

Appendix Test Data

Report No.:	182512C400470102	Test Sample No.:	1-2-2
Start Test Date:	2024.7.30	Finish Test Date:	2024.7.30
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	8.000	2408.000	2416.000	0.5	PASS
11B	Ant1	2437	7.560	2432.960	2440.520	0.5	PASS
11B	Ant1	2462	7.600	2458.400	2466.000	0.5	PASS
11G	Ant1	2412	15.080	2404.440	2419.520	0.5	PASS
11G	Ant1	2437	14.440	2429.440	2443.880	0.5	PASS
11G	Ant1	2462	15.120	2454.400	2469.520	0.5	PASS
11N20SISO	Ant1	2412	15.680	2404.440	2420.120	0.5	PASS
11N20SISO	Ant1	2437	15.720	2428.800	2444.520	0.5	PASS
11N20SISO	Ant1	2462	15.400	2453.840	2469.240	0.5	PASS



Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



11B-Ant1-2462-PASS

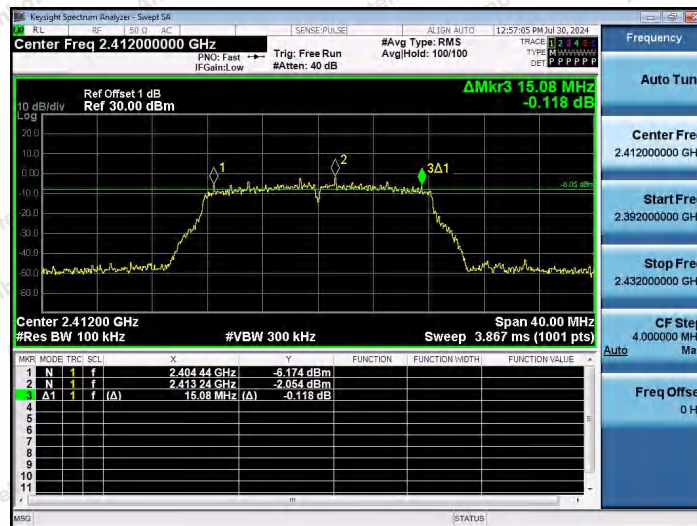
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

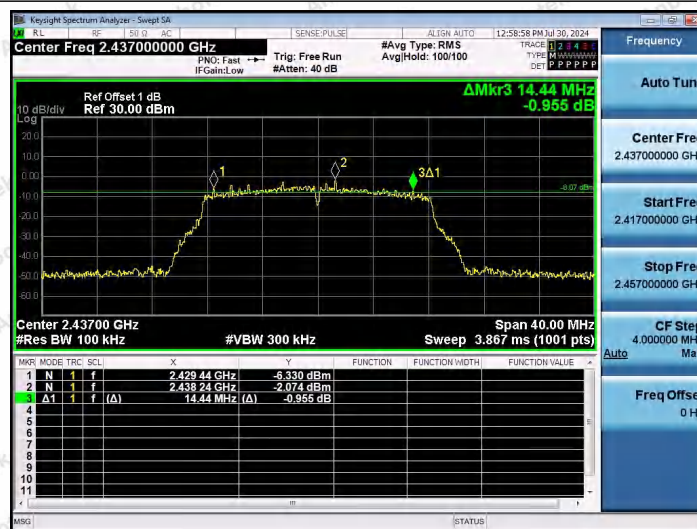


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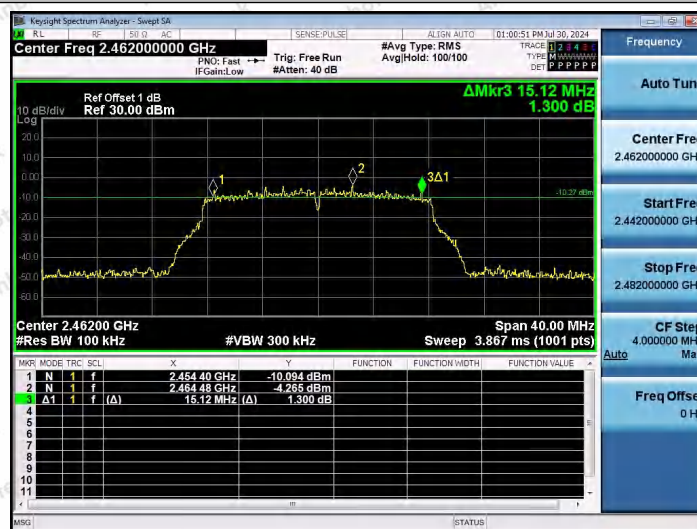




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



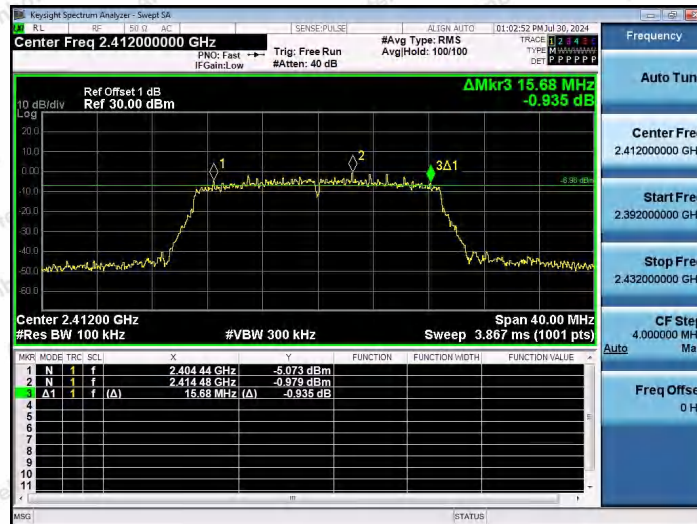
11G-Ant1-2462-PASS

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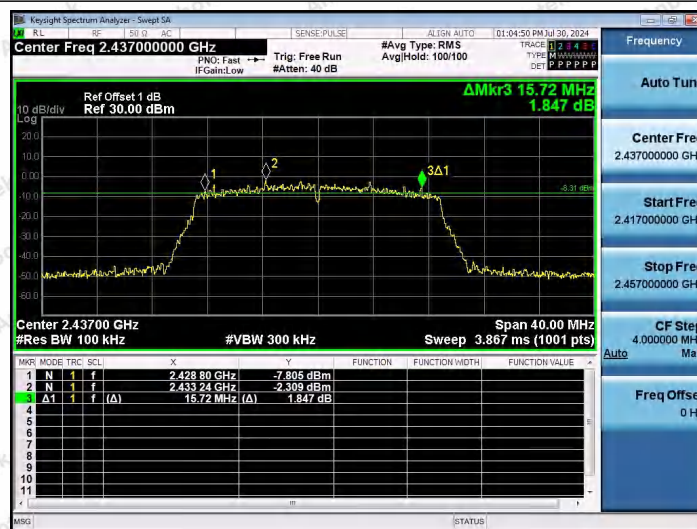
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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11N20SISO-Ant1-2412-PASS



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	12.849	2405.6601	2418.5091	---	---
11B	Ant1	2437	12.457	2430.6472	2443.1042	---	---
11B	Ant1	2462	12.879	2455.5912	2468.4702	---	---
11G	Ant1	2412	16.668	2403.7020	2420.3700	---	---
11G	Ant1	2437	16.548	2428.6939	2445.2419	---	---
11G	Ant1	2462	16.661	2453.7065	2470.3675	---	---
11N20SISO	Ant1	2412	17.677	2403.2394	2420.9164	---	---
11N20SISO	Ant1	2437	17.615	2428.1866	2445.8016	---	---
11N20SISO	Ant1	2462	17.769	2453.1567	2470.9257	---	---



Test Graphs



11B-Ant1-2412



11B-Ant1-2437



11B-Ant1-2462

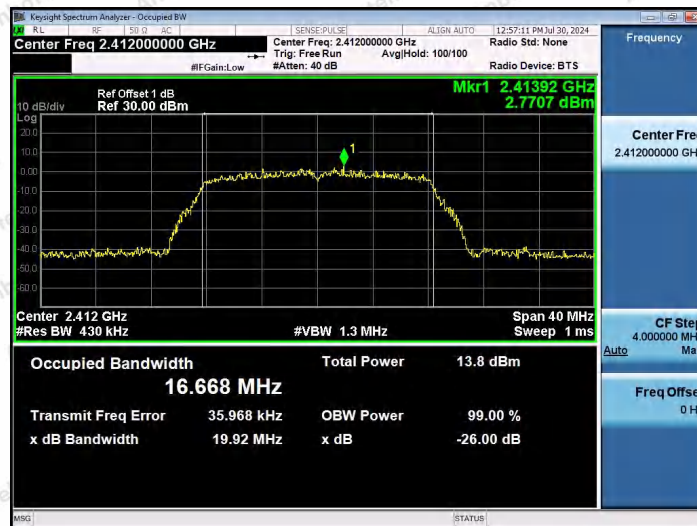
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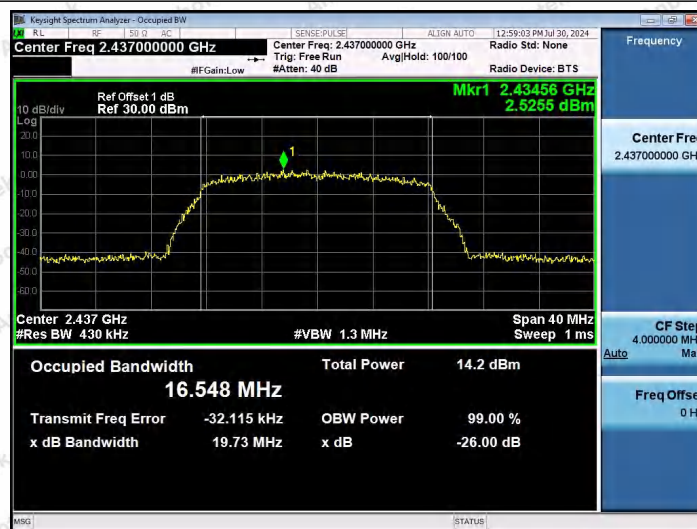


