

RF Test Data for 5G Wi-Fi (Conducted Measurements)

General Description of EUT	
Product Name:	Portable Gaming Computer(Tablet computer)
Test Model:	AYANEO Pocket Micro
Sample ID:	HC-C-202407-0066-01-01-2#
Test Standard:	FCC Part 15.407
Environmental Conditions	
Temperature:	24.3℃
Relative Humidity:	55%RH
Test Voltage:	DC 3.85V
Test Engineer:	Jolin Lee
Note: For a more detailed features description, please refer to the report TBR-C-202407-0066-63	

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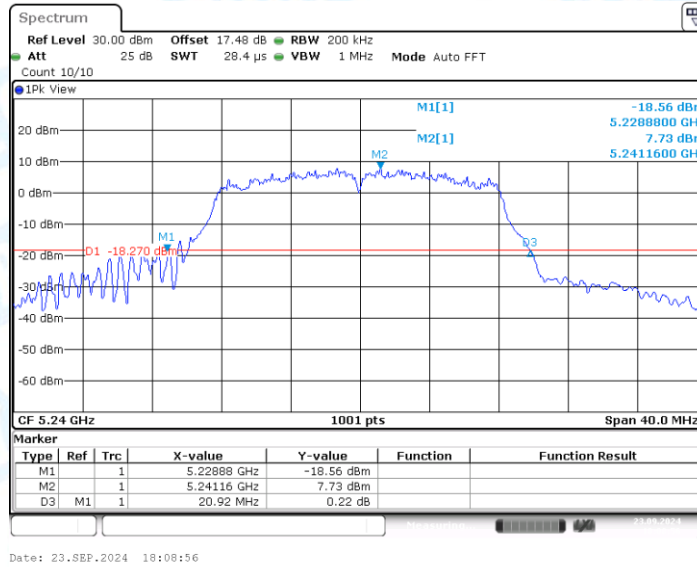
1. Emission Bandwidth

1.1. Test Result

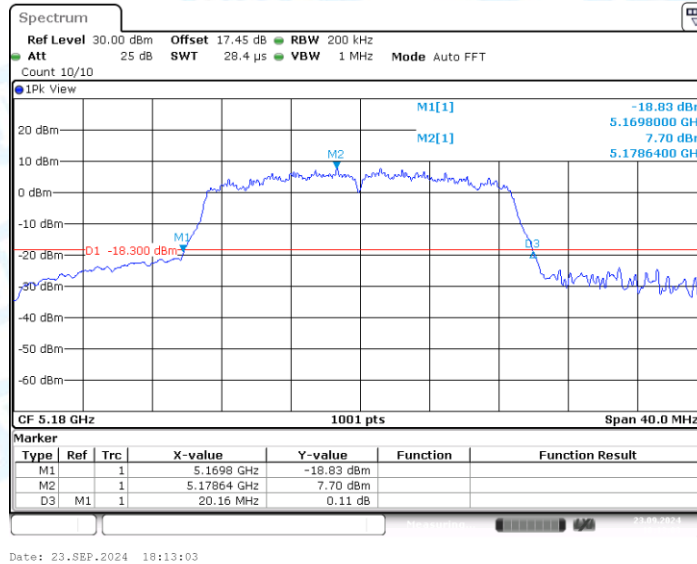
TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.00	5169.96	5189.96	---	---
		5200	20.12	5189.84	5209.96	---	---
		5240	20.92	5228.88	5249.80	---	---
11N20SISO	Ant1	5180	20.16	5169.80	5189.96	---	---
		5200	20.40	5189.72	5210.12	---	---
		5240	20.16	5229.92	5250.08	---	---
11N40SISO	Ant1	5190	40.24	5169.84	5210.08	---	---
		5230	41.04	5209.44	5250.48	---	---
11AC20SISO	Ant1	5180	20.16	5169.88	5190.04	---	---
		5200	20.16	5189.84	5210.00	---	---
		5240	20.32	5229.76	5250.08	---	---
11AC40SISO	Ant1	5190	40.88	5169.52	5210.40	---	---
		5230	40.72	5209.60	5250.32	---	---
11AC80SISO	Ant1	5210	80.00	5170.00	5250.00	---	---

2.1. Test Graphs

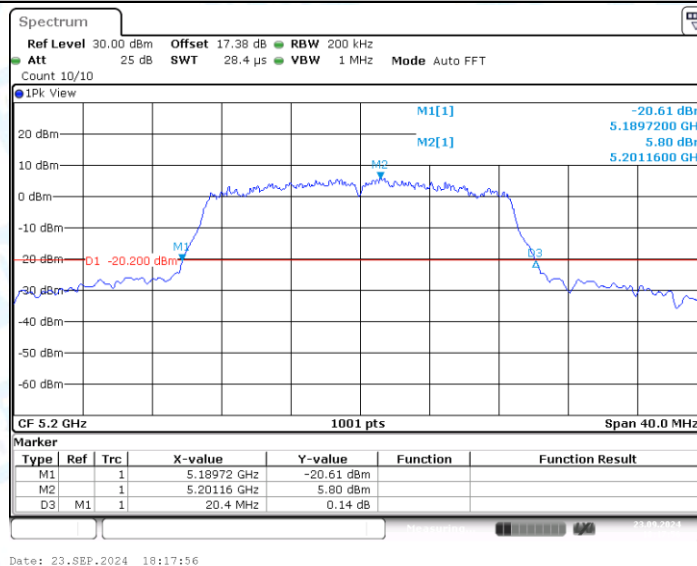




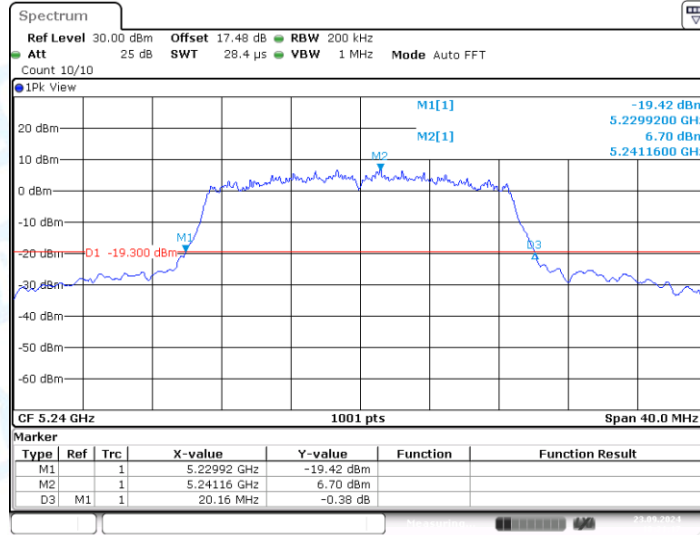
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200

