

Appendix Test Data

Report No.:	182512C400166102	Test Sample No.:	1-2-2
Start Test Date:	2024.6.11	Finish Test Date:	2024.6.17
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	8.040	2408.000	2416.040	0.5	PASS
11B	Ant1	2437	8.560	2432.480	2441.040	0.5	PASS
11B	Ant1	2462	8.040	2458.480	2466.520	0.5	PASS
11G	Ant1	2412	15.360	2404.440	2419.800	0.5	PASS
11G	Ant1	2437	15.120	2429.440	2444.560	0.5	PASS
11G	Ant1	2462	15.680	2454.080	2469.760	0.5	PASS
11N20SISO	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
11N20SISO	Ant1	2437	15.120	2429.440	2444.560	0.5	PASS
11N20SISO	Ant1	2462	15.480	2454.280	2469.760	0.5	PASS



Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



11B-Ant1-2462-PASS

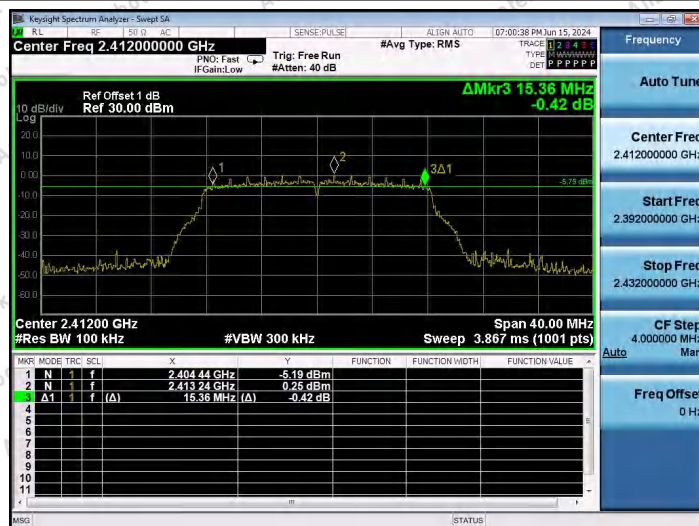
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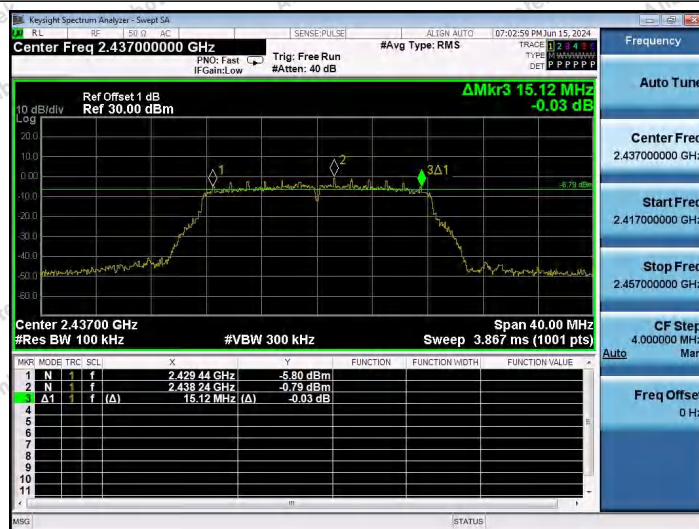


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11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

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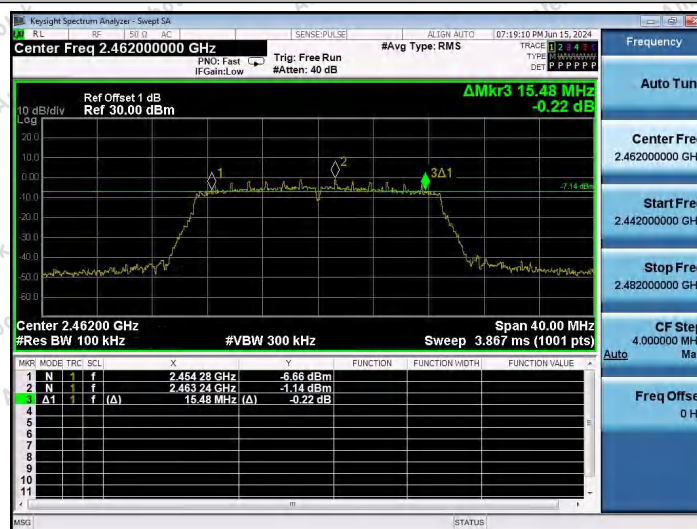




11N20SISO-Ant1-2412-PASS



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	12.902	2405.7379	2418.6299	---	---
11B	Ant1	2437	12.900	2430.4921	2443.3921	---	---
11B	Ant1	2462	12.938	2455.6915	2468.6185	---	---
11G	Ant1	2412	17.011	2403.5642	2420.5772	---	---
11G	Ant1	2437	16.899	2428.5482	2445.4722	---	---
11G	Ant1	2462	17.025	2453.5482	2470.5472	---	---
11N20SISO	Ant1	2412	18.021	2403.0923	2421.0843	---	---
11N20SISO	Ant1	2437	17.927	2428.0689	2445.9559	---	---
11N20SISO	Ant1	2462	17.982	2453.0643	2471.0123	---	---



Test Graphs



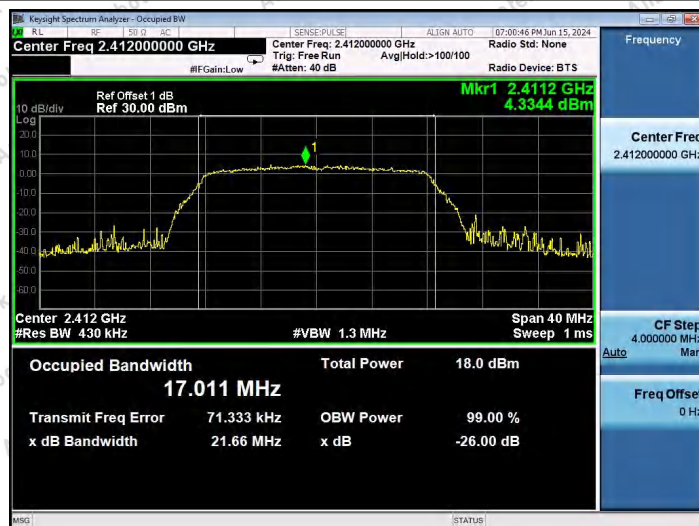
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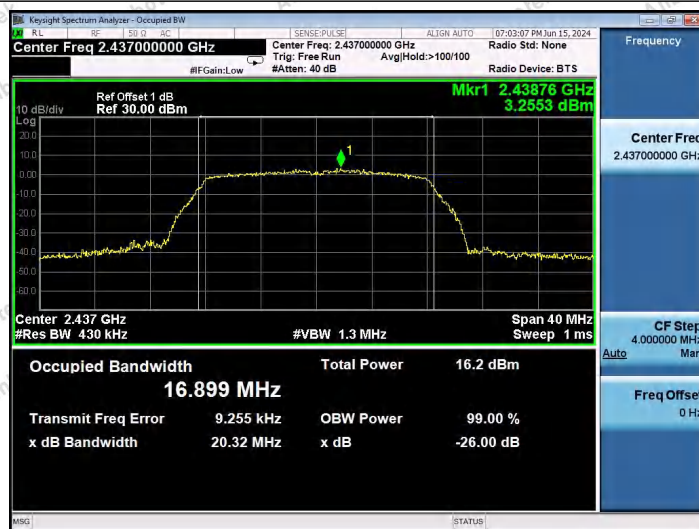