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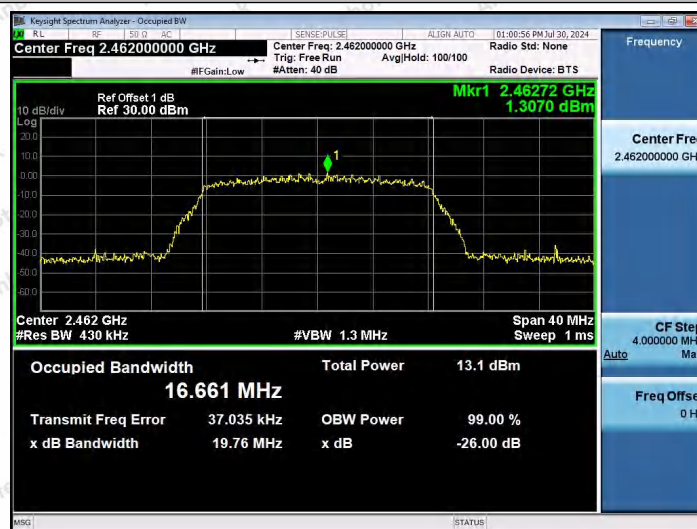




11G-Ant1-2412



11G-Ant1-2437



11G-Ant1-2462

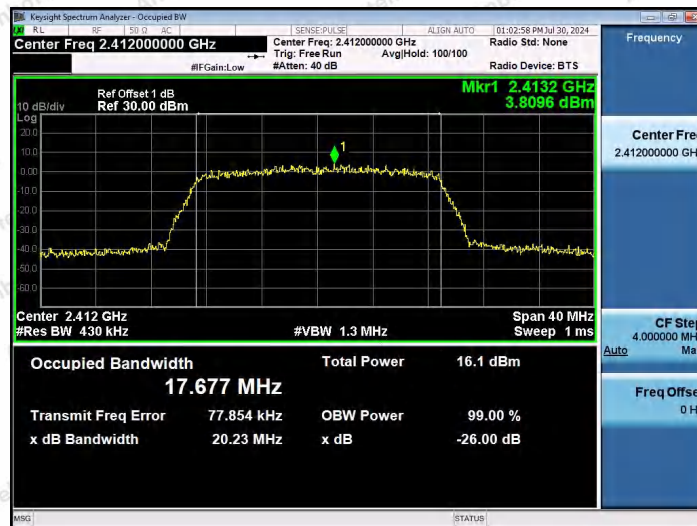
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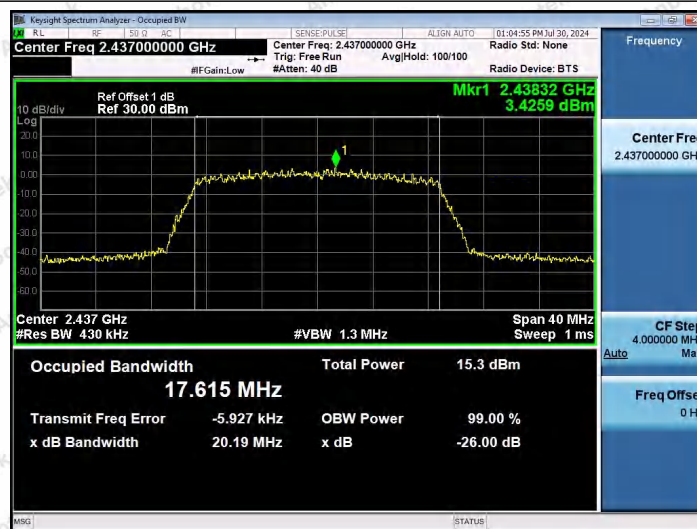


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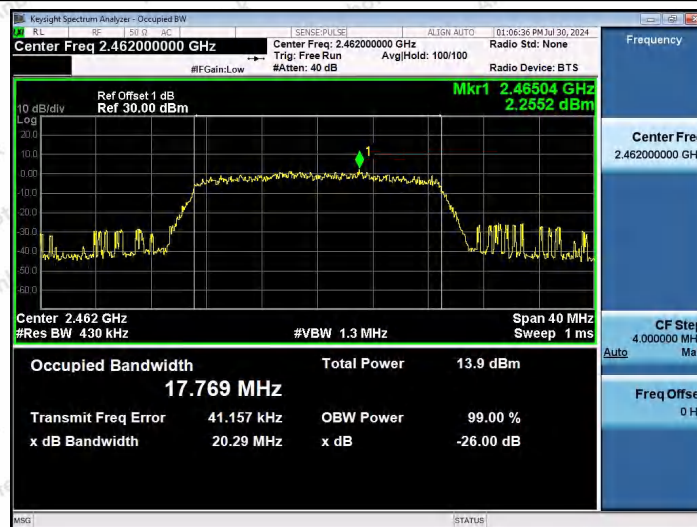




11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



11N20SISO-Ant1-2462

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Appendix C: Maximum conducted output power

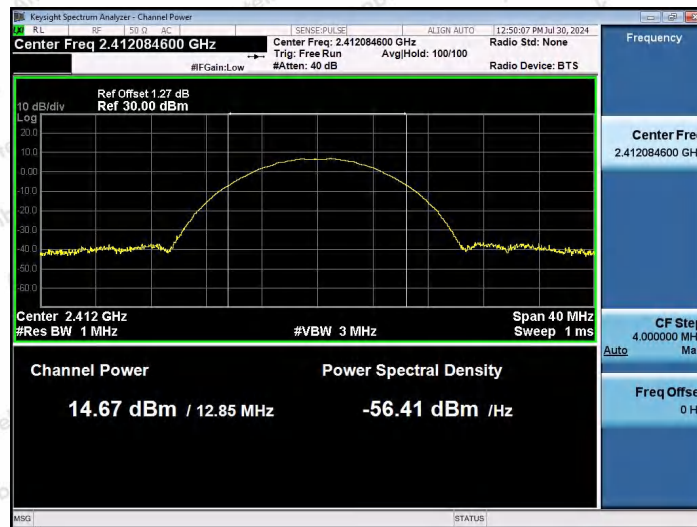
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.40	94.05	0.27	14.67	≤30.00	PASS
11B	Ant1	2437	13.73	94.27	0.26	13.99	≤30.00	PASS
11B	Ant1	2462	12.03	93.95	0.27	12.30	≤30.00	PASS
11G	Ant1	2412	12.56	71.28	1.47	14.03	≤30.00	PASS
11G	Ant1	2437	12.44	72.02	1.43	13.87	≤30.00	PASS
11G	Ant1	2462	11.11	71.65	1.45	12.56	≤30.00	PASS
11N20SISO	Ant1	2412	14.37	70.65	1.51	15.88	≤30.00	PASS
11N20SISO	Ant1	2437	13.64	70.65	1.51	15.15	≤30.00	PASS
11N20SISO	Ant1	2462	12.22	71.43	1.46	13.68	≤30.00	PASS

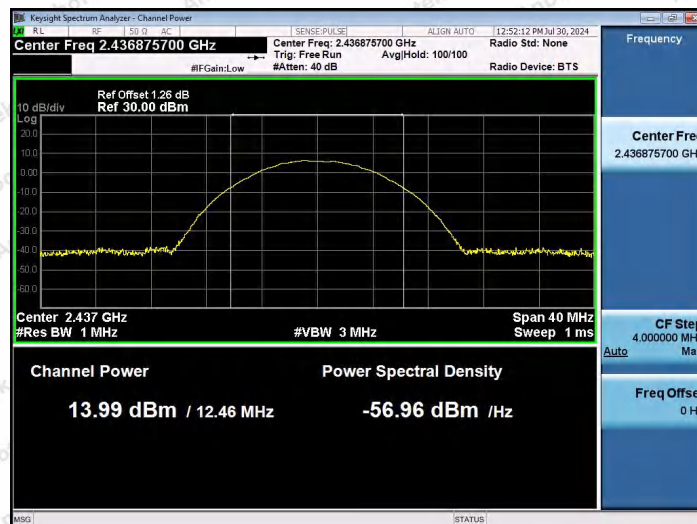
Note: The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.



