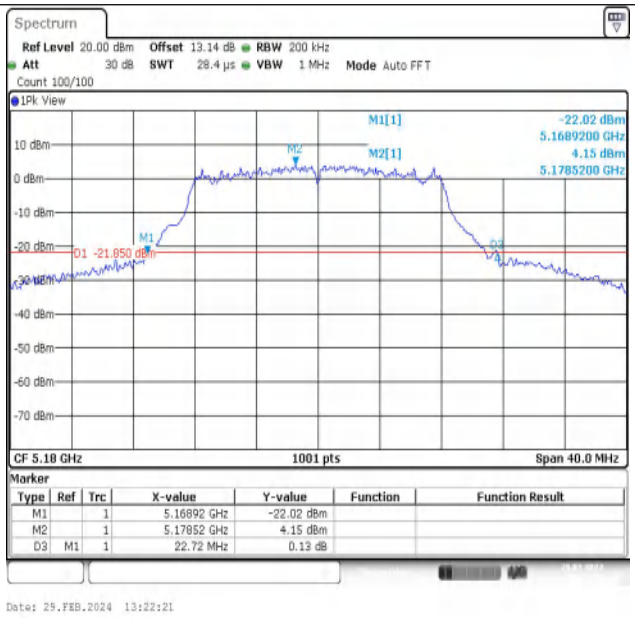
Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.72	5168.92	5191.64	---	---
11A	Ant1	5200	22.00	5189.08	5211.08	---	---
11A	Ant1	5240	21.44	5229.28	5250.72	---	---
11A	Ant1	5745	21.60	5734.20	5755.80	---	---
11A	Ant1	5825	21.48	5814.24	5835.72	---	---
11A	Ant2	5180	21.64	5169.36	5191.00	---	---
11A	Ant2	5200	24.32	5189.12	5213.44	---	---
11A	Ant2	5240	24.12	5229.32	5253.44	---	---
11A	Ant2	5745	21.64	5734.28	5755.92	---	---
11A	Ant2	5785	22.40	5774.20	5796.60	---	---
11A	Ant2	5825	21.76	5814.04	5835.80	---	---
11A	Ant1	5785	21.36	5774.40	5795.76	---	---
11N20MIMO	Ant1	5180	23.20	5168.96	5192.16	---	---
11N20MIMO	Ant2	5180	21.76	5168.64	5190.40	---	---
11N20MIMO	Ant1	5200	22.52	5188.92	5211.44	---	---
11N20MIMO	Ant2	5200	20.84	5189.76	5210.60	---	---
11N20MIMO	Ant1	5240	24.80	5227.72	5252.52	---	---
11N20MIMO	Ant2	5240	21.68	5228.72	5250.40	---	---
11N20MIMO	Ant1	5745	21.76	5734.20	5755.96	---	---
11N20MIMO	Ant2	5745	20.68	5734.88	5755.56	---	---
11N20MIMO	Ant1	5785	21.76	5774.20	5795.96	---	---
11N20MIMO	Ant2	5785	20.16	5775.40	5795.56	---	---
11N20MIMO	Ant1	5825	21.56	5814.12	5835.68	---	---
11N20MIMO	Ant2	5825	32.88	5807.20	5840.08	---	---
11N40MIMO	Ant1	5190	60.96	5161.52	5222.48	---	---
11N40MIMO	Ant2	5190	76.40	5151.68	5228.08	---	---
11N40MIMO	Ant1	5230	66.72	5202.88	5269.60	---	---
11N40MIMO	Ant2	5230	51.04	5209.36	5260.40	---	---
11N40MIMO	Ant1	5755	43.28	5734.76	5778.04	---	---
11N40MIMO	Ant2	5755	70.72	5717.24	5787.96	---	---
11N40MIMO	Ant1	5795	46.24	5771.48	5817.72	---	---
11N40MIMO	Ant2	5795	52.72	5774.60	5827.32	---	---
11AC80MIMO	Ant1	5210	115.20	5155.28	5270.48	---	---
11AC80MIMO	Ant2	5210	80.96	5169.04	5250.00	---	---
11AC80MIMO	Ant1	5775	95.68	5720.76	5816.44	---	---
11AC80MIMO	Ant2	5775	108.80	5732.76	5841.56	---	---

Test Graphs



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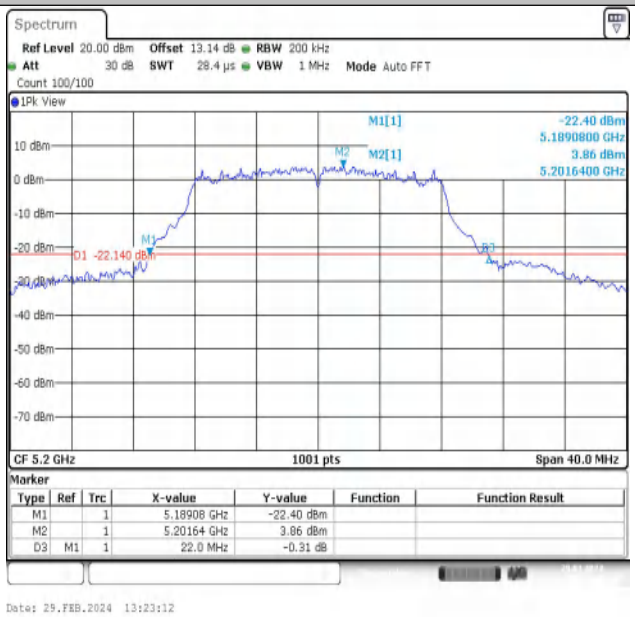

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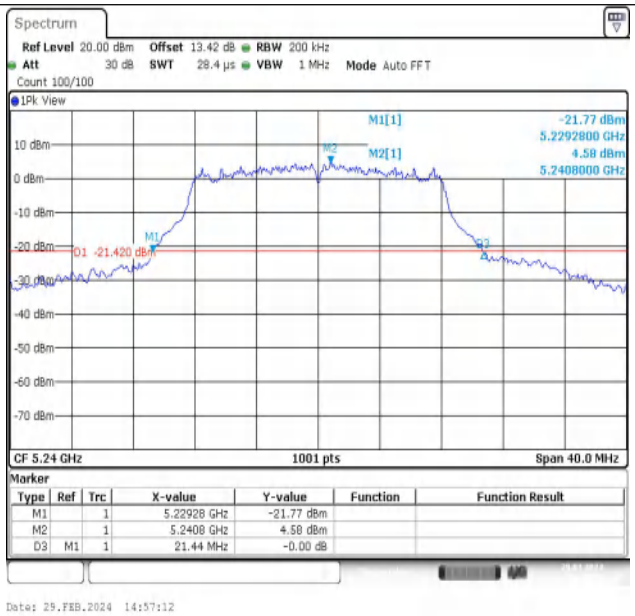

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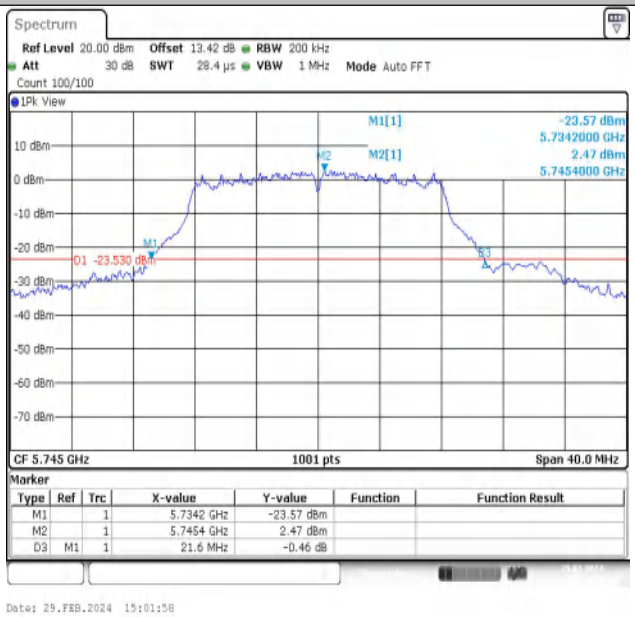

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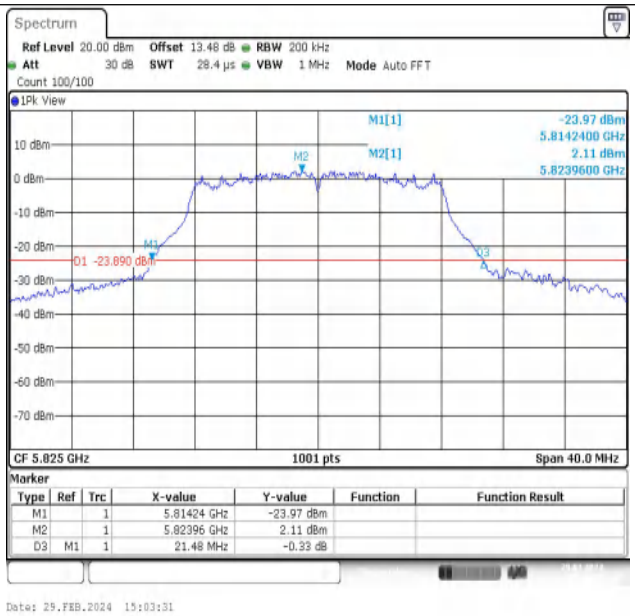

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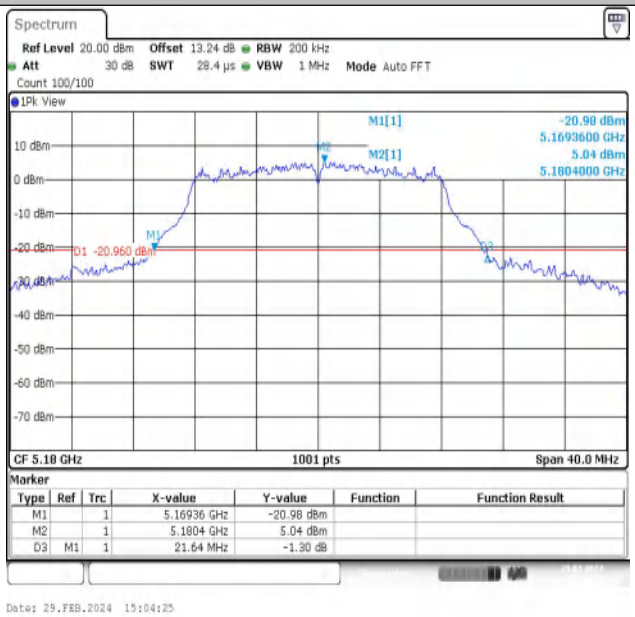

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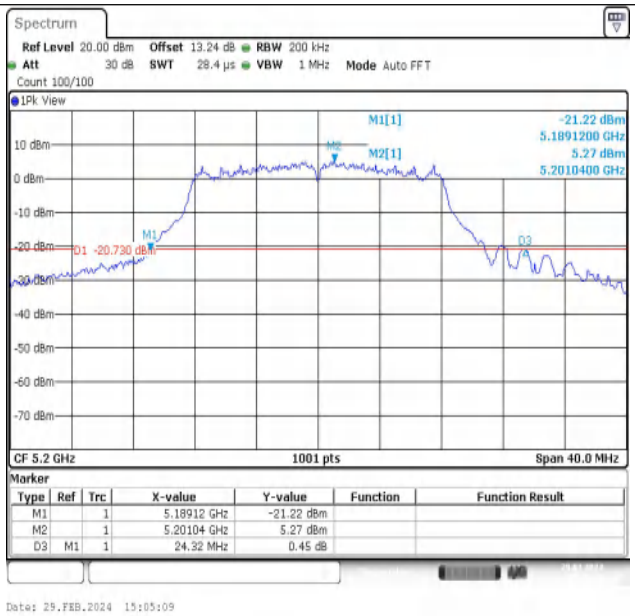

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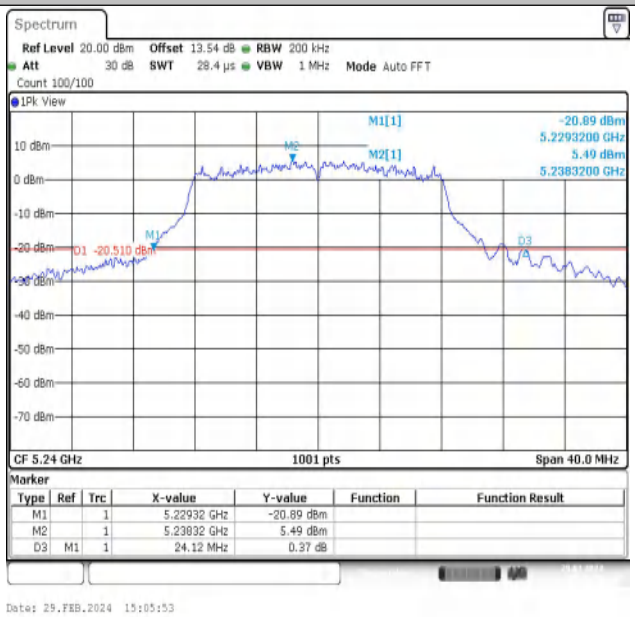

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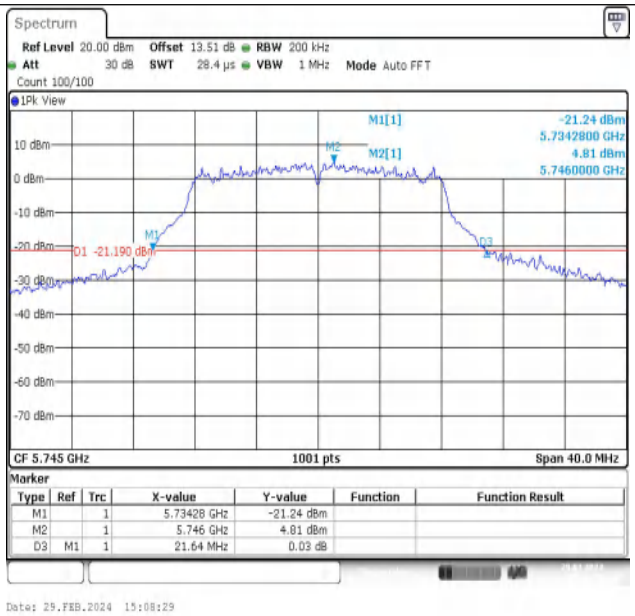

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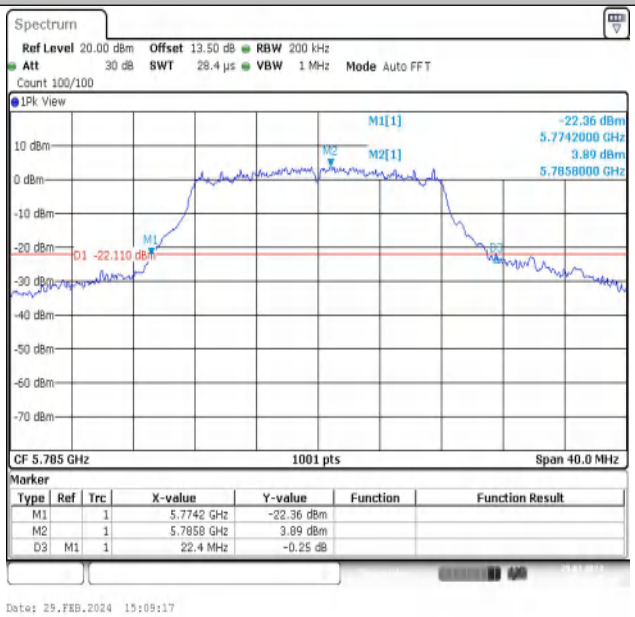

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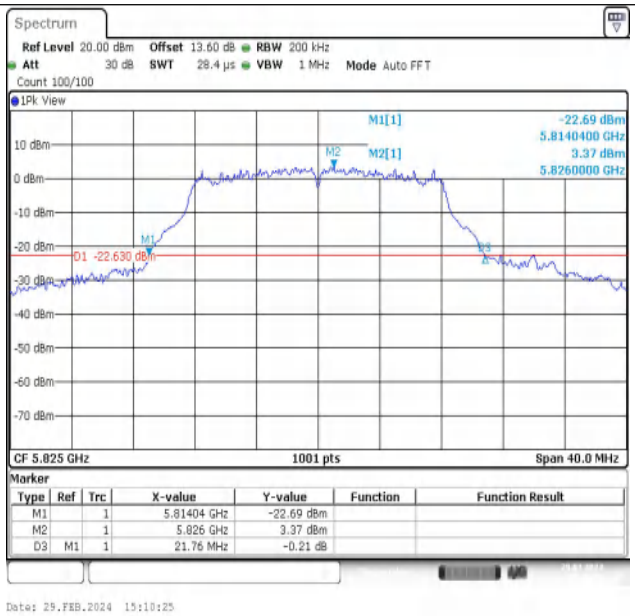

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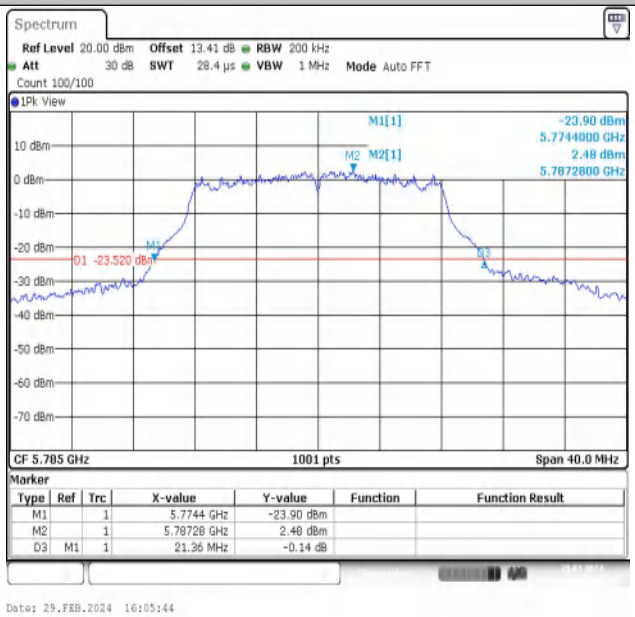

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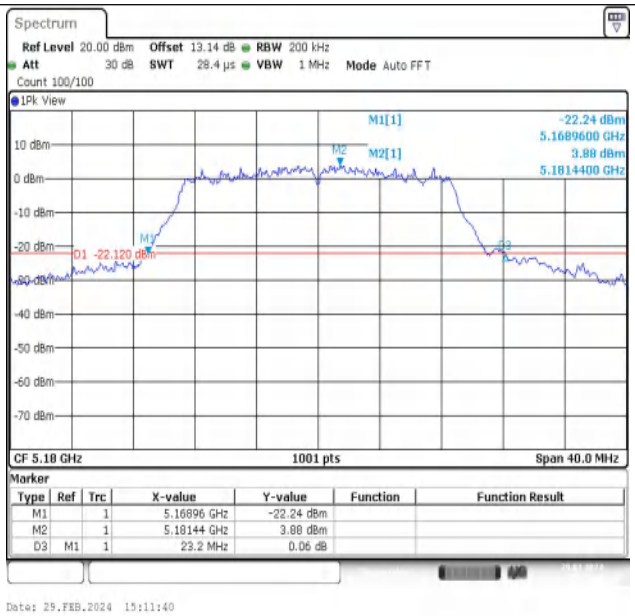

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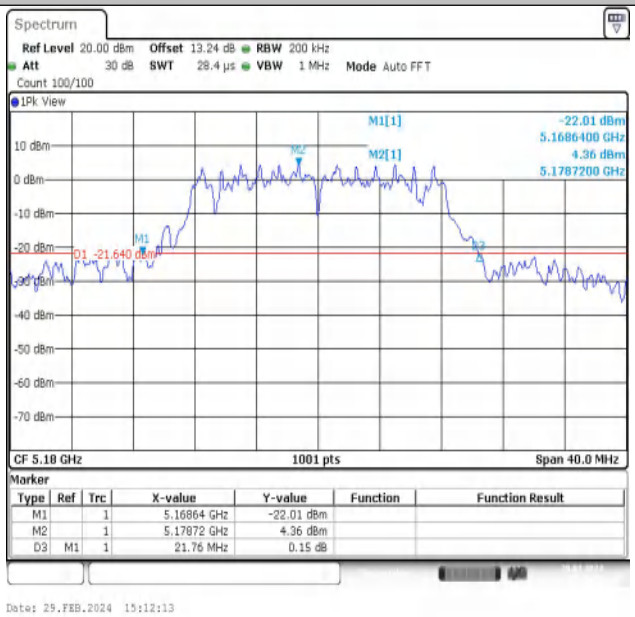

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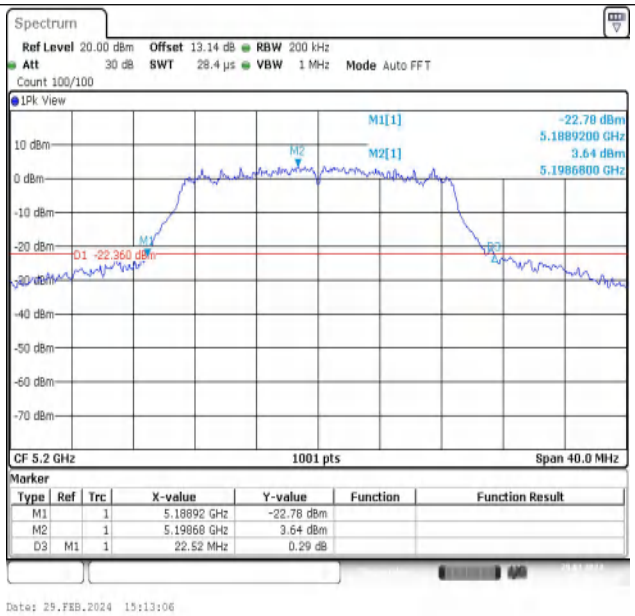

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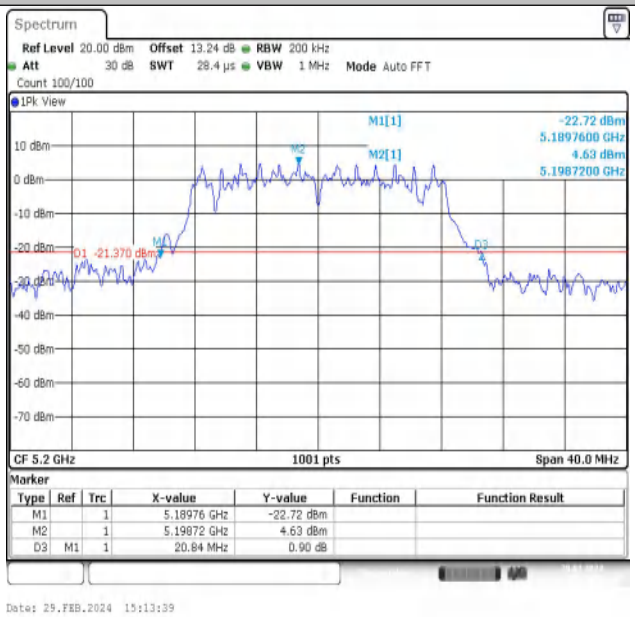

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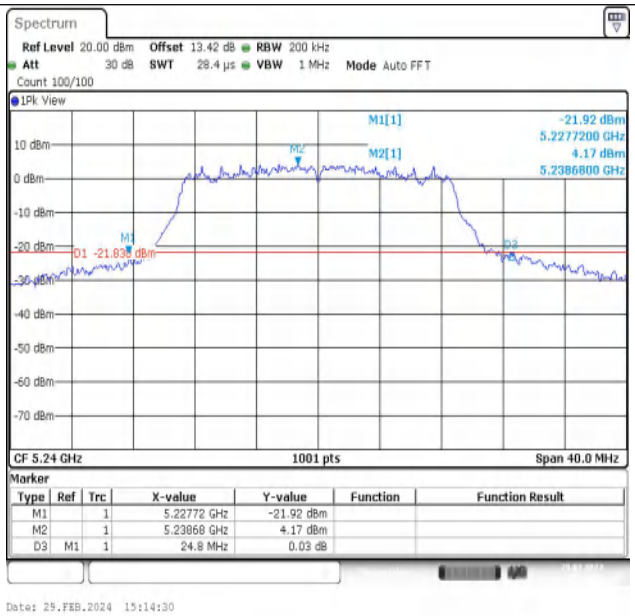

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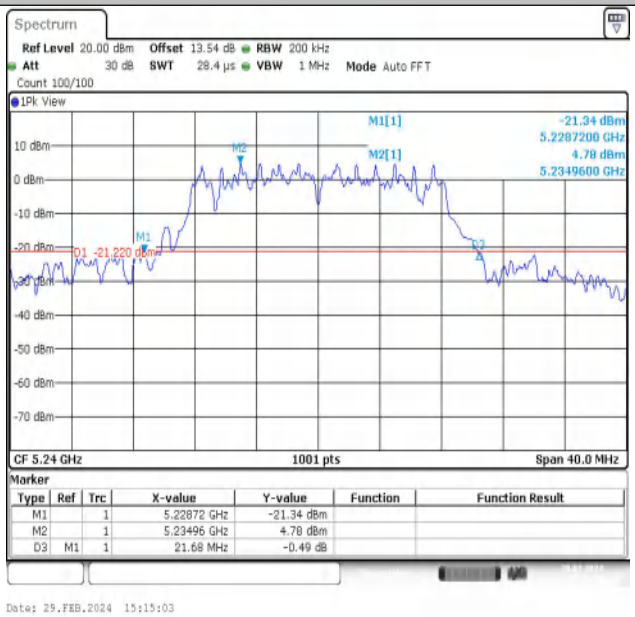

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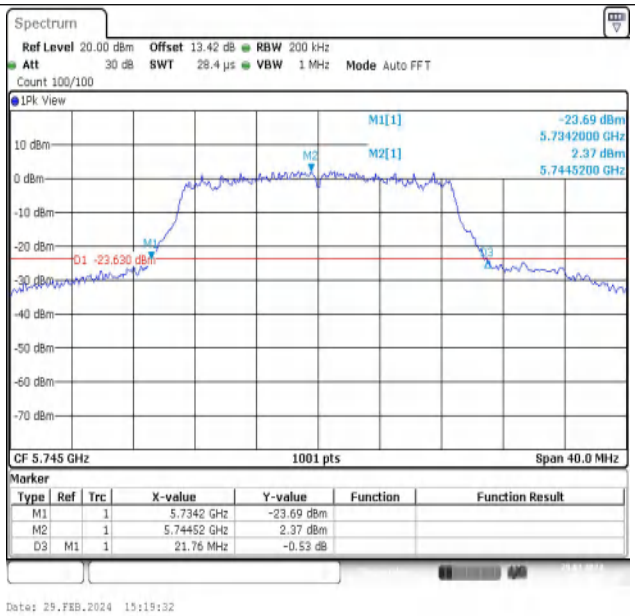

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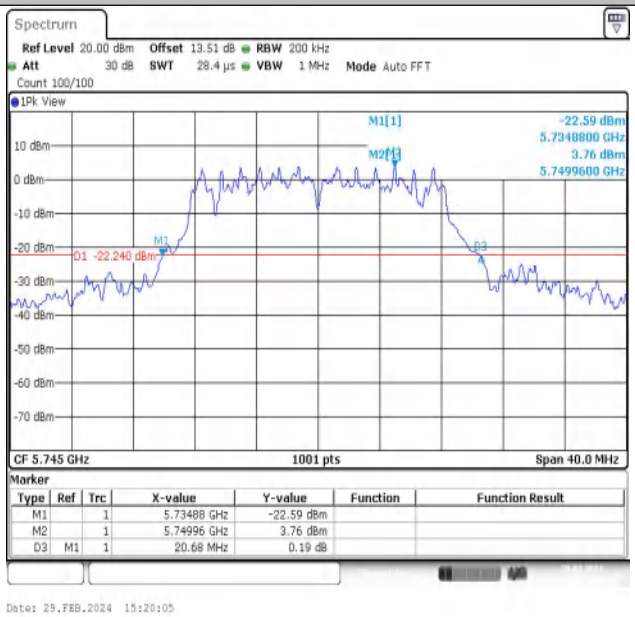

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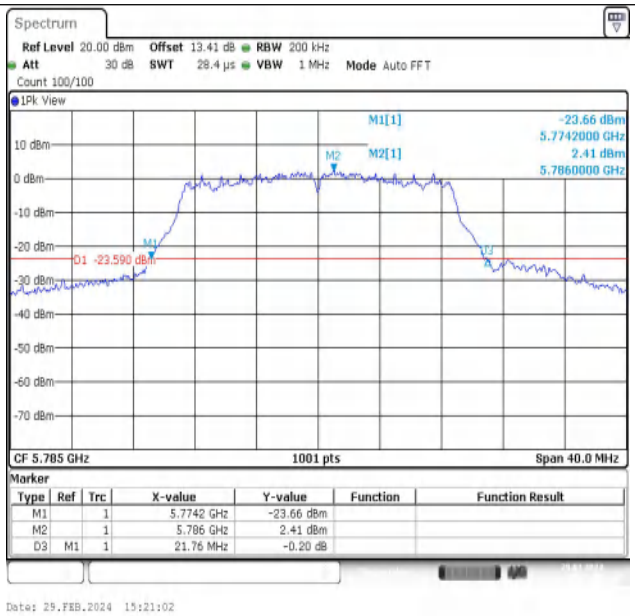

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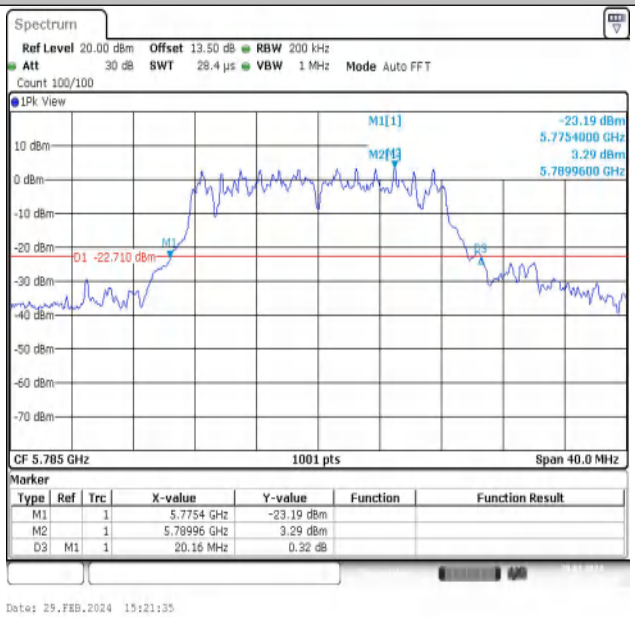

