

Appendix Test Data

Report No.:	1812C40179712504	Test Sample No.:	1-2-2
Start Test Date:	2024.12.16	Finish Test Date:	2024.12.23
Test Engineer:	<i>Joker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.5°C	Relative Humidity:	51%
Pressure:	101kPa		

Appendix A1: 26dB Bandwidth

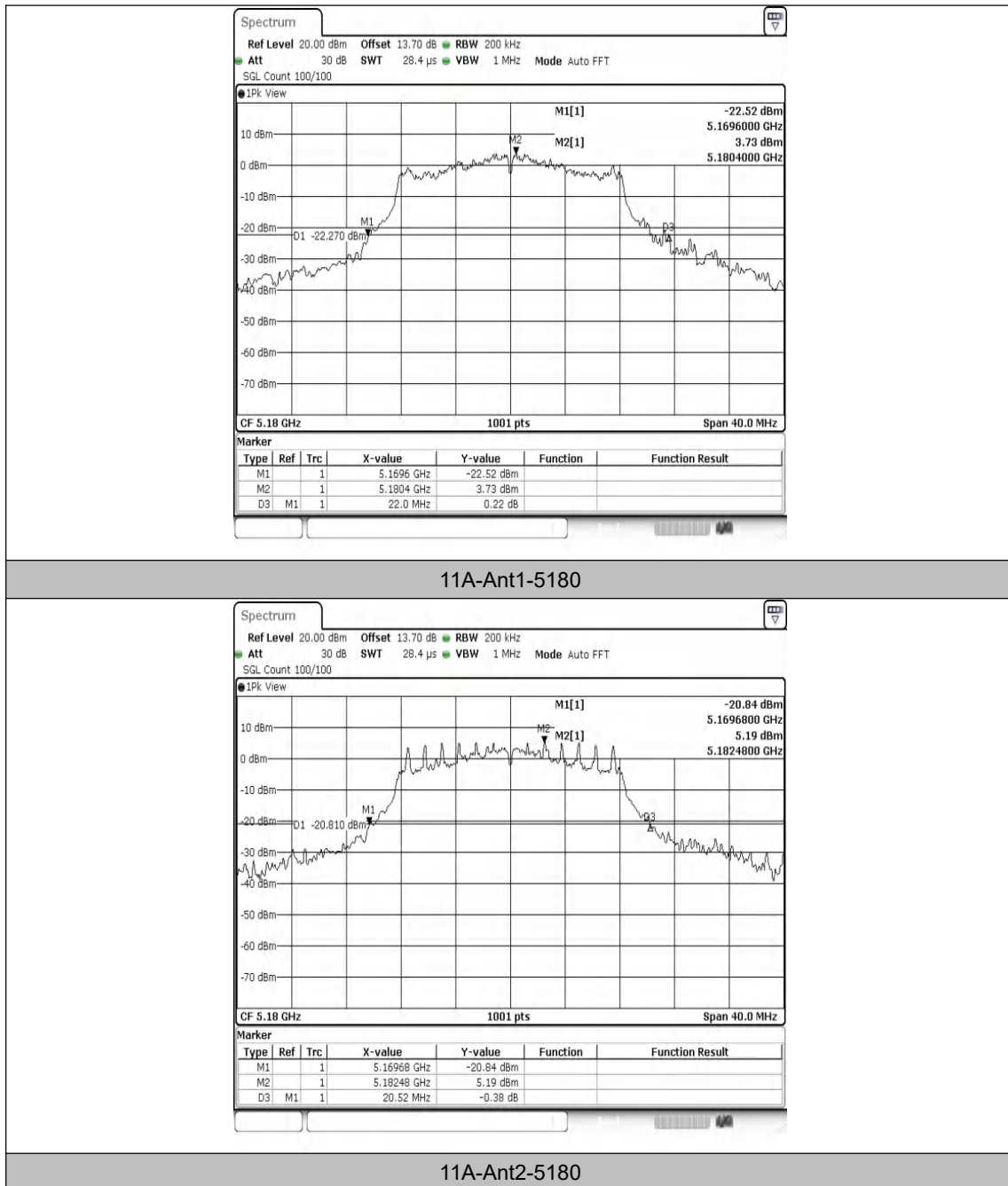
Test Result

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.00	5169.60	5191.60	---	---
11A	Ant2	5180	20.52	5169.68	5190.20	---	---
11A	Ant1	5200	20.48	5189.72	5210.20	---	---
11A	Ant2	5200	20.00	5190.04	5210.04	---	---
11A	Ant1	5240	20.48	5230.24	5250.72	---	---
11A	Ant2	5240	19.68	5230.20	5249.88	---	---
11A	Ant1	5745	25.12	5735.00	5760.12	---	---
11A	Ant2	5745	20.32	5734.80	5755.12	---	---
11A	Ant1	5785	21.00	5775.00	5796.00	---	---
11A	Ant2	5785	20.52	5774.56	5795.08	---	---
11A	Ant1	5825	21.08	5815.20	5836.28	---	---
11A	Ant2	5825	21.00	5814.68	5835.68	---	---
11N20MIMO	Ant1	5180	20.24	5169.48	5189.72	---	---
11N20MIMO	Ant2	5180	21.04	5169.76	5190.80	---	---
11N20MIMO	Ant1	5200	20.16	5189.52	5209.68	---	---
11N20MIMO	Ant2	5200	21.44	5189.28	5210.72	---	---
11N20MIMO	Ant1	5240	19.16	5230.76	5249.92	---	---
11N20MIMO	Ant2	5240	21.04	5229.52	5250.56	---	---
11N20MIMO	Ant1	5745	21.72	5734.60	5756.32	---	---
11N20MIMO	Ant2	5745	21.24	5734.52	5755.76	---	---
11N20MIMO	Ant1	5785	20.60	5774.60	5795.20	---	---
11N20MIMO	Ant2	5785	21.24	5774.44	5795.68	---	---



11N20MIMO	Ant1	5825	20.52	5814.56	5835.08	---	---
11N20MIMO	Ant2	5825	23.36	5812.36	5835.72	---	---
11N40MIMO	Ant1	5190	40.32	5169.84	5210.16	---	---
11N40MIMO	Ant2	5190	49.20	5169.84	5219.04	---	---
11N40MIMO	Ant1	5230	39.84	5210.00	5249.84	---	---
11N40MIMO	Ant2	5230	40.00	5210.32	5250.32	---	---
11N40MIMO	Ant1	5755	49.60	5734.84	5784.44	---	---
11N40MIMO	Ant2	5755	39.92	5735.00	5774.92	---	---
11N40MIMO	Ant1	5795	49.52	5775.00	5824.52	---	---
11N40MIMO	Ant2	5795	43.28	5775.16	5818.44	---	---
11AC20MIMO	Ant1	5180	19.08	5170.12	5189.20	---	---
11AC20MIMO	Ant2	5180	21.32	5169.24	5190.56	---	---
11AC20MIMO	Ant1	5200	18.32	5190.60	5208.92	---	---
11AC20MIMO	Ant2	5200	21.40	5189.20	5210.60	---	---
11AC20MIMO	Ant1	5240	18.92	5230.24	5249.16	---	---
11AC20MIMO	Ant2	5240	21.48	5229.20	5250.68	---	---
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11AC20MIMO	Ant2	5745	21.44	5734.24	5755.68	---	---
11AC20MIMO	Ant1	5785	18.68	5775.80	5794.48	---	---
11AC20MIMO	Ant2	5785	21.36	5774.32	5795.68	---	---
11AC20MIMO	Ant1	5825	18.96	5815.48	5834.44	---	---
11AC20MIMO	Ant2	5825	21.76	5813.96	5835.72	---	---
11AC40MIMO	Ant1	5190	40.08	5170.24	5210.32	---	---
11AC40MIMO	Ant2	5190	40.24	5169.68	5209.92	---	---
11AC40MIMO	Ant1	5230	40.16	5210.24	5250.40	---	---
11AC40MIMO	Ant2	5230	40.48	5209.68	5250.16	---	---
11AC40MIMO	Ant1	5755	48.56	5735.24	5783.80	---	---
11AC40MIMO	Ant2	5755	40.64	5734.76	5775.40	---	---
11AC40MIMO	Ant1	5795	40.08	5775.00	5815.08	---	---
11AC40MIMO	Ant2	5795	40.08	5774.60	5814.68	---	---
11AC80MIMO	Ant1	5210	81.92	5169.20	5251.12	---	---
11AC80MIMO	Ant2	5210	80.96	5169.20	5250.16	---	---
11AC80MIMO	Ant1	5775	82.56	5733.72	5816.28	---	---
11AC80MIMO	Ant2	5775	81.44	5734.84	5816.28	---	---

Test Graphs

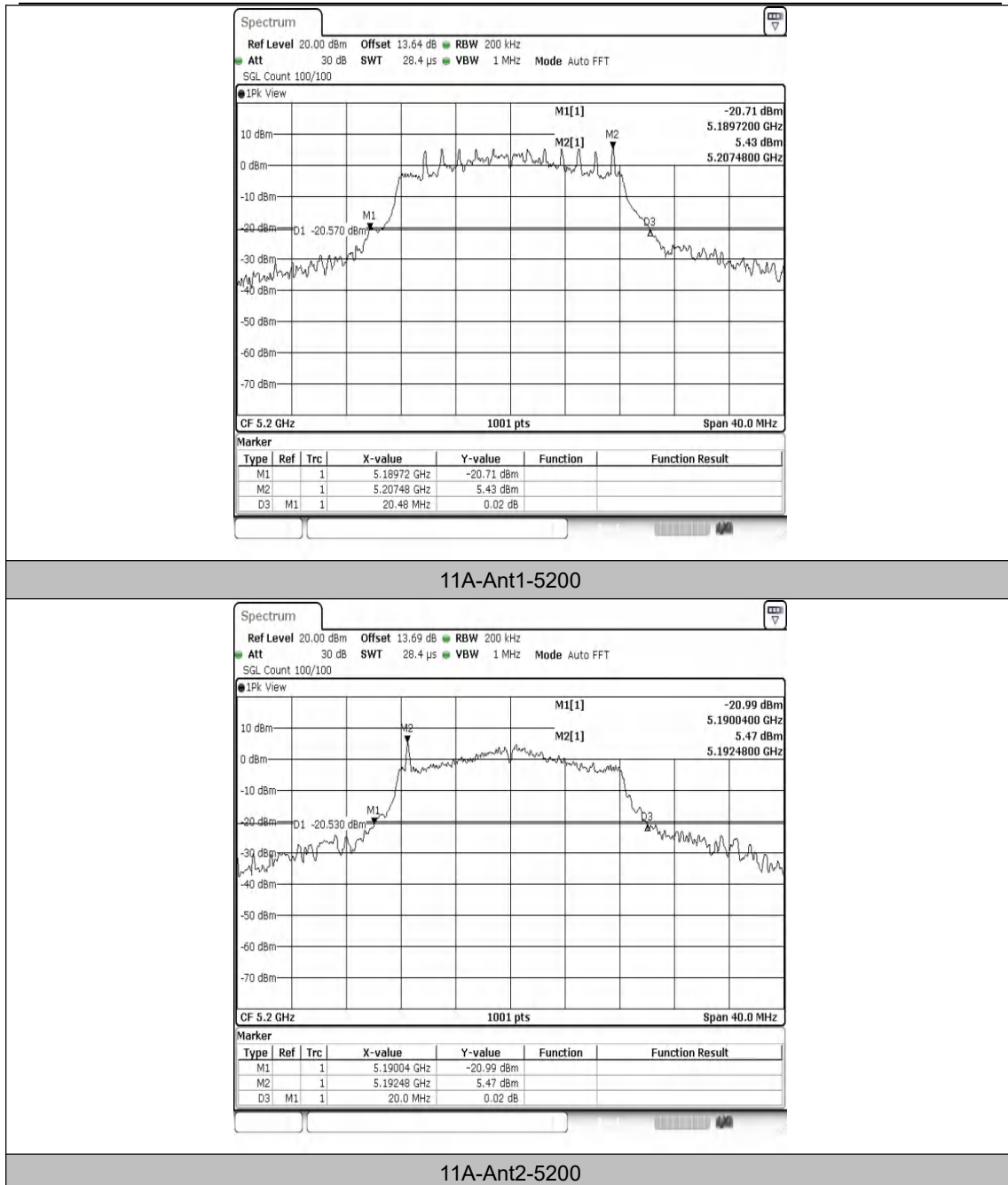


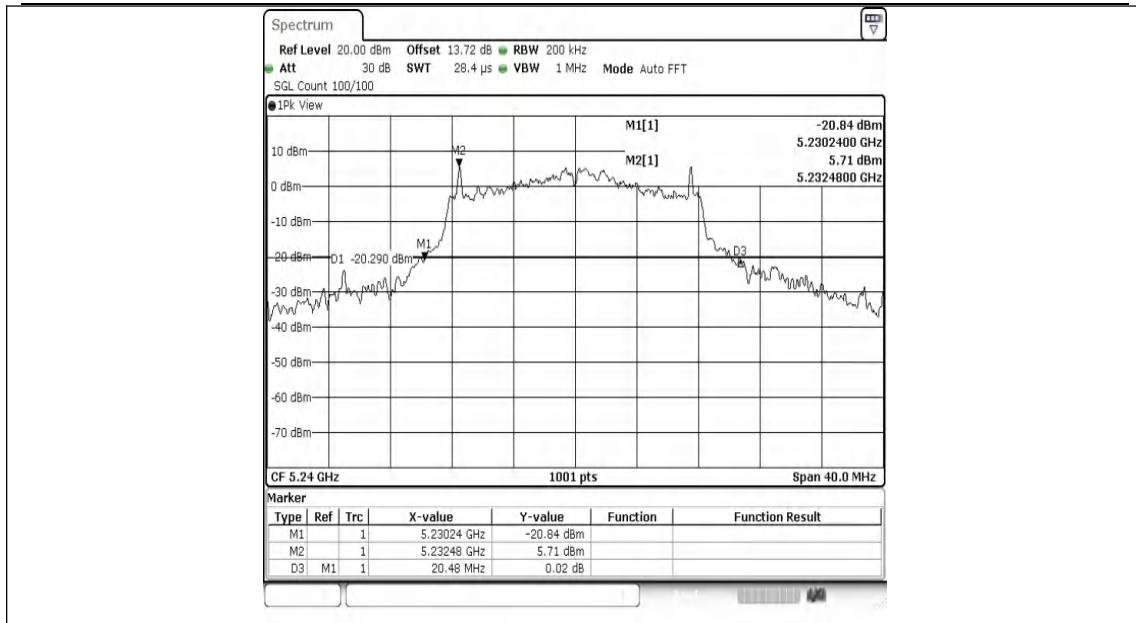
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 Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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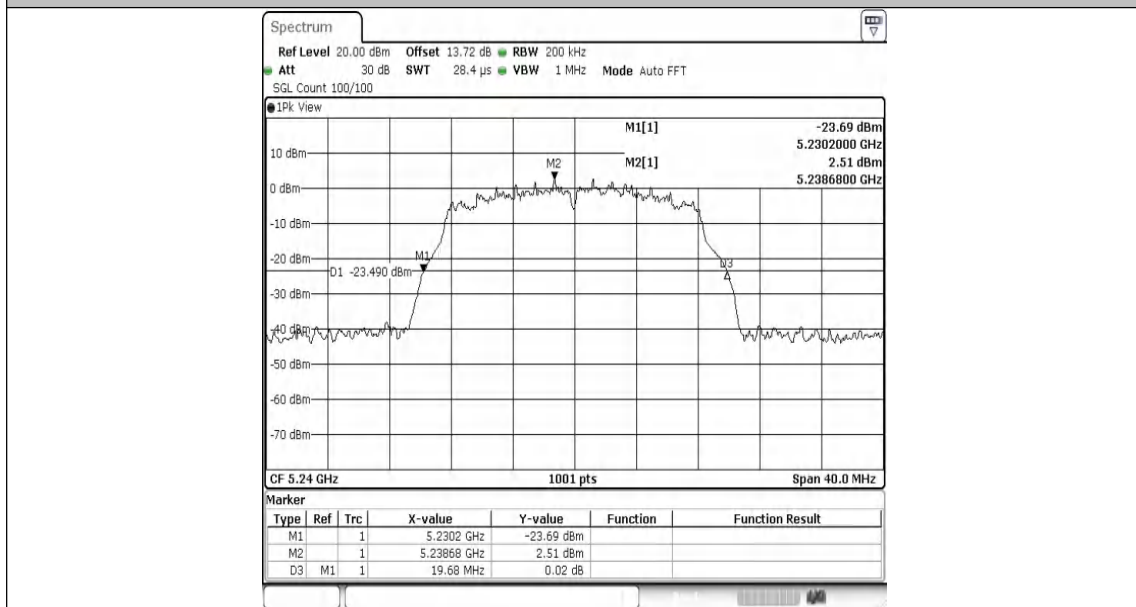


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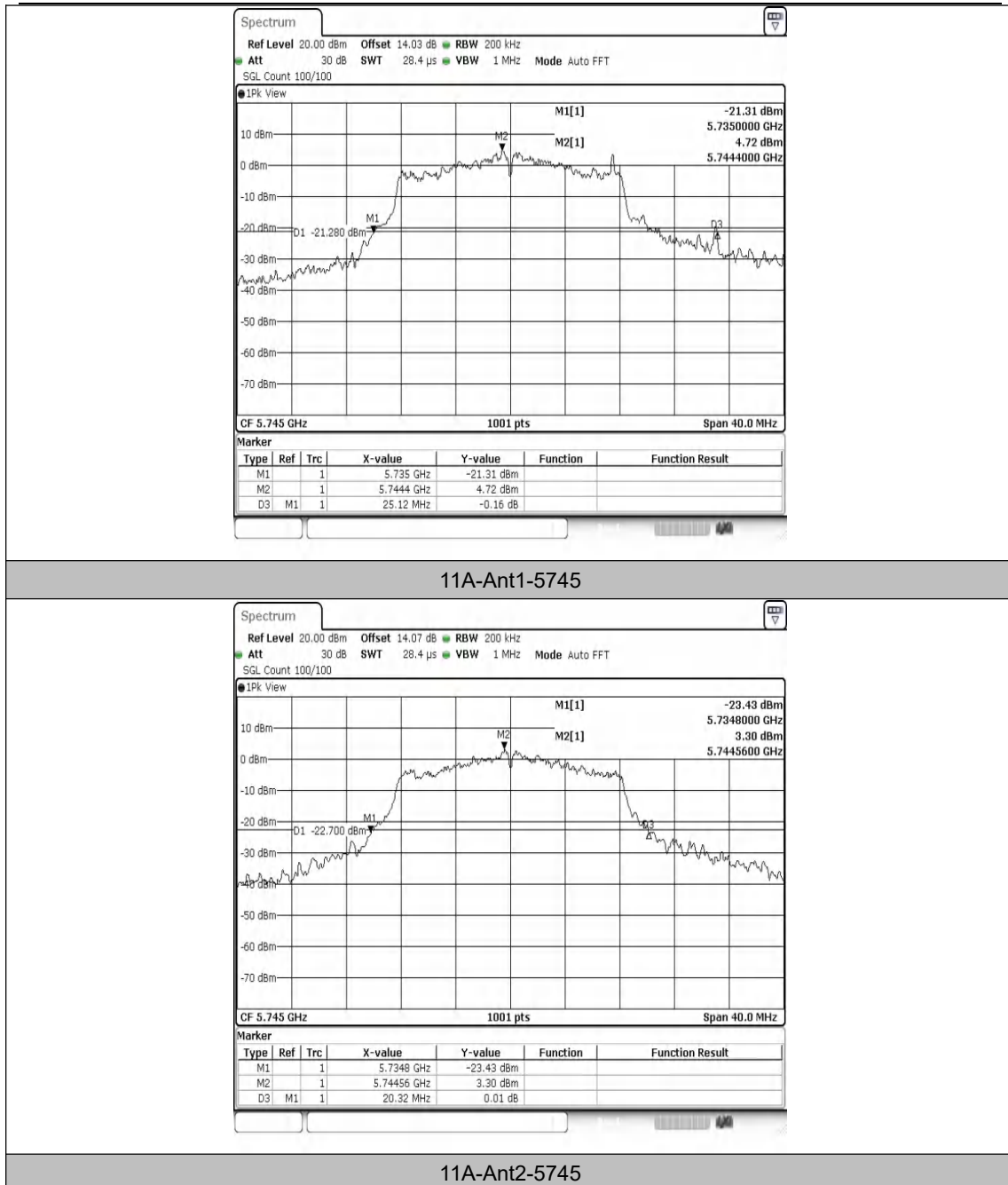


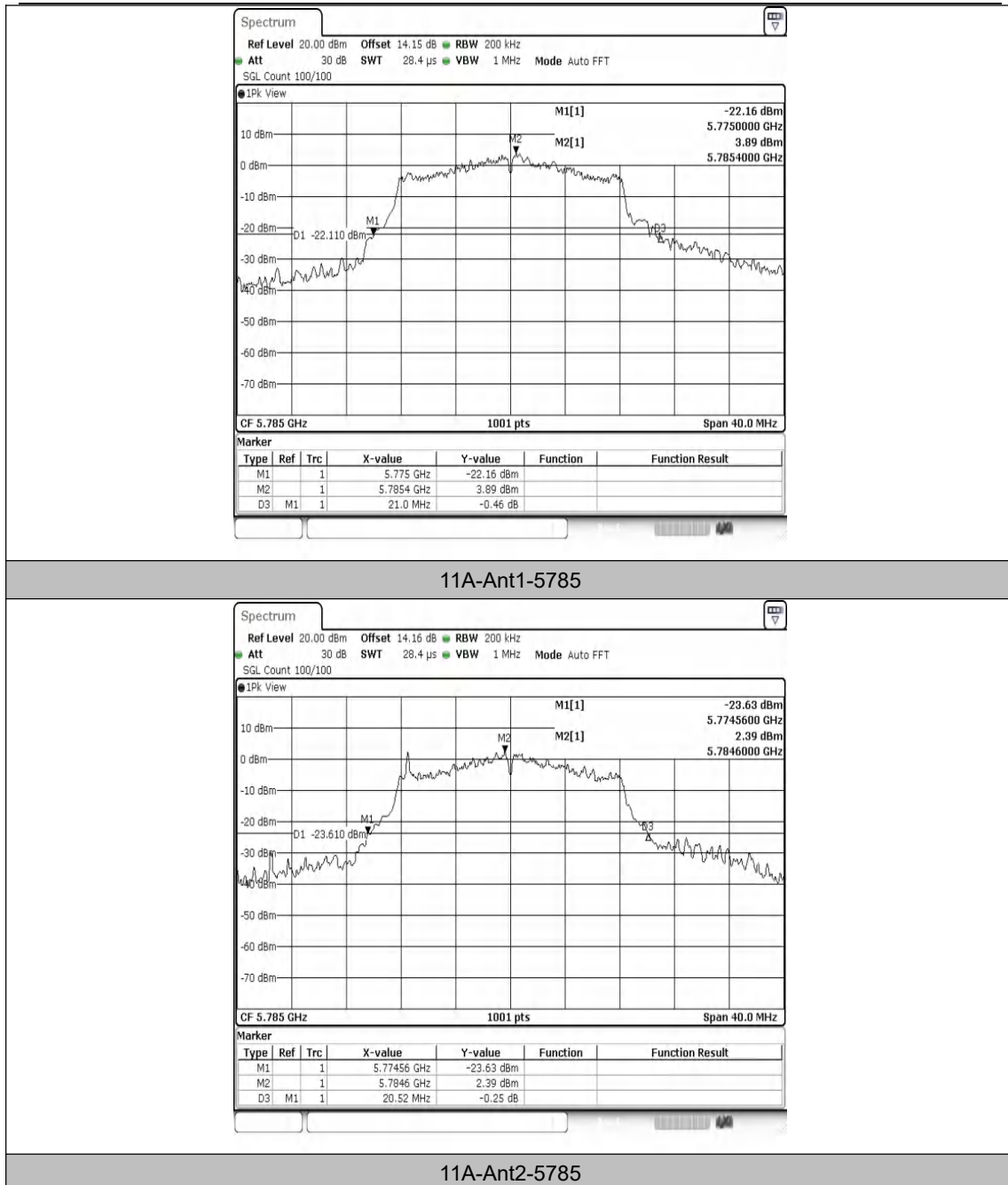


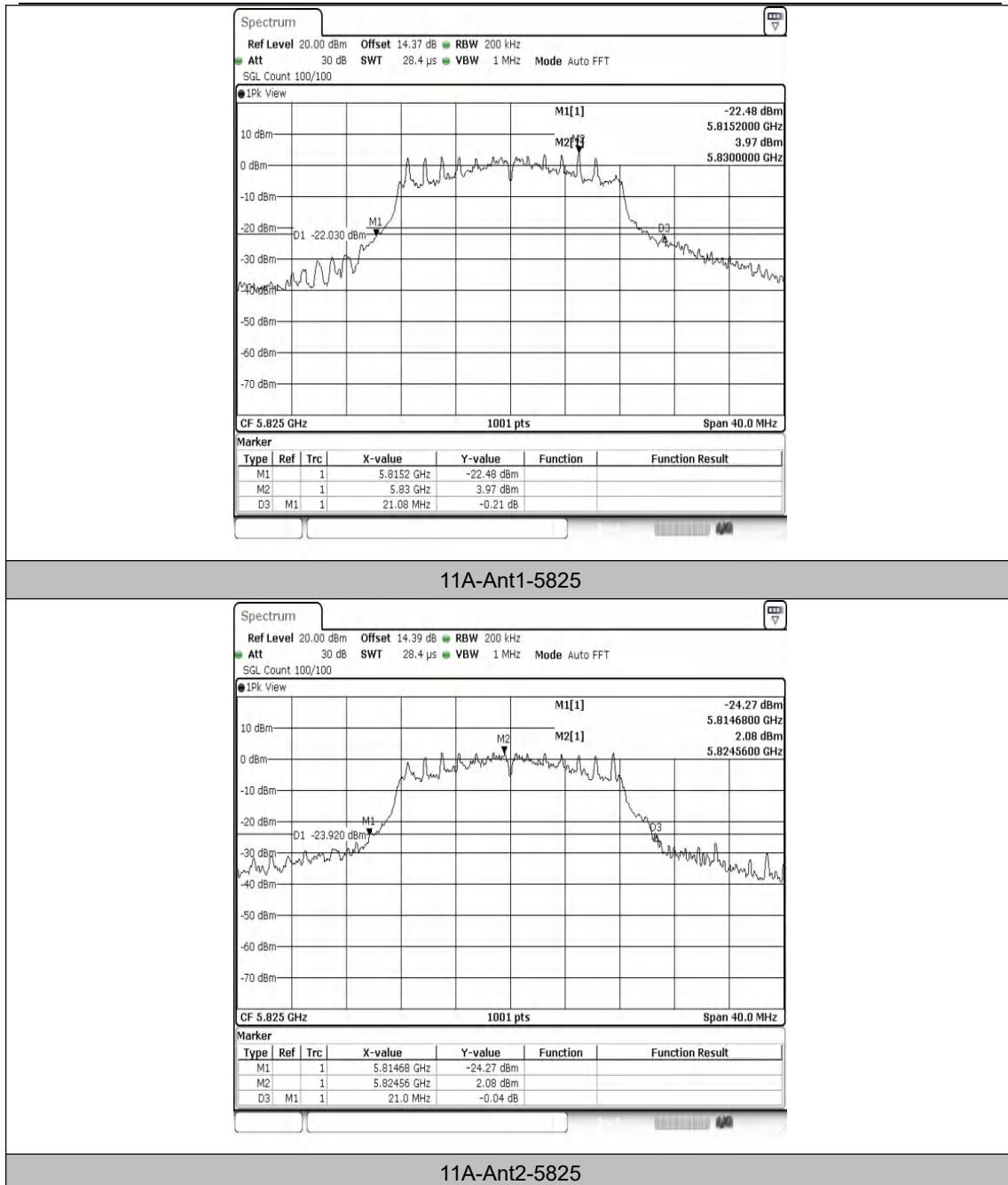
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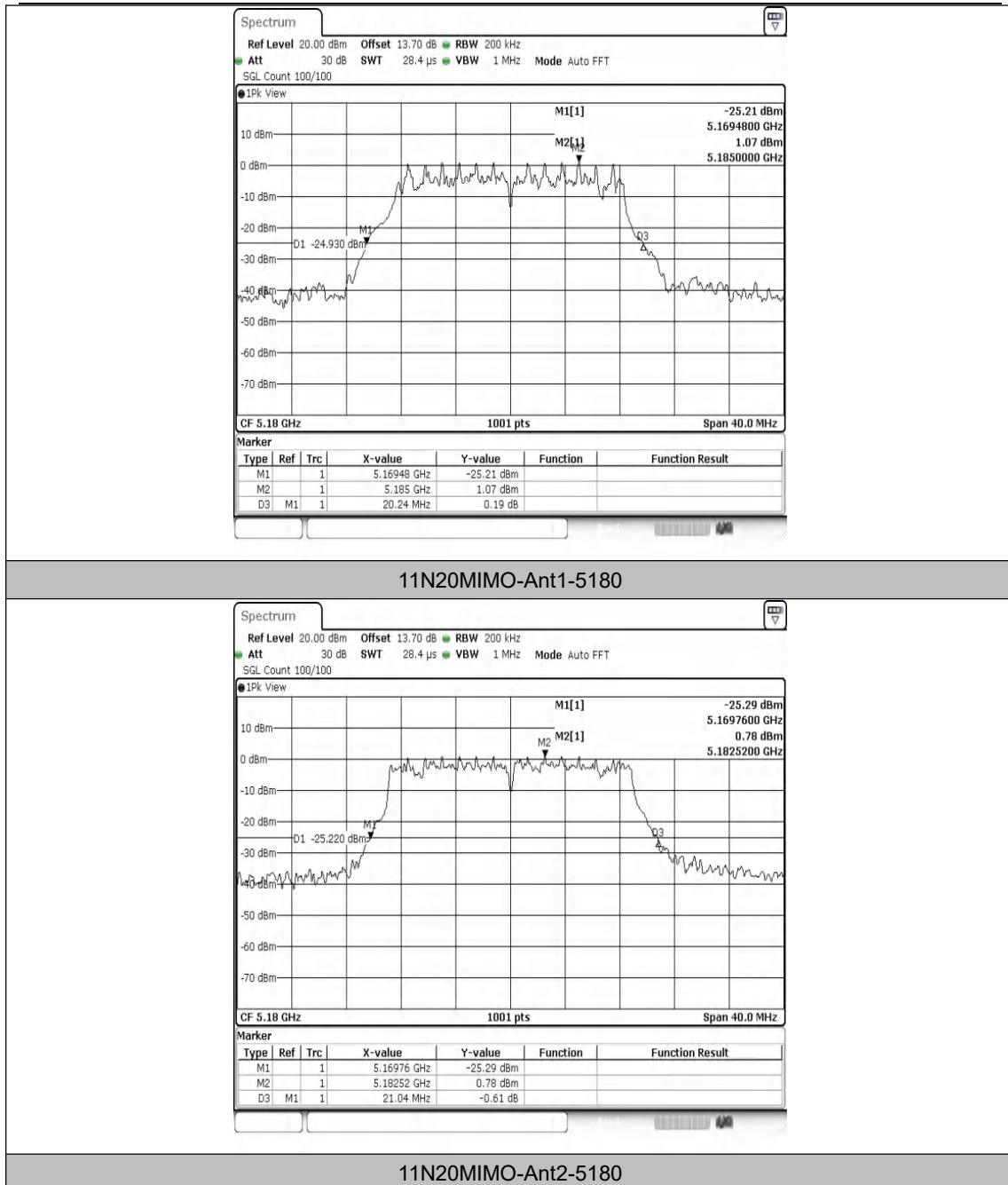


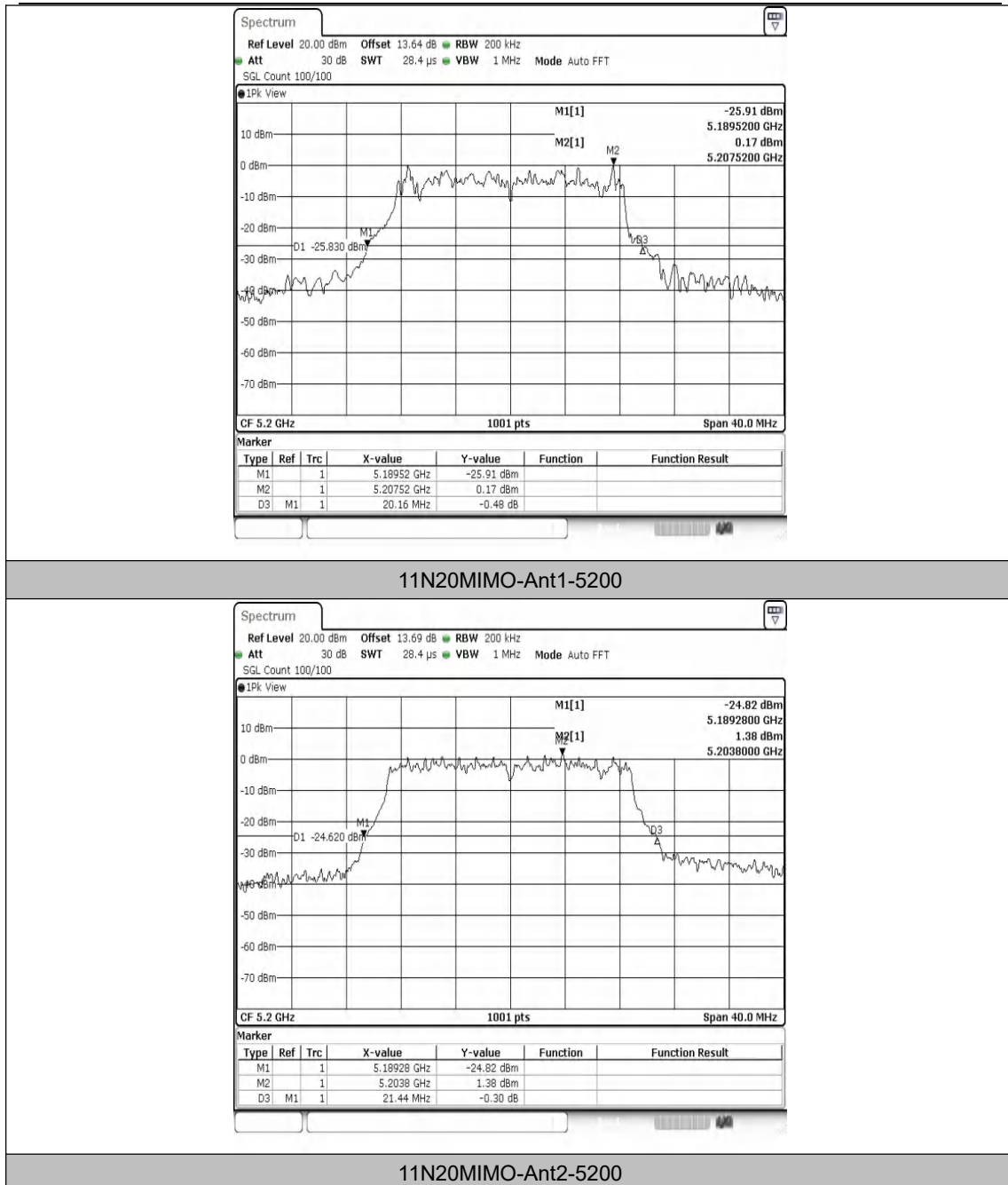
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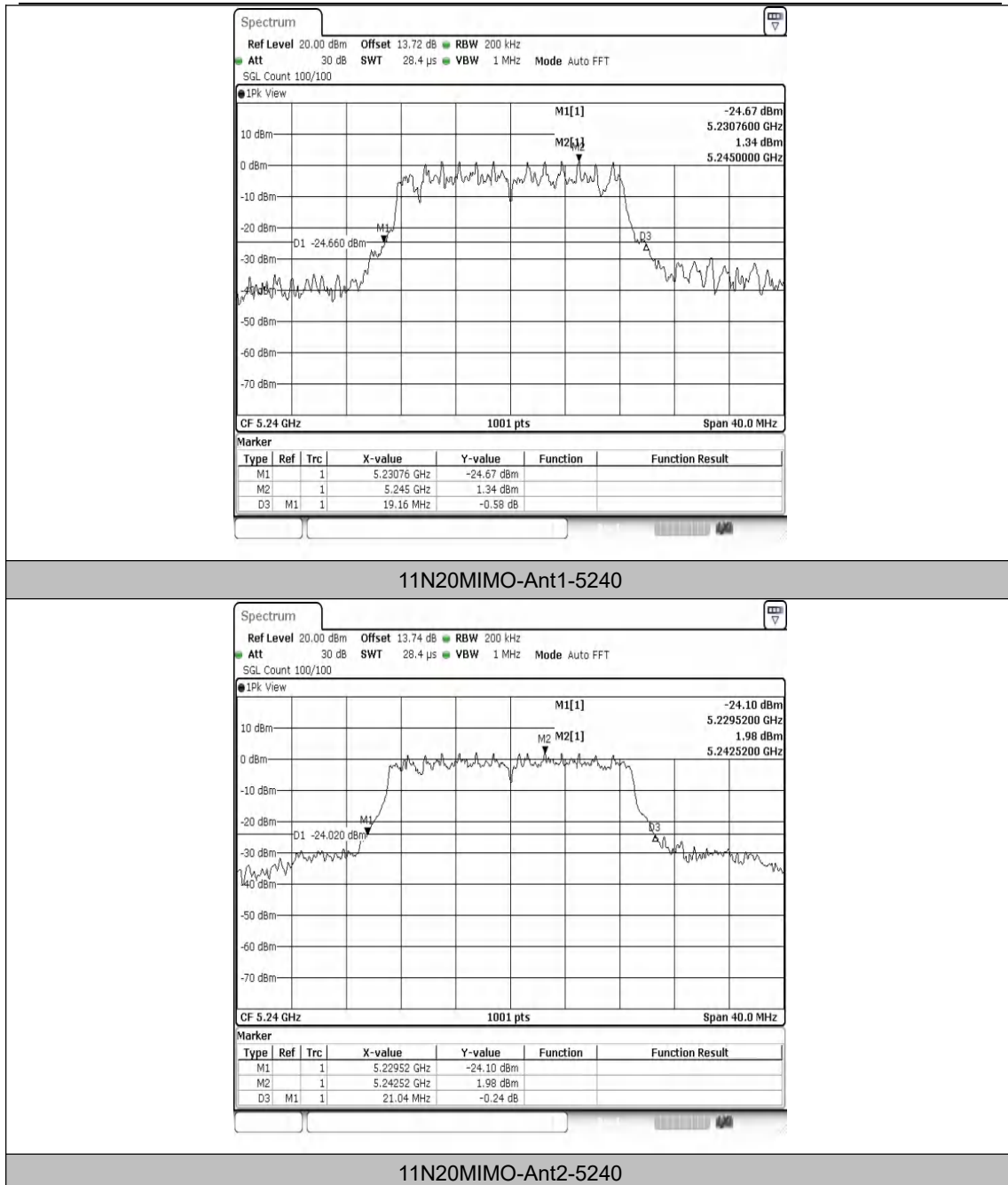