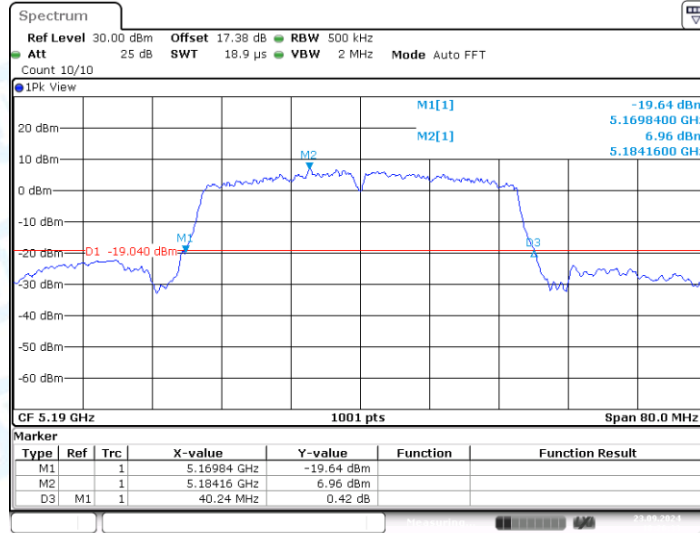


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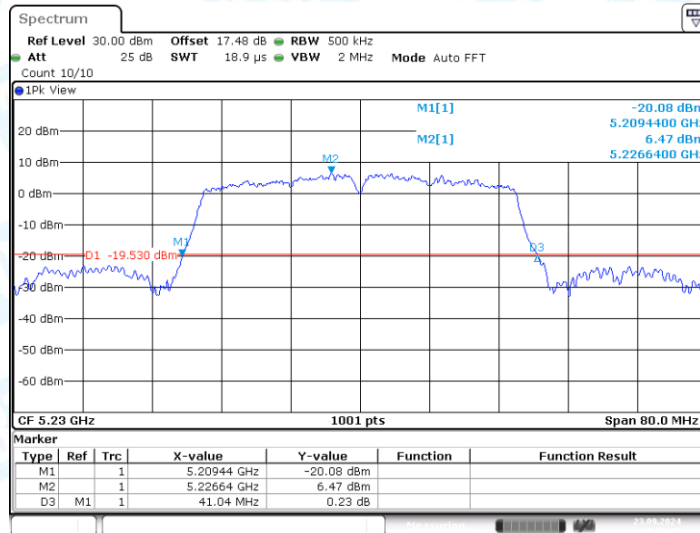
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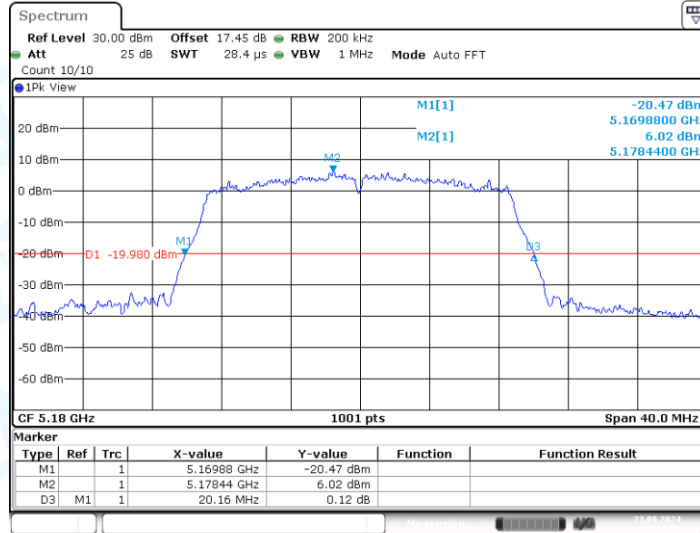
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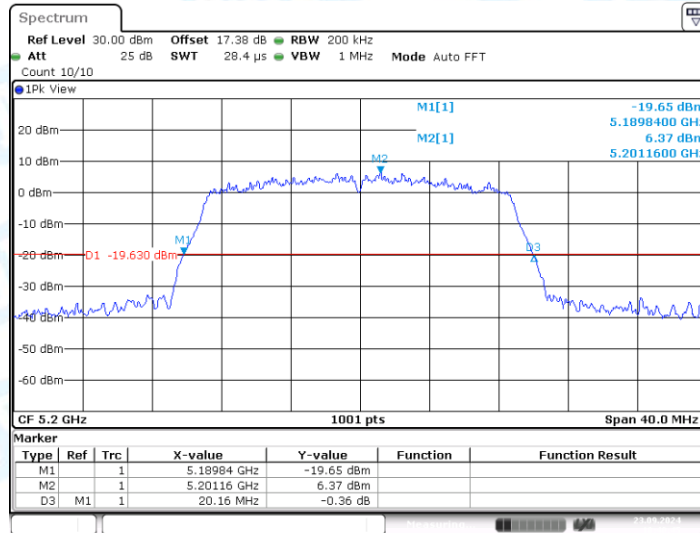
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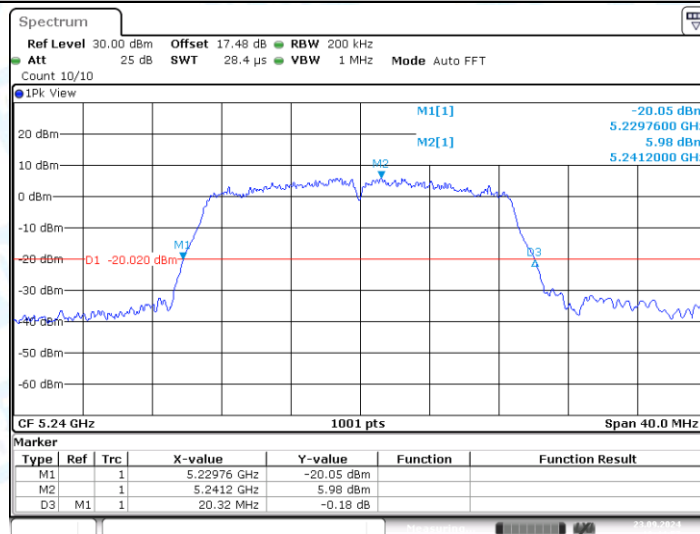
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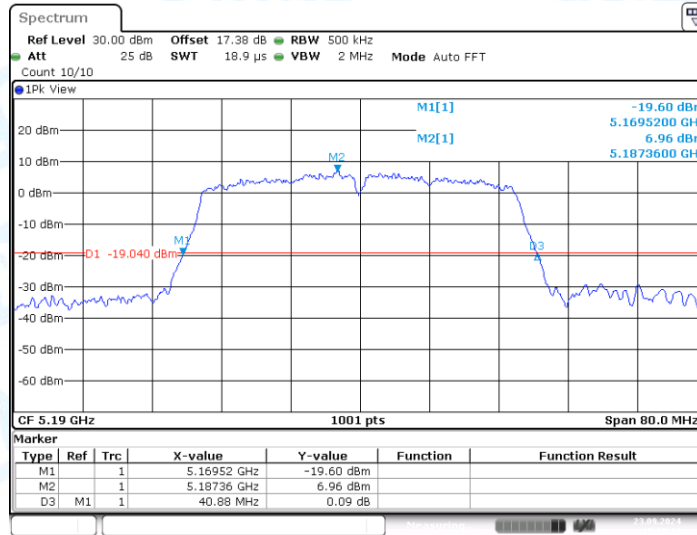
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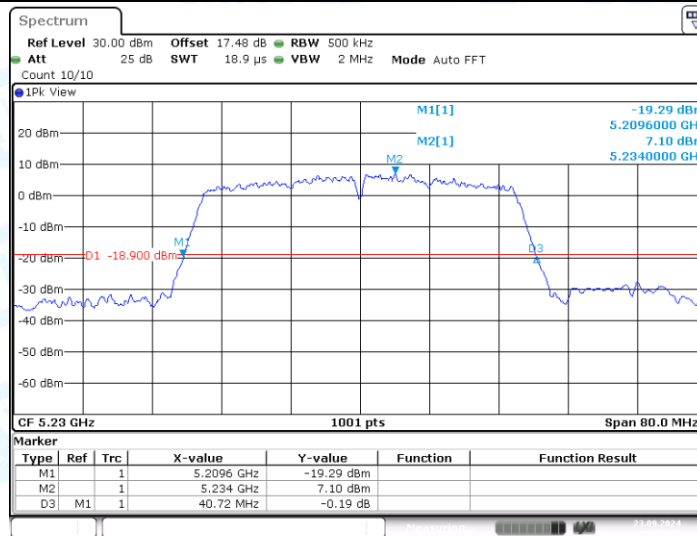
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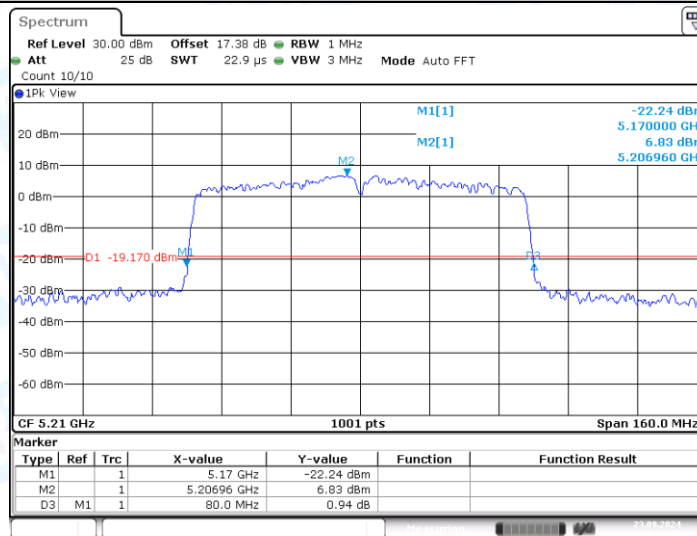
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11AC80SISO_Ant1_5210



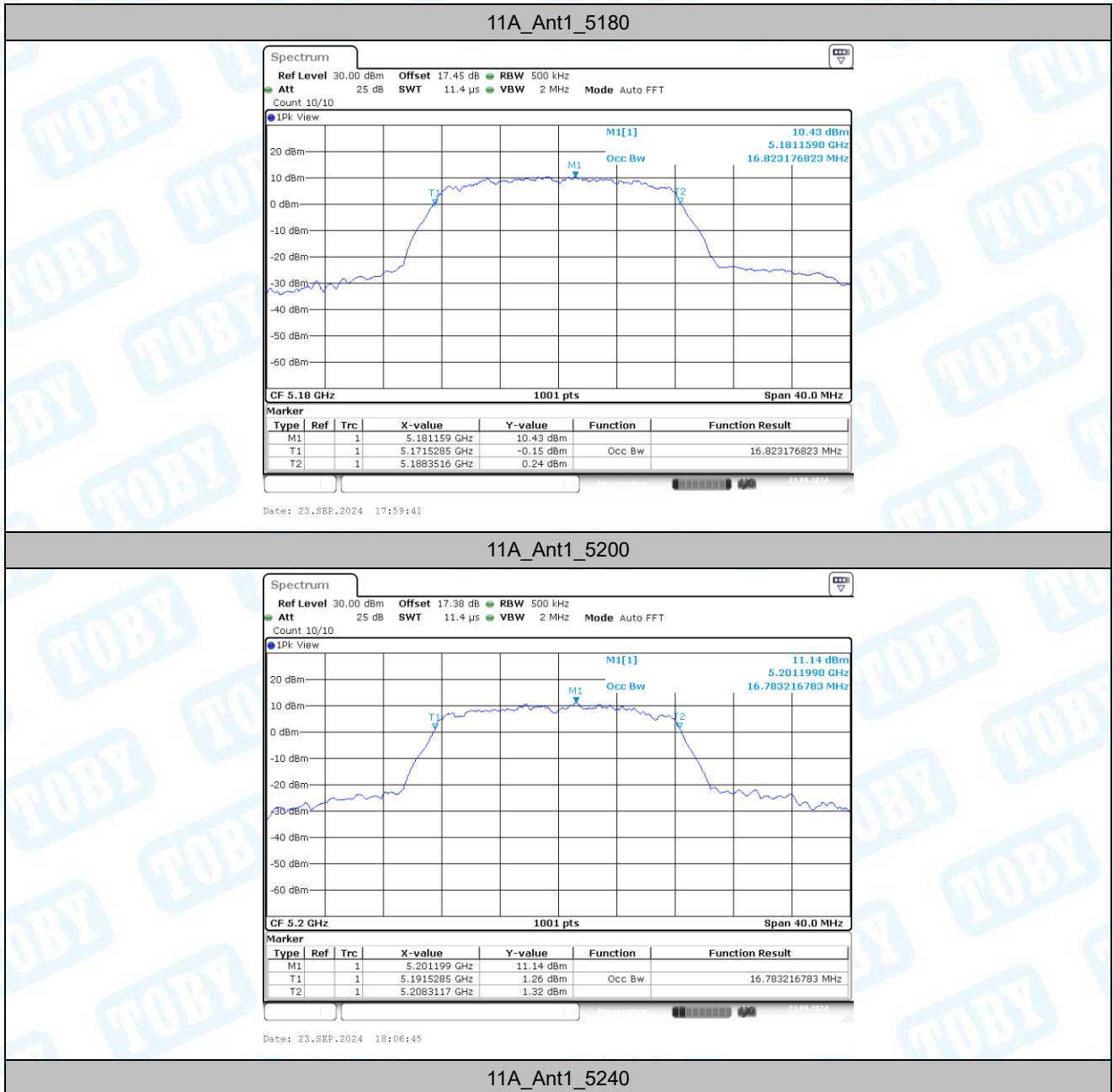
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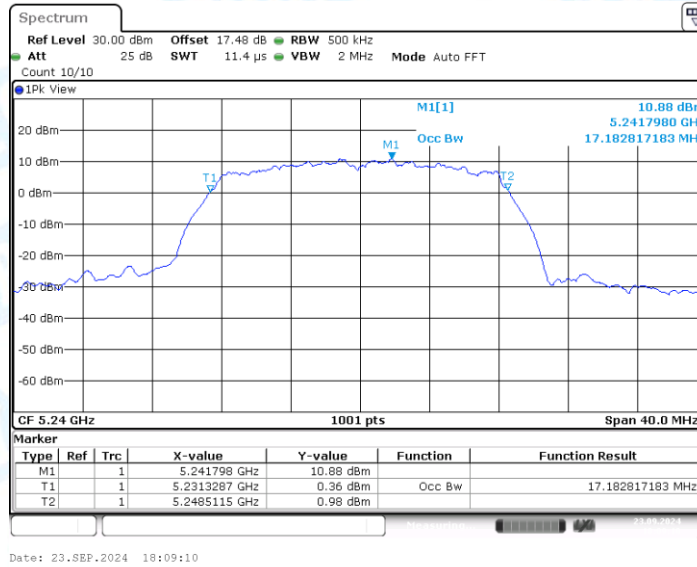
2. Occupied channel bandwidth