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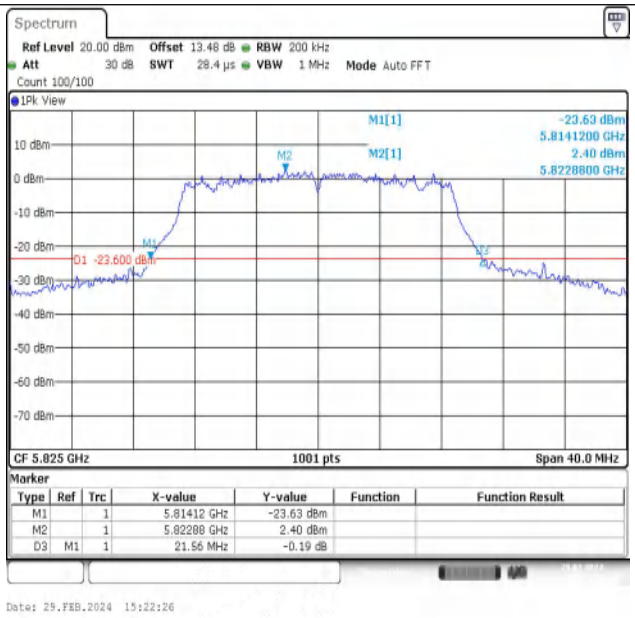
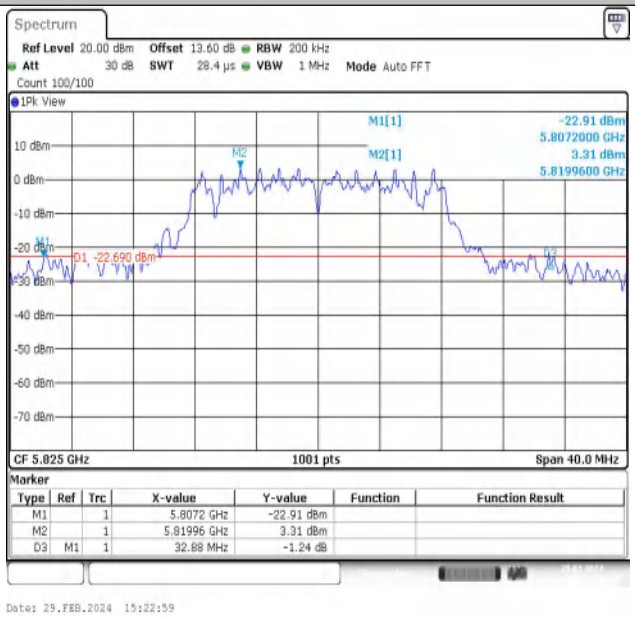


11N20MIMO-Ant1-5825



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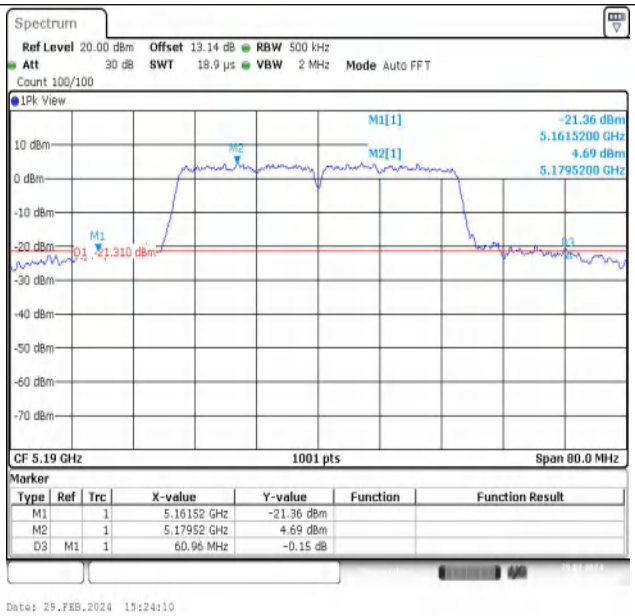

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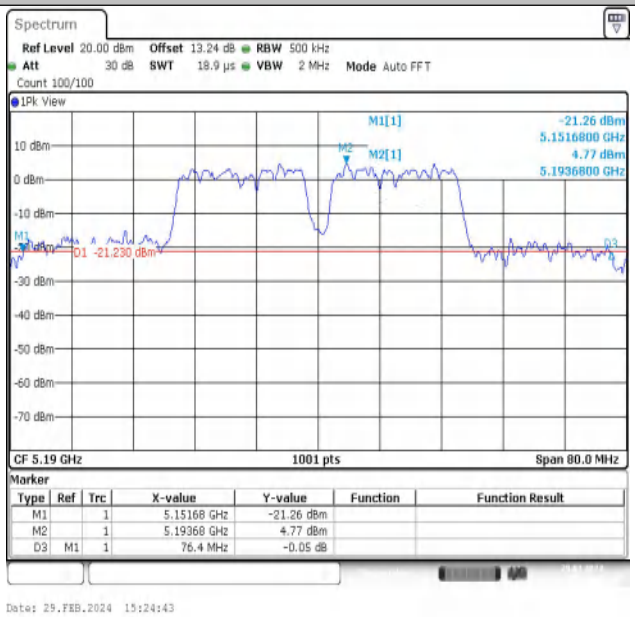

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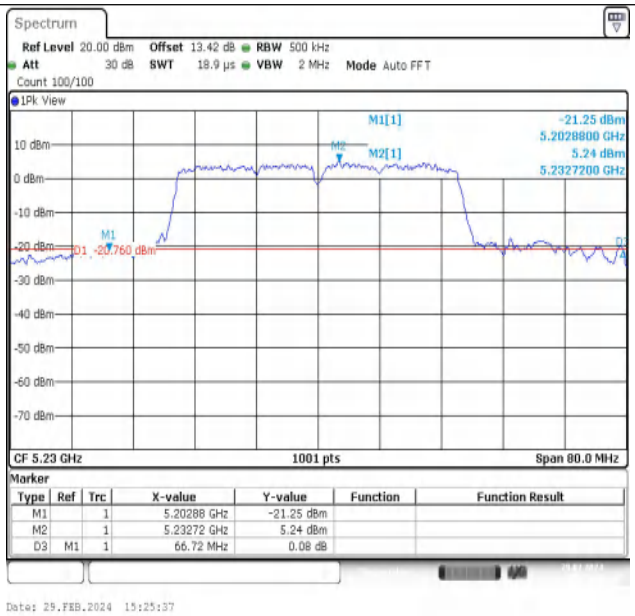

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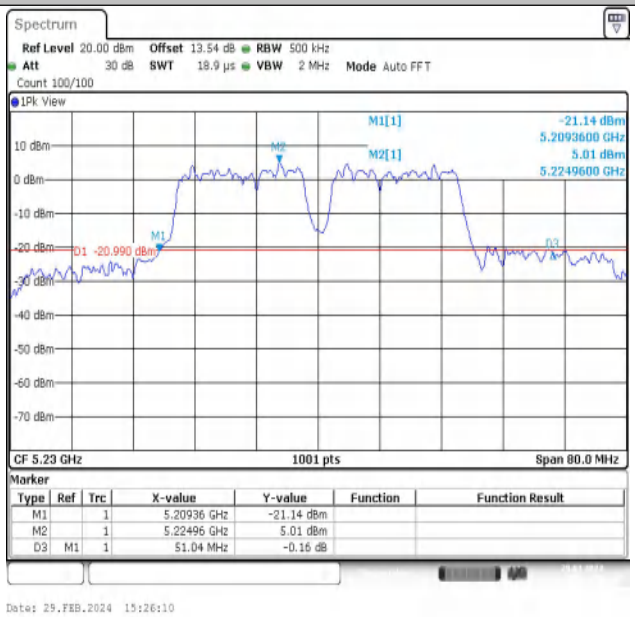

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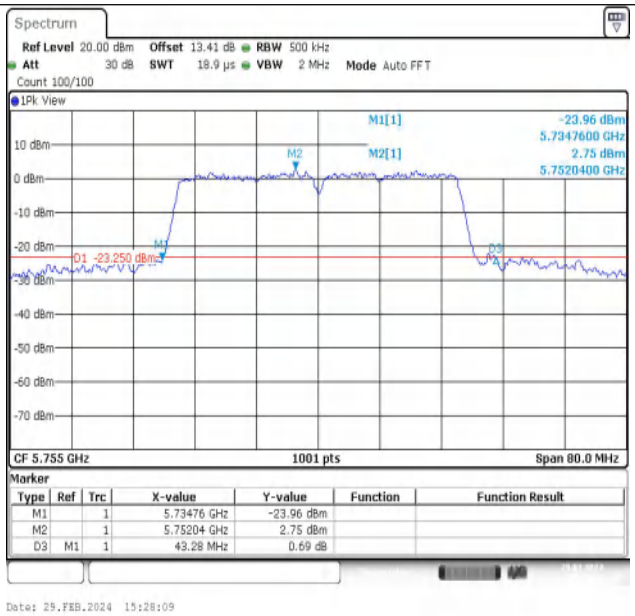

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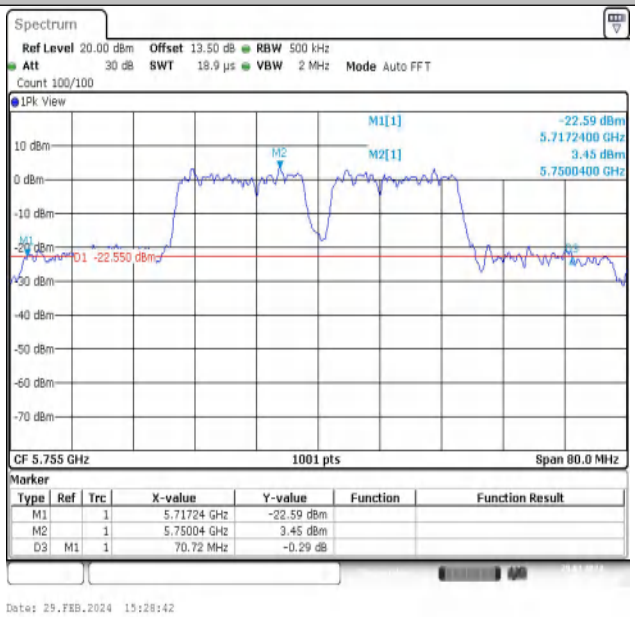

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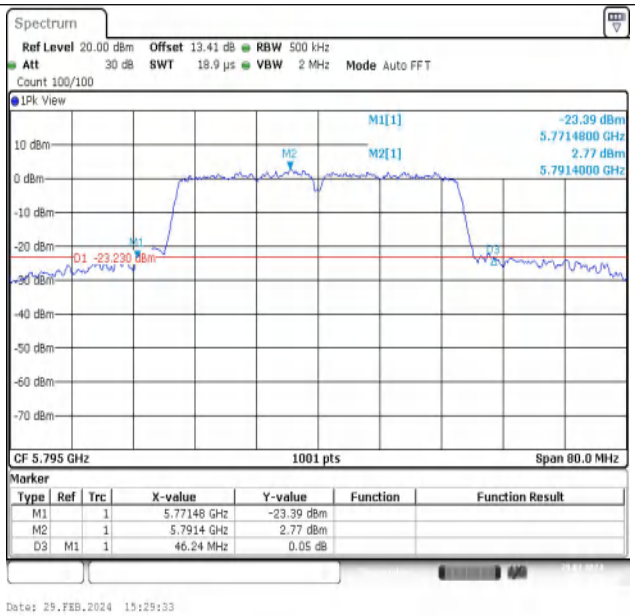

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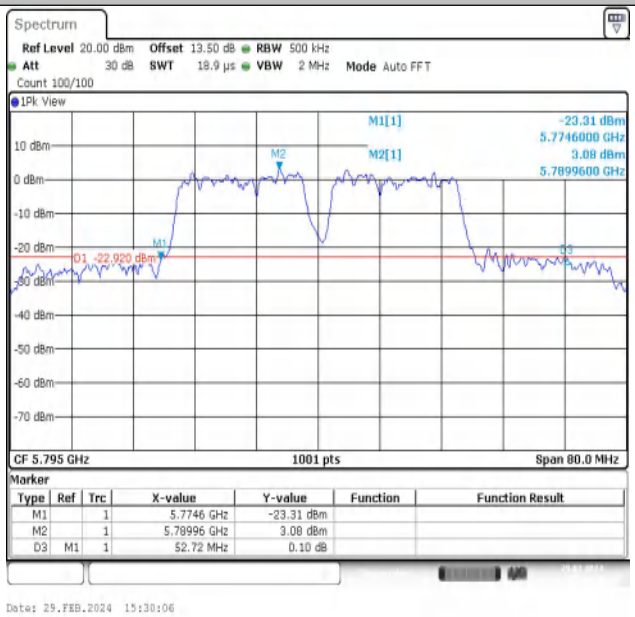
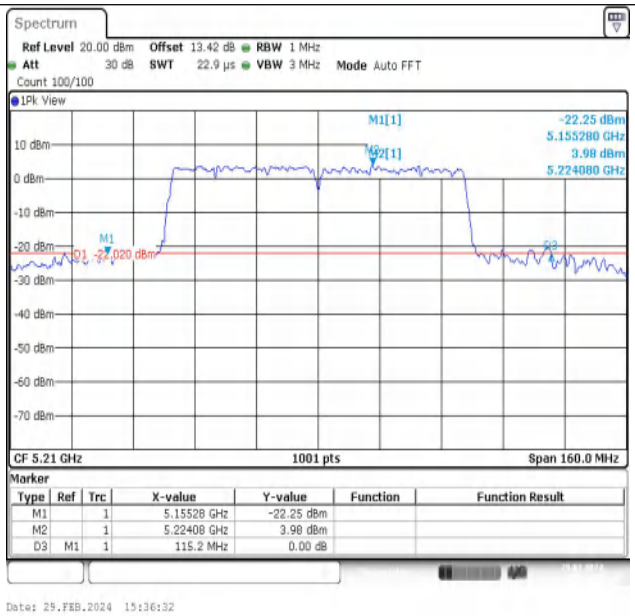
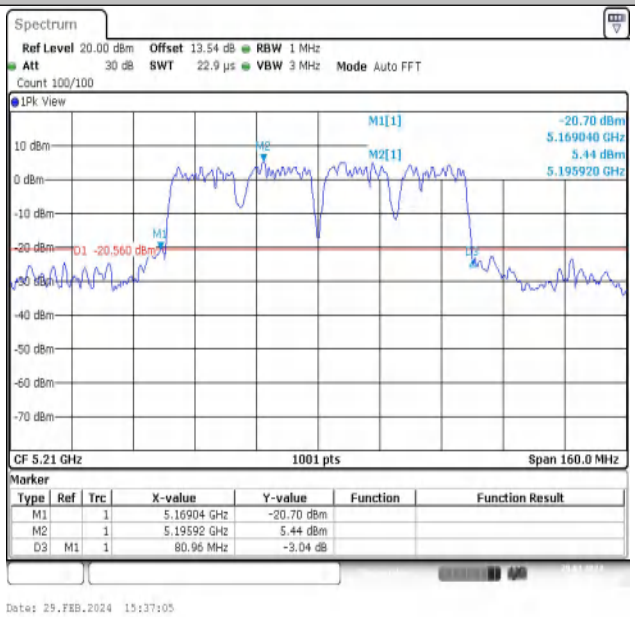


11N40MIMO-Ant2-5795



11AC80MIMO-Ant1-5210



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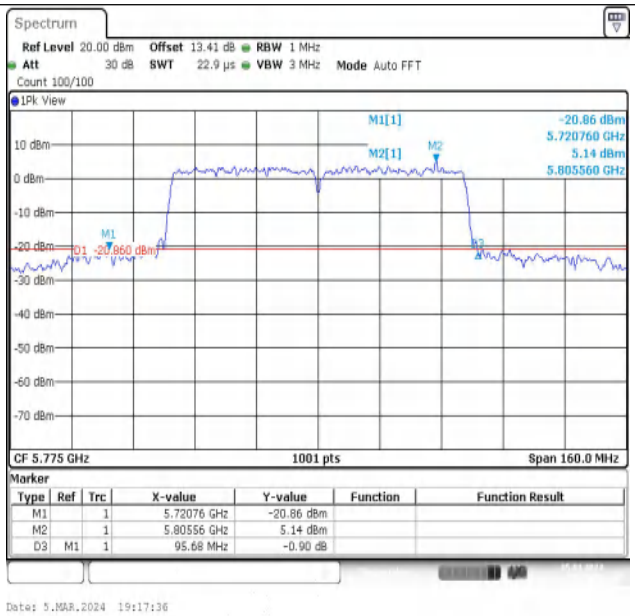

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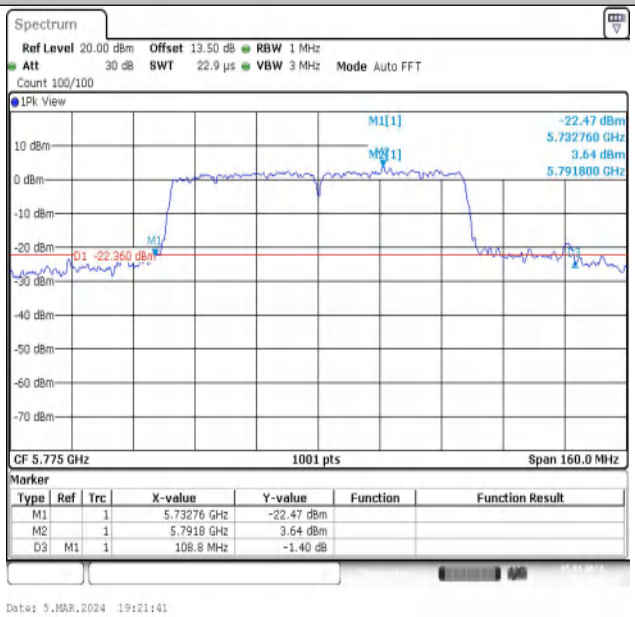


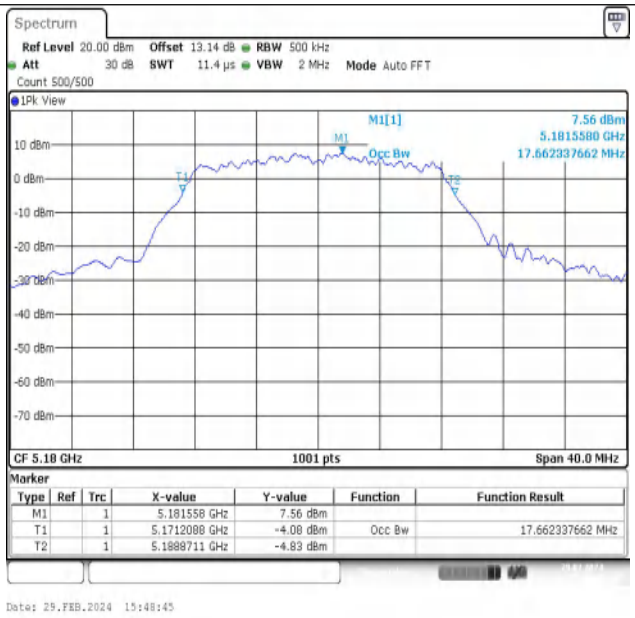
11AC80MIMO-Ant2-5775

Appendix A2: Occupied channel bandwidth

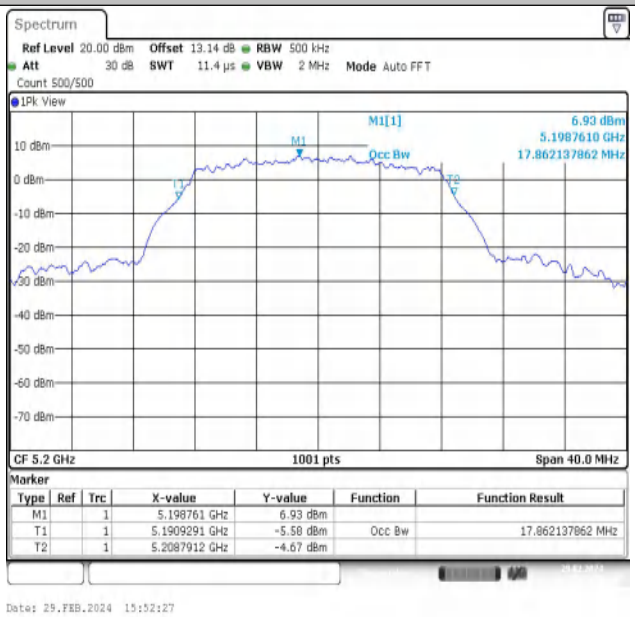
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.662	5171.2088	5188.8711	---	---
11A	Ant1	5200	17.862	5190.9291	5208.7912	---	---
11A	Ant1	5240	17.502	5231.2088	5248.7113	---	---
11A	Ant1	5745	17.702	5736.1289	5753.8312	---	---
11A	Ant1	5785	17.822	5776.1688	5793.9910	---	---
11A	Ant1	5825	17.542	5816.2088	5833.7512	---	---
11A	Ant2	5180	17.702	5171.2088	5188.9111	---	---
11A	Ant2	5200	17.582	5191.1688	5208.7512	---	---
11A	Ant2	5240	17.542	5231.2887	5248.8312	---	---
11A	Ant2	5745	17.942	5736.1289	5754.0709	---	---
11A	Ant2	5785	17.942	5775.8092	5793.7512	---	---
11A	Ant2	5825	17.542	5816.1688	5833.7113	---	---
11N20MIMO	Ant1	5180	18.741	5170.4895	5189.2308	---	---
11N20MIMO	Ant2	5180	17.582	5170.6494	5188.2318	---	---
11N20MIMO	Ant1	5200	18.462	5190.6094	5209.0709	---	---
11N20MIMO	Ant2	5200	16.943	5191.6484	5208.5914	---	---
11N20MIMO	Ant1	5240	18.541	5230.5694	5249.1109	---	---
11N20MIMO	Ant2	5240	16.783	5231.5285	5248.3117	---	---
11N20MIMO	Ant1	5745	18.501	5735.6893	5754.1908	---	---
11N20MIMO	Ant2	5745	16.783	5736.6084	5753.3916	---	---
11N20MIMO	Ant1	5785	18.501	5775.6893	5794.1908	---	---
11N20MIMO	Ant2	5785	17.103	5776.6084	5793.7113	---	---
11N20MIMO	Ant1	5825	18.382	5815.8492	5834.2308	---	---
11N20MIMO	Ant2	5825	17.063	5816.5285	5833.5914	---	---
11N40MIMO	Ant1	5190	36.763	5171.6184	5208.3816	---	---
11N40MIMO	Ant2	5190	37.163	5171.3786	5208.5415	---	---
11N40MIMO	Ant1	5230	37.163	5211.3786	5248.5415	---	---
11N40MIMO	Ant2	5230	37.083	5211.8581	5248.9411	---	---
11N40MIMO	Ant1	5755	36.683	5736.6983	5773.3816	---	---
11N40MIMO	Ant2	5755	36.843	5736.4585	5773.3017	---	---
11N40MIMO	Ant1	5795	36.683	5776.6184	5813.3017	---	---
11N40MIMO	Ant2	5795	36.603	5776.6983	5813.3017	---	---
11AC80MIMO	Ant1	5210	76.563	5171.4785	5248.0420	---	---
11AC80MIMO	Ant2	5210	76.723	5171.6384	5248.3616	---	---
11AC80MIMO	Ant1	5775	76.563	5736.6384	5813.2018	---	---
11AC80MIMO	Ant2	5775	76.563	5736.9580	5813.5215	---	---

Test Graphs

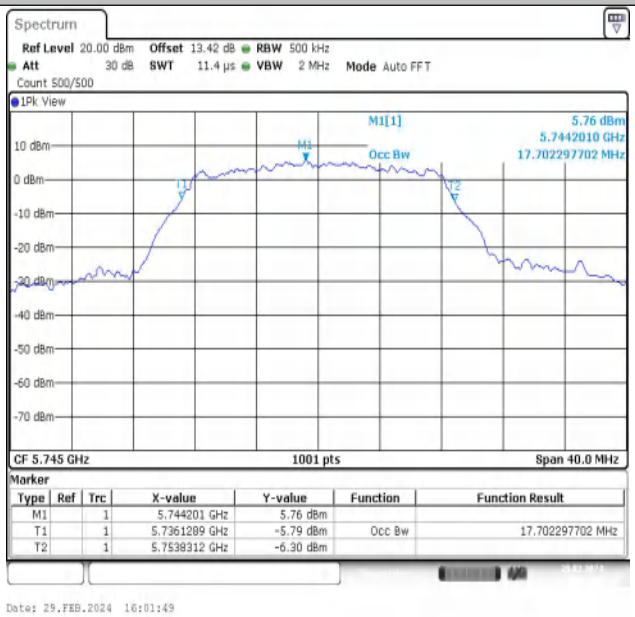


11A-Ant1-5180

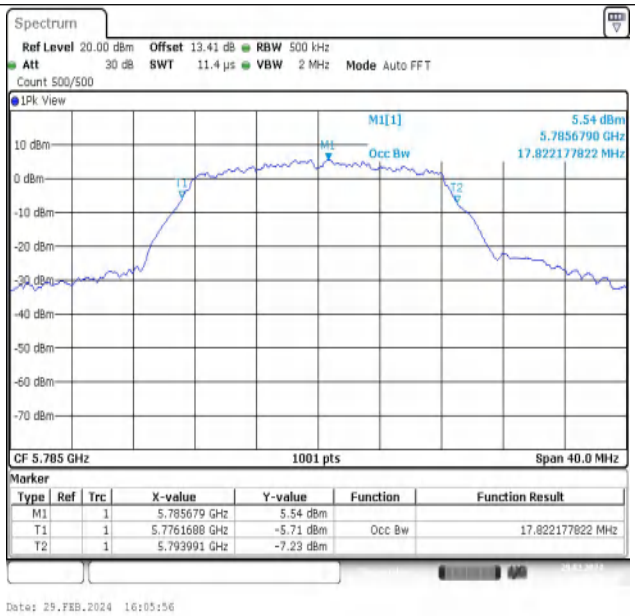


11A-Ant1-5200

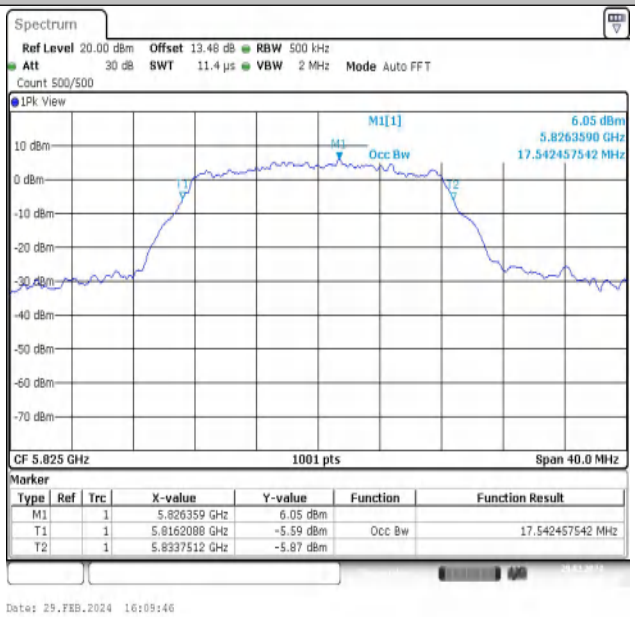
11A-Ant1-5240



11A-Ant1-5745

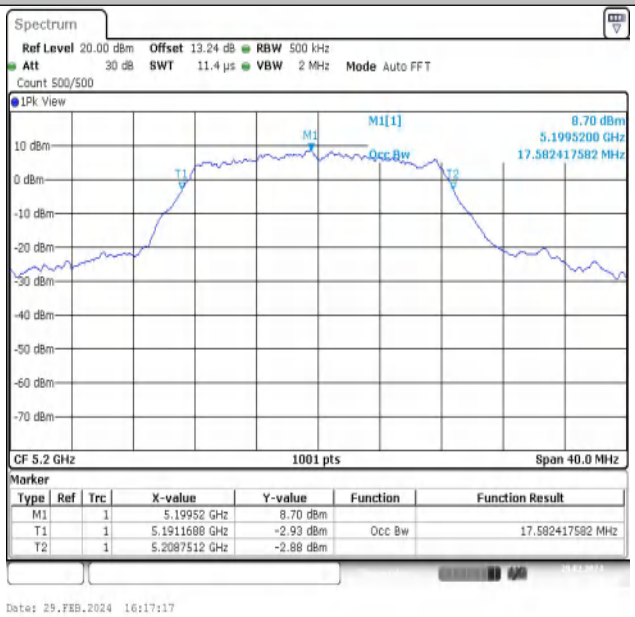


11A-Ant1-5785

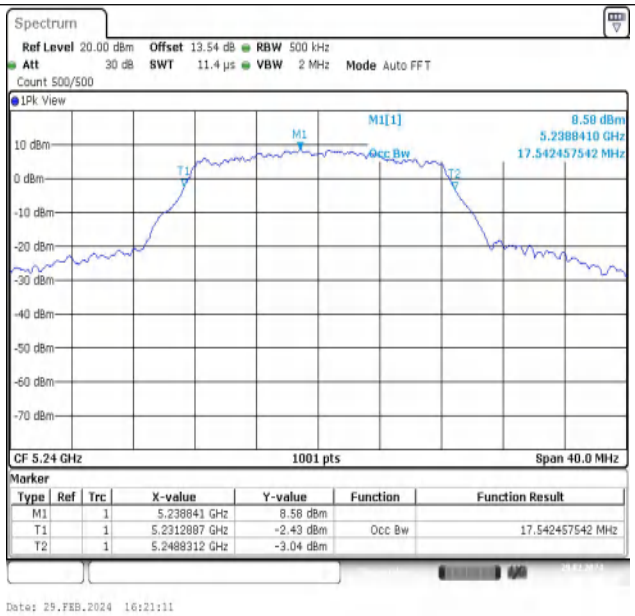


11A-Ant1-5825

11A-Ant2-5180



11A-Ant2-5200



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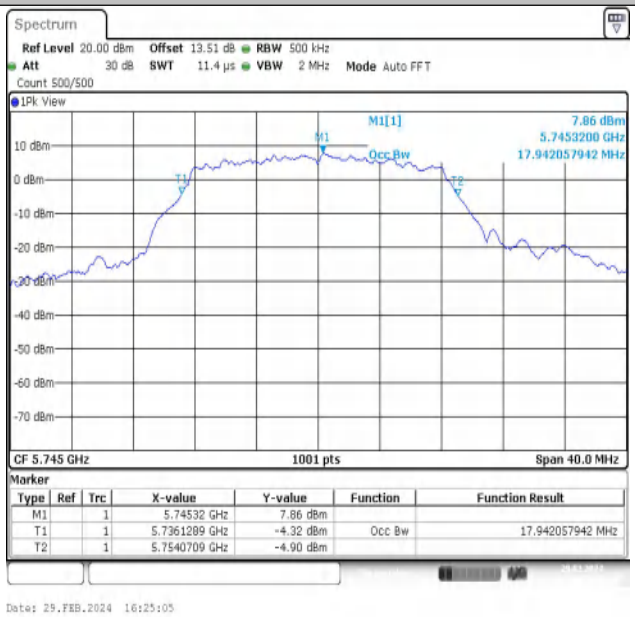
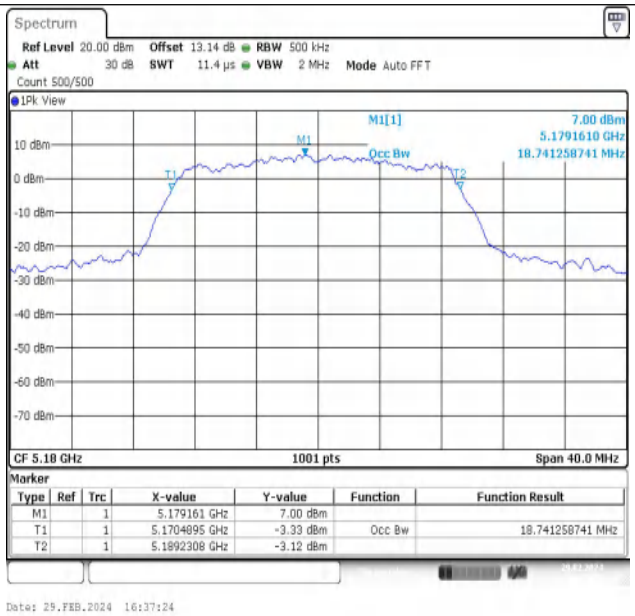


