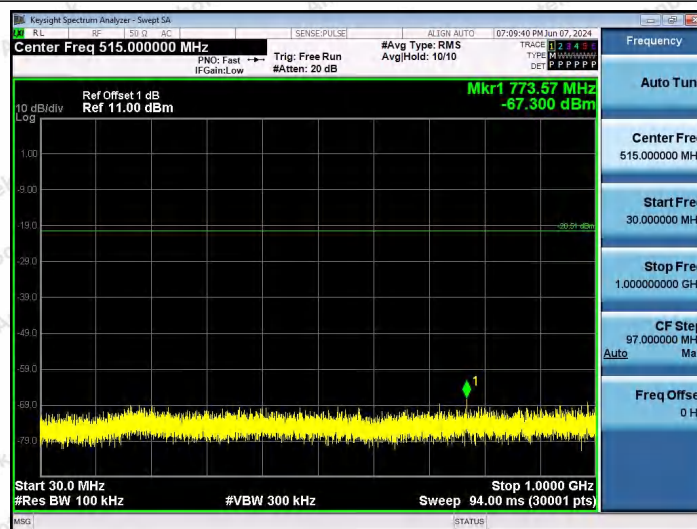


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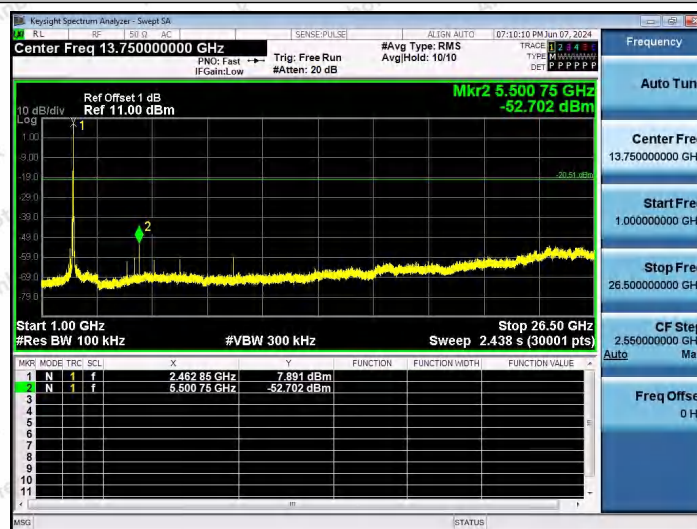




11B-Ant1-2462-0~Reference-PASS



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



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

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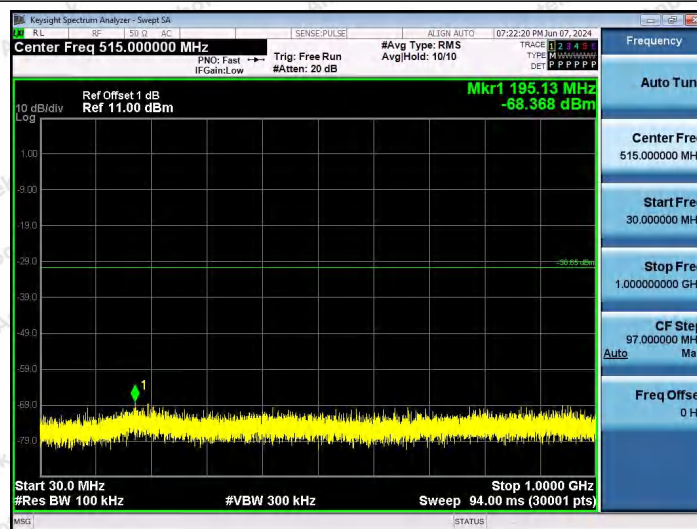