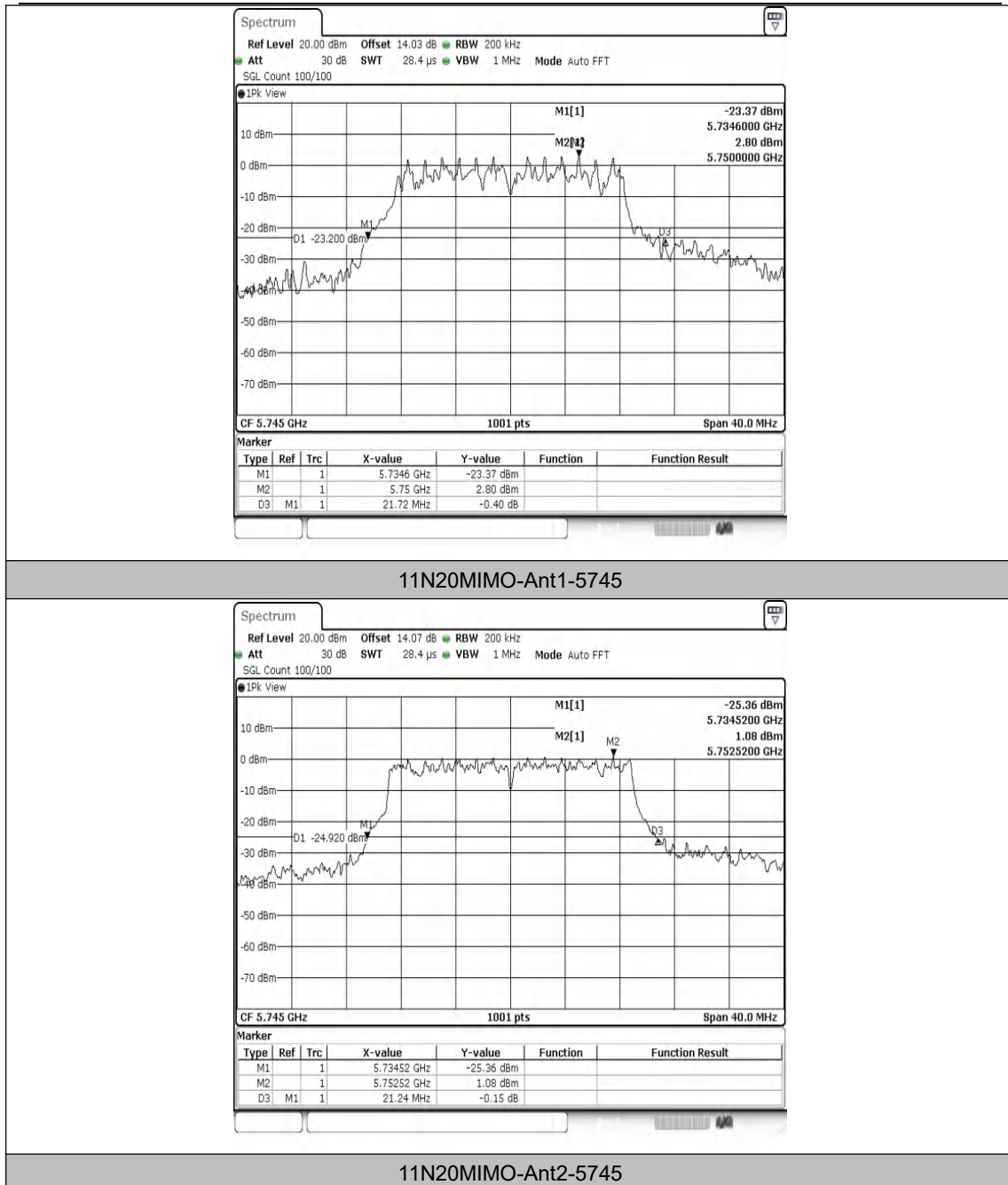


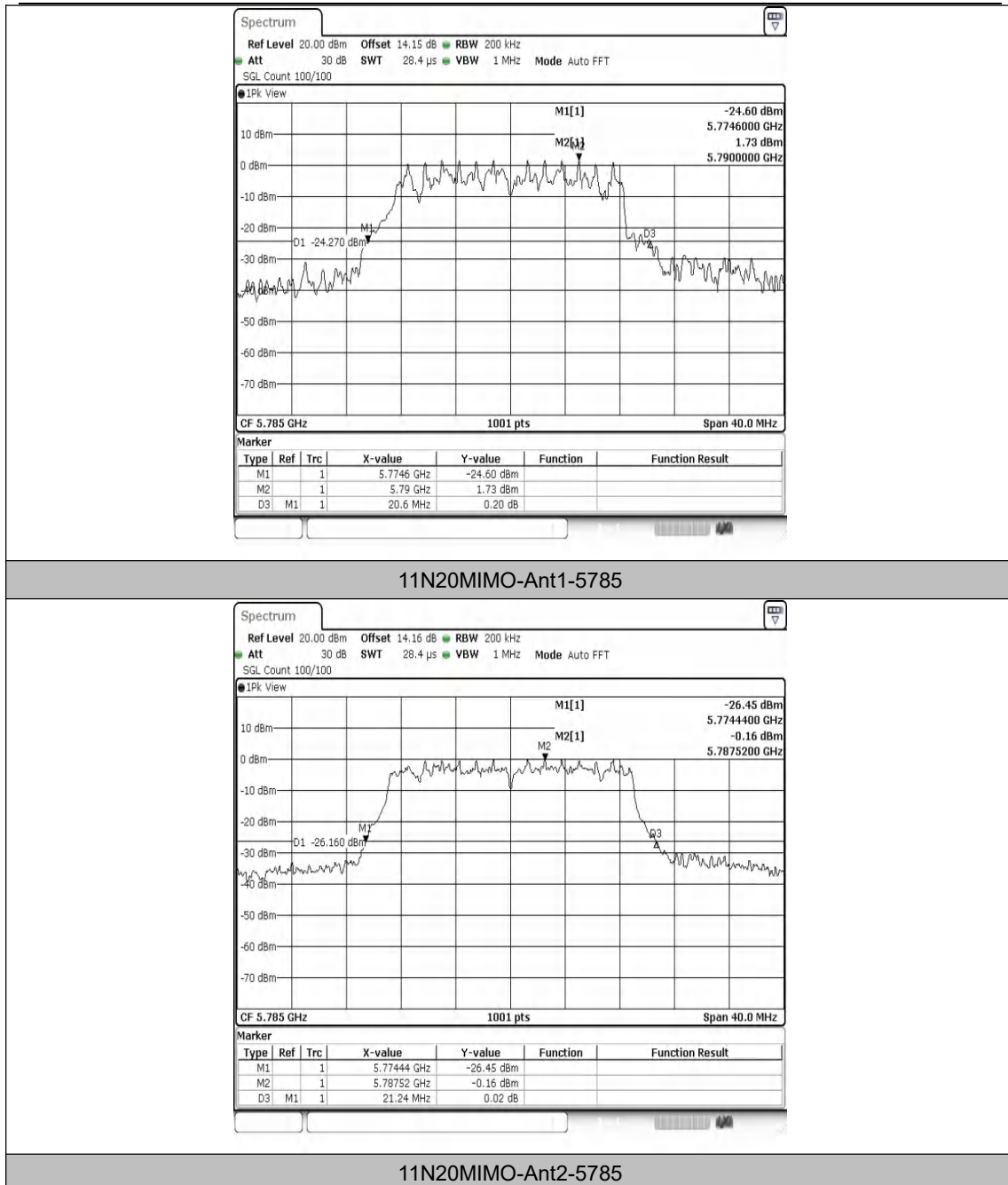


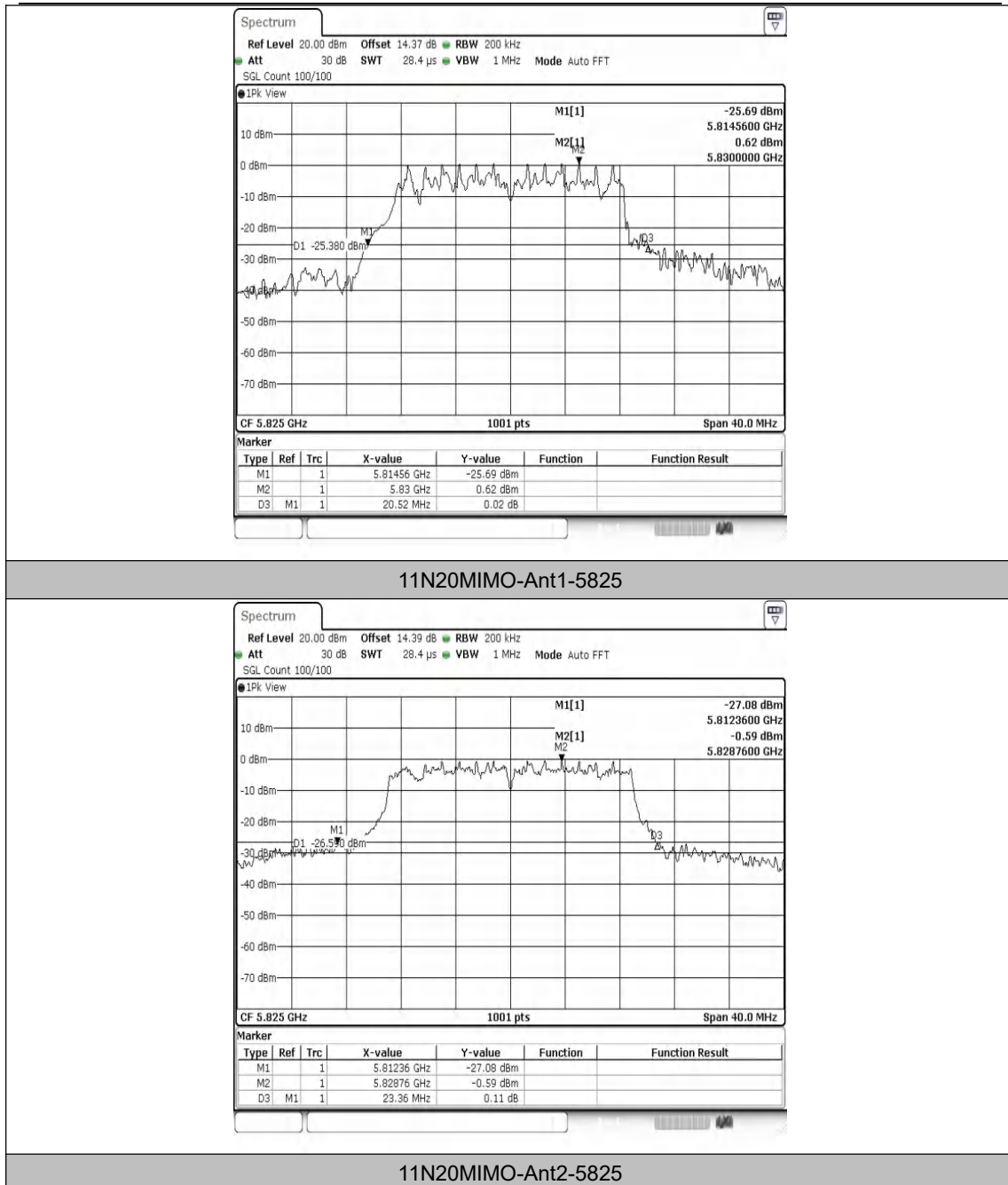


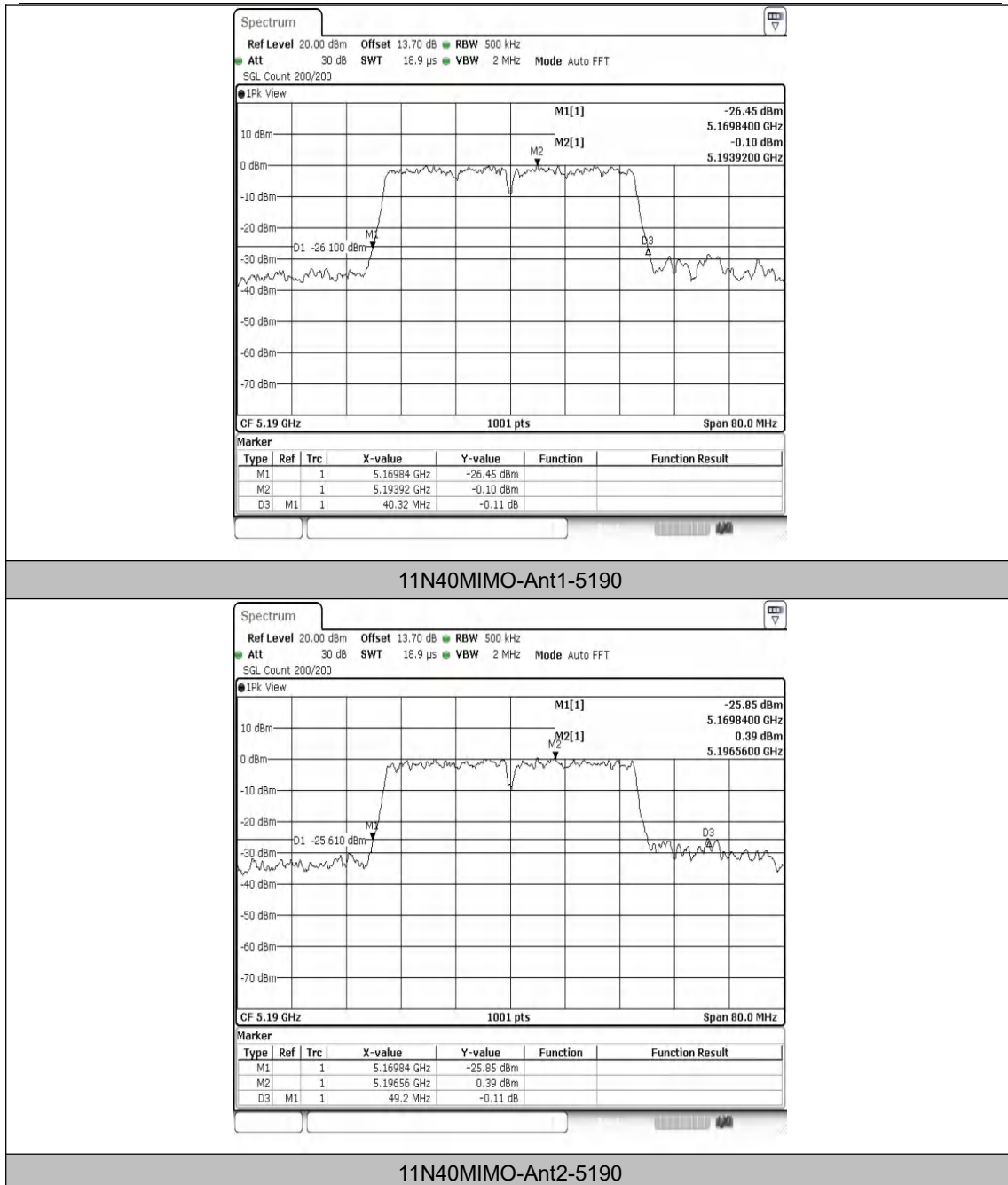


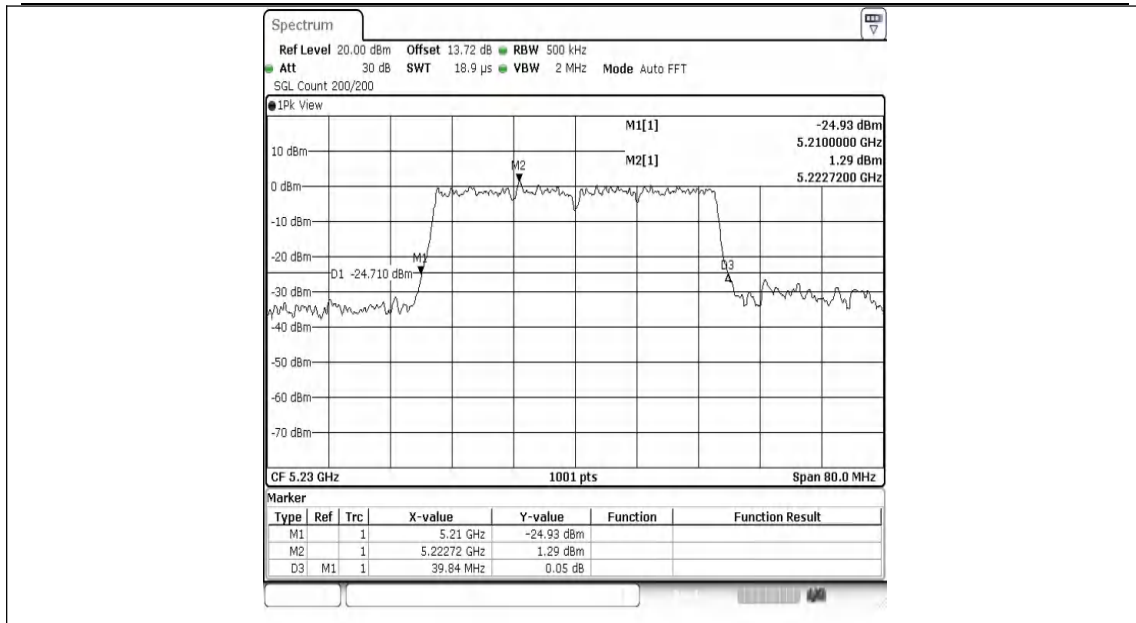




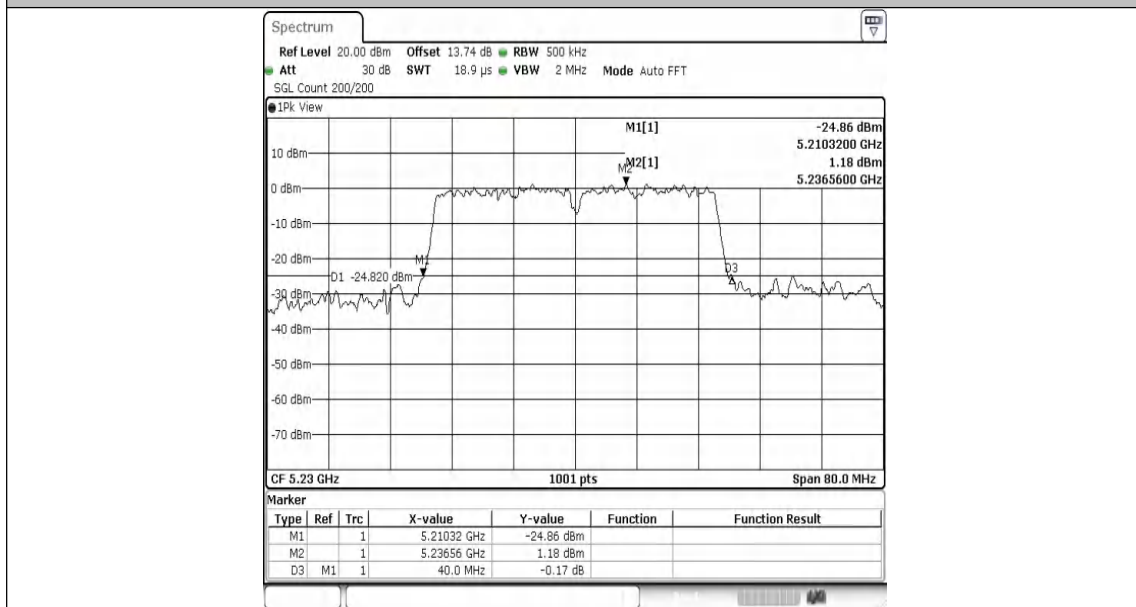




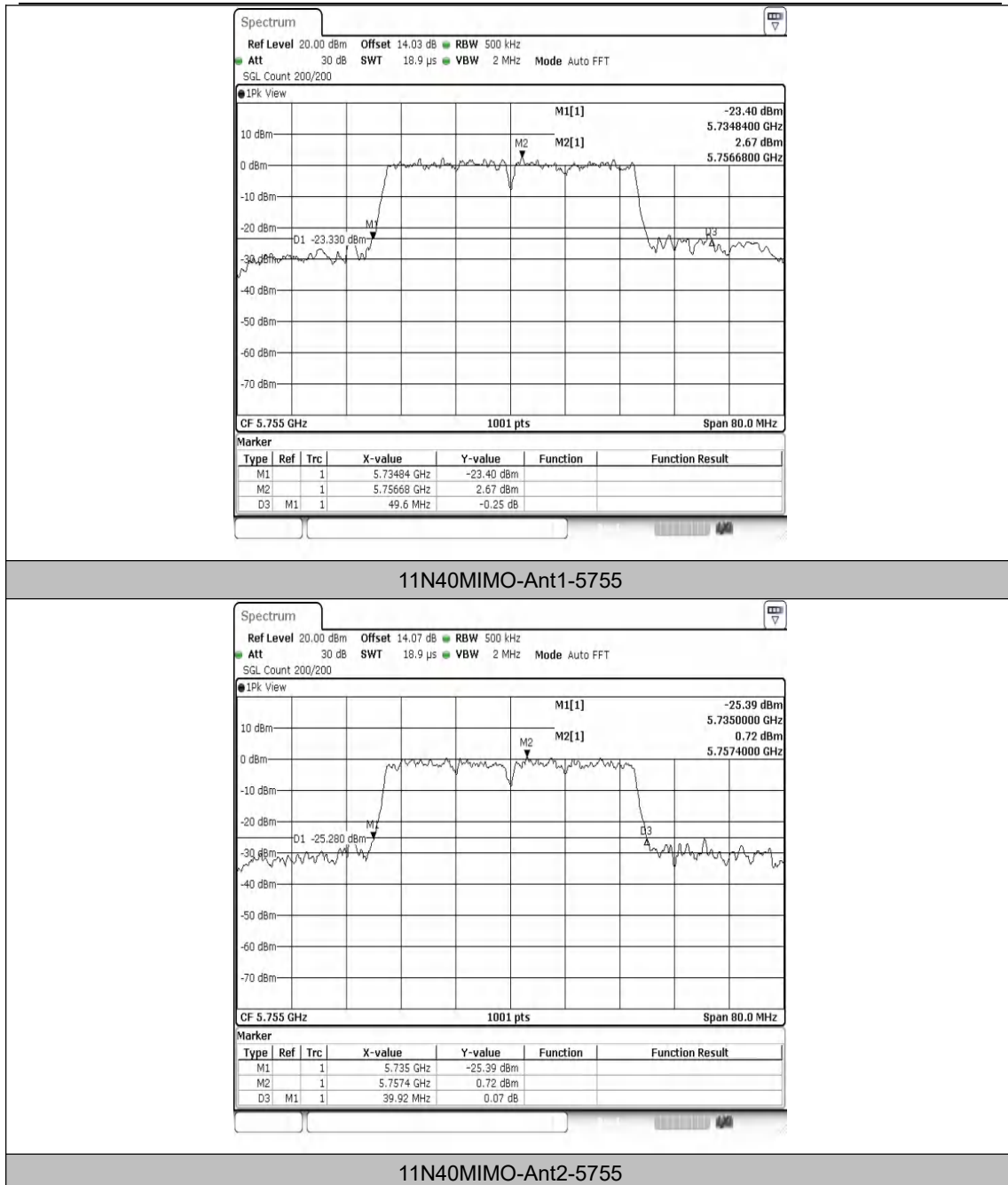


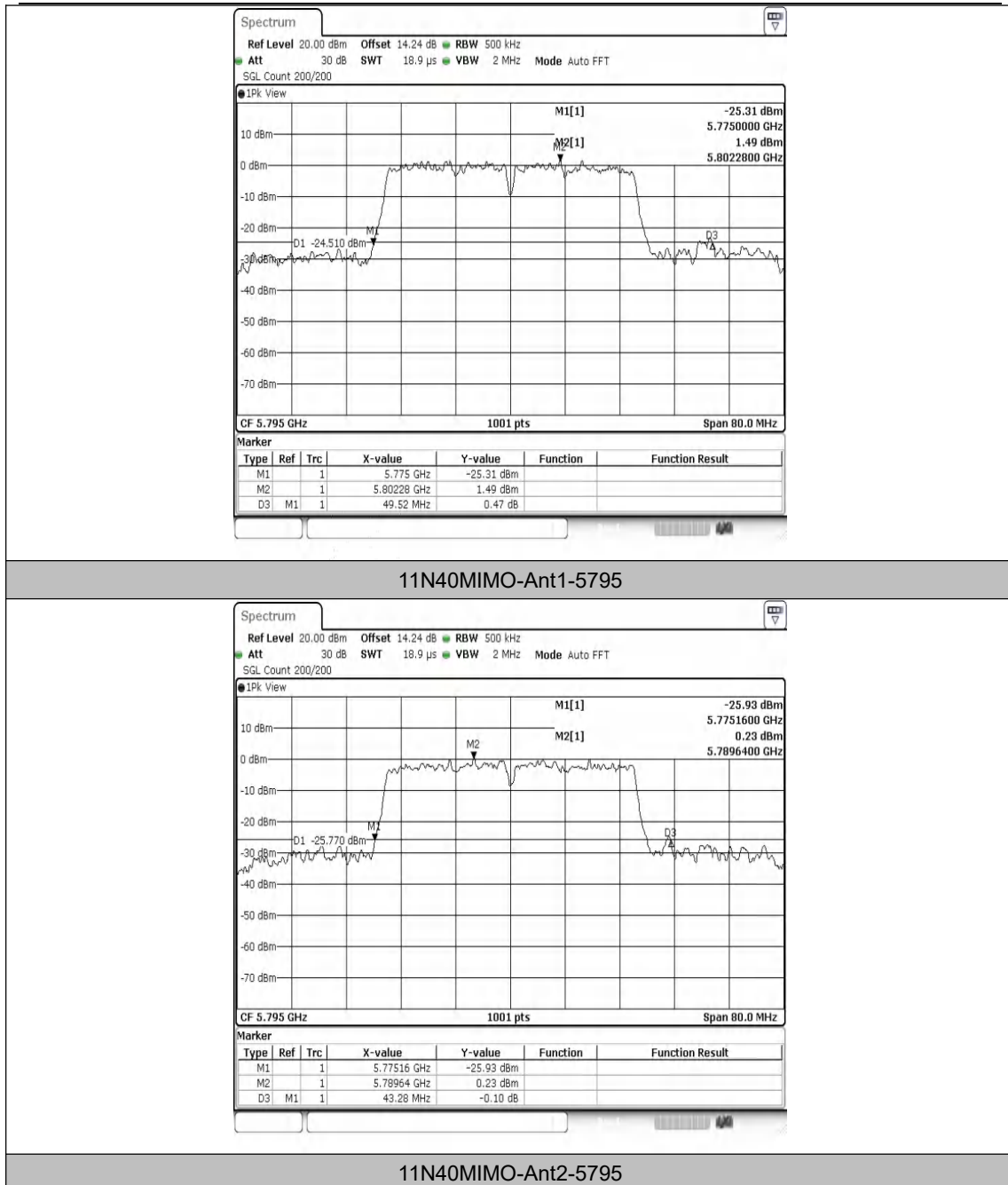


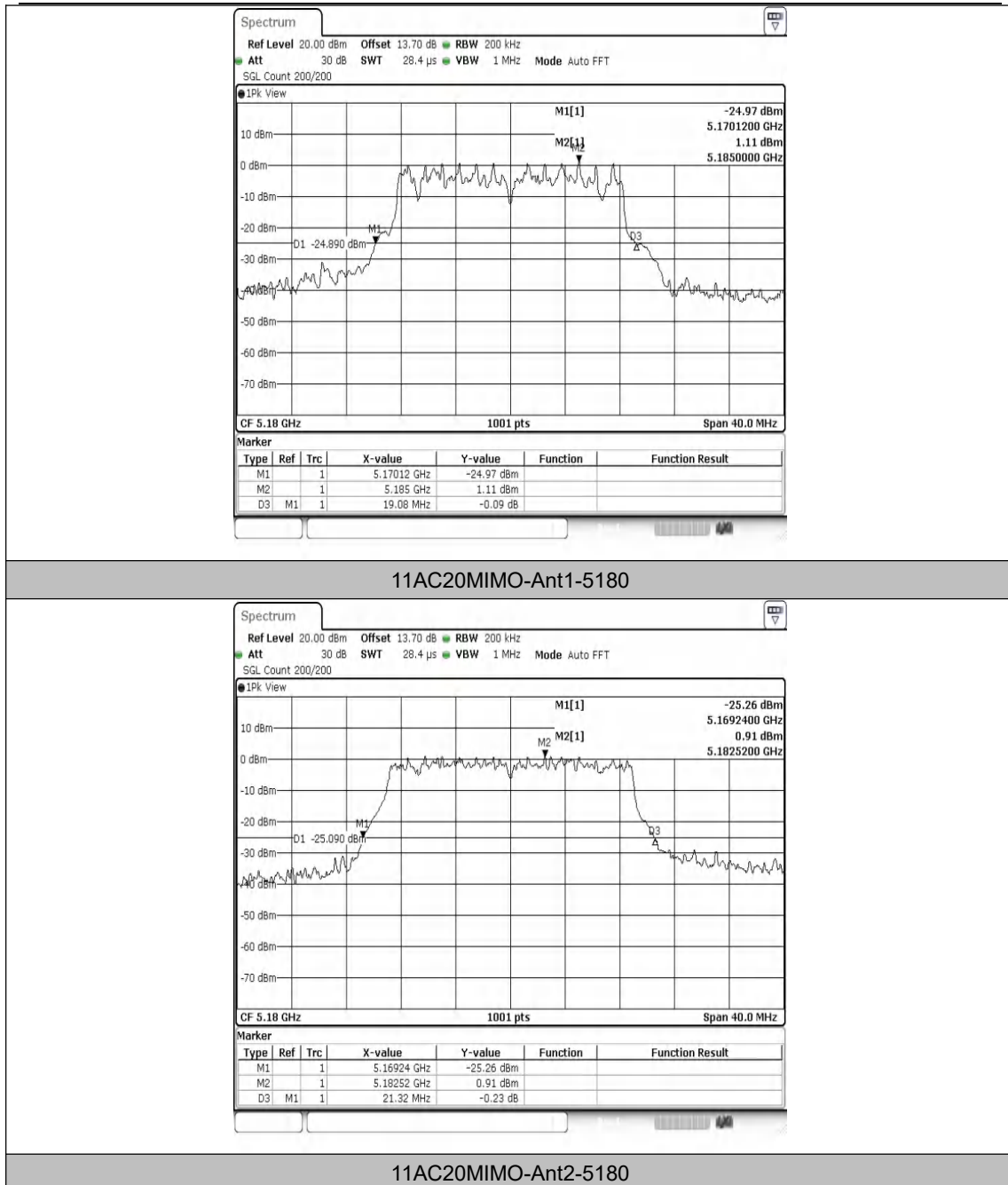
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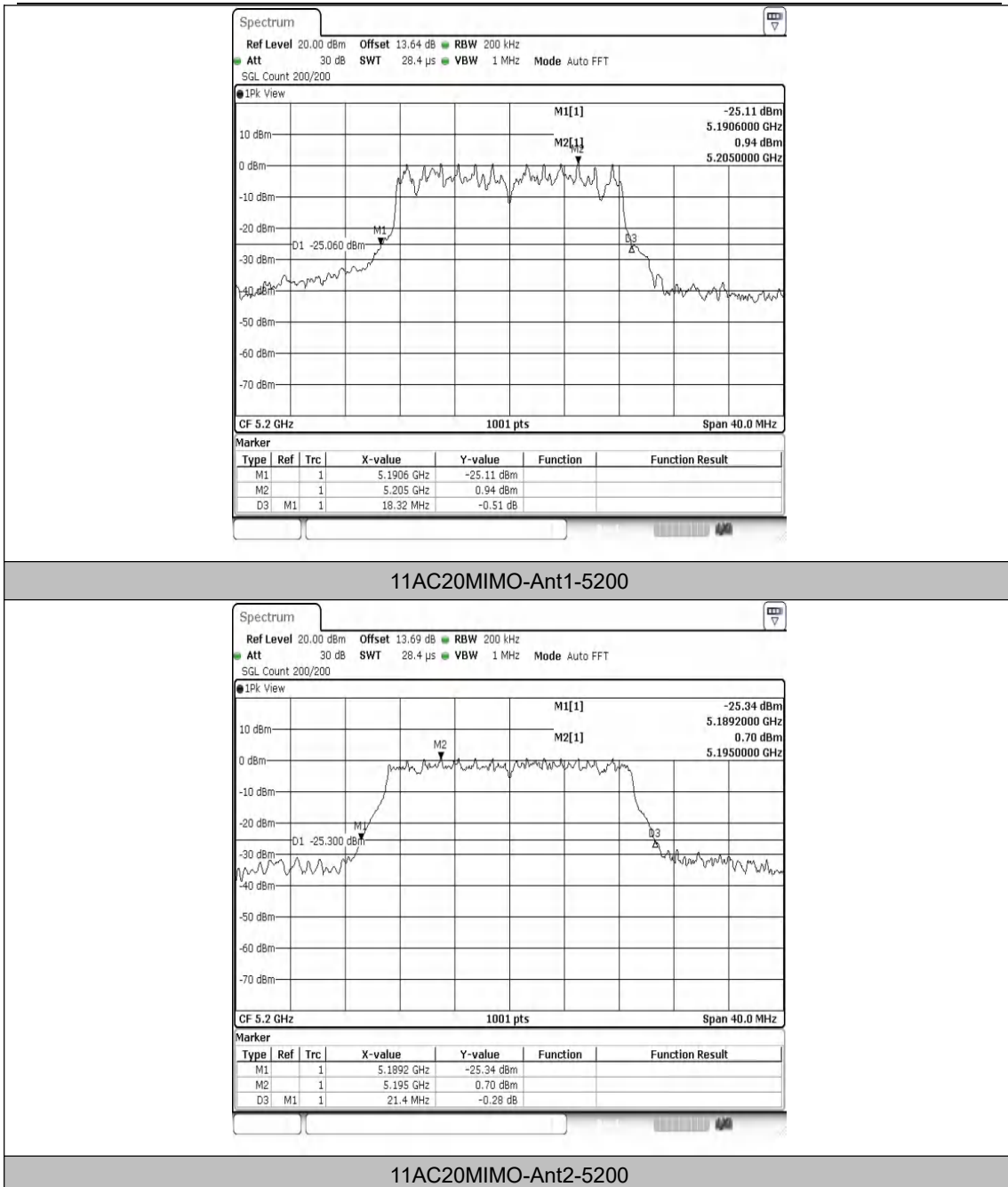