Test Graphs Average



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



11B-Ant1-2462-PASS

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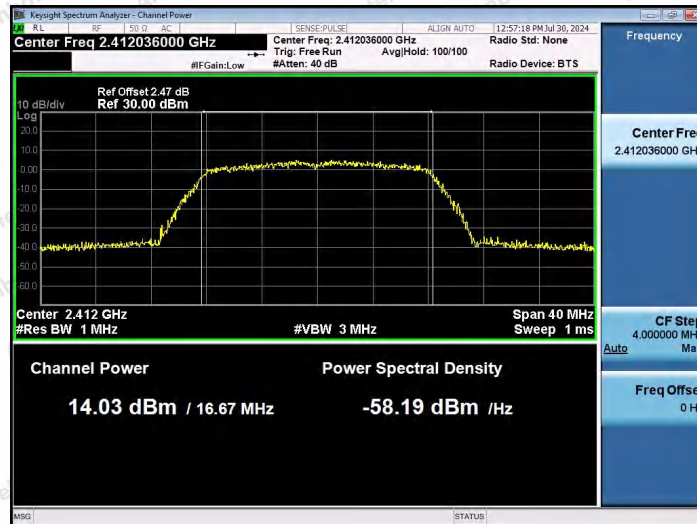


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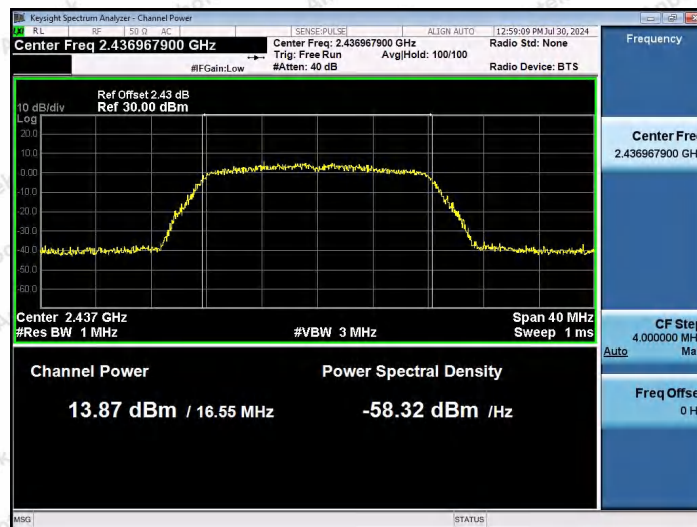
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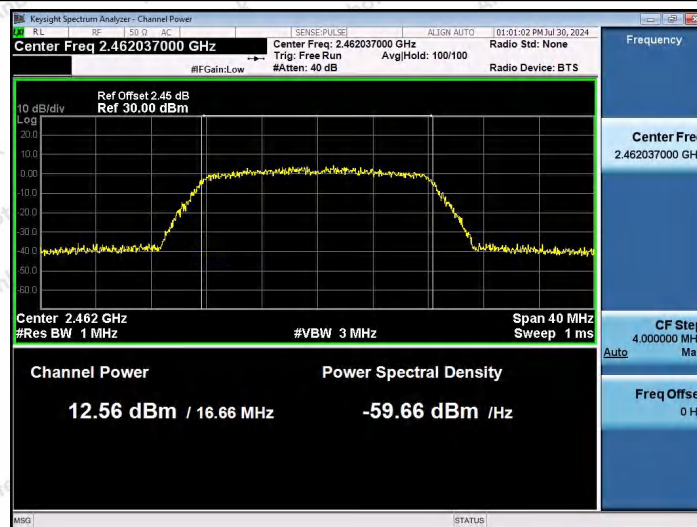




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

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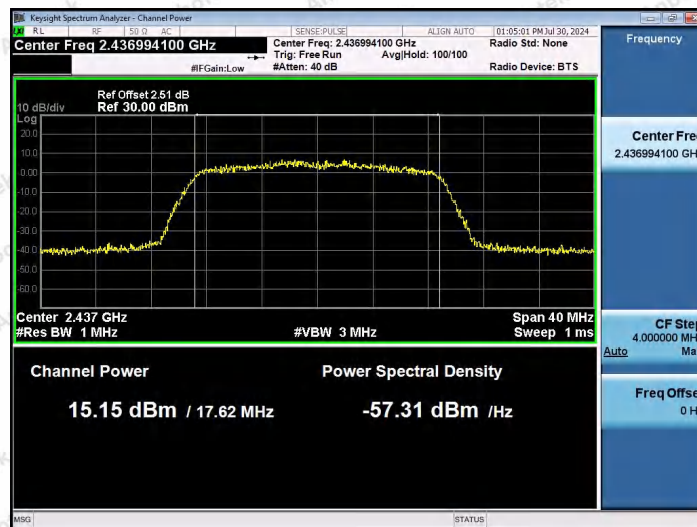
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11N20SISO-Ant1-2412-PASS



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	-7.67	-17.67	≤8.00	PASS
11B	Ant1	2437	-9.02	-19.02	≤8.00	PASS
11B	Ant1	2462	-10.75	-20.75	≤8.00	PASS
11G	Ant1	2412	-15.11	-25.11	≤8.00	PASS
11G	Ant1	2437	-14.95	-24.95	≤8.00	PASS
11G	Ant1	2462	-15.03	-25.03	≤8.00	PASS
11N20SISO	Ant1	2412	-13.30	-23.30	≤8.00	PASS
11N20SISO	Ant1	2437	-13.86	-23.86	≤8.00	PASS
11N20SISO	Ant1	2462	-15.78	-25.78	≤8.00	PASS

Note:

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



Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



11B-Ant1-2462-PASS

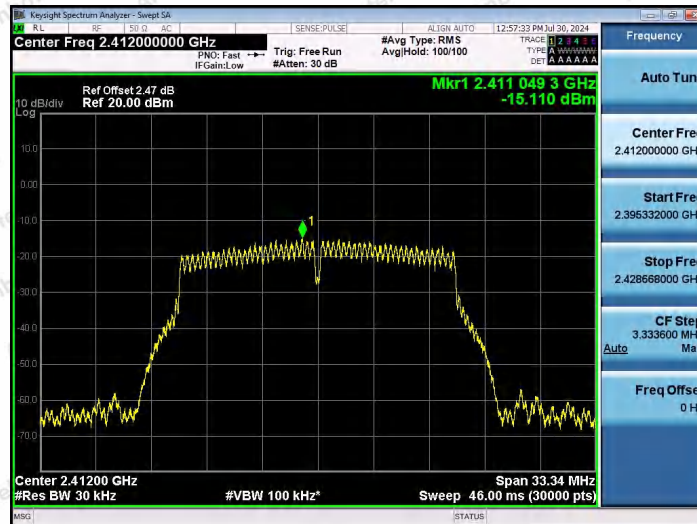
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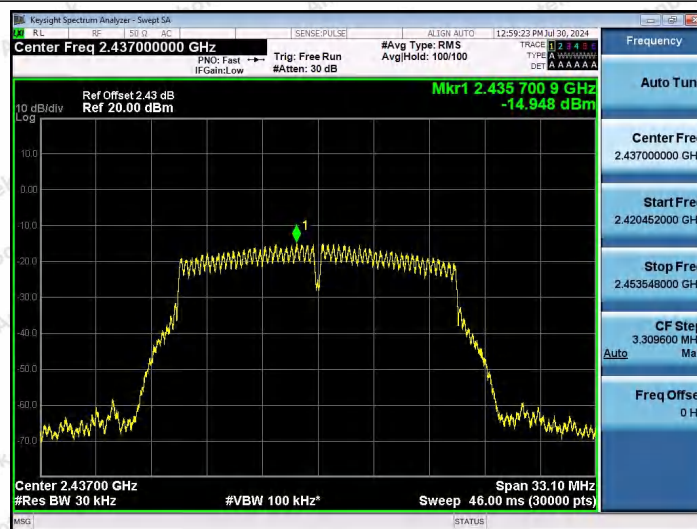