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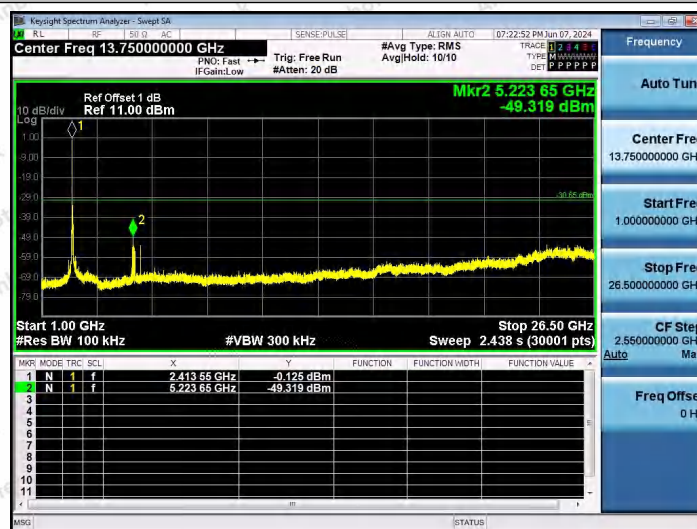




11G-Ant1-2412-0~Reference-PASS



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



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

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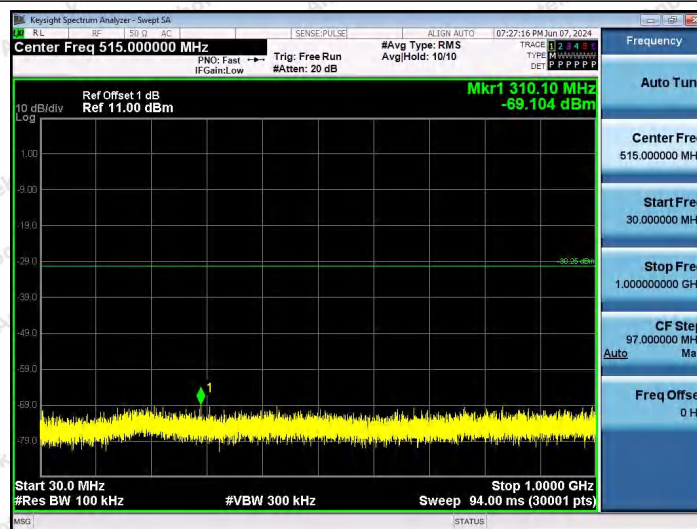


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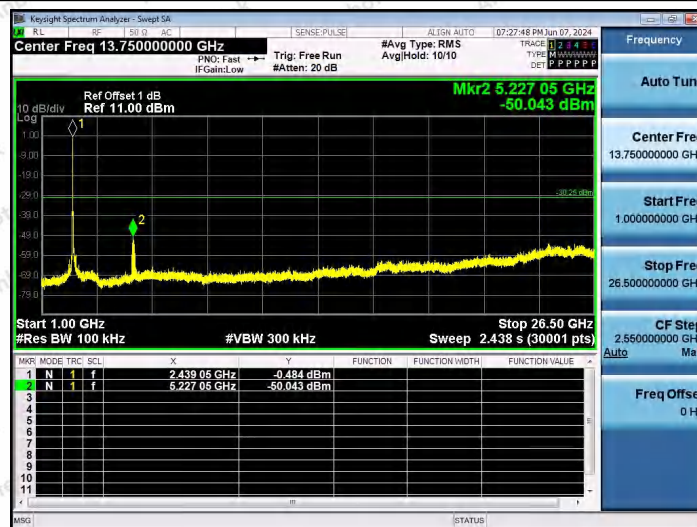




11G-Ant1-2437-0~Reference-PASS



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



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

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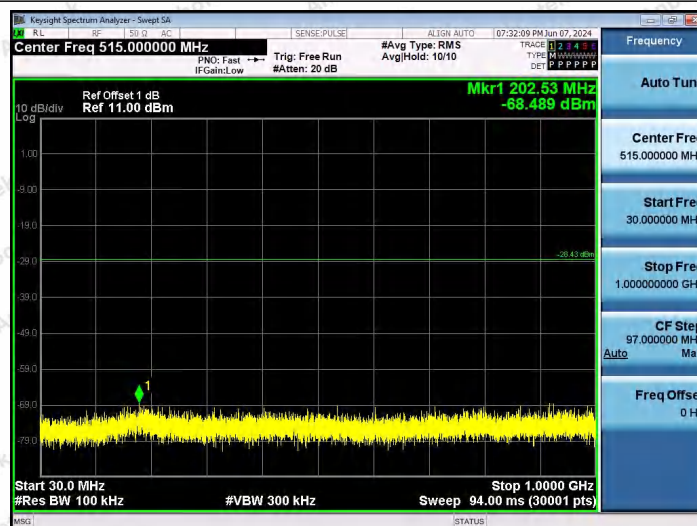


