

Appendix Test Data

Report No.:	1821C40005112502	Test Sample No.:	1-2-2
Start Test Date:	2024.08.29	Finish Test Date:	2024.08.29
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	24.6℃	Relative Humidity:	49%
Pressure:	101kPa		

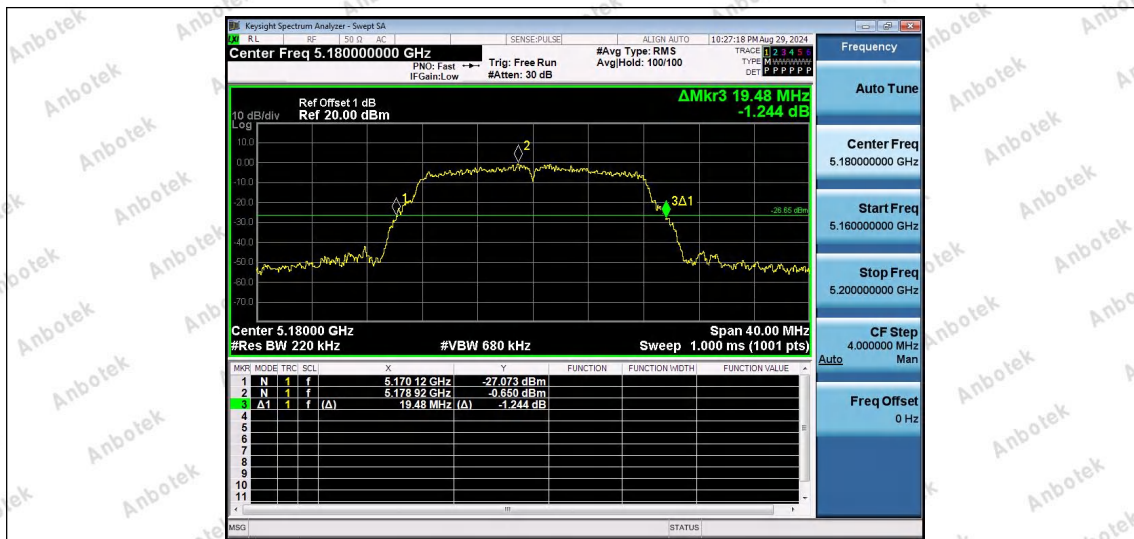
Appendix A1: 26dB Bandwidth

Test Result

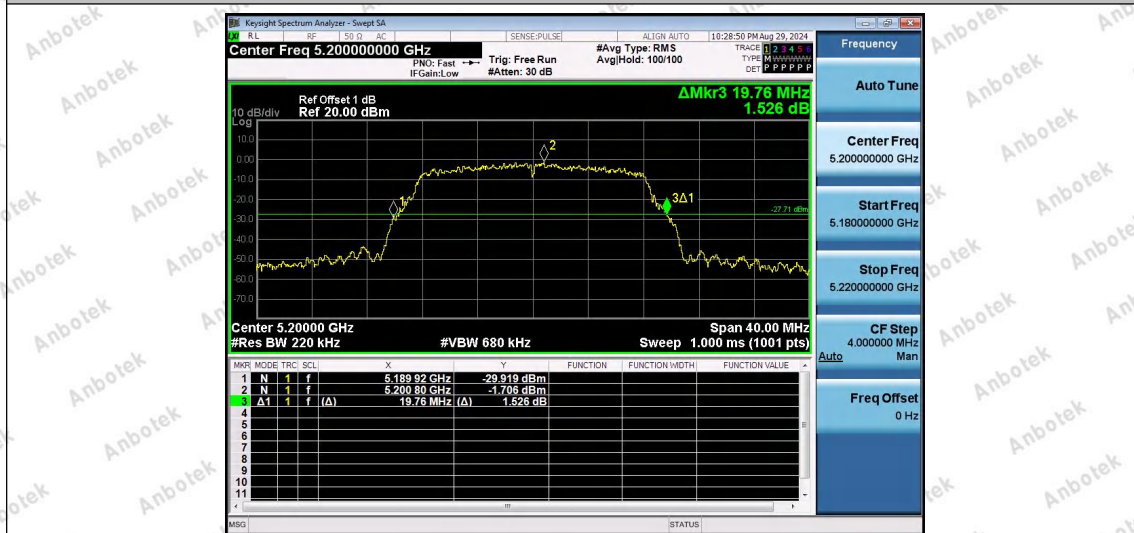
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.480	5170.120	5189.600	---	---
11A	Ant1	5200	19.760	5189.920	5209.680	---	---
11A	Ant1	5240	19.480	5230.040	5249.520	---	---
11N20SISO	Ant1	5180	19.680	5170.080	5189.760	---	---
11N20SISO	Ant1	5200	19.960	5190.000	5209.960	---	---
11N20SISO	Ant1	5240	19.720	5230.120	5249.840	---	---
11N40SISO	Ant1	5190	40.000	5170.000	5210.000	---	---
11N40SISO	Ant1	5230	40.320	5209.840	5250.160	---	---



Test Graphs



11A-Ant1-5180



11A-Ant1-5200



11A-Ant1-5240

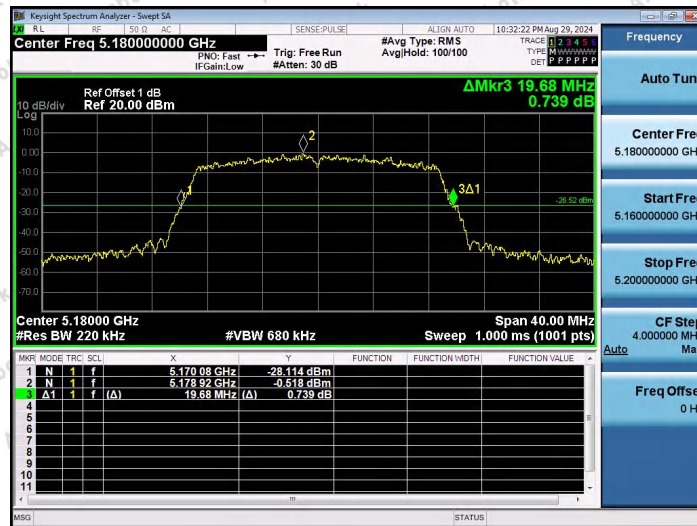
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11N20SISO-Ant1-5180