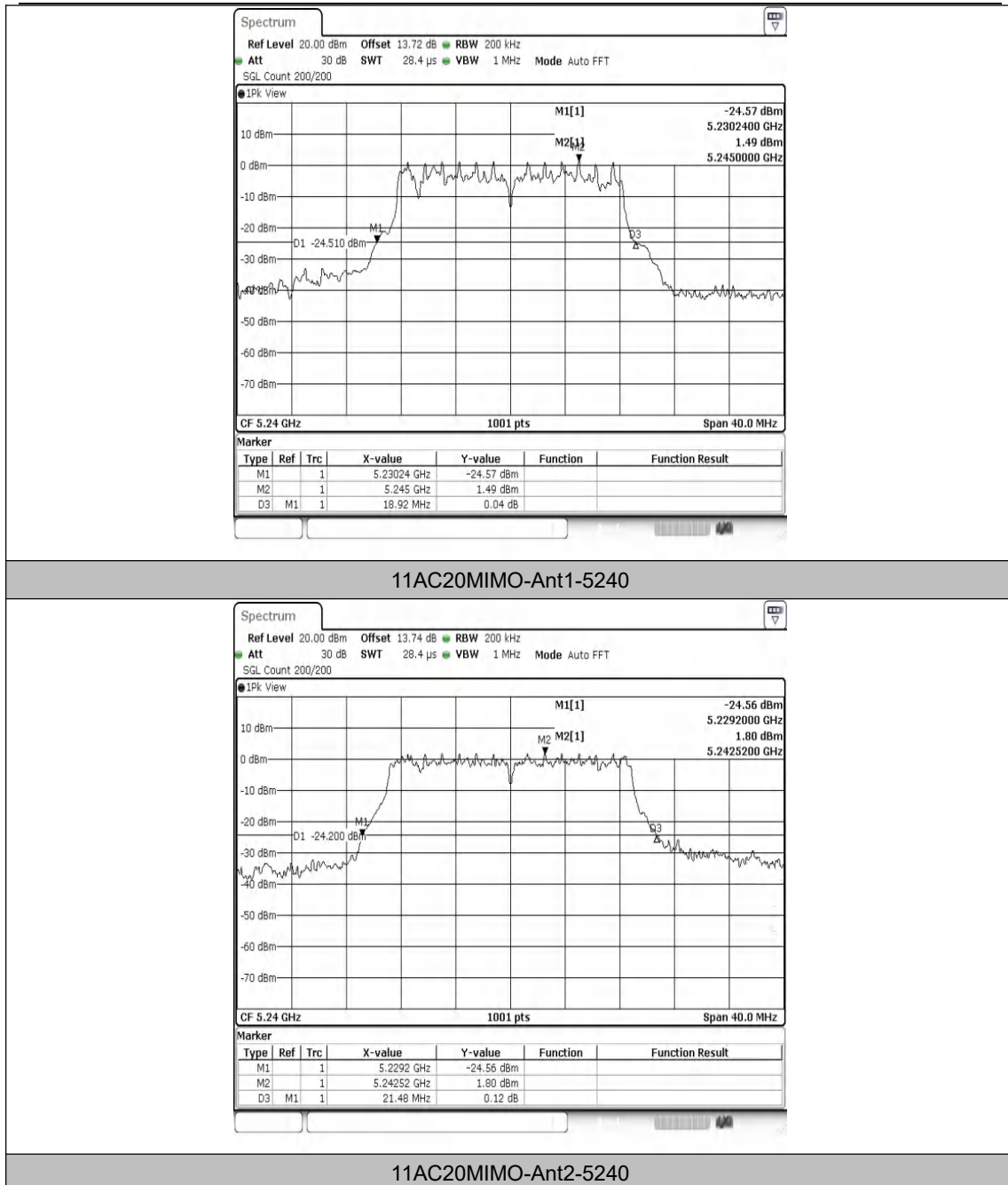
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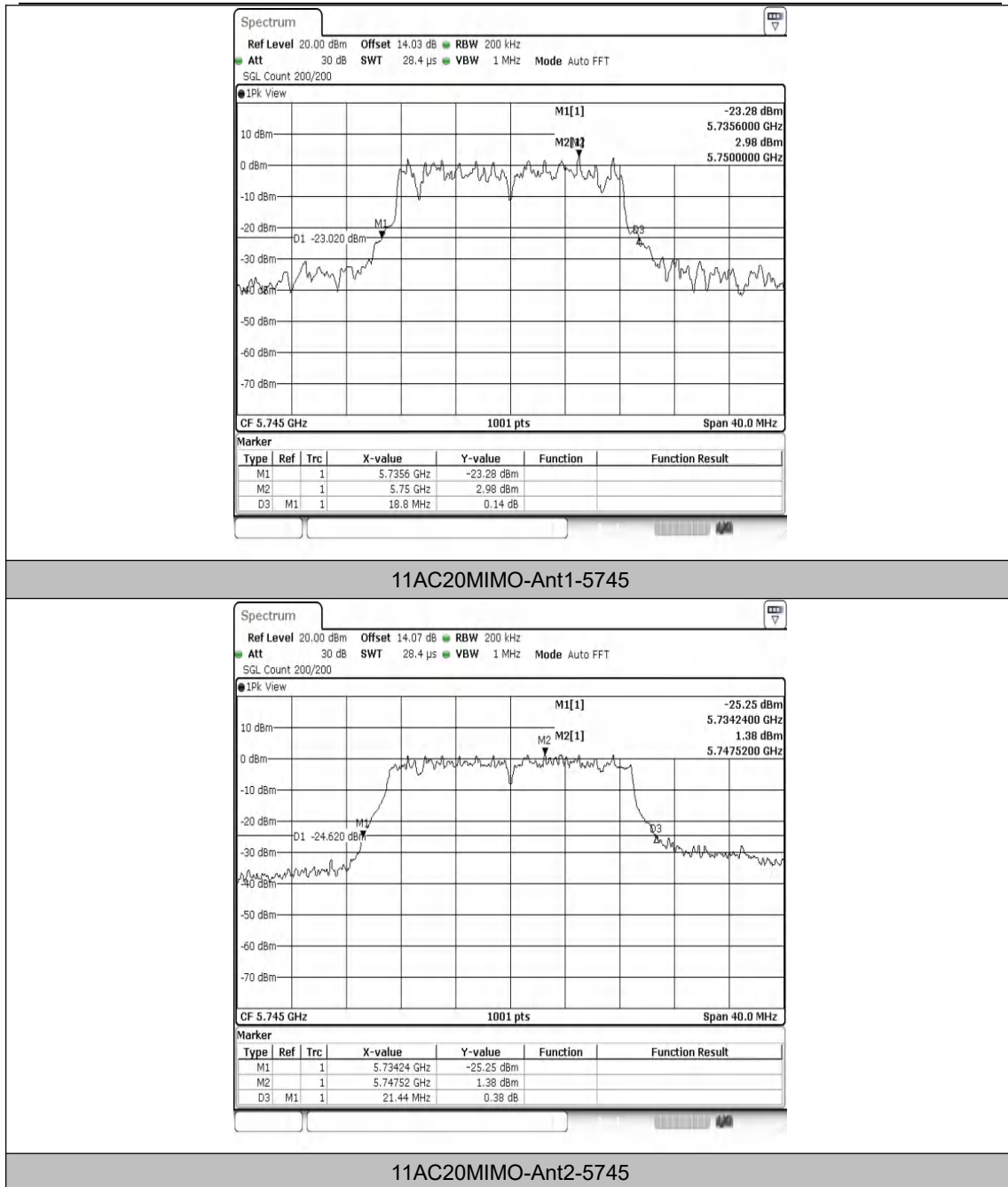