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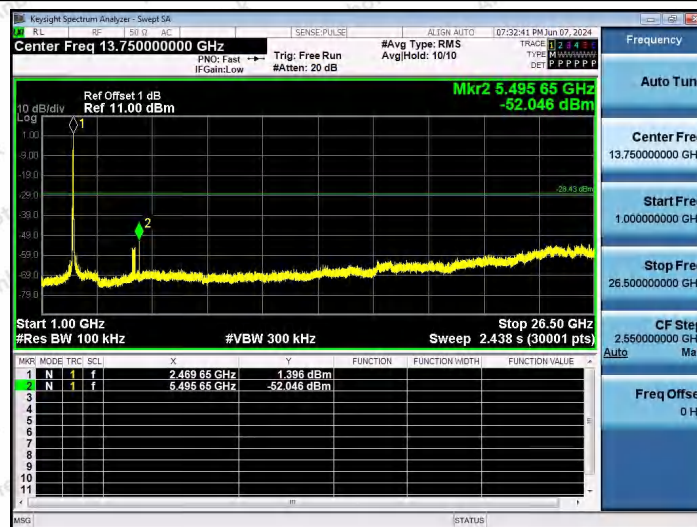




11G-Ant1-2462-0~Reference-PASS



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



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

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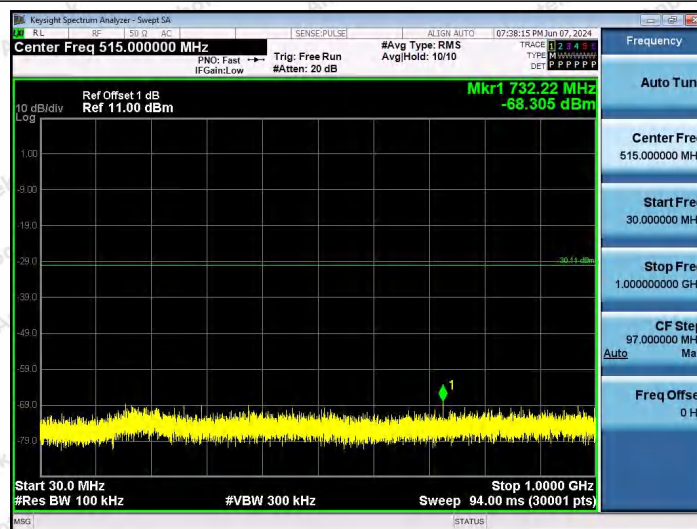


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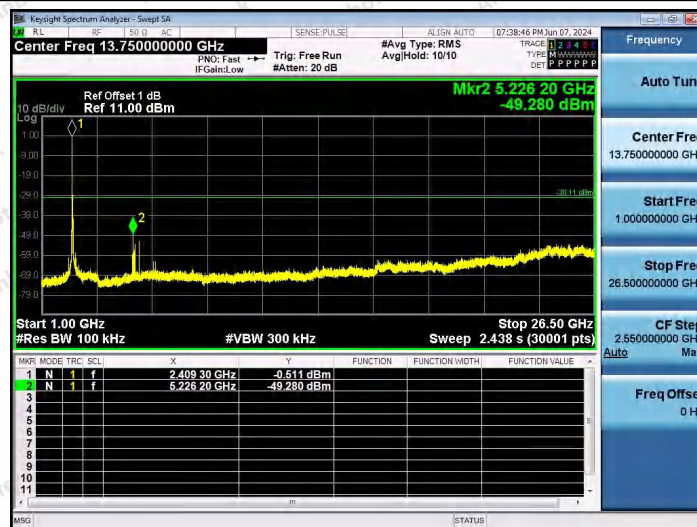