2.1. Test Result

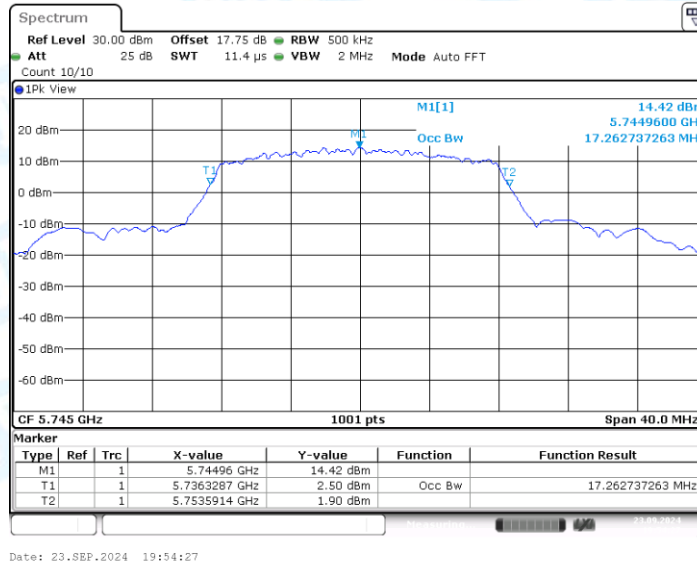
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.823	5171.5285	5188.3516	---	---
		5200	16.783	5191.5285	5208.3117	---	---
		5240	17.183	5231.3287	5248.5115	---	---
		5745	17.263	5736.3287	5753.5914	---	---
		5785	17.183	5776.4885	5793.6713	---	---
		5825	17.063	5816.3287	5833.3916	---	---
11N20SISO	Ant1	5180	18.062	5170.9291	5188.9910	---	---
		5200	17.822	5190.9690	5208.7912	---	---
		5240	17.702	5231.0490	5248.7512	---	---
		5745	18.342	5735.8092	5754.1508	---	---
		5785	18.342	5775.7293	5794.0709	---	---
		5825	18.102	5815.8891	5833.9910	---	---
11N40SISO	Ant1	5190	36.364	5171.8581	5208.2218	---	---
		5230	36.204	5211.8581	5248.0619	---	---
		5755	36.683	5736.6983	5773.3816	---	---
		5795	36.923	5776.5385	5813.4615	---	---
11AC20SISO	Ant1	5180	17.942	5170.9690	5188.9111	---	---
		5200	18.102	5190.8492	5208.9510	---	---
		5240	17.862	5231.0090	5248.8711	---	---
		5745	18.302	5735.7293	5754.0310	---	---
		5785	18.102	5775.8092	5793.9111	---	---
		5825	18.182	5815.8092	5833.9910	---	---
11AC40SISO	Ant1	5190	36.044	5171.9381	5207.9820	---	---
		5230	36.284	5211.7782	5248.0619	---	---
		5755	36.284	5736.7782	5773.0619	---	---
		5795	36.124	5776.7782	5812.9021	---	---
11AC80SISO	Ant1	5210	75.445	5171.9580	5247.4026	---	---
		5775	75.764	5736.9580	5812.7223	---	---

2.2. Test Graphs

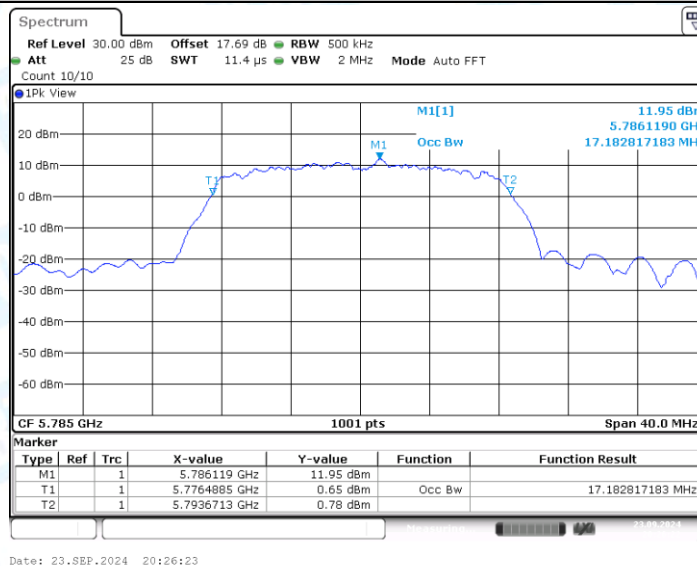




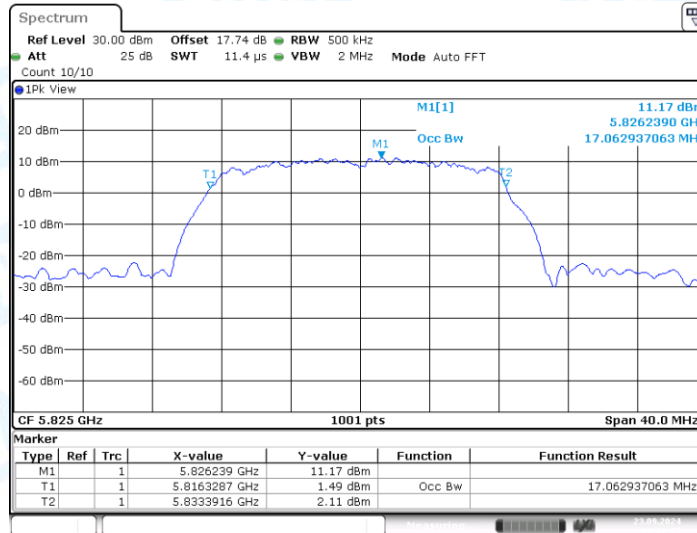
11A_Ant1_5745



11A_Ant1_5785

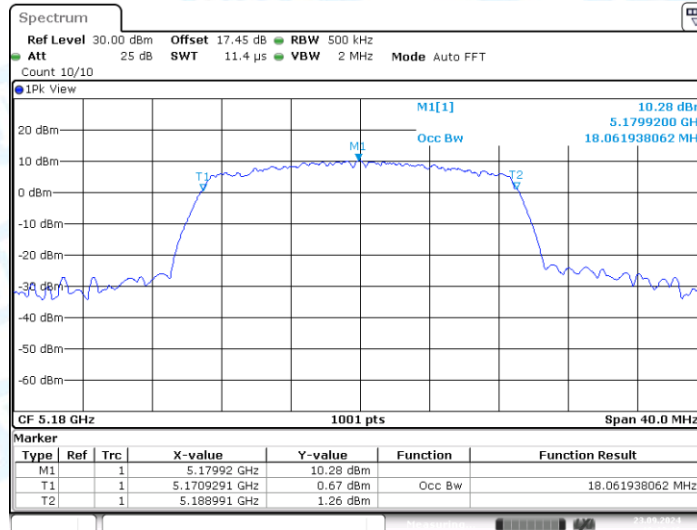


11A_Ant1_5825



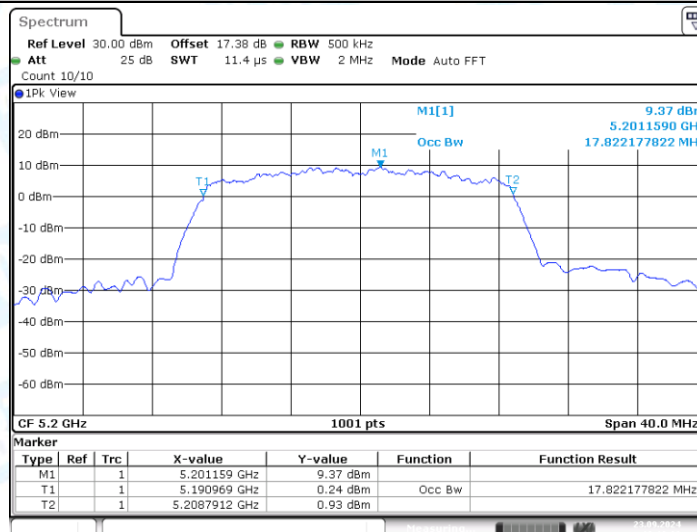
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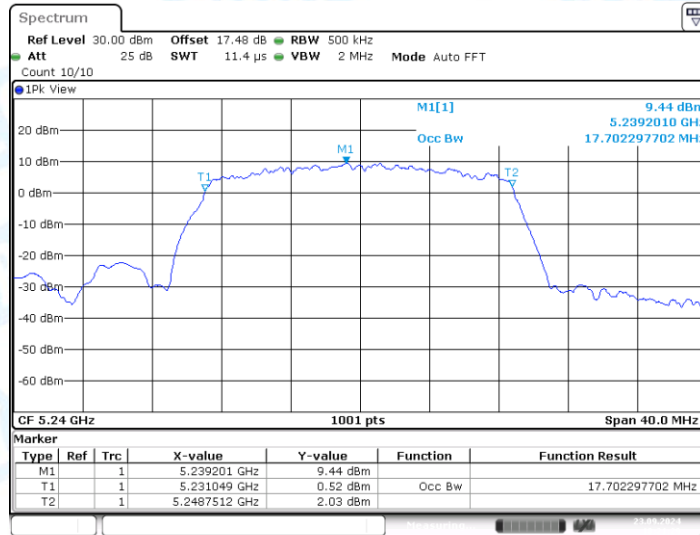
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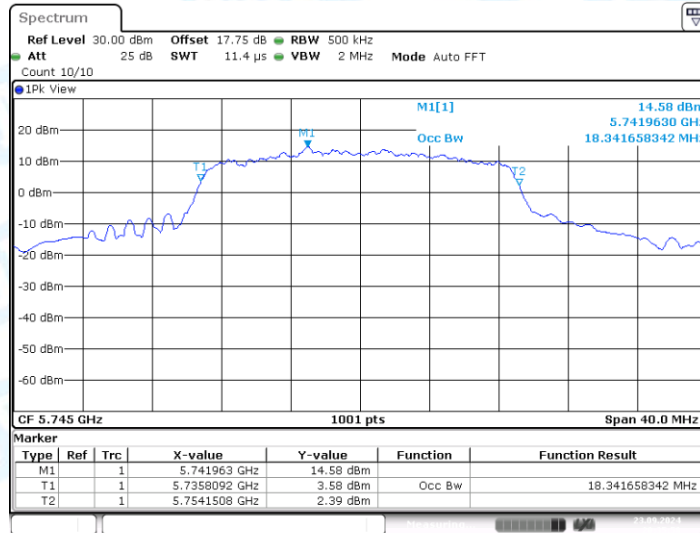
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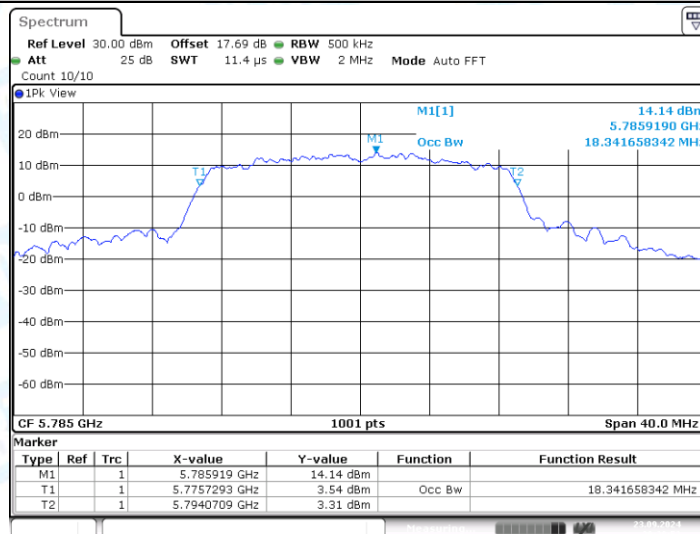
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11N20SISO_Ant1_5745