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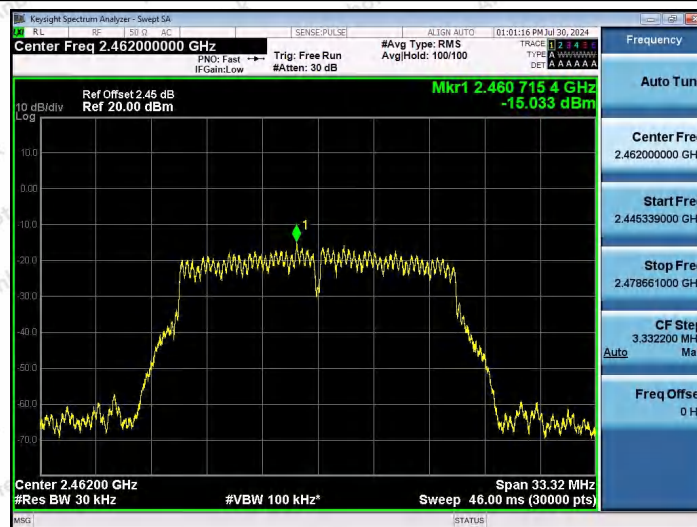




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

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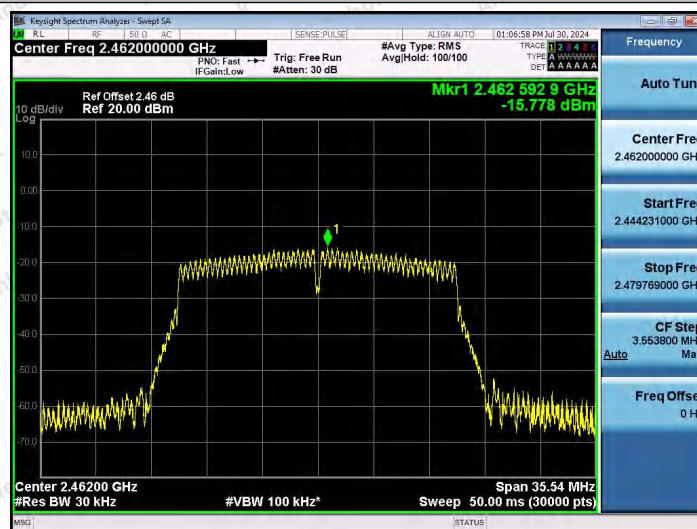




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

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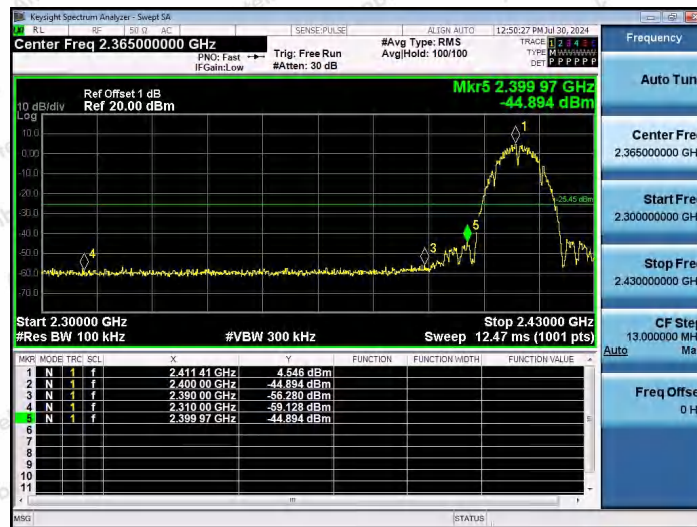
Appendix E: Conducted Band edge

Test Result

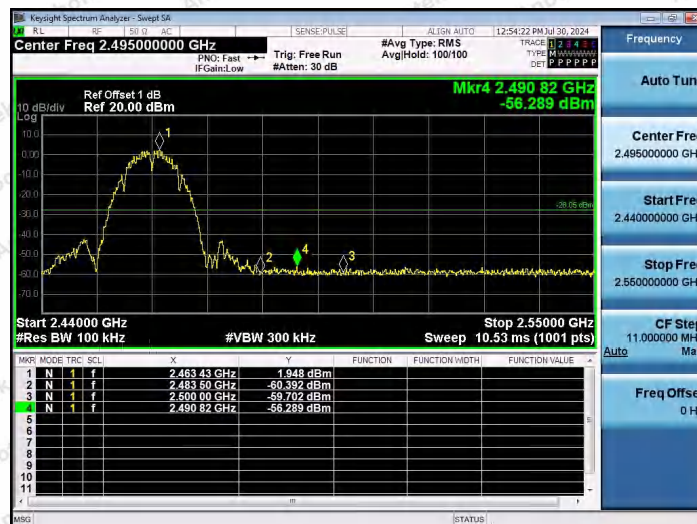
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.55	-44.89	≤-25.45	PASS
11B	Ant1	High	2462	1.95	-56.29	≤-28.05	PASS
11G	Ant1	Low	2412	-3.18	-46.29	≤-33.18	PASS
11G	Ant1	High	2462	-4.50	-56.07	≤-34.5	PASS
11N20SISO	Ant1	Low	2412	-1.82	-44.44	≤-31.82	PASS
11N20SISO	Ant1	High	2462	-3.29	-42.98	≤-33.29	PASS



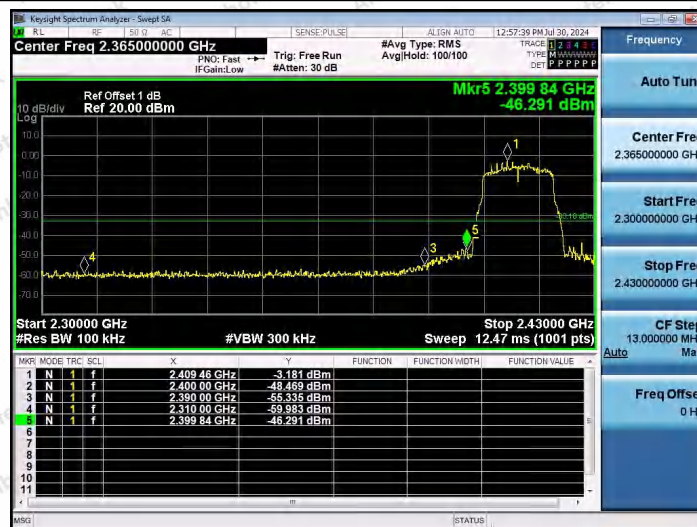
Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2462-PASS



11G-Ant1-2412-PASS

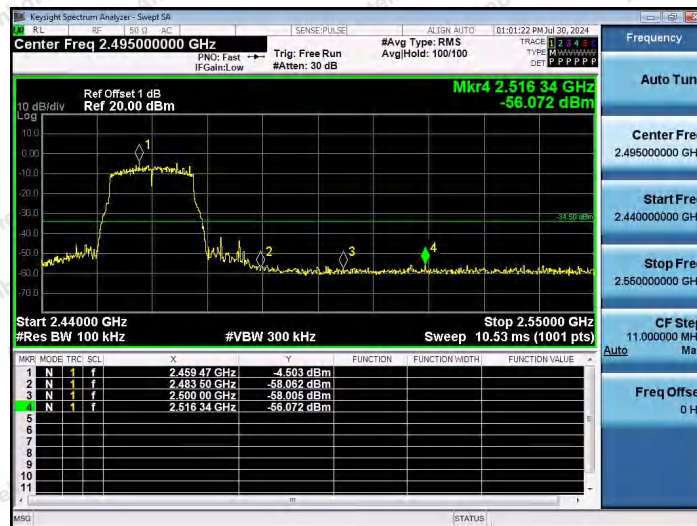
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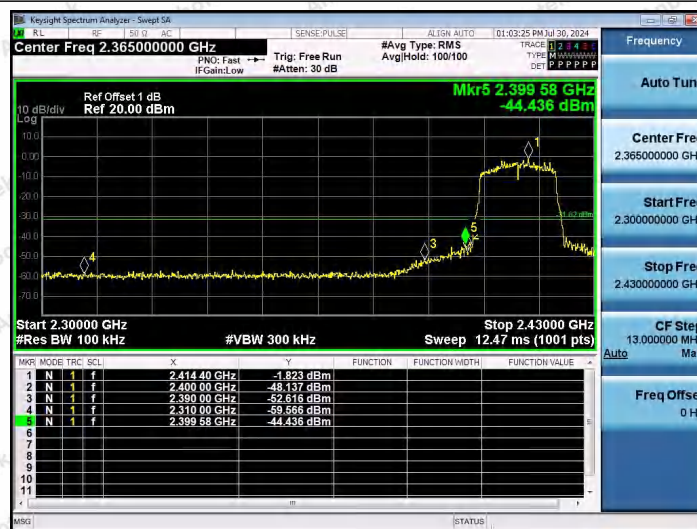


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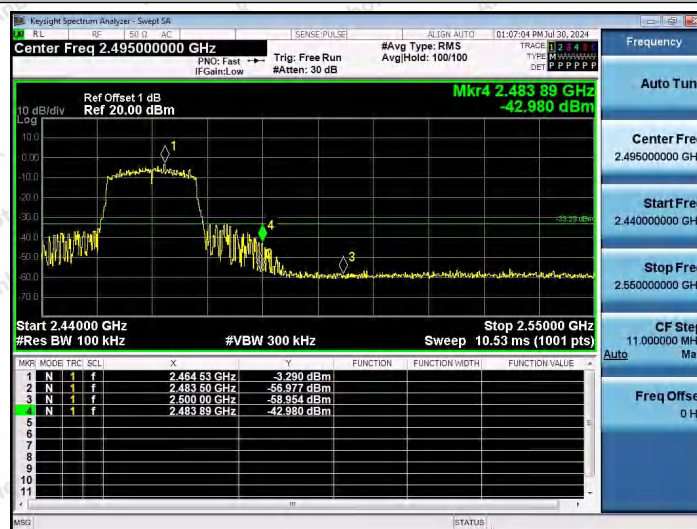