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11G-Ant1-2412



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 output power

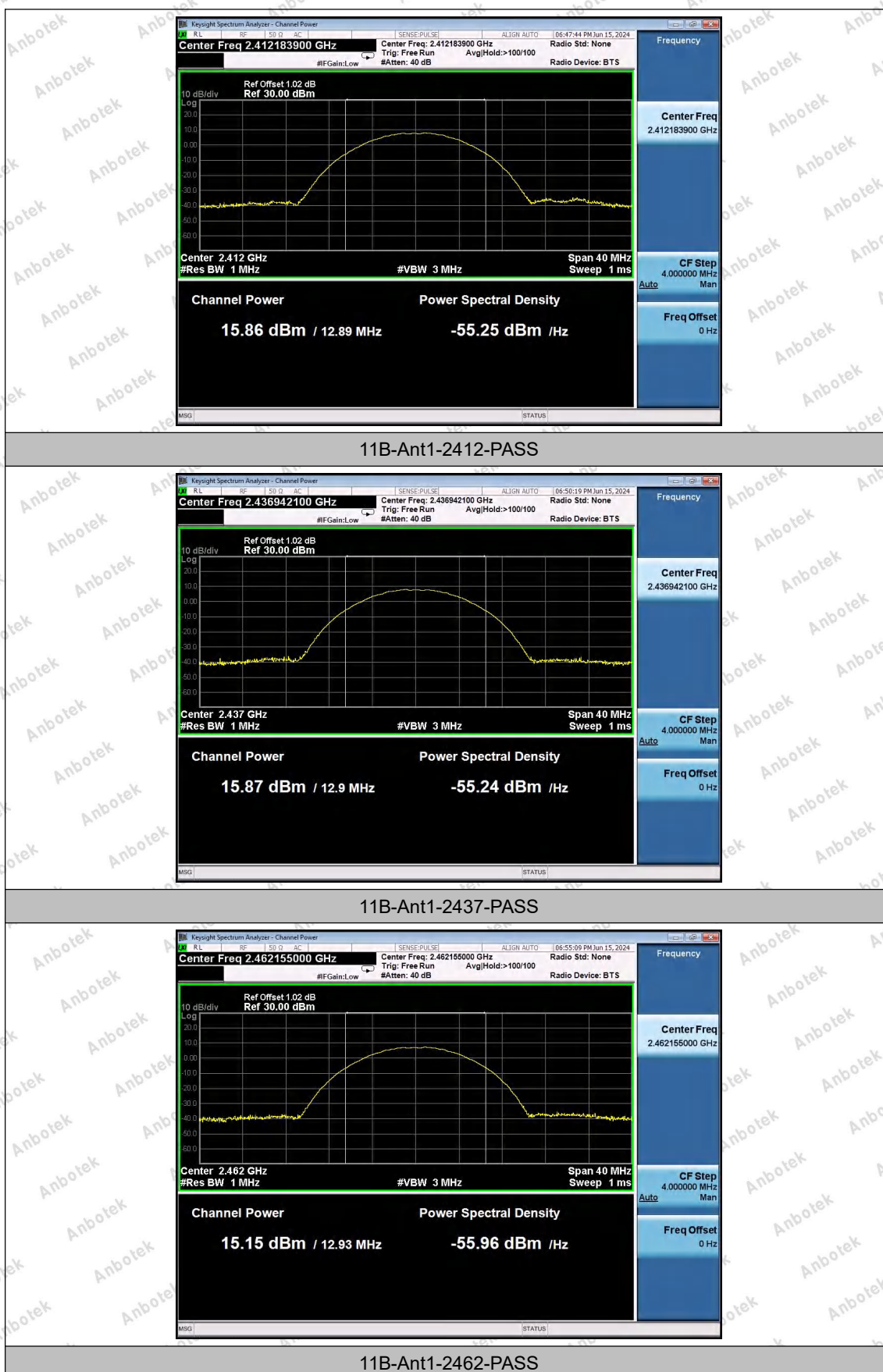
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	15.84	99.64	0.02	15.86	≤36.00	PASS
11B	Ant1	2437	15.85	99.64	0.02	15.87	≤36.00	PASS
11B	Ant1	2462	15.13	99.64	0.02	15.15	≤36.00	PASS
11G	Ant1	2412	16.02	97.90	0.09	16.11	≤36.00	PASS
11G	Ant1	2437	14.25	97.20	0.12	14.37	≤36.00	PASS
11G	Ant1	2462	14.70	97.90	0.09	14.79	≤36.00	PASS
11N20SISO	Ant1	2412	15.25	97.01	0.13	15.38	≤36.00	PASS
11N20SISO	Ant1	2437	15.23	97.74	0.10	15.33	≤36.00	PASS
11N20SISO	Ant1	2462	14.45	97.01	0.13	14.58	≤36.00	PASS

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



Test Graphs Average



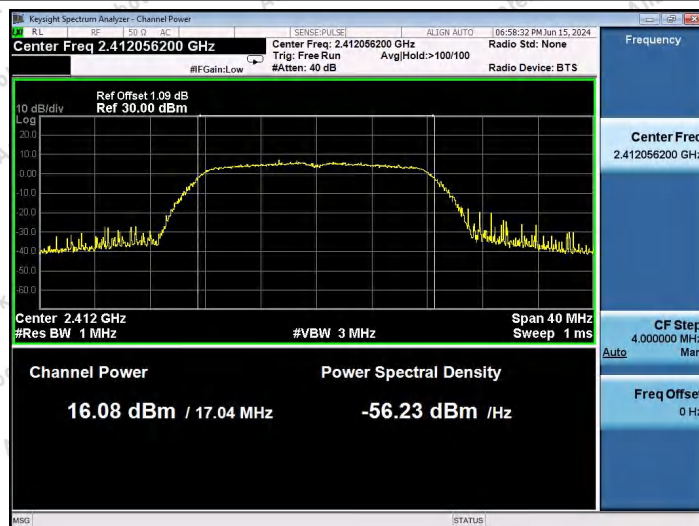
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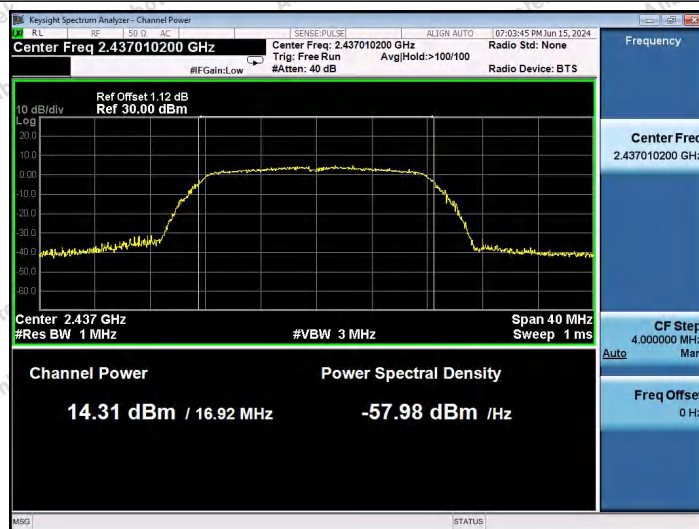


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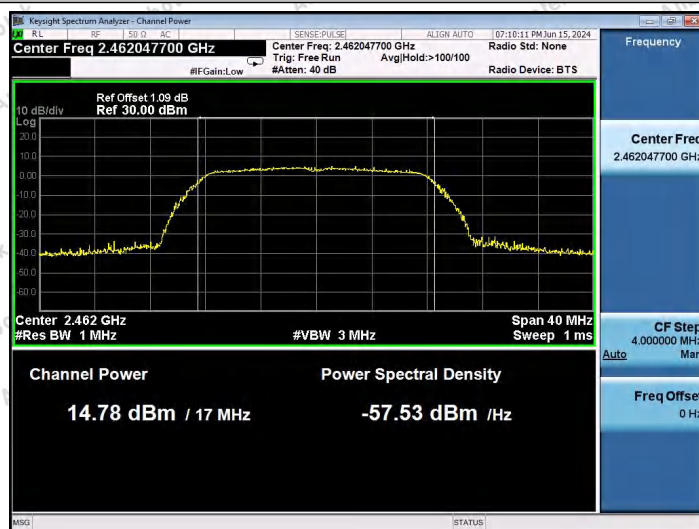




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS

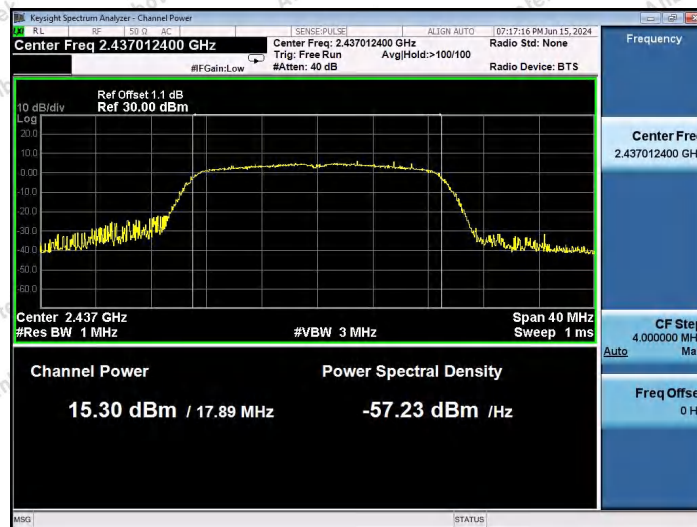


11G-Ant1-2462-PASS

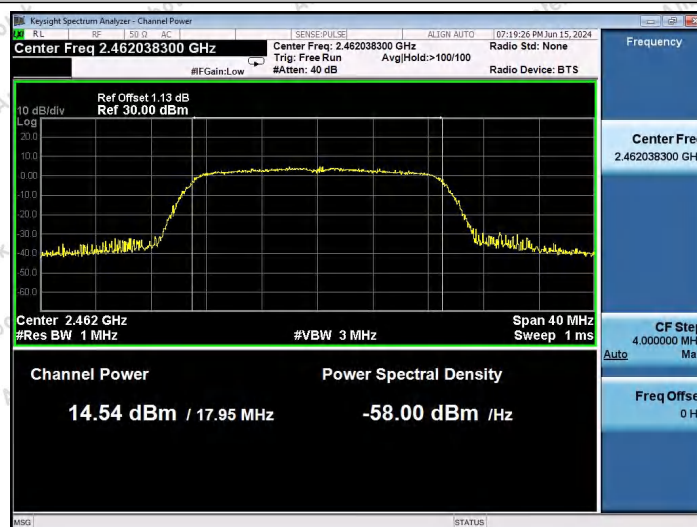




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

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Appendix D: Maximum power spectral density