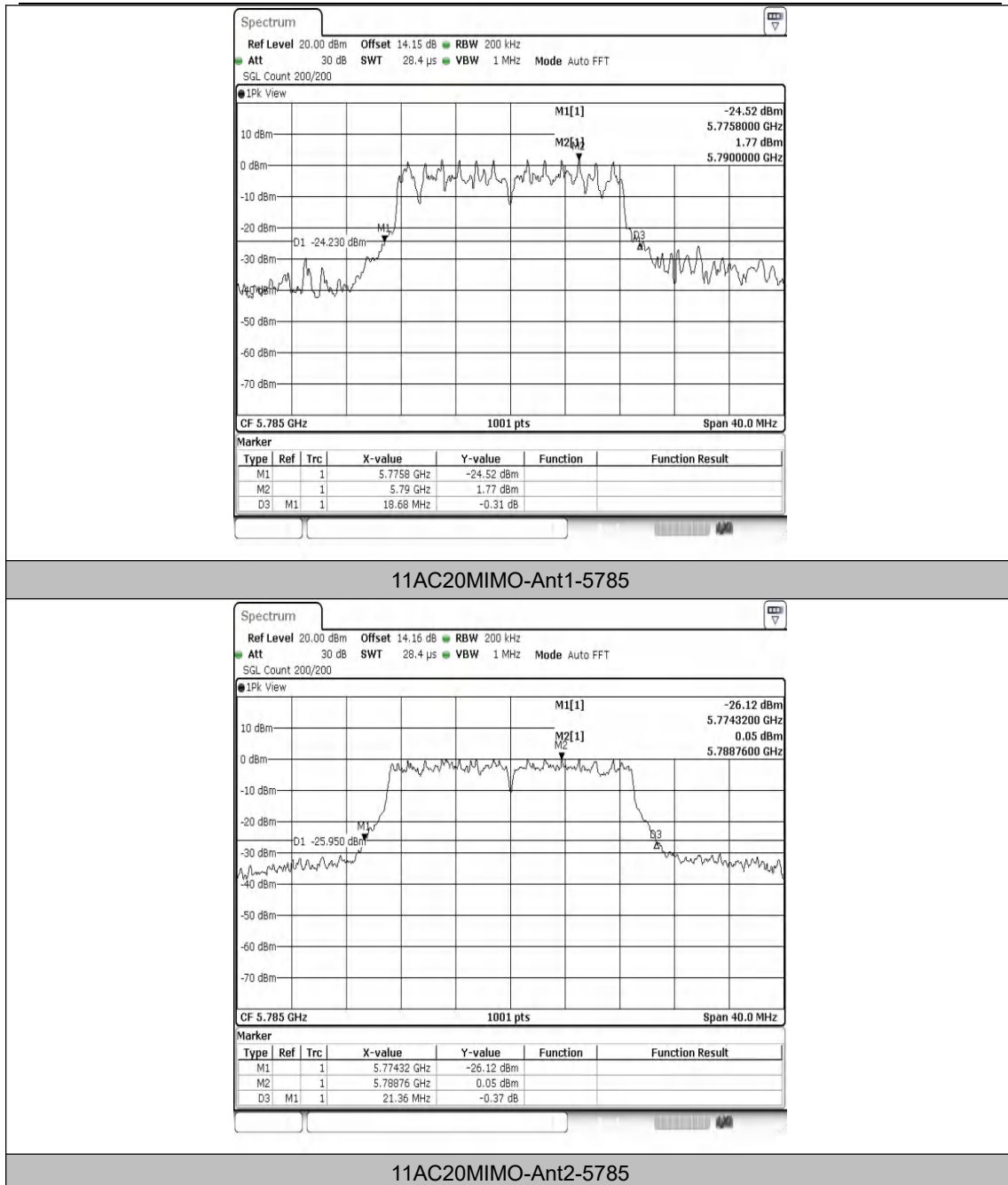


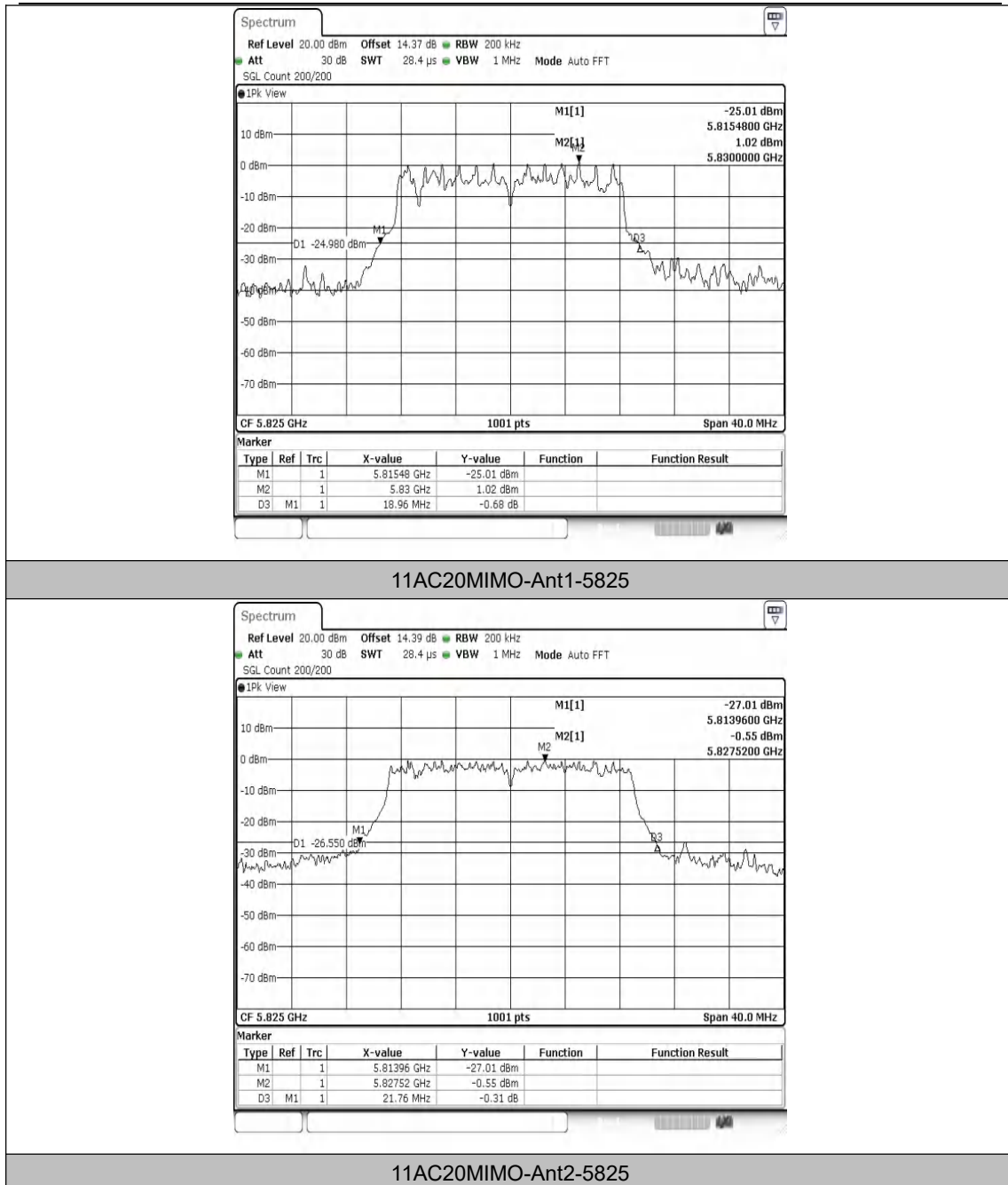


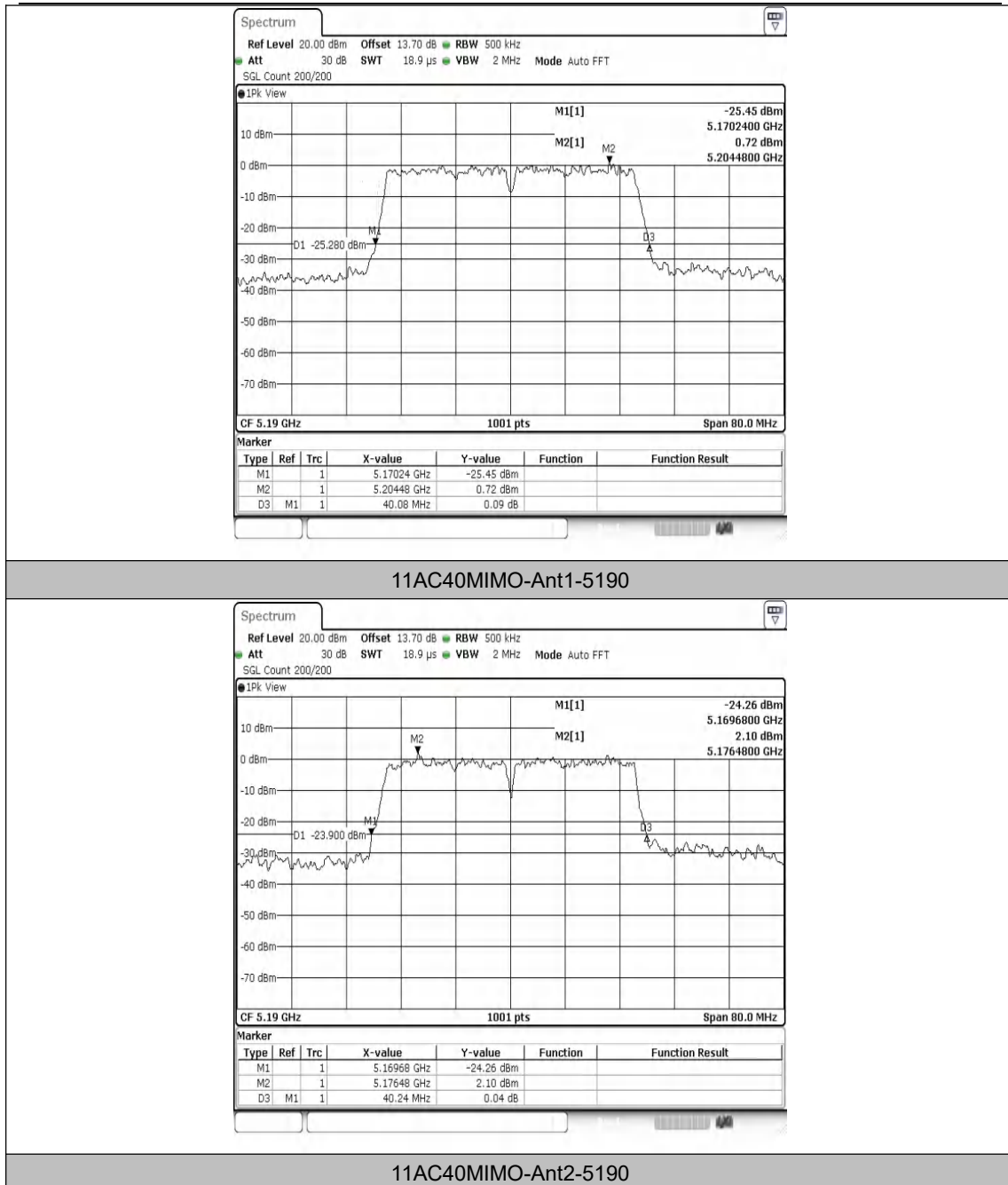


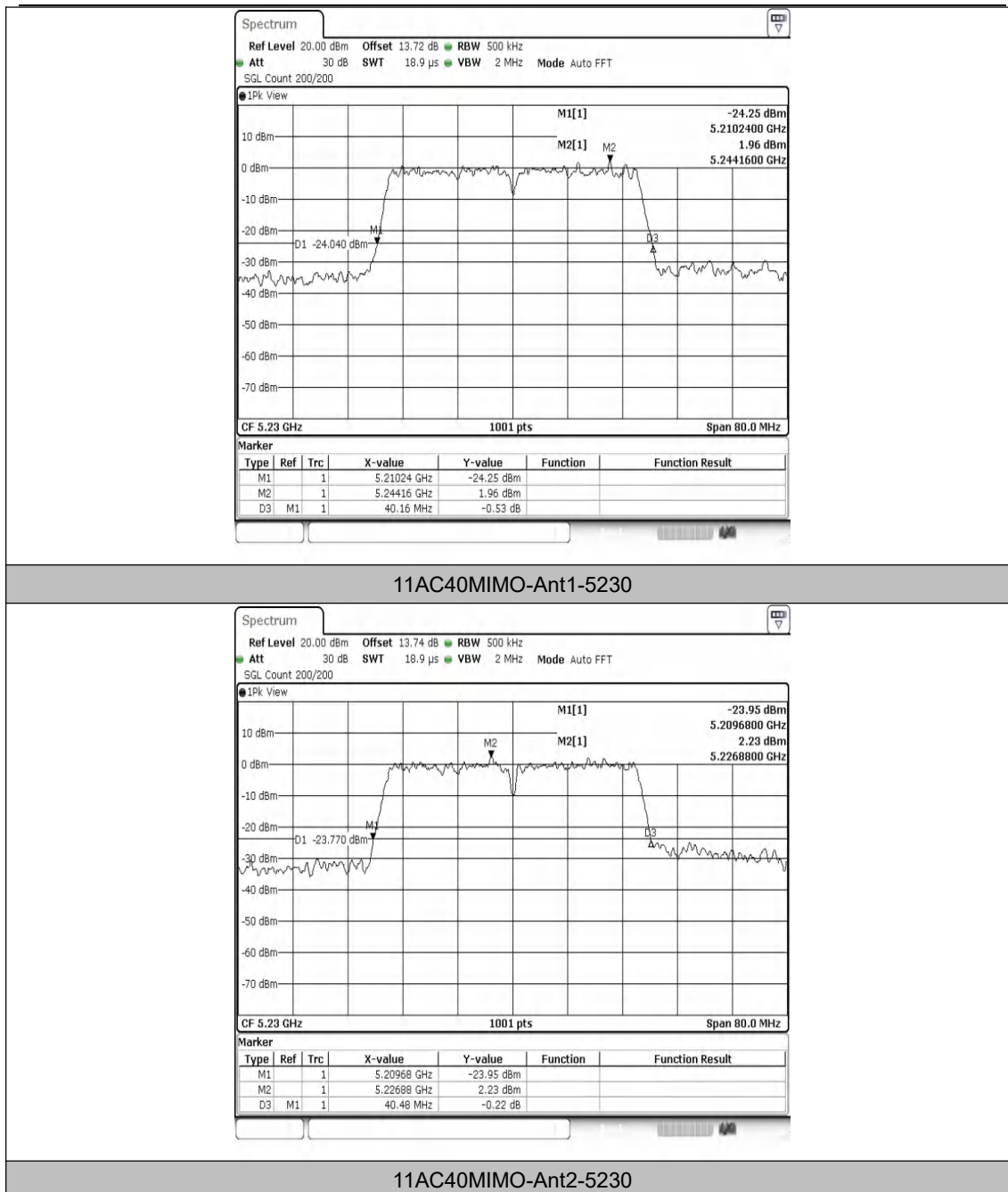


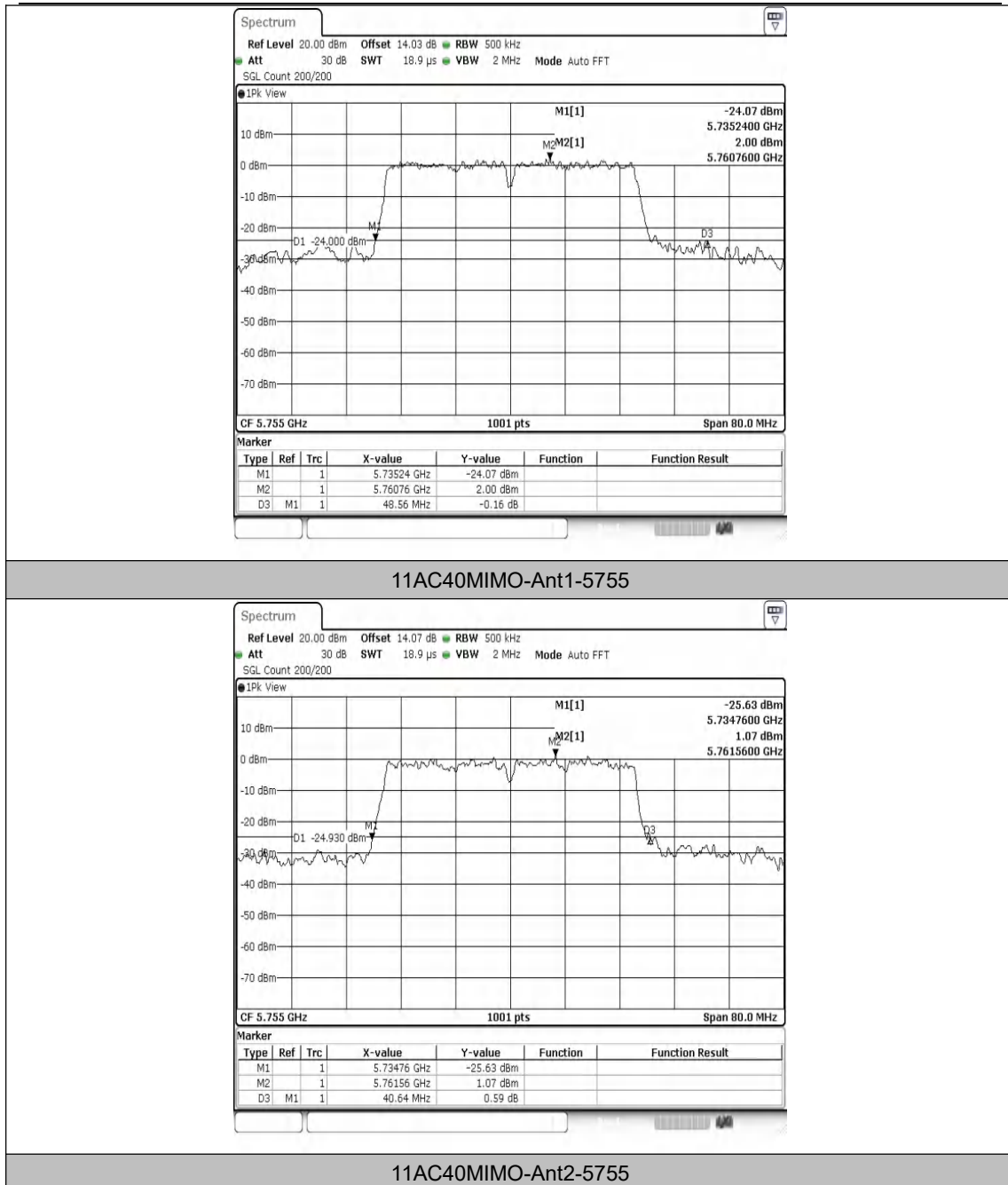


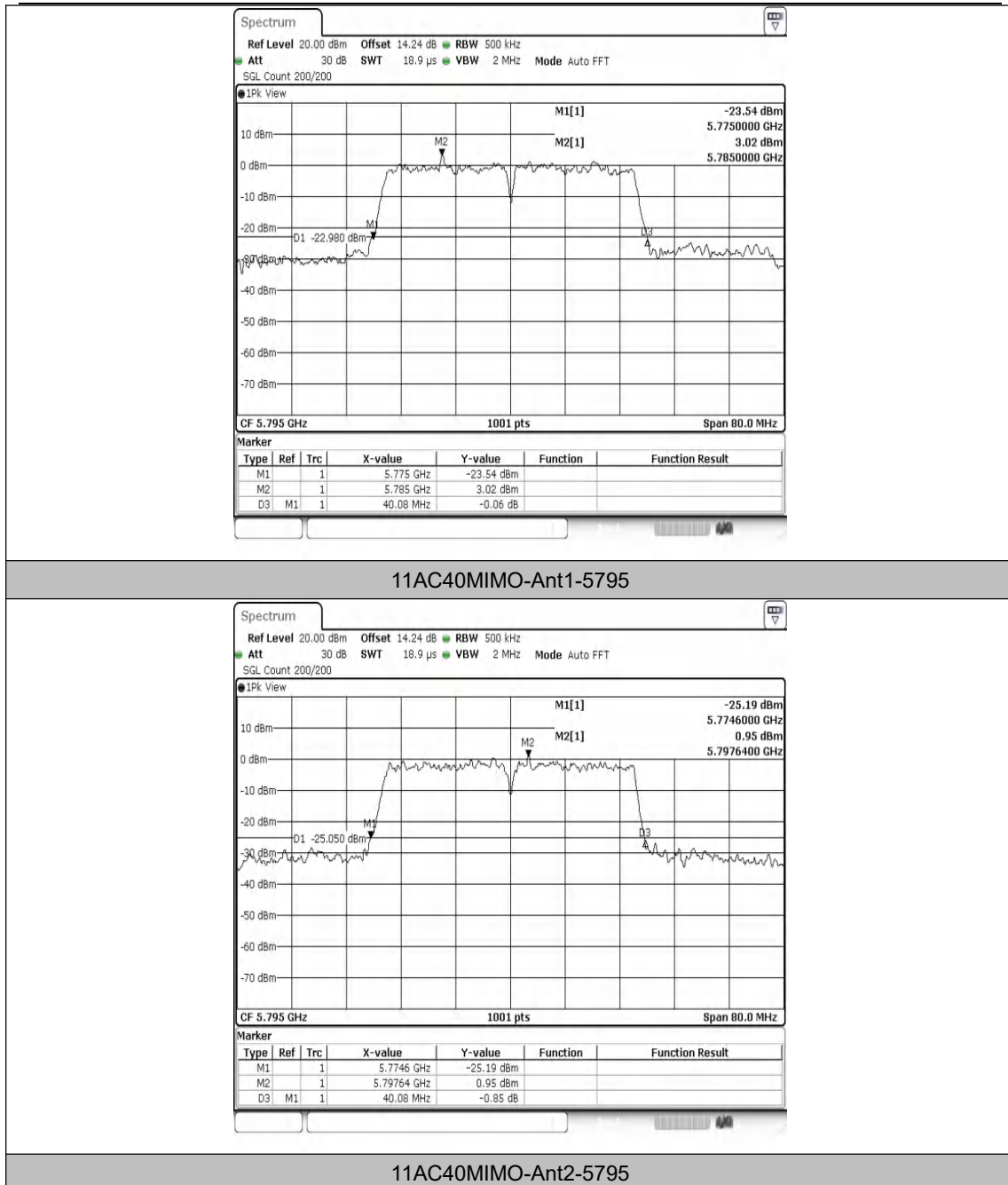


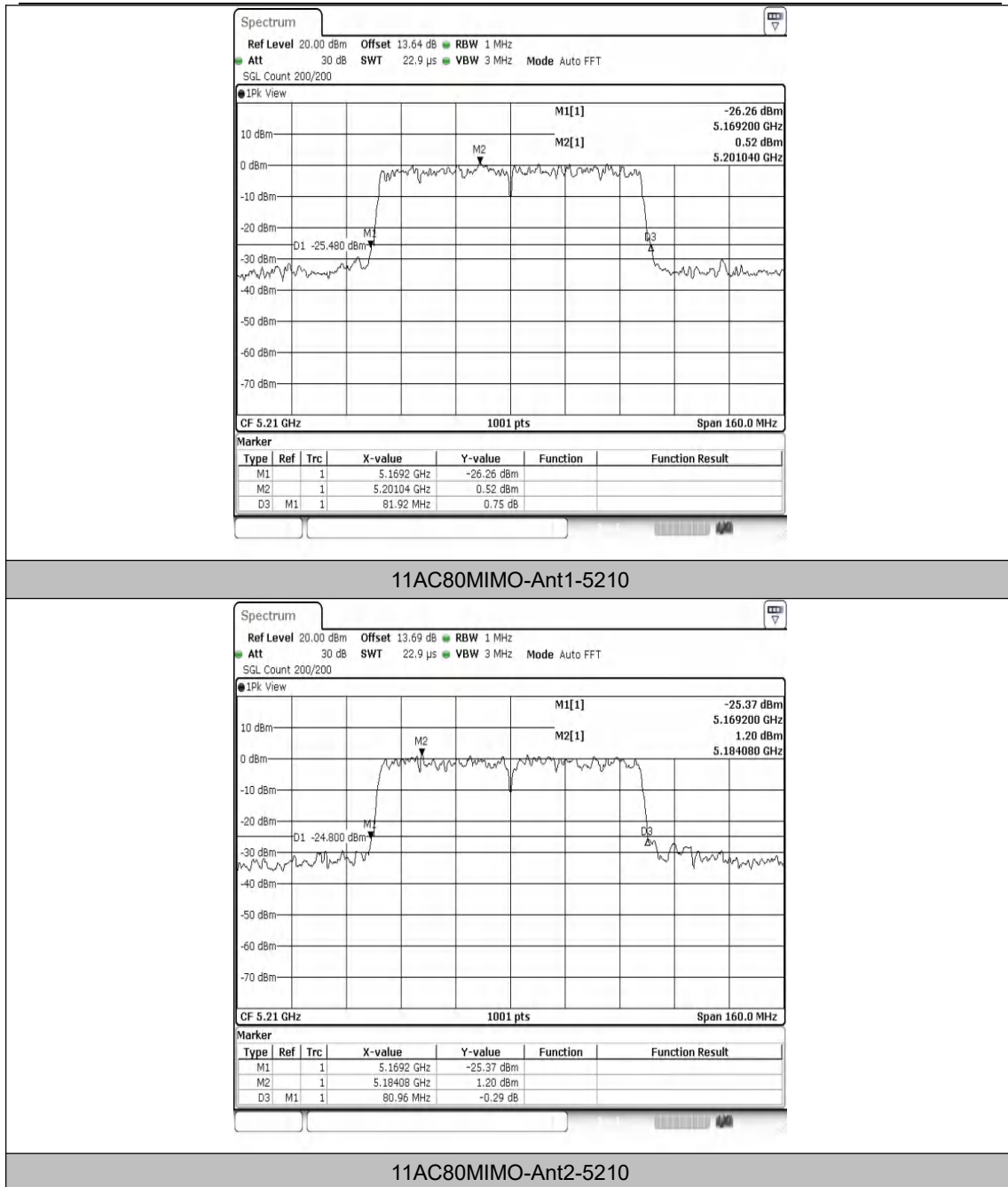


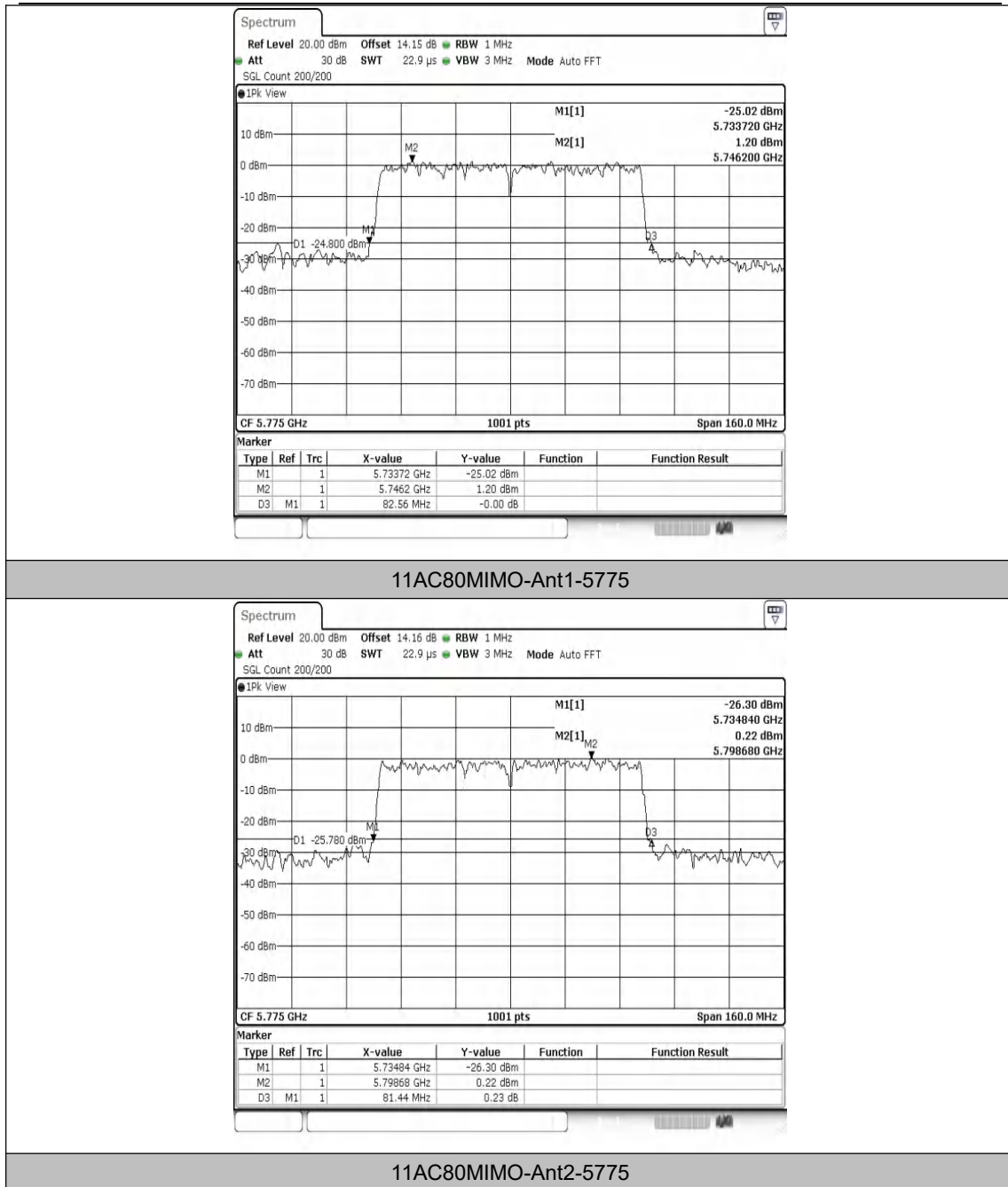












Appendix A2: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.903	5171.6484	5188.5514	---	---
11A	Ant2	5180	17.383	5171.4086	5188.7912	---	---
11A	Ant1	5200	16.823	5191.5285	5208.3516	---	---
11A	Ant2	5200	17.463	5191.4086	5208.8711	---	---
11A	Ant1	5240	16.943	5231.5684	5248.5115	---	---
11A	Ant2	5240	17.582	5231.0889	5248.6713	---	---
11A	Ant1	5745	17.143	5736.7283	5753.8711	---	---
11A	Ant2	5745	17.183	5736.4086	5753.5914	---	---
11A	Ant1	5785	16.943	5776.6084	5793.5514	---	---
11A	Ant2	5785	17.183	5776.4086	5793.5914	---	---
11A	Ant1	5825	17.103	5816.6484	5833.7512	---	---
11A	Ant2	5825	17.063	5816.4486	5833.5115	---	---
11N20MIMO	Ant1	5180	17.423	5171.1289	5188.5514	---	---
11N20MIMO	Ant2	5180	18.302	5170.7692	5189.0709	---	---
11N20MIMO	Ant1	5200	17.582	5190.8891	5208.4715	---	---
11N20MIMO	Ant2	5200	18.462	5190.6094	5209.0709	---	---
11N20MIMO	Ant1	5240	17.582	5230.9291	5248.5115	---	---
11N20MIMO	Ant2	5240	18.501	5230.7692	5249.2707	---	---
11N20MIMO	Ant1	5745	17.383	5736.0090	5753.3916	---	---
11N20MIMO	Ant2	5745	18.342	5736.0090	5754.3506	---	---
11N20MIMO	Ant1	5785	17.622	5775.9291	5793.5514	---	---
11N20MIMO	Ant2	5785	18.462	5775.8492	5794.3107	---	---
11N20MIMO	Ant1	5825	16.863	5816.6484	5833.5115	---	---
11N20MIMO	Ant2	5825	18.941	5815.5295	5834.4705	---	---
11N40MIMO	Ant1	5190	36.523	5171.7782	5208.3017	---	---
11N40MIMO	Ant2	5190	36.603	5171.7782	5208.3816	---	---
11N40MIMO	Ant1	5230	36.523	5211.7782	5248.3017	---	---
11N40MIMO	Ant2	5230	36.923	5211.6184	5248.5415	---	---
11N40MIMO	Ant1	5755	36.923	5736.5385	5773.4615	---	---
11N40MIMO	Ant2	5755	36.763	5736.6983	5773.4615	---	---
11N40MIMO	Ant1	5795	36.683	5776.6184	5813.3017	---	---
11N40MIMO	Ant2	5795	36.444	5776.7782	5813.2218	---	---
11AC20MIMO	Ant1	5180	16.623	5171.6084	5188.2318	---	---
11AC20MIMO	Ant2	5180	18.142	5170.9291	5189.0709	---	---
11AC20MIMO	Ant1	5200	16.783	5191.4885	5208.2717	---	---
11AC20MIMO	Ant2	5200	18.422	5190.7293	5209.1508	---	---
11AC20MIMO	Ant1	5240	16.703	5231.5684	5248.2717	---	---



11AC20MIMO	Ant2	5240	18.501	5230.6893	5249.1908	---	---
11AC20MIMO	Ant1	5745	16.623	5736.6883	5753.3117	---	---
11AC20MIMO	Ant2	5745	18.501	5735.6494	5754.1508	---	---
11AC20MIMO	Ant1	5785	16.703	5776.6484	5793.3516	---	---
11AC20MIMO	Ant2	5785	18.541	5775.6893	5794.2308	---	---
11AC20MIMO	Ant1	5825	16.863	5816.4885	5833.3516	---	---
11AC20MIMO	Ant2	5825	18.262	5815.7692	5834.0310	---	---
11AC40MIMO	Ant1	5190	37.083	5171.5385	5208.6214	---	---
11AC40MIMO	Ant2	5190	37.243	5171.3786	5208.6214	---	---
11AC40MIMO	Ant1	5230	37.163	5211.3786	5248.5415	---	---
11AC40MIMO	Ant2	5230	37.323	5211.4585	5248.7812	---	---
11AC40MIMO	Ant1	5755	37.003	5736.6983	5773.7013	---	---
11AC40MIMO	Ant2	5755	37.163	5736.2188	5773.3816	---	---
11AC40MIMO	Ant1	5795	37.163	5776.3786	5813.5415	---	---
11AC40MIMO	Ant2	5795	37.083	5776.2987	5813.3816	---	---
11AC80MIMO	Ant1	5210	76.563	5171.6384	5248.2018	---	---
11AC80MIMO	Ant2	5210	76.404	5171.7982	5248.2018	---	---
11AC80MIMO	Ant1	5775	76.404	5736.7982	5813.2018	---	---
11AC80MIMO	Ant2	5775	76.723	5736.7982	5813.5215	---	---

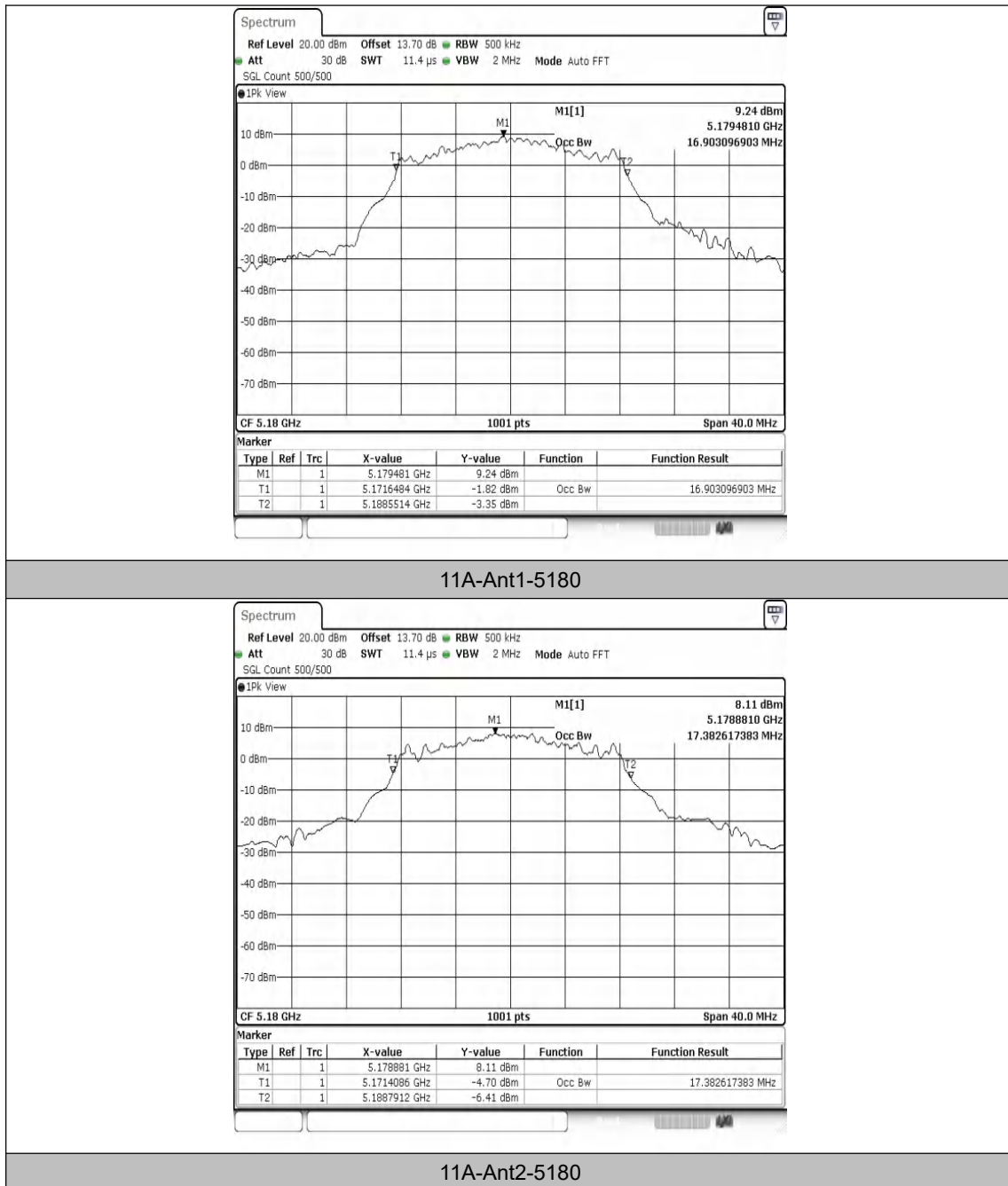
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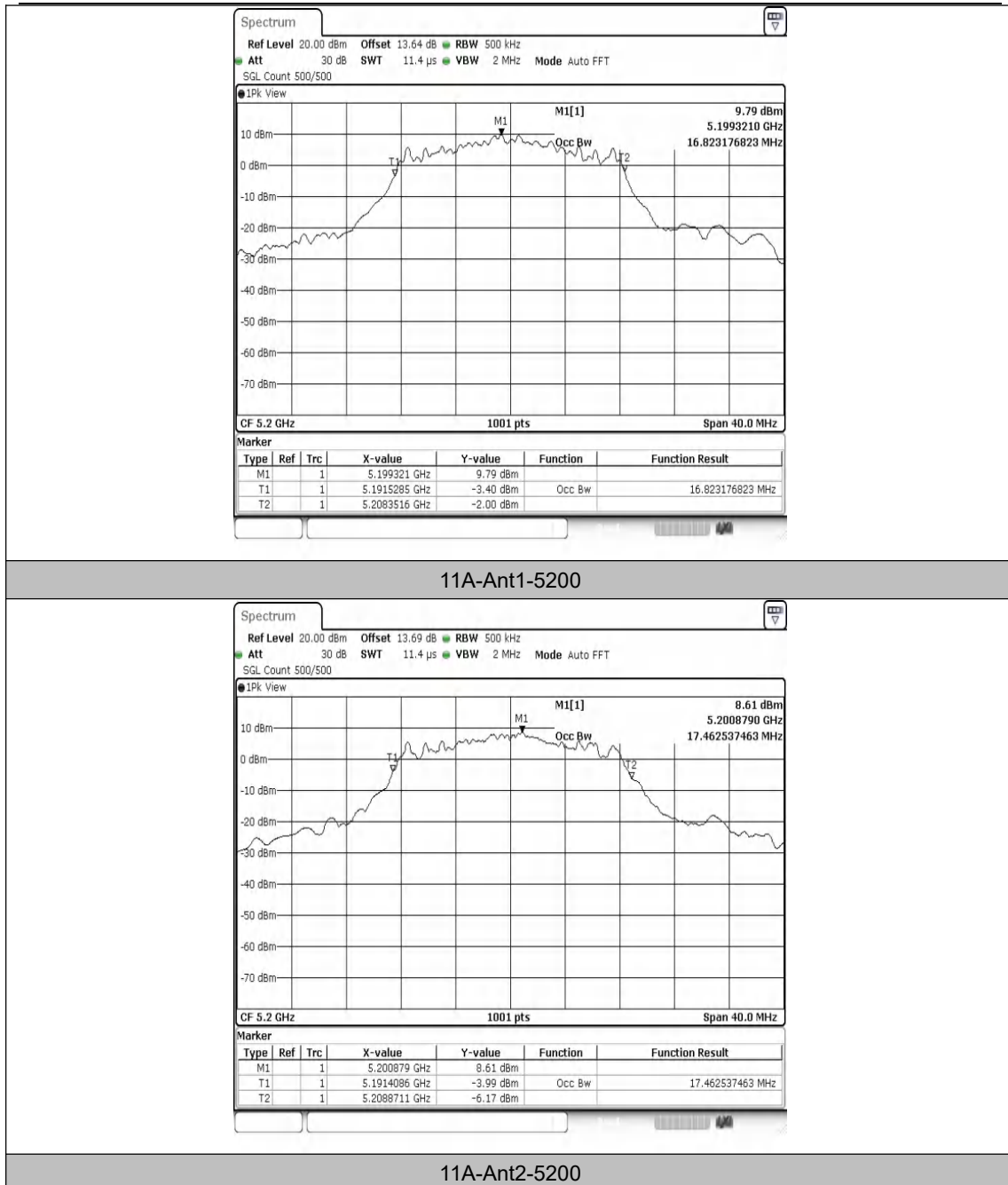
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Test Graphs

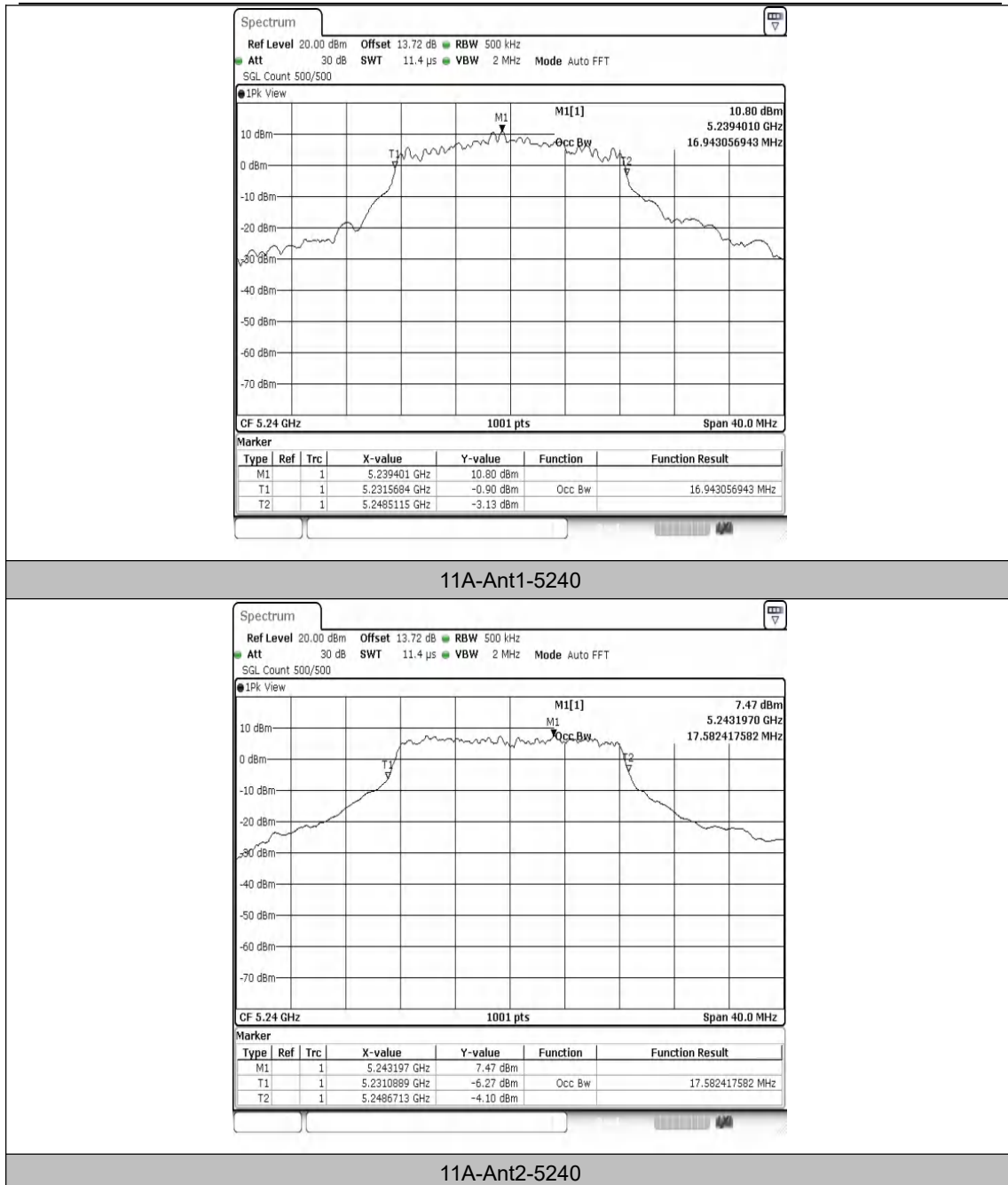




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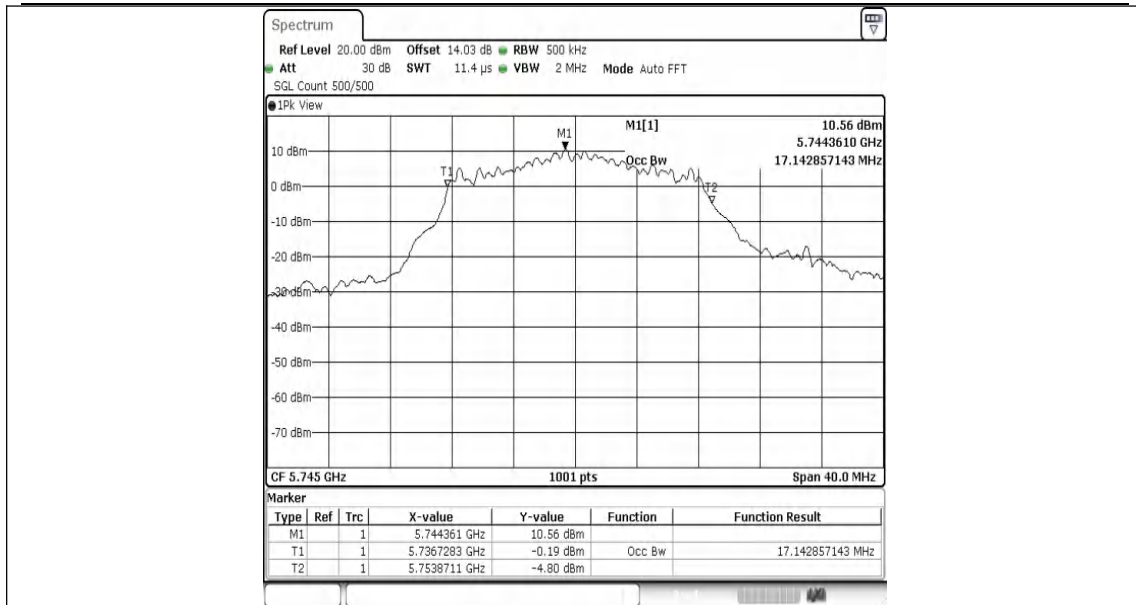
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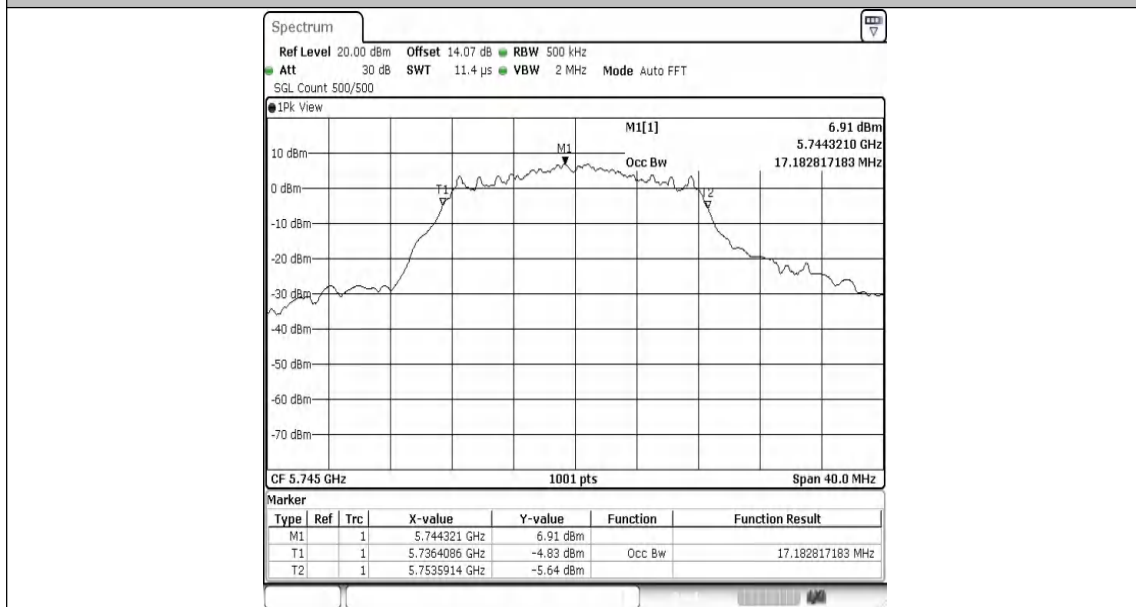
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel:(86)0755-26066440 Email:service@anbotek.com

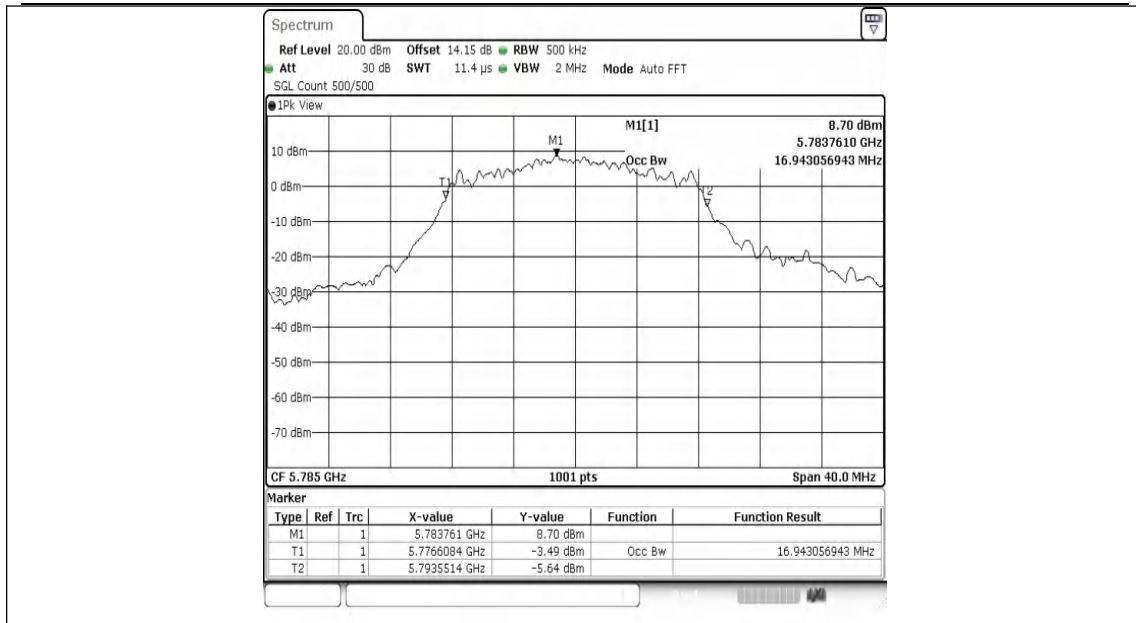
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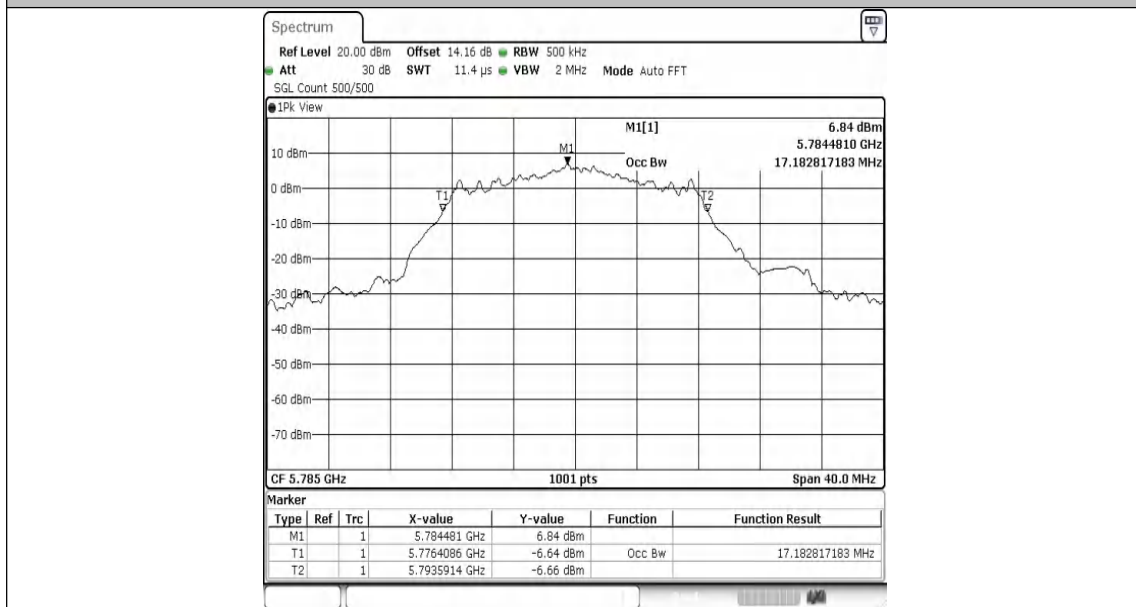
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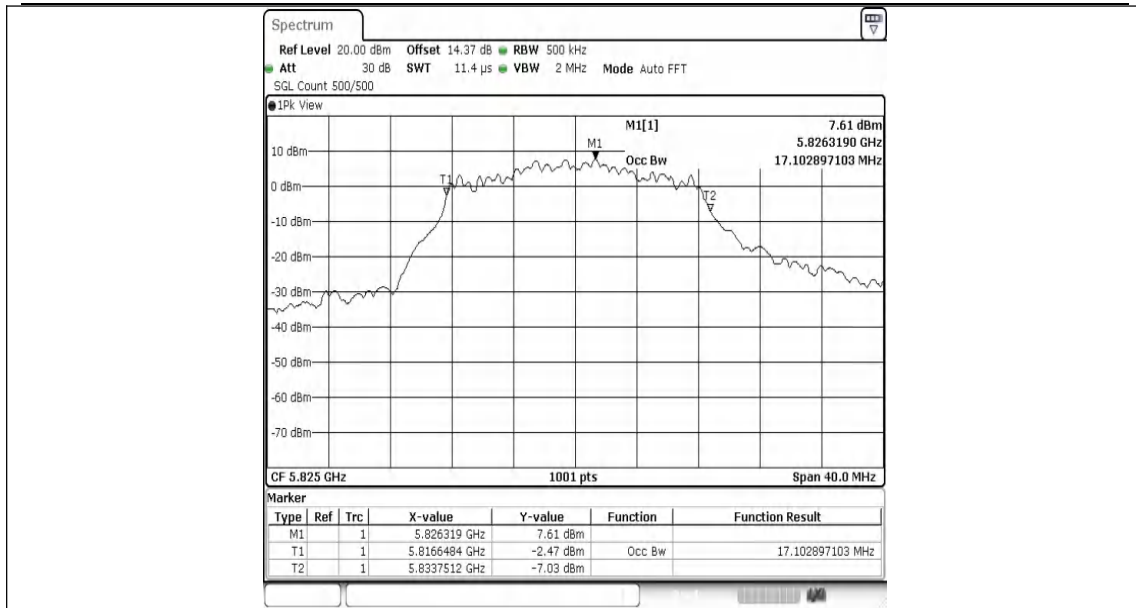
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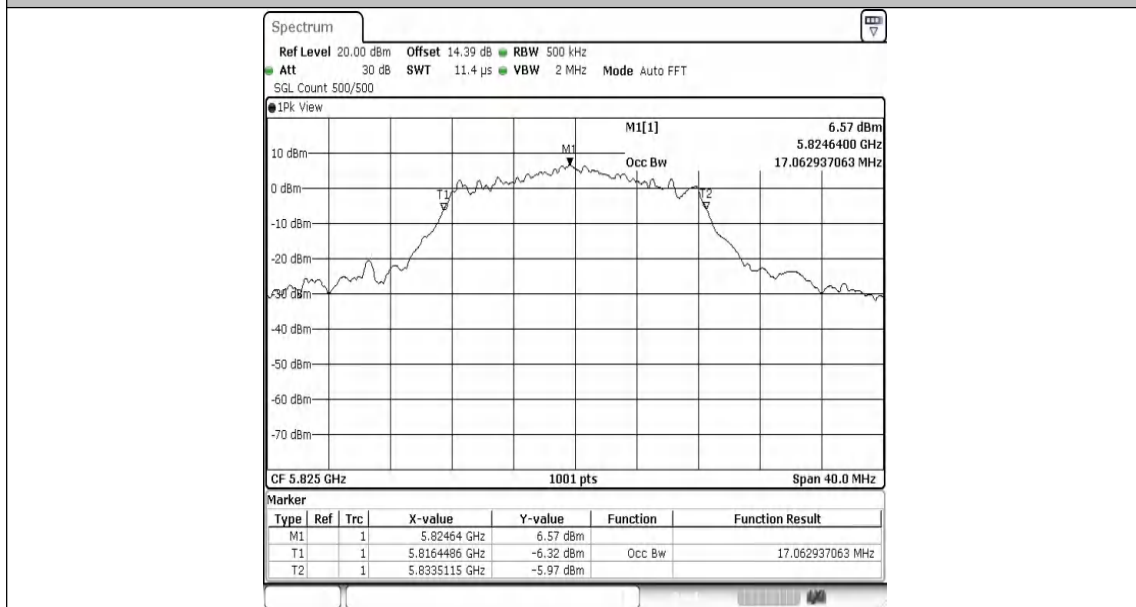
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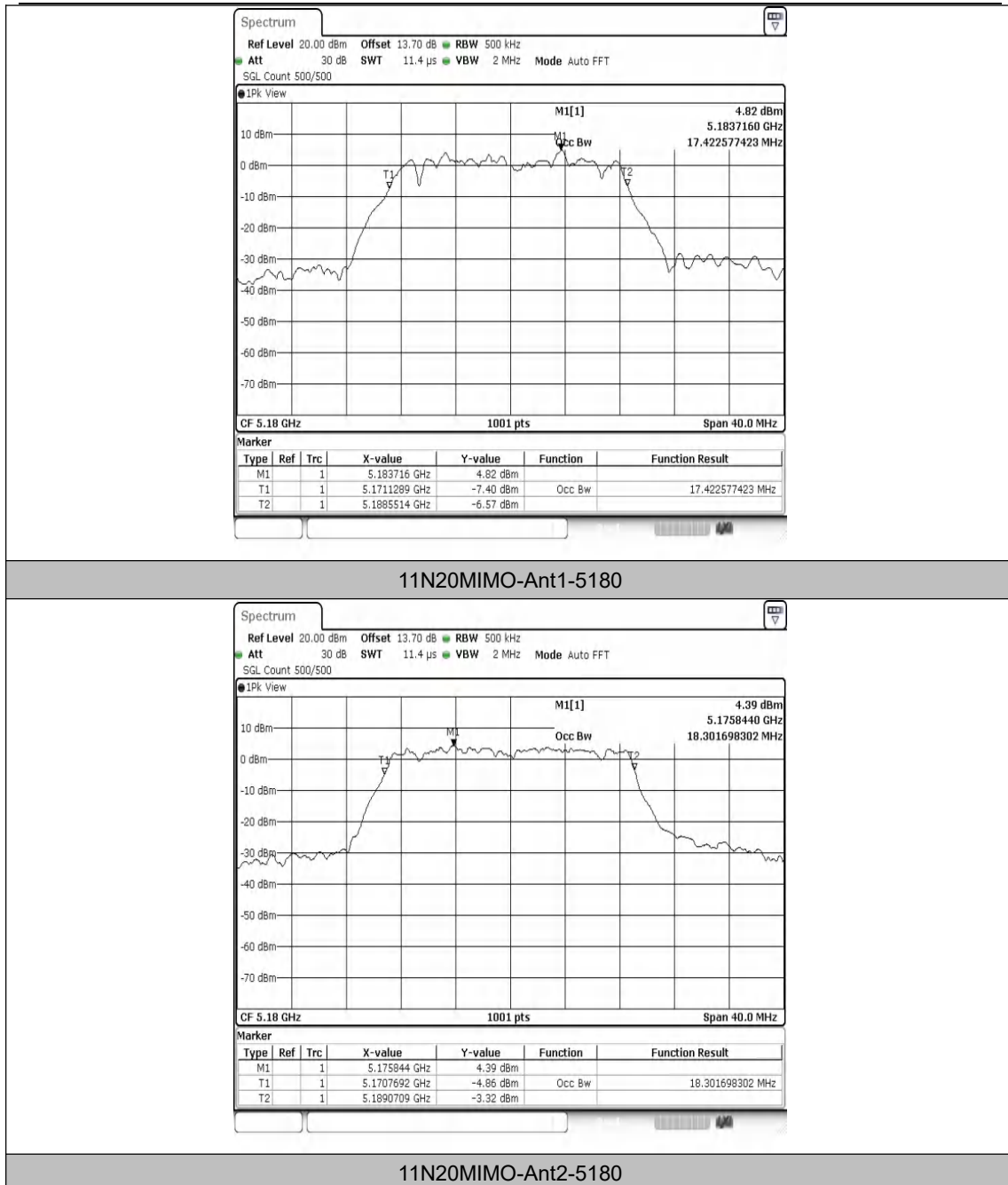
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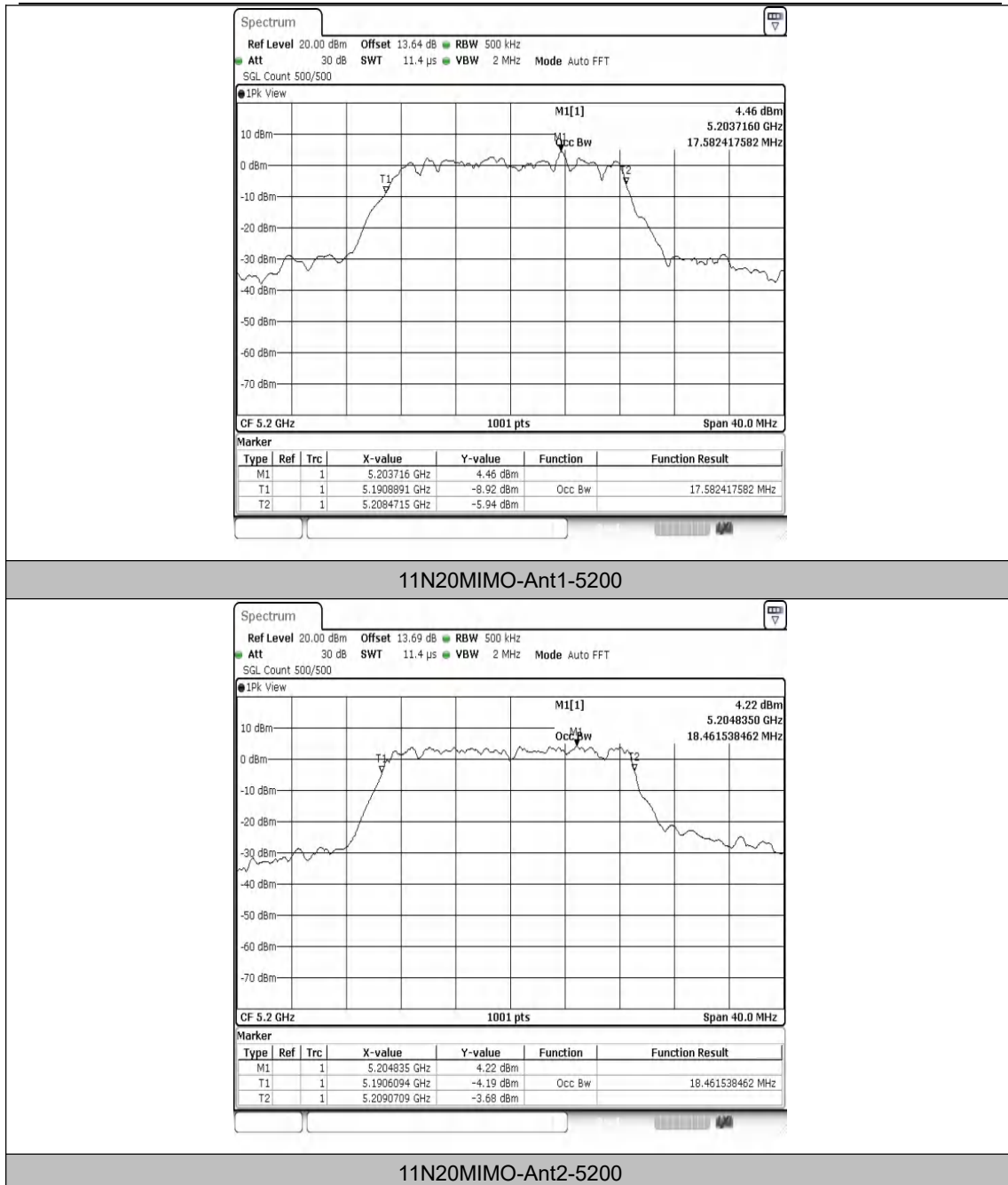