11A-Ant2-5745

11A-Ant2-5785

11A-Ant2-5825

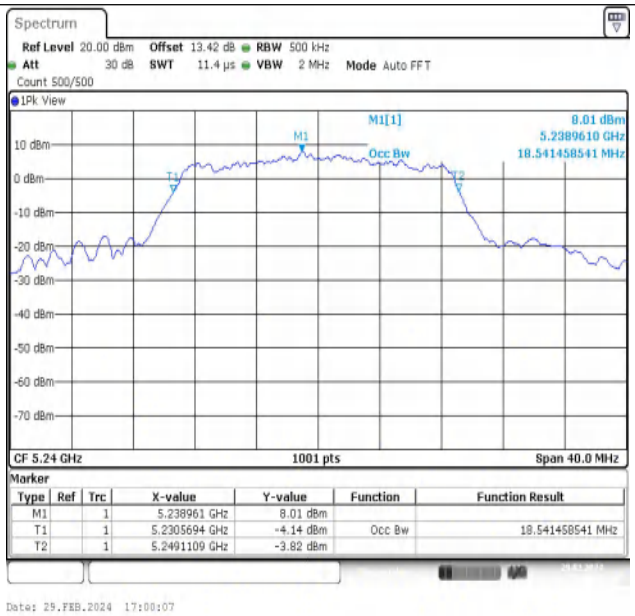


11N20MIMO-Ant1-5180

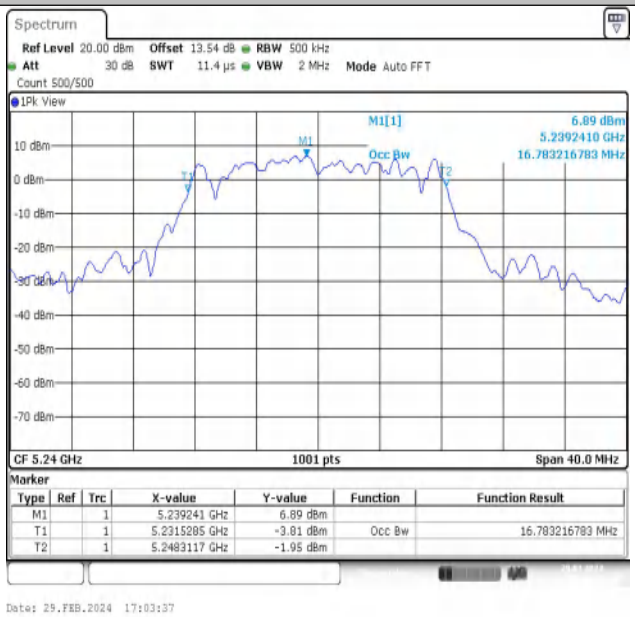
11N20MIMO-Ant2-5180

11N20MIMO-Ant1-5200

11N20MIMO-Ant2-5200

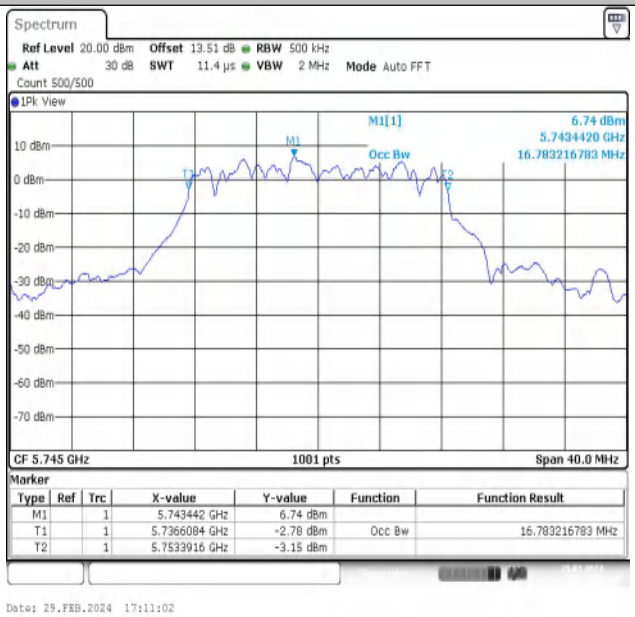


11N20MIMO-Ant1-5240



11N20MIMO-Ant2-5240

11N20MIMO-Ant1-5745

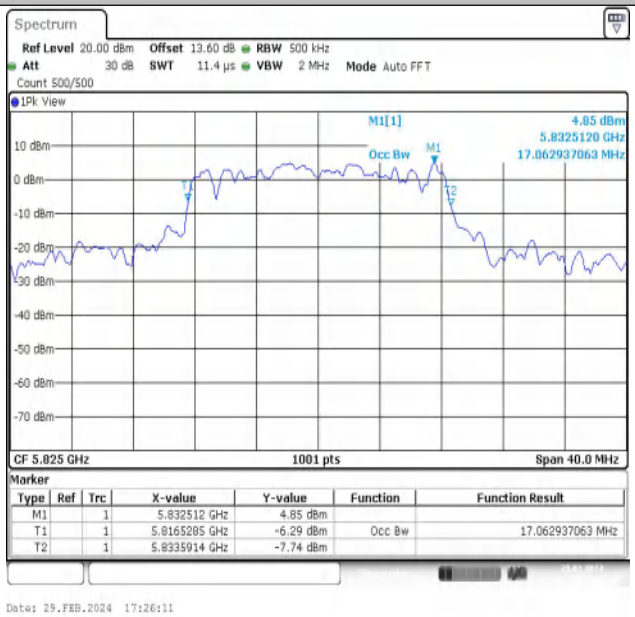


11N20MIMO-Ant2-5745

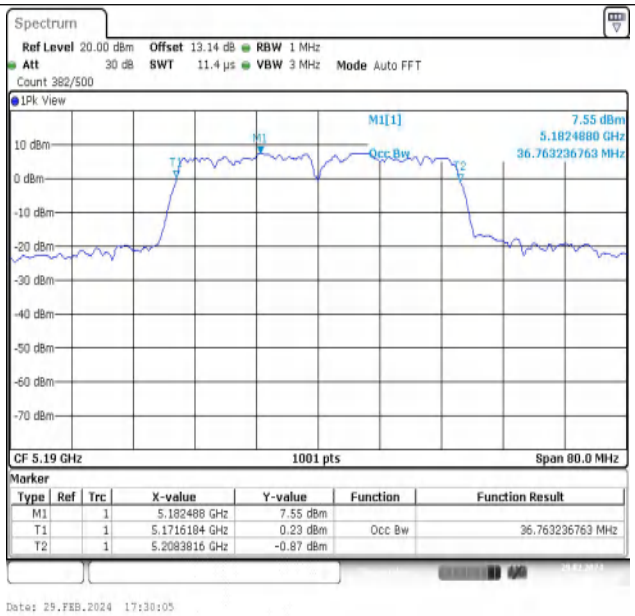
11N20MIMO-Ant1-5785

11N20MIMO-Ant2-5785

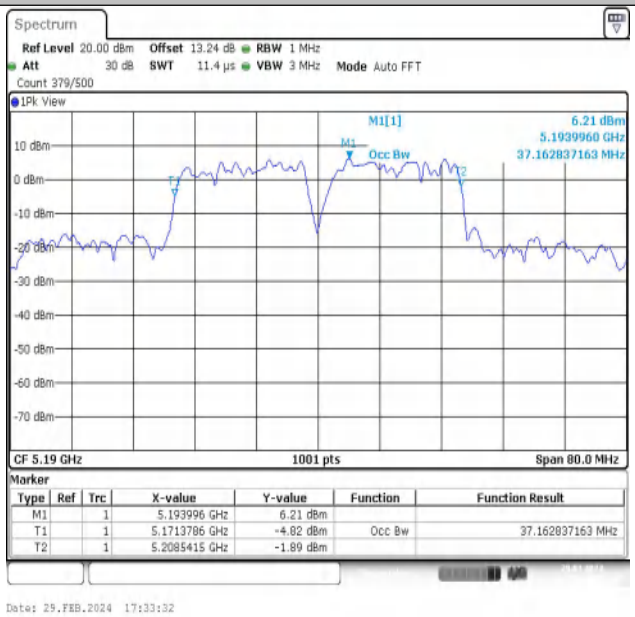
11N20MIMO-Ant1-5825



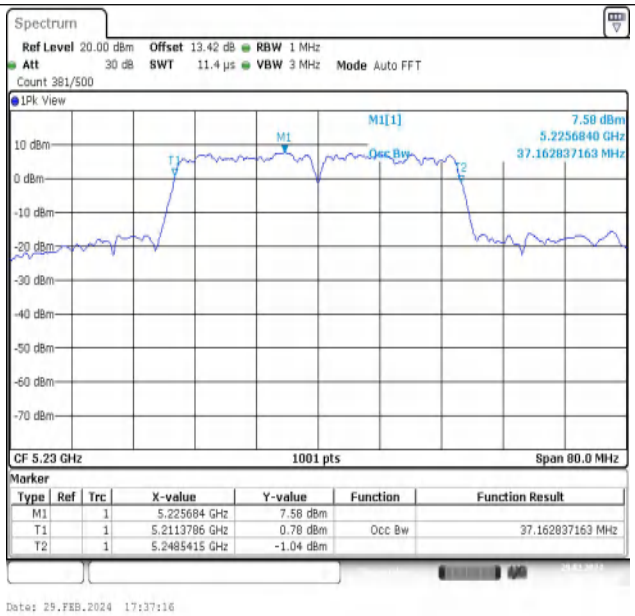
11N20MIMO-Ant2-5825



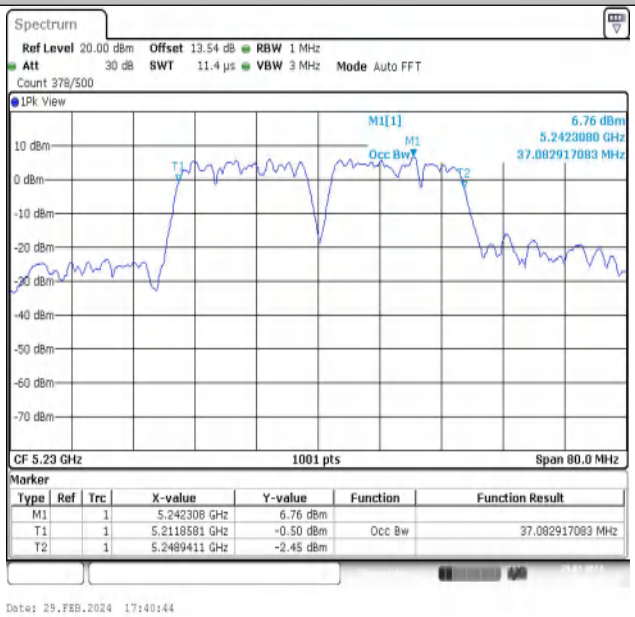
11N40MIMO-Ant1-5190



11N40MIMO-Ant2-5190

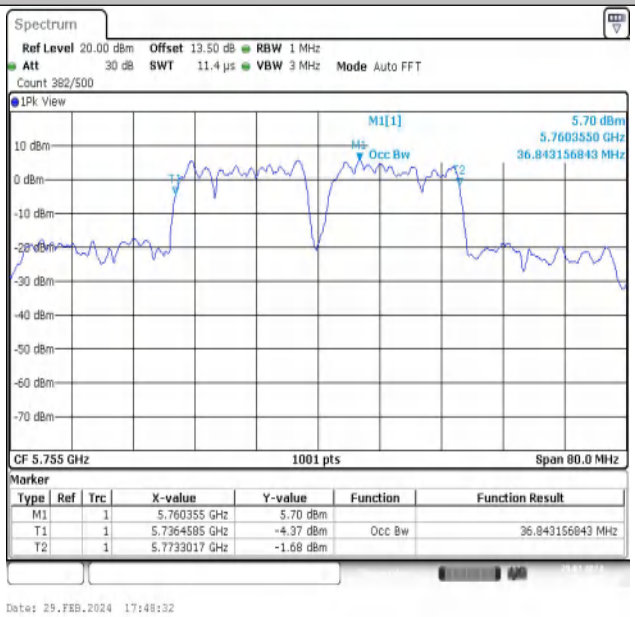


11N40MIMO-Ant1-5230



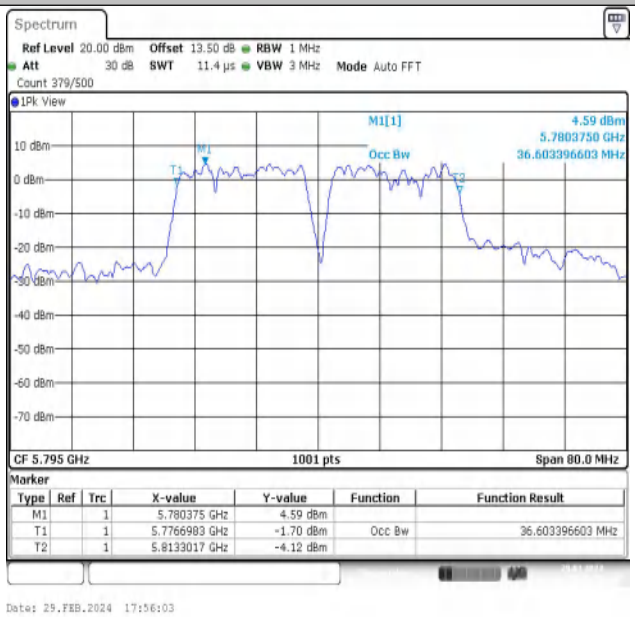
11N40MIMO-Ant2-5230

11N40MIMO-Ant1-5755

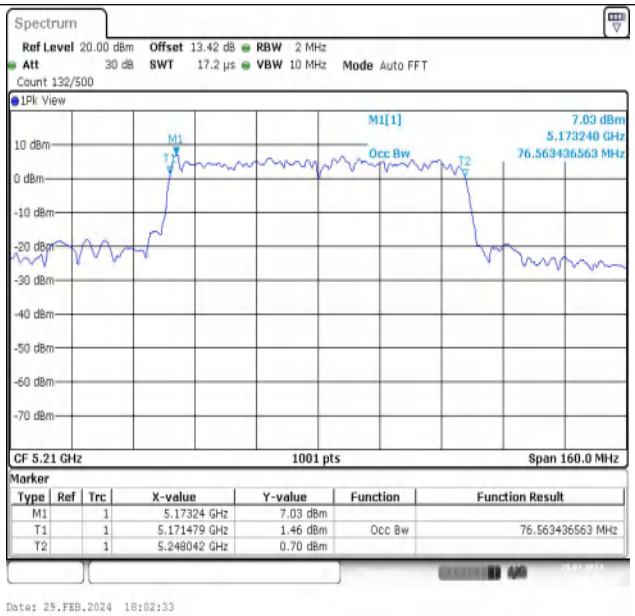


11N40MIMO-Ant2-5755

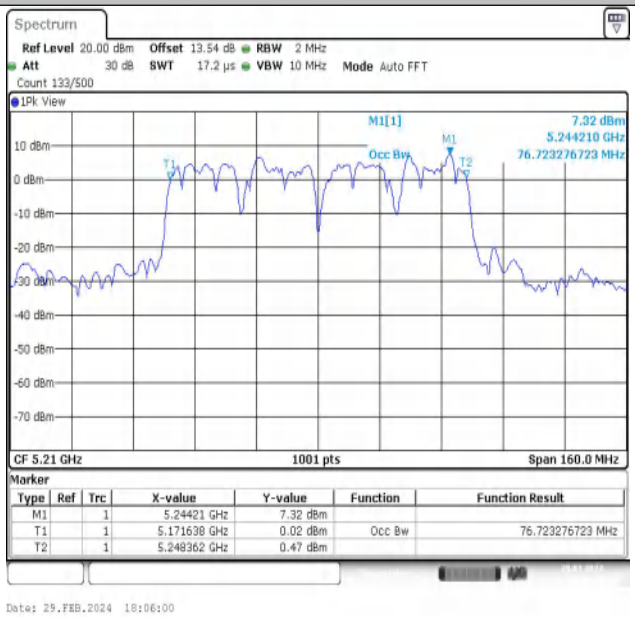
11N40MIMO-Ant1-5795



11N40MIMO-Ant2-5795

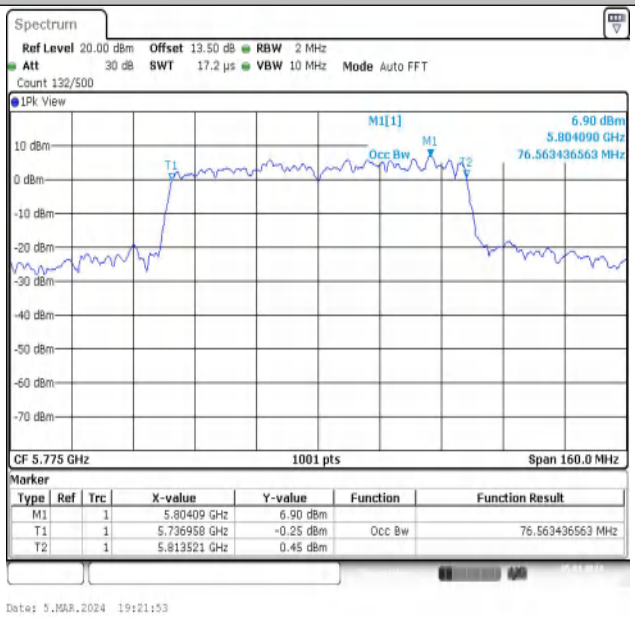


11AC80MIMO-Ant1-5210



11AC80MIMO-Ant2-5210

11AC80MIMO-Ant1-5775



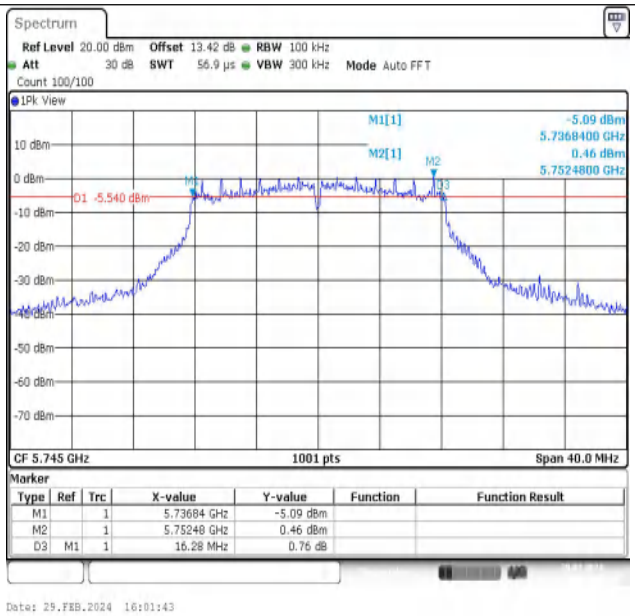
11AC80MIMO-Ant2-5775

Appendix A3: Min emission bandwidth

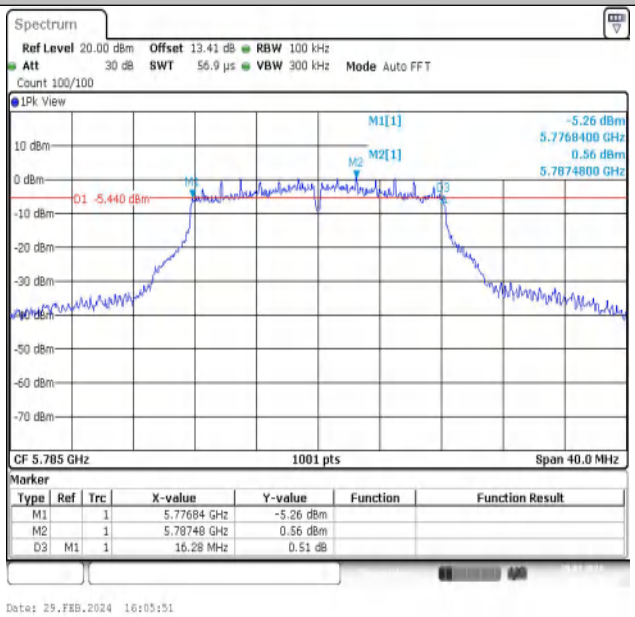
Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.28	5736.84	5753.12	0.5	PASS
11A	Ant1	5785	16.28	5776.84	5793.12	0.5	PASS
11A	Ant1	5825	16.04	5817.08	5833.12	0.5	PASS
11A	Ant2	5745	16.32	5736.80	5753.12	0.5	PASS
11A	Ant2	5785	16.36	5776.80	5793.16	0.5	PASS
11A	Ant2	5825	16.28	5816.84	5833.12	0.5	PASS
11N20MIMO	Ant1	5745	17.56	5736.20	5753.76	0.5	PASS
11N20MIMO	Ant2	5745	15.36	5737.16	5752.52	0.5	PASS
11N20MIMO	Ant1	5785	17.52	5776.20	5793.72	0.5	PASS
11N20MIMO	Ant2	5785	15.12	5777.40	5792.52	0.5	PASS
11N20MIMO	Ant1	5825	17.56	5816.20	5833.76	0.5	PASS
11N20MIMO	Ant2	5825	15.96	5817.16	5833.12	0.5	PASS
11N40MIMO	Ant1	5755	36.40	5736.76	5773.16	0.5	PASS
11N40MIMO	Ant2	5755	35.36	5737.16	5772.52	0.5	PASS
11N40MIMO	Ant1	5795	36.16	5777.00	5813.16	0.5	PASS
11N40MIMO	Ant2	5795	35.04	5777.16	5812.20	0.5	PASS
11AC80MIMO	Ant1	5775	76.48	5736.76	5813.24	0.5	PASS
11AC80MIMO	Ant2	5775	76.16	5737.08	5813.24	0.5	PASS