11N20SISO-Ant1-5200



11N20SISO-Ant1-5240

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11N40SISO-Ant1-5190



11N40SISO-Ant1-5230



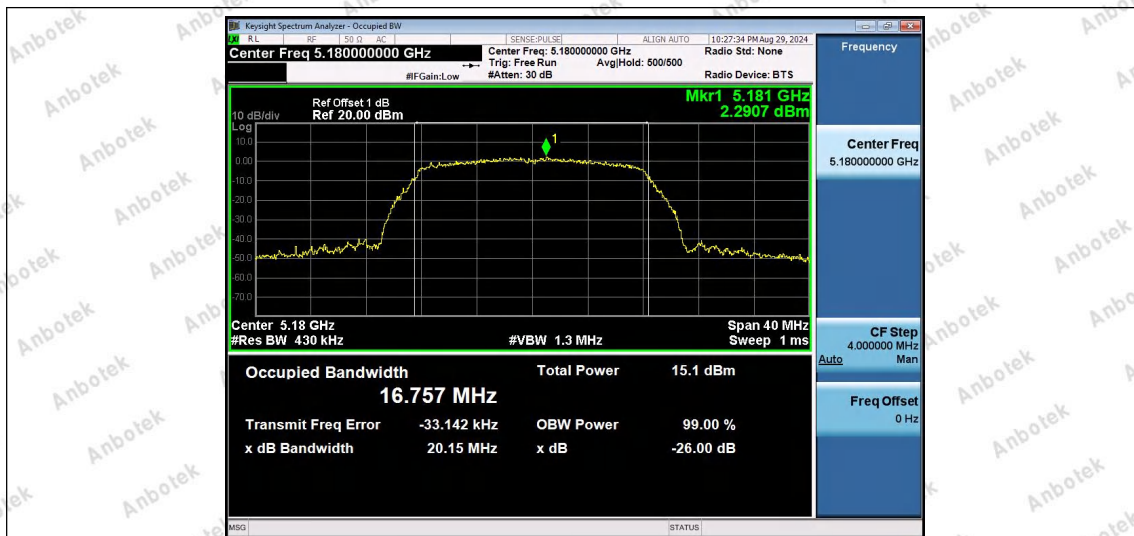
Appendix A2: 99% Occupied Bandwidth

Test Result

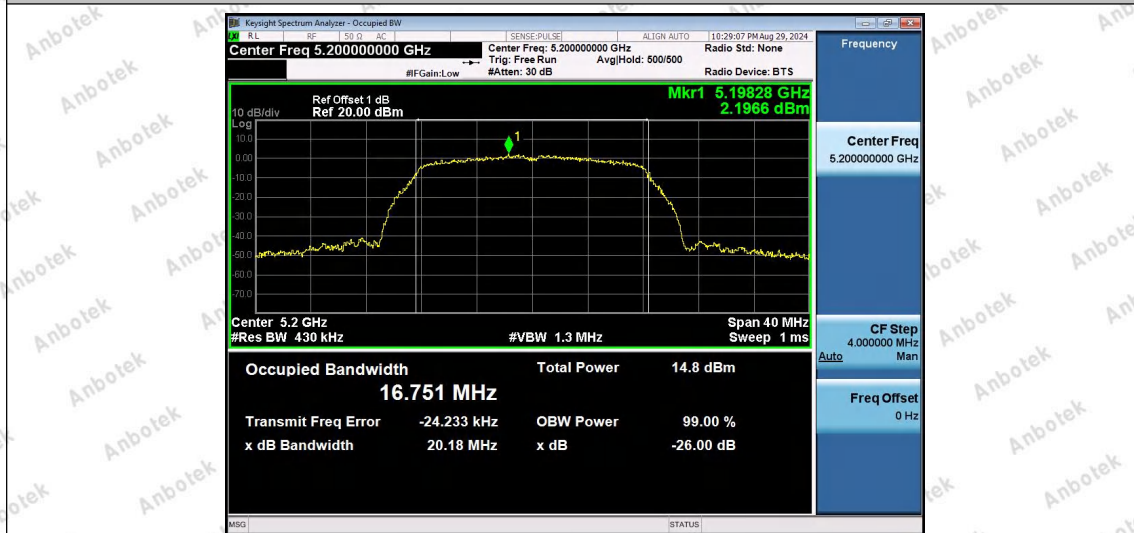
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.757	5171.5884	5188.3454	---	---
11A	Ant1	5200	16.751	5191.6003	5208.3513	---	---
11A	Ant1	5240	16.733	5231.6004	5248.3334	---	---
11N20SISO	Ant1	5180	17.742	5171.0845	5188.8265	---	---
11N20SISO	Ant1	5200	17.720	5191.1141	5208.8341	---	---
11N20SISO	Ant1	5240	17.697	5231.1077	5248.8047	---	---
11N40SISO	Ant1	5190	36.073	5171.9605	5208.0335	---	---
11N40SISO	Ant1	5230	36.107	5211.9343	5248.0413	---	---