11N20SISO-Ant1-2412-0~Reference-PASS



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



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

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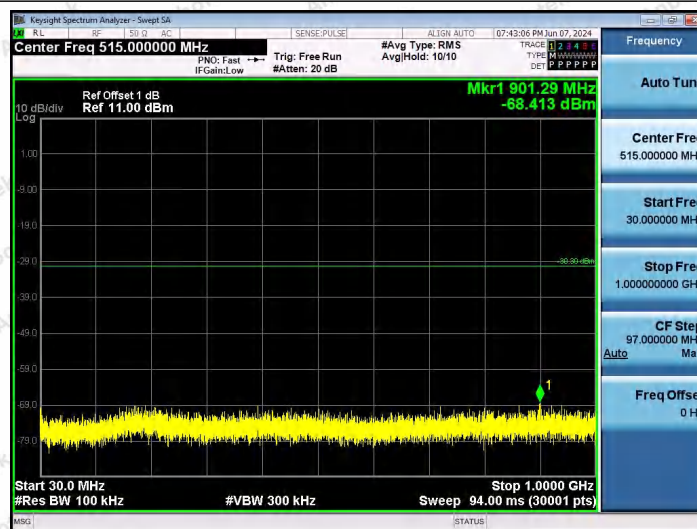


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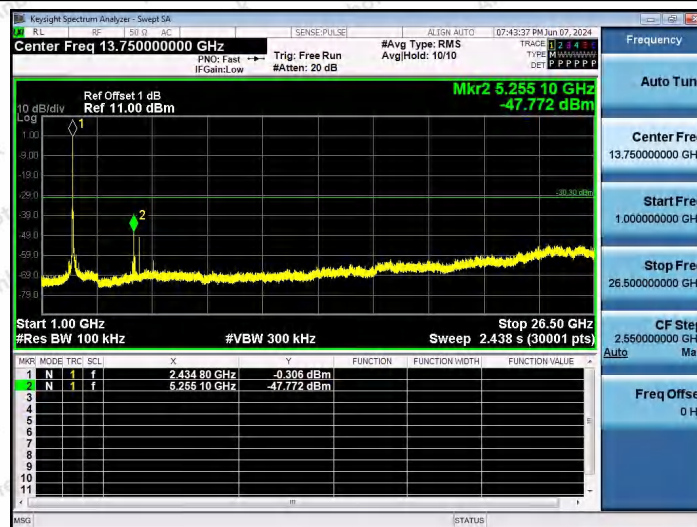




11N20SISO-Ant1-2437-0~Reference-PASS



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



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

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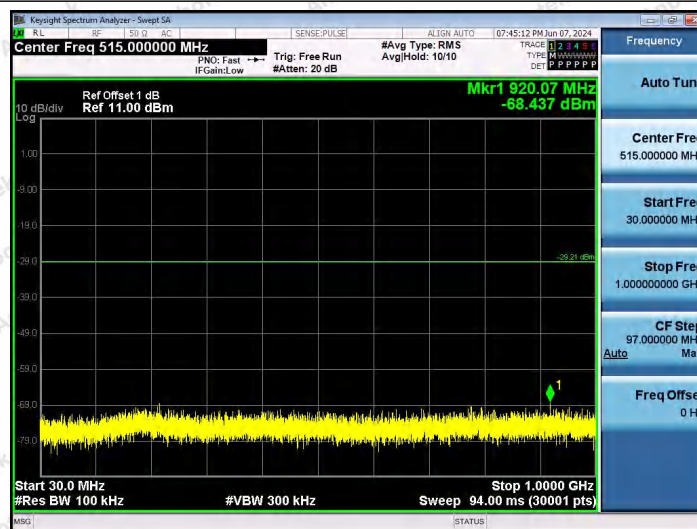