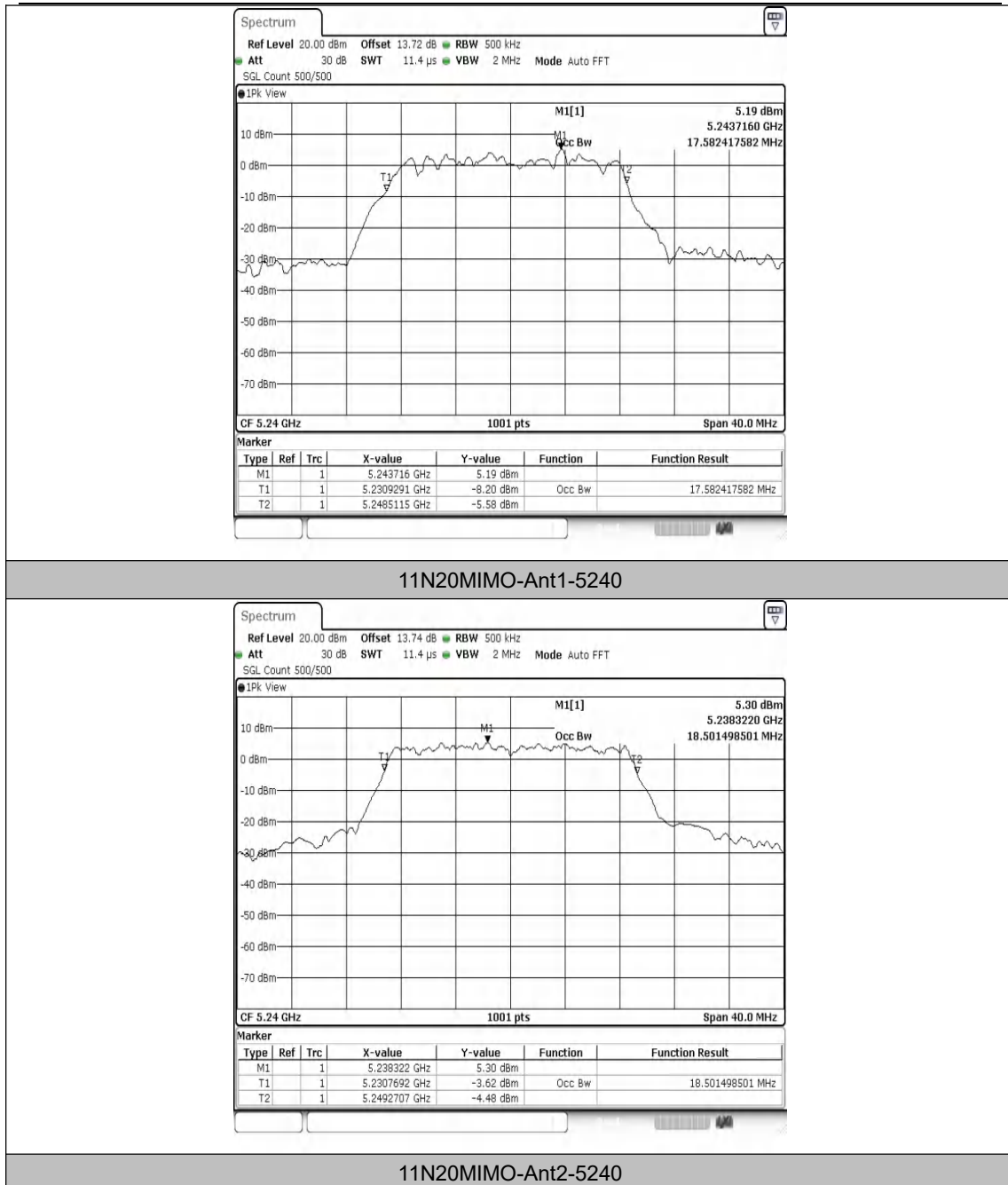
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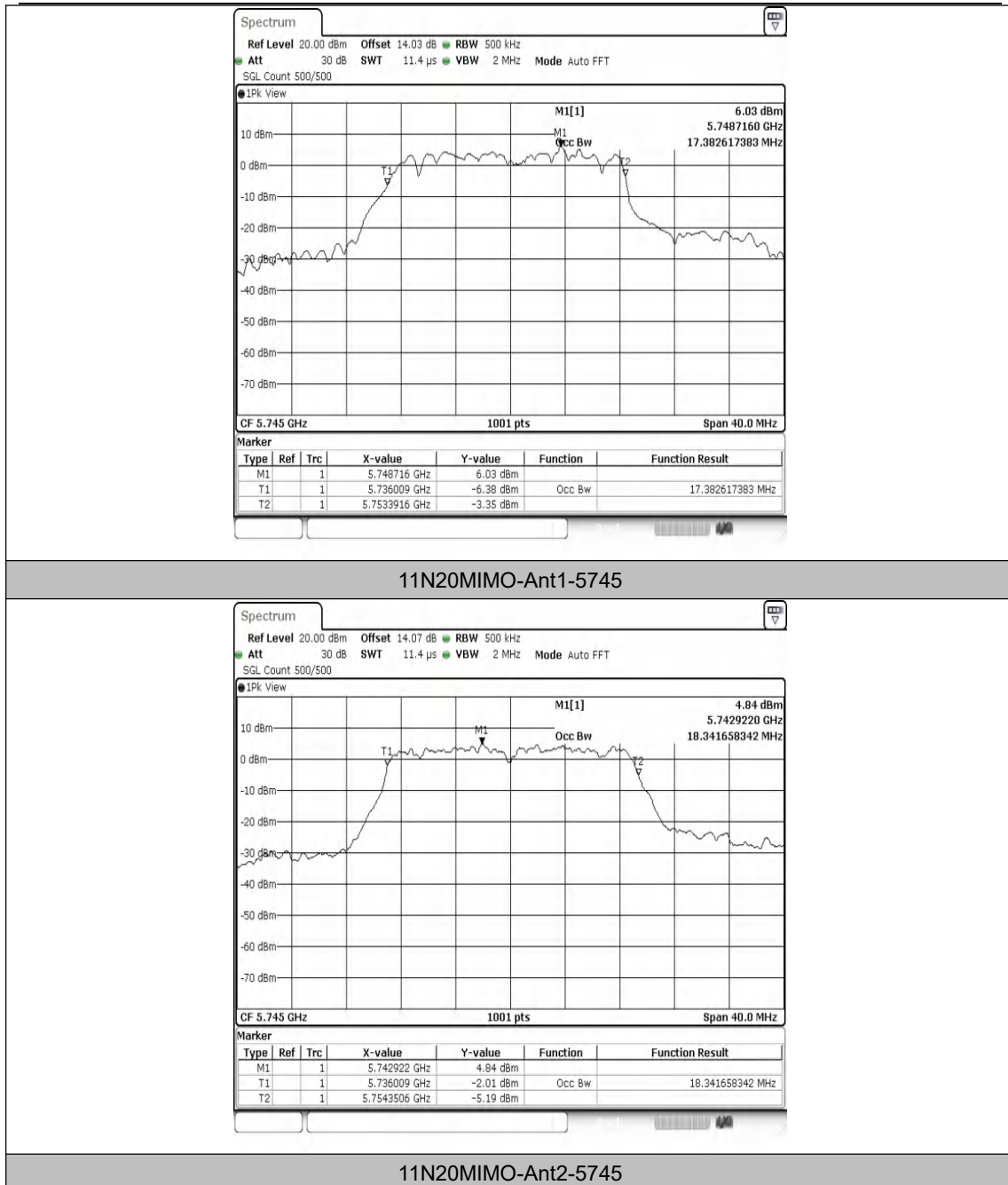