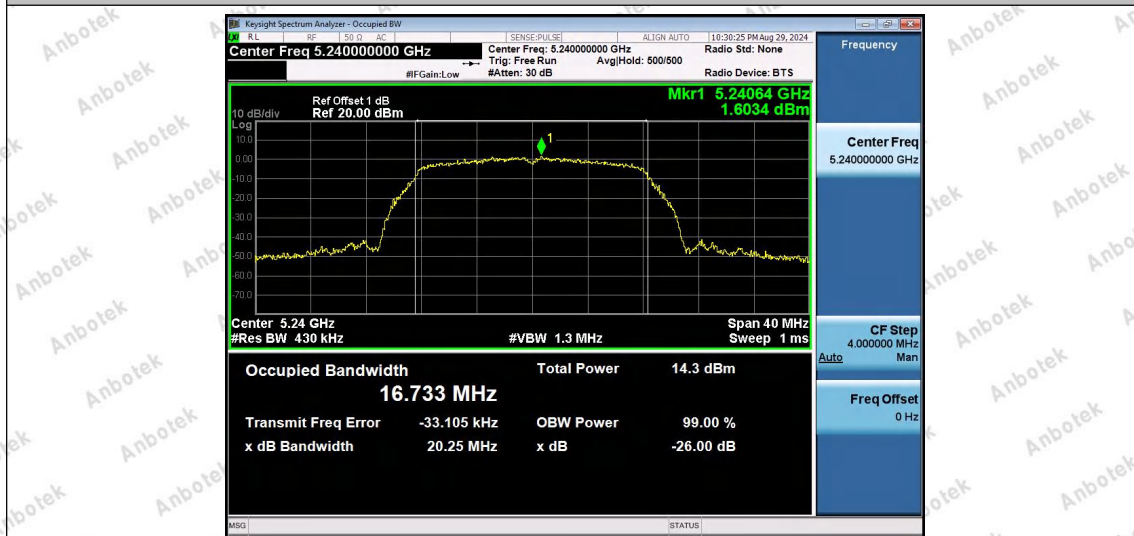
Test Graphs



11A-Ant1-5180



11A-Ant1-5200



11A-Ant1-5240

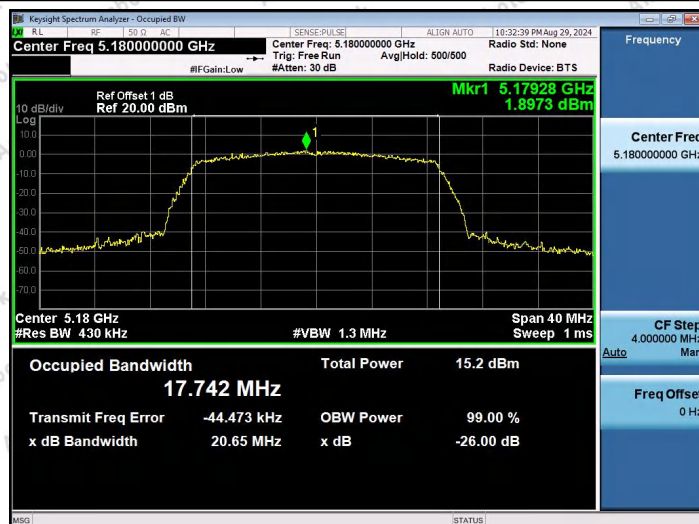
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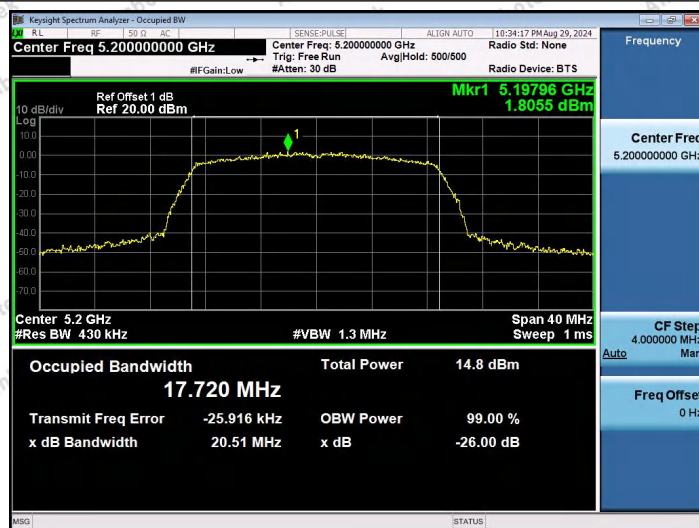


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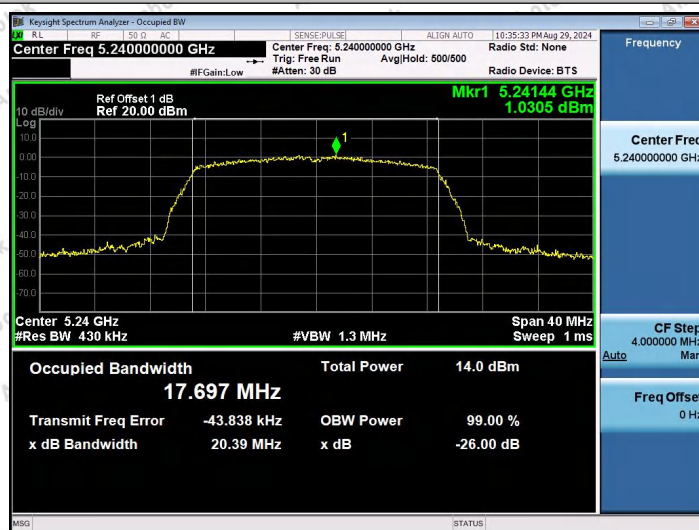




11N20SISO-Ant1-5180



11N20SISO-Ant1-5200



11N20SISO-Ant1-5240

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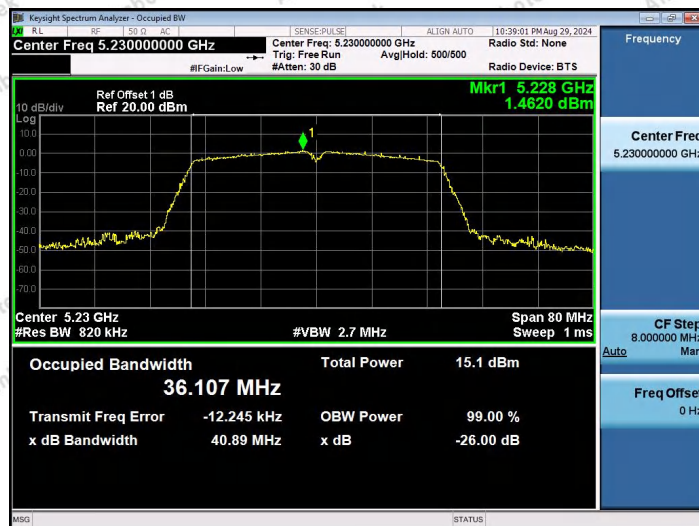