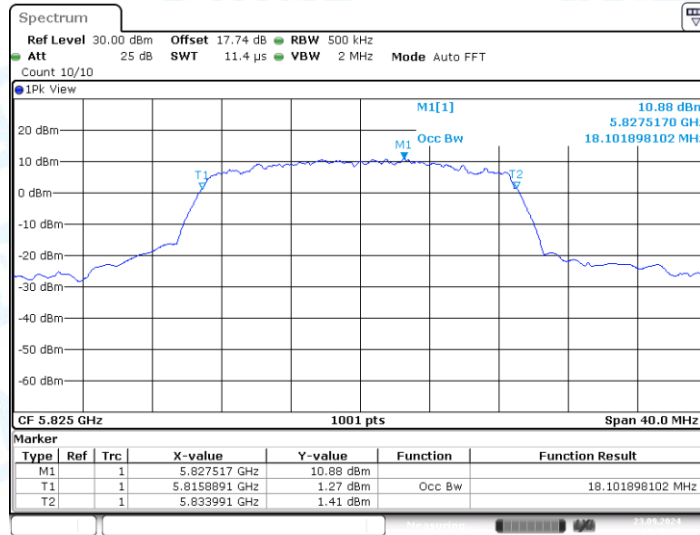
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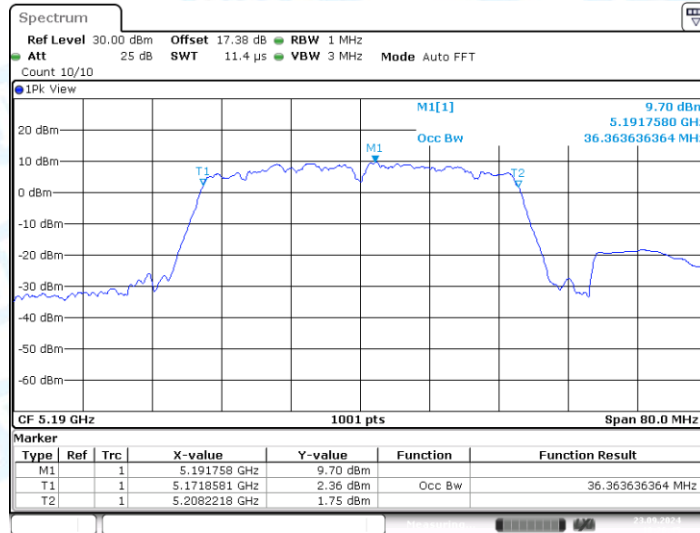
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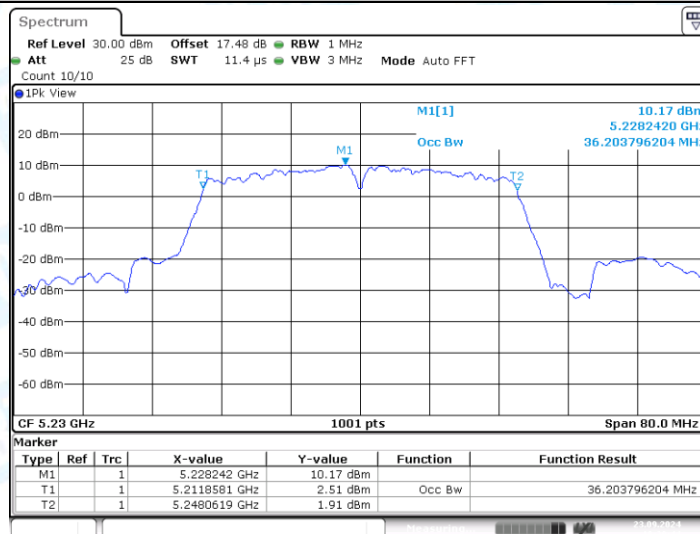
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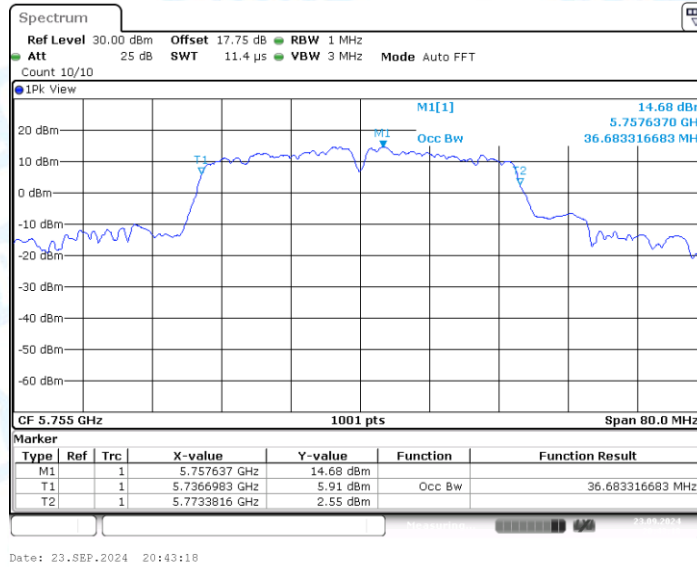
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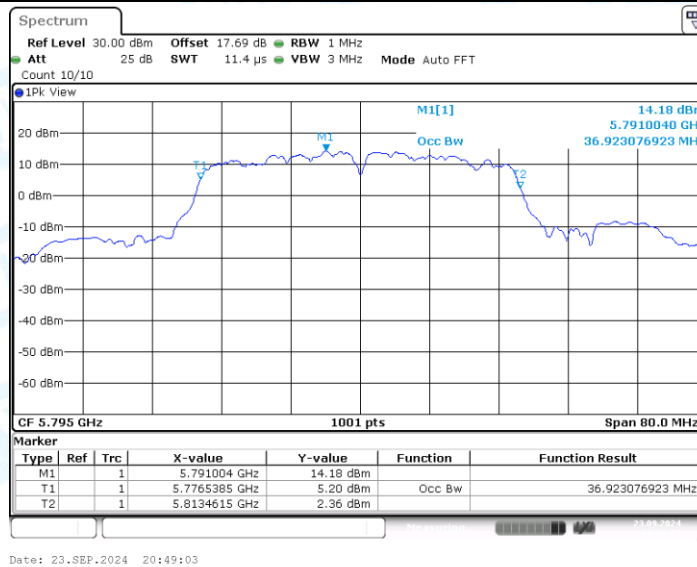


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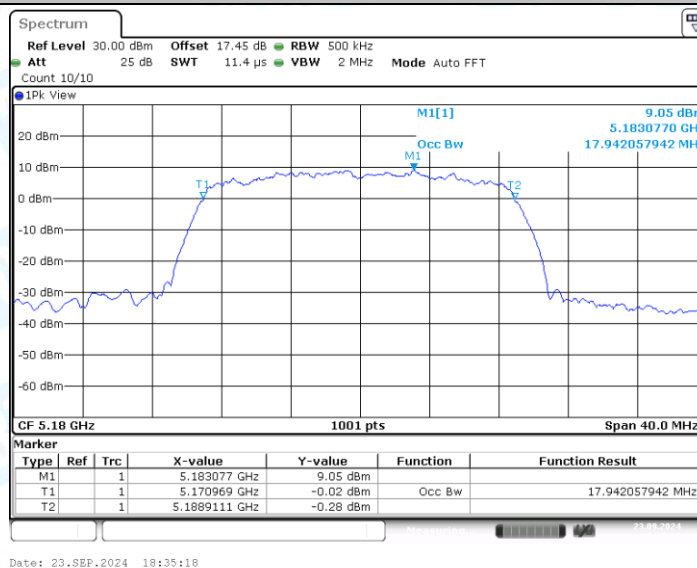
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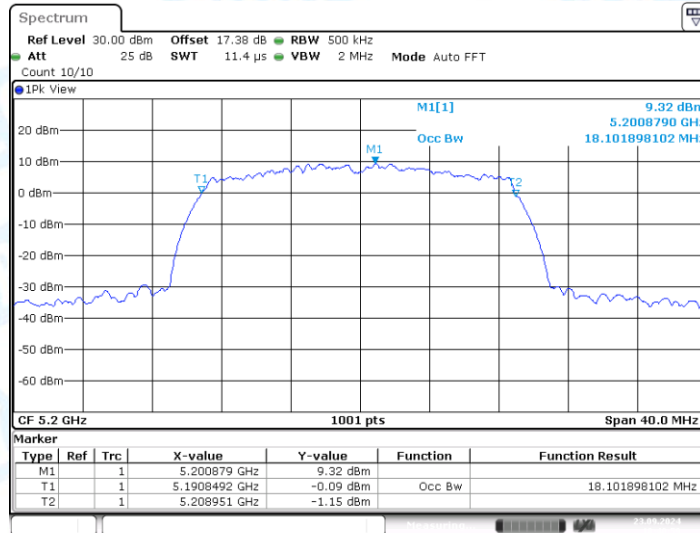
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180