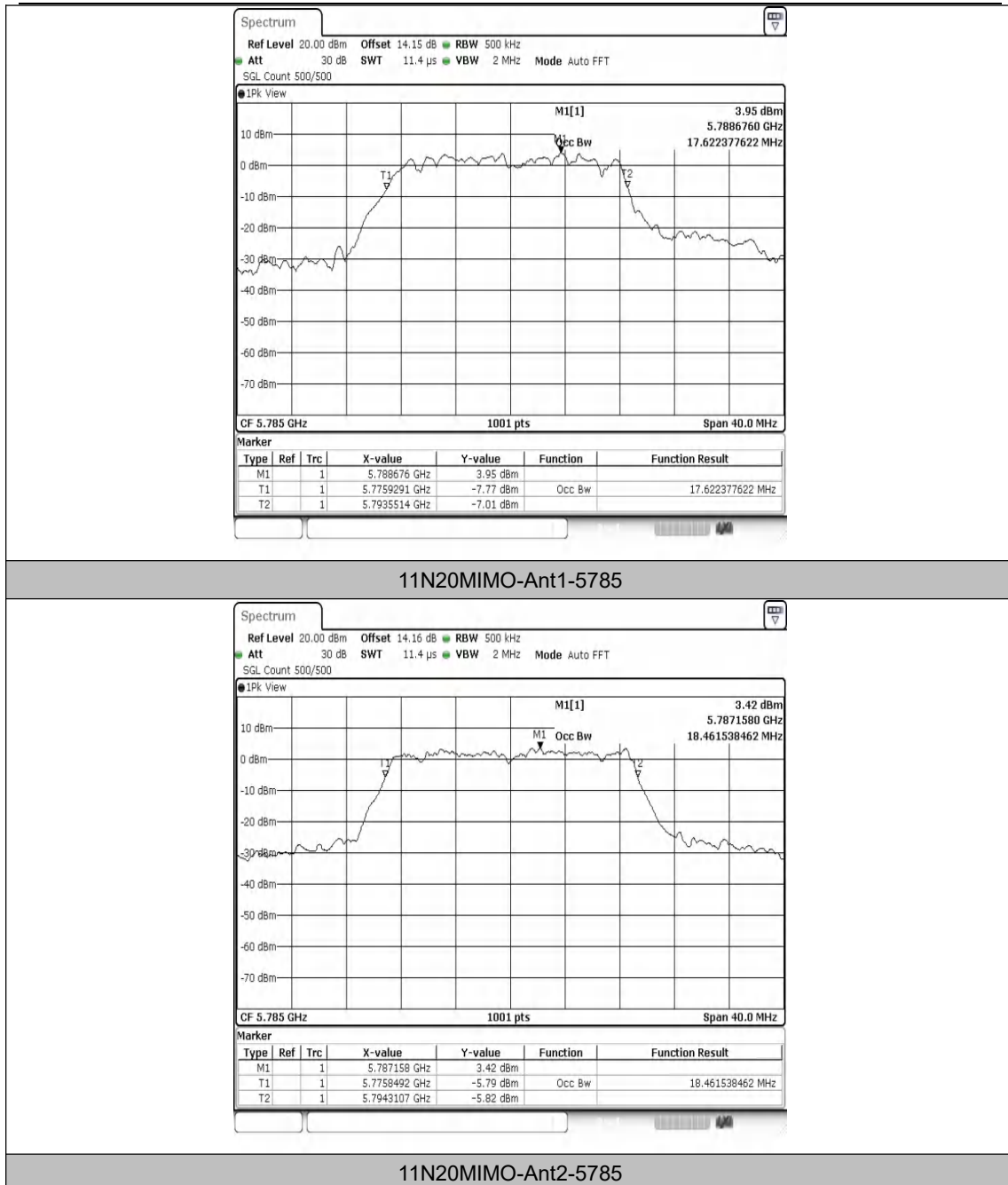
11A-Ant2-5825

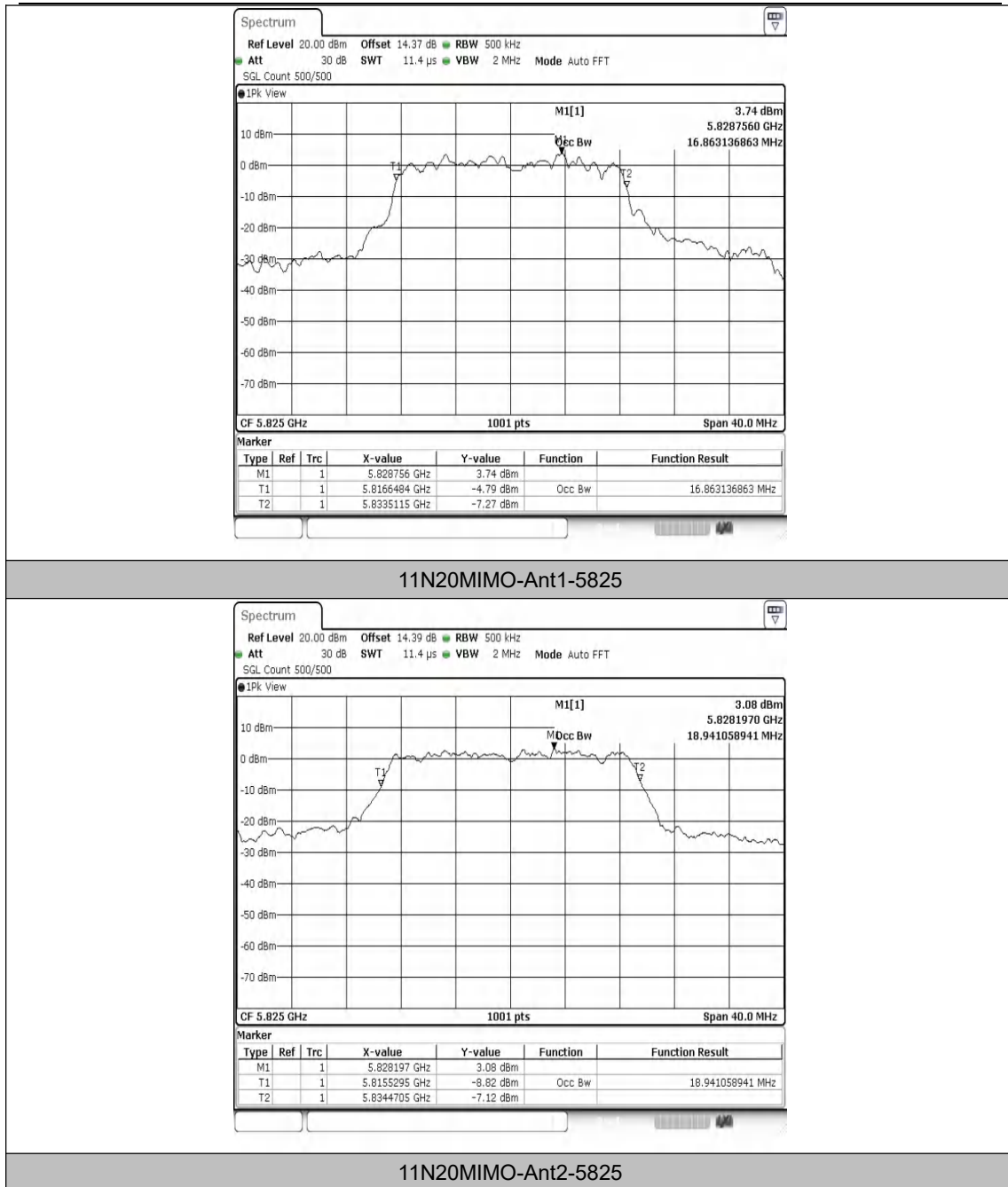


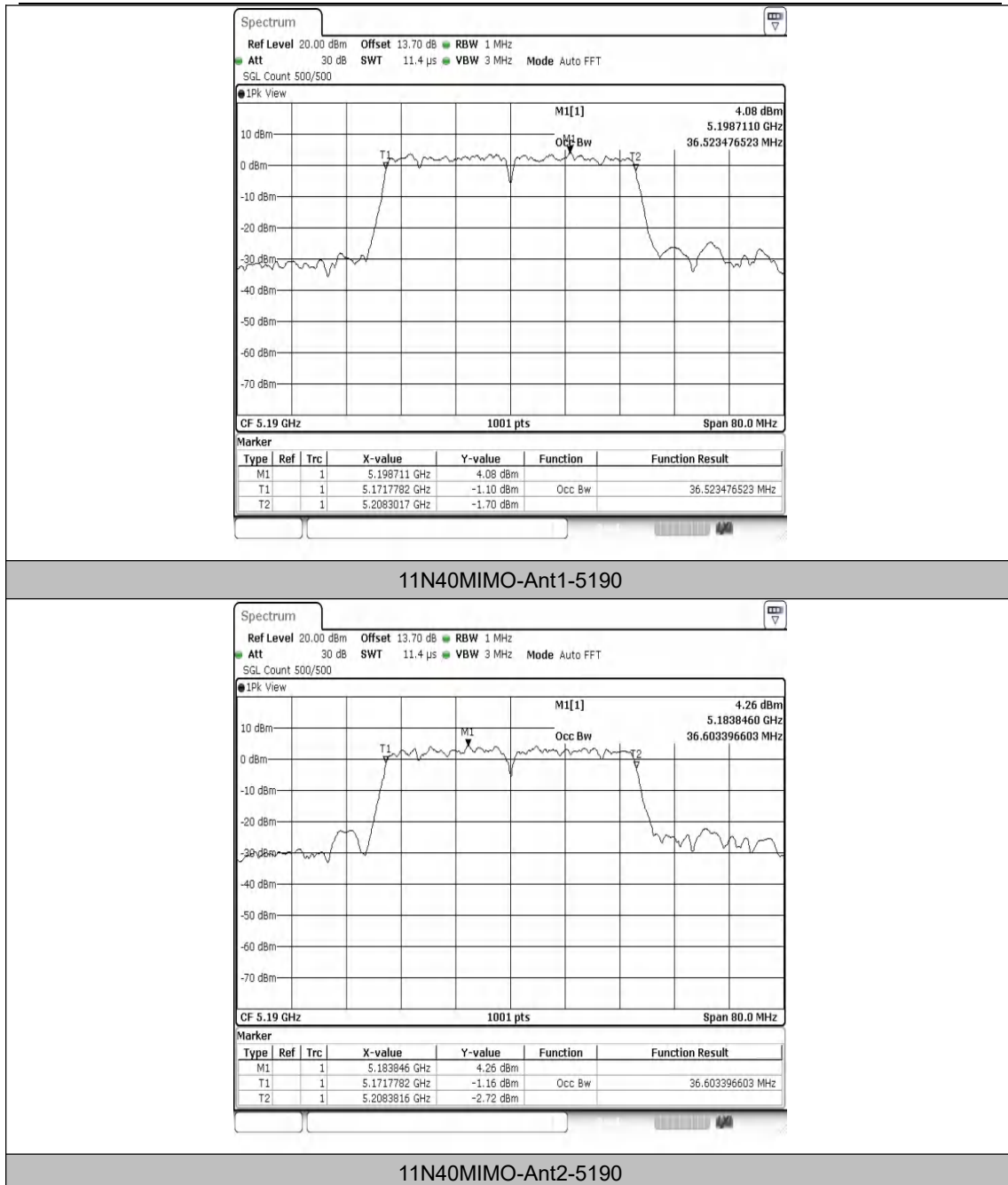


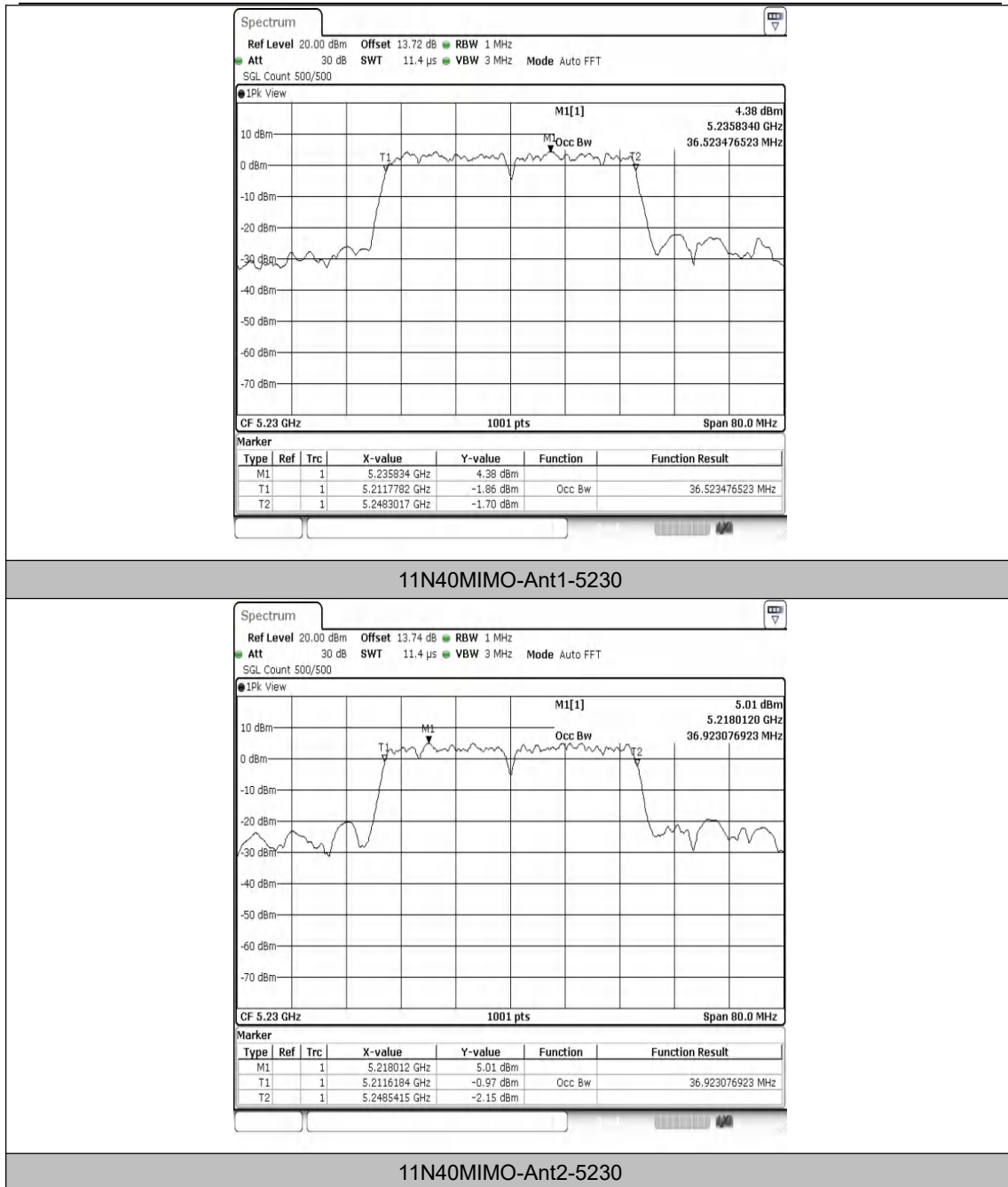


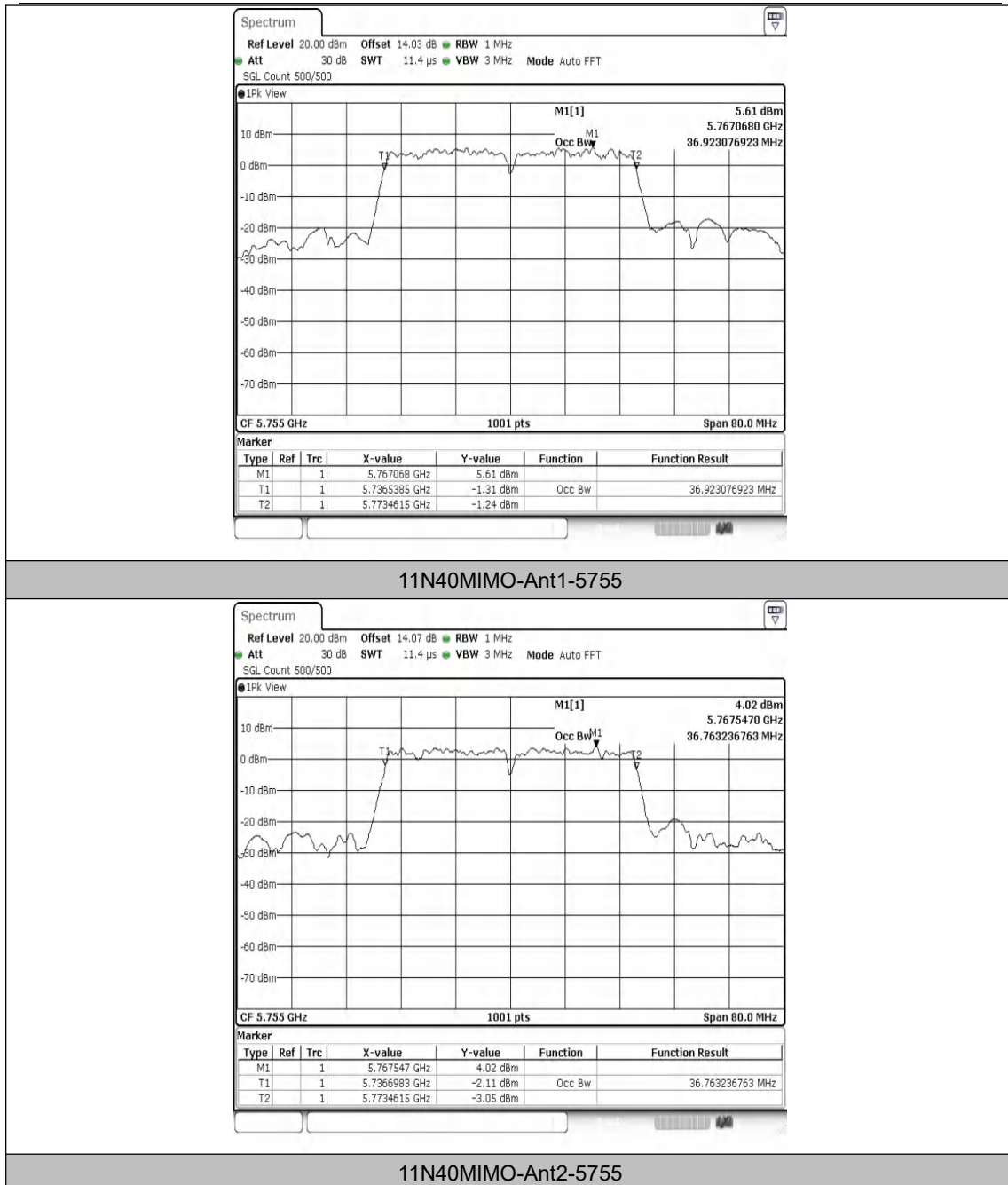


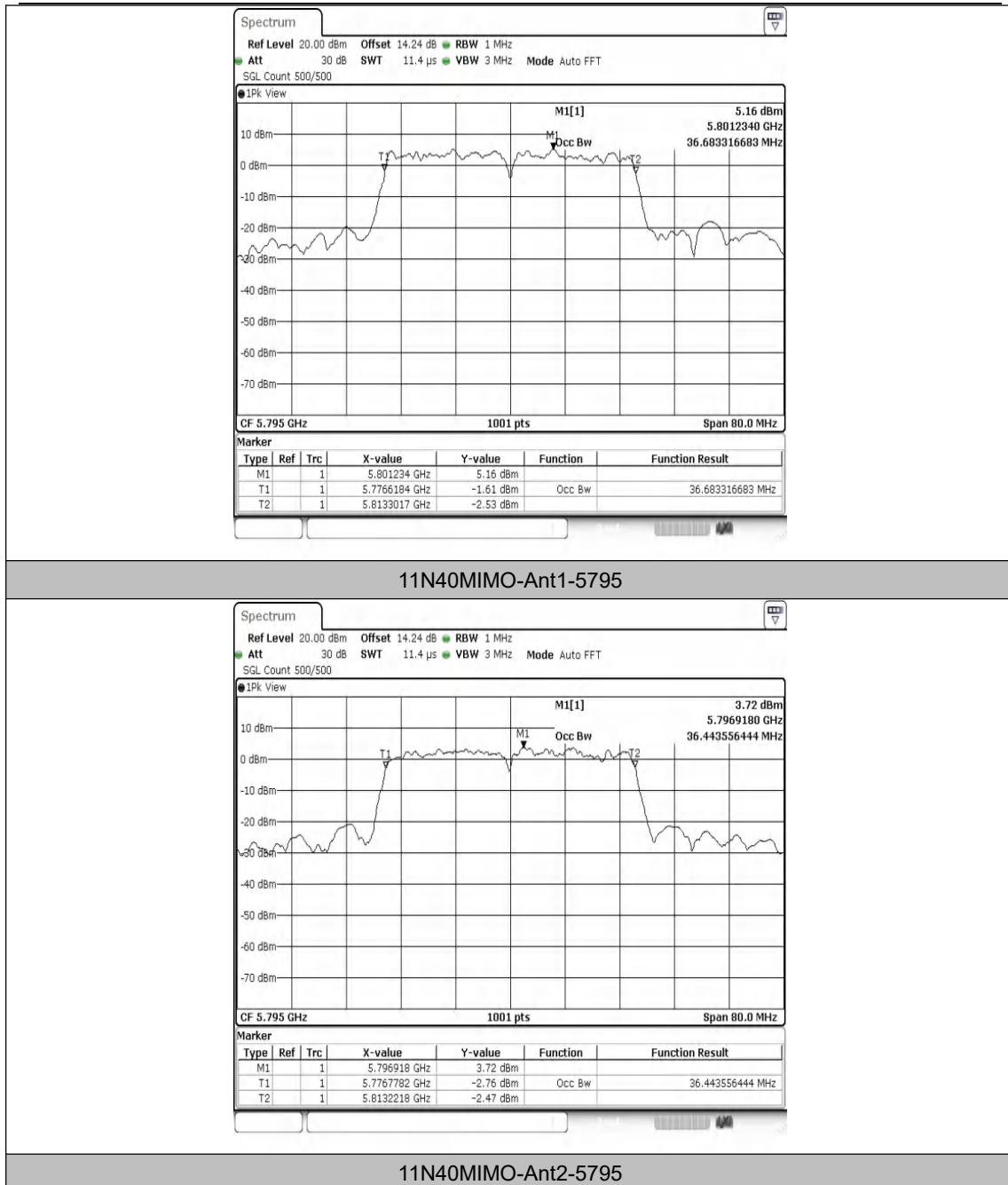


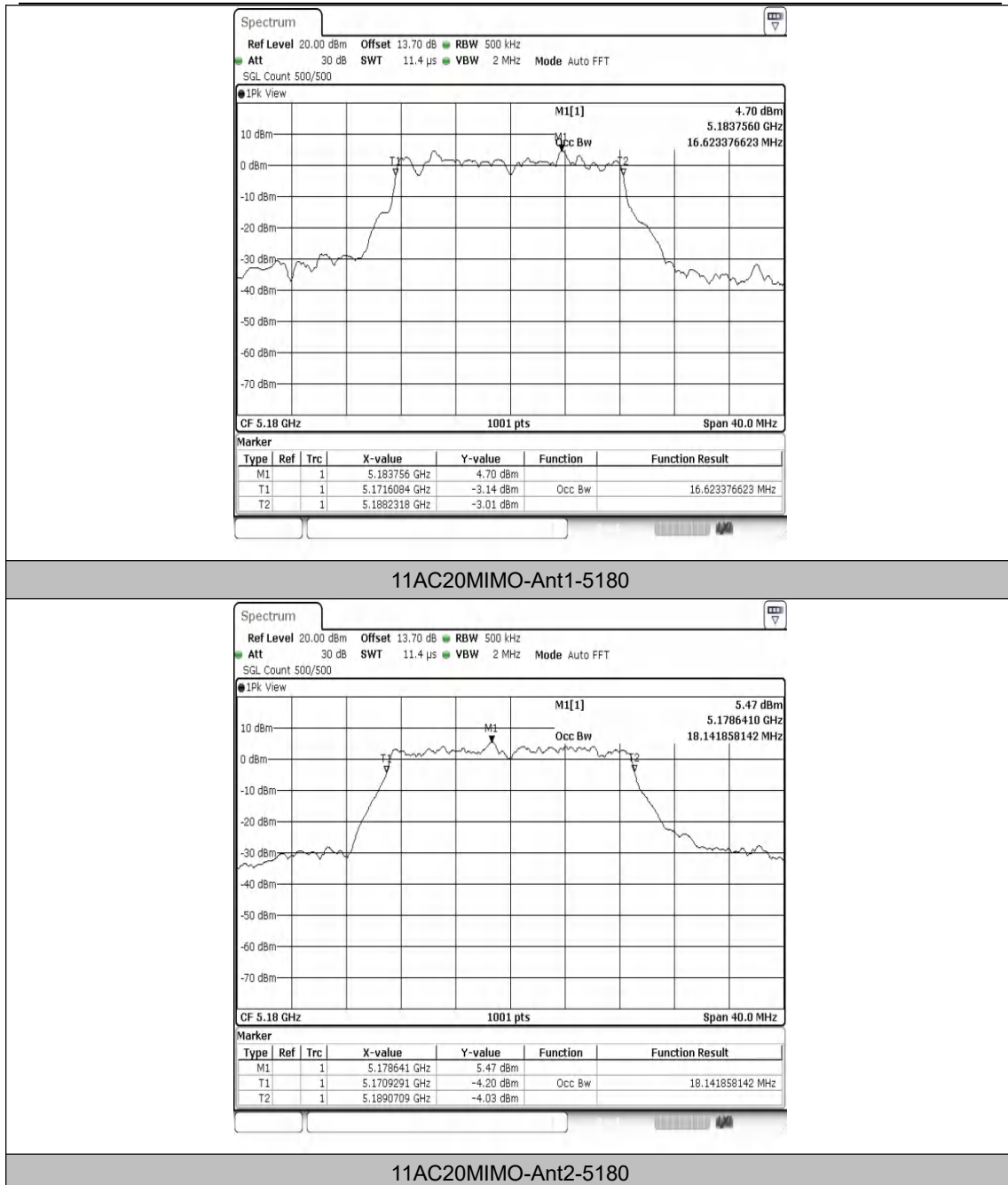


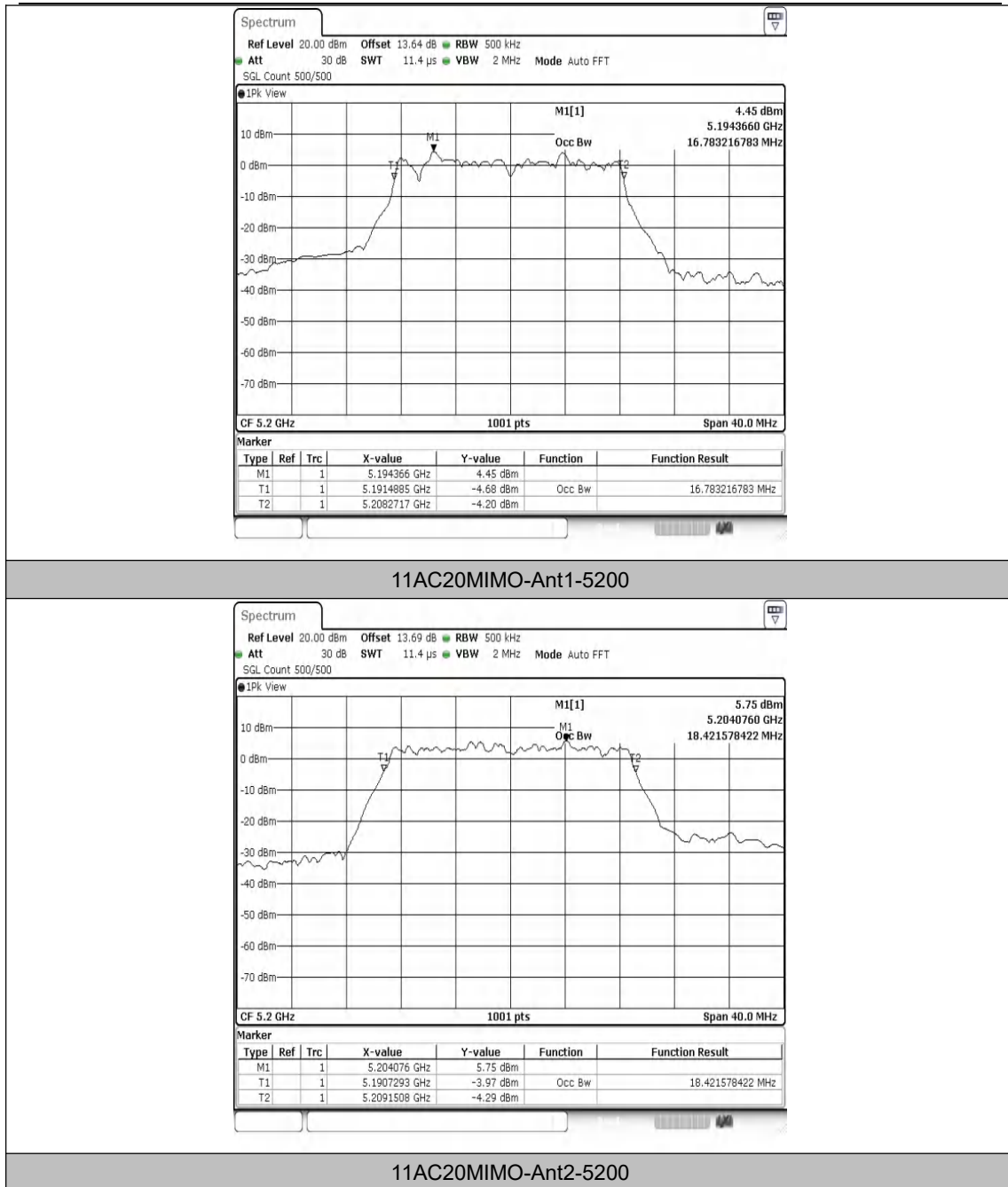








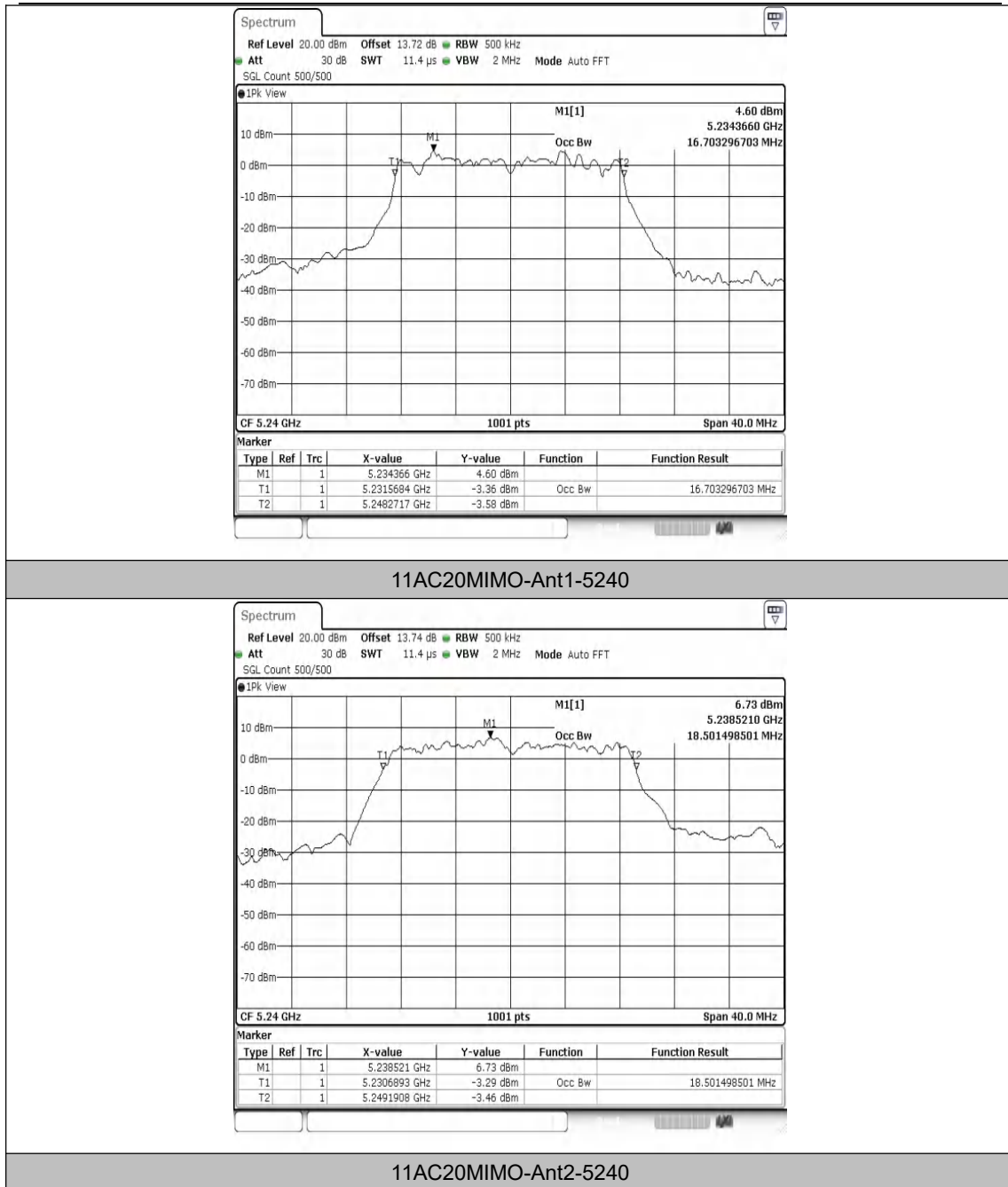




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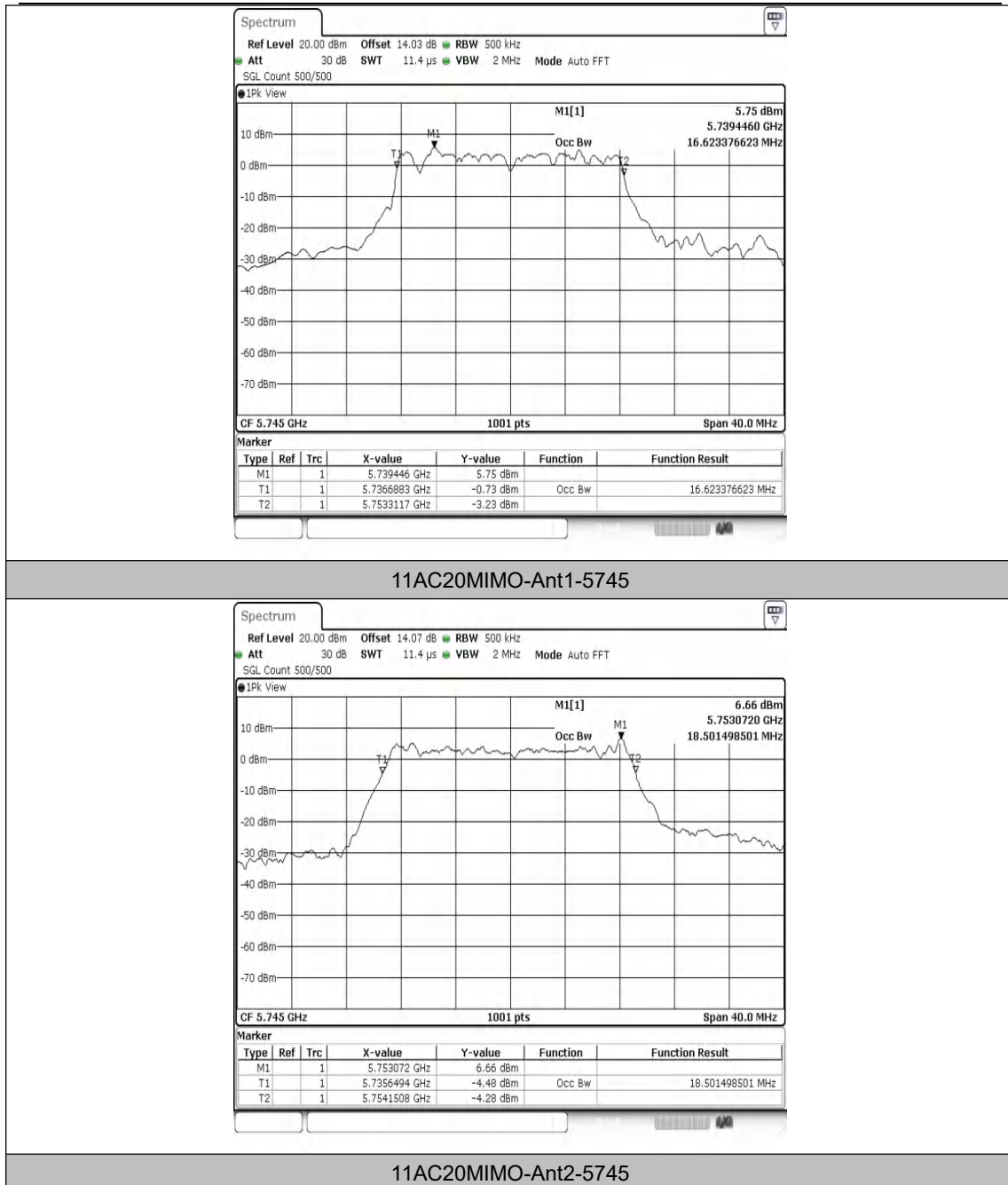
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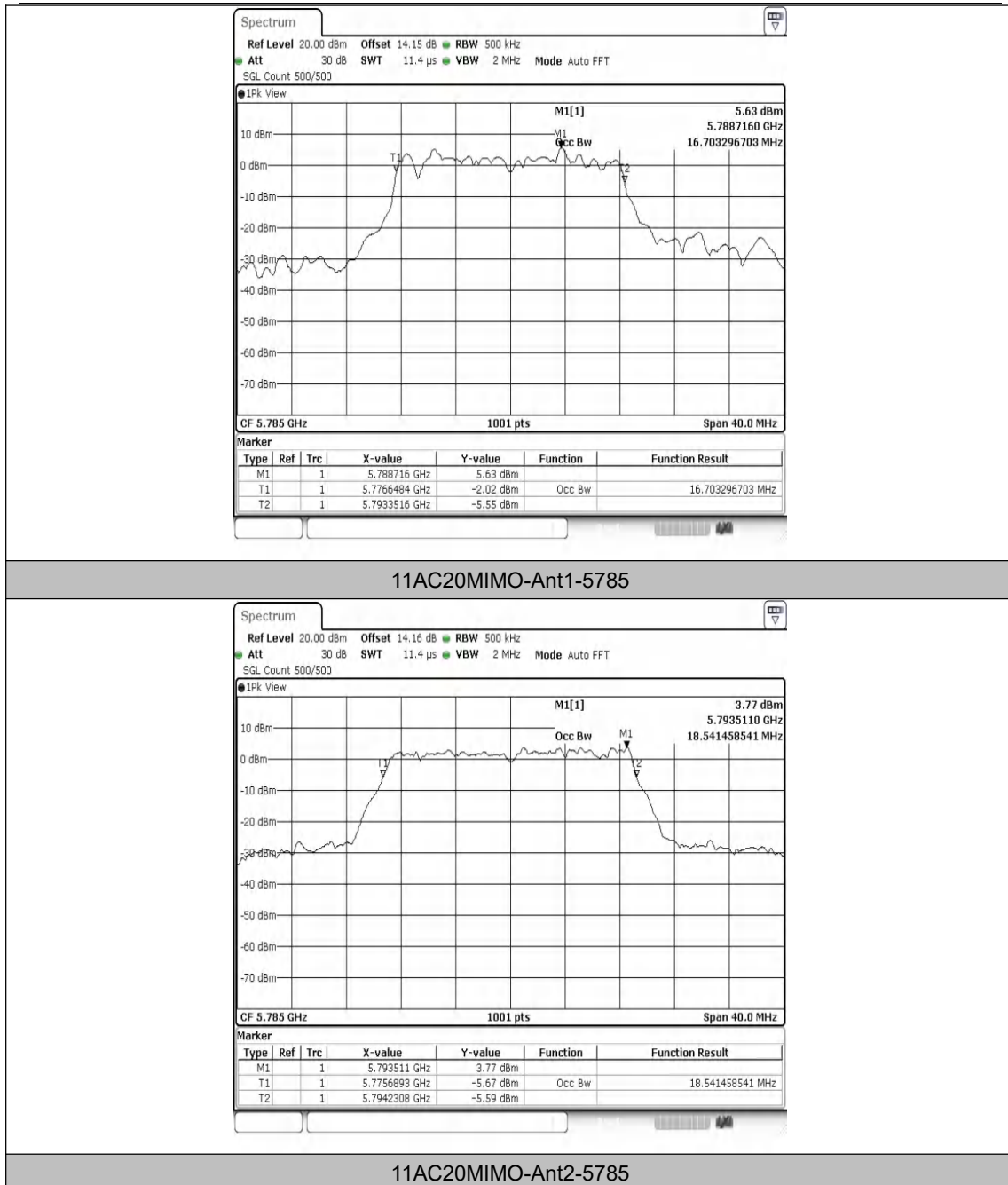


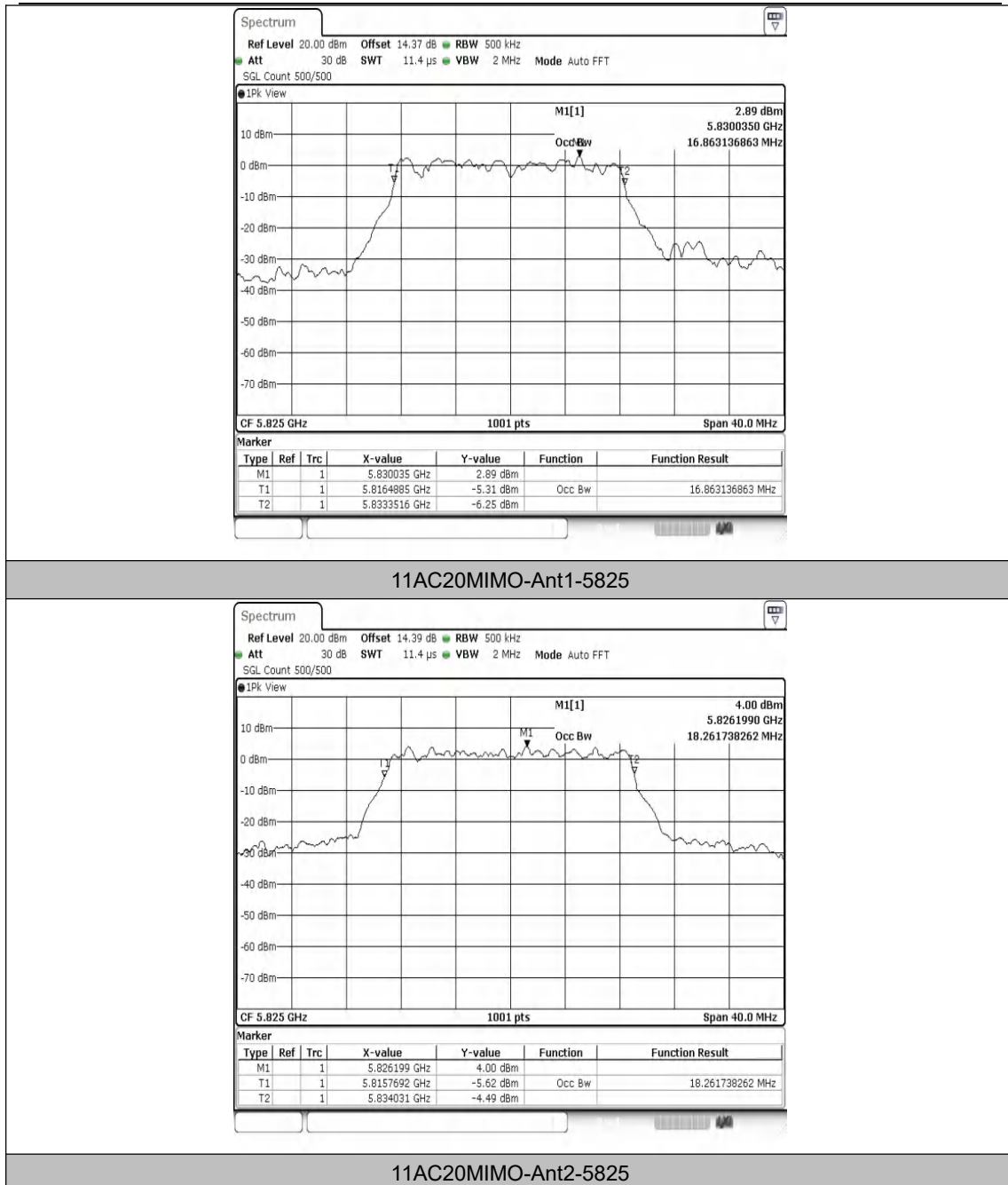
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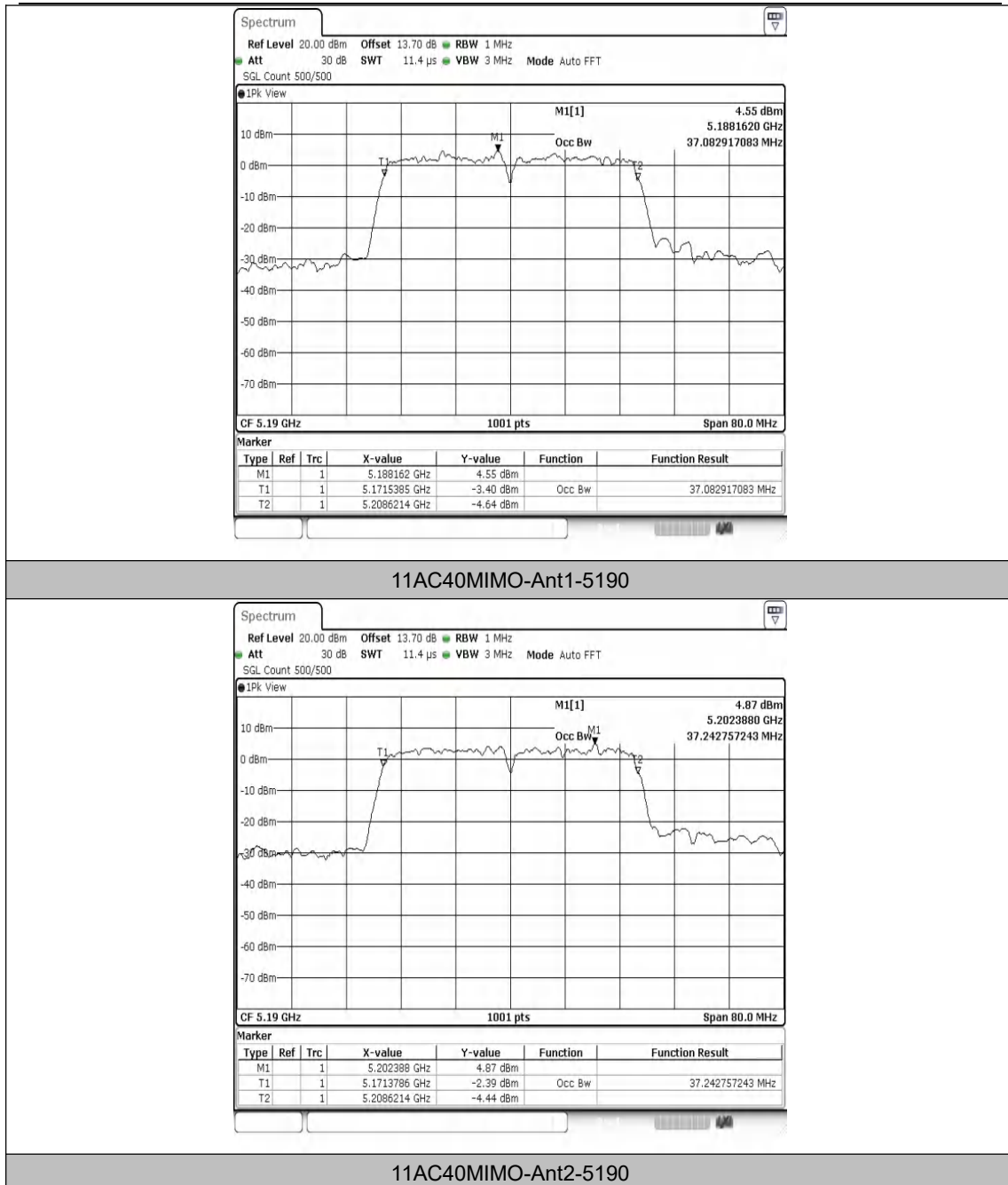
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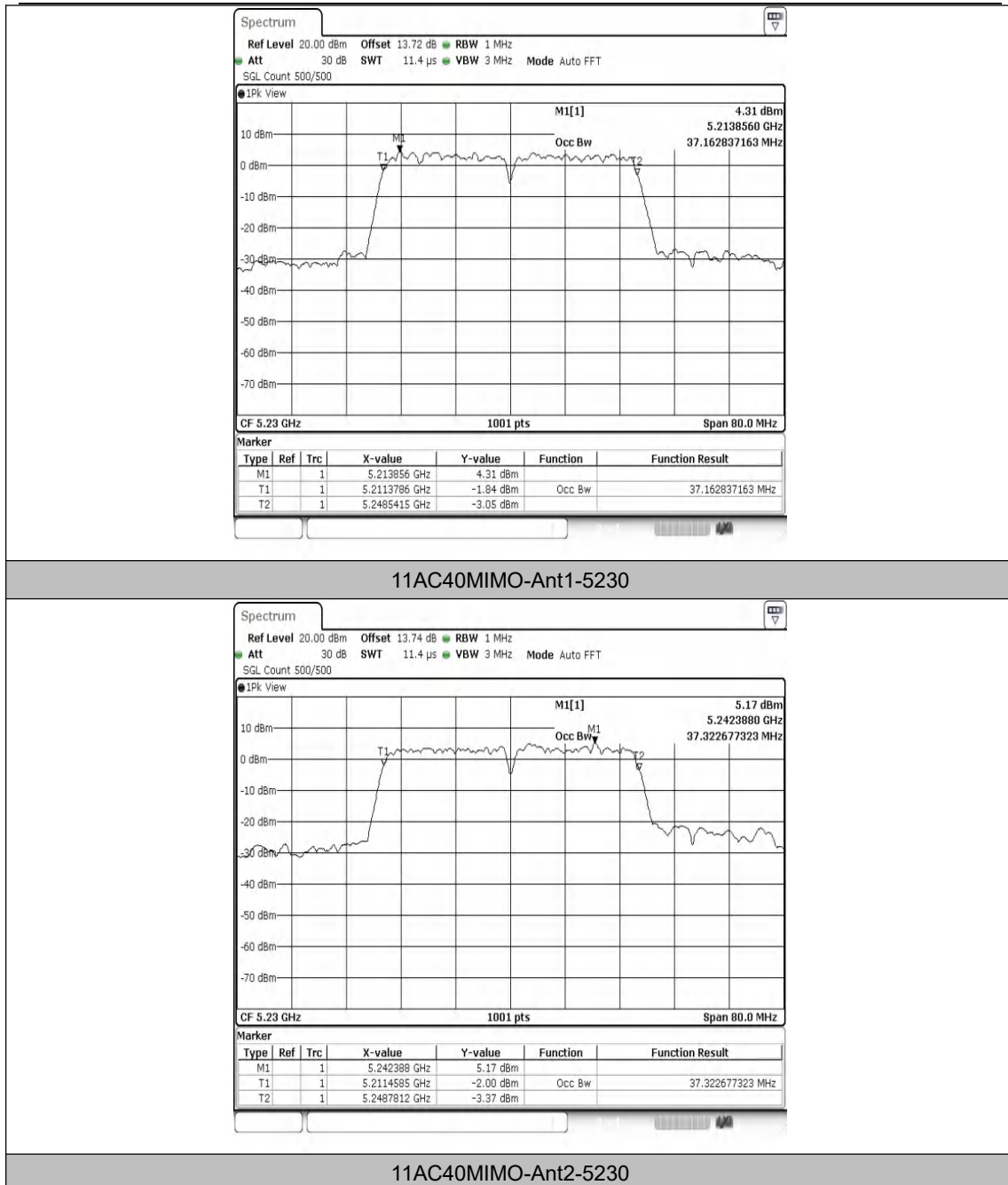
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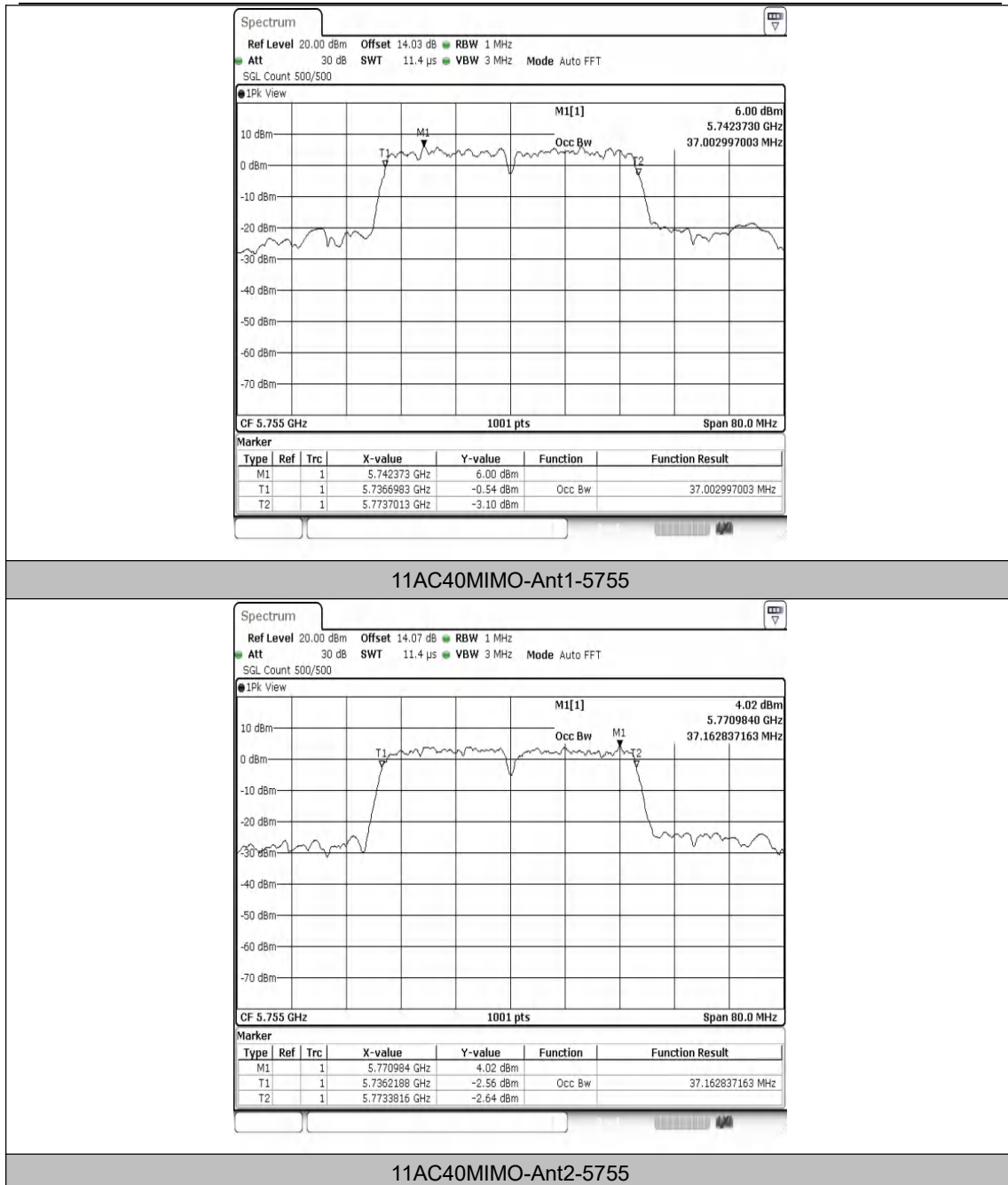