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11N40SISO-Ant1-5190



11N40SISO-Ant1-5230



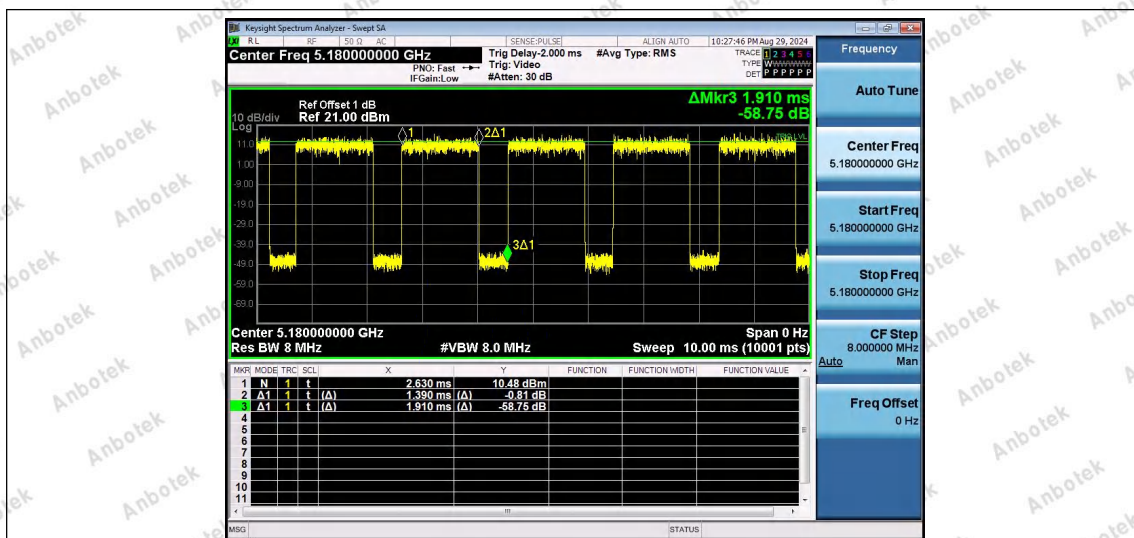
Appendix B: Duty Cycle

Test Result

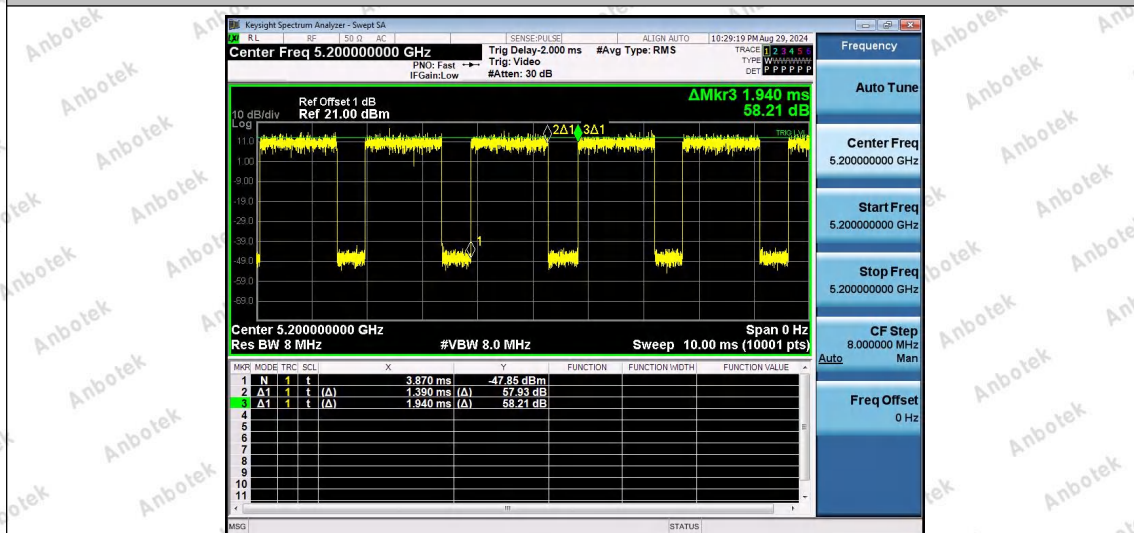
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Dc Factor [%]	1/T
11A	Ant1	5180	1.39	1.91	72.77	1.38	0.72
11A	Ant1	5200	1.39	1.94	71.65	1.45	0.72
11A	Ant1	5240	1.40	1.95	71.79	1.44	0.71
11N20SISO	Ant1	5180	1.30	1.83	71.04	1.48	0.77
11N20SISO	Ant1	5200	1.30	1.82	71.43	1.46	0.77
11N20SISO	Ant1	5240	1.30	1.84	70.65	1.51	0.77
11N40SISO	Ant1	5190	0.64	1.20	53.33	2.73	1.56
11N40SISO	Ant1	5230	0.65	1.19	54.62	2.63	1.54



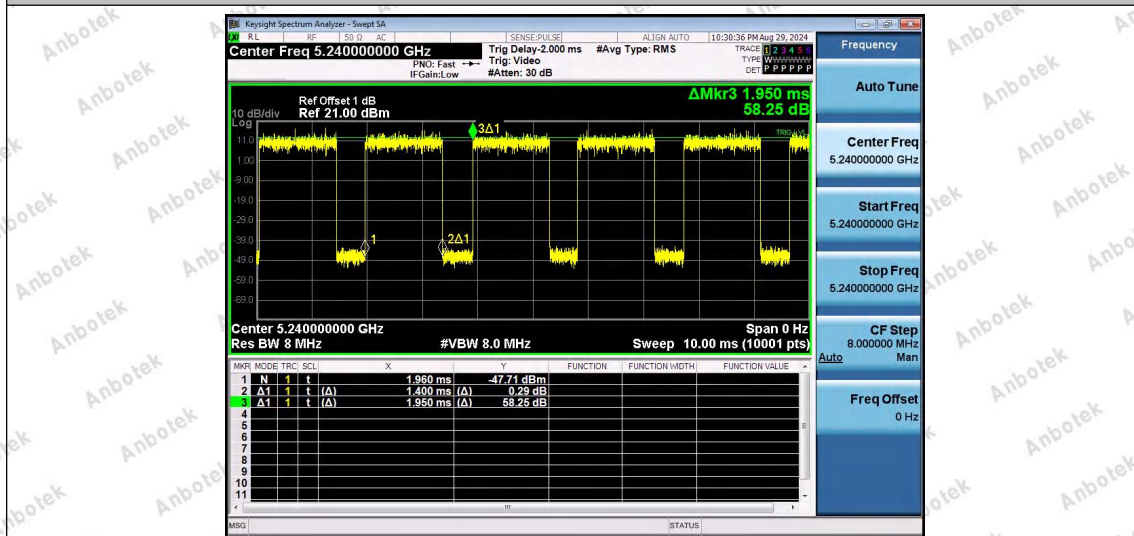
Test Graphs



NTNV-11A-Ant1-5180



NTNV-11A-Ant1-5200



NTNV-11A-Ant1-5240

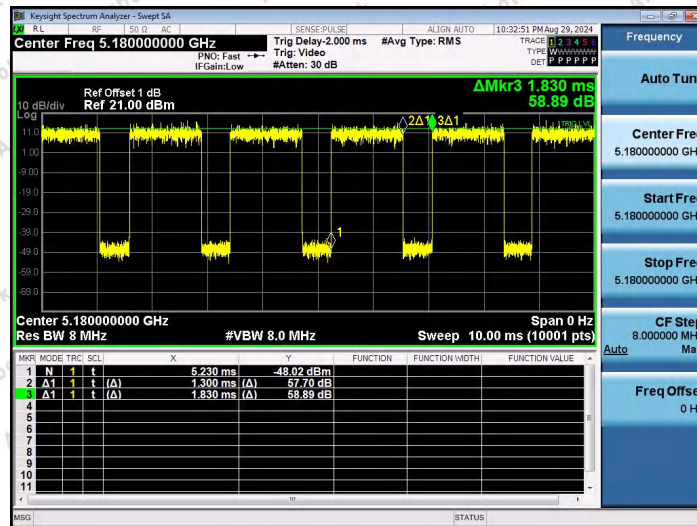
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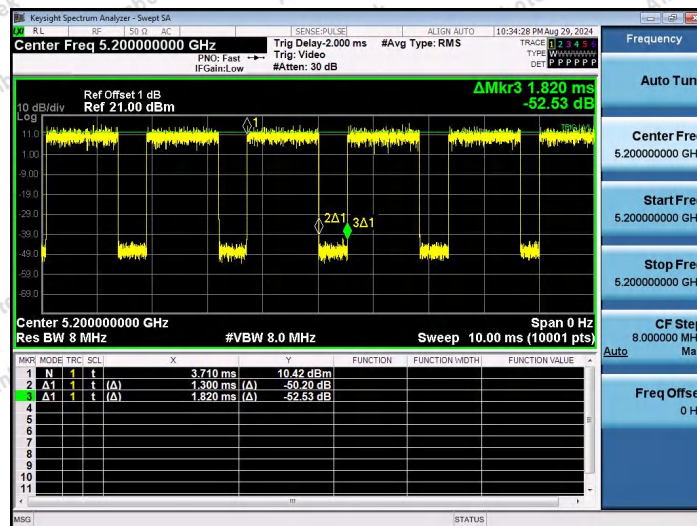