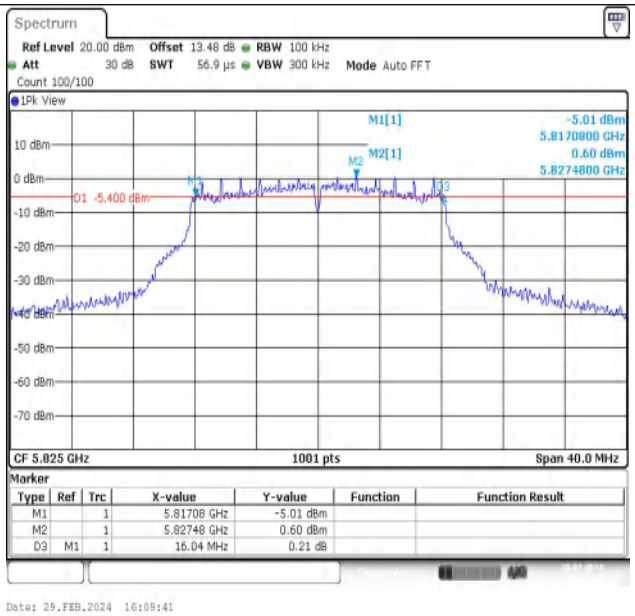
Test Graphs B4



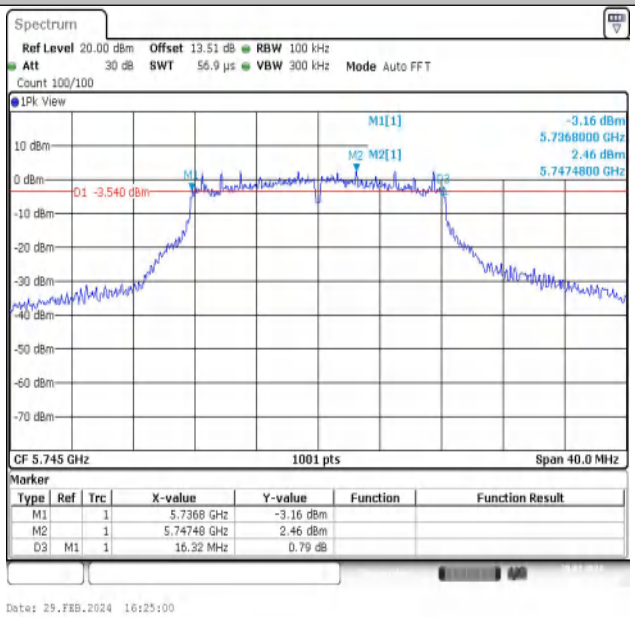
11A-Ant1-5745-PASS



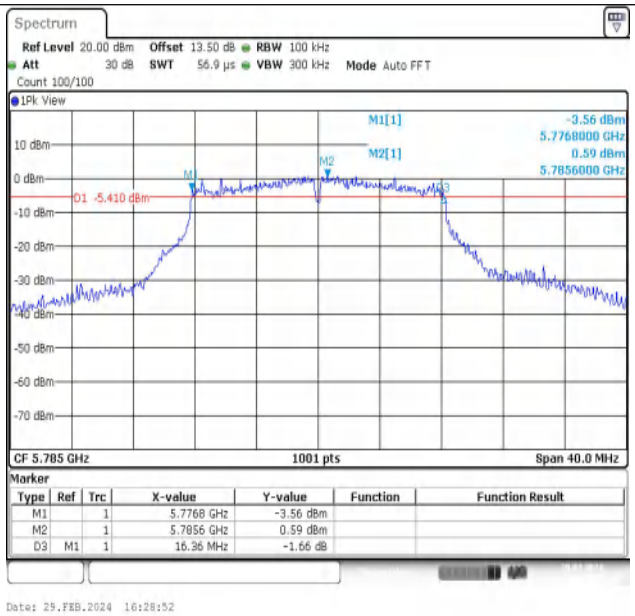
11A-Ant1-5785-PASS



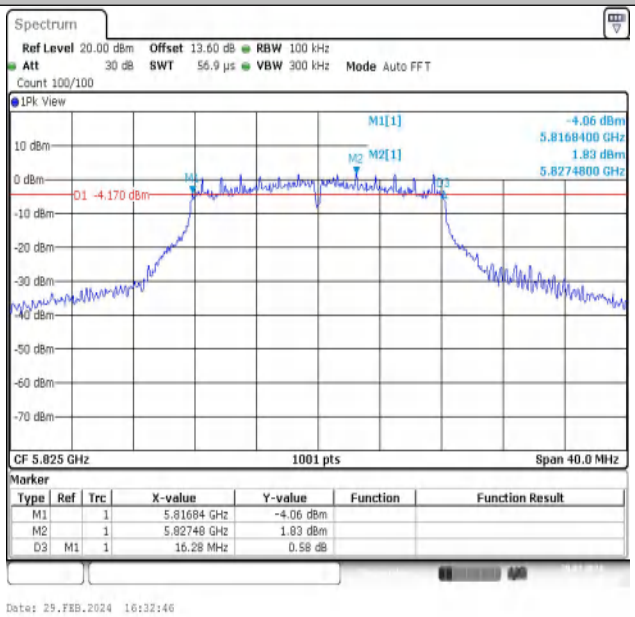
11A-Ant1-5825-PASS



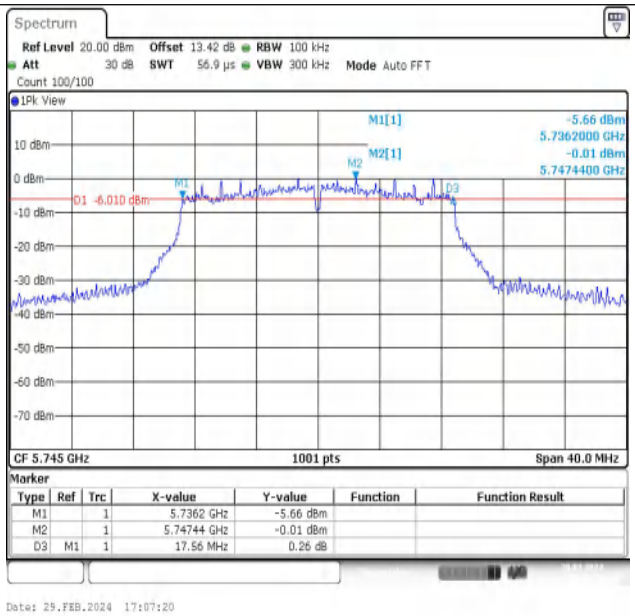
11A-Ant2-5745-PASS



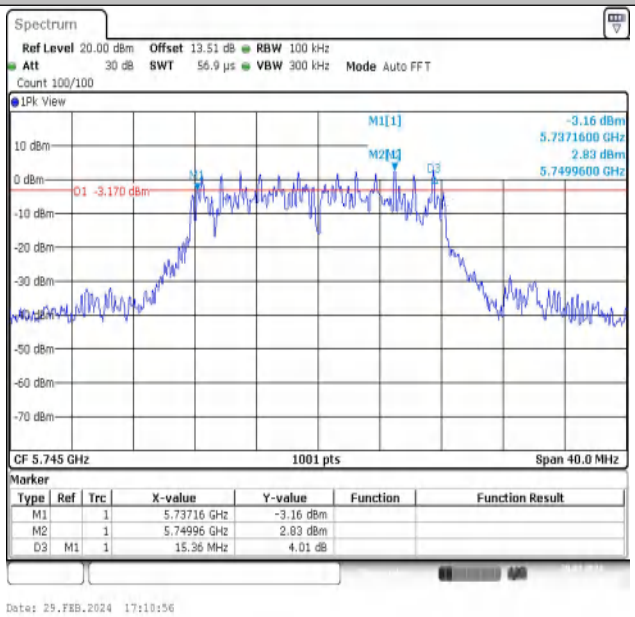
11A-Ant2-5785-PASS



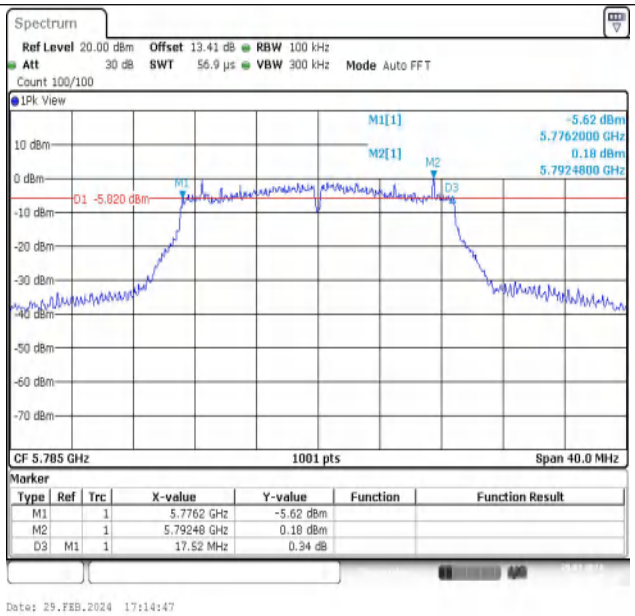
11A-Ant2-5825-PASS



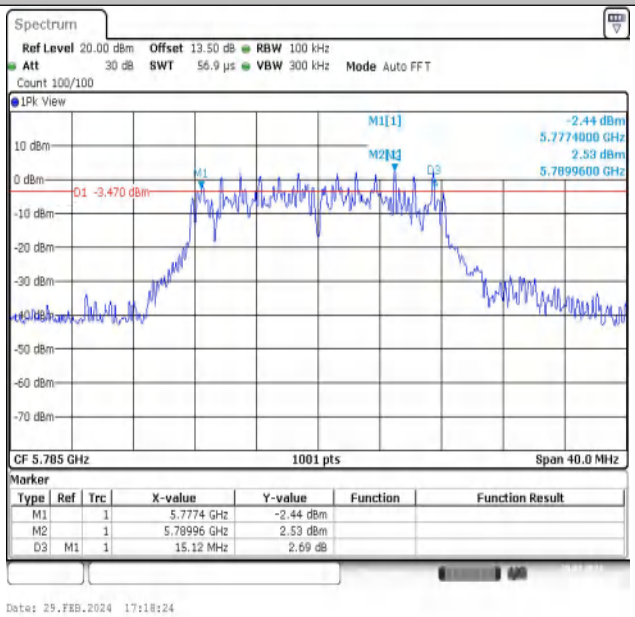
11N20MIMO-Ant1-5745-PASS



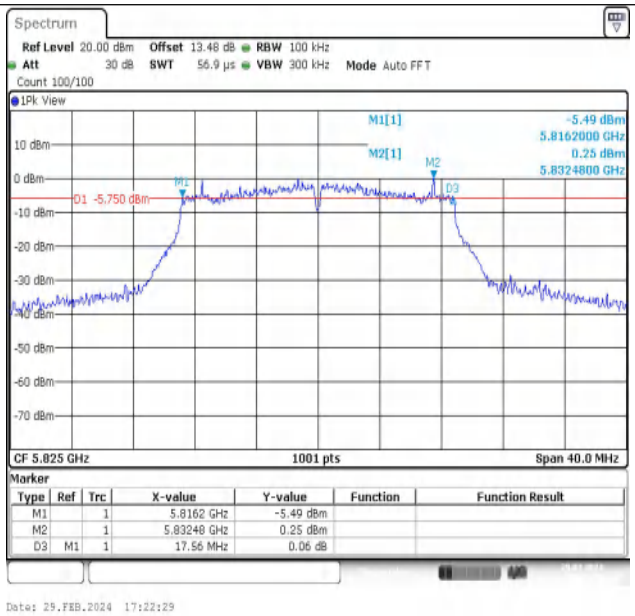
11N20MIMO-Ant2-5745-PASS



11N20MIMO-Ant1-5785-PASS



11N20MIMO-Ant2-5785-PASS



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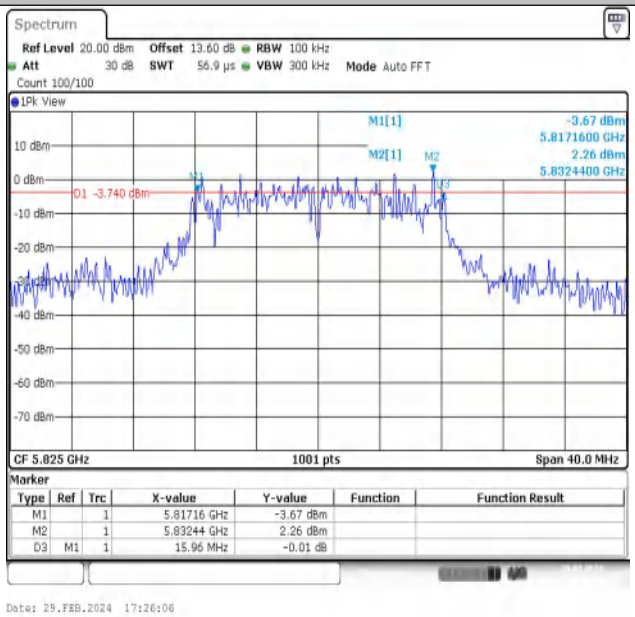
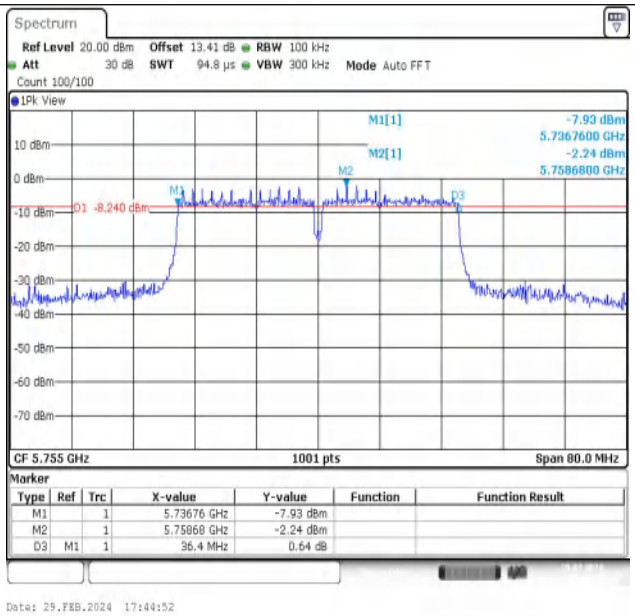
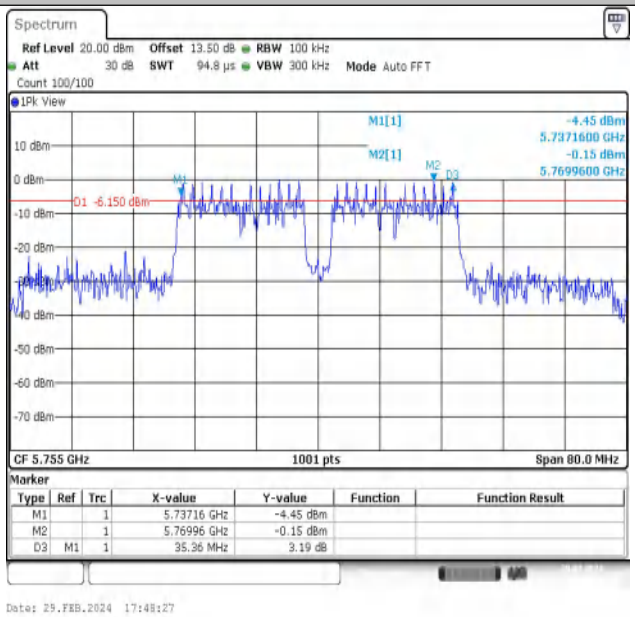


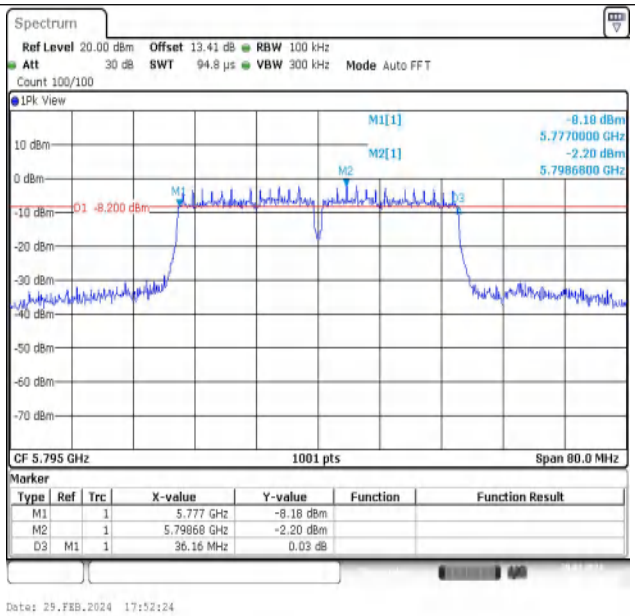
11N20MIMO-Ant2-5825-PASS



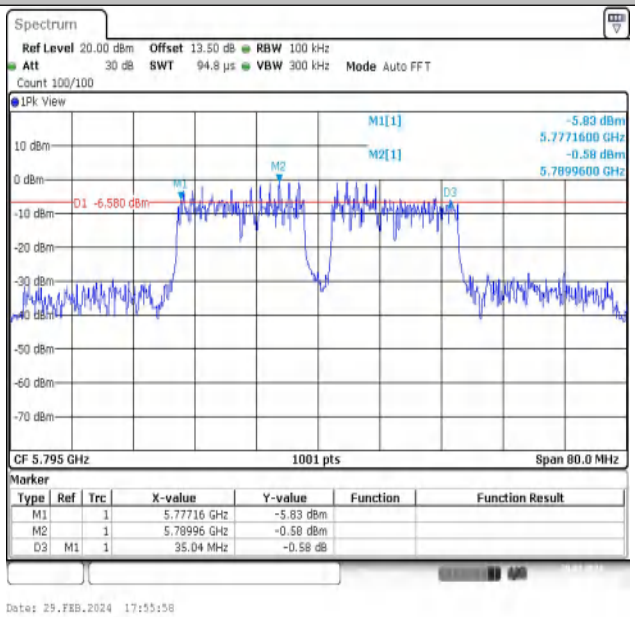
11N40MIMO-Ant1-5755-PASS



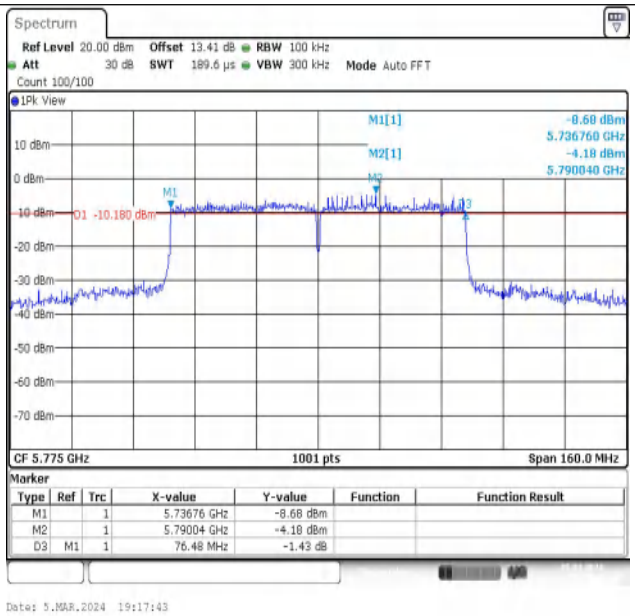
11N40MIMO-Ant2-5755-PASS



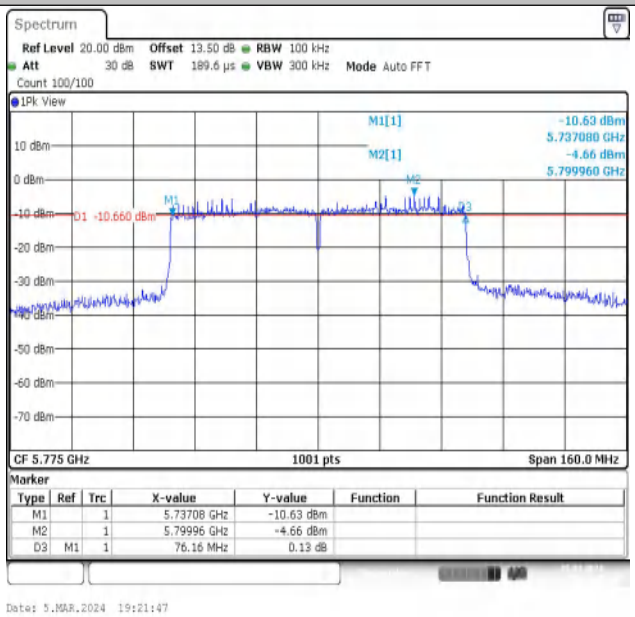
11N40MIMO-Ant1-5795-PASS



11N40MIMO-Ant2-5795-PASS



11AC80MIMO-Ant1-5775-PASS



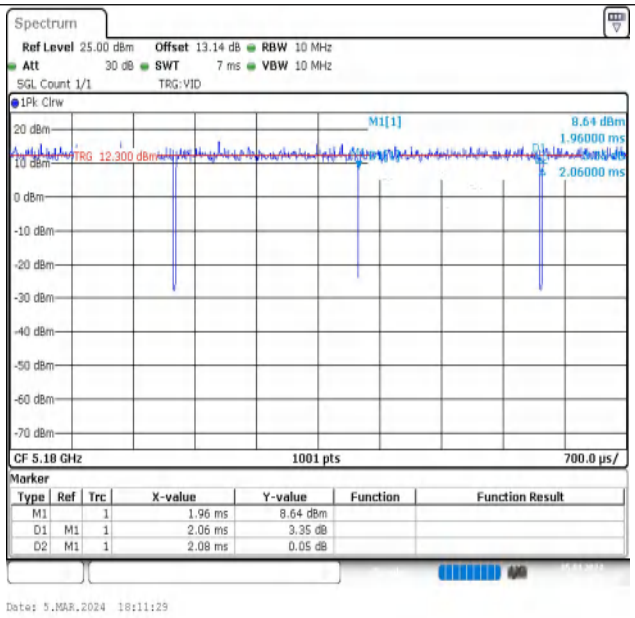
11AC80MIMO-Ant2-5775-PASS

Appendix B: Duty Cycle

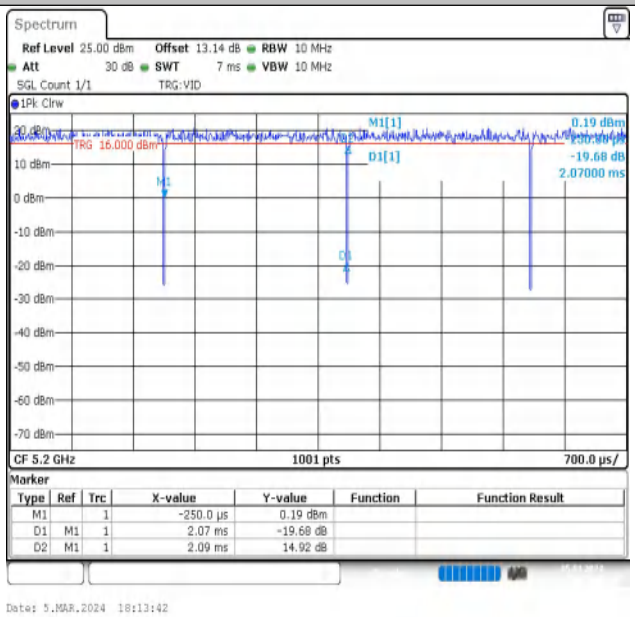
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	2.06	2.08	99.04
11A	Ant1	5200	2.07	2.09	99.04
11A	Ant1	5240	2.06	2.09	98.56
11A	Ant1	5745	2.06	2.08	99.04
11A	Ant1	5785	2.06	2.08	99.04
11A	Ant1	5825	2.06	2.08	99.04
11A	Ant2	5180	2.06	2.08	99.04
11A	Ant2	5200	2.06	2.08	99.04
11A	Ant2	5240	2.07	2.09	99.04
11A	Ant2	5745	2.06	2.08	99.04
11A	Ant2	5785	2.06	2.08	99.04
11A	Ant2	5825	2.06	2.08	99.04
11N20MIMO	Ant2	5200	1.92	1.94	98.97
11N20MIMO	Ant1	5240	1.92	1.94	98.97
11N20MIMO	Ant2	5240	1.92	1.94	98.97
11N20MIMO	Ant1	5745	1.92	1.94	98.97
11N20MIMO	Ant2	5745	1.92	1.94	98.97
11N20MIMO	Ant1	5785	1.92	1.94	98.97
11N20MIMO	Ant2	5785	1.91	1.94	98.45
11N20MIMO	Ant1	5825	1.92	1.94	98.97
11N20MIMO	Ant2	5825	1.92	1.94	98.97
11N40MIMO	Ant1	5190	1.54	1.56	98.72
11N40MIMO	Ant2	5190	1.54	1.56	98.72
11N20MIMO	Ant1	5180	1.93	1.94	99.48
11N20MIMO	Ant2	5180	1.92	1.94	98.97
11N20MIMO	Ant1	5200	1.92	1.94	98.97
11N40MIMO	Ant1	5230	1.53	1.56	98.08
11N40MIMO	Ant2	5230	1.54	1.56	98.72
11N40MIMO	Ant1	5755	1.54	1.56	98.72
11N40MIMO	Ant2	5755	1.53	1.55	98.71
11N40MIMO	Ant1	5795	1.53	1.55	98.71
11N40MIMO	Ant2	5795	1.53	1.55	98.71
11AC80MIMO	Ant1	5210	1.93	1.95	98.97
11AC80MIMO	Ant2	5210	2.24	2.26	99.12
11AC80MIMO	Ant1	5775	2.24	2.26	99.12
11AC80MIMO	Ant2	5775	2.24	2.26	99.12