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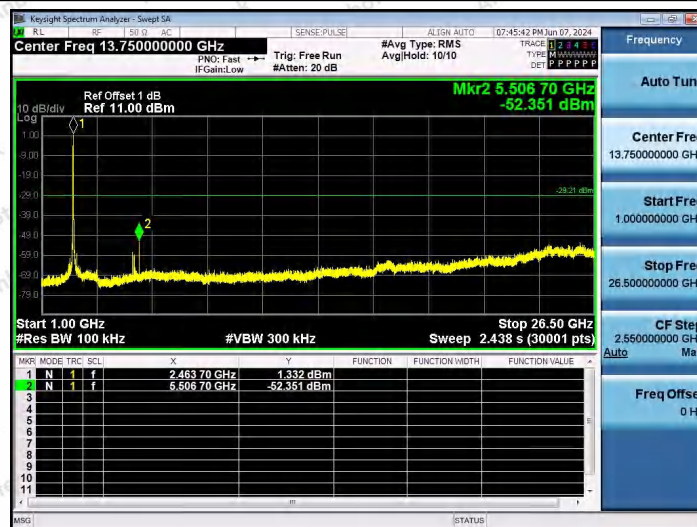




11N20SISO-Ant1-2462-0~Reference-PASS



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



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

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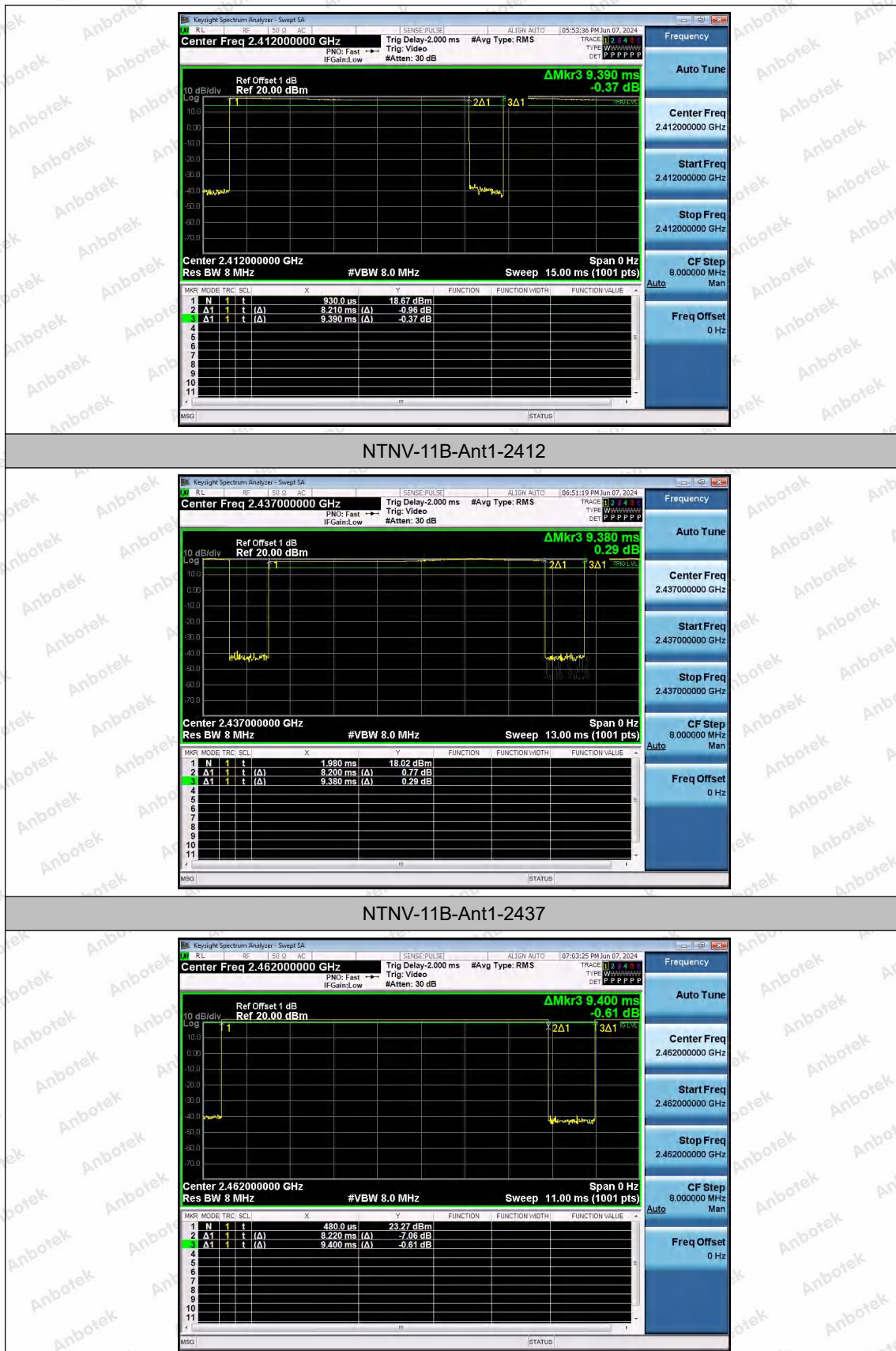
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.21	9.39	87.43	0.58
11B	Ant1	2437	8.20	9.38	87.42	0.58
11B	Ant1	2462	8.22	9.40	87.45	0.58
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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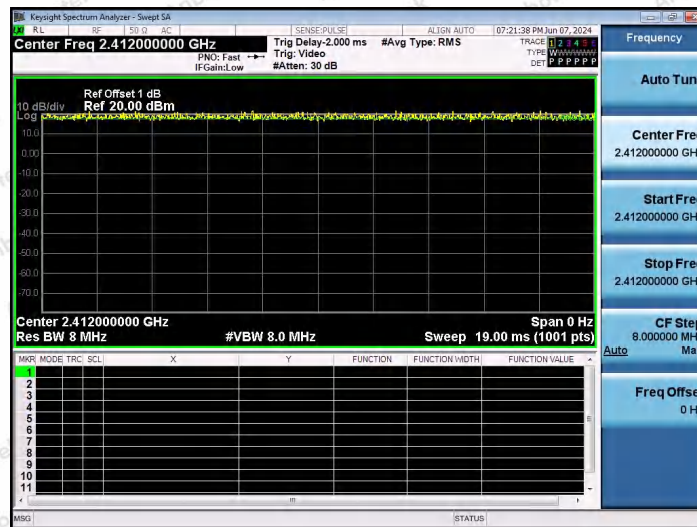
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