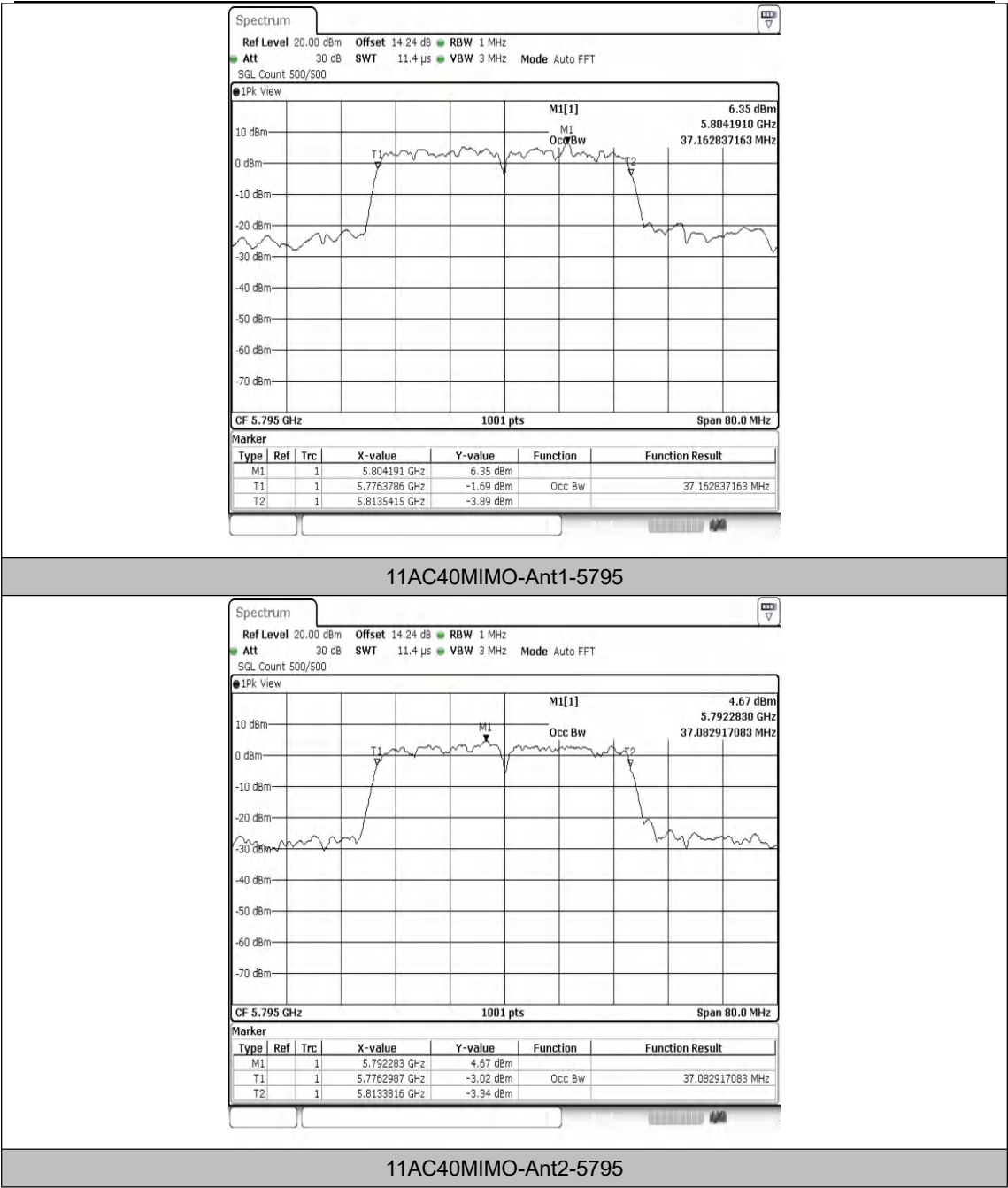


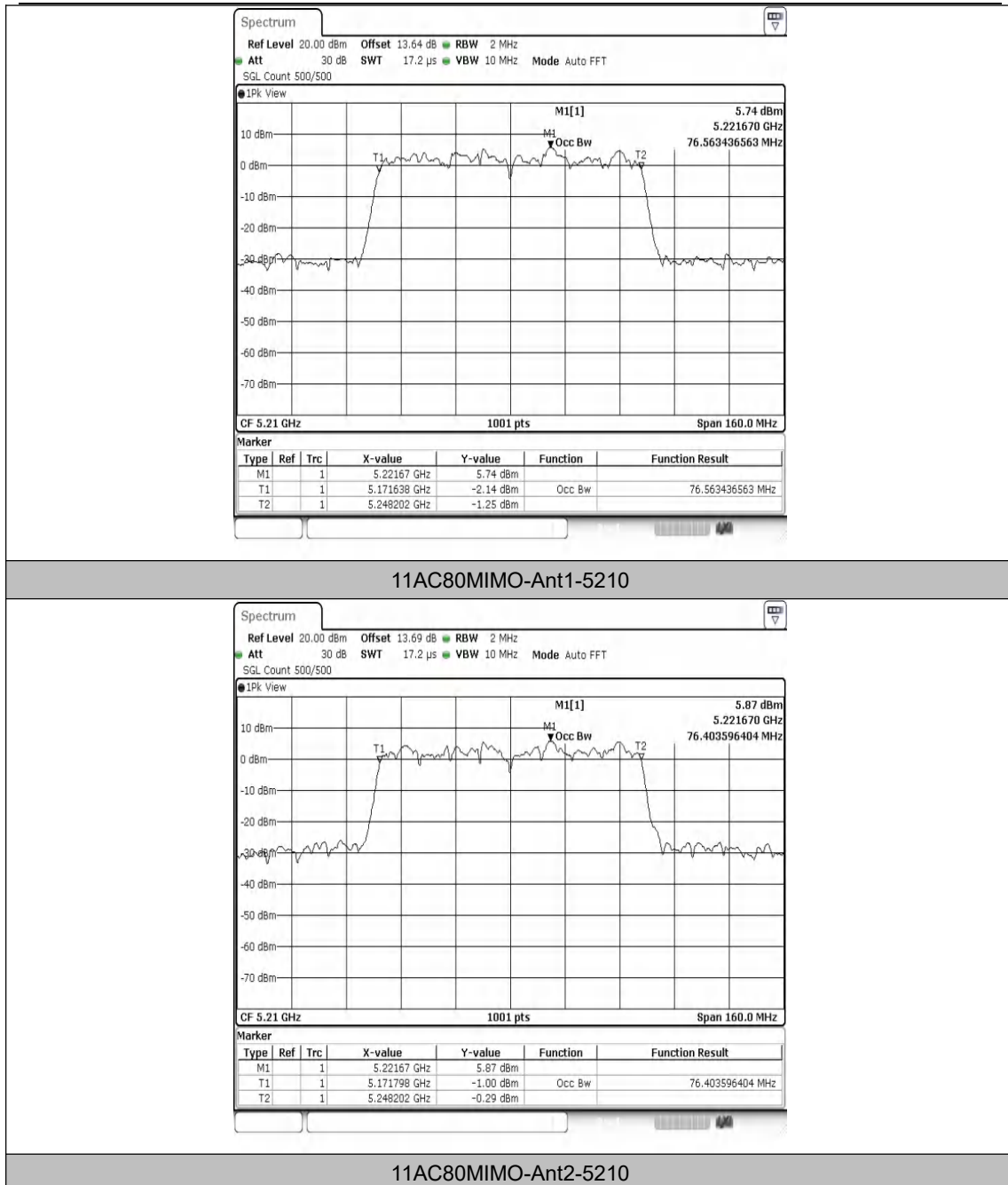


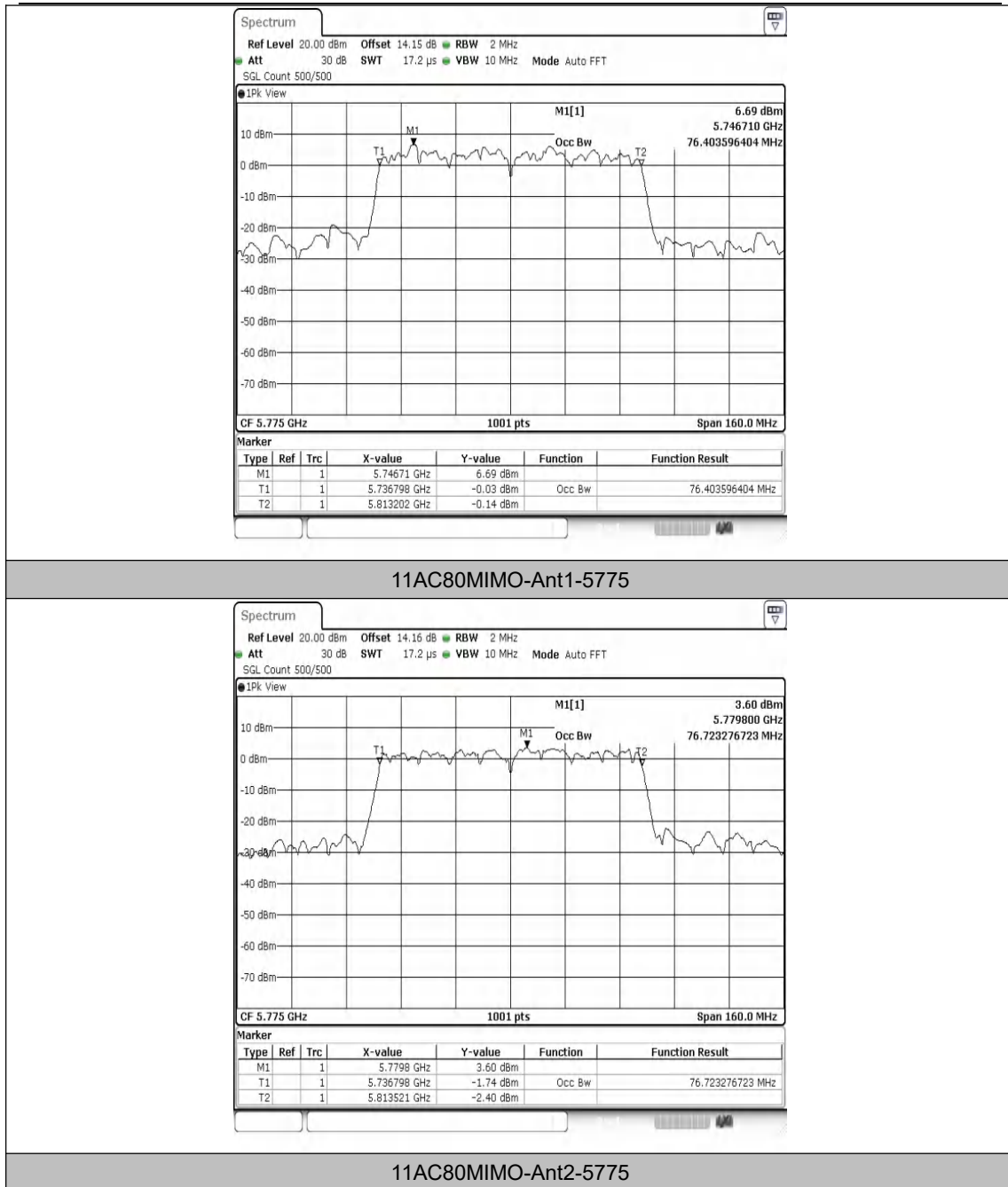












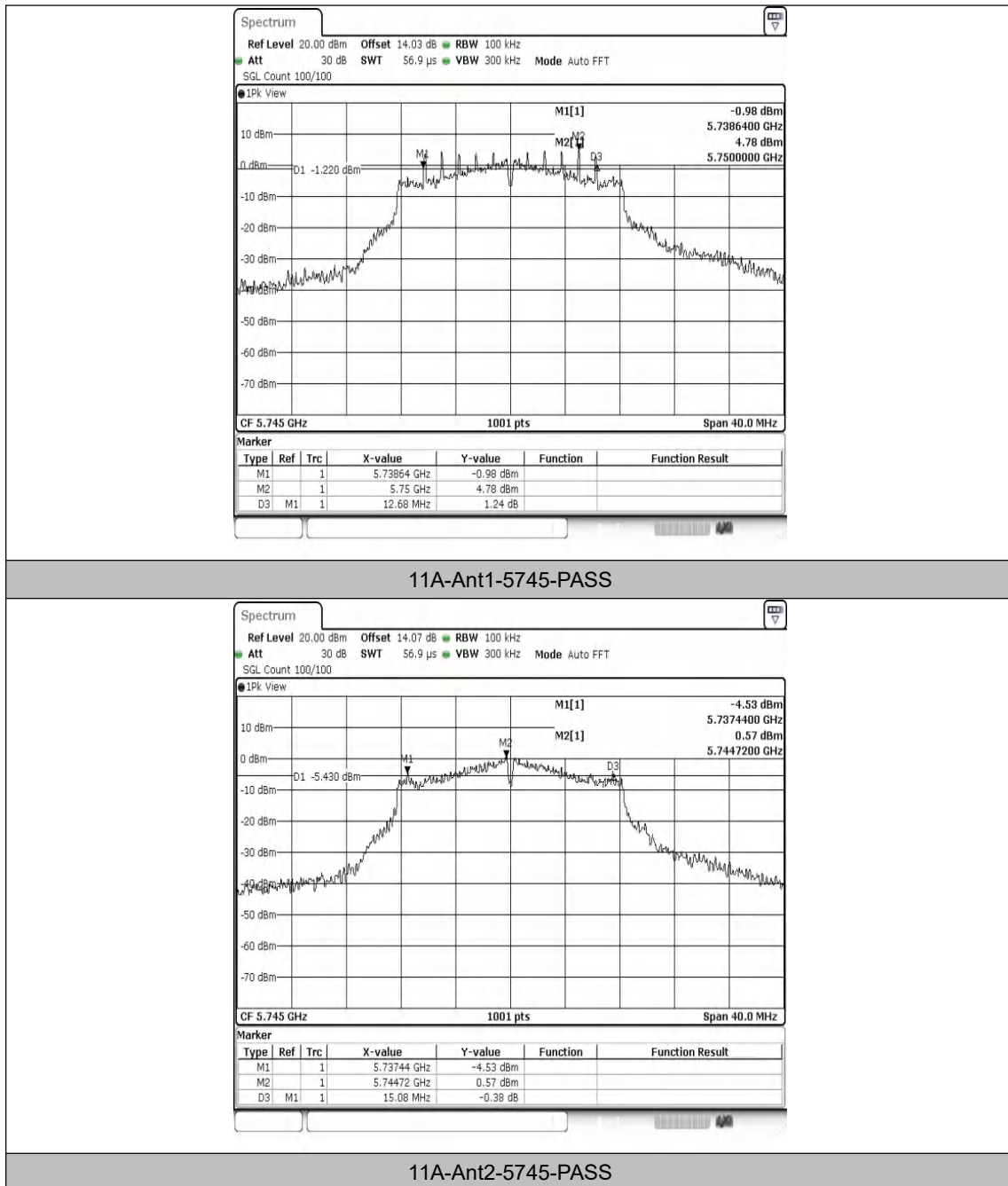
Appendix A3: Minimum 6dB Bandwidth

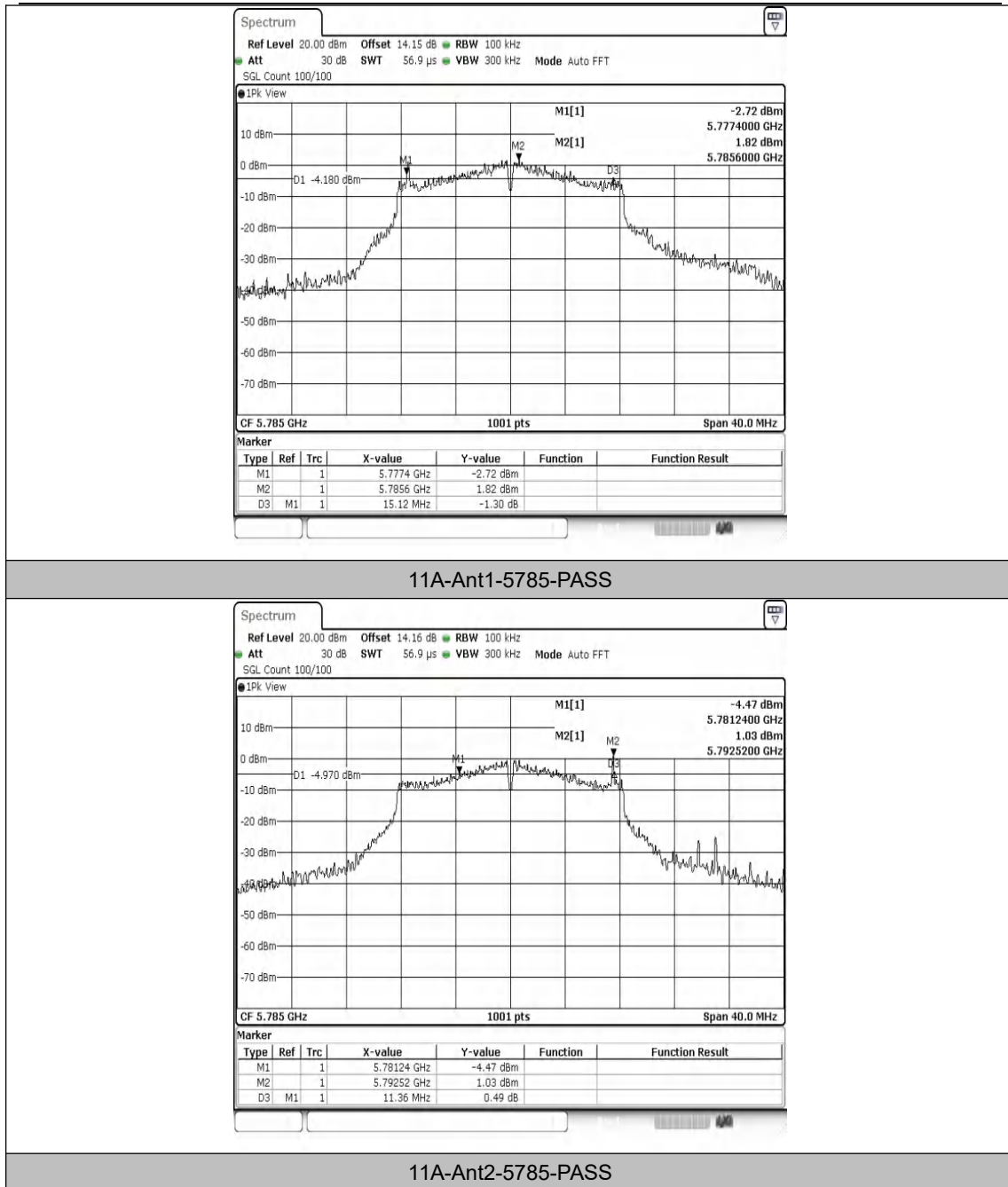
Test Result B4

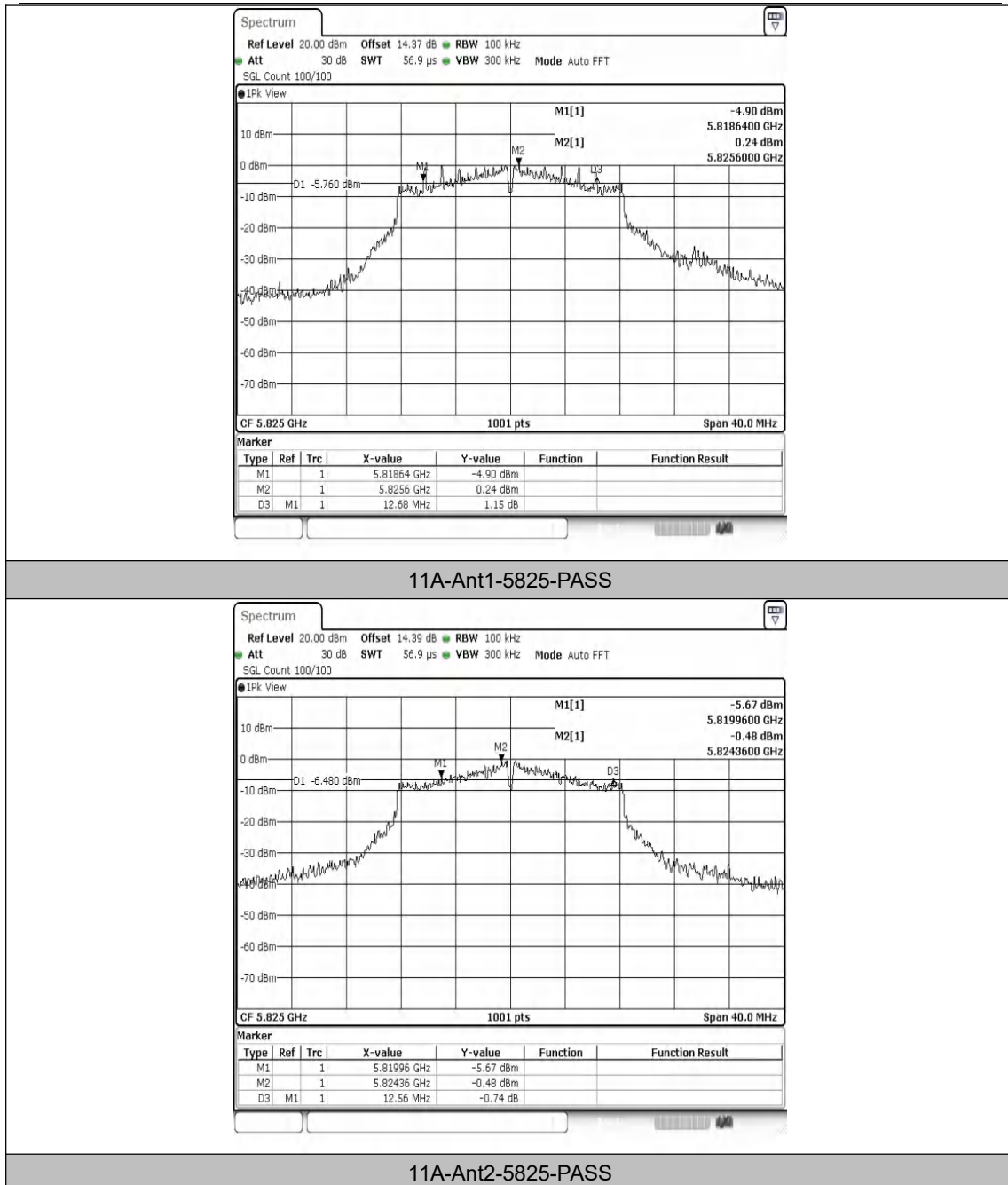
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	12.68	5738.64	5751.32	0.5	PASS
11A	Ant2	5745	15.08	5737.44	5752.52	0.5	PASS
11A	Ant1	5785	15.12	5777.40	5792.52	0.5	PASS
11A	Ant2	5785	11.36	5781.24	5792.60	0.5	PASS
11A	Ant1	5825	12.68	5818.64	5831.32	0.5	PASS
11A	Ant2	5825	12.56	5819.96	5832.52	0.5	PASS
11N20MIMO	Ant1	5745	15.44	5737.44	5752.88	0.5	PASS
11N20MIMO	Ant2	5745	17.72	5736.16	5753.88	0.5	PASS
11N20MIMO	Ant1	5785	15.12	5777.44	5792.56	0.5	PASS
11N20MIMO	Ant2	5785	17.64	5776.20	5793.84	0.5	PASS
11N20MIMO	Ant1	5825	15.44	5817.44	5832.88	0.5	PASS
11N20MIMO	Ant2	5825	17.68	5816.20	5833.88	0.5	PASS
11N40MIMO	Ant1	5755	36.32	5736.84	5773.16	0.5	PASS
11N40MIMO	Ant2	5755	36.48	5736.76	5773.24	0.5	PASS
11N40MIMO	Ant1	5795	36.32	5776.84	5813.16	0.5	PASS
11N40MIMO	Ant2	5795	36.32	5776.84	5813.16	0.5	PASS
11AC20MIMO	Ant1	5745	15.36	5737.16	5752.52	0.5	PASS
11AC20MIMO	Ant2	5745	17.68	5736.16	5753.84	0.5	PASS
11AC20MIMO	Ant1	5785	16.32	5776.84	5793.16	0.5	PASS
11AC20MIMO	Ant2	5785	17.64	5776.20	5793.84	0.5	PASS
11AC20MIMO	Ant1	5825	16.32	5816.84	5833.16	0.5	PASS
11AC20MIMO	Ant2	5825	17.64	5816.16	5833.80	0.5	PASS
11AC40MIMO	Ant1	5755	36.40	5736.84	5773.24	0.5	PASS
11AC40MIMO	Ant2	5755	36.08	5737.16	5773.24	0.5	PASS
11AC40MIMO	Ant1	5795	36.16	5777.08	5813.24	0.5	PASS
11AC40MIMO	Ant2	5795	36.40	5776.84	5813.24	0.5	PASS
11AC80MIMO	Ant1	5775	75.84	5736.76	5812.60	0.5	PASS
11AC80MIMO	Ant2	5775	76.00	5736.92	5812.92	0.5	PASS