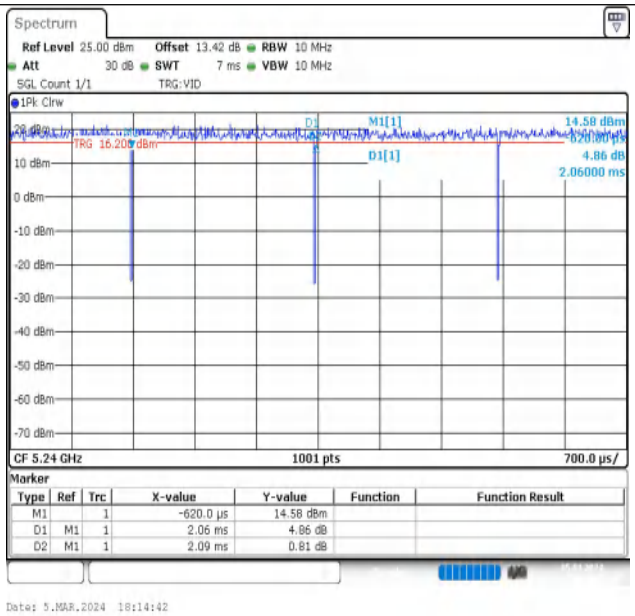
Test Graphs



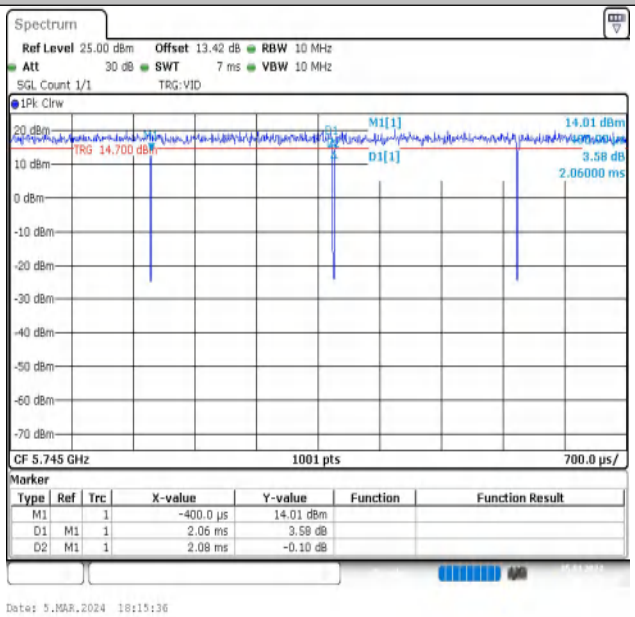
NTNV-11A-Ant1-5180



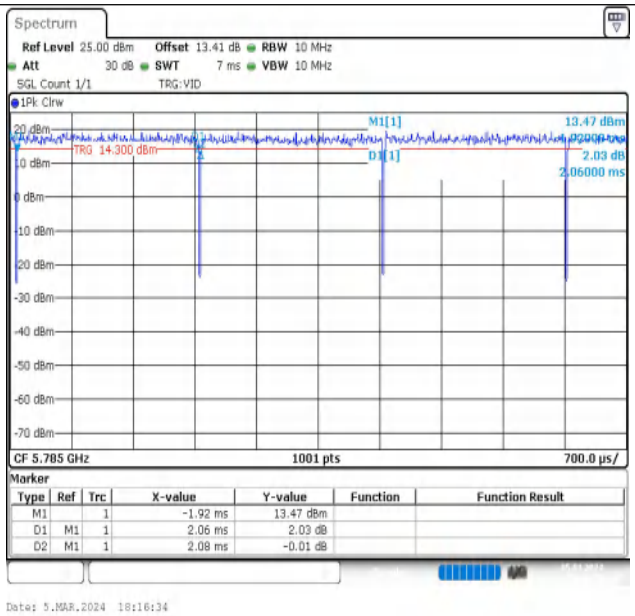
NTNV-11A-Ant1-5200



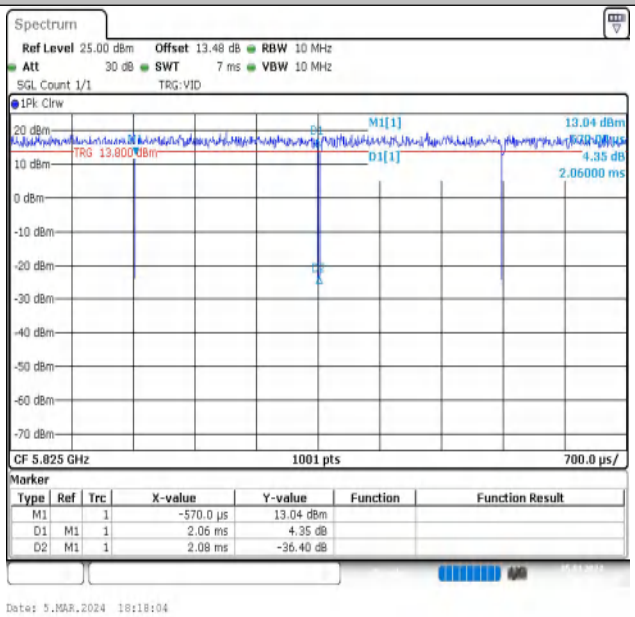
NTNV-11A-Ant1-5240



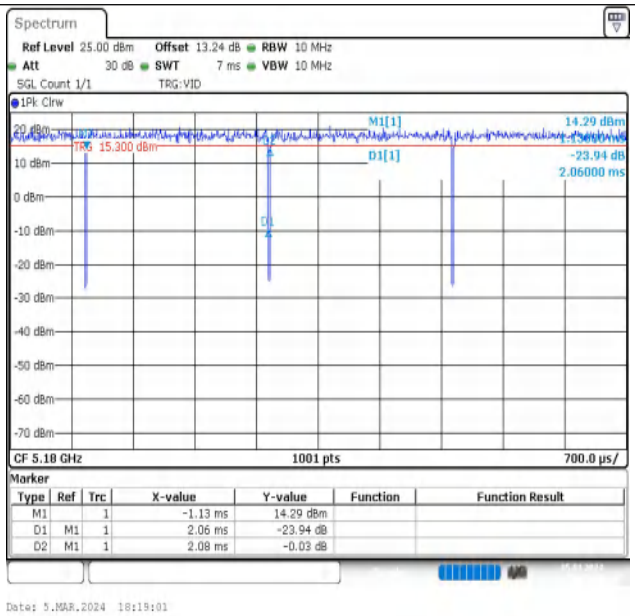
NTNV-11A-Ant1-5745



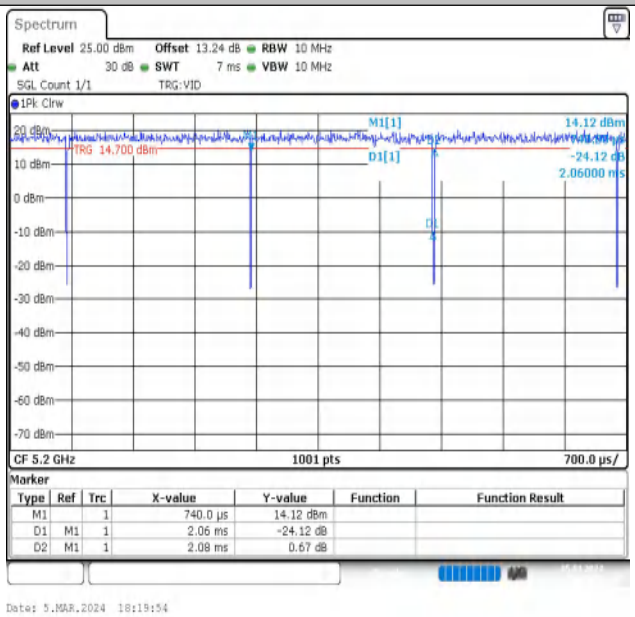
NTNV-11A-Ant1-5785



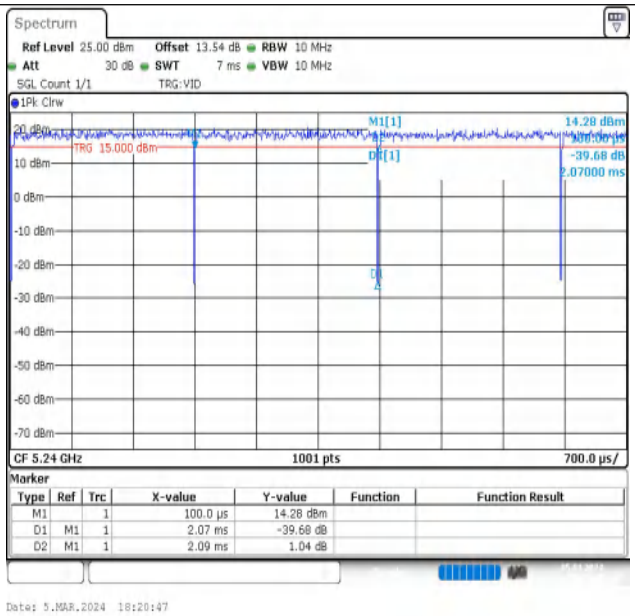
NTNV-11A-Ant1-5825



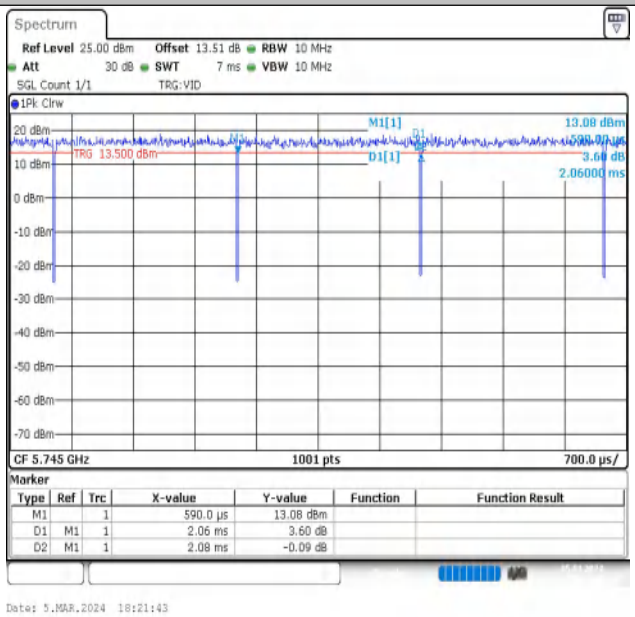
NTNV-11A-Ant2-5180



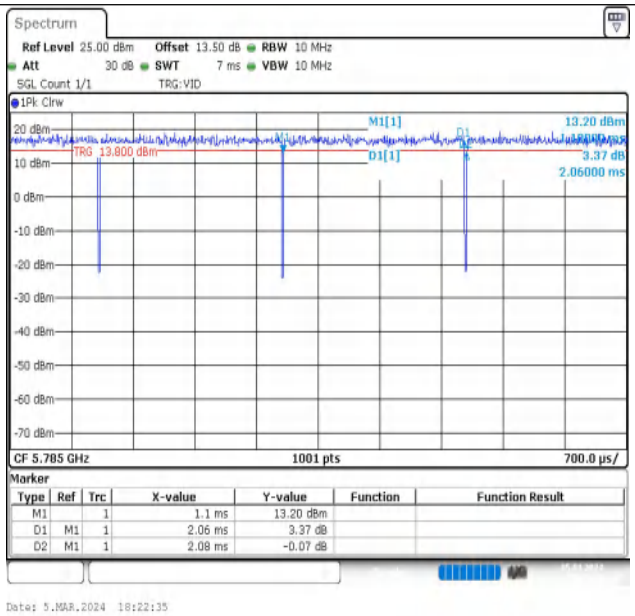
NTNV-11A-Ant2-5200



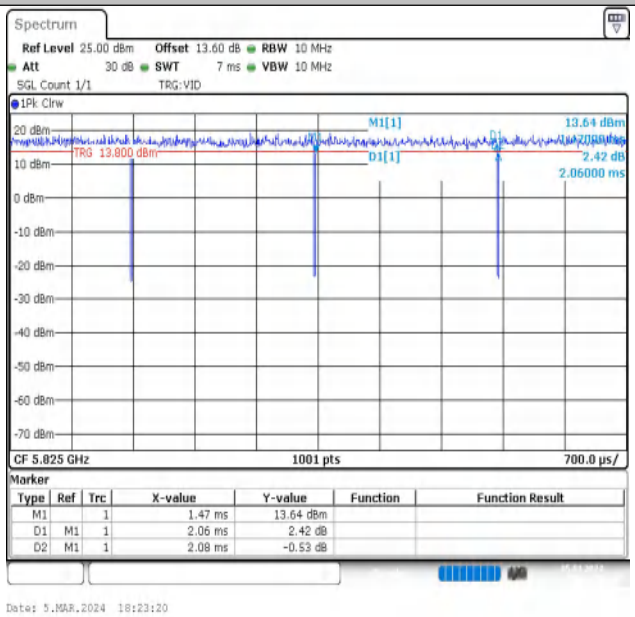
NTNV-11A-Ant2-5240



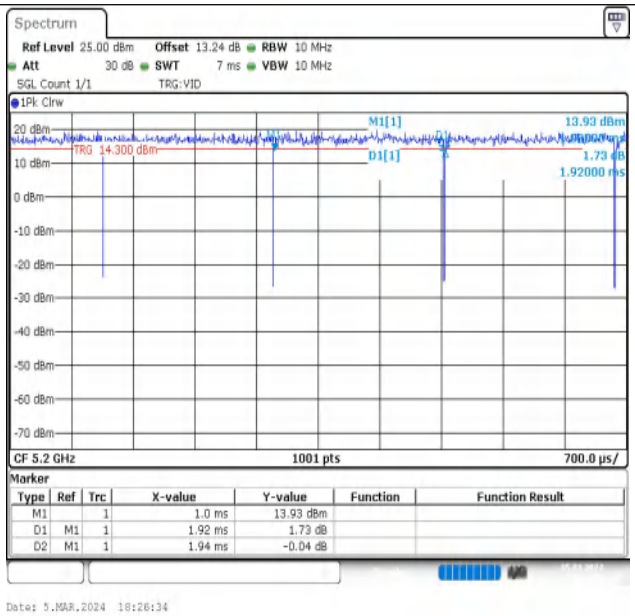
NTNV-11A-Ant2-5745



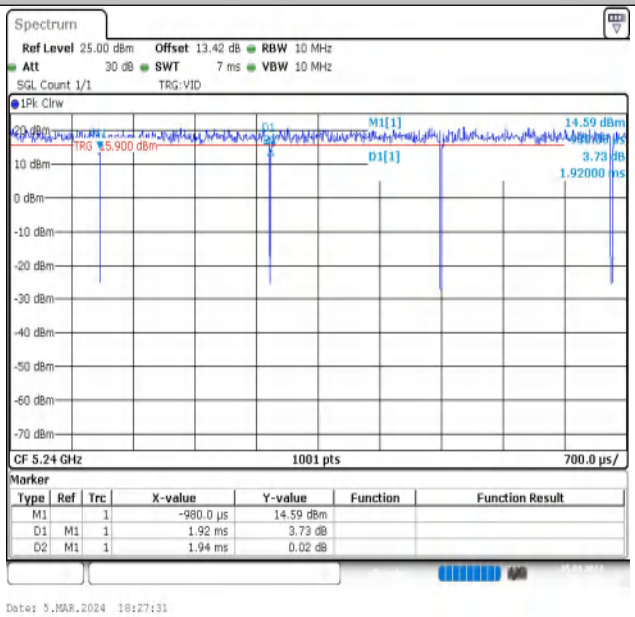
NTNV-11A-Ant2-5785



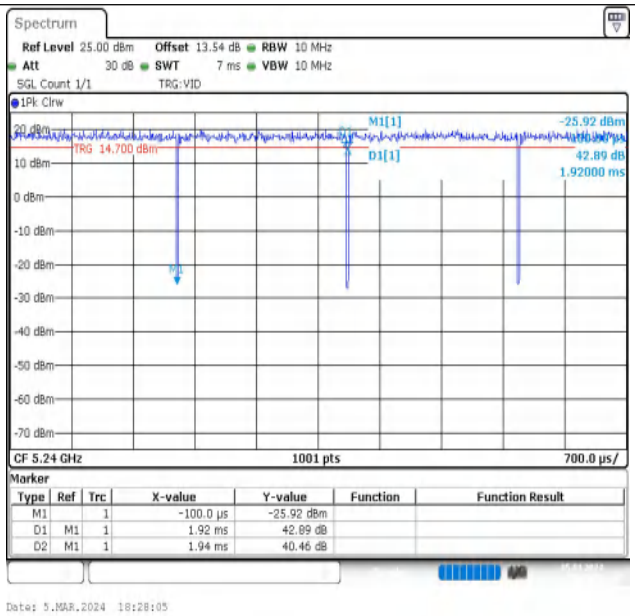
NTNV-11A-Ant2-5825



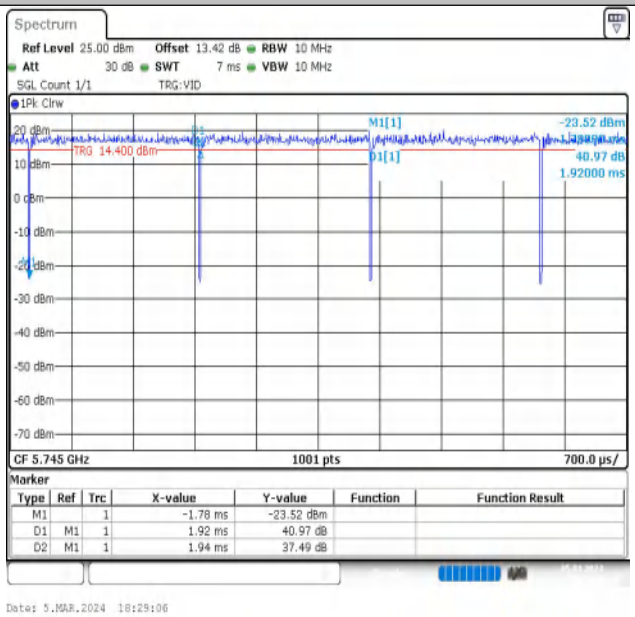
NTNV-11N20MIMO-Ant2-5200



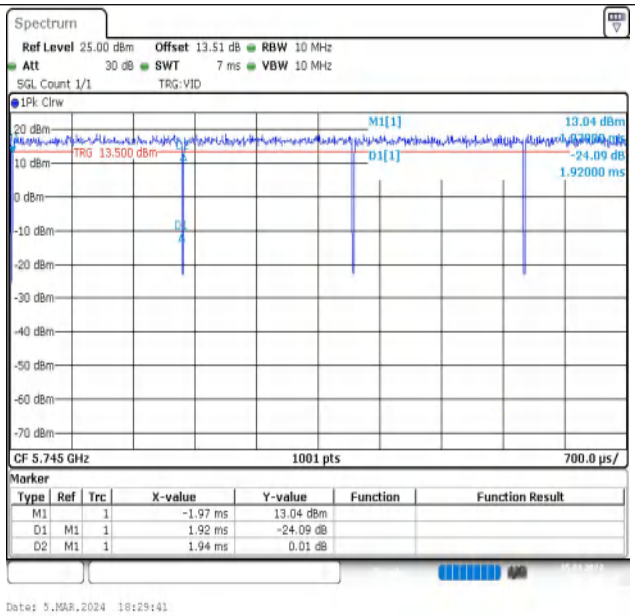
NTNV-11N20MIMO-Ant1-5240



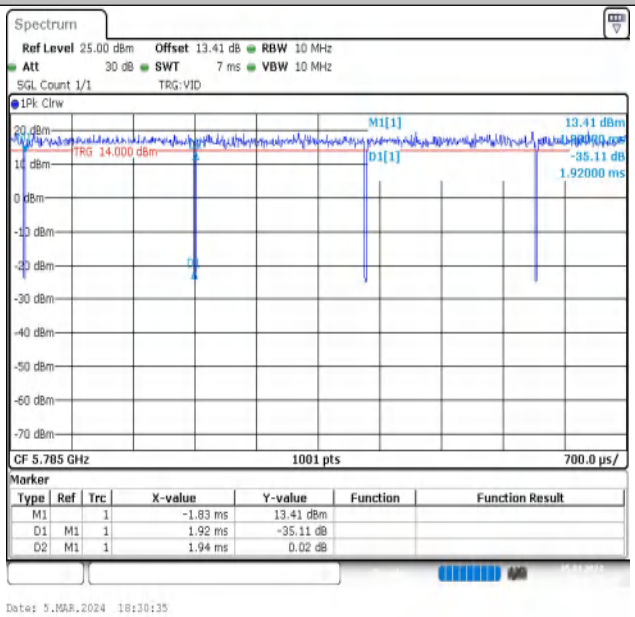
NTNV-11N20MIMO-Ant2-5240



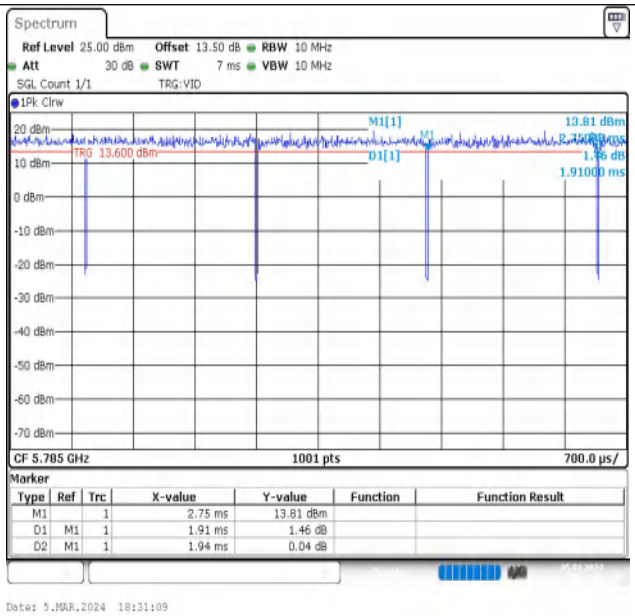
NTNV-11N20MIMO-Ant1-5745



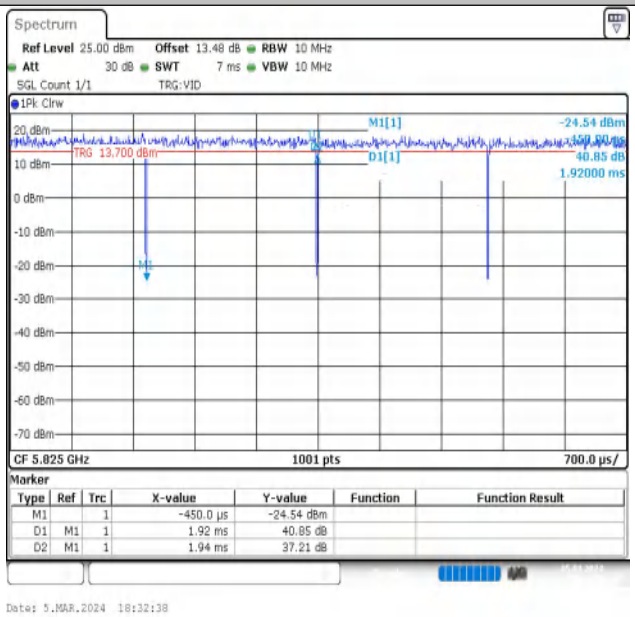
NTNV-11N20MIMO-Ant2-5745



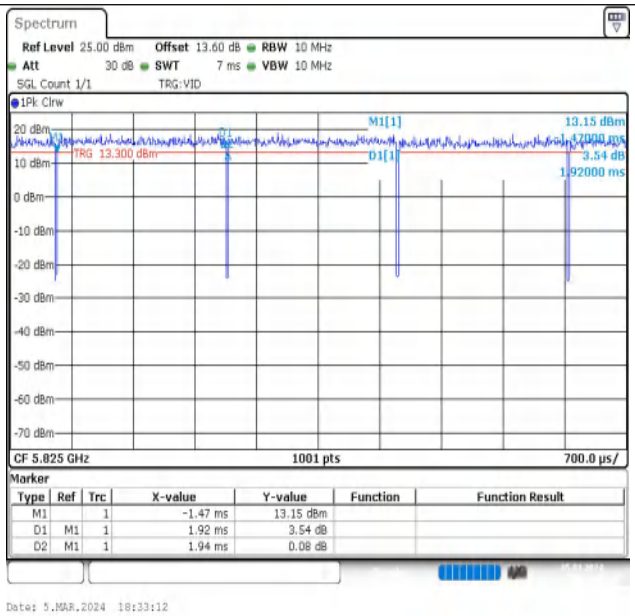
NTNV-11N20MIMO-Ant1-5785



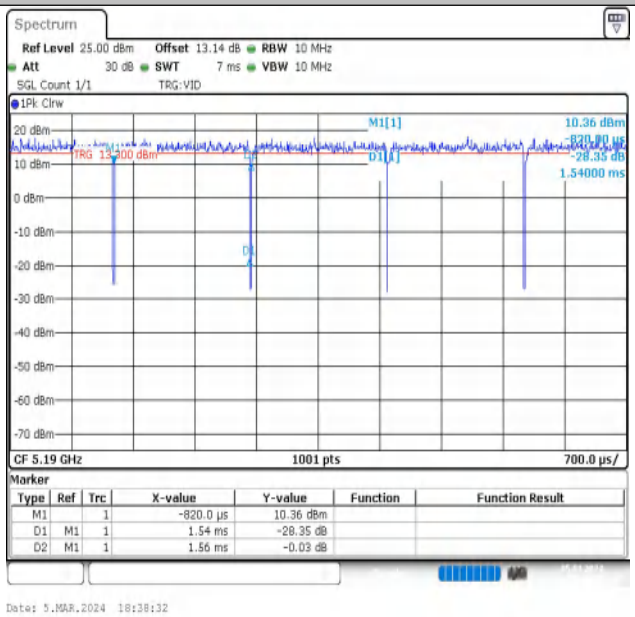
NTNV-11N20MIMO-Ant2-5785



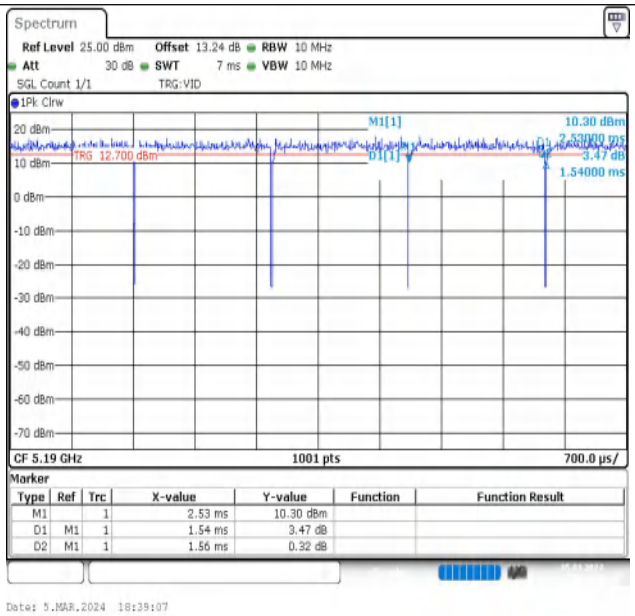
NTNV-11N20MIMO-Ant1-5825



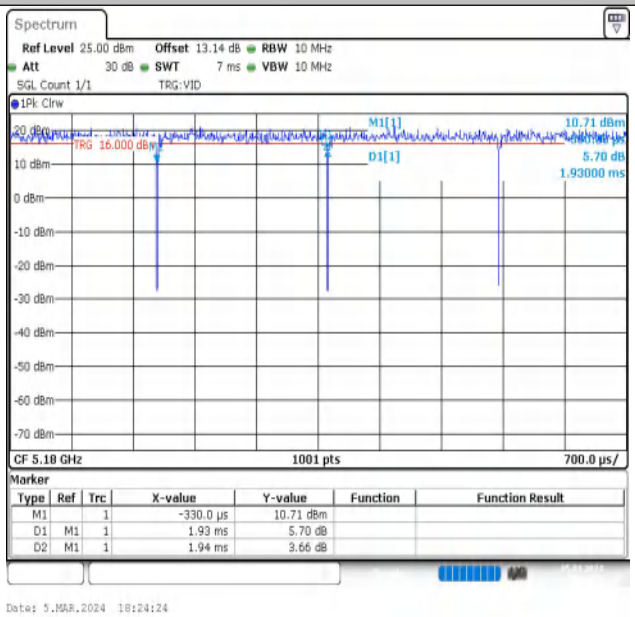
NTNV-11N20MIMO-Ant2-5825



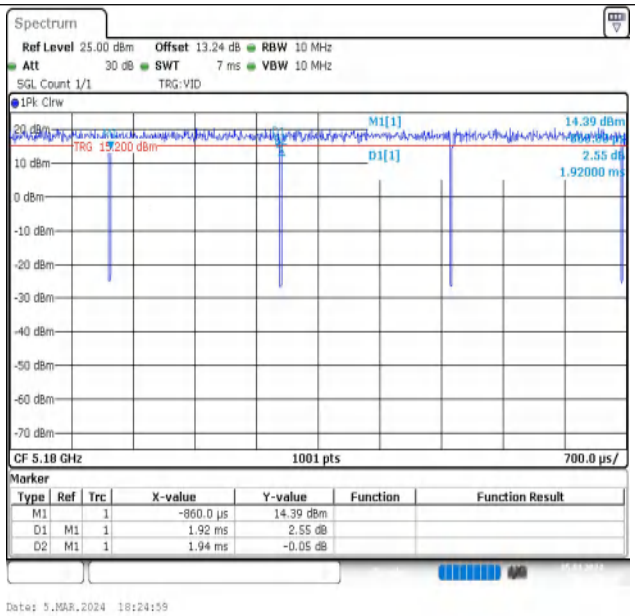
NTNV-11N40MIMO-Ant1-5190



NTNV-11N40MIMO-Ant2-5190



NTNV-11N20MIMO-Ant1-5180



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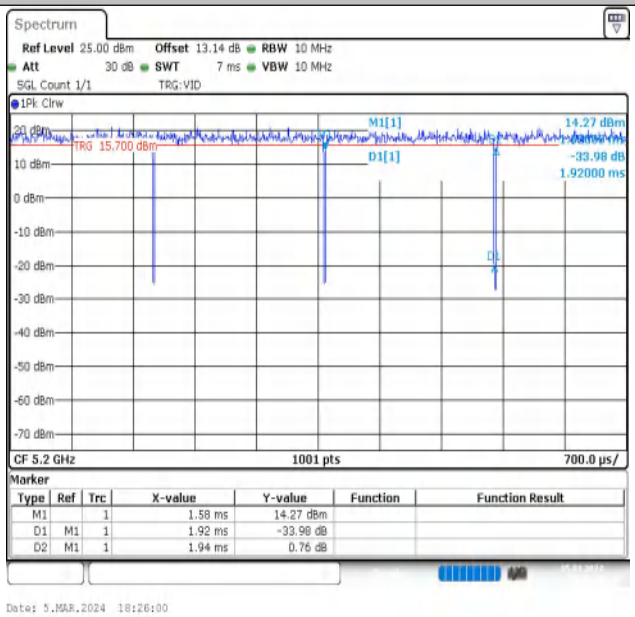
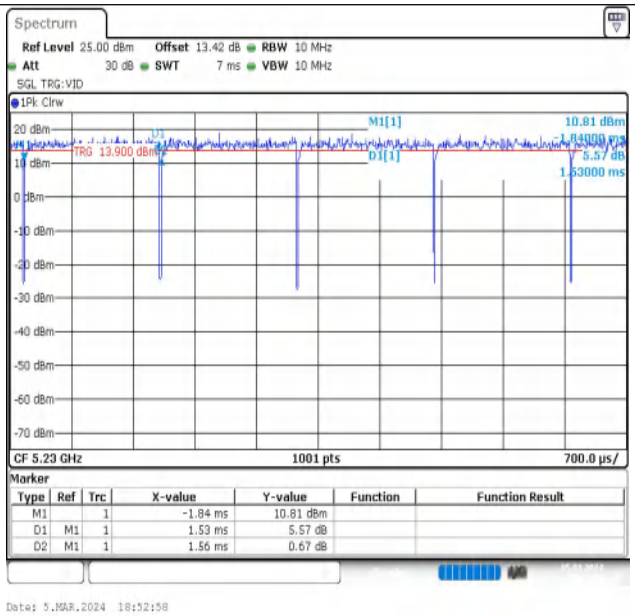
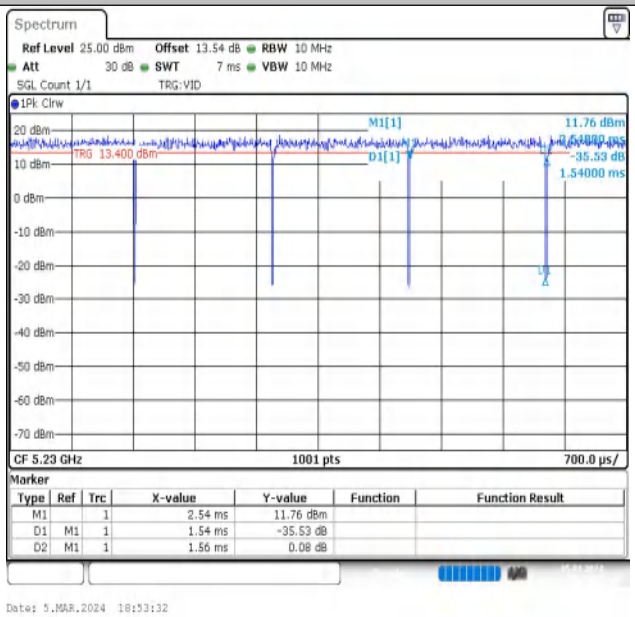


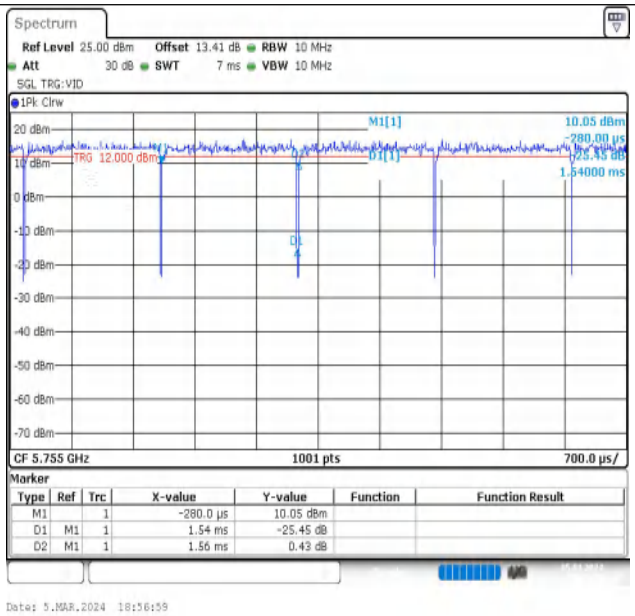
NTNV-11N20MIMO-Ant1-5200



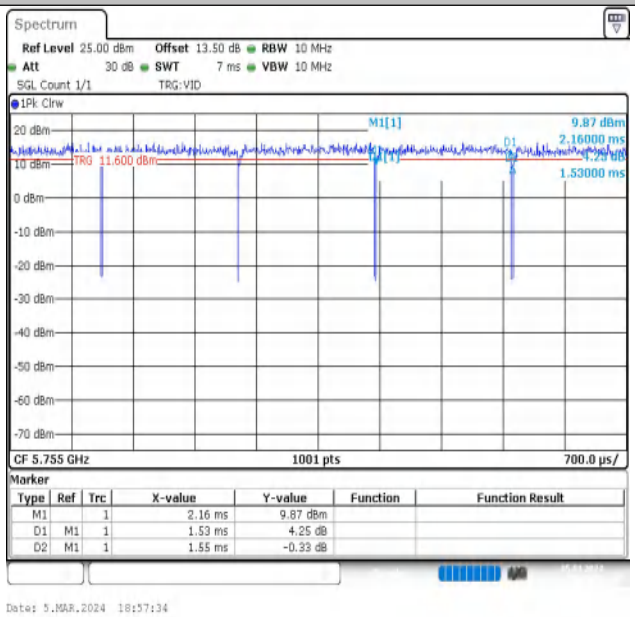
NTNV-11N40MIMO-Ant1-5230



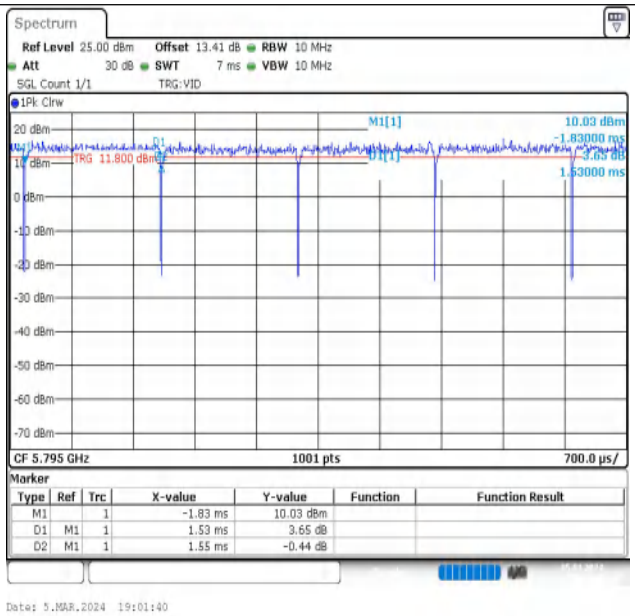
NTNV-11N40MIMO-Ant2-5230



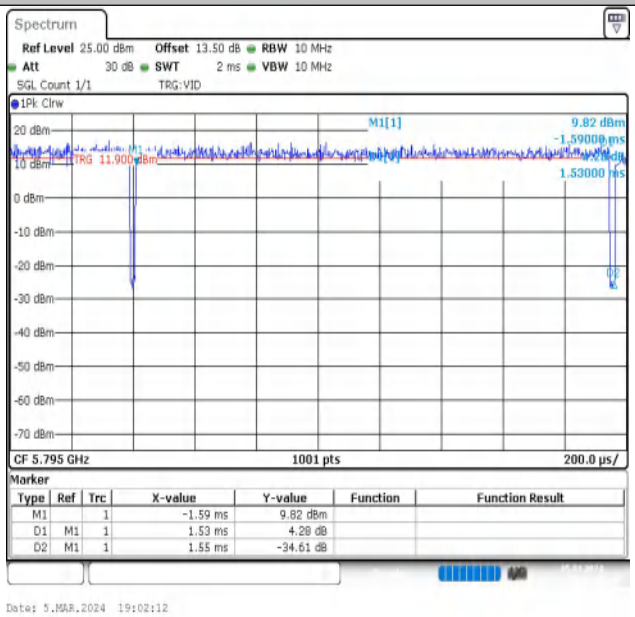
NTNV-11N40MIMO-Ant1-5755



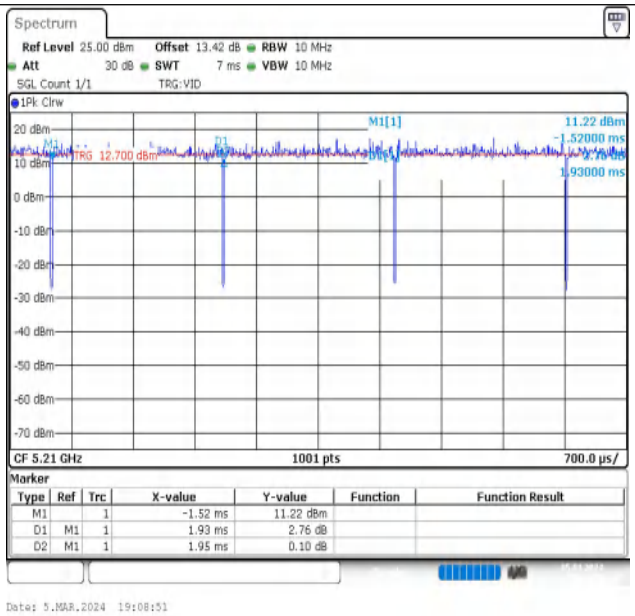
NTNV-11N40MIMO-Ant2-5755



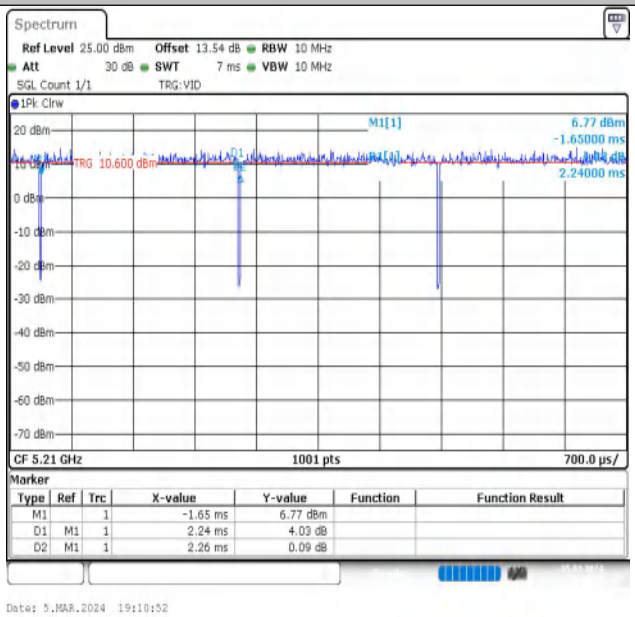
NTNV-11N40MIMO-Ant1-5795



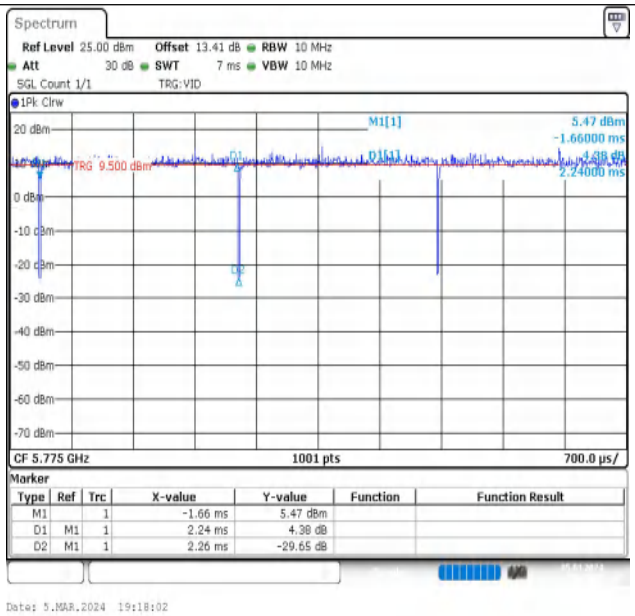
NTNV-11N40MIMO-Ant2-5795



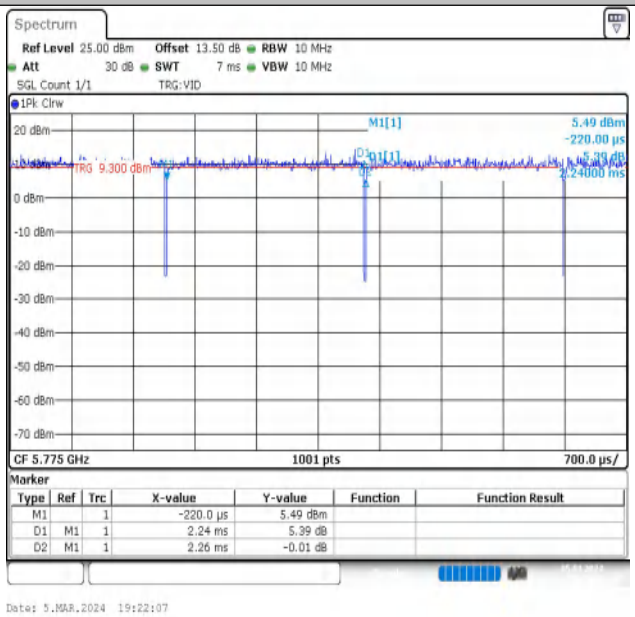
NTNV-11AC80MIMO-Ant1-5210



NTNV-11AC80MIMO-Ant2-5210



NTNV-11AC80MIMO-Ant1-5775



NTNV-11AC80MIMO-Ant2-5775

Appendix C: Maximum conducted output power

Test Result

No Beamforming Mode

Test Mode	Antenna	Frequency[MHz]	Set Power	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	---	13.37	99.04	0.04	13.41	≤23.98	PASS
11A	Ant1	5200	---	13.10	99.04	0.04	13.14	≤23.98	PASS
11A	Ant1	5240	---	13.44	98.56	0.06	13.50	≤23.98	PASS
11A	Ant1	5745	---	12.76	99.04	0.04	12.80	≤30.00	PASS
11A	Ant1	5785	---	12.21	99.04	0.04	12.25	≤30.00	PASS
11A	Ant1	5825	---	11.83	99.04	0.04	11.87	≤30.00	PASS
11A	Ant2	5180	---	13.10	99.04	0.04	13.14	≤23.98	PASS
11A	Ant2	5200	---	12.81	99.04	0.04	12.85	≤23.98	PASS
11A	Ant2	5240	---	13.34	99.04	0.04	13.38	≤23.98	PASS
11A	Ant2	5745	---	11.81	99.04	0.04	11.85	≤30.00	PASS
11A	Ant2	5785	---	11.95	99.04	0.04	11.99	≤30.00	PASS
11A	Ant2	5825	---	11.87	99.04	0.04	11.91	≤30.00	PASS
11N20MIMO	Ant1	5180	---	13.25	99.48	0.02	13.27	≤23.98	PASS
11N20MIMO	Ant2	5180	---	13.10	98.97	0.04	13.14	≤23.98	PASS
11N20MIMO	total	5180	---	---	---	---	16.22	≤23.98	PASS
11N20MIMO	Ant1	5200	---	13.01	98.97	0.04	13.05	≤23.98	PASS
11N20MIMO	Ant2	5200	---	12.55	98.97	0.04	12.59	≤23.98	PASS
11N20MIMO	total	5200	---	---	---	---	15.84	≤23.98	PASS
11N20MIMO	Ant1	5240	---	13.29	98.97	0.04	13.33	≤23.98	PASS
11N20MIMO	Ant2	5240	---	13.18	98.97	0.04	13.22	≤23.98	PASS
11N20MIMO	total	5240	---	---	---	---	16.29	≤23.98	PASS
11N20MIMO	Ant1	5745	---	12.62	98.97	0.04	12.66	≤30.00	PASS
11N20MIMO	Ant2	5745	---	11.84	98.97	0.04	11.88	≤30.00	PASS
11N20MIMO	total	5745	---	---	---	---	15.30	≤30.00	PASS