11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

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Appendix F: Conducted Spurious Emission

Test Result

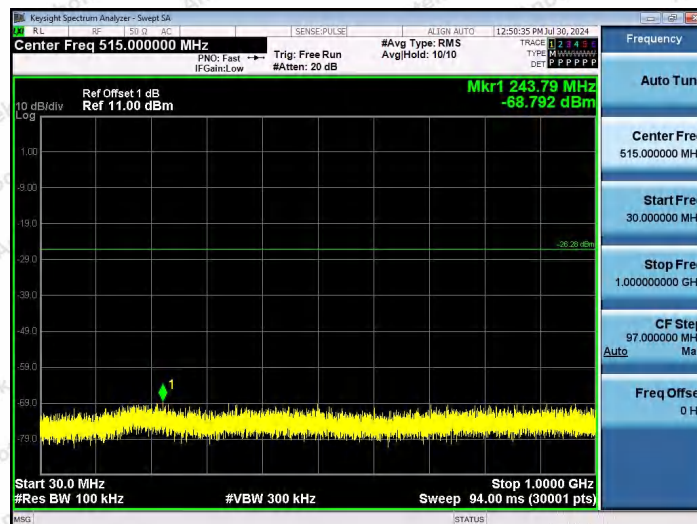
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	3.72	3.72	---	PASS
11B	Ant1	2412	30~1000	3.72	-68.79	≤-26.28	PASS
11B	Ant1	2412	1000~26500	3.72	-47.75	≤-26.28	PASS
11B	Ant1	2437	0~Reference	3.01	3.01	---	PASS
11B	Ant1	2437	30~1000	3.01	-68.09	≤-26.99	PASS
11B	Ant1	2437	1000~26500	3.01	-49.48	≤-26.99	PASS
11B	Ant1	2462	0~Reference	0.29	0.29	---	PASS
11B	Ant1	2462	30~1000	0.29	-67.75	≤-29.71	PASS
11B	Ant1	2462	1000~26500	0.29	-46.62	≤-29.71	PASS
11G	Ant1	2412	0~Reference	-4.71	-4.71	---	PASS
11G	Ant1	2412	30~1000	-4.71	-68.16	≤-34.71	PASS
11G	Ant1	2412	1000~26500	-4.71	-52.52	≤-34.71	PASS
11G	Ant1	2437	0~Reference	-4.86	-4.86	---	PASS
11G	Ant1	2437	30~1000	-4.86	-67.7	≤-34.86	PASS
11G	Ant1	2437	1000~26500	-4.86	-53.44	≤-34.86	PASS
11G	Ant1	2462	0~Reference	-6.75	-6.75	---	PASS
11G	Ant1	2462	30~1000	-6.75	-68.26	≤-36.75	PASS
11G	Ant1	2462	1000~26500	-6.75	-53.29	≤-36.75	PASS
11N20SISO	Ant1	2412	0~Reference	-3.69	-3.69	---	PASS
11N20SISO	Ant1	2412	30~1000	-3.69	-68.06	≤-33.69	PASS
11N20SISO	Ant1	2412	1000~26500	-3.69	-53.81	≤-33.69	PASS
11N20SISO	Ant1	2437	0~Reference	-3.49	-3.49	---	PASS
11N20SISO	Ant1	2437	30~1000	-3.49	-68.44	≤-33.49	PASS
11N20SISO	Ant1	2437	1000~26500	-3.49	-53.42	≤-33.49	PASS
11N20SISO	Ant1	2462	0~Reference	-5.54	-5.54	---	PASS
11N20SISO	Ant1	2462	30~1000	-5.54	-67.9	≤-35.54	PASS
11N20SISO	Ant1	2462	1000~26500	-5.54	-53.59	≤-35.54	PASS



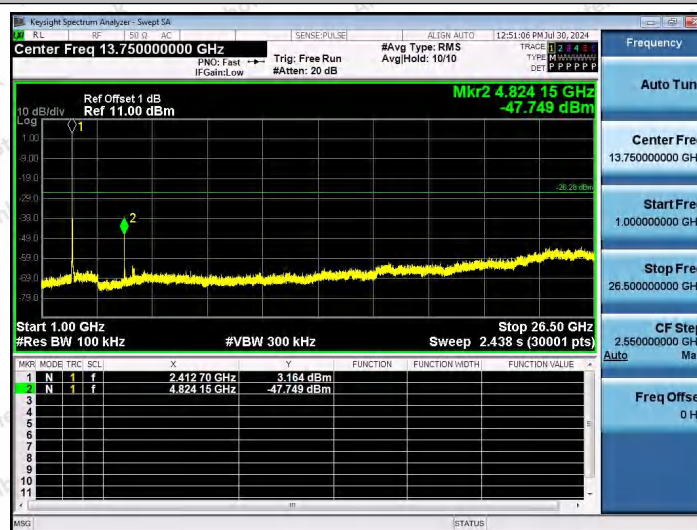
Test Graphs



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



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



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

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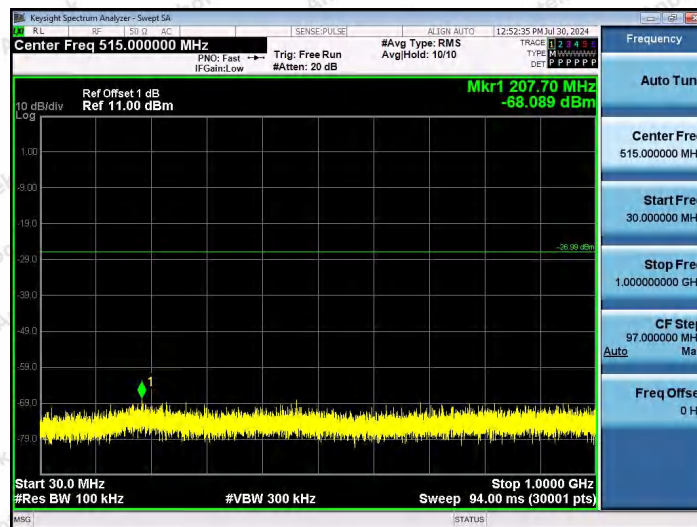


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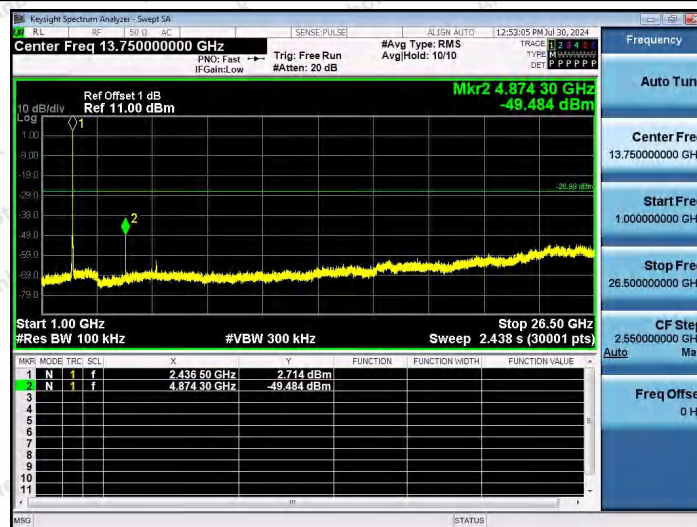




11B-Ant1-2437-0~Reference-PASS



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



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

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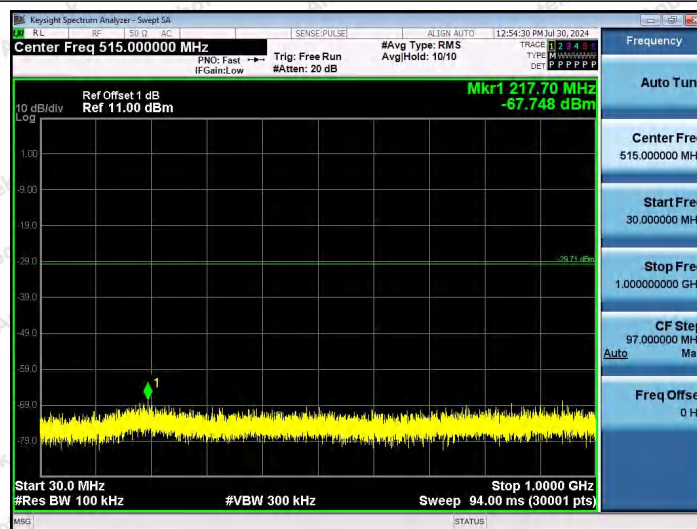