Test Result

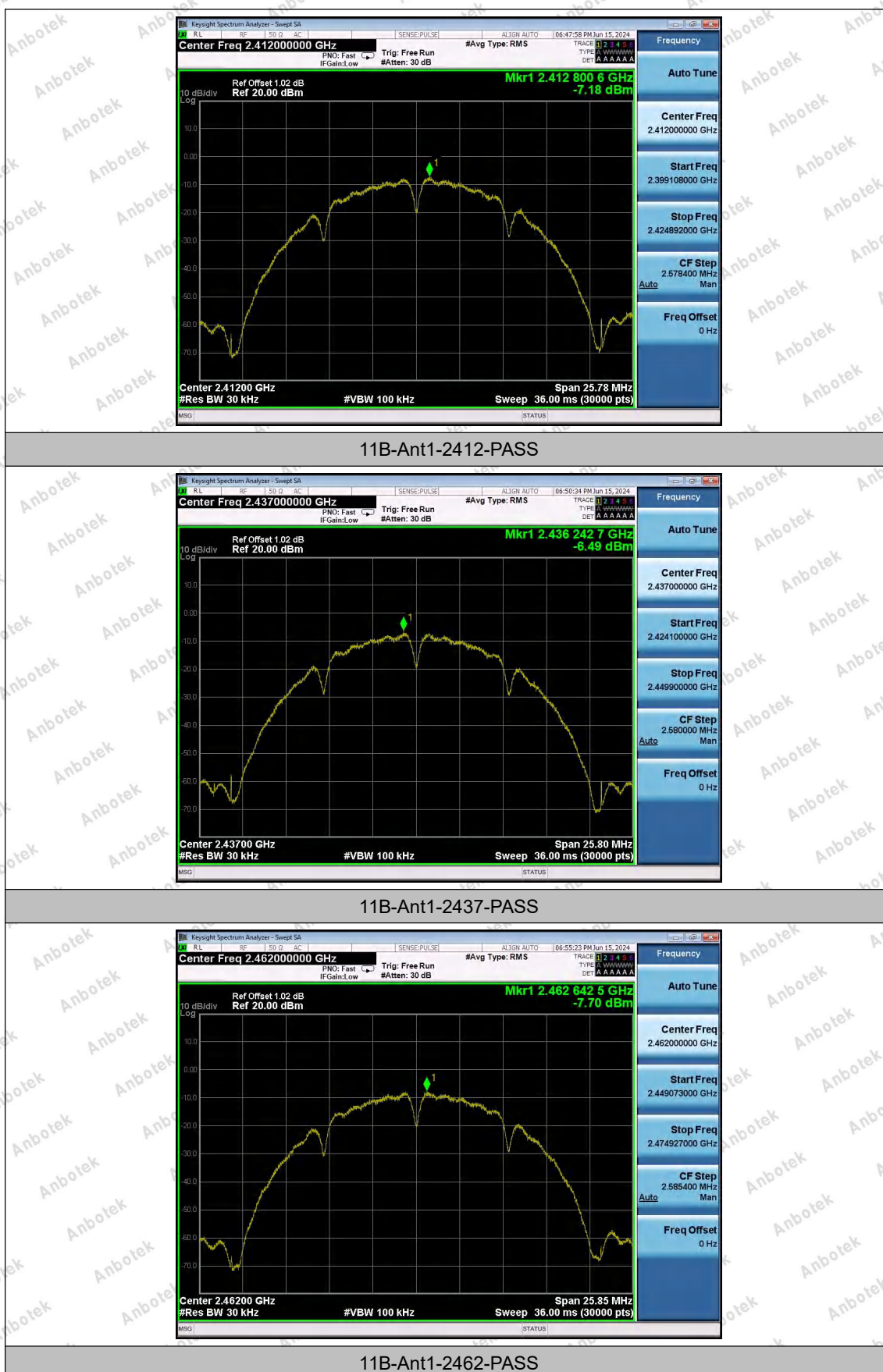
TestMode	Antenna	Frequency [MHz]	Result [dBm/30kHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-7.18	-17.18	≤8.00	PASS
11B	Ant1	2437	-6.49	-16.49	≤8.00	PASS
11B	Ant1	2462	-7.7	-17.7	≤8.00	PASS
11G	Ant1	2412	-12.72	-22.72	≤8.00	PASS
11G	Ant1	2437	-14.32	-24.32	≤8.00	PASS
11G	Ant1	2462	-14.27	-24.27	≤8.00	PASS
11N20SISO	Ant1	2412	-13.98	-23.98	≤8.00	PASS
11N20SISO	Ant1	2437	-13.76	-23.76	≤8.00	PASS
11N20SISO	Ant1	2462	-14.19	-24.19	≤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



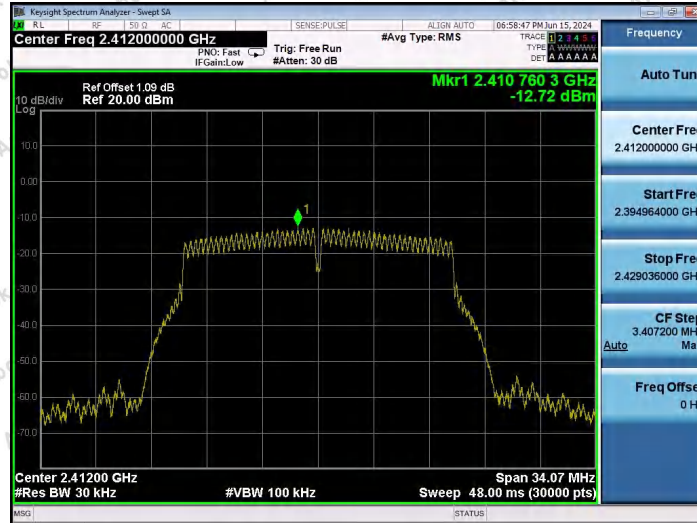
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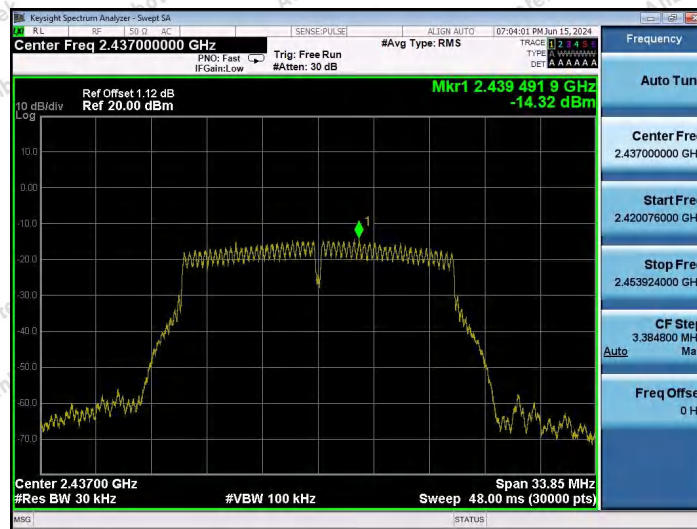


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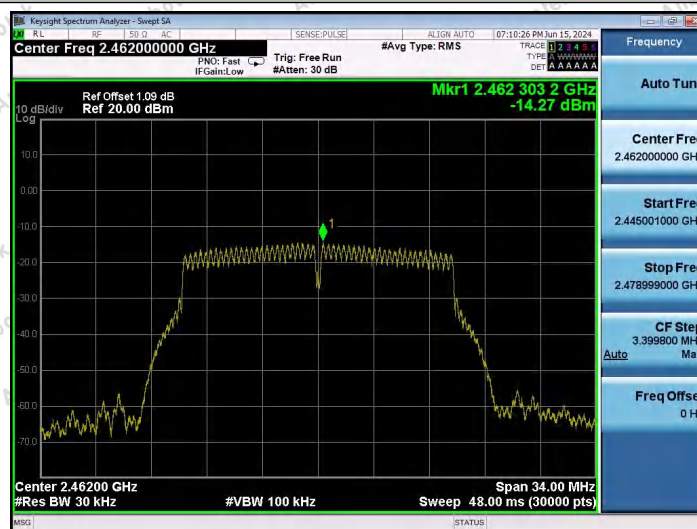




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

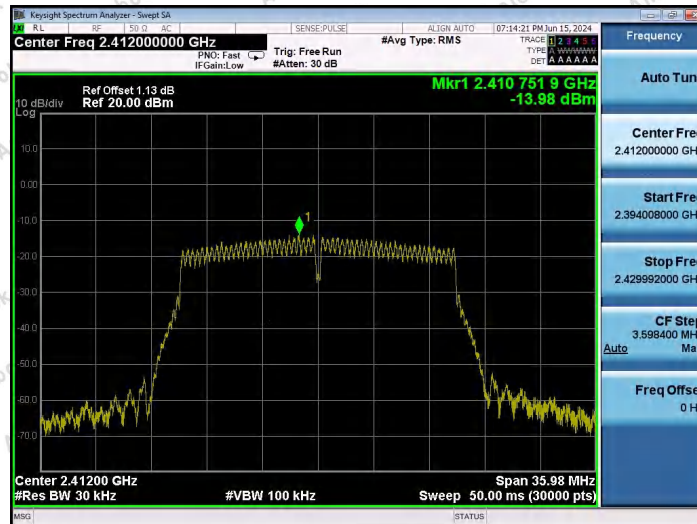
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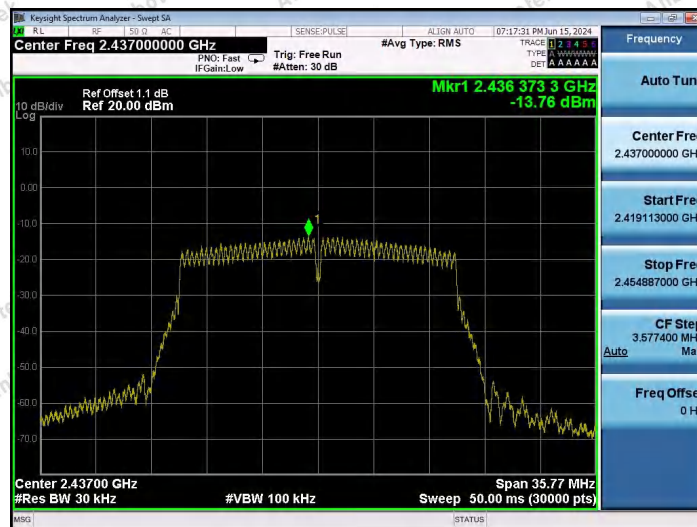