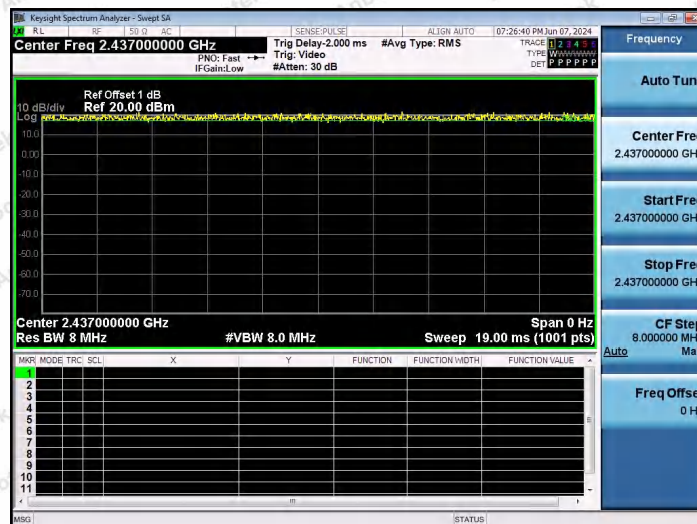
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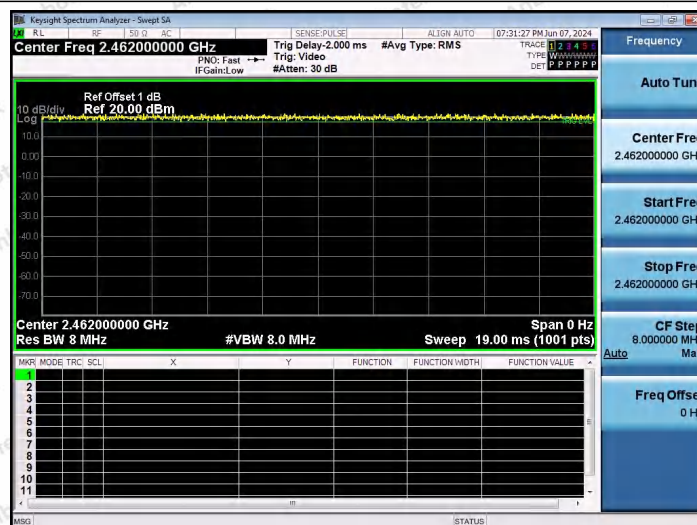
NTNV-11B-Ant1-2462