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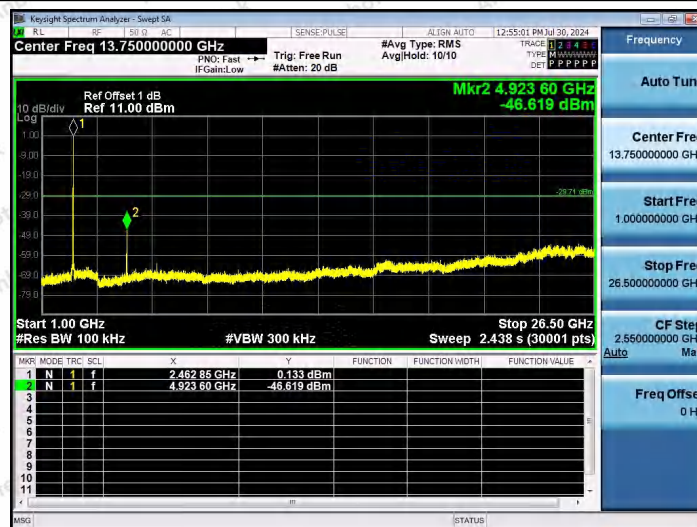




11B-Ant1-2462-0~Reference-PASS



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



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

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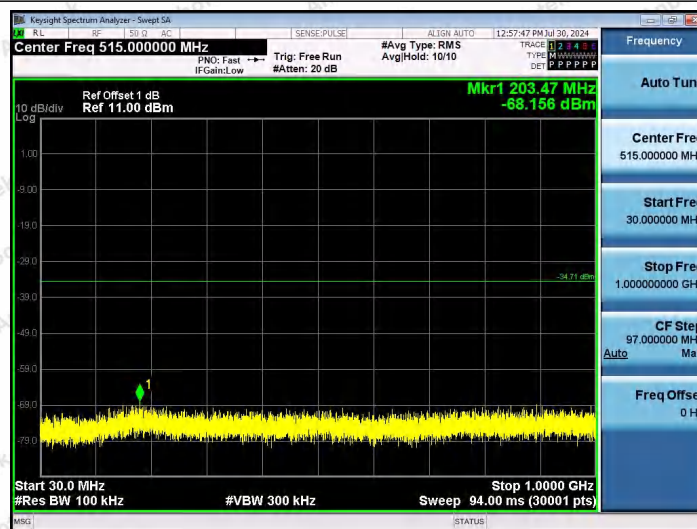


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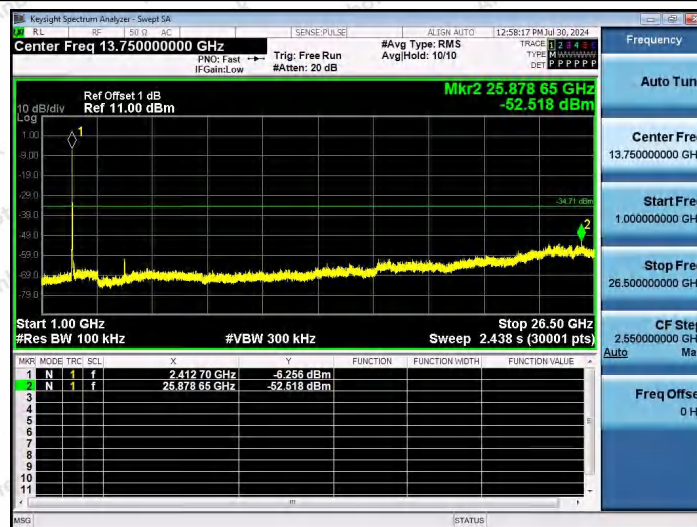




11G-Ant1-2412-0~Reference-PASS



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



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

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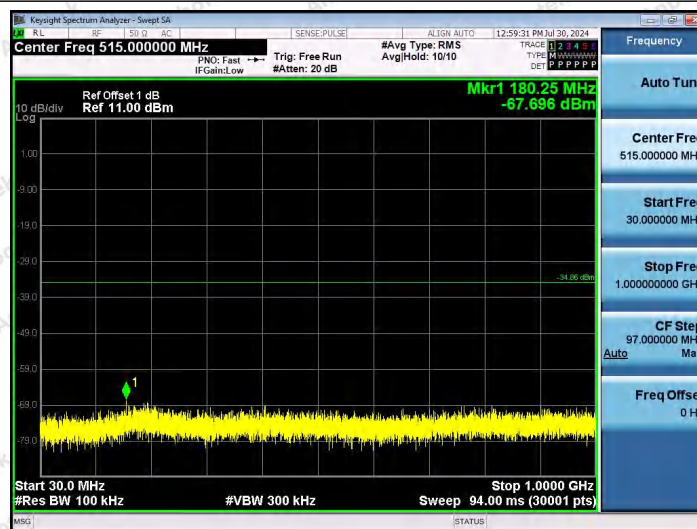


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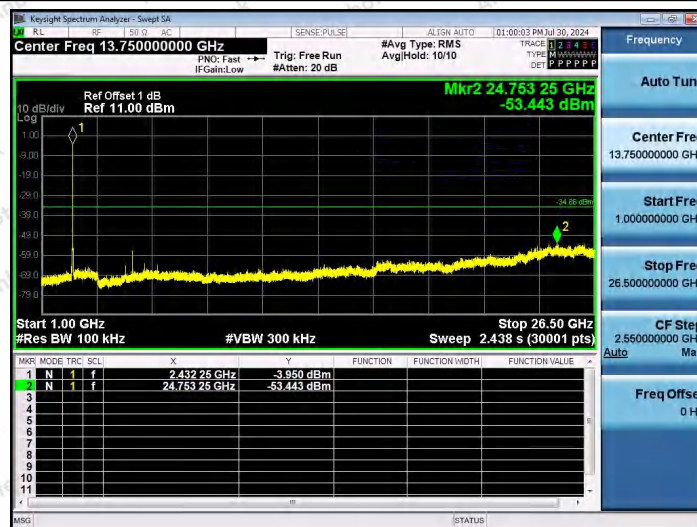




11G-Ant1-2437-0~Reference-PASS



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



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

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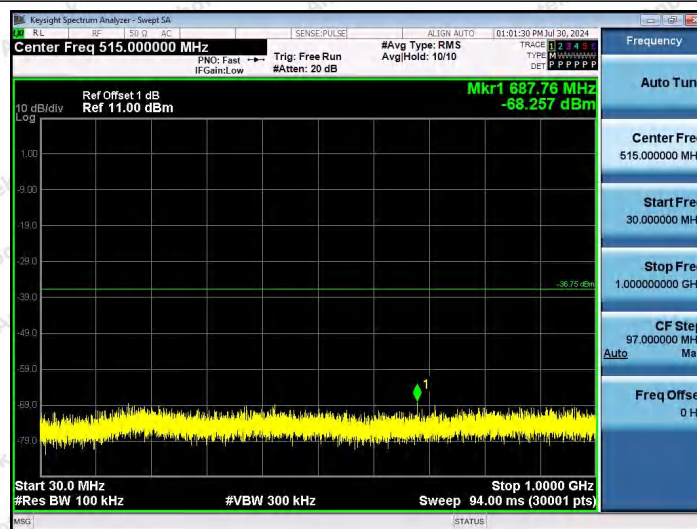


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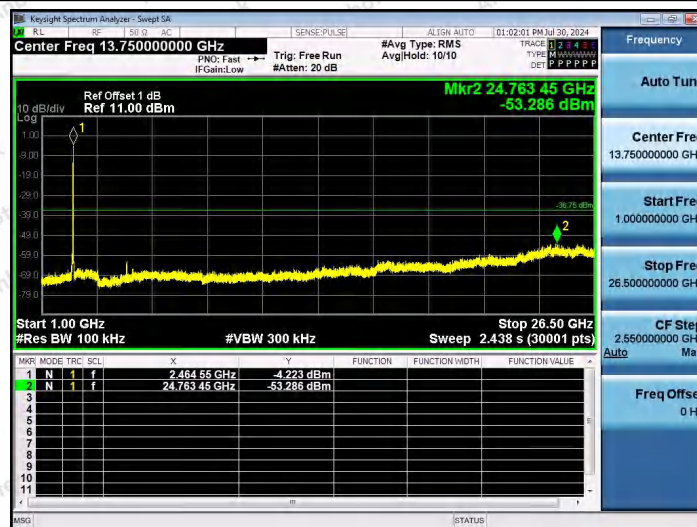