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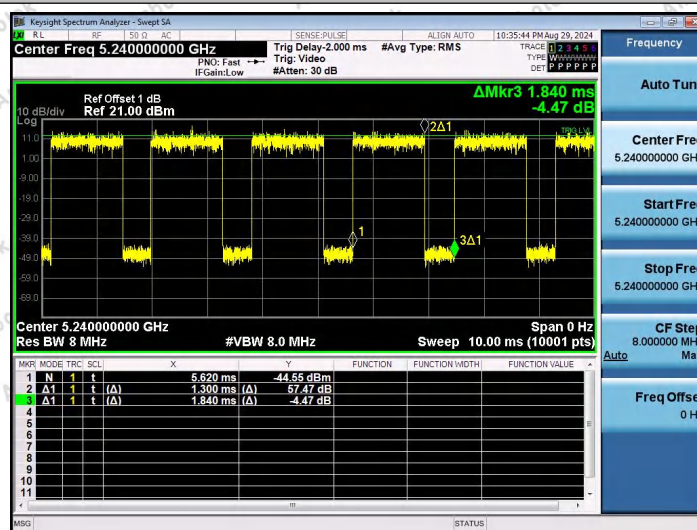




NTVN-11N20SISO-Ant1-5180



NTVN-11N20SISO-Ant1-5200



NTVN-11N20SISO-Ant1-5240

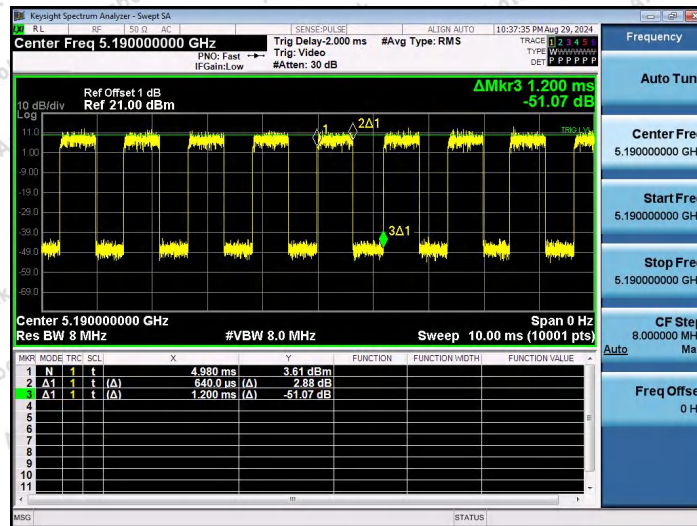
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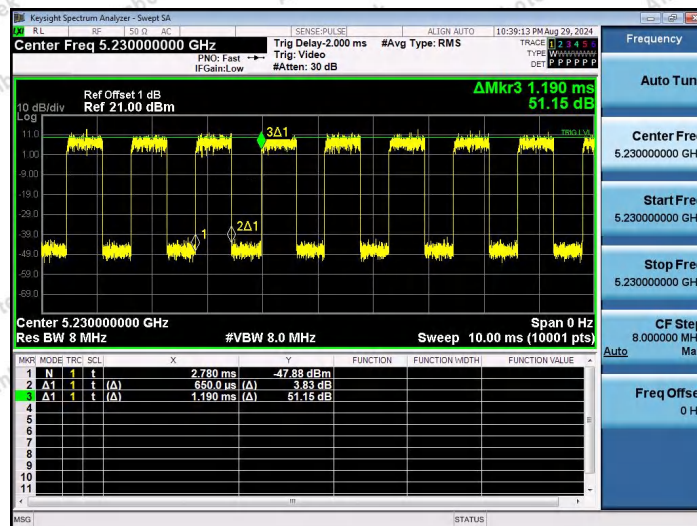


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NTNV-11N40SISO-Ant1-5190



NTNV-11N40SISO-Ant1-5230



Appendix C: Maximum Conducted Output Power

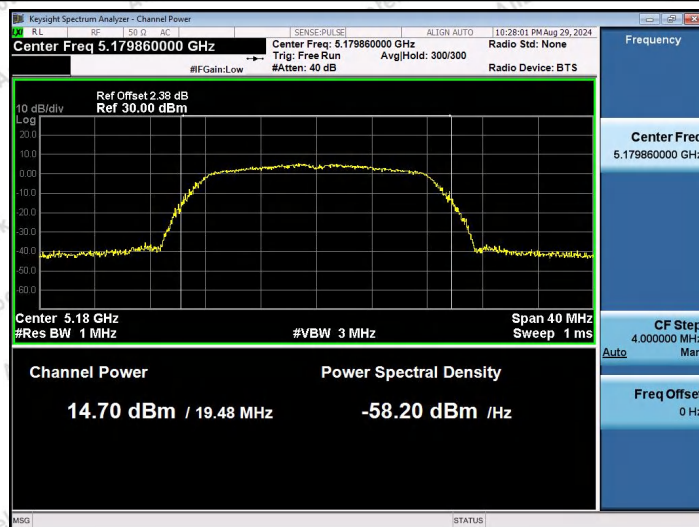
Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	13.32	72.77	1.38	14.70	≤23.98	PASS
11A	Ant1	5200	13.01	71.65	1.45	14.46	≤23.98	PASS
11A	Ant1	5240	12.45	71.79	1.44	13.89	≤23.98	PASS
11N20SISO	Ant1	5180	13.25	71.04	1.48	14.73	≤23.98	PASS
11N20SISO	Ant1	5200	12.91	71.43	1.46	14.37	≤23.98	PASS
11N20SISO	Ant1	5240	12.18	70.65	1.51	13.69	≤23.98	PASS
11N40SISO	Ant1	5190	13.14	53.33	2.73	15.87	≤23.98	PASS
11N40SISO	Ant1	5230	12.67	54.62	2.63	15.30	≤23.98	PASS

Note: 1.The Duty Cycle Factor and cable loss are compensated in the graph.