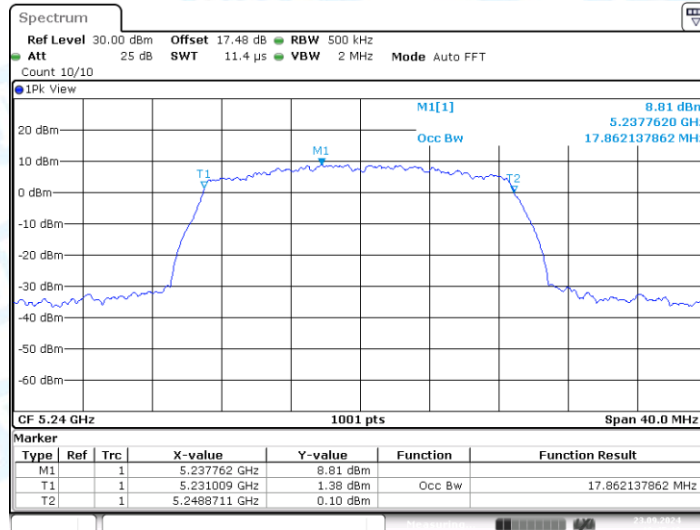


11AC20SISO_Ant1_5200



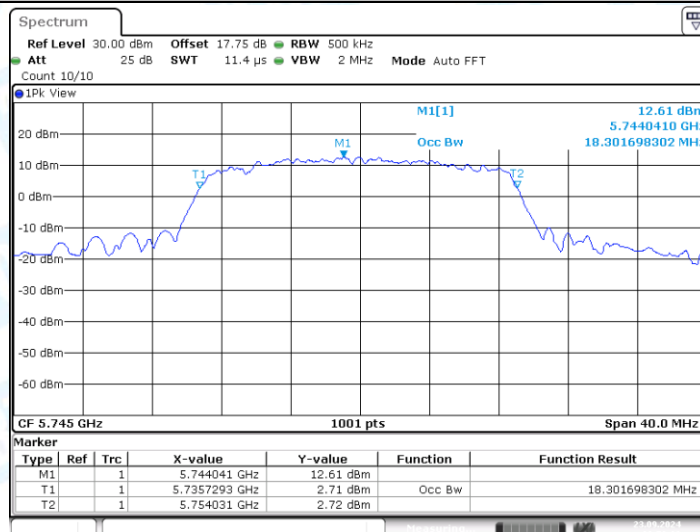
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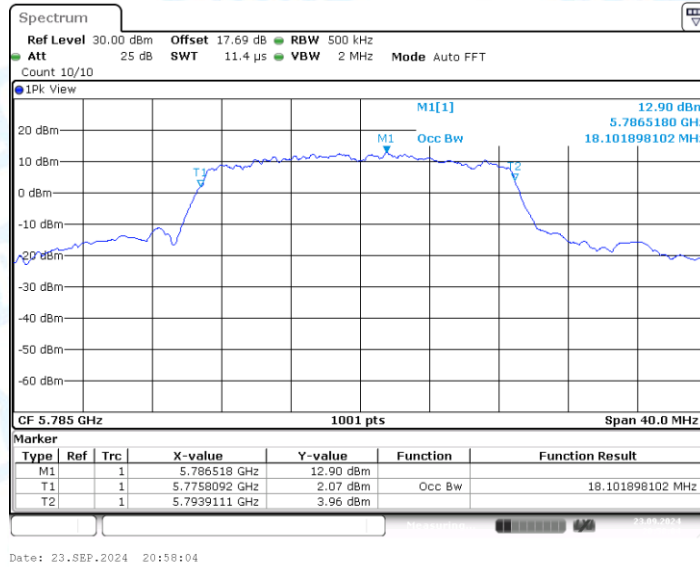
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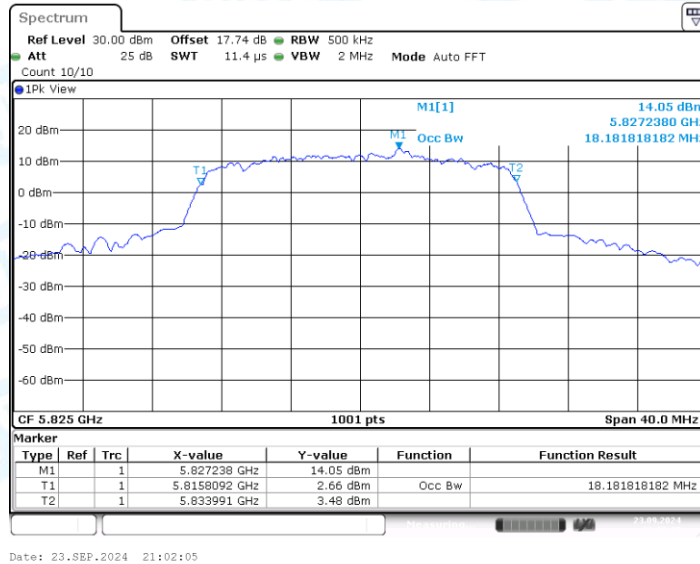


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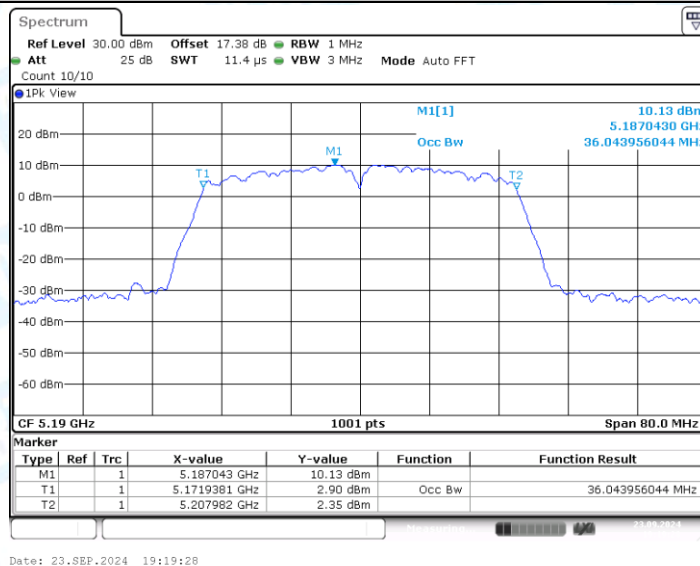
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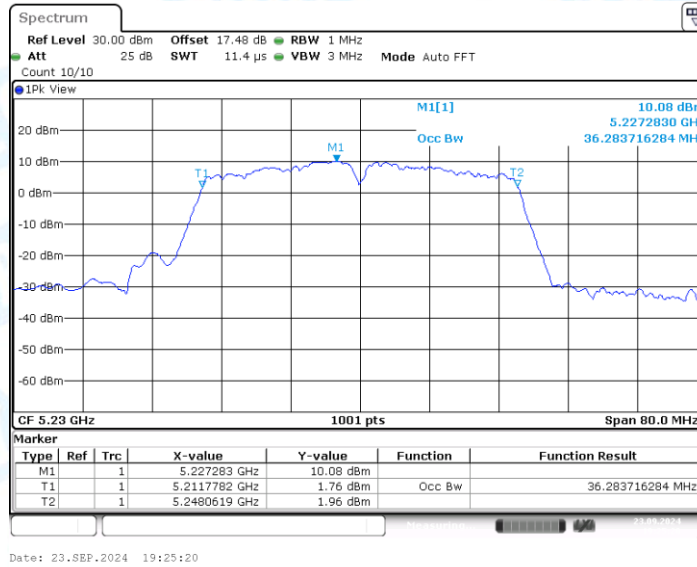
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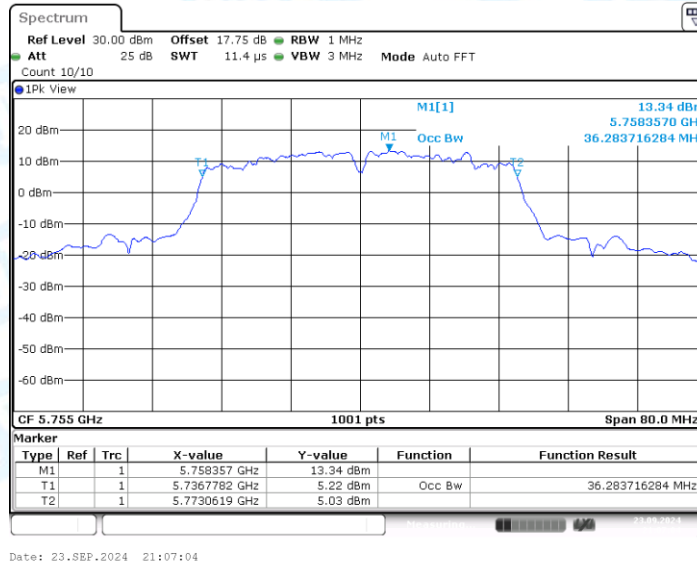
11AC40SISO_Ant1_5190