11N20MIMO	Ant1	5785	---	12.09	98.97	0.04	12.13	≤30.00	PASS
11N20MIMO	Ant2	5785	---	11.77	98.45	0.07	11.84	≤30.00	PASS
11N20MIMO	total	5785	---	---	---	---	15.00	≤30.00	PASS
11N20MIMO	Ant1	5825	---	11.84	98.97	0.04	11.88	≤30.00	PASS
11N20MIMO	Ant2	5825	---	11.68	98.97	0.04	11.72	≤30.00	PASS
11N20MIMO	total	5825	---	---	---	---	14.81	≤30.00	PASS
11N40MIMO	Ant1	5190	---	13.43	98.72	0.06	13.49	≤23.98	PASS
11N40MIMO	Ant2	5190	---	13.54	98.72	0.06	13.60	≤23.98	PASS
11N40MIMO	total	5190	---	---	---	---	16.56	≤23.98	PASS
11N40MIMO	Ant1	5230	---	13.78	98.08	0.08	13.86	≤23.98	PASS
11N40MIMO	Ant2	5230	---	14.40	98.72	0.06	14.46	≤23.98	PASS
11N40MIMO	total	5230	---	---	---	---	17.18	≤23.98	PASS
11N40MIMO	Ant1	5755	---	13.19	98.72	0.06	13.25	≤30.00	PASS
11N40MIMO	Ant2	5755	---	12.64	98.71	0.06	12.70	≤30.00	PASS
11N40MIMO	total	5755	---	---	---	---	15.99	≤30.00	PASS
11N40MIMO	Ant1	5795	---	12.67	98.71	0.06	12.73	≤30.00	PASS
11N40MIMO	Ant2	5795	---	12.79	98.71	0.06	12.85	≤30.00	PASS
11N40MIMO	total	5795	---	---	---	---	15.80	≤30.00	PASS
11AC80MIMO	Ant1	5210	---	13.92	98.97	0.04	13.96	≤23.98	PASS
11AC80MIMO	Ant2	5210	---	13.73	99.12	0.04	13.77	≤23.98	PASS
11AC80MIMO	total	5210	---	---	---	---	16.88	≤23.98	PASS
11AC80MIMO	Ant1	5775	---	12.64	99.12	0.04	12.68	≤30.00	PASS

11AC80MIMO	Ant2	5775	---	12.37	99.12	0.04	12.41	≤30.00	PASS
11AC80MIMO	total	5775	---	---	---	---	15.56	≤30.00	PASS

Beamforming Mode

Test Mode	Antenna	Frequency[MHz]	Set Power	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11N20MIMO	Ant1	5180	---	13.25	99.48	0.02	13.27	≤23.98	PASS
11N20MIMO	Ant2	5180	---	13.10	98.97	0.04	13.14	≤23.98	PASS
11N20MIMO	total	5180	---	---	---	---	16.22	≤23.98	PASS
11N20MIMO	Ant1	5200	---	13.01	98.97	0.04	13.05	≤23.98	PASS
11N20MIMO	Ant2	5200	---	12.55	98.97	0.04	12.59	≤23.98	PASS
11N20MIMO	total	5200	---	---	---	---	15.84	≤23.98	PASS
11N20MIMO	Ant1	5240	---	13.29	98.97	0.04	13.33	≤23.98	PASS
11N20MIMO	Ant2	5240	---	13.18	98.97	0.04	13.22	≤23.98	PASS
11N20MIMO	total	5240	---	---	---	---	16.29	≤23.98	PASS
11N20MIMO	Ant1	5745	---	12.62	98.97	0.04	12.66	≤30.00	PASS
11N20MIMO	Ant2	5745	---	11.84	98.97	0.04	11.88	≤30.00	PASS
11N20MIMO	total	5745	---	---	---	---	15.30	≤30.00	PASS
11N20MIMO	Ant1	5785	---	12.09	98.97	0.04	12.13	≤30.00	PASS
11N20MIMO	Ant2	5785	---	11.77	98.45	0.07	11.84	≤30.00	PASS
11N20MIMO	total	5785	---	---	---	---	15.00	≤30.00	PASS
11N20MIMO	Ant1	5825	---	11.84	98.97	0.04	11.88	≤30.00	PASS
11N20MIMO	Ant2	5825	---	11.68	98.97	0.04	11.72	≤30.00	PASS

11N20MIMO	total	5825	---	---	---	---	14.81	≤30.00	PASS
11N40MIMO	Ant1	5190	---	13.43	98.72	0.06	13.49	≤23.98	PASS
11N40MIMO	Ant2	5190	---	13.54	98.72	0.06	13.60	≤23.98	PASS
11N40MIMO	total	5190	---	---	---	---	16.56	≤23.98	PASS
11N40MIMO	Ant1	5230	---	13.78	98.08	0.08	13.86	≤23.98	PASS
11N40MIMO	Ant2	5230	---	14.40	98.72	0.06	14.46	≤23.98	PASS
11N40MIMO	total	5230	---	---	---	---	17.18	≤23.98	PASS
11N40MIMO	Ant1	5755	---	13.19	98.72	0.06	13.25	≤30.00	PASS
11N40MIMO	Ant2	5755	---	12.64	98.71	0.06	12.70	≤30.00	PASS
11N40MIMO	total	5755	---	---	---	---	15.99	≤30.00	PASS
11N40MIMO	Ant1	5795	---	12.67	98.71	0.06	12.73	≤30.00	PASS
11N40MIMO	Ant2	5795	---	12.79	98.71	0.06	12.85	≤30.00	PASS
11N40MIMO	total	5795	---	---	---	---	15.80	≤30.00	PASS
11AC80MIMO	Ant1	5210	---	13.92	98.97	0.04	13.96	≤23.98	PASS
11AC80MIMO	Ant2	5210	---	13.73	99.12	0.04	13.77	≤23.98	PASS
11AC80MIMO	total	5210	---	---	---	---	16.88	≤23.98	PASS
11AC80MIMO	Ant1	5775	---	12.64	99.12	0.04	12.68	≤30.00	PASS
11AC80MIMO	Ant2	5775	---	12.37	99.12	0.04	12.41	≤30.00	PASS
11AC80MIMO	total	5775	---	---	---	---	15.56	≤30.00	PASS

Note：The Duty Cycle Factor is compensated in the graph.

Appendix D: Maximum power spectral density

Test Result

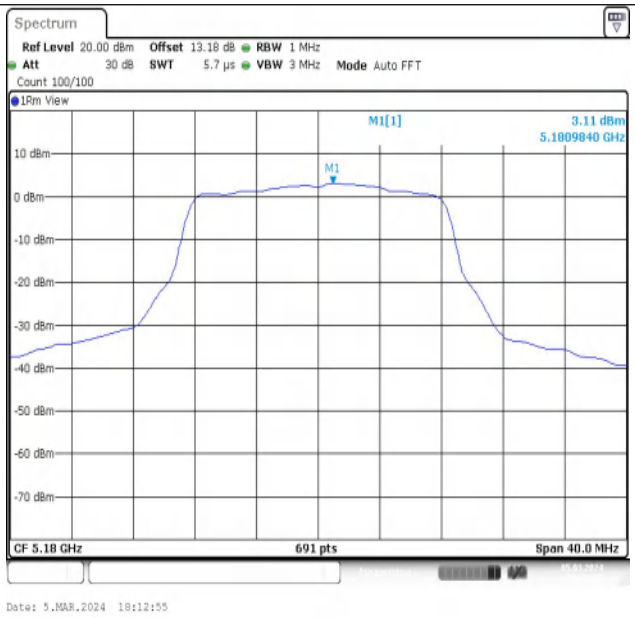
TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	3.11	≤11.00	PASS
11A	Ant1	5200	2.99	≤11.00	PASS
11A	Ant1	5240	3.45	≤11.00	PASS
11A	Ant1	5745	0.09	≤30.00	PASS
11A	Ant1	5785	-0.44	≤30.00	PASS
11A	Ant1	5825	-1.12	≤30.00	PASS
11A	Ant2	5180	3.12	≤11.00	PASS
11A	Ant2	5200	2.83	≤11.00	PASS
11A	Ant2	5240	3.39	≤11.00	PASS
11A	Ant2	5745	-1.00	≤30.00	PASS
11A	Ant2	5785	-0.94	≤30.00	PASS
11A	Ant2	5825	-1.40	≤30.00	PASS
11N20MIMO	Ant1	5180	3.37	≤11.00	PASS
11N20MIMO	Ant2	5180	3.29	≤11.00	PASS
11N20MIMO	total	5180	6.34	≤11.00	PASS
11N20MIMO	Ant1	5200	2.34	≤11.00	PASS
11N20MIMO	Ant2	5200	2.37	≤11.00	PASS
11N20MIMO	total	5200	5.37	≤11.00	PASS
11N20MIMO	Ant1	5240	3.03	≤11.00	PASS
11N20MIMO	Ant2	5240	2.66	≤11.00	PASS
11N20MIMO	total	5240	5.86	≤11.00	PASS
11N20MIMO	Ant1	5745	-0.56	≤30.00	PASS
11N20MIMO	Ant2	5745	-1.09	≤30.00	PASS
11N20MIMO	total	5745	2.19	≤30.00	PASS
11N20MIMO	Ant1	5785	-0.61	≤30.00	PASS
11N20MIMO	Ant2	5785	-0.95	≤30.00	PASS
11N20MIMO	total	5785	2.23	≤30.00	PASS
11N20MIMO	Ant1	5825	-1.20	≤30.00	PASS
11N20MIMO	Ant2	5825	-1.33	≤30.00	PASS
11N20MIMO	total	5825	1.75	≤30.00	PASS
11N40MIMO	Ant1	5190	-0.80	≤11.00	PASS
11N40MIMO	Ant2	5190	-0.64	≤11.00	PASS
11N40MIMO	total	5190	2.29	≤11.00	PASS
11N40MIMO	Ant1	5230	-0.32	≤11.00	PASS
11N40MIMO	Ant2	5230	0.39	≤11.00	PASS
11N40MIMO	total	5230	3.06	≤11.00	PASS
11N40MIMO	Ant1	5755	-4.07	≤30.00	PASS
11N40MIMO	Ant2	5755	-4.55	≤30.00	PASS

11N40MIMO	total	5755	-1.29	≤30.00	PASS
11N40MIMO	Ant1	5795	-4.20	≤30.00	PASS
11N40MIMO	Ant2	5795	-4.11	≤30.00	PASS
11N40MIMO	total	5795	-1.14	≤30.00	PASS
11AC80MIMO	Ant1	5210	-3.35	≤11.00	PASS
11AC80MIMO	Ant2	5210	-3.74	≤11.00	PASS
11AC80MIMO	total	5210	-0.53	≤11.00	PASS
11AC80MIMO	Ant1	5775	-7.85	≤30.00	PASS
11AC80MIMO	Ant2	5775	-7.88	≤30.00	PASS
11AC80MIMO	total	5775	-4.85	≤30.00	PASS

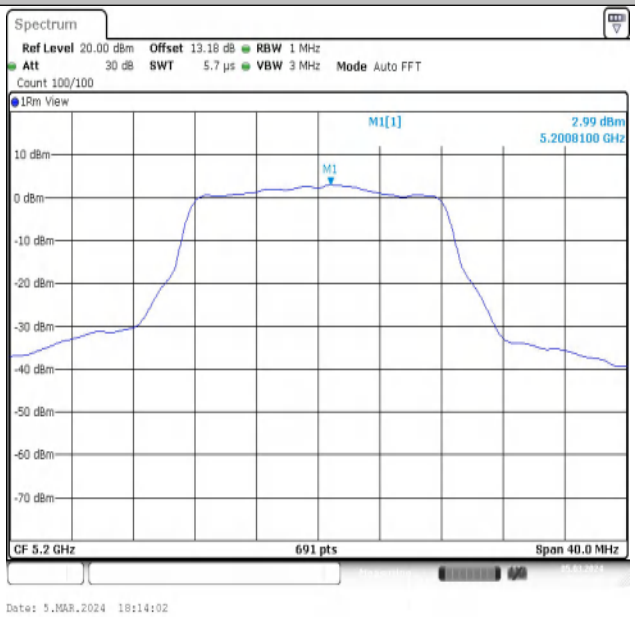
Note：1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

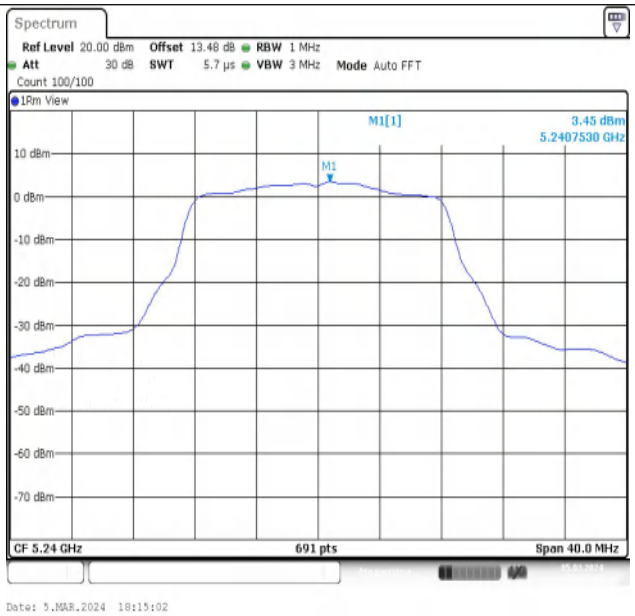
Test Graphs



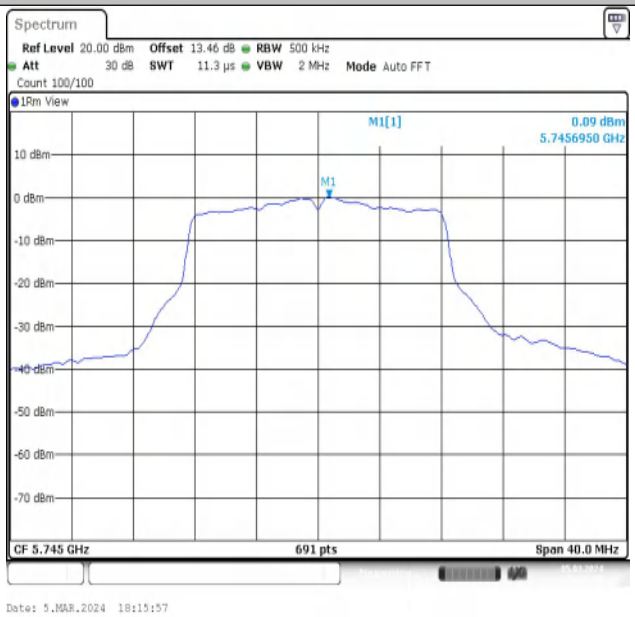
11A-Ant1-5180-PASS



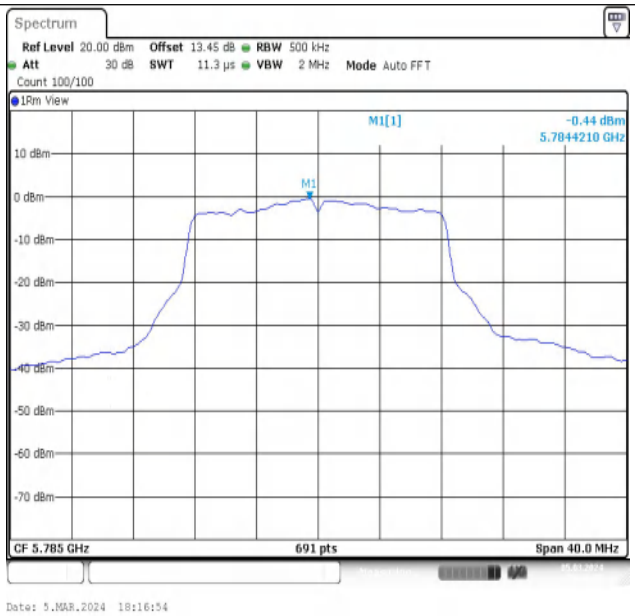
11A-Ant1-5200-PASS



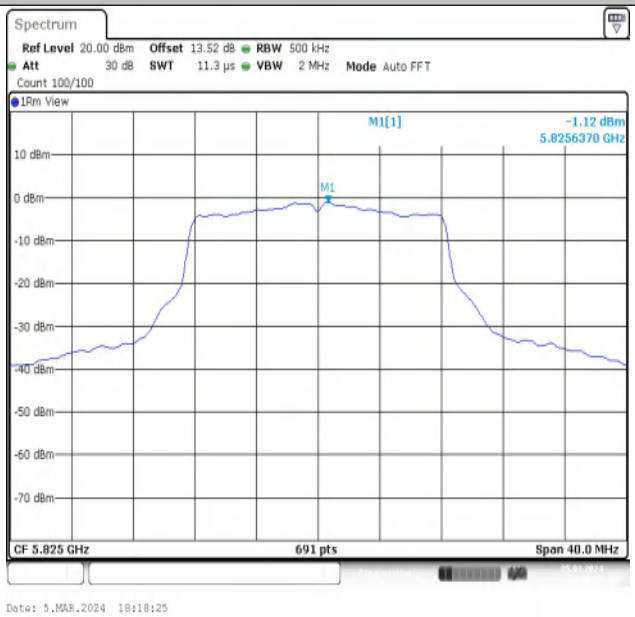
11A-Ant1-5240-PASS



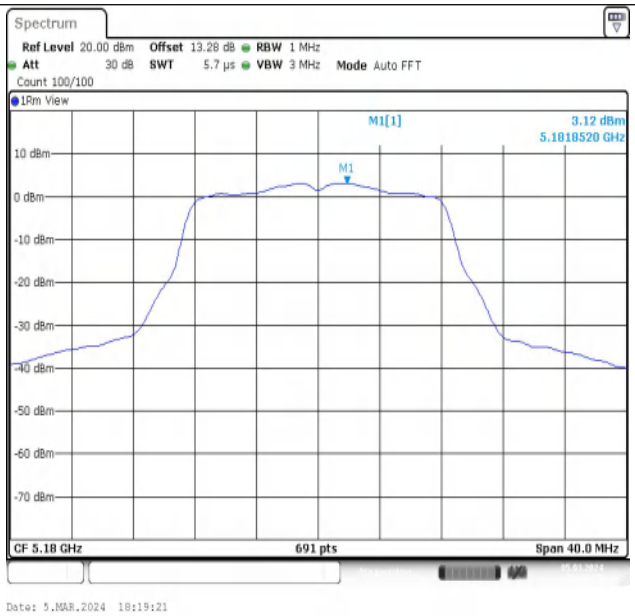
11A-Ant1-5745-PASS



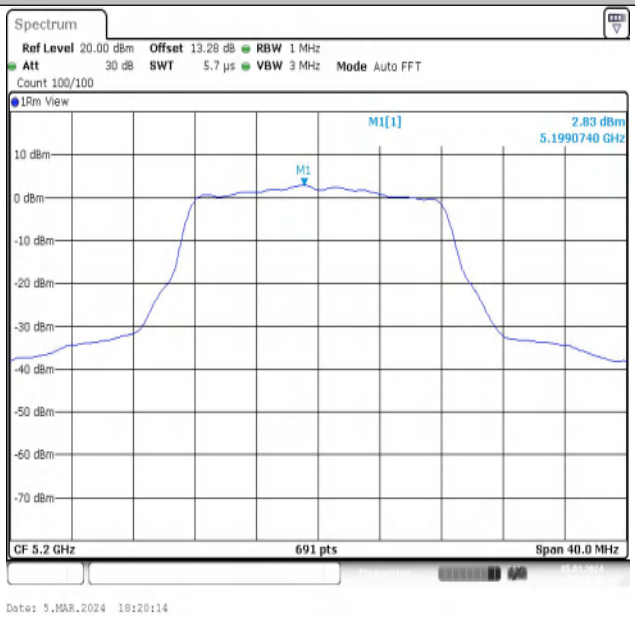
11A-Ant1-5785-PASS



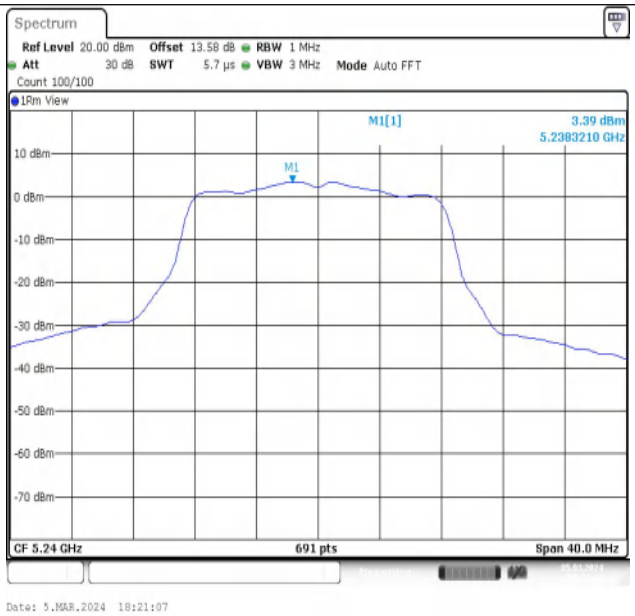
11A-Ant1-5825-PASS



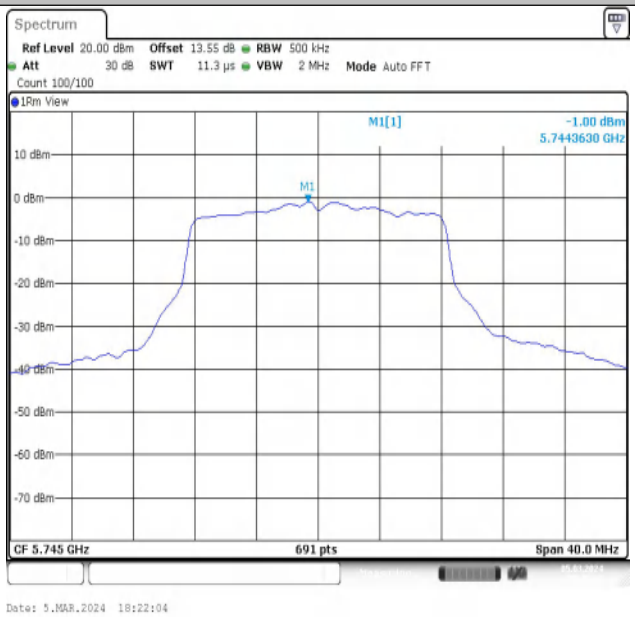
11A-Ant2-5180-PASS



11A-Ant2-5200-PASS



11A-Ant2-5240-PASS



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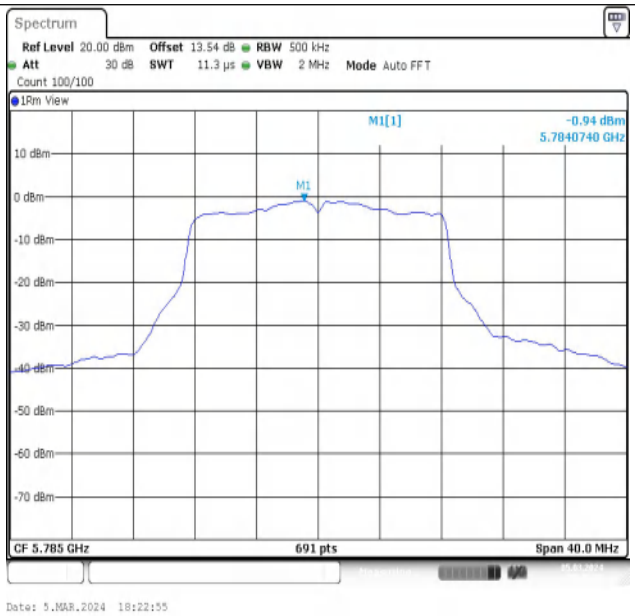

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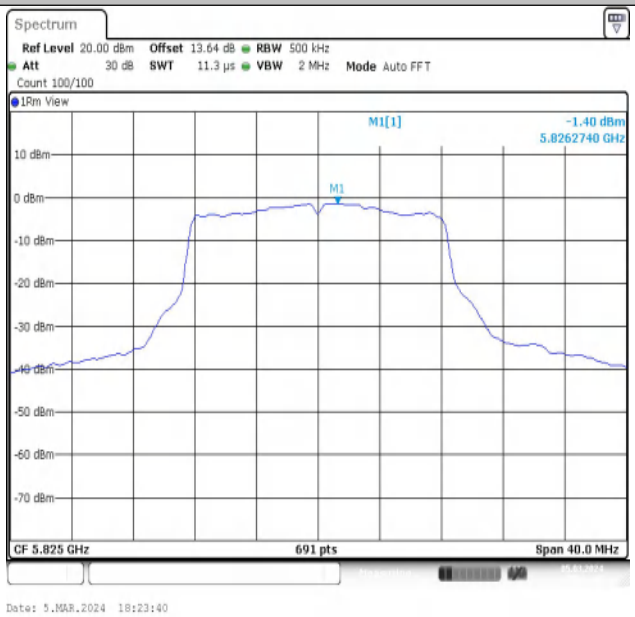
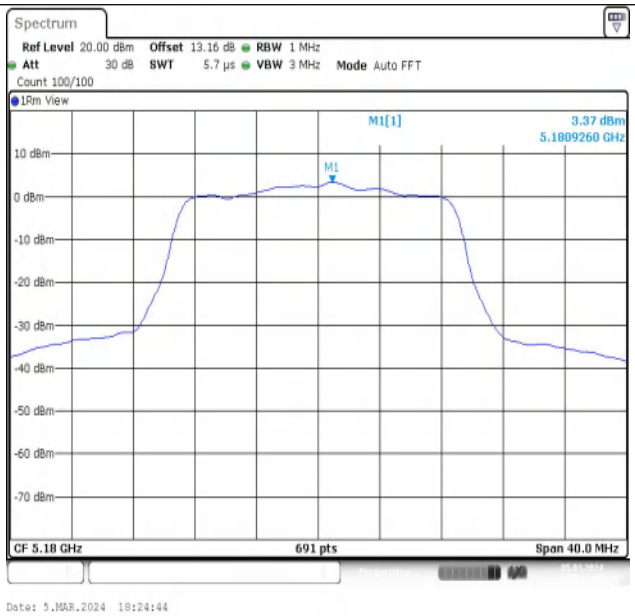
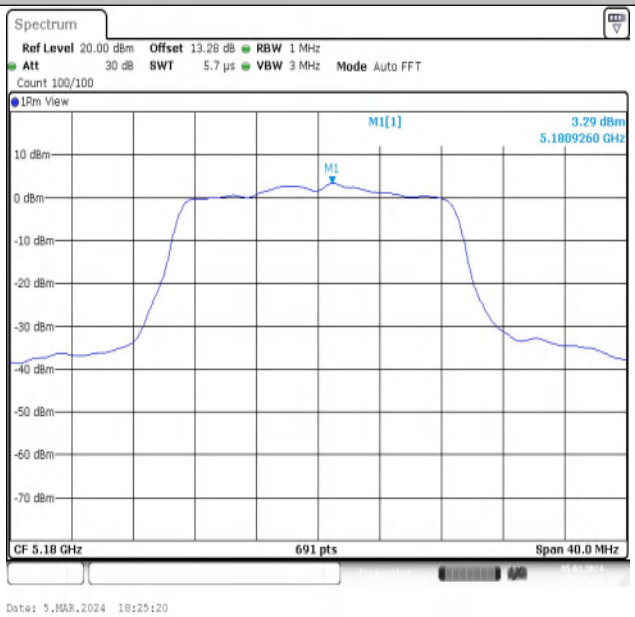