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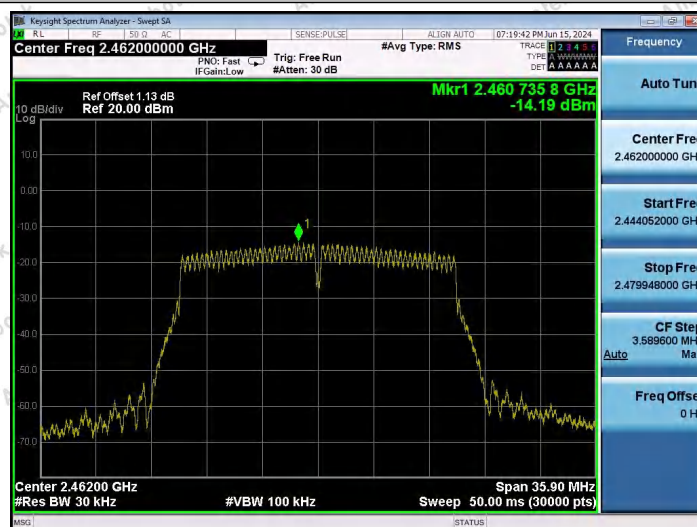




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

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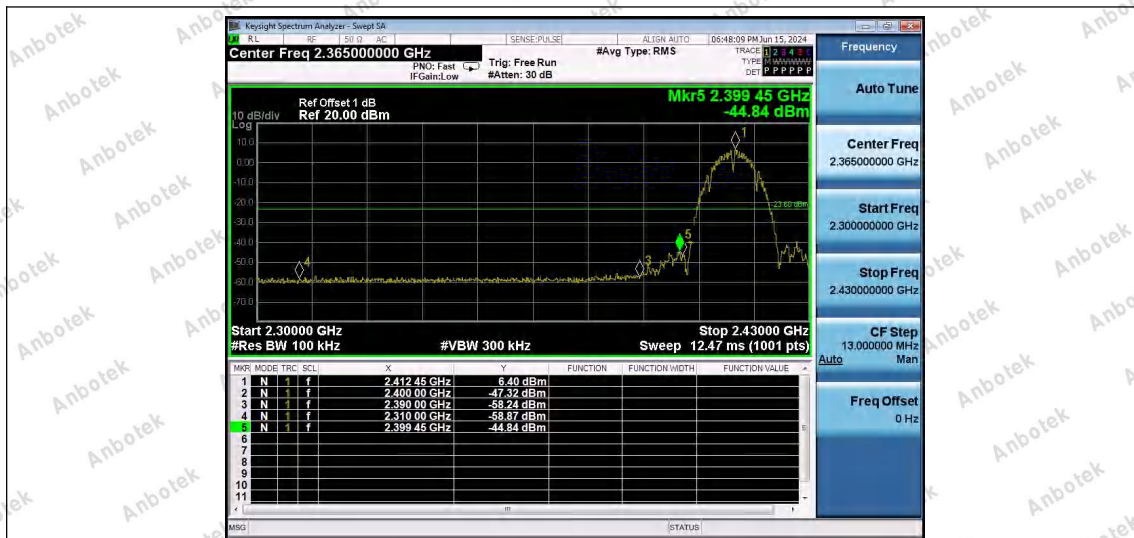
Appendix E: Conducted Band edge

Test Result

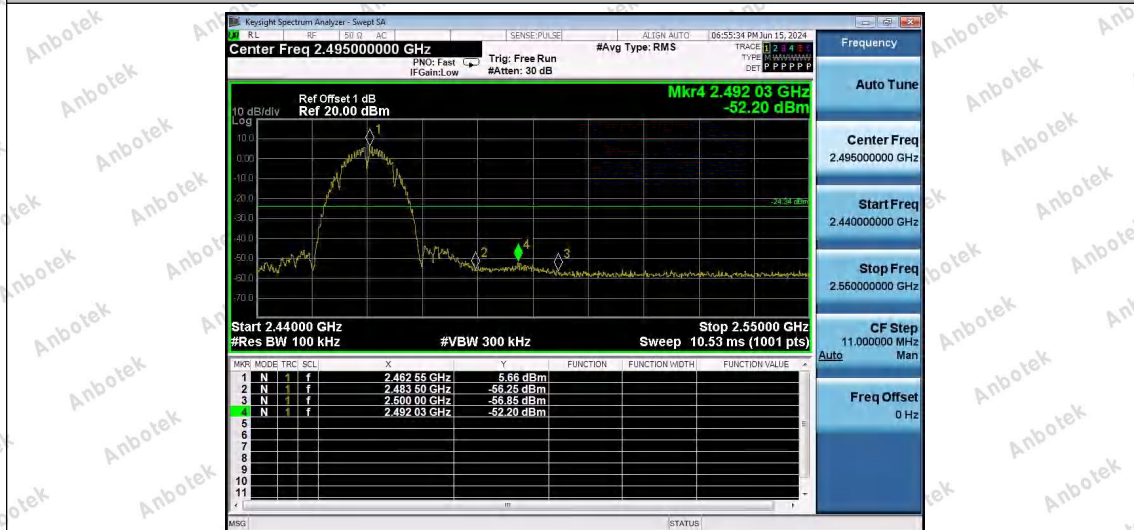
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.40	-44.84	≤-23.6	PASS
11B	Ant1	High	2462	5.66	-52.2	≤-24.34	PASS
11G	Ant1	Low	2412	0.34	-40.28	≤-29.66	PASS
11G	Ant1	High	2462	-1.50	-51.3	≤-31.5	PASS
11N20SISO	Ant1	Low	2412	-1.09	-38.57	≤-31.09	PASS
11N20SISO	Ant1	High	2462	-1.28	-51.79	≤-31.28	PASS



Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2462-PASS



11G-Ant1-2412-PASS

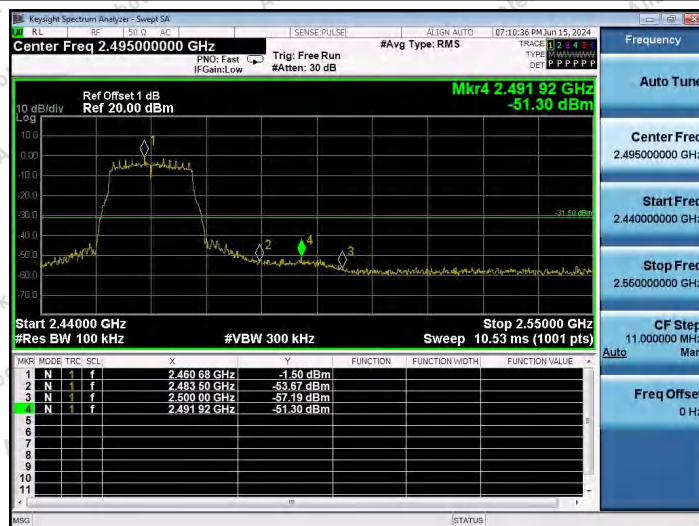
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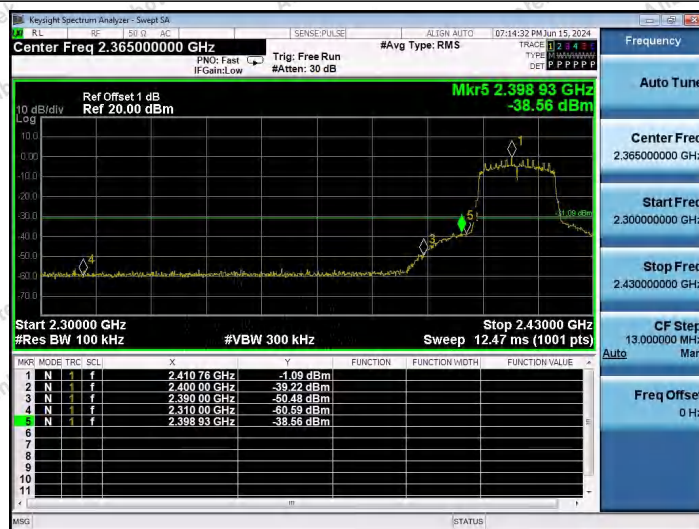


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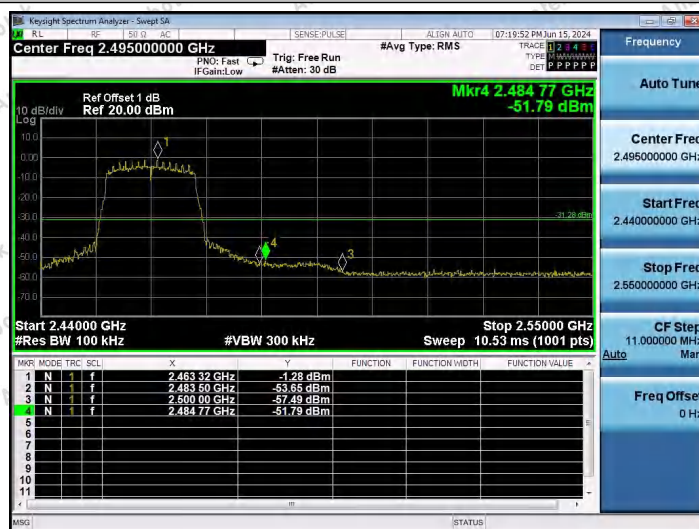