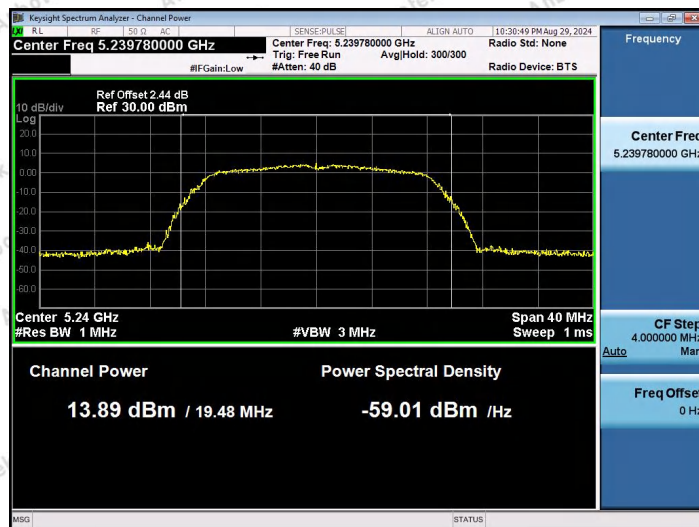
Test Graphs Channel Power



11A-Ant1-5180-PASS



11A-Ant1-5200-PASS



11A-Ant1-5240-PASS

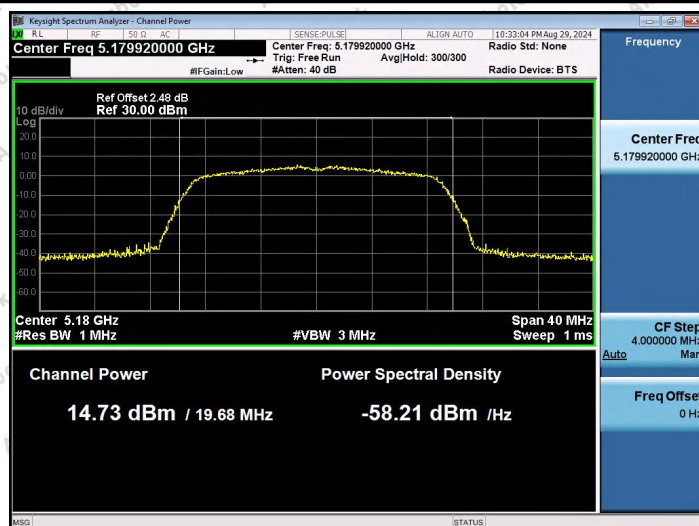
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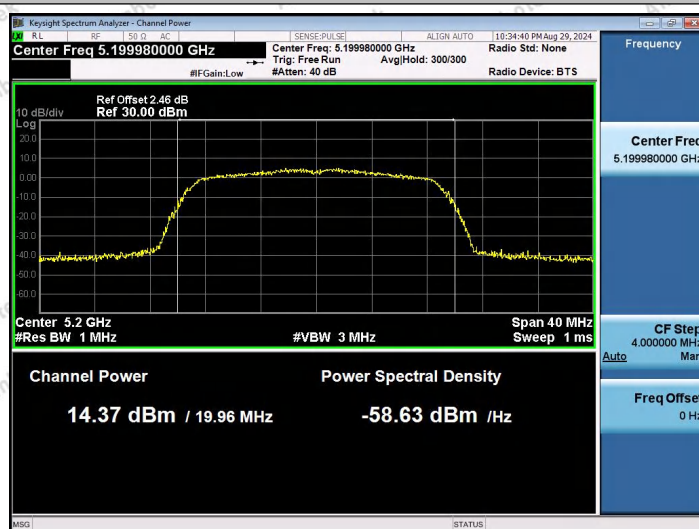


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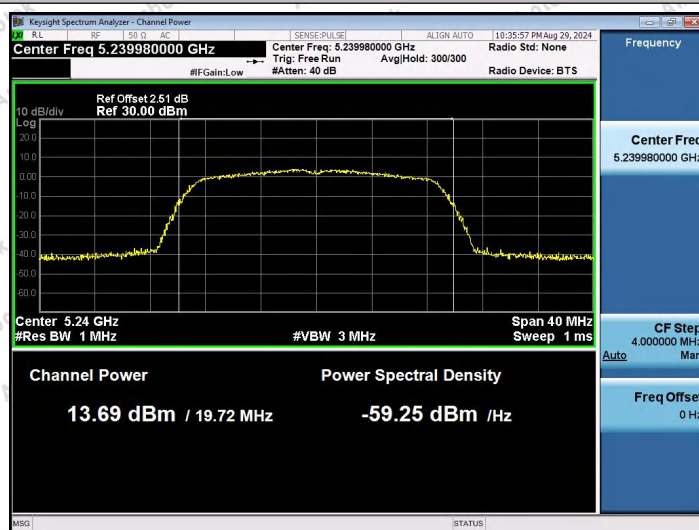




11N20SISO-Ant1-5180-PASS

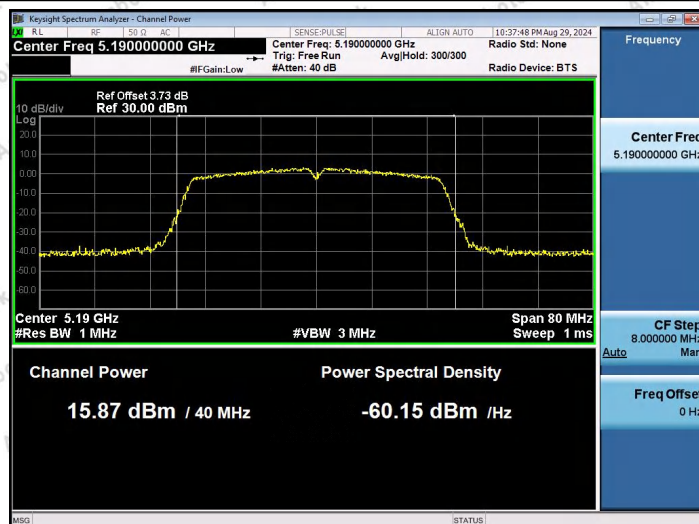


11N20SISO-Ant1-5200-PASS

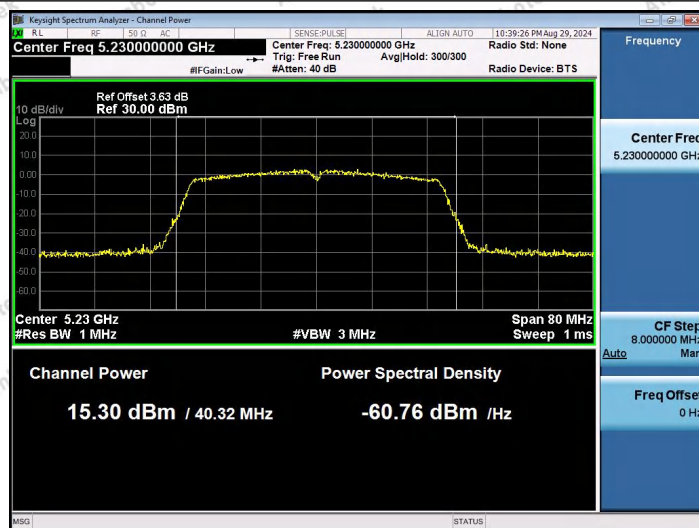


11N20SISO-Ant1-5240-PASS





11N40SISO-Ant1-5190-PASS



11N40SISO-Ant1-5230-PASS



Appendix D: Maximum Power Spectral Density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-1.04	≤11.00	PASS
11A	Ant1	5200	-1.30	≤11.00	PASS
11A	Ant1	5240	-1.99	≤11.00	PASS
11N20SISO	Ant1	5180	-1.00	≤11.00	PASS
11N20SISO	Ant1	5200	-1.34	≤11.00	PASS
11N20SISO	Ant1	5240	-2.13	≤11.00	PASS
11N40SISO	Ant1	5190	-4.25	≤11.00	PASS
11N40SISO	Ant1	5230	-4.87	≤11.00	PASS

Note: 1.The Duty Cycle Factor and cable loss are compensated in the graph.