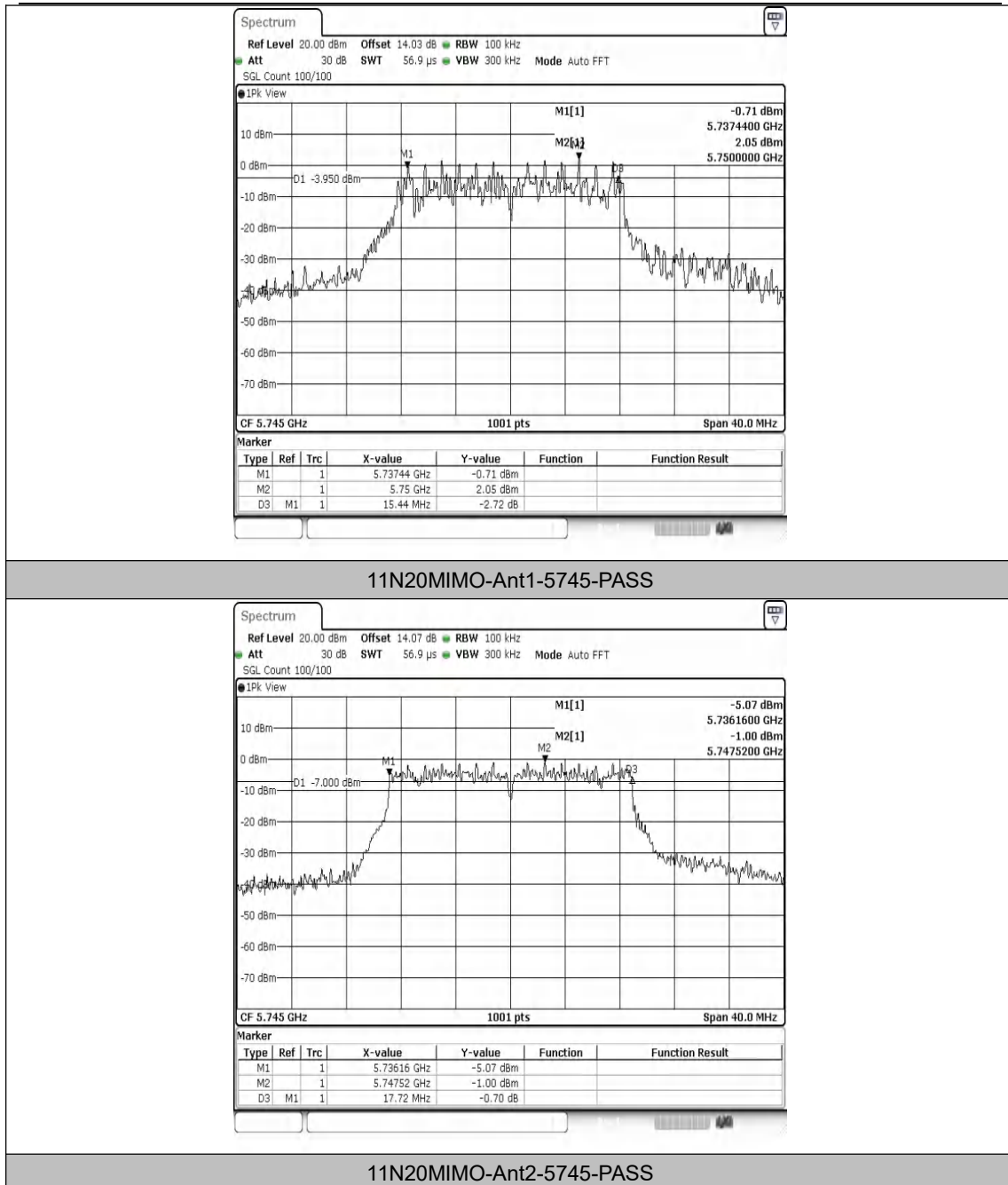


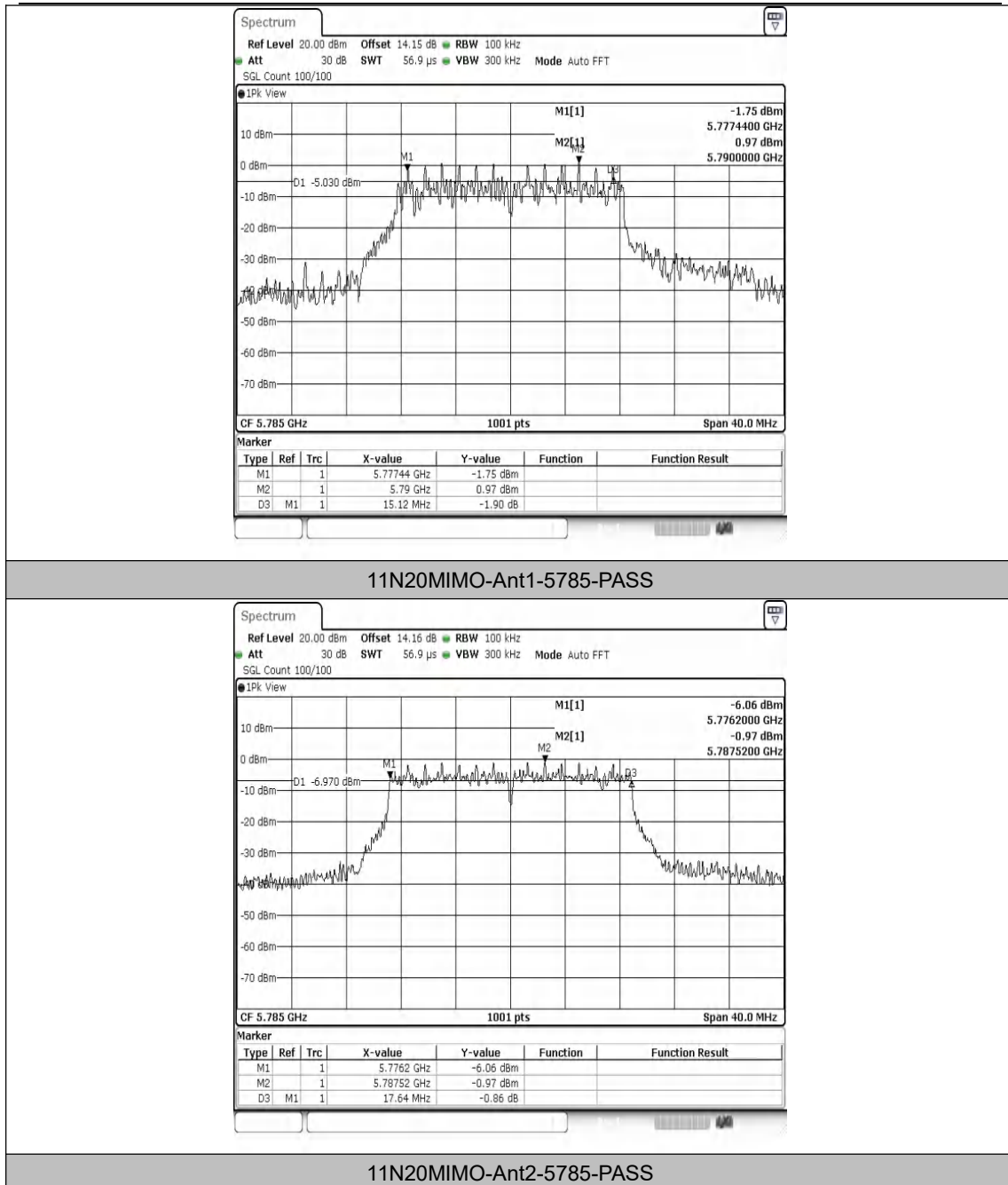
Test Graphs B4

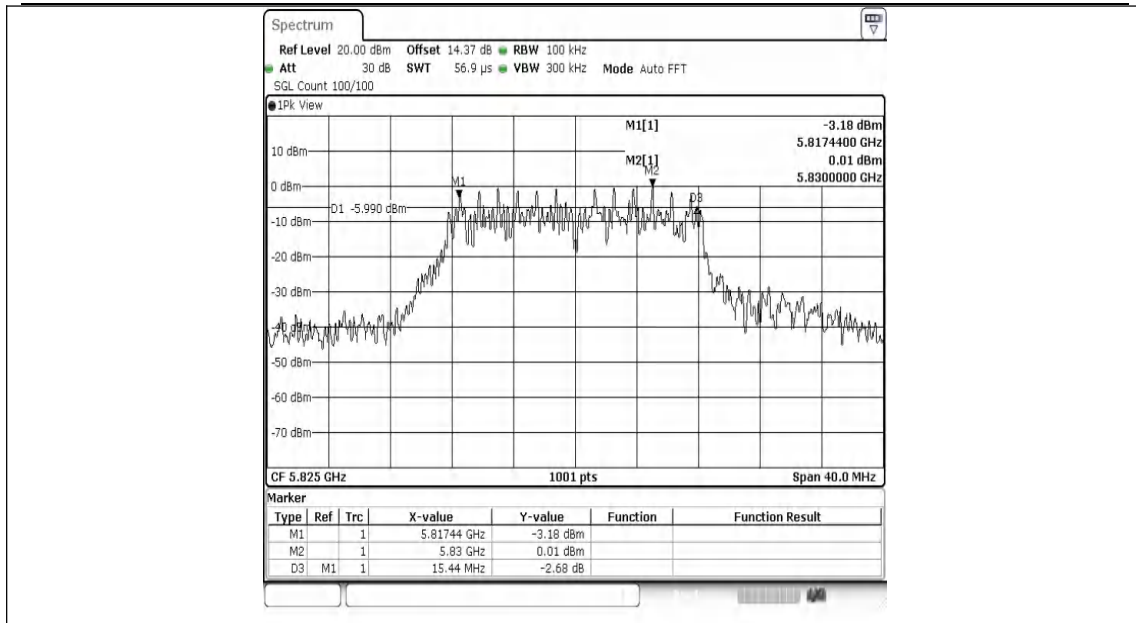




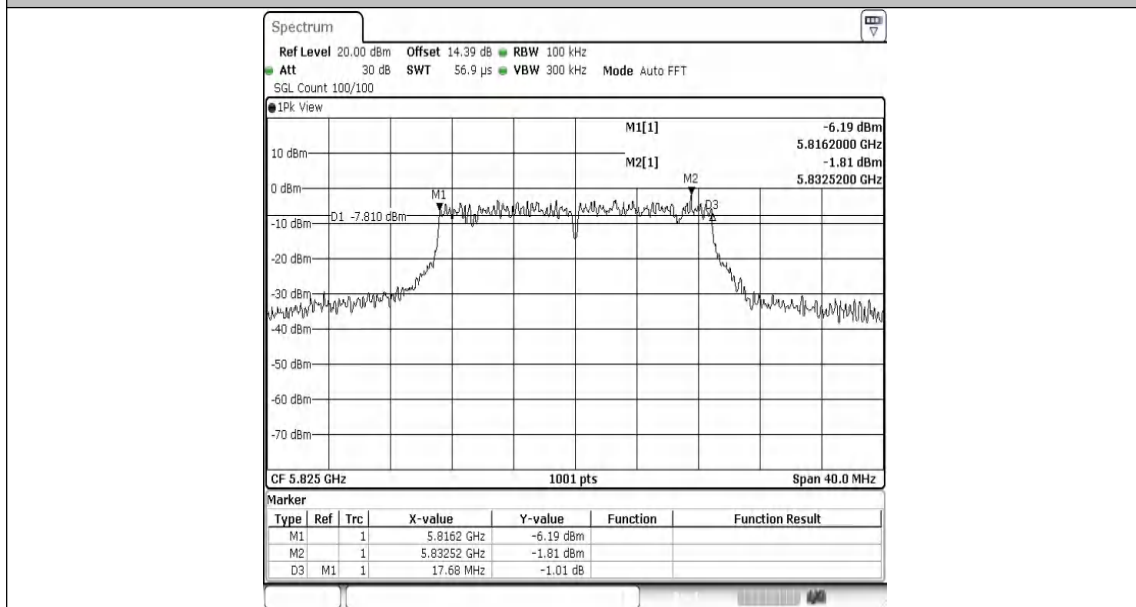




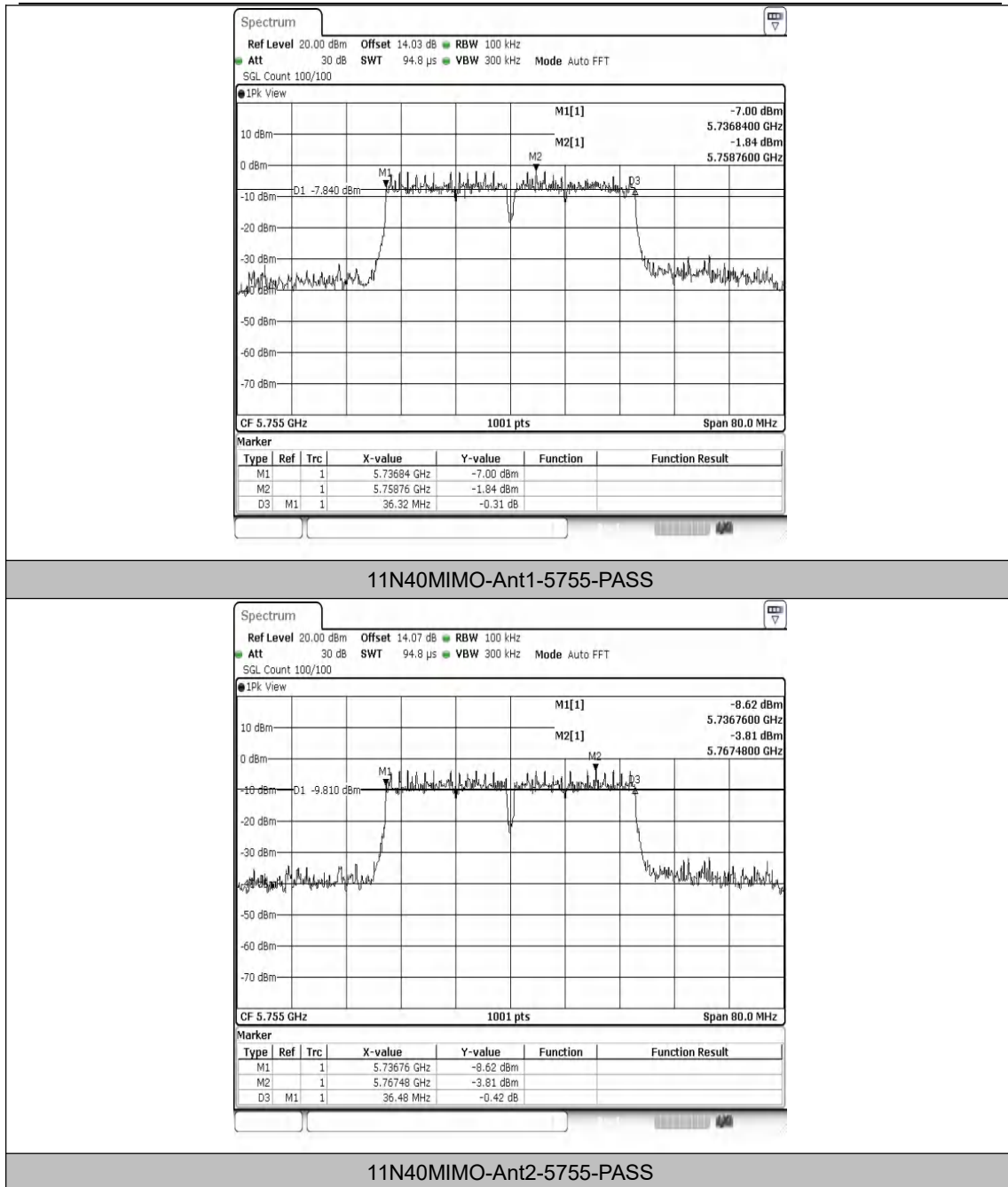


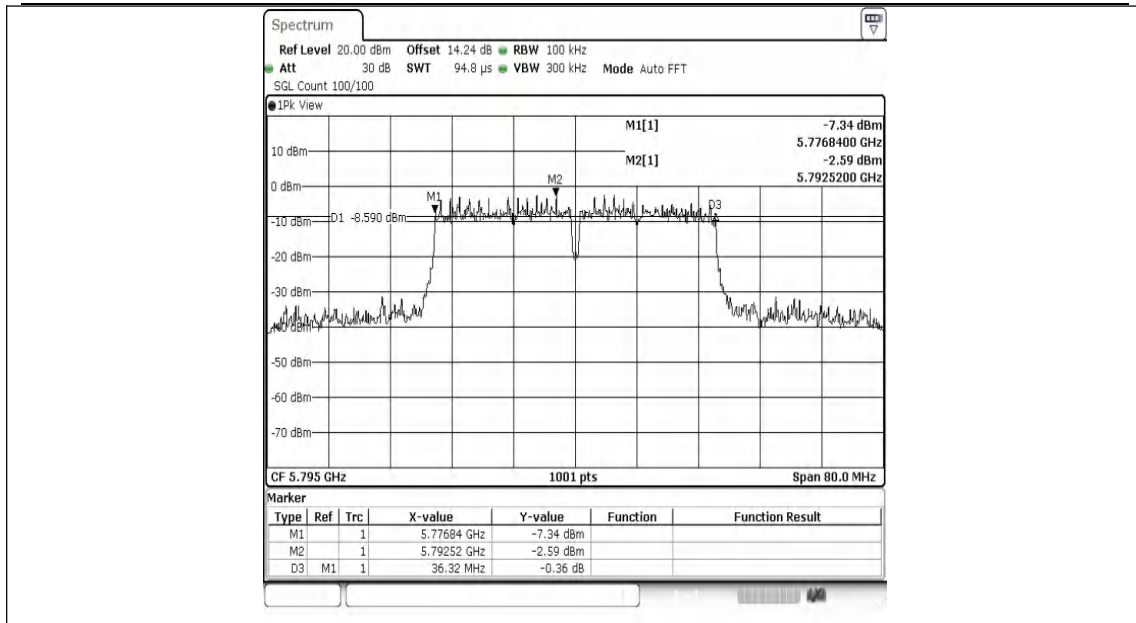


11N20MIMO-Ant1-5825-PASS

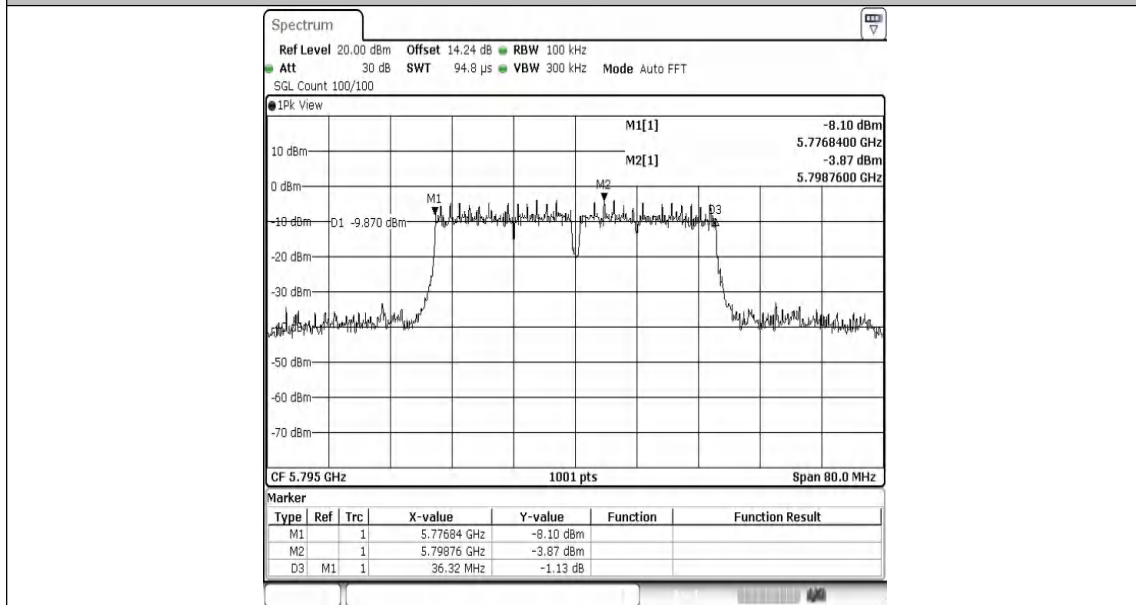


11N20MIMO-Ant2-5825-PASS

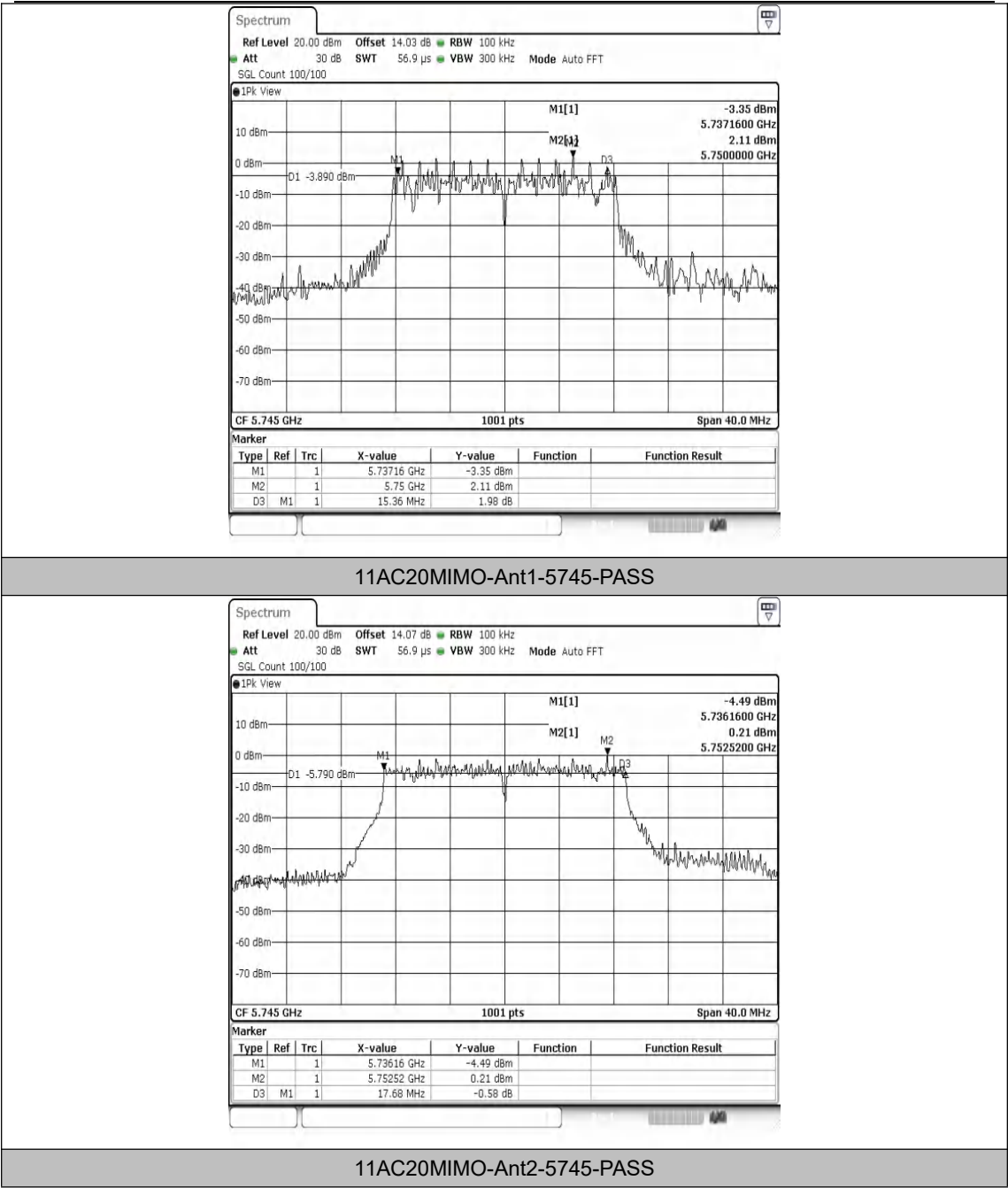


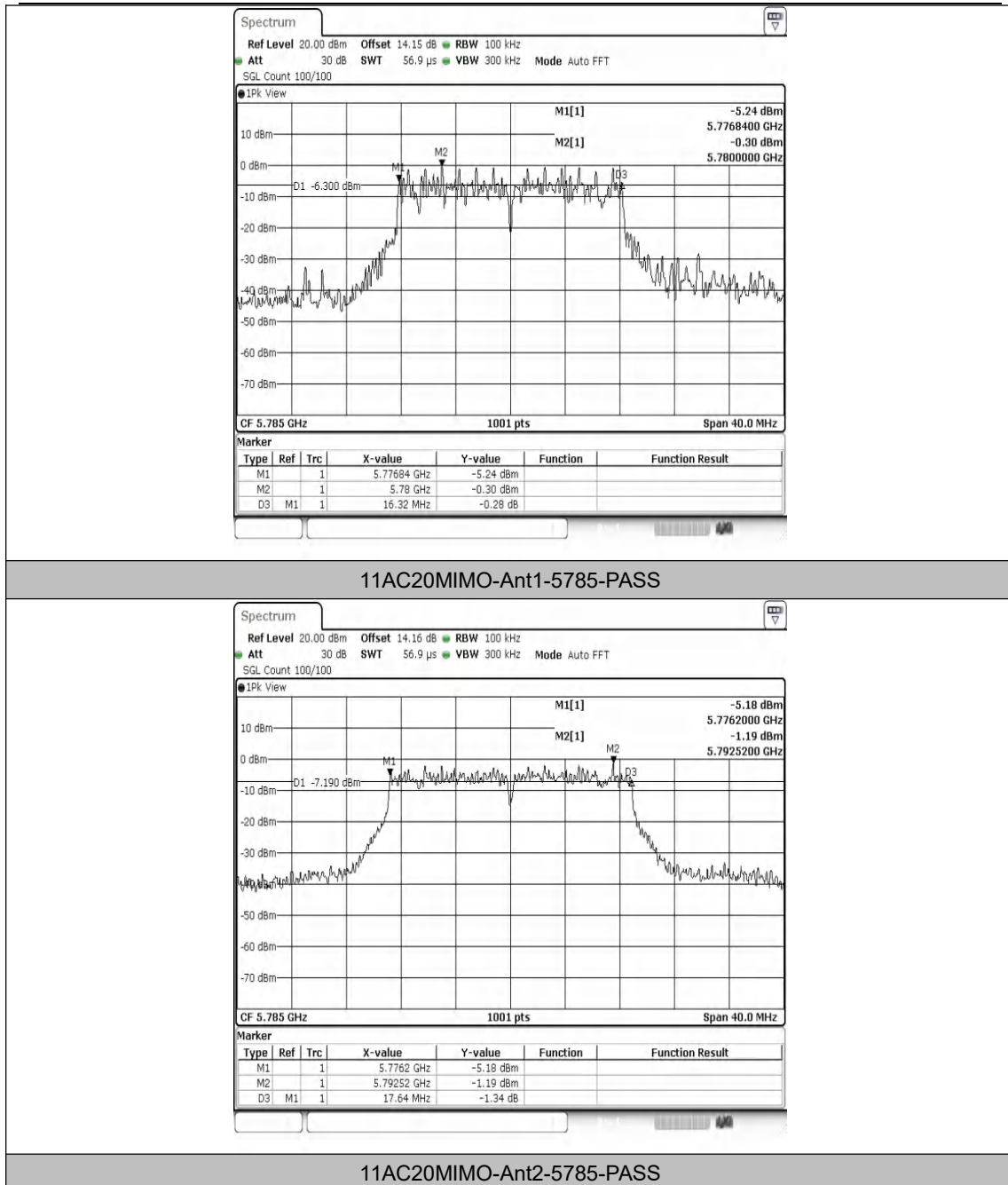


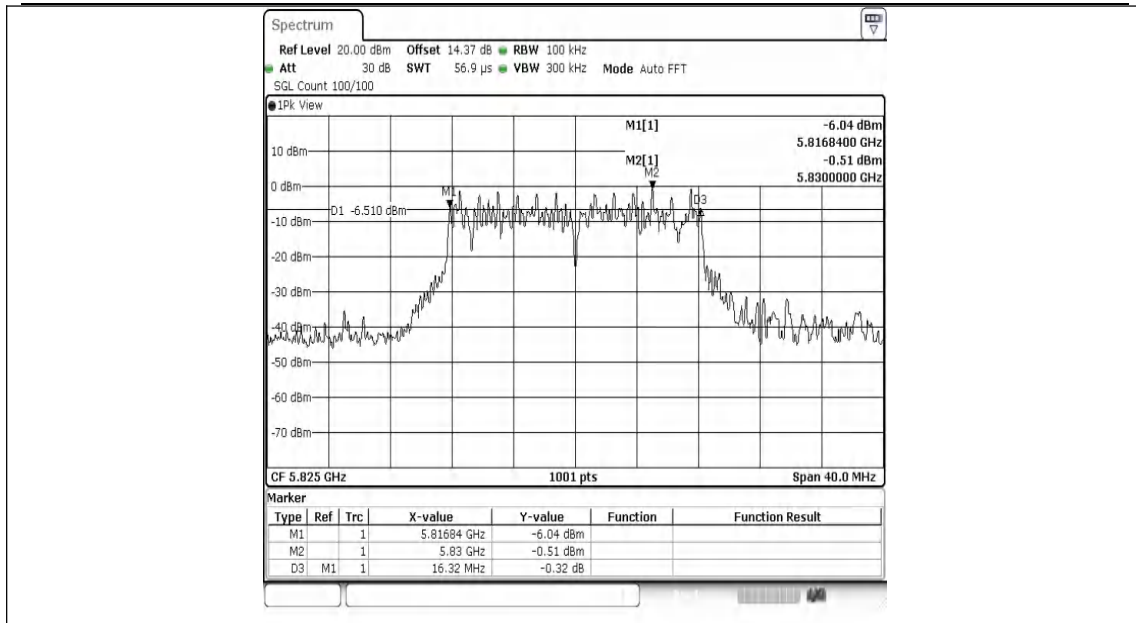
11N40MIMO-Ant1-5795-PASS



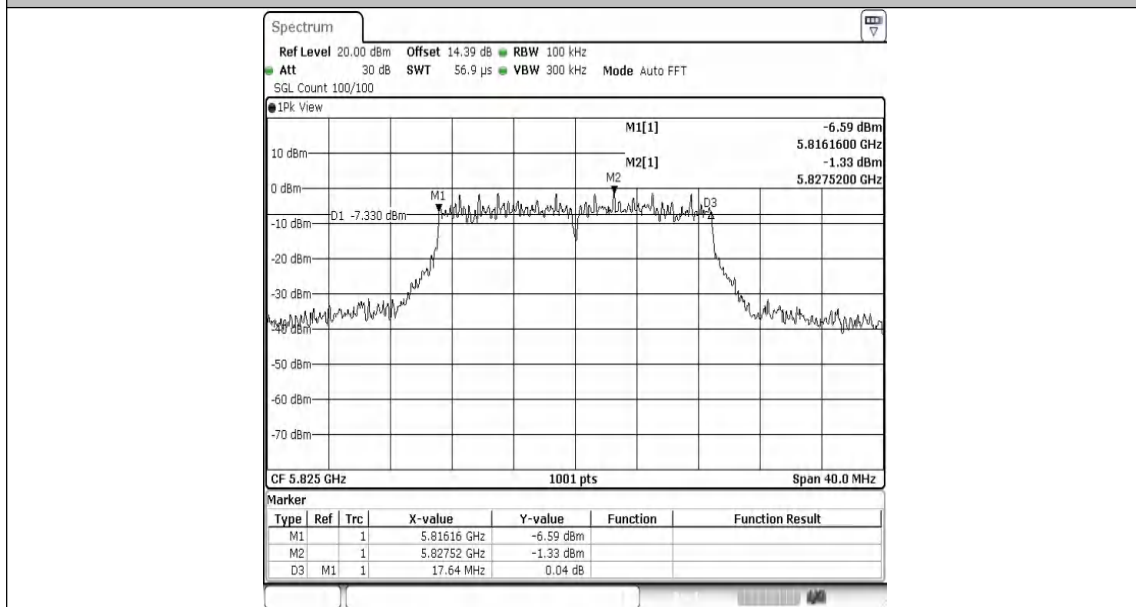
11N40MIMO-Ant2-5795-PASS



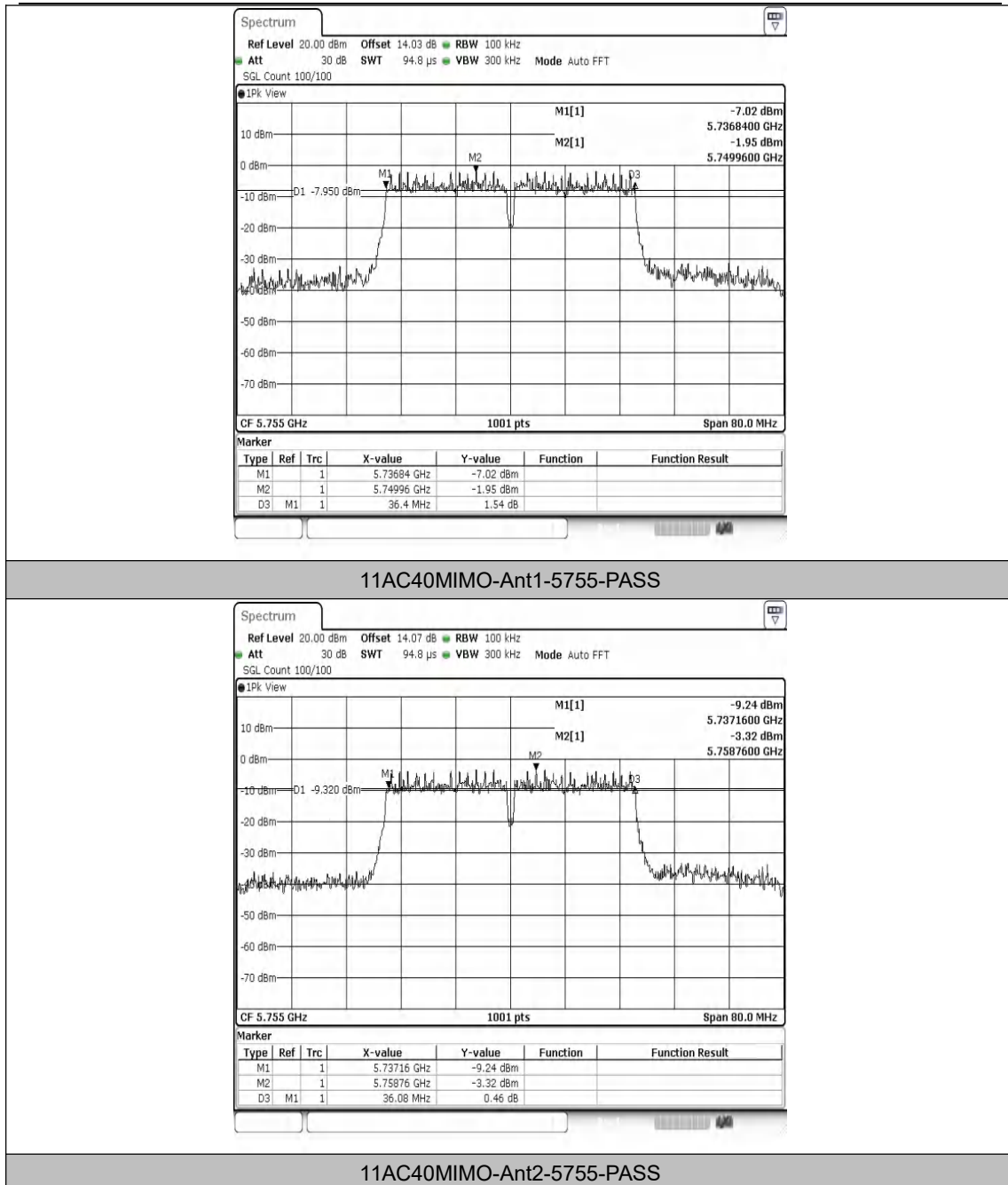


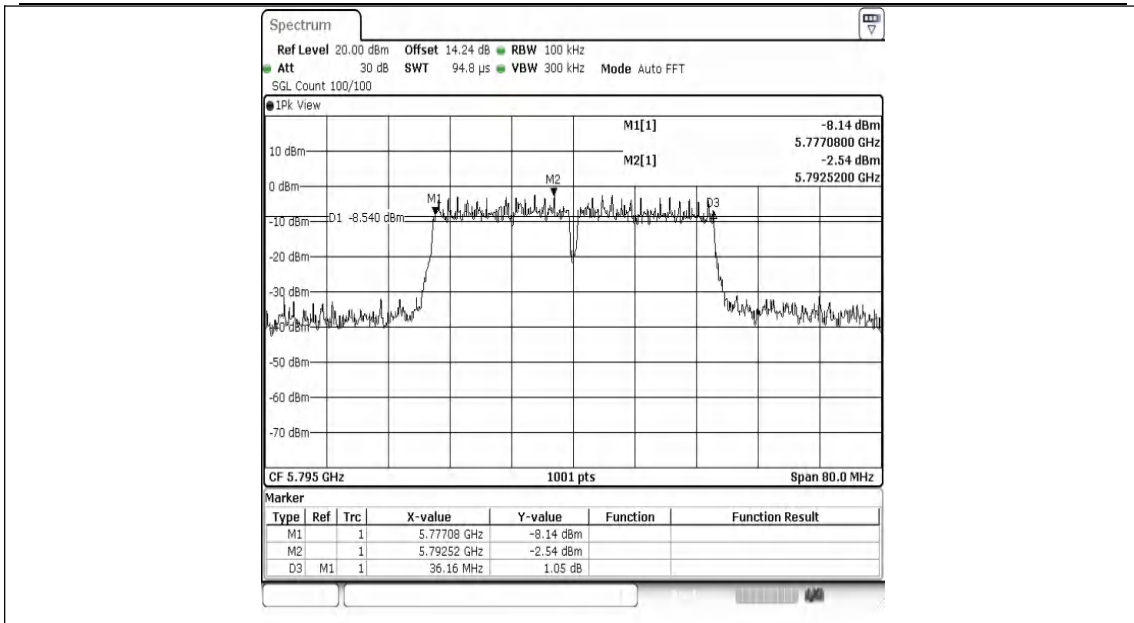


11AC20MIMO-Ant1-5825-PASS

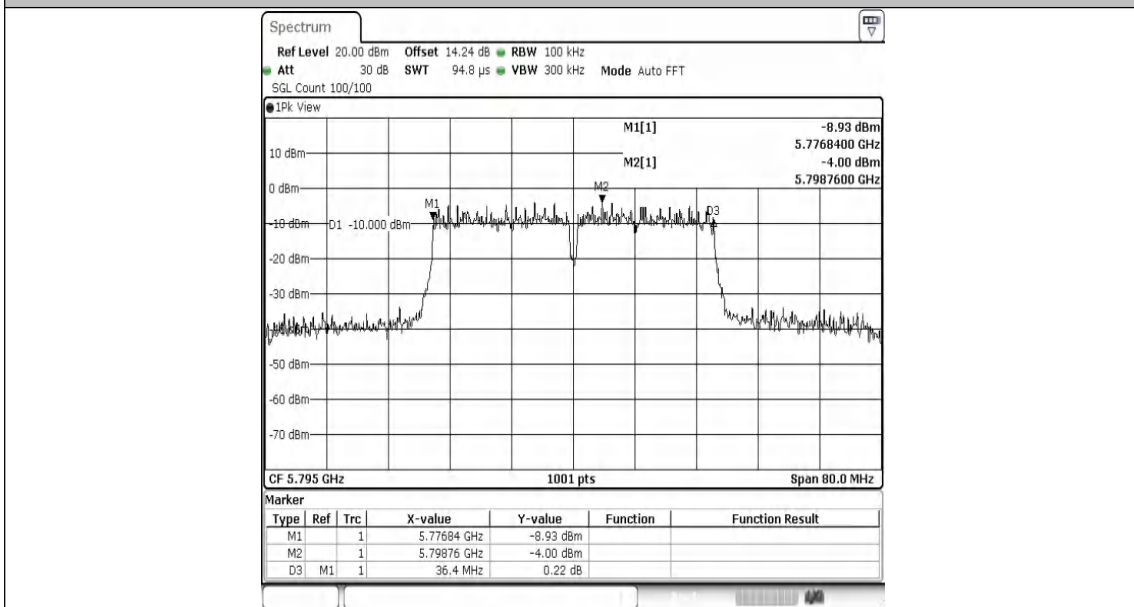


11AC20MIMO-Ant2-5825-PASS

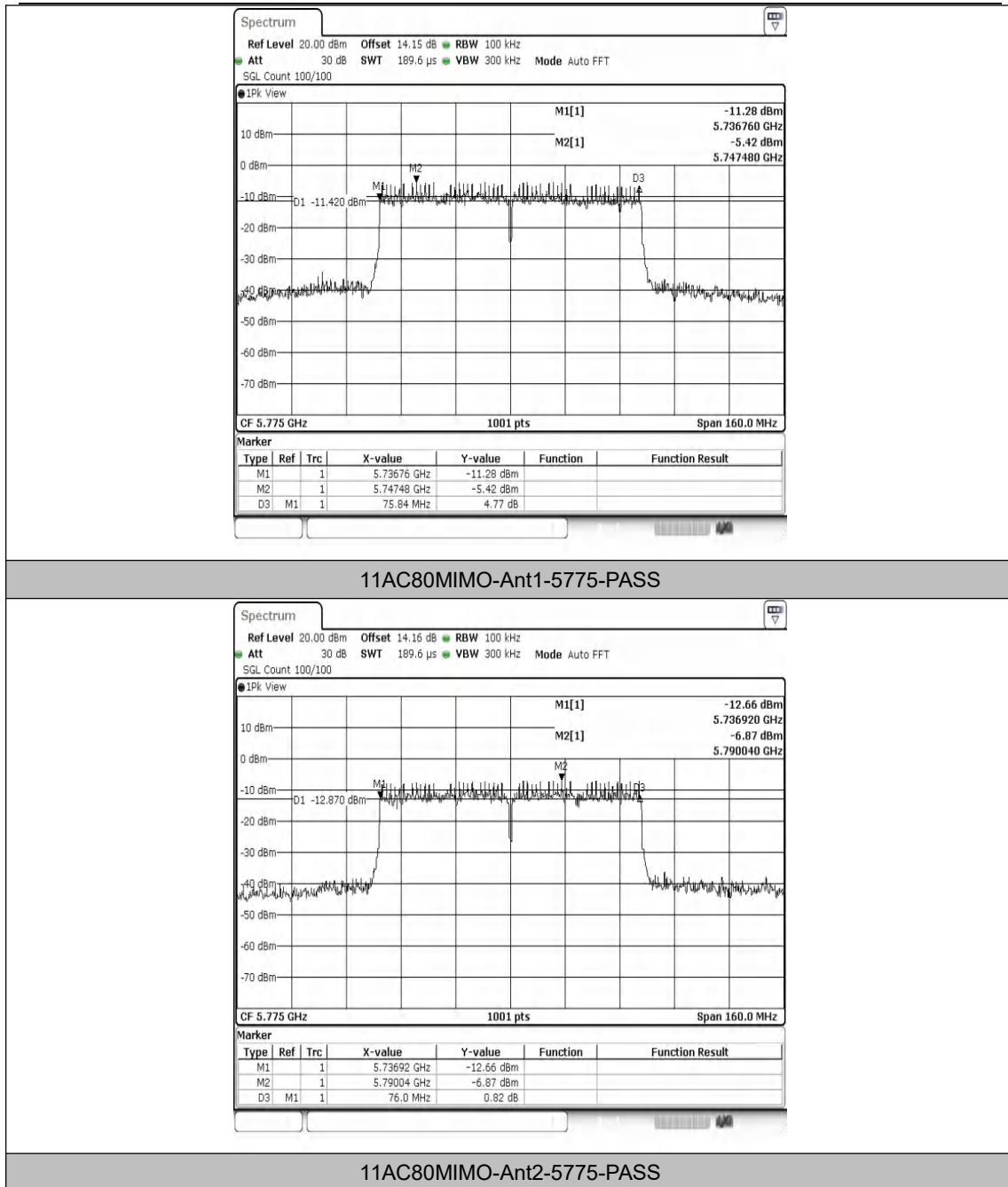




11AC40MIMO-Ant1-5795-PASS



11AC40MIMO-Ant2-5795-PASS



Appendix B: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Dc Factor [dB]	1/T
11A	Ant1	5180	1.39	1.49	93.29	0.30	0.72
11A	Ant2	5180	1.39	1.49	93.29	0.30	0.72
11A	Ant1	5200	1.39	1.49	93.29	0.30	0.72
11A	Ant2	5200	1.39	1.49	93.29	0.30	0.72
11A	Ant1	5240	1.39	1.84	75.54	1.22	0.72
11A	Ant2	5240	1.39	1.84	75.54	1.22	0.72
11A	Ant1	5745	1.39	1.49	93.29	0.30	0.72
11A	Ant2	5745	1.39	1.49	93.29	0.30	0.72
11A	Ant1	5785	1.39	1.49	93.29	0.30	0.72
11A	Ant2	5785	1.39	1.49	93.29	0.30	0.72
11A	Ant1	5825	1.39	1.49	93.29	0.30	0.72
11A	Ant2	5825	1.39	1.49	93.29	0.30	0.72
11N20MIMO	Ant1	5180	0.02	0.26	7.69	11.14	50.00
11N20MIMO	Ant2	5180	0.16	0.27	59.26	2.27	6.25
11N20MIMO	Ant1	5200	0.03	0.27	11.11	9.54	33.33
11N20MIMO	Ant2	5200	0.17	0.27	62.96	2.01	5.88
11N20MIMO	Ant1	5240	0.03	0.27	11.11	9.54	33.33
11N20MIMO	Ant2	5240	0.16	0.27	59.26	2.27	6.25
11N20MIMO	Ant1	5745	0.03	0.27	11.11	9.54	33.33
11N20MIMO	Ant2	5745	0.16	0.27	59.26	2.27	6.25
11N20MIMO	Ant1	5785	0.03	0.26	11.54	9.38	33.33
11N20MIMO	Ant2	5785	0.16	0.26	61.54	2.11	6.25
11N20MIMO	Ant1	5825	0.03	0.27	11.11	9.54	33.33
11N20MIMO	Ant2	5825	0.16	0.27	59.26	2.27	6.25
11N40MIMO	Ant1	5190	0.10	0.20	50.00	3.01	10.00
11N40MIMO	Ant2	5190	0.10	0.20	50.00	3.01	10.00
11N40MIMO	Ant1	5230	0.09	0.20	45.00	3.47	11.11
11N40MIMO	Ant2	5230	0.10	0.20	50.00	3.01	10.00
11N40MIMO	Ant1	5755	0.10	0.21	47.62	3.22	10.00
11N40MIMO	Ant2	5755	0.10	0.21	47.62	3.22	10.00
11N40MIMO	Ant1	5795	0.10	0.21	47.62	3.22	10.00
11N40MIMO	Ant2	5795	0.09	0.20	45.00	3.47	11.11
11AC20MIMO	Ant1	5180	0.03	0.25	12.00	9.21	33.33
11AC20MIMO	Ant2	5180	0.14	0.25	56.00	2.52	7.14
11AC20MIMO	Ant1	5200	0.03	0.25	12.00	9.21	33.33
11AC20MIMO	Ant2	5200	0.15	0.25	60.00	2.22	6.67

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11AC20MIMO	Ant1	5240	0.02	0.25	8.00	10.97	50.00
11AC20MIMO	Ant2	5240	0.14	0.25	56.00	2.52	7.14
11AC20MIMO	Ant1	5745	0.03	0.25	12.00	9.21	33.33
11AC20MIMO	Ant2	5745	0.15	0.25	60.00	2.22	6.67
11AC20MIMO	Ant1	5785	0.02	0.25	8.00	10.97	50.00
11AC20MIMO	Ant2	5785	0.15	0.25	60.00	2.22	6.67
11AC20MIMO	Ant1	5825	0.03	0.25	12.00	9.21	33.33
11AC20MIMO	Ant2	5825	0.15	0.25	60.00	2.22	6.67
11AC40MIMO	Ant1	5190	0.08	0.18	44.44	3.52	12.50
11AC40MIMO	Ant2	5190	0.08	0.19	42.11	3.76	12.50
11AC40MIMO	Ant1	5230	0.08	0.18	44.44	3.52	12.50
11AC40MIMO	Ant2	5230	0.09	0.19	47.37	3.24	11.11
11AC40MIMO	Ant1	5755	0.08	0.19	42.11	3.76	12.50
11AC40MIMO	Ant2	5755	0.09	0.19	47.37	3.24	11.11
11AC40MIMO	Ant1	5795	0.08	0.19	42.11	3.76	12.50
11AC40MIMO	Ant2	5795	0.08	0.18	44.44	3.52	12.50
11AC80MIMO	Ant1	5210	0.07	0.17	41.18	3.85	14.29
11AC80MIMO	Ant2	5210	0.07	0.17	41.18	3.85	14.29
11AC80MIMO	Ant1	5775	0.06	0.16	37.50	4.26	16.67
11AC80MIMO	Ant2	5775	0.07	0.17	41.18	3.85	14.29

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Test Graphs