11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

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Appendix F: Conducted Spurious Emission

Test Result

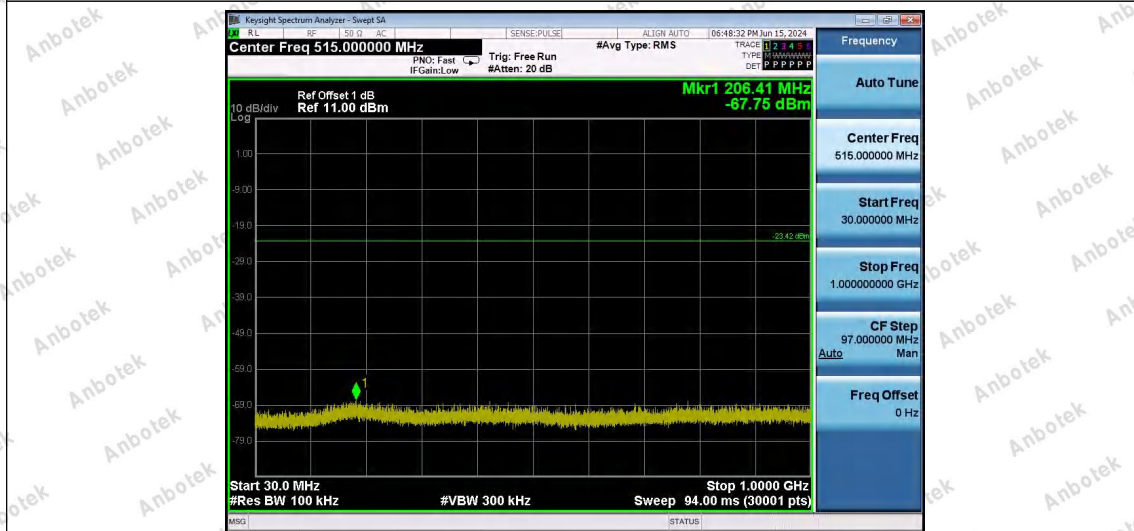
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	6.58	6.58	---	PASS
11B	Ant1	2412	30~1000	6.58	-67.75	≤-23.42	PASS
11B	Ant1	2412	1000~26500	6.58	-48.36	≤-23.42	PASS
11B	Ant1	2437	0~Reference	6.39	6.39	---	PASS
11B	Ant1	2437	30~1000	6.39	-66.63	≤-23.61	PASS
11B	Ant1	2437	1000~26500	6.39	-49.17	≤-23.61	PASS
11B	Ant1	2462	0~Reference	5.78	5.78	---	PASS
11B	Ant1	2462	30~1000	5.78	-67.5	≤-24.22	PASS
11B	Ant1	2462	1000~26500	5.78	-49.11	≤-24.22	PASS
11G	Ant1	2412	0~Reference	0.54	0.54	---	PASS
11G	Ant1	2412	30~1000	0.54	-67.15	≤-29.46	PASS
11G	Ant1	2412	1000~26500	0.54	-52.77	≤-29.46	PASS
11G	Ant1	2437	0~Reference	-1.15	-1.15	---	PASS
11G	Ant1	2437	30~1000	-1.15	-67.49	≤-31.15	PASS
11G	Ant1	2437	1000~26500	-1.15	-53.57	≤-31.15	PASS
11G	Ant1	2462	0~Reference	-0.96	-0.96	---	PASS
11G	Ant1	2462	30~1000	-0.96	-67.61	≤-30.96	PASS
11G	Ant1	2462	1000~26500	-0.96	-53.98	≤-30.96	PASS
11N20SISO	Ant1	2412	0~Reference	-0.61	-0.61	---	PASS
11N20SISO	Ant1	2412	30~1000	-0.61	-67.93	≤-30.61	PASS
11N20SISO	Ant1	2412	1000~26500	-0.61	-53.07	≤-30.61	PASS
11N20SISO	Ant1	2437	0~Reference	0.33	0.33	---	PASS
11N20SISO	Ant1	2437	30~1000	0.33	-67.71	≤-29.67	PASS
11N20SISO	Ant1	2437	1000~26500	0.33	-53.48	≤-29.67	PASS
11N20SISO	Ant1	2462	0~Reference	-0.98	-0.98	---	PASS
11N20SISO	Ant1	2462	30~1000	-0.98	-66.85	≤-30.98	PASS
11N20SISO	Ant1	2462	1000~26500	-0.98	-54.15	≤-30.98	PASS



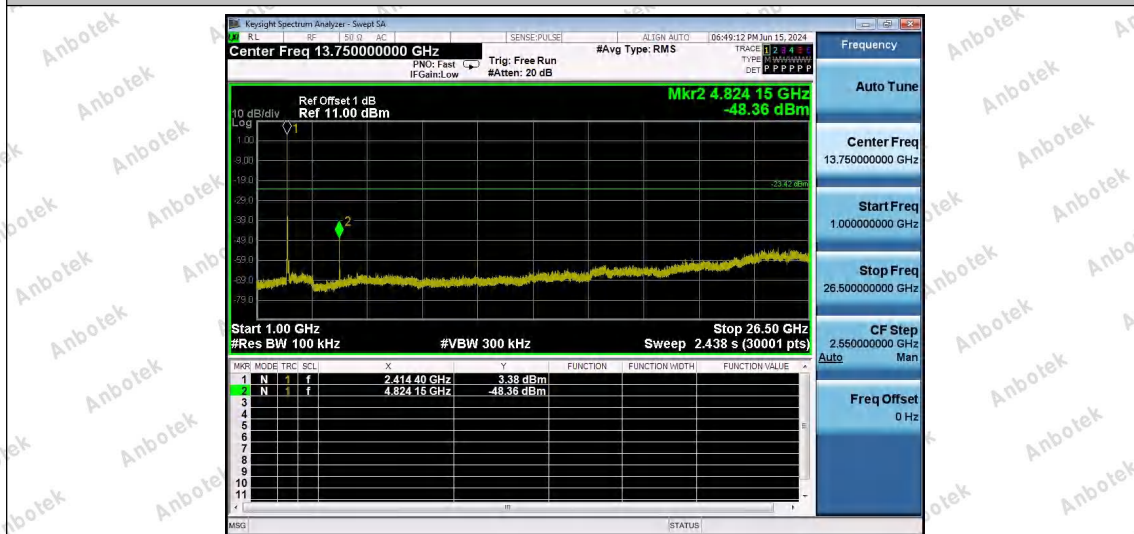
Test Graphs



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



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



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

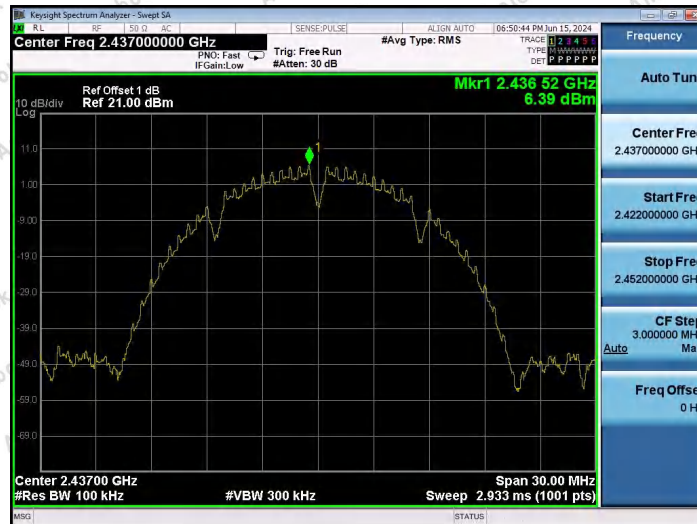
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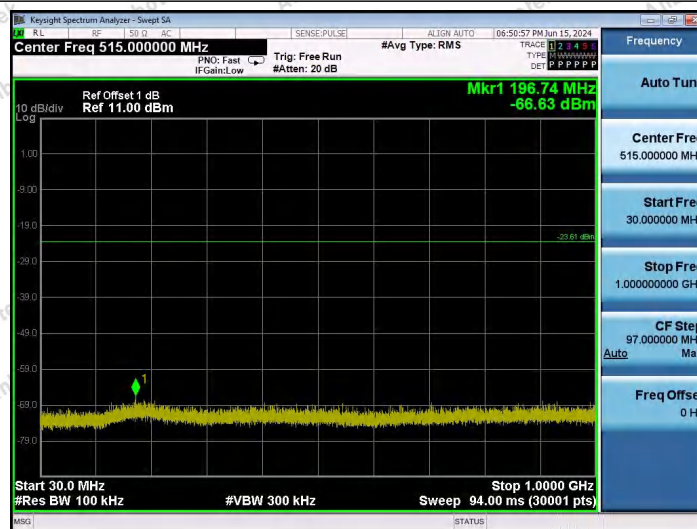