Test Graphs



11A-Ant1-5180-PASS



11A-Ant1-5200-PASS



11A-Ant1-5240-PASS

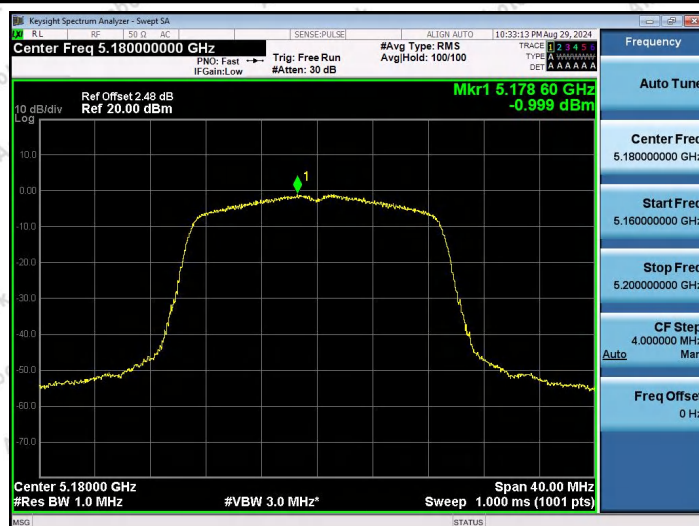
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11N20SISO-Ant1-5180-PASS

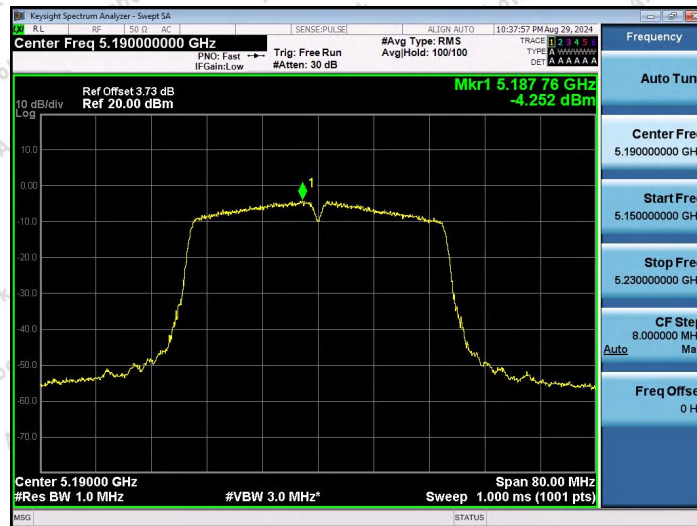


11N20SISO-Ant1-5200-PASS

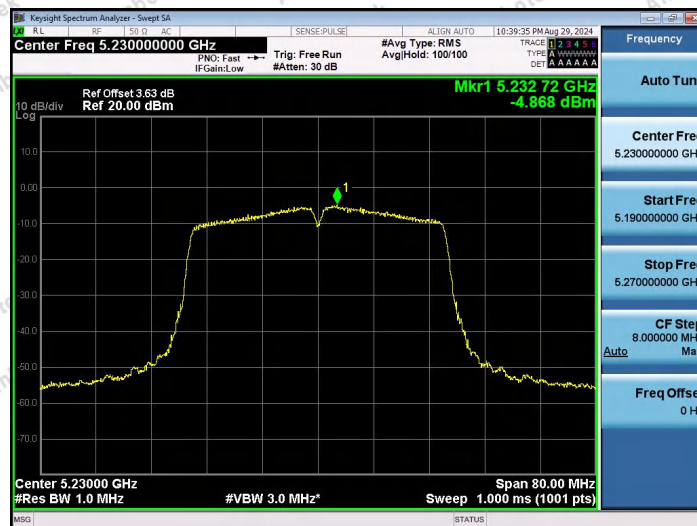


11N20SISO-Ant1-5240-PASS





11N40SISO-Ant1-5190-PASS



11N40SISO-Ant1-5230-PASS



Appendix E: Band edge measurements

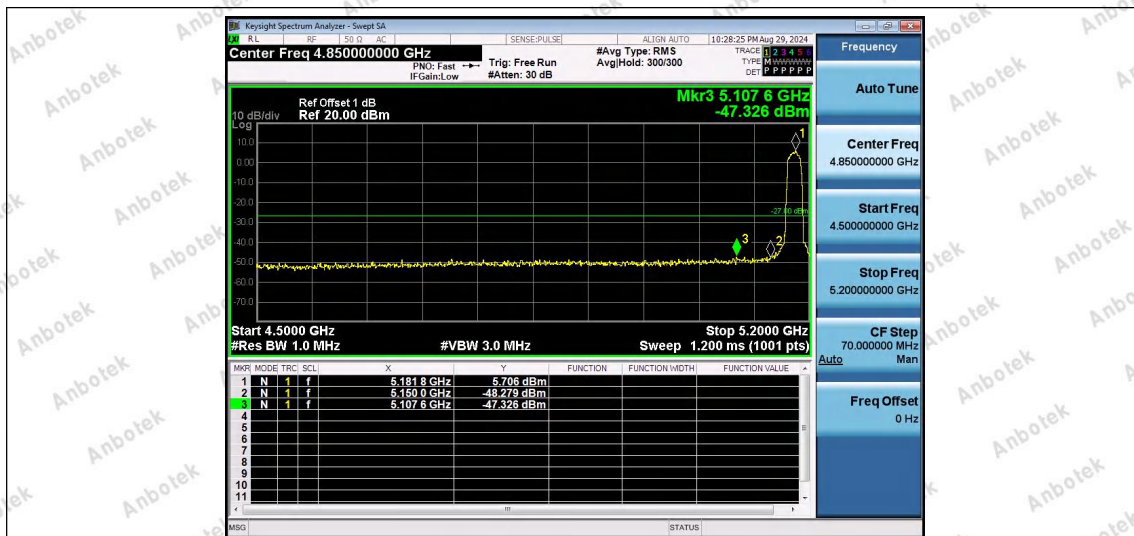
Test Result B1

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-47.33	≤-27	PASS
11A	Ant1	High	5240	-48.69	≤-27	PASS
11N20SISO	Ant1	Low	5180	-47.24	≤-27	PASS
11N20SISO	Ant1	High	5240	-48.54	≤-27	PASS
11N40SISO	Ant1	Low	5190	-46.84	≤-27	PASS
11N40SISO	Ant1	High	5230	-49.02	≤-27	PASS