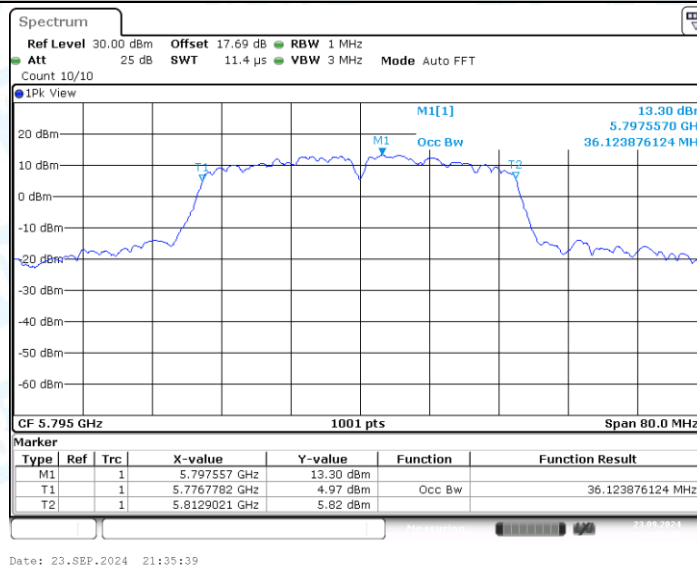
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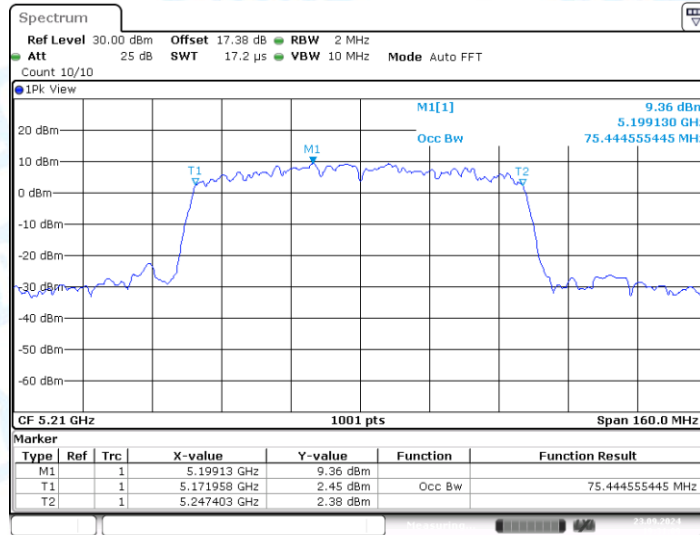
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

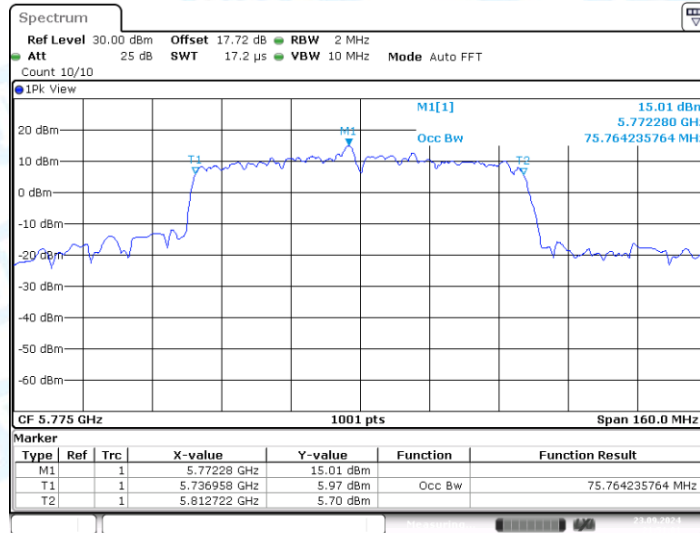


11AC80SISO_Ant1_5210



Date: 23.SEP.2024 19:31:09

11AC80SISO_Ant1_5775



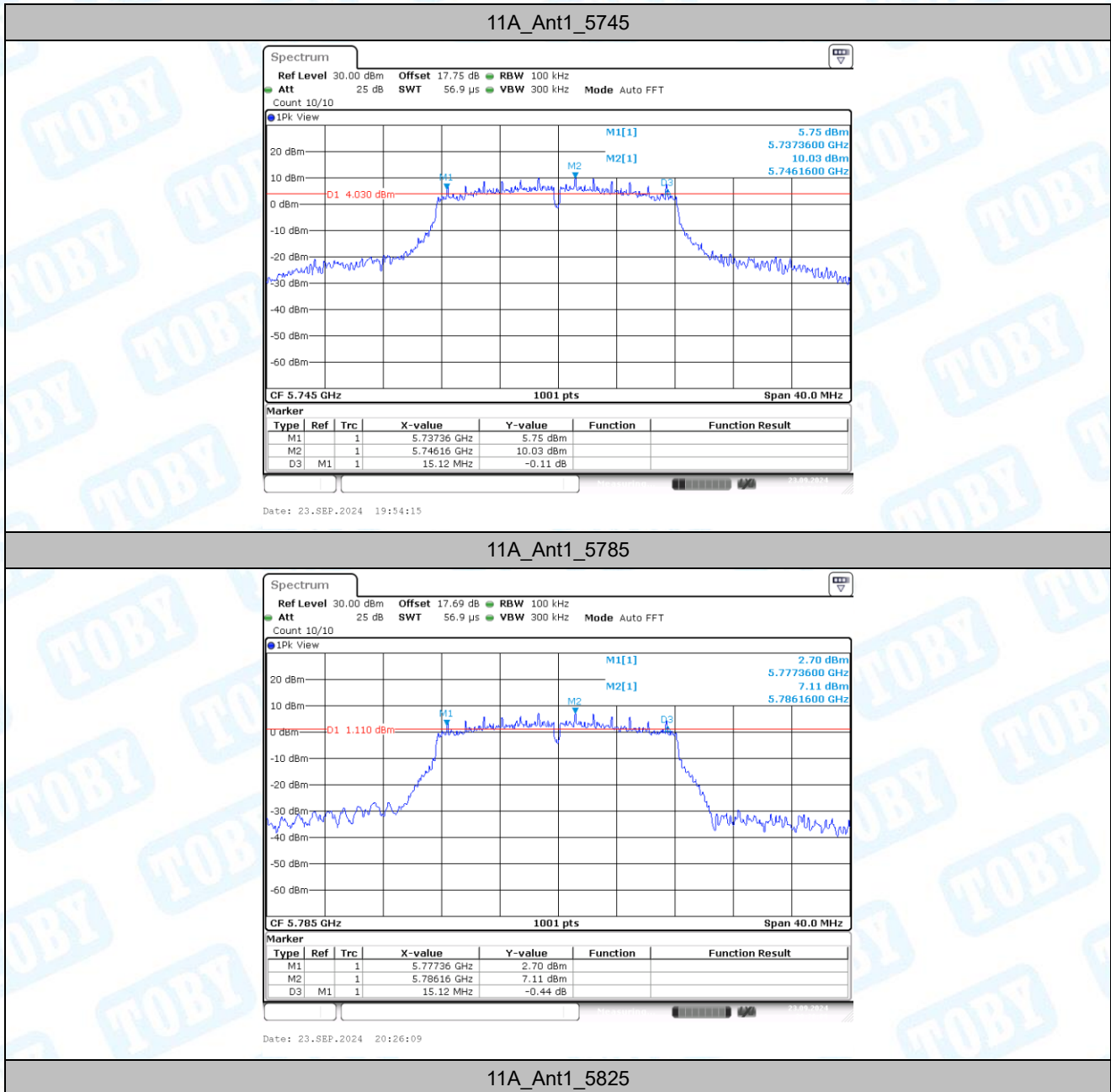
Date: 23.SEP.2024 21:51:01

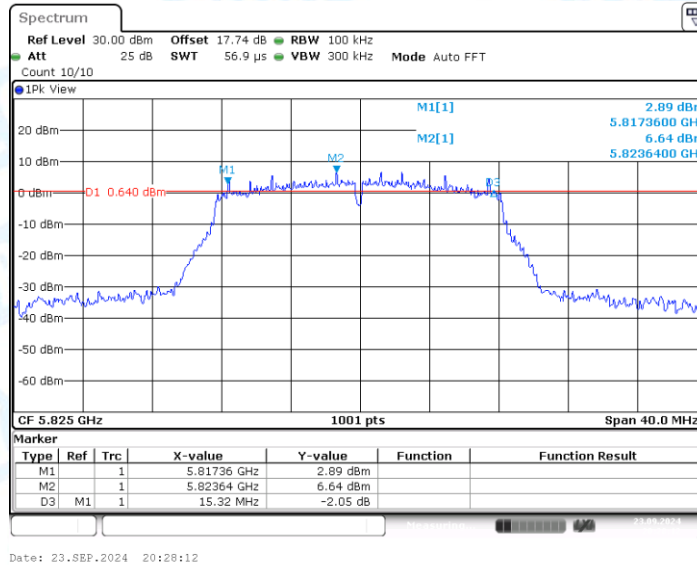
3. Min emission bandwidth

3.1. Test Result

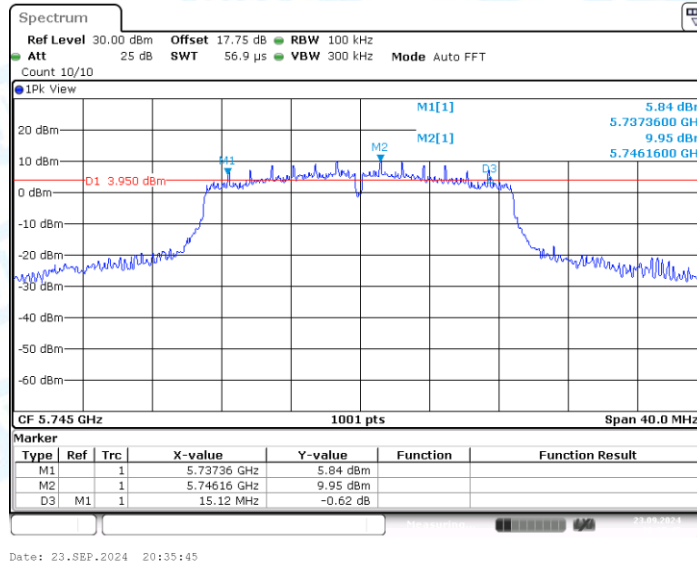
TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.12	5737.36	5752.48	0.5	PASS
		5785	15.12	5777.36	5792.48	0.5	PASS
		5825	15.32	5817.36	5832.68	0.5	PASS
11N20SISO	Ant1	5745	15.12	5737.36	5752.48	0.5	PASS
		5785	15.12	5777.36	5792.48	0.5	PASS
		5825	15.12	5817.36	5832.48	0.5	PASS
11N40SISO	Ant1	5755	35.04	5737.40	5772.44	0.5	PASS
		5795	33.84	5778.60	5812.44	0.5	PASS
11AC20SISO	Ant1	5745	17.56	5736.12	5753.68	0.5	PASS
		5785	15.12	5777.36	5792.48	0.5	PASS
		5825	16.92	5816.76	5833.68	0.5	PASS
11AC40SISO	Ant1	5755	33.92	5738.60	5772.52	0.5	PASS
		5795	35.12	5777.32	5812.44	0.5	PASS
11AC80SISO	Ant1	5775	75.04	5737.40	5812.44	0.5	PASS