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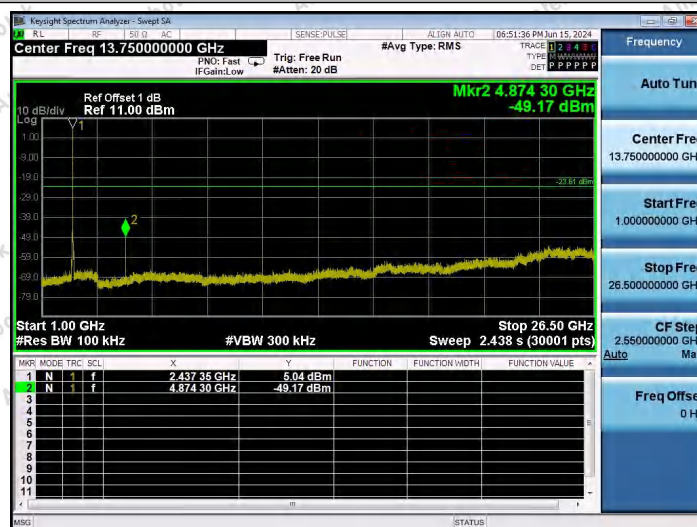




11B-Ant1-2437-0~Reference-PASS



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



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

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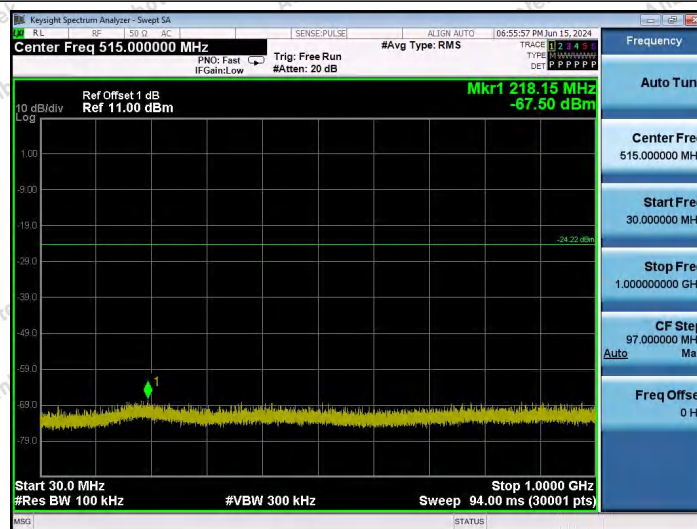


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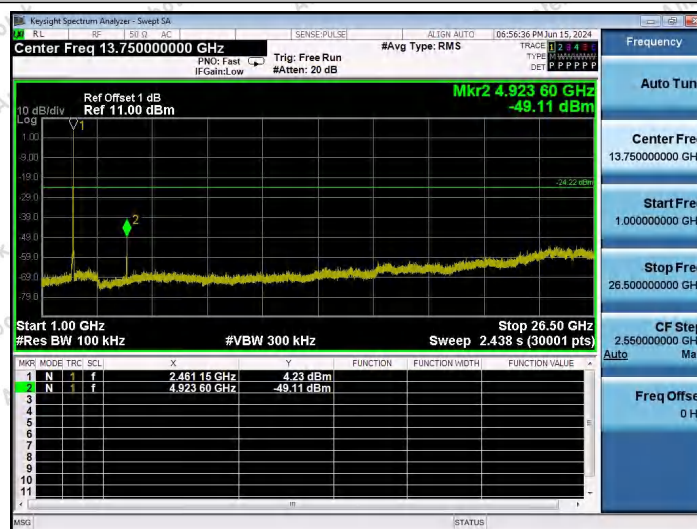




11B-Ant1-2462-0~Reference-PASS



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



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

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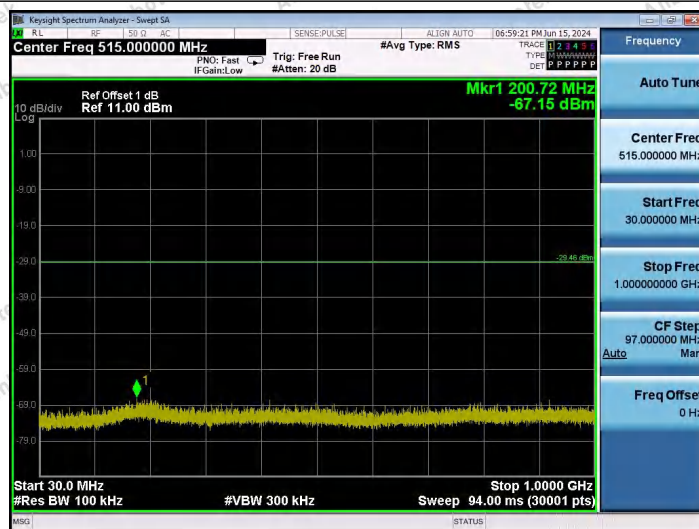


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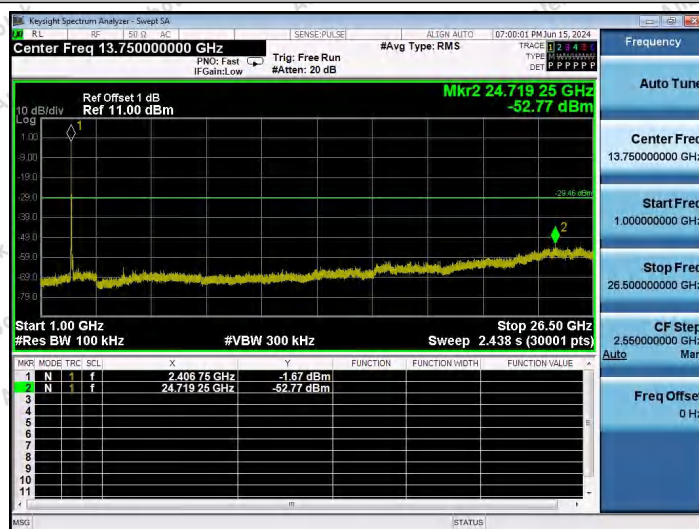




11G-Ant1-2412-0~Reference-PASS



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



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

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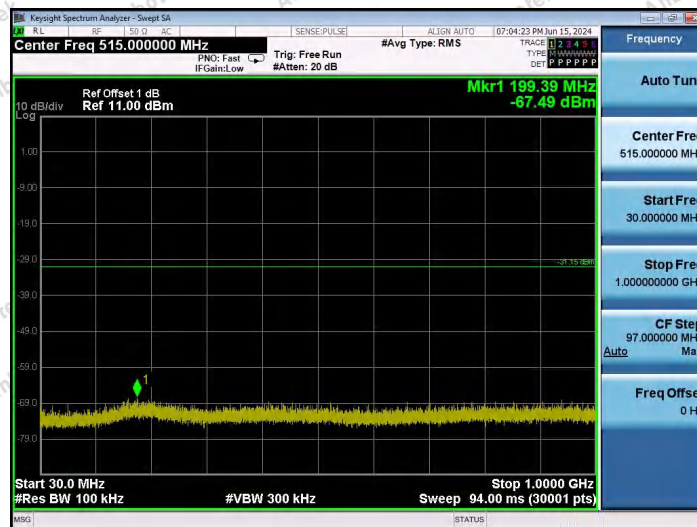


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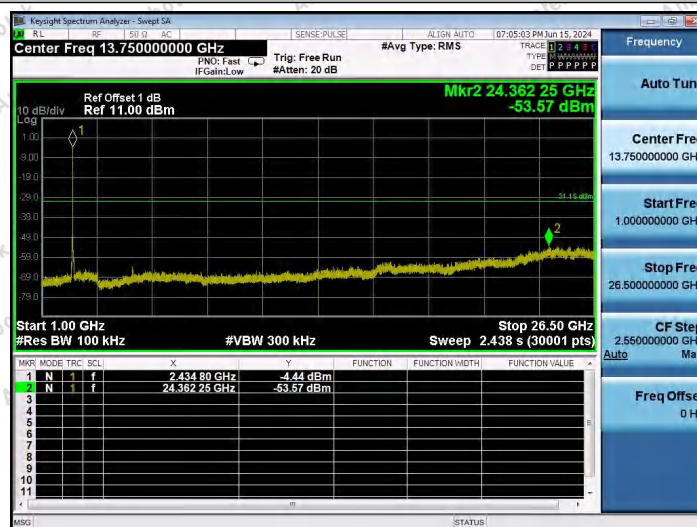




11G-Ant1-2437-0~Reference-PASS



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



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

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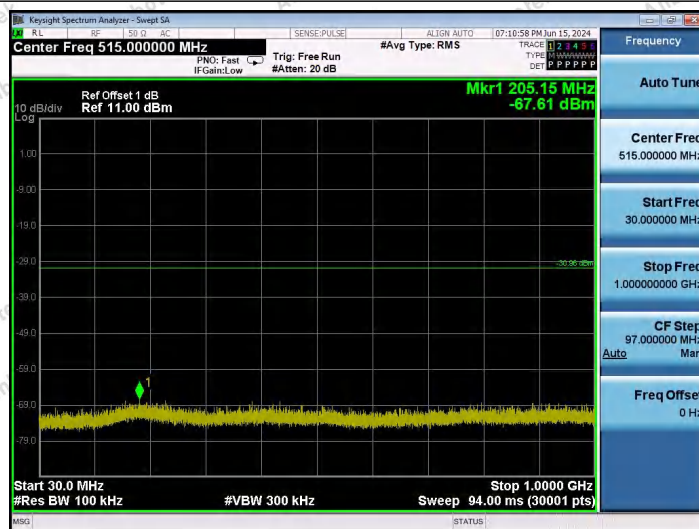