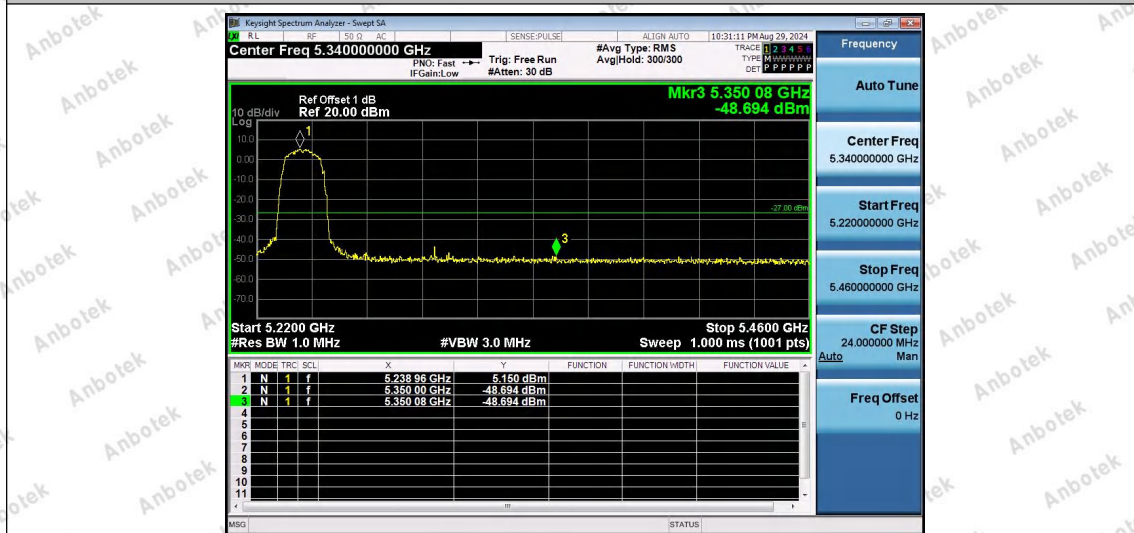
Note: The antenna gain and cable loss is compensated in the test data.



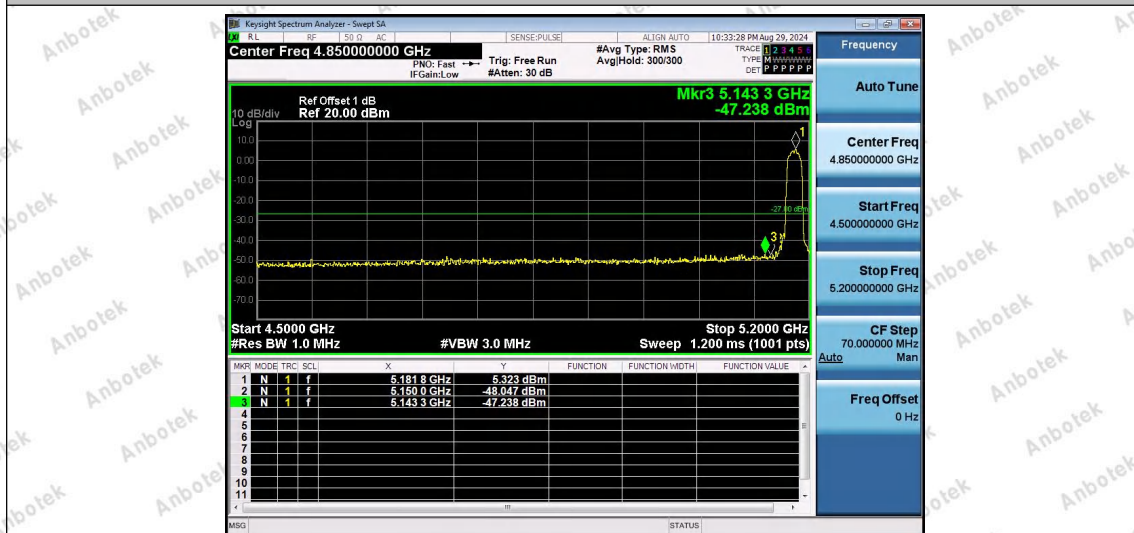
Test Graphs B1



11A-Ant1-5180-PASS



11A-Ant1-5240-PASS



11N20SISO-Ant1-5180-PASS

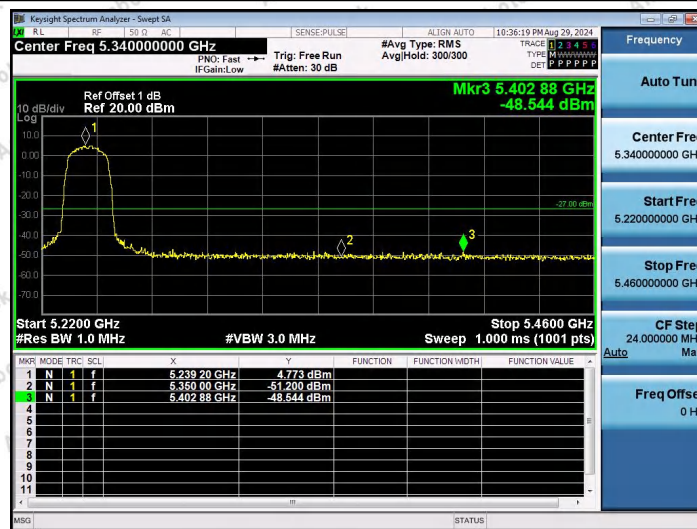
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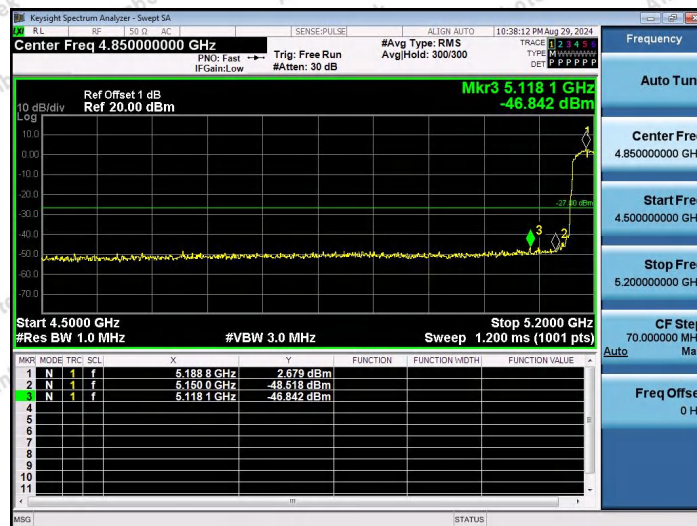


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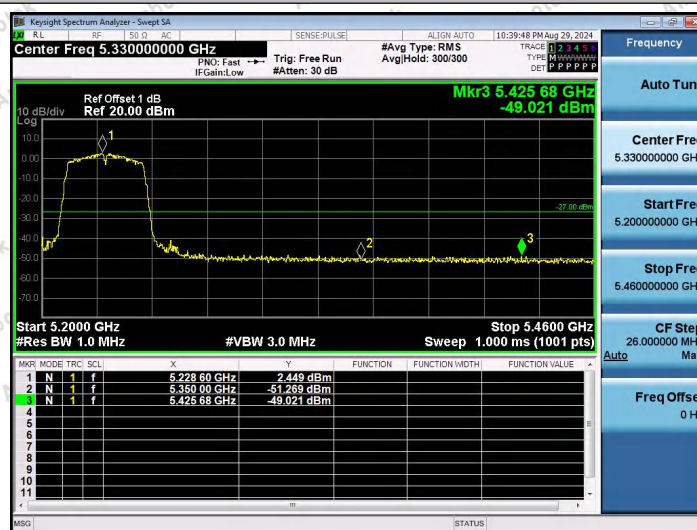




11N20SISO-Ant1-5240-PASS



11N40SISO-Ant1-5190-PASS



11N40SISO-Ant1-5230-PASS

---END---

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