NTNV-11G-Ant1-2412



NTNV-11G-Ant1-2437



NTNV-11G-Ant1-2462

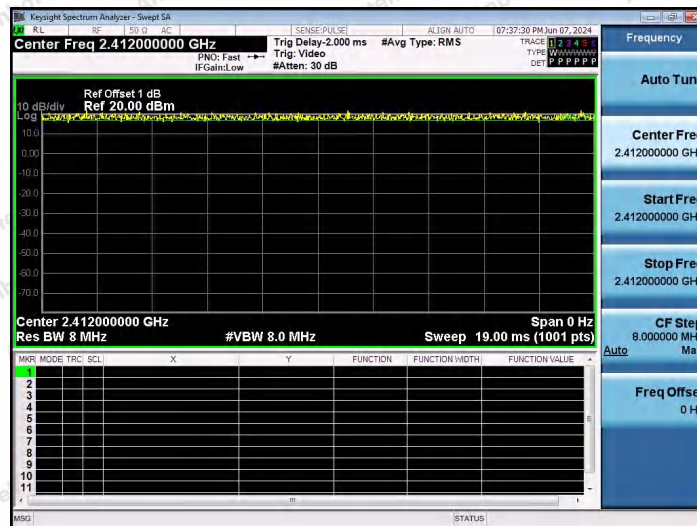
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

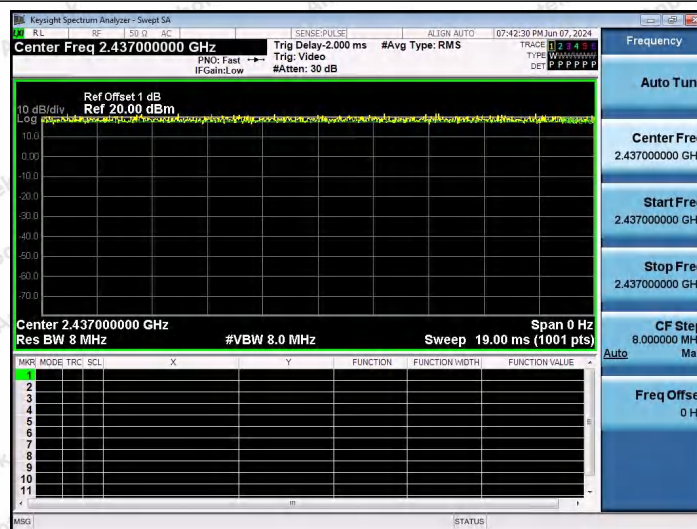


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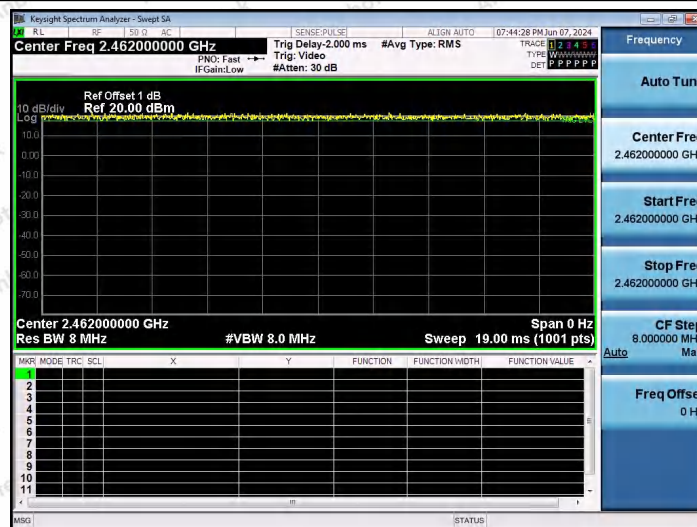




NTNV-11N20SISO-Ant1-2412



NTNV-11N20SISO-Ant1-2437



NTNV-11N20SISO-Ant1-2462

---End---

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