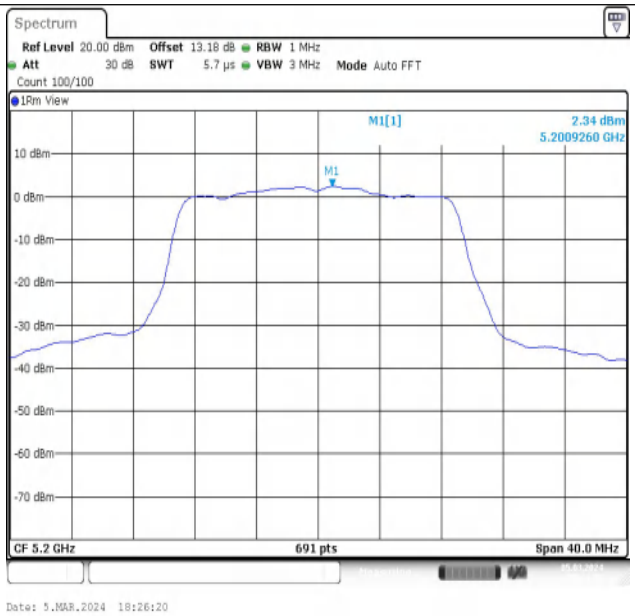
11A-Ant2-5825-PASS



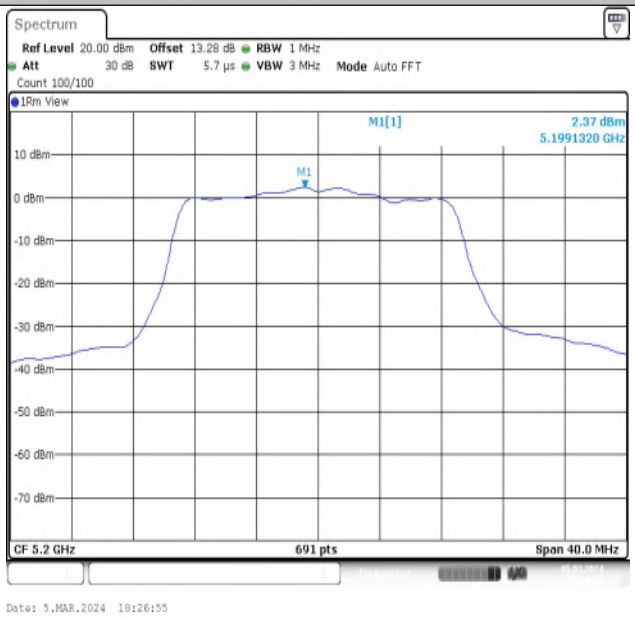
11N20MIMO-Ant1-5180-PASS



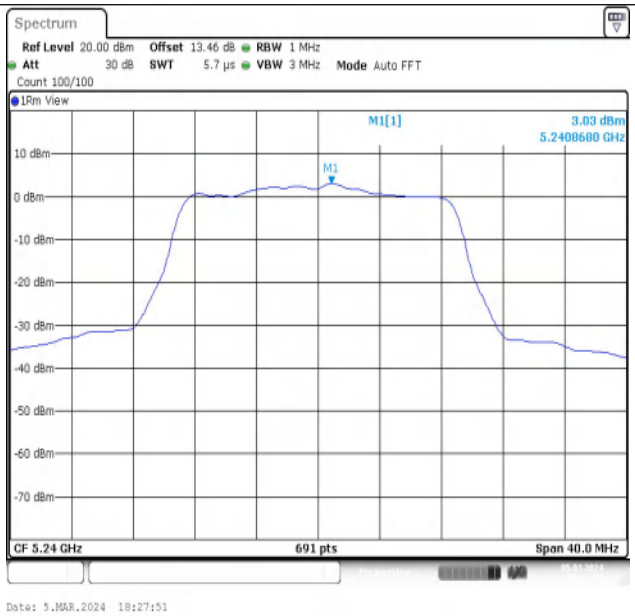
11N20MIMO-Ant2-5180-PASS



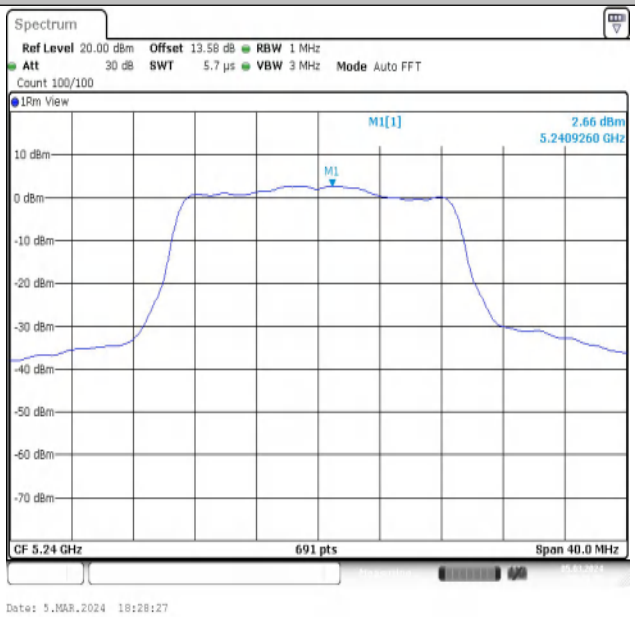
11N20MIMO-Ant1-5200-PASS



11N20MIMO-Ant2-5200-PASS



11N20MIMO-Ant1-5240-PASS



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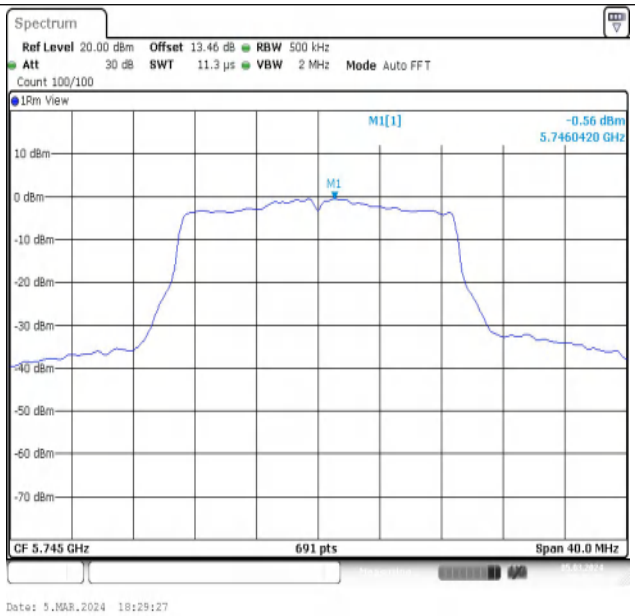
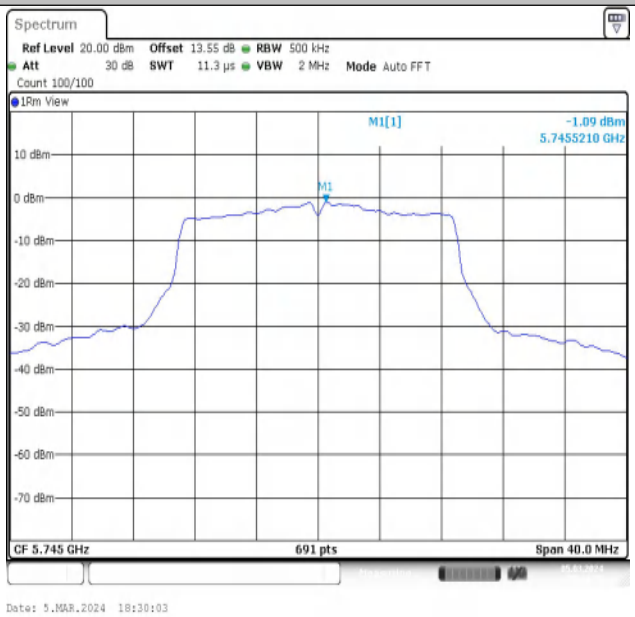
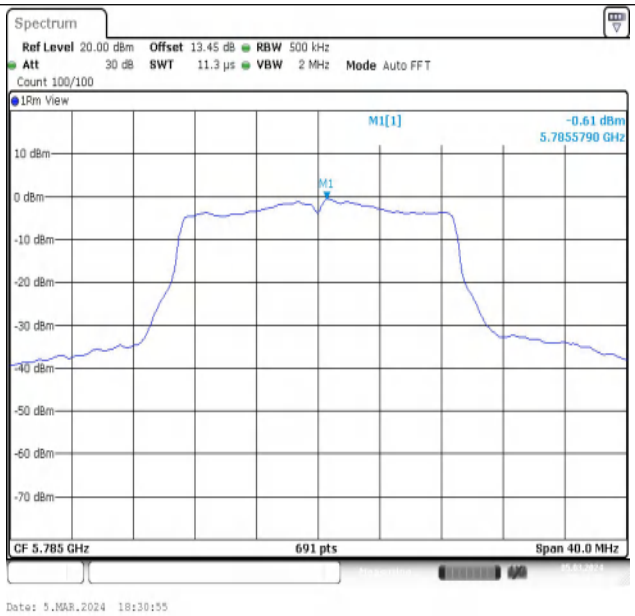


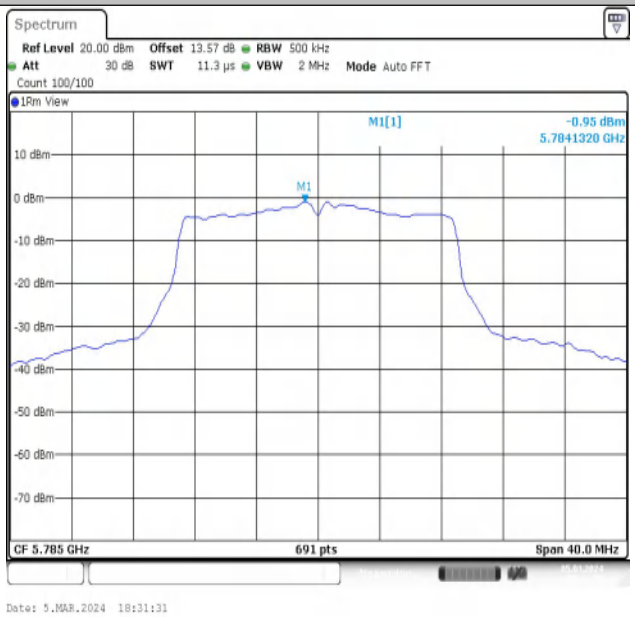
11N20MIMO-Ant1-5745-PASS



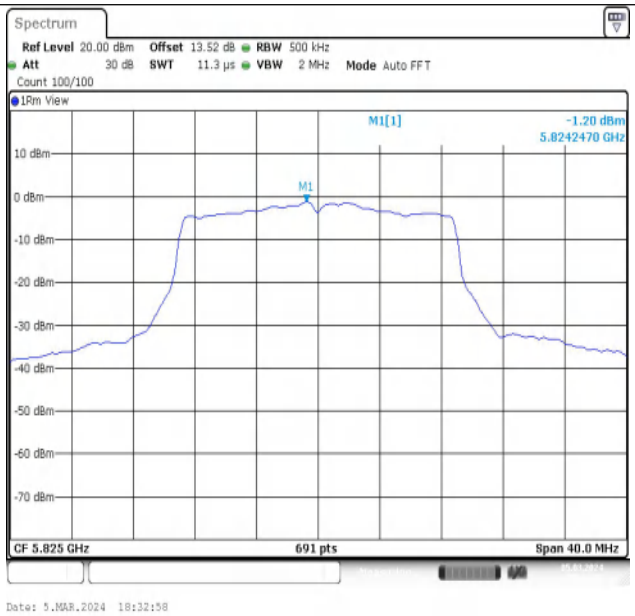
11N20MIMO-Ant2-5745-PASS



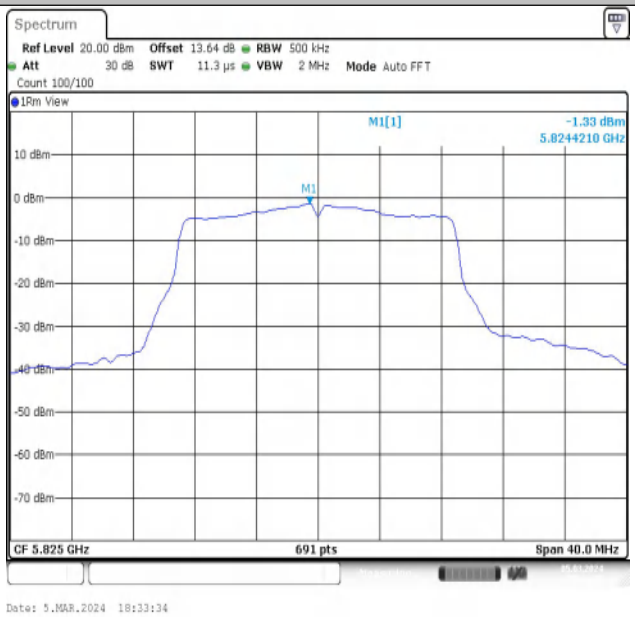
11N20MIMO-Ant1-5785-PASS



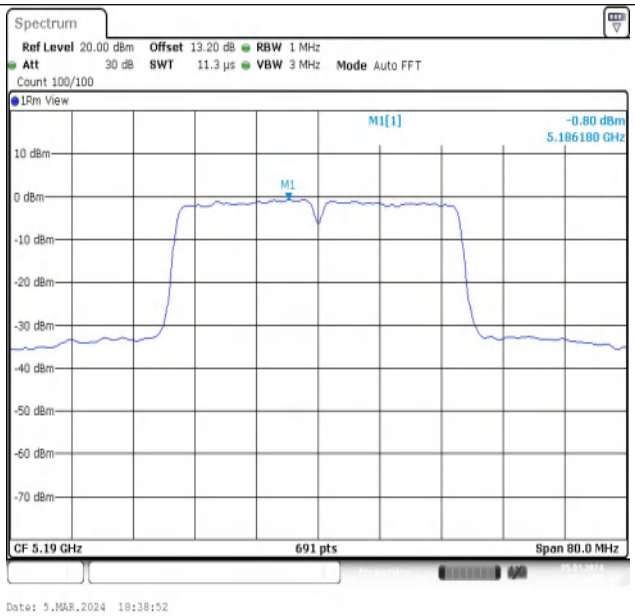
11N20MIMO-Ant2-5785-PASS



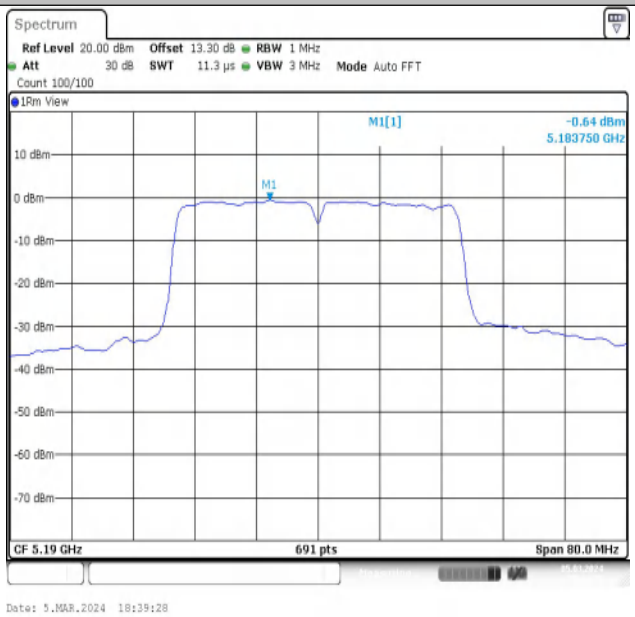
11N20MIMO-Ant1-5825-PASS



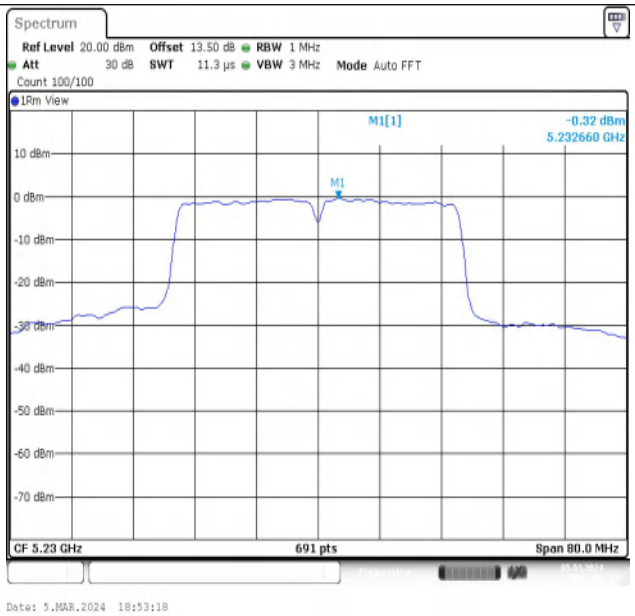
11N20MIMO-Ant2-5825-PASS



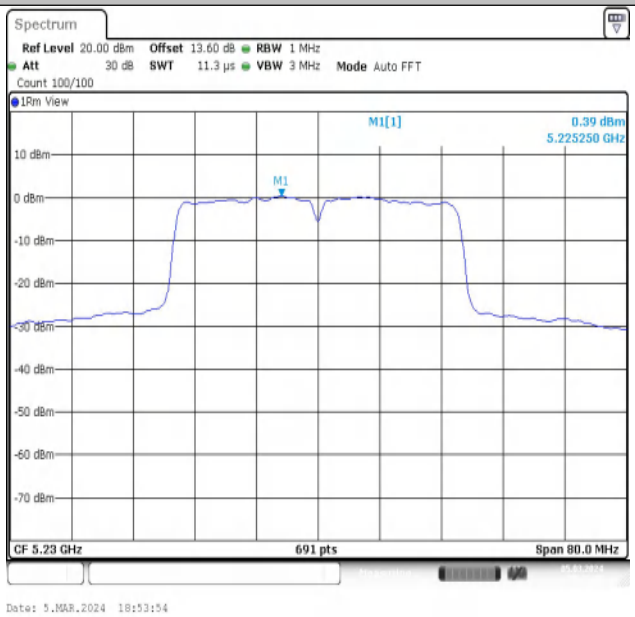
11N40MIMO-Ant1-5190-PASS



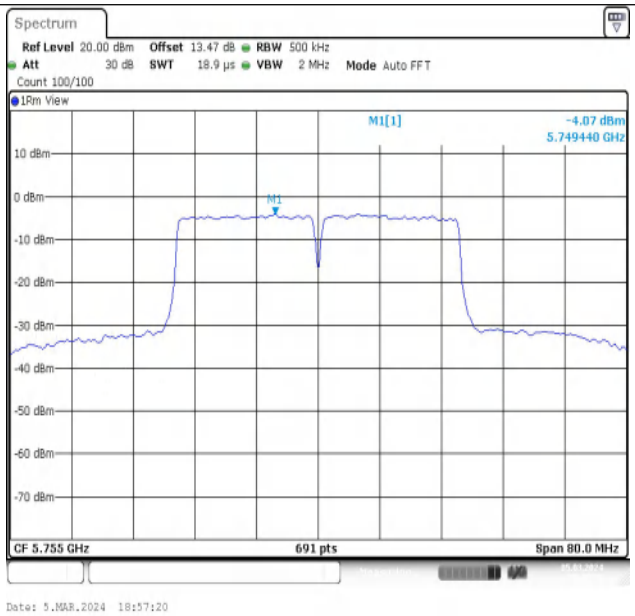
11N40MIMO-Ant2-5190-PASS



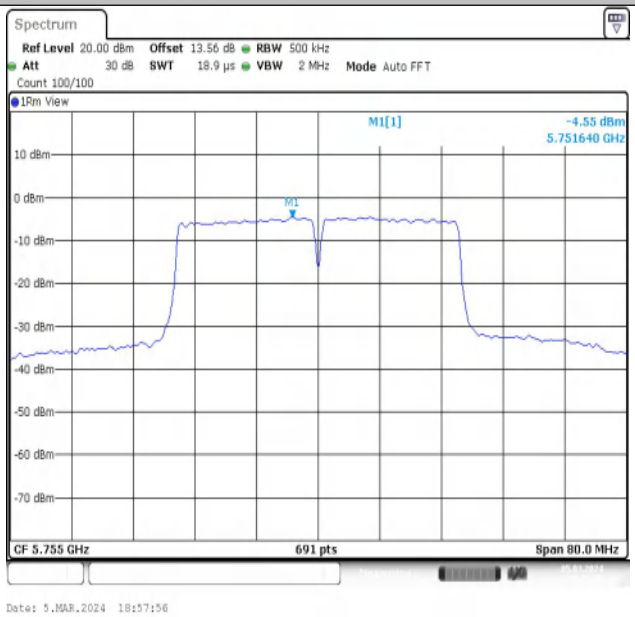
11N40MIMO-Ant1-5230-PASS



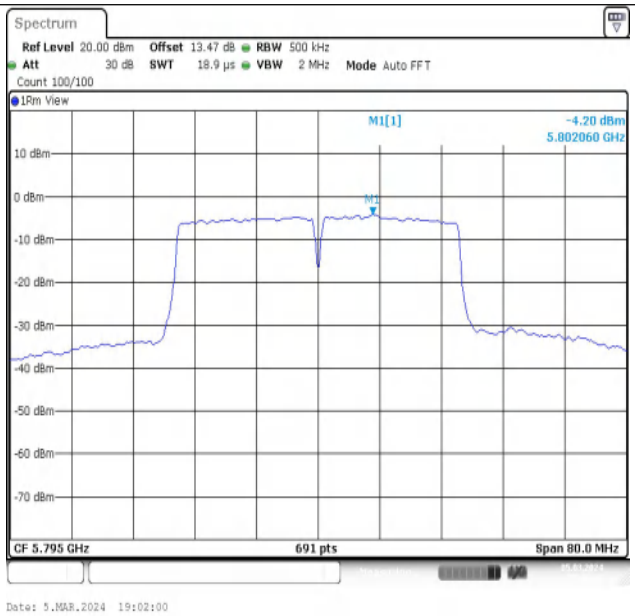
11N40MIMO-Ant2-5230-PASS



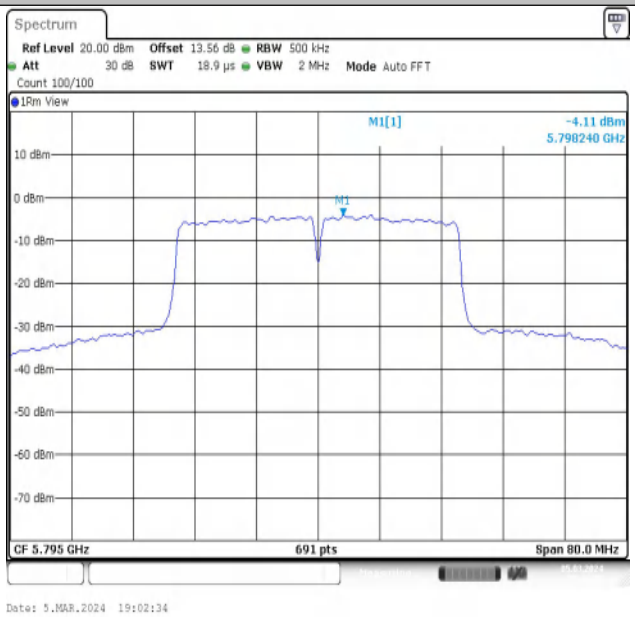
11N40MIMO-Ant1-5755-PASS



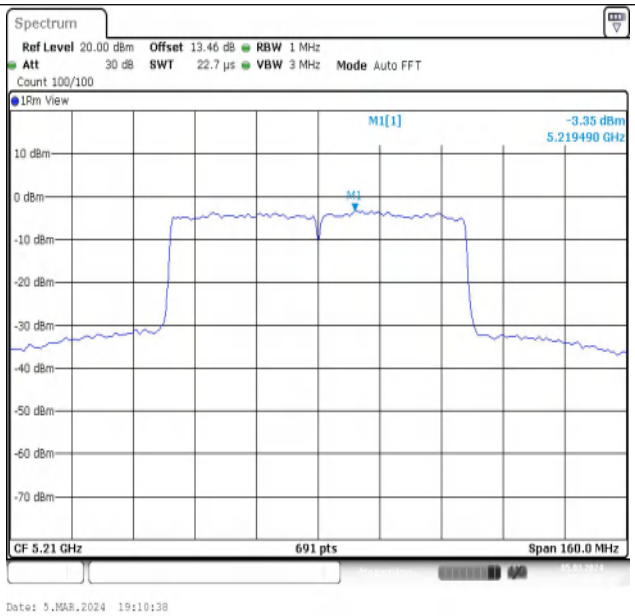
11N40MIMO-Ant2-5755-PASS



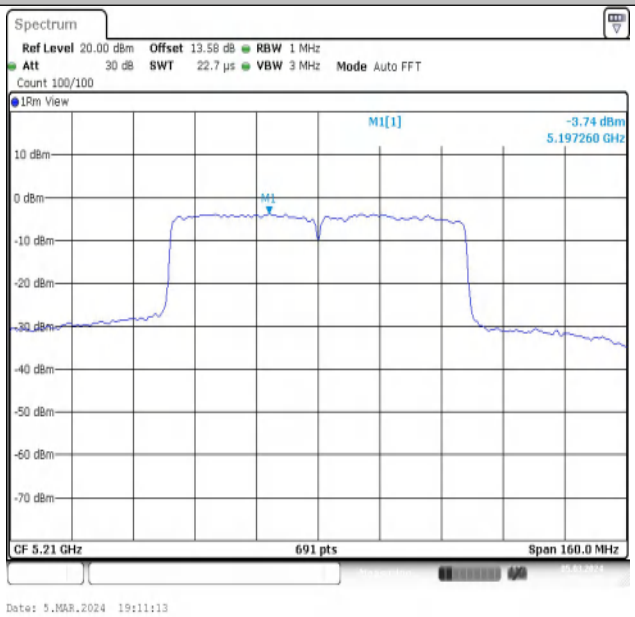
11N40MIMO-Ant1-5795-PASS



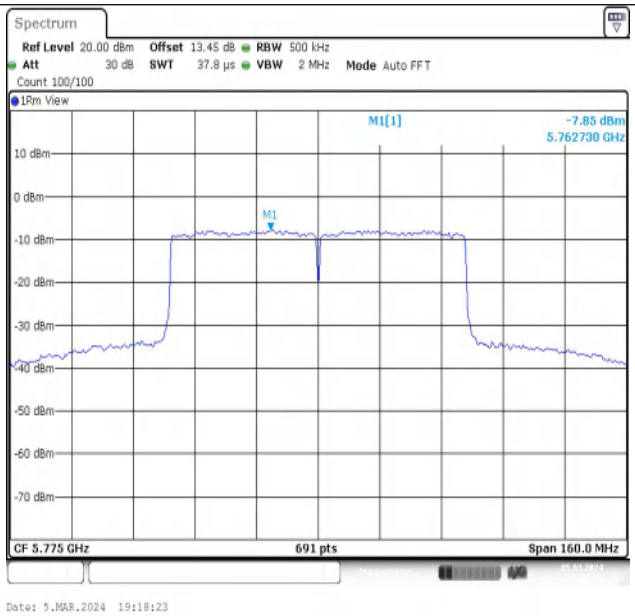
11N40MIMO-Ant2-5795-PASS



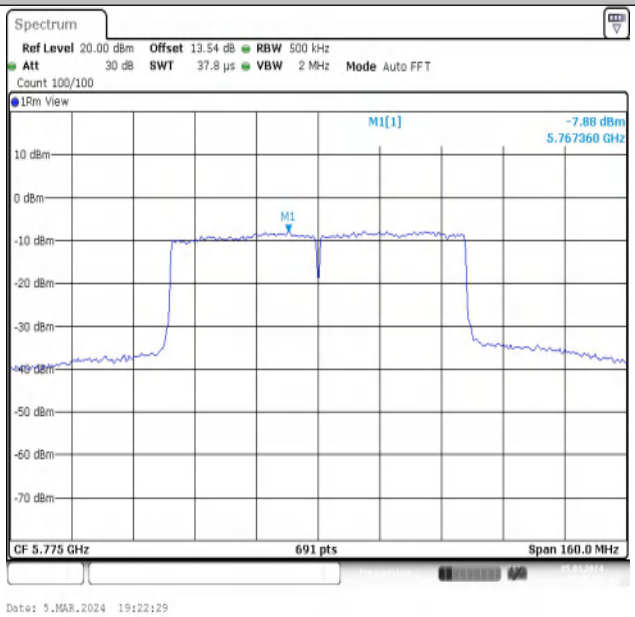
11AC80MIMO-Ant1-5210-PASS



11AC80MIMO-Ant2-5210-PASS



11AC80MIMO-Ant1-5775-PASS



11AC80MIMO-Ant2-5775-PASS

Appendix E: Frequency Stability

Test Result

TestMode	Antenna	Frequency[MHz]	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	LV	NT	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	HV	NT	-40000.00	-7.722008	20	PASS
11A	Ant1	5200	NV	NT	-40000.00	-7.692308	20	PASS
11A	Ant1	5200	LV	NT	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	HV	NT	-20000.00	-3.846154	20	PASS
11A	Ant1	5240	NV	NT	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	LV	NT	-40000.00	-7.633588	20	PASS
11A	Ant1	5240	HV	NT	-20000.00	-3.816794	20	PASS
11A	Ant1	5745	NV	NT	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	LV	NT	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	HV	NT	-40000.00	-6.962576	20	PASS
11A	Ant1	5785	NV	NT	-20000.00	-3.457217	20	PASS
11A	Ant1	5785	LV	NT	-20000.00	-3.457217	20	PASS
11A	Ant1	5785	HV	NT	-60000.00	-10.371651	20	PASS
11A	Ant1	5825	NV	NT	-40000.00	-6.866953	20	PASS
11A	Ant1	5825	LV	NT	-20000.00	-3.433476	20	PASS
11A	Ant1	5825	HV	NT	-20000.00	-3.433476	20	PASS
11A	Ant2	5180	NV	NT	-20000.00	-3.861004	20	PASS
11A	Ant2	5180	LV	NT	-20000.00	-3.861004	20	PASS
11A	Ant2	5180	HV	NT	-40000.00	-7.722008	20	PASS
11A	Ant2	5200	NV	NT	-20000.00	-3.846154	20	PASS
11A	Ant2	5200	LV	NT	-40000.00	-7.692308	20	PASS
11A	Ant2	5200	HV	NT	-40000.00	-7.692308	20	PASS
11A	Ant2	5240	NV	NT	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	LV	NT	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	HV	NT	-20000.00	-3.816794	20	PASS
11A	Ant2	5745	NV	NT	-40000.00	-6.962576	20	PASS
11A	Ant2	5745	LV	NT	-20000.00	-3.481288	20	PASS
11A	Ant2	5745	HV	NT	-40000.00	-6.962576	20	PASS
11A	Ant2	5785	NV	NT	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	LV	NT	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	HV	NT	-40000.00	-6.914434	20	PASS
11A	Ant2	5825	NV	NT	-20000.00	-3.433476	20	PASS
11A	Ant2	5825	LV	NT	-40000.00	-6.866953	20	PASS
11A	Ant2	5825	HV	NT	-20000.00	-3.433476	20	PASS
11N20MI	Ant1	5180	NV	NT	-40000.00	-7.722008	20	PASS

MO								
11N20MIMO	Ant1	5180	LV	NT	-20000.00	-3.861004	20	PASS
11N20MIMO	Ant1	5180	HV	NT	-40000.00	-7.722008	20	PASS
11N20MIMO	Ant2	5180	NV	NT	-20000.00	-3.861004	20	PASS
11N20MIMO	Ant2	5180	LV	NT	20000.00	3.861004	20	PASS
11N20MIMO	Ant2	5180	HV	NT	-20000.00	-3.861004	20	PASS
11N20MIMO	Ant1	5200	NV	NT	-40000.00	-7.692308	20	PASS
11N20MIMO	Ant1	5200	LV	NT	-40000.00	-7.692308	20	PASS
11N20MIMO	Ant1	5200	HV	NT	-40000.00	-7.692308	20	PASS
11N20MIMO	Ant2	5200	NV	NT	-20000.00	-3.846154	20	PASS
11N20MIMO	Ant2	5200	LV	NT	-20000.00	-3.846154	20	PASS
11N20MIMO	Ant2	5200	HV	NT	-20000.00	-3.846154	20	PASS
11N20MIMO	Ant1	5240	NV	NT	-40000.00	-7.633588	20	PASS
11N20MIMO	Ant1	5240	LV	NT	-40000.00	-7.633588	20	PASS
11N20MIMO	Ant1	5240	HV	NT	-40000.00	-7.633588	20	PASS
11N20MIMO	Ant2	5240	NV	NT	-20000.00	-3.816794	20	PASS
11N20MIMO	Ant2	5240	LV	NT	-20000.00	-3.816794	20	PASS
11N20MIMO	Ant2	5240	HV	NT	-20000.00	-3.816794	20	PASS
11N20MIMO	Ant1	5745	NV	NT	-40000.00	-6.962576	20	PASS
11N20MIMO	Ant1	5745	LV	NT	-20000.00	-3.481288	20	PASS
11N20MIMO	Ant1	5745	HV	NT	-20000.00	-3.481288	20	PASS
11N20MIMO	Ant2	5745	NV	NT	-20000.00	-3.481288	20	PASS