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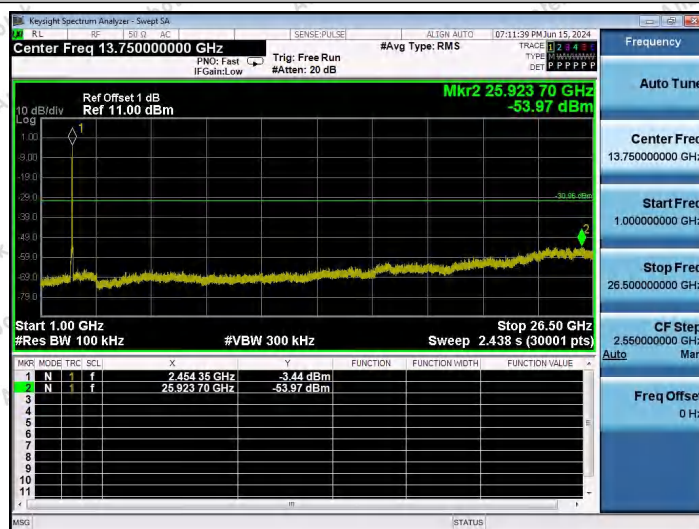




11G-Ant1-2462-0~Reference-PASS



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



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

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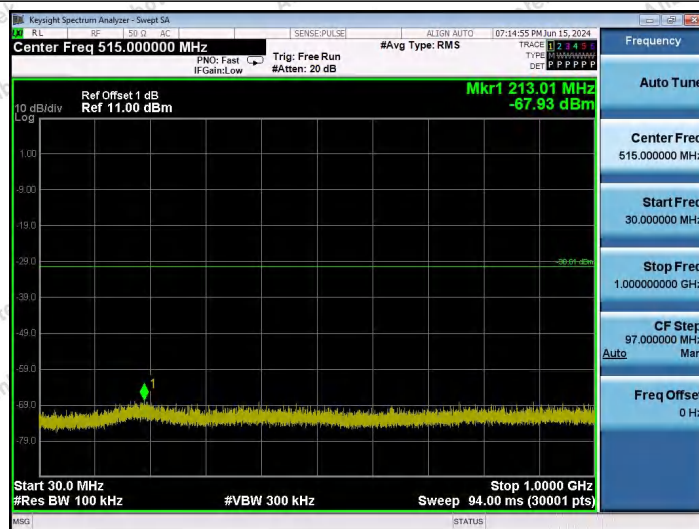


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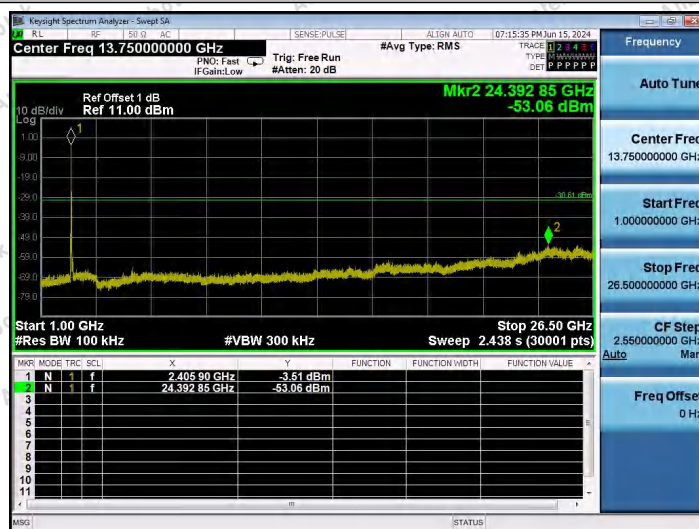




11N20SISO-Ant1-2412-0~Reference-PASS



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



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

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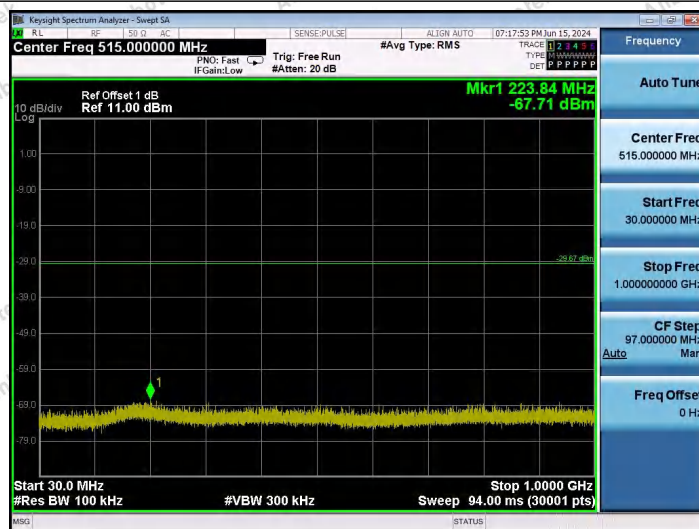


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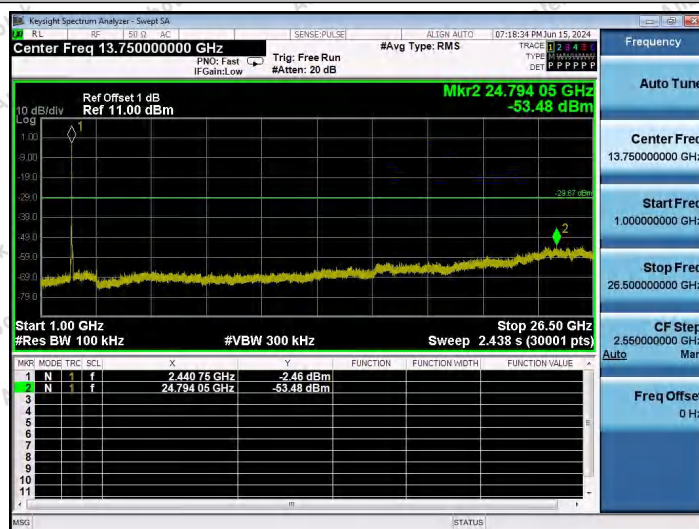




11N20SISO-Ant1-2437-0~Reference-PASS



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



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

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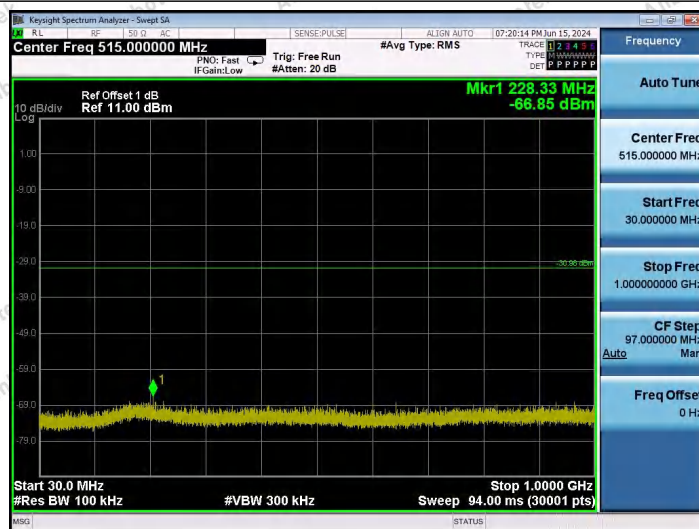


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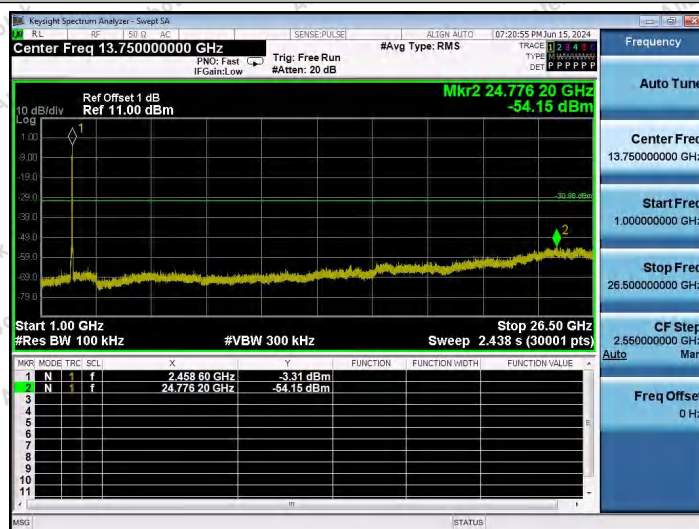




11N20SISO-Ant1-2462-0~Reference-PASS



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



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

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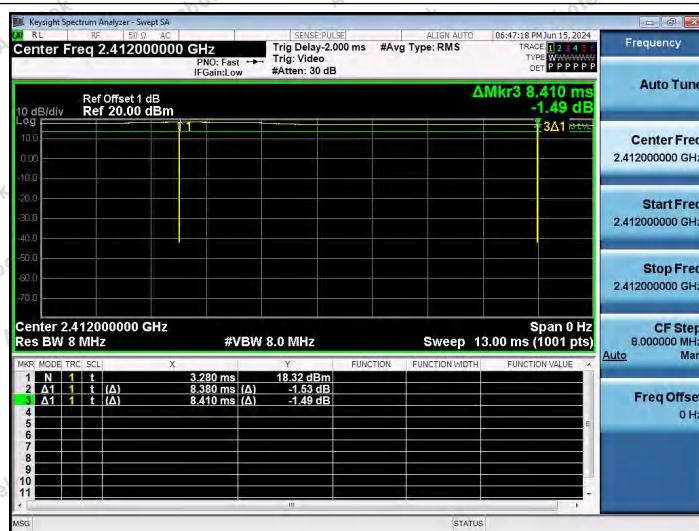
Appendix G: Duty Cycle