11G-Ant1-2462-0~Reference-PASS



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



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

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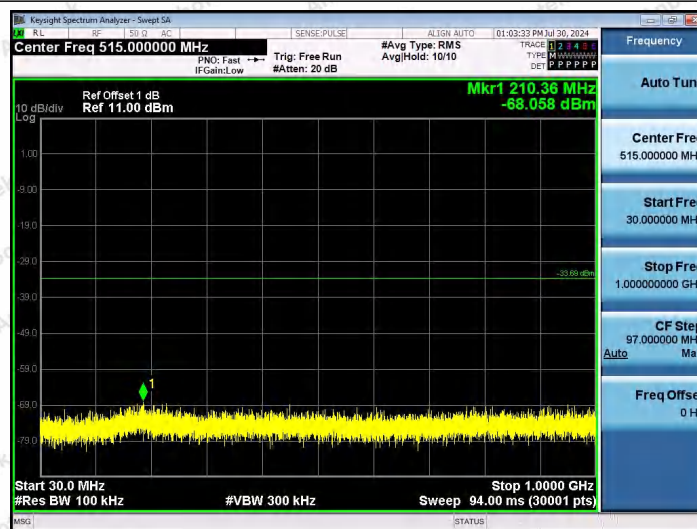


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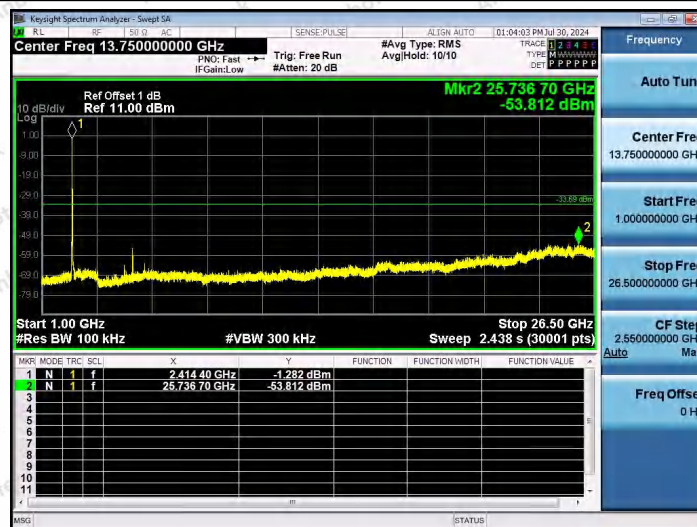




11N20SISO-Ant1-2412-0~Reference-PASS



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



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

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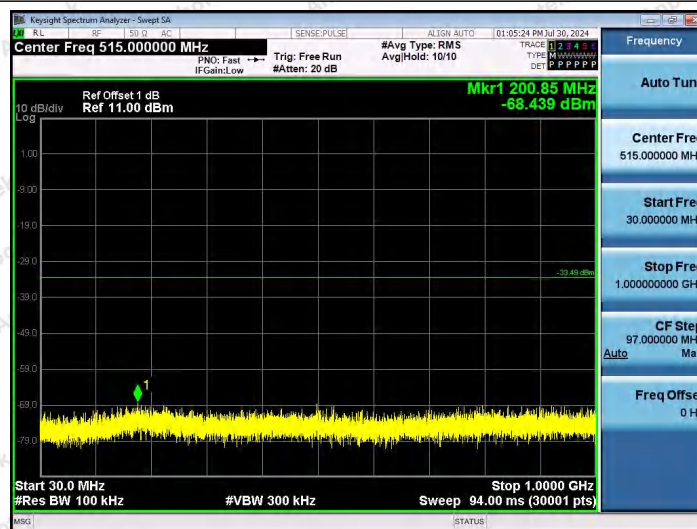


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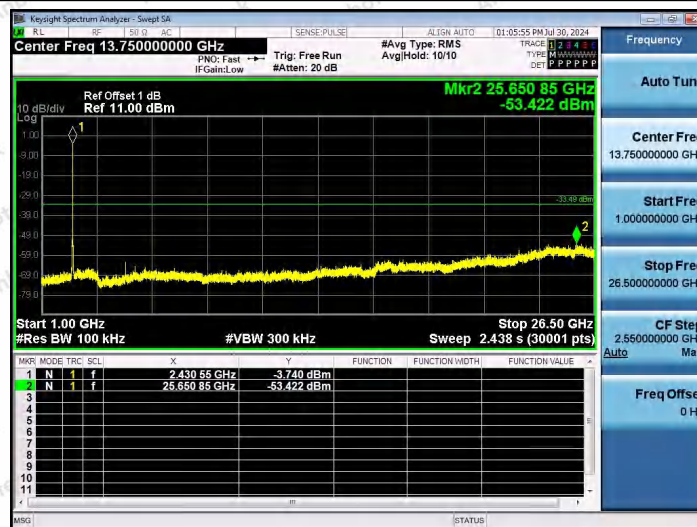




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11N20SISO-Ant1-2437-30~1000-PASS



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

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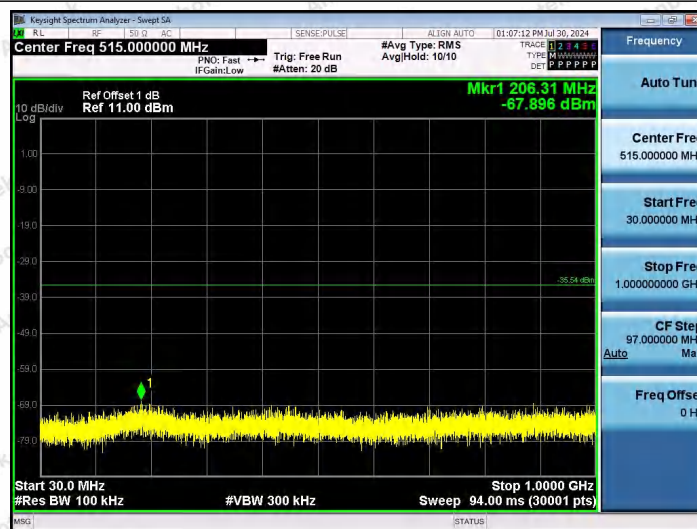


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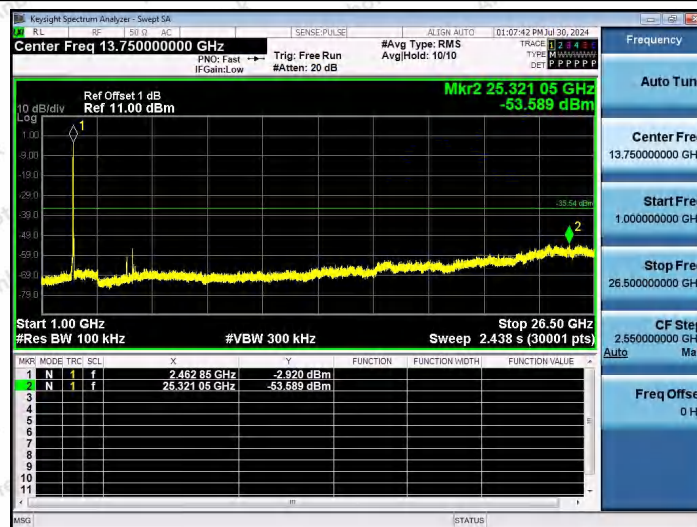