11N20MIMO	Ant2	5745	LV	NT	-20000.00	-3.481288	20	PASS
11N20MIMO	Ant2	5745	HV	NT	-20000.00	-3.481288	20	PASS
11N20MIMO	Ant1	5785	NV	NT	-40000.00	-6.914434	20	PASS
11N20MIMO	Ant1	5785	LV	NT	-40000.00	-6.914434	20	PASS
11N20MIMO	Ant1	5785	HV	NT	-40000.00	-6.914434	20	PASS
11N20MIMO	Ant2	5785	NV	NT	-20000.00	-3.457217	20	PASS
11N20MIMO	Ant2	5785	LV	NT	-20000.00	-3.457217	20	PASS
11N20MIMO	Ant2	5785	HV	NT	-20000.00	-3.457217	20	PASS
11N20MIMO	Ant1	5825	NV	NT	-40000.00	-6.866953	20	PASS
11N20MIMO	Ant1	5825	LV	NT	-40000.00	-6.866953	20	PASS
11N20MIMO	Ant1	5825	HV	NT	-40000.00	-6.866953	20	PASS
11N20MIMO	Ant2	5825	NV	NT	-20000.00	-3.433476	20	PASS
11N20MIMO	Ant2	5825	LV	NT	-20000.00	-3.433476	20	PASS
11N20MIMO	Ant2	5825	HV	NT	-20000.00	-3.433476	20	PASS
11N40MIMO	Ant1	5190	NV	NT	-40000.00	-7.707129	20	PASS
11N40MIMO	Ant1	5190	LV	NT	-40000.00	-7.707129	20	PASS
11N40MIMO	Ant1	5190	HV	NT	-40000.00	-7.707129	20	PASS
11N40MIMO	Ant2	5190	NV	NT	-40000.00	-7.707129	20	PASS
11N40MIMO	Ant2	5190	LV	NT	-80000.00	-15.414258	20	PASS
11N40MIMO	Ant2	5190	HV	NT	-80000.00	-15.414258	20	PASS
11N40MIMO	Ant1	5230	NV	NT	-40000.00	-7.648184	20	PASS
11N40MIMO	Ant1	5230	LV	NT	0.00	0.000000	20	PASS

11N40MIMO	Ant1	5230	HV	NT	-40000.00	-7.648184	20	PASS
11N40MIMO	Ant2	5230	NV	NT	-80000.00	-15.296367	20	PASS
11N40MIMO	Ant2	5230	LV	NT	-80000.00	-15.296367	20	PASS
11N40MIMO	Ant2	5230	HV	NT	-80000.00	-15.296367	20	PASS
11N40MIMO	Ant1	5755	NV	NT	-40000.00	-6.950478	20	PASS
11N40MIMO	Ant1	5755	LV	NT	-40000.00	-6.950478	20	PASS
11N40MIMO	Ant1	5755	HV	NT	-40000.00	-6.950478	20	PASS
11N40MIMO	Ant2	5755	NV	NT	-80000.00	-13.900956	20	PASS
11N40MIMO	Ant2	5755	LV	NT	-80000.00	-13.900956	20	PASS
11N40MIMO	Ant2	5755	HV	NT	-80000.00	-13.900956	20	PASS
11N40MIMO	Ant1	5795	NV	NT	-40000.00	-6.902502	20	PASS
11N40MIMO	Ant1	5795	LV	NT	-40000.00	-6.902502	20	PASS
11N40MIMO	Ant1	5795	HV	NT	-40000.00	-6.902502	20	PASS
11N40MIMO	Ant2	5795	NV	NT	-80000.00	-13.805004	20	PASS
11N40MIMO	Ant2	5795	LV	NT	-80000.00	-13.805004	20	PASS
11N40MIMO	Ant2	5795	HV	NT	-80000.00	-13.805004	20	PASS
11AC80MIMO	Ant1	5210	NV	NT	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant1	5210	LV	NT	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant1	5210	HV	NT	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant2	5210	NV	NT	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant2	5210	LV	NT	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant2	5210	HV	NT	-80000.00	-15.355086	20	PASS

11AC80MIMO	Ant1	5775	NV	NT	-80000.00	-13.852814	20	PASS
11AC80MIMO	Ant1	5775	LV	NT	-80000.00	-13.852814	20	PASS
11AC80MIMO	Ant1	5775	HV	NT	0.00	0.000000	20	PASS
11AC80MIMO	Ant2	5775	NV	NT	0.00	0.000000	20	PASS
11AC80MIMO	Ant2	5775	LV	NT	0.00	0.000000	20	PASS
11AC80MIMO	Ant2	5775	HV	NT	0.00	0.000000	20	PASS

TestMode	Antenna	Frequency[MHz]	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	-20	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	-10	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	NV	0	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	10	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	20	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	NV	30	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	40	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	50	-20000.00	-3.861004	20	PASS
11A	Ant1	5200	NV	-30	-40000.00	-7.692308	20	PASS
11A	Ant1	5200	NV	-20	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	NV	-10	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	NV	0	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	NV	10	-40000.00	-7.692308	20	PASS
11A	Ant1	5200	NV	20	-40000.00	-7.692308	20	PASS
11A	Ant1	5200	NV	30	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	NV	40	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	NV	50	-40000.00	-7.692308	20	PASS
11A	Ant1	5240	NV	-30	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	-20	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	-10	-40000.00	-7.633588	20	PASS
11A	Ant1	5240	NV	0	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	10	-40000.00	-7.633588	20	PASS
11A	Ant1	5240	NV	20	-40000.00	-7.633588	20	PASS
11A	Ant1	5240	NV	30	0.00	0.000000	20	PASS
11A	Ant1	5240	NV	40	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	50	-40000.00	-7.633588	20	PASS
11A	Ant1	5745	NV	-30	-20000.00	-3.481288	20	PASS

11A	Ant1	5745	NV	-20	0.00	0.000000	20	PASS
11A	Ant1	5745	NV	-10	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	0	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	10	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	20	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	30	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	40	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	50	-20000.00	-3.481288	20	PASS
11A	Ant1	5785	NV	-30	-20000.00	-3.457217	20	PASS
11A	Ant1	5785	NV	-20	-20000.00	-3.457217	20	PASS
11A	Ant1	5785	NV	-10	-20000.00	-3.457217	20	PASS
11A	Ant1	5785	NV	0	-40000.00	-6.914434	20	PASS
11A	Ant1	5785	NV	10	-20000.00	-3.457217	20	PASS
11A	Ant1	5785	NV	20	-40000.00	-6.914434	20	PASS
11A	Ant1	5785	NV	30	-20000.00	-3.457217	20	PASS
11A	Ant1	5785	NV	40	-20000.00	-3.457217	20	PASS
11A	Ant1	5785	NV	50	-20000.00	-3.457217	20	PASS
11A	Ant1	5825	NV	-30	-20000.00	-3.433476	20	PASS
11A	Ant1	5825	NV	-20	-20000.00	-3.433476	20	PASS
11A	Ant1	5825	NV	-10	-40000.00	-6.866953	20	PASS
11A	Ant1	5825	NV	0	-40000.00	-6.866953	20	PASS
11A	Ant1	5825	NV	10	-20000.00	-3.433476	20	PASS
11A	Ant1	5825	NV	20	-20000.00	-3.433476	20	PASS
11A	Ant1	5825	NV	30	-20000.00	-3.433476	20	PASS
11A	Ant1	5825	NV	40	-20000.00	-3.433476	20	PASS
11A	Ant1	5825	NV	50	-20000.00	-3.433476	20	PASS
11A	Ant2	5180	NV	-30	-20000.00	-3.861004	20	PASS
11A	Ant2	5180	NV	-20	-20000.00	-3.861004	20	PASS
11A	Ant2	5180	NV	-10	0.00	0.000000	20	PASS
11A	Ant2	5180	NV	0	-20000.00	-3.861004	20	PASS
11A	Ant2	5180	NV	10	-20000.00	-3.861004	20	PASS
11A	Ant2	5180	NV	20	-20000.00	-3.861004	20	PASS
11A	Ant2	5180	NV	30	-40000.00	-7.722008	20	PASS
11A	Ant2	5180	NV	40	-20000.00	-3.861004	20	PASS
11A	Ant2	5180	NV	50	-20000.00	-3.861004	20	PASS
11A	Ant2	5200	NV	-30	-20000.00	-3.846154	20	PASS
11A	Ant2	5200	NV	-20	-20000.00	-3.846154	20	PASS
11A	Ant2	5200	NV	-10	-20000.00	-3.846154	20	PASS
11A	Ant2	5200	NV	0	-40000.00	-7.692308	20	PASS
11A	Ant2	5200	NV	10	-20000.00	-3.846154	20	PASS
11A	Ant2	5200	NV	20	-40000.00	-7.692308	20	PASS
11A	Ant2	5200	NV	30	-20000.00	-3.846154	20	PASS
11A	Ant2	5200	NV	40	-20000.00	-3.846154	20	PASS

11A	Ant2	5200	NV	50	-20000.00	-3.846154	20	PASS
11A	Ant2	5240	NV	-30	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	NV	-20	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	NV	-10	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	NV	0	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	NV	10	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	NV	20	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	NV	30	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	NV	40	-20000.00	-3.816794	20	PASS
11A	Ant2	5240	NV	50	-20000.00	-3.816794	20	PASS
11A	Ant2	5745	NV	-30	-20000.00	-3.481288	20	PASS
11A	Ant2	5745	NV	-20	-20000.00	-3.481288	20	PASS
11A	Ant2	5745	NV	-10	-20000.00	-3.481288	20	PASS
11A	Ant2	5745	NV	0	-40000.00	-6.962576	20	PASS
11A	Ant2	5745	NV	10	-40000.00	-6.962576	20	PASS
11A	Ant2	5745	NV	20	-20000.00	-3.481288	20	PASS
11A	Ant2	5745	NV	30	-40000.00	-6.962576	20	PASS
11A	Ant2	5745	NV	40	-20000.00	-3.481288	20	PASS
11A	Ant2	5745	NV	50	-40000.00	-6.962576	20	PASS
11A	Ant2	5785	NV	-30	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	NV	-20	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	NV	-10	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	NV	0	-40000.00	-6.914434	20	PASS
11A	Ant2	5785	NV	10	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	NV	20	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	NV	30	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	NV	40	-20000.00	-3.457217	20	PASS
11A	Ant2	5785	NV	50	-40000.00	-6.914434	20	PASS
11A	Ant2	5825	NV	-30	-20000.00	-3.433476	20	PASS
11A	Ant2	5825	NV	-20	-20000.00	-3.433476	20	PASS
11A	Ant2	5825	NV	-10	-40000.00	-6.866953	20	PASS
11A	Ant2	5825	NV	0	-40000.00	-6.866953	20	PASS
11A	Ant2	5825	NV	10	-20000.00	-3.433476	20	PASS
11A	Ant2	5825	NV	20	-20000.00	-3.433476	20	PASS
11A	Ant2	5825	NV	30	-20000.00	-3.433476	20	PASS
11A	Ant2	5825	NV	40	-40000.00	-6.866953	20	PASS
11A	Ant2	5825	NV	50	-40000.00	-6.866953	20	PASS
11N20MIMO	Ant1	5180	NV	-30	-40000.00	-7.722008	20	PASS
11N20MIMO	Ant1	5180	NV	-20	-60000.00	-11.583012	20	PASS
11N20MIMO	Ant1	5180	NV	-10	-40000.00	-7.722008	20	PASS

11N20MIMO	Ant1	5180	NV	0	-40000.00	-7.722008	20	PASS
11N20MIMO	Ant1	5180	NV	10	-40000.00	-7.722008	20	PASS
11N20MIMO	Ant1	5180	NV	20	-40000.00	-7.722008	20	PASS
11N20MIMO	Ant1	5180	NV	30	-20000.00	-3.861004	20	PASS
11N20MIMO	Ant1	5180	NV	40	-40000.00	-7.722008	20	PASS
11N20MIMO	Ant1	5180	NV	50	-40000.00	-7.722008	20	PASS
11N20MIMO	Ant2	5180	NV	-30	-20000.00	-3.861004	20	PASS
11N20MIMO	Ant2	5180	NV	-20	-20000.00	-3.861004	20	PASS
11N20MIMO	Ant2	5180	NV	-10	-20000.00	-3.861004	20	PASS
11N20MIMO	Ant2	5180	NV	0	-20000.00	-3.861004	20	PASS
11N20MIMO	Ant2	5180	NV	10	-20000.00	-3.861004	20	PASS
11N20MIMO	Ant2	5180	NV	20	-20000.00	-3.861004	20	PASS
11N20MIMO	Ant2	5180	NV	30	-20000.00	-3.861004	20	PASS
11N20MIMO	Ant2	5180	NV	40	-20000.00	-3.861004	20	PASS
11N20MIMO	Ant2	5180	NV	50	-20000.00	-3.861004	20	PASS
11N20MIMO	Ant1	5200	NV	-30	-40000.00	-7.692308	20	PASS
11N20MIMO	Ant1	5200	NV	-20	-20000.00	-3.846154	20	PASS
11N20MIMO	Ant1	5200	NV	-10	-40000.00	-7.692308	20	PASS
11N20MIMO	Ant1	5200	NV	0	-20000.00	-3.846154	20	PASS
11N20MIMO	Ant1	5200	NV	10	-40000.00	-7.692308	20	PASS
11N20MIMO	Ant1	5200	NV	20	-40000.00	-7.692308	20	PASS
11N20MIMO	Ant1	5200	NV	30	-20000.00	-3.846154	20	PASS

11N20MIMO	Ant1	5200	NV	40	-40000.00	-7.692308	20	PASS
11N20MIMO	Ant1	5200	NV	50	-40000.00	-7.692308	20	PASS
11N20MIMO	Ant2	5200	NV	-30	-20000.00	-3.846154	20	PASS
11N20MIMO	Ant2	5200	NV	-20	-20000.00	-3.846154	20	PASS
11N20MIMO	Ant2	5200	NV	-10	-20000.00	-3.846154	20	PASS
11N20MIMO	Ant2	5200	NV	0	-20000.00	-3.846154	20	PASS
11N20MIMO	Ant2	5200	NV	10	-20000.00	-3.846154	20	PASS
11N20MIMO	Ant2	5200	NV	20	-20000.00	-3.846154	20	PASS
11N20MIMO	Ant2	5200	NV	30	-20000.00	-3.846154	20	PASS
11N20MIMO	Ant2	5200	NV	40	-20000.00	-3.846154	20	PASS
11N20MIMO	Ant2	5200	NV	50	-20000.00	-3.846154	20	PASS
11N20MIMO	Ant1	5240	NV	-30	-40000.00	-7.633588	20	PASS
11N20MIMO	Ant1	5240	NV	-20	-40000.00	-7.633588	20	PASS
11N20MIMO	Ant1	5240	NV	-10	-20000.00	-3.816794	20	PASS
11N20MIMO	Ant1	5240	NV	0	-40000.00	-7.633588	20	PASS
11N20MIMO	Ant1	5240	NV	10	-40000.00	-7.633588	20	PASS
11N20MIMO	Ant1	5240	NV	20	-40000.00	-7.633588	20	PASS
11N20MIMO	Ant1	5240	NV	30	-40000.00	-7.633588	20	PASS
11N20MIMO	Ant1	5240	NV	40	-20000.00	-3.816794	20	PASS
11N20MIMO	Ant1	5240	NV	50	-40000.00	-7.633588	20	PASS
11N20MIMO	Ant2	5240	NV	-30	-20000.00	-3.816794	20	PASS
11N20MIMO	Ant2	5240	NV	-20	-20000.00	-3.816794	20	PASS

11N20MIMO	Ant2	5240	NV	-10	-20000.00	-3.816794	20	PASS
11N20MIMO	Ant2	5240	NV	0	-20000.00	-3.816794	20	PASS
11N20MIMO	Ant2	5240	NV	10	-20000.00	-3.816794	20	PASS
11N20MIMO	Ant2	5240	NV	20	-20000.00	-3.816794	20	PASS
11N20MIMO	Ant2	5240	NV	30	-20000.00	-3.816794	20	PASS
11N20MIMO	Ant2	5240	NV	40	-20000.00	-3.816794	20	PASS
11N20MIMO	Ant2	5240	NV	50	-20000.00	-3.816794	20	PASS
11N20MIMO	Ant1	5745	NV	-30	-40000.00	-6.962576	20	PASS
11N20MIMO	Ant1	5745	NV	-20	-40000.00	-6.962576	20	PASS
11N20MIMO	Ant1	5745	NV	-10	-40000.00	-6.962576	20	PASS
11N20MIMO	Ant1	5745	NV	0	-40000.00	-6.962576	20	PASS
11N20MIMO	Ant1	5745	NV	10	-40000.00	-6.962576	20	PASS
11N20MIMO	Ant1	5745	NV	20	-40000.00	-6.962576	20	PASS
11N20MIMO	Ant1	5745	NV	30	-20000.00	-3.481288	20	PASS
11N20MIMO	Ant1	5745	NV	40	-40000.00	-6.962576	20	PASS
11N20MIMO	Ant1	5745	NV	50	-40000.00	-6.962576	20	PASS
11N20MIMO	Ant2	5745	NV	-30	-20000.00	-3.481288	20	PASS
11N20MIMO	Ant2	5745	NV	-20	-20000.00	-3.481288	20	PASS
11N20MIMO	Ant2	5745	NV	-10	-20000.00	-3.481288	20	PASS
11N20MIMO	Ant2	5745	NV	0	-20000.00	-3.481288	20	PASS
11N20MIMO	Ant2	5745	NV	10	-20000.00	-3.481288	20	PASS
11N20MIMO	Ant2	5745	NV	20	-20000.00	-3.481288	20	PASS

11N20MIMO	Ant2	5745	NV	30	-20000.00	-3.481288	20	PASS
11N20MIMO	Ant2	5745	NV	40	-20000.00	-3.481288	20	PASS
11N20MIMO	Ant2	5745	NV	50	-20000.00	-3.481288	20	PASS
11N20MIMO	Ant1	5785	NV	-30	-40000.00	-6.914434	20	PASS
11N20MIMO	Ant1	5785	NV	-20	-40000.00	-6.914434	20	PASS
11N20MIMO	Ant1	5785	NV	-10	-40000.00	-6.914434	20	PASS
11N20MIMO	Ant1	5785	NV	0	-40000.00	-6.914434	20	PASS
11N20MIMO	Ant1	5785	NV	10	-40000.00	-6.914434	20	PASS
11N20MIMO	Ant1	5785	NV	20	-40000.00	-6.914434	20	PASS
11N20MIMO	Ant1	5785	NV	30	-40000.00	-6.914434	20	PASS
11N20MIMO	Ant1	5785	NV	40	-60000.00	-10.371651	20	PASS
11N20MIMO	Ant1	5785	NV	50	-60000.00	-10.371651	20	PASS
11N20MIMO	Ant2	5785	NV	-30	-20000.00	-3.457217	20	PASS
11N20MIMO	Ant2	5785	NV	-20	-20000.00	-3.457217	20	PASS
11N20MIMO	Ant2	5785	NV	-10	-20000.00	-3.457217	20	PASS
11N20MIMO	Ant2	5785	NV	0	-20000.00	-3.457217	20	PASS
11N20MIMO	Ant2	5785	NV	10	-20000.00	-3.457217	20	PASS
11N20MIMO	Ant2	5785	NV	20	-20000.00	-3.457217	20	PASS
11N20MIMO	Ant2	5785	NV	30	-20000.00	-3.457217	20	PASS
11N20MIMO	Ant2	5785	NV	40	-20000.00	-3.457217	20	PASS
11N20MIMO	Ant2	5785	NV	50	-20000.00	-3.457217	20	PASS
11N20MIMO	Ant1	5825	NV	-30	-40000.00	-6.866953	20	PASS

11N20MIMO	Ant1	5825	NV	-20	-40000.00	-6.866953	20	PASS
11N20MIMO	Ant1	5825	NV	-10	-40000.00	-6.866953	20	PASS
11N20MIMO	Ant1	5825	NV	0	-40000.00	-6.866953	20	PASS
11N20MIMO	Ant1	5825	NV	10	-40000.00	-6.866953	20	PASS
11N20MIMO	Ant1	5825	NV	20	-40000.00	-6.866953	20	PASS
11N20MIMO	Ant1	5825	NV	30	-40000.00	-6.866953	20	PASS
11N20MIMO	Ant1	5825	NV	40	-40000.00	-6.866953	20	PASS
11N20MIMO	Ant1	5825	NV	50	-40000.00	-6.866953	20	PASS
11N20MIMO	Ant2	5825	NV	-30	-20000.00	-3.433476	20	PASS
11N20MIMO	Ant2	5825	NV	-20	-20000.00	-3.433476	20	PASS
11N20MIMO	Ant2	5825	NV	-10	-20000.00	-3.433476	20	PASS
11N20MIMO	Ant2	5825	NV	0	-20000.00	-3.433476	20	PASS
11N20MIMO	Ant2	5825	NV	10	-20000.00	-3.433476	20	PASS
11N20MIMO	Ant2	5825	NV	20	-20000.00	-3.433476	20	PASS
11N20MIMO	Ant2	5825	NV	30	-20000.00	-3.433476	20	PASS
11N20MIMO	Ant2	5825	NV	40	-20000.00	-3.433476	20	PASS
11N20MIMO	Ant2	5825	NV	50	-20000.00	-3.433476	20	PASS
11N40MIMO	Ant1	5190	NV	-30	-40000.00	-7.707129	20	PASS
11N40MIMO	Ant1	5190	NV	-20	-40000.00	-7.707129	20	PASS
11N40MIMO	Ant1	5190	NV	-10	-40000.00	-7.707129	20	PASS
11N40MIMO	Ant1	5190	NV	0	-40000.00	-7.707129	20	PASS
11N40MIMO	Ant1	5190	NV	10	-40000.00	-7.707129	20	PASS

11N40MIMO	Ant1	5190	NV	20	-40000.00	-7.707129	20	PASS
11N40MIMO	Ant1	5190	NV	30	-40000.00	-7.707129	20	PASS
11N40MIMO	Ant1	5190	NV	40	-40000.00	-7.707129	20	PASS
11N40MIMO	Ant1	5190	NV	50	-40000.00	-7.707129	20	PASS
11N40MIMO	Ant2	5190	NV	-30	-80000.00	-15.414258	20	PASS
11N40MIMO	Ant2	5190	NV	-20	-80000.00	-15.414258	20	PASS
11N40MIMO	Ant2	5190	NV	-10	-80000.00	-15.414258	20	PASS
11N40MIMO	Ant2	5190	NV	0	-80000.00	-15.414258	20	PASS
11N40MIMO	Ant2	5190	NV	10	-80000.00	-15.414258	20	PASS
11N40MIMO	Ant2	5190	NV	20	-80000.00	-15.414258	20	PASS
11N40MIMO	Ant2	5190	NV	30	-80000.00	-15.414258	20	PASS
11N40MIMO	Ant2	5190	NV	40	-80000.00	-15.414258	20	PASS
11N40MIMO	Ant2	5190	NV	50	-80000.00	-15.414258	20	PASS
11N40MIMO	Ant1	5230	NV	-30	-40000.00	-7.648184	20	PASS
11N40MIMO	Ant1	5230	NV	-20	-40000.00	-7.648184	20	PASS
11N40MIMO	Ant1	5230	NV	-10	-40000.00	-7.648184	20	PASS
11N40MIMO	Ant1	5230	NV	0	-40000.00	-7.648184	20	PASS
11N40MIMO	Ant1	5230	NV	10	-40000.00	-7.648184	20	PASS
11N40MIMO	Ant1	5230	NV	20	-40000.00	-7.648184	20	PASS
11N40MIMO	Ant1	5230	NV	30	-40000.00	-7.648184	20	PASS
11N40MIMO	Ant1	5230	NV	40	-40000.00	-7.648184	20	PASS
11N40MIMO	Ant1	5230	NV	50	-40000.00	-7.648184	20	PASS

11N40MIMO	Ant2	5230	NV	-30	-80000.00	-15.296367	20	PASS
11N40MIMO	Ant2	5230	NV	-20	-80000.00	-15.296367	20	PASS
11N40MIMO	Ant2	5230	NV	-10	-80000.00	-15.296367	20	PASS
11N40MIMO	Ant2	5230	NV	0	-80000.00	-15.296367	20	PASS
11N40MIMO	Ant2	5230	NV	10	-80000.00	-15.296367	20	PASS
11N40MIMO	Ant2	5230	NV	20	-80000.00	-15.296367	20	PASS
11N40MIMO	Ant2	5230	NV	30	-80000.00	-15.296367	20	PASS
11N40MIMO	Ant2	5230	NV	40	-80000.00	-15.296367	20	PASS
11N40MIMO	Ant2	5230	NV	50	-80000.00	-15.296367	20	PASS
11N40MIMO	Ant1	5755	NV	-30	-40000.00	-6.950478	20	PASS
11N40MIMO	Ant1	5755	NV	-20	-40000.00	-6.950478	20	PASS
11N40MIMO	Ant1	5755	NV	-10	-40000.00	-6.950478	20	PASS
11N40MIMO	Ant1	5755	NV	0	-40000.00	-6.950478	20	PASS
11N40MIMO	Ant1	5755	NV	10	-40000.00	-6.950478	20	PASS
11N40MIMO	Ant1	5755	NV	20	-40000.00	-6.950478	20	PASS
11N40MIMO	Ant1	5755	NV	30	-40000.00	-6.950478	20	PASS
11N40MIMO	Ant1	5755	NV	40	-40000.00	-6.950478	20	PASS
11N40MIMO	Ant1	5755	NV	50	-40000.00	-6.950478	20	PASS
11N40MIMO	Ant2	5755	NV	-30	-80000.00	-13.900956	20	PASS
11N40MIMO	Ant2	5755	NV	-20	-80000.00	-13.900956	20	PASS
11N40MIMO	Ant2	5755	NV	-10	-80000.00	-13.900956	20	PASS
11N40MIMO	Ant2	5755	NV	0	-80000.00	-13.900956	20	PASS

11N40MIMO	Ant2	5755	NV	10	-80000.00	-13.900956	20	PASS
11N40MIMO	Ant2	5755	NV	20	-80000.00	-13.900956	20	PASS
11N40MIMO	Ant2	5755	NV	30	-80000.00	-13.900956	20	PASS
11N40MIMO	Ant2	5755	NV	40	-80000.00	-13.900956	20	PASS
11N40MIMO	Ant2	5755	NV	50	-80000.00	-13.900956	20	PASS
11N40MIMO	Ant1	5795	NV	-30	-40000.00	-6.902502	20	PASS
11N40MIMO	Ant1	5795	NV	-20	-40000.00	-6.902502	20	PASS
11N40MIMO	Ant1	5795	NV	-10	-40000.00	-6.902502	20	PASS
11N40MIMO	Ant1	5795	NV	0	-40000.00	-6.902502	20	PASS
11N40MIMO	Ant1	5795	NV	10	-40000.00	-6.902502	20	PASS
11N40MIMO	Ant1	5795	NV	20	-40000.00	-6.902502	20	PASS
11N40MIMO	Ant1	5795	NV	30	-40000.00	-6.902502	20	PASS
11N40MIMO	Ant1	5795	NV	40	-40000.00	-6.902502	20	PASS
11N40MIMO	Ant1	5795	NV	50	-40000.00	-6.902502	20	PASS
11N40MIMO	Ant2	5795	NV	-30	-80000.00	-13.805004	20	PASS
11N40MIMO	Ant2	5795	NV	-20	-80000.00	-13.805004	20	PASS
11N40MIMO	Ant2	5795	NV	-10	-80000.00	-13.805004	20	PASS
11N40MIMO	Ant2	5795	NV	0	-80000.00	-13.805004	20	PASS
11N40MIMO	Ant2	5795	NV	10	-80000.00	-13.805004	20	PASS
11N40MIMO	Ant2	5795	NV	20	-80000.00	-13.805004	20	PASS
11N40MIMO	Ant2	5795	NV	30	-80000.00	-13.805004	20	PASS
11N40MIMO	Ant2	5795	NV	40	-80000.00	-13.805004	20	PASS

11N40MIMO	Ant2	5795	NV	50	-80000.00	-13.805004	20	PASS
11AC80MIMO	Ant1	5210	NV	-30	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant1	5210	NV	-20	0.00	0.000000	20	PASS
11AC80MIMO	Ant1	5210	NV	-10	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant1	5210	NV	0	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant1	5210	NV	10	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant1	5210	NV	20	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant1	5210	NV	30	0.00	0.000000	20	PASS
11AC80MIMO	Ant1	5210	NV	40	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant1	5210	NV	50	0.00	0.000000	20	PASS
11AC80MIMO	Ant2	5210	NV	-30	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant2	5210	NV	-20	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant2	5210	NV	-10	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant2	5210	NV	0	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant2	5210	NV	10	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant2	5210	NV	20	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant2	5210	NV	30	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant2	5210	NV	40	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant2	5210	NV	50	-80000.00	-15.355086	20	PASS
11AC80MIMO	Ant1	5775	NV	-30	-80000.00	-13.852814	20	PASS
11AC80MIMO	Ant1	5775	NV	-20	0.00	0.000000	20	PASS
11AC80MIMO	Ant1	5775	NV	-10	0.00	0.000000	20	PASS

11AC80M IMO	Ant1	5775	NV	0	0.00	0.000000	20	PASS
11AC80M IMO	Ant1	5775	NV	10	-80000.00	-13.852814	20	PASS
11AC80M IMO	Ant1	5775	NV	20	-80000.00	-13.852814	20	PASS
11AC80M IMO	Ant1	5775	NV	30	0.00	0.000000	20	PASS
11AC80M IMO	Ant1	5775	NV	40	0.00	0.000000	20	PASS
11AC80M IMO	Ant1	5775	NV	50	0.00	0.000000	20	PASS
11AC80M IMO	Ant2	5775	NV	-30	0.00	0.000000	20	PASS
11AC80M IMO	Ant2	5775	NV	-20	0.00	0.000000	20	PASS
11AC80M IMO	Ant2	5775	NV	-10	0.00	0.000000	20	PASS
11AC80M IMO	Ant2	5775	NV	0	0.00	0.000000	20	PASS
11AC80M IMO	Ant2	5775	NV	10	0.00	0.000000	20	PASS
11AC80M IMO	Ant2	5775	NV	20	0.00	0.000000	20	PASS
11AC80M IMO	Ant2	5775	NV	30	0.00	0.000000	20	PASS
11AC80M IMO	Ant2	5775	NV	40	-80000.00	-13.852814	20	PASS
11AC80M IMO	Ant2	5775	NV	50	0.00	0.000000	20	PASS