Test Result

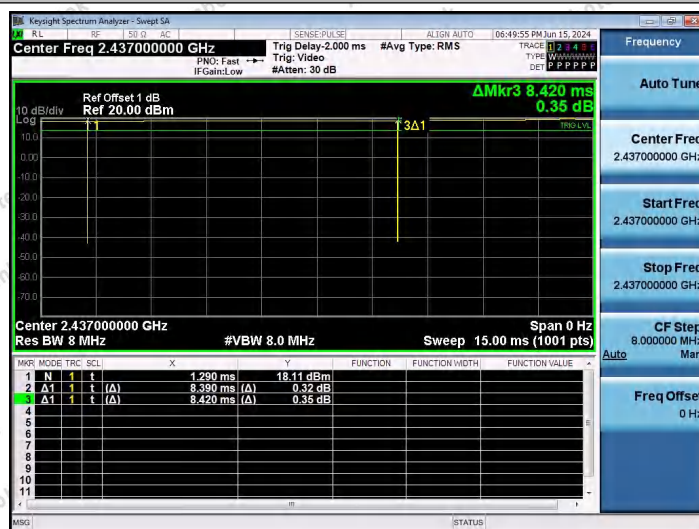
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.38	8.41	99.64	0.02
11B	Ant1	2437	8.39	8.42	99.64	0.02
11B	Ant1	2462	8.39	8.42	99.64	0.02
11G	Ant1	2412	1.39	1.43	97.20	0.12
11G	Ant1	2437	1.39	1.43	97.20	0.12
11G	Ant1	2462	1.40	1.43	97.90	0.09
11N20SISO	Ant1	2412	1.30	1.34	97.01	0.13
11N20SISO	Ant1	2437	1.30	1.33	97.74	0.10
11N20SISO	Ant1	2462	1.30	1.34	97.01	0.13



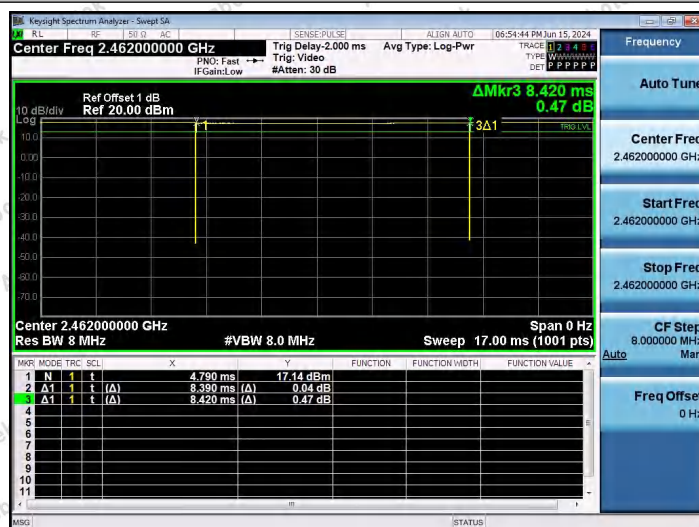
Test Graphs



NTNV-11B-Ant1-2412



NTNV-11B-Ant1-2437



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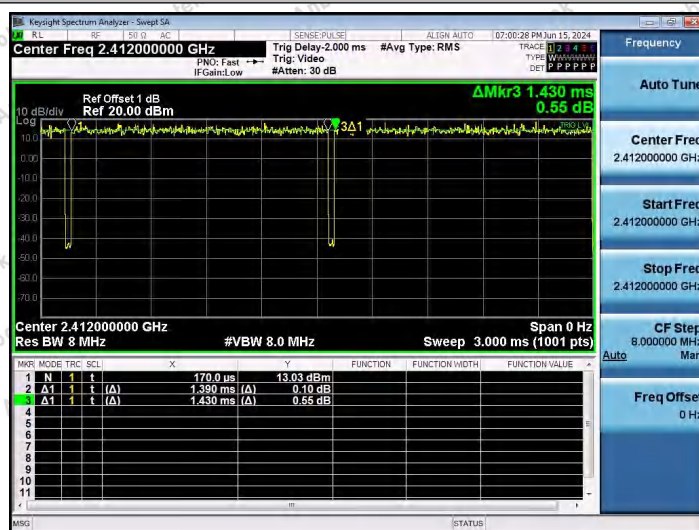
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86) 0755-26066440 Email: service@anbotech.com



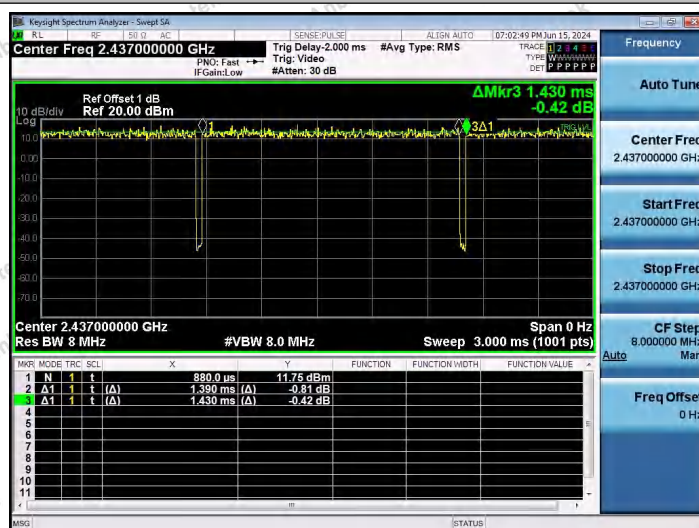
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NTNV-11B-Ant1-2462



NTNV-11G-Ant1-2412



NTNV-11G-Ant1-2437



NTNV-11G-Ant1-2462

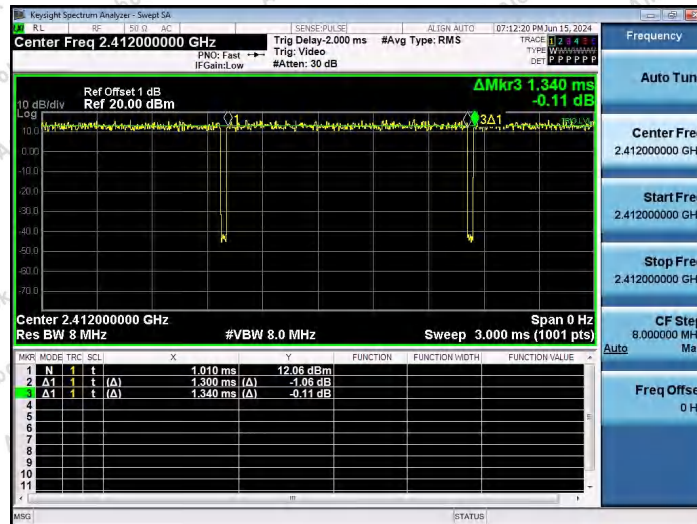
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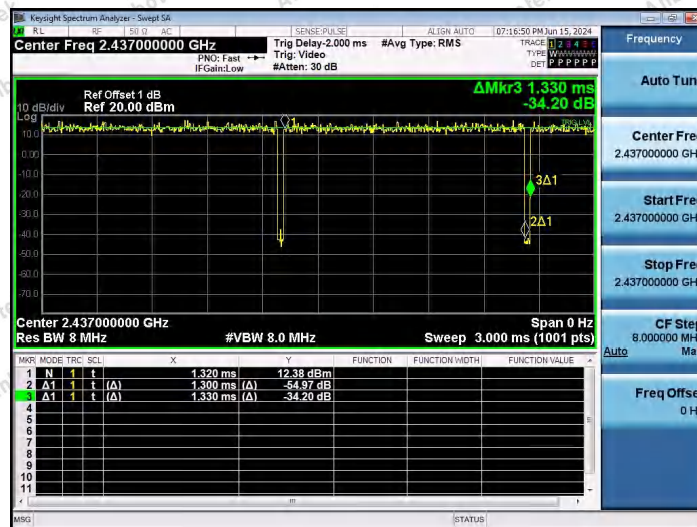


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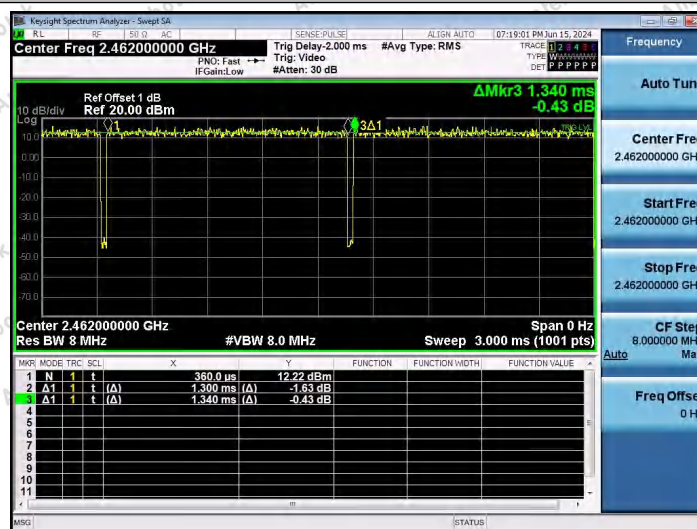




NTNV-11N20SISO-Ant1-2412



NTNV-11N20SISO-Ant1-2437



NTNV-11N20SISO-Ant1-2462

---End---

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