3.2. Test Graphs

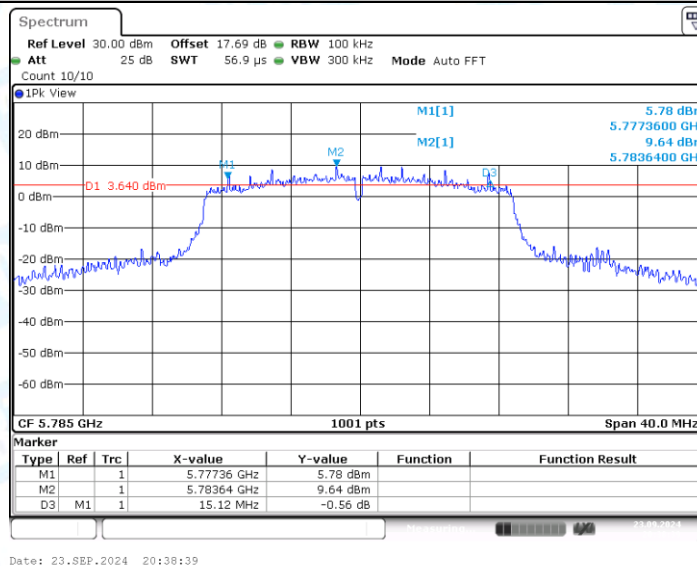




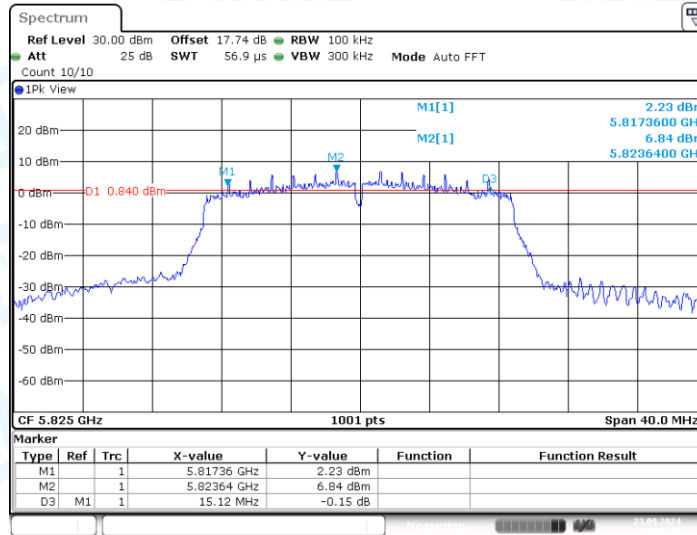
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785

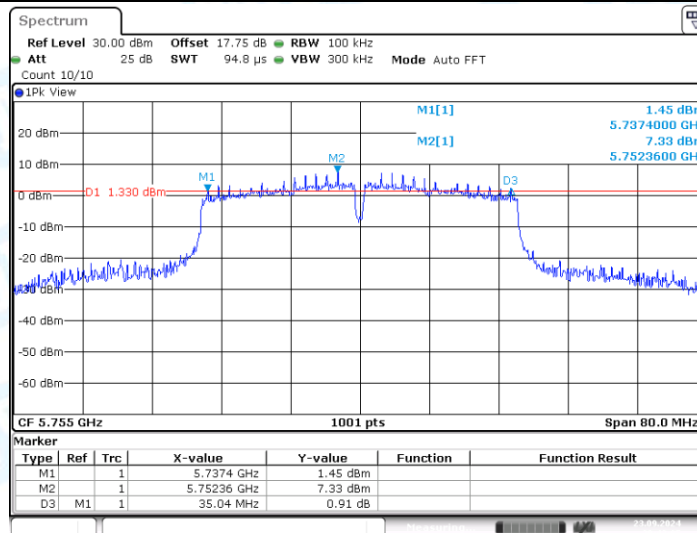


11N20SISO_Ant1_5825



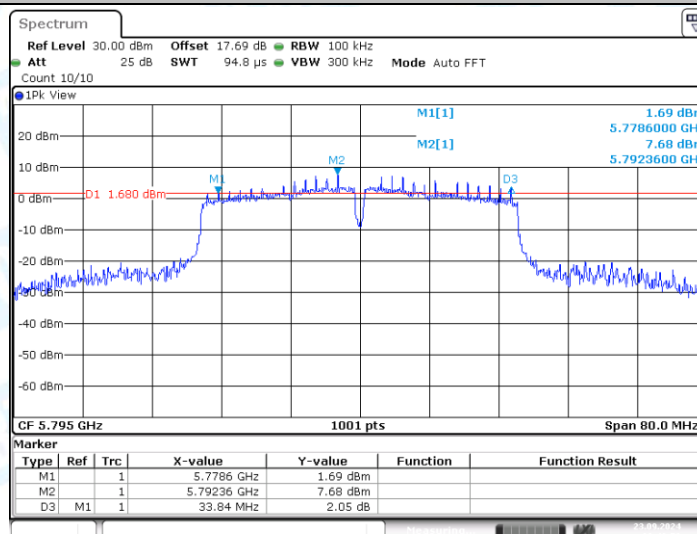
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11N40SISO_Ant1_5755



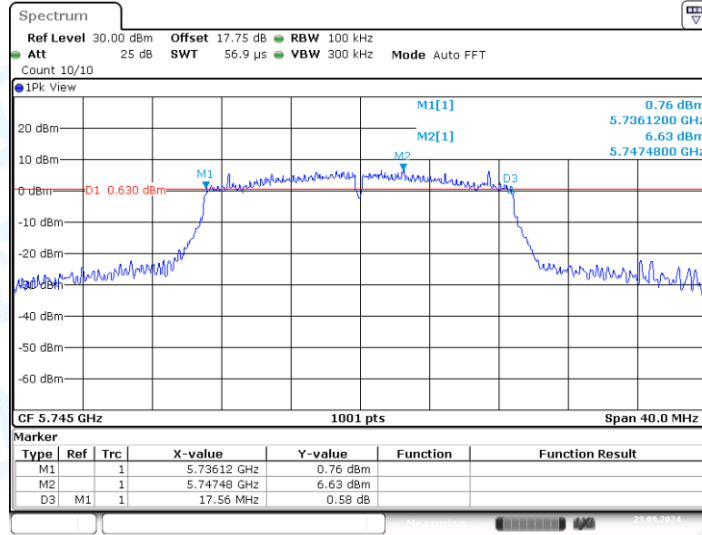
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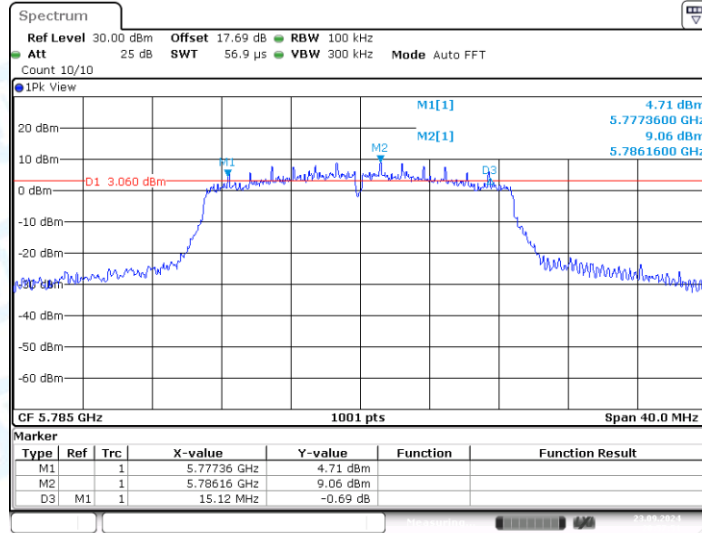
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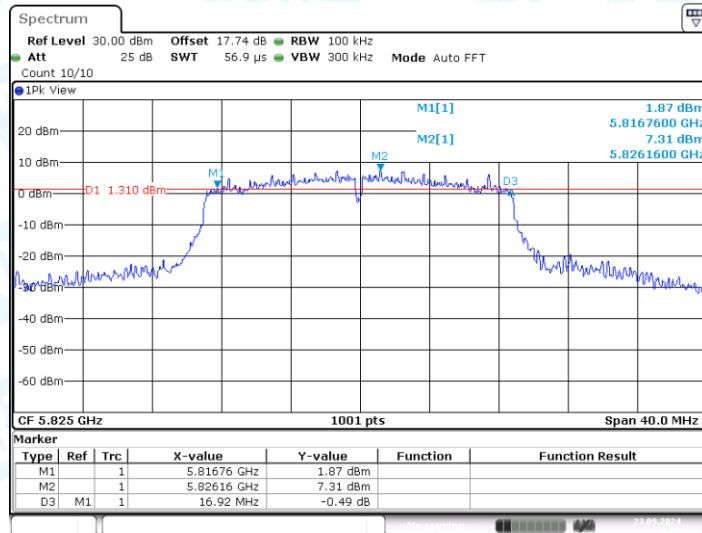
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11AC20SISO_Ant1_5785



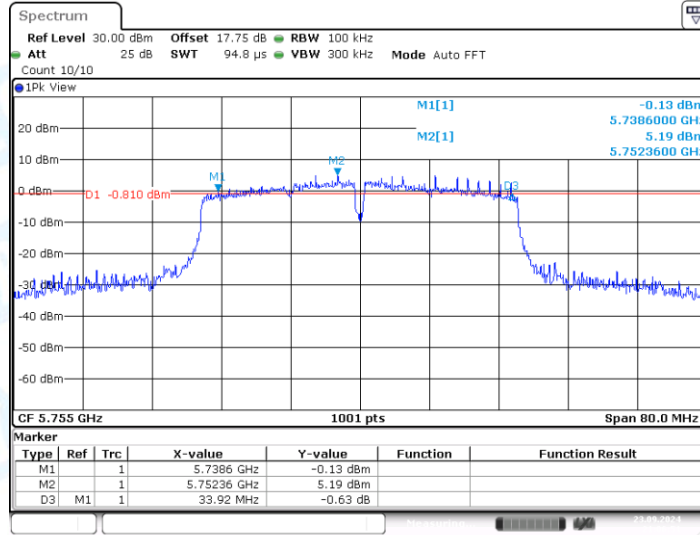
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11AC20SISO_Ant1_5825