11N20SISO-Ant1-2462-0~Reference-PASS



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



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

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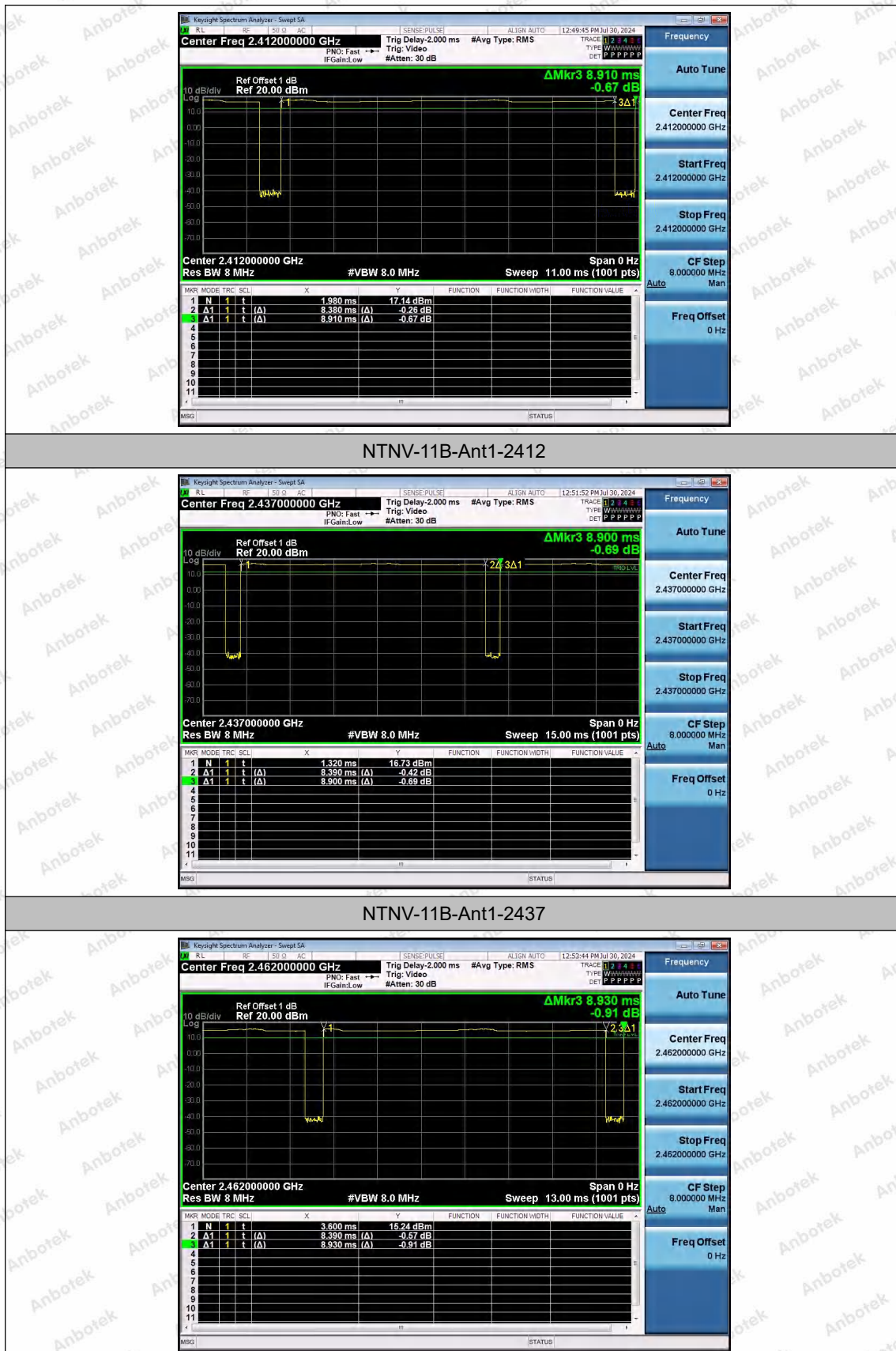
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.38	8.91	94.05	0.27
11B	Ant1	2437	8.39	8.90	94.27	0.26
11B	Ant1	2462	8.39	8.93	93.95	0.27
11G	Ant1	2412	1.39	1.95	71.28	1.47
11G	Ant1	2437	1.39	1.93	72.02	1.43
11G	Ant1	2462	1.39	1.94	71.65	1.45
11N20SISO	Ant1	2412	1.30	1.84	70.65	1.51
11N20SISO	Ant1	2437	1.30	1.84	70.65	1.51
11N20SISO	Ant1	2462	1.30	1.82	71.43	1.46



Test Graphs



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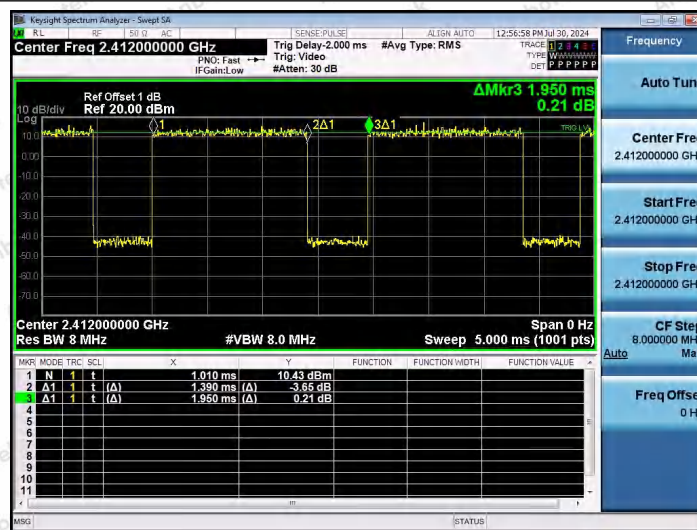
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



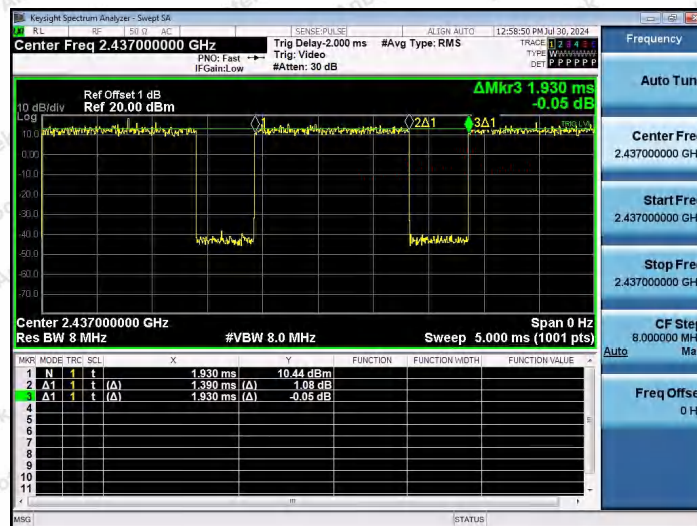
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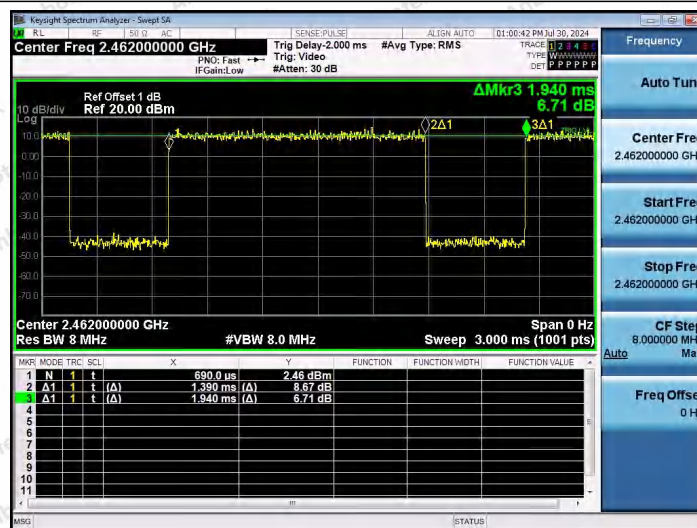
NTNV-11B-Ant1-2462



NTNV-11G-Ant1-2412



NTNV-11G-Ant1-2437



NTNV-11G-Ant1-2462

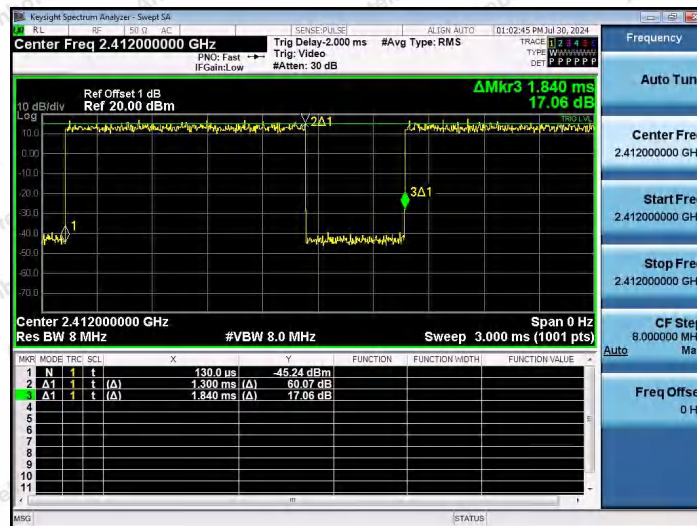
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 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

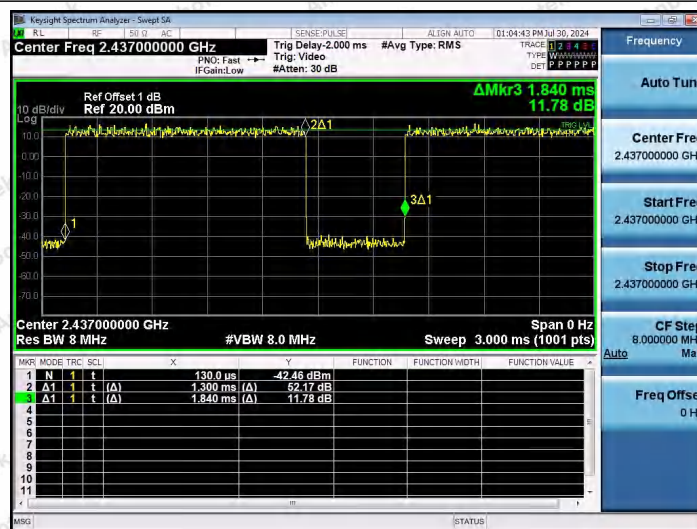


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NTNV-11N20SISO-Ant1-2412



NTNV-11N20SISO-Ant1-2437



NTNV-11N20SISO-Ant1-2462

---End---

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