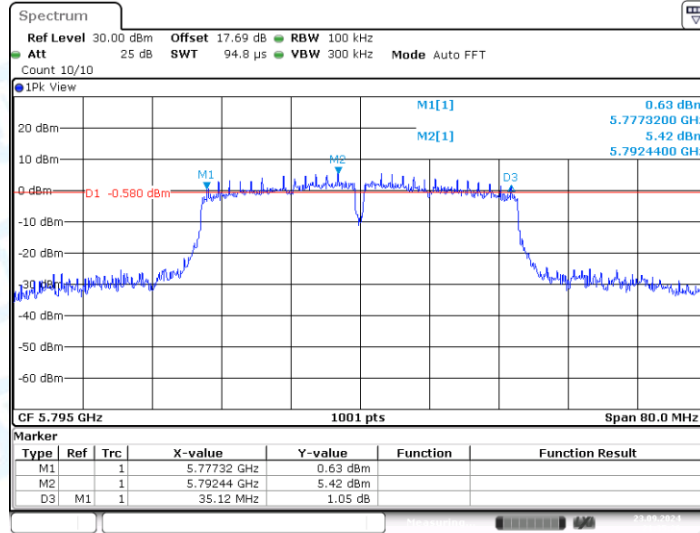
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11AC40SISO_Ant1_5755



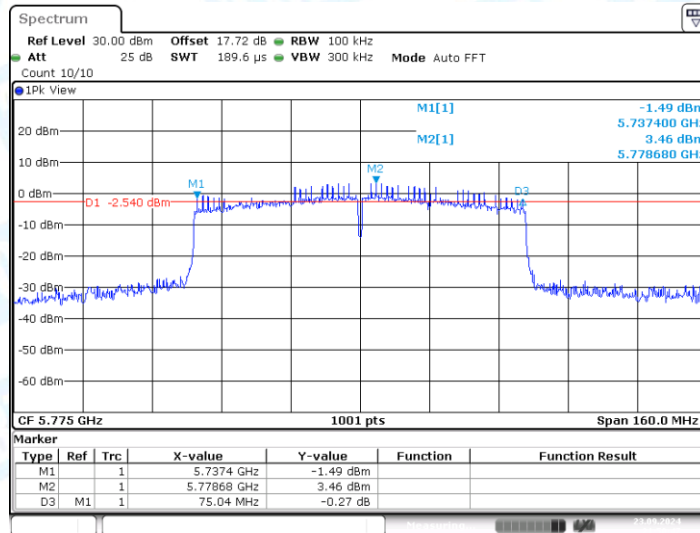
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11AC40SISO_Ant1_5795



Date: 23.SEP.2024 21:35:26

11AC80SISO_Ant1_5775



Date: 23.SEP.2024 21:50:48

4. Maximum conducted output power

4.1. Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	11.36	≤23.98	PASS
		5200	11.37	≤23.98	PASS
		5240	11.48	≤23.98	PASS
		5745	10.26	≤30.00	PASS
		5785	10.37	≤30.00	PASS
		5825	10.44	≤30.00	PASS
11N20SISO	Ant1	5180	11.23	≤23.98	PASS
		5200	11.28	≤23.98	PASS
		5240	11.30	≤23.98	PASS
		5745	10.25	≤30.00	PASS
		5785	10.42	≤30.00	PASS
		5825	10.36	≤30.00	PASS
11N40SISO	Ant1	5190	11.46	≤23.98	PASS
		5230	11.52	≤23.98	PASS
		5755	10.34	≤30.00	PASS
		5795	10.59	≤30.00	PASS
11AC20SISO	Ant1	5180	11.28	≤23.98	PASS
		5200	11.30	≤23.98	PASS
		5240	11.25	≤23.98	PASS
		5745	10.19	≤30.00	PASS
		5785	10.39	≤30.00	PASS
		5825	10.32	≤30.00	PASS
11AC40SISO	Ant1	5190	11.50	≤23.98	PASS
		5230	11.47	≤23.98	PASS
		5755	10.35	≤30.00	PASS
		5795	10.53	≤30.00	PASS
11AC80SISO	Ant1	5210	11.24	≤23.98	PASS
		5775	10.12	≤30.00	PASS

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

5. Maximum power spectral density

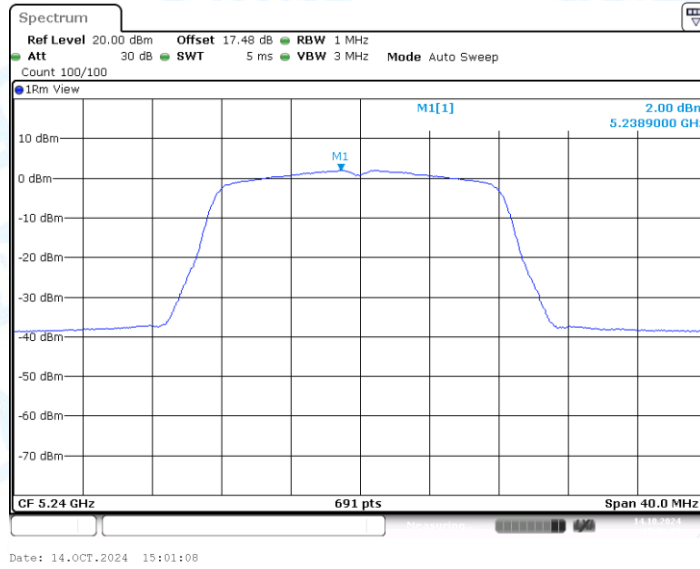
5.1. Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.91	≤11.00	PASS
		5200	2.02	≤11.00	PASS
		5240	2.12	≤11.00	PASS
		5745	-1.84	≤30.00	PASS
		5785	-1.90	≤30.00	PASS
		5825	-1.84	≤30.00	PASS
11N20SISO	Ant1	5180	1.67	≤11.00	PASS
		5200	1.69	≤11.00	PASS
		5240	1.75	≤11.00	PASS
		5745	-2.08	≤30.00	PASS
		5785	-2.27	≤30.00	PASS
		5825	-2.12	≤30.00	PASS
11N40SISO	Ant1	5190	-0.99	≤11.00	PASS
		5230	-1.14	≤11.00	PASS
		5755	-4.93	≤30.00	PASS
		5795	-4.97	≤30.00	PASS
11AC20SISO	Ant1	5180	1.68	≤11.00	PASS
		5200	1.63	≤11.00	PASS
		5240	1.69	≤11.00	PASS
		5745	-2.28	≤30.00	PASS
		5785	-2.18	≤30.00	PASS
		5825	-2.29	≤30.00	PASS
11AC40SISO	Ant1	5190	-0.93	≤11.00	PASS
		5230	-1.03	≤11.00	PASS
		5755	-5.09	≤30.00	PASS
		5795	-5.16	≤30.00	PASS
11AC80SISO	Ant1	5210	-4.33	≤11.00	PASS
		5775	-8.38	≤30.00	PASS

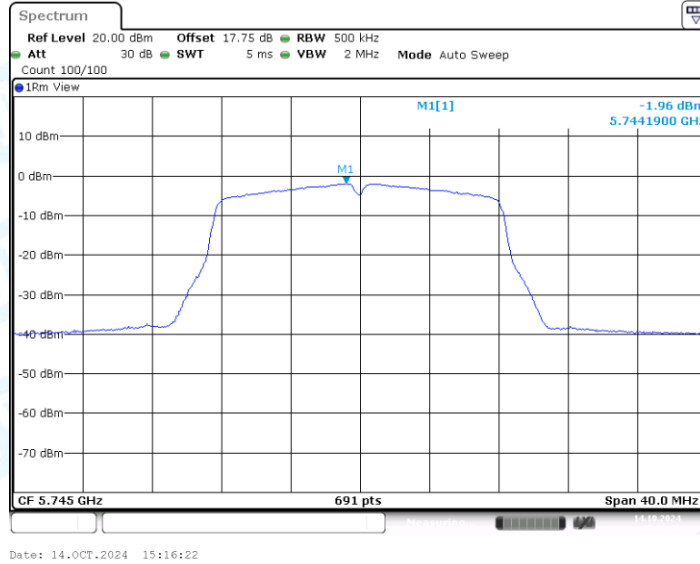
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

5.2. Test Graphs

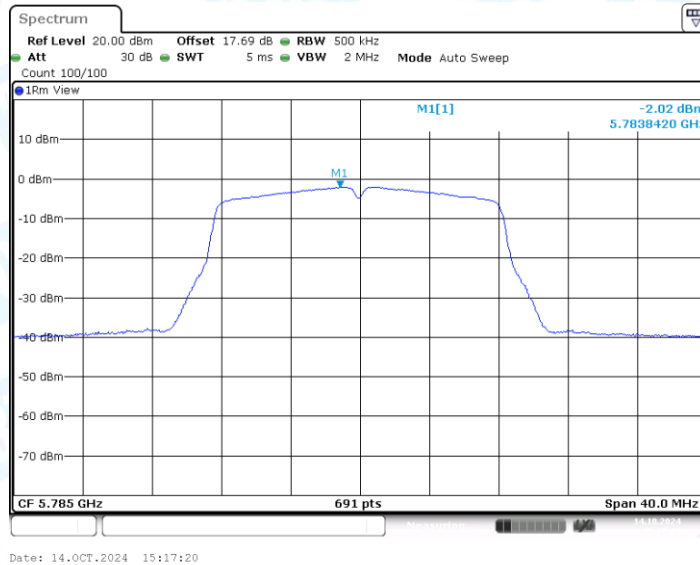




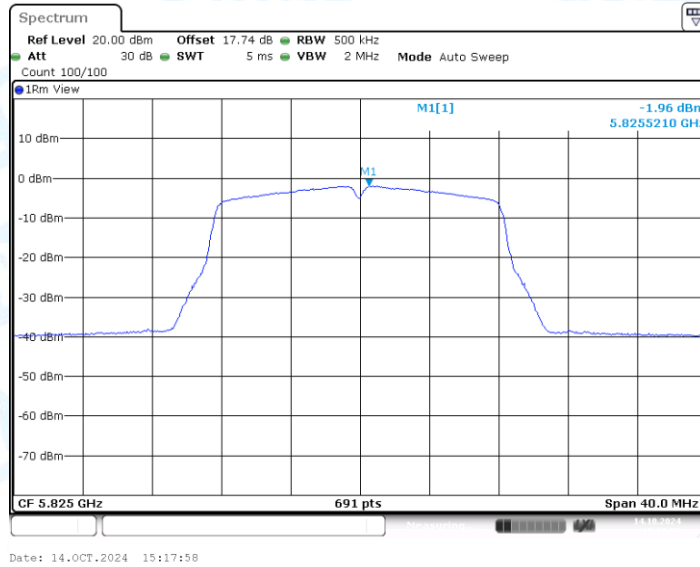
11A_Ant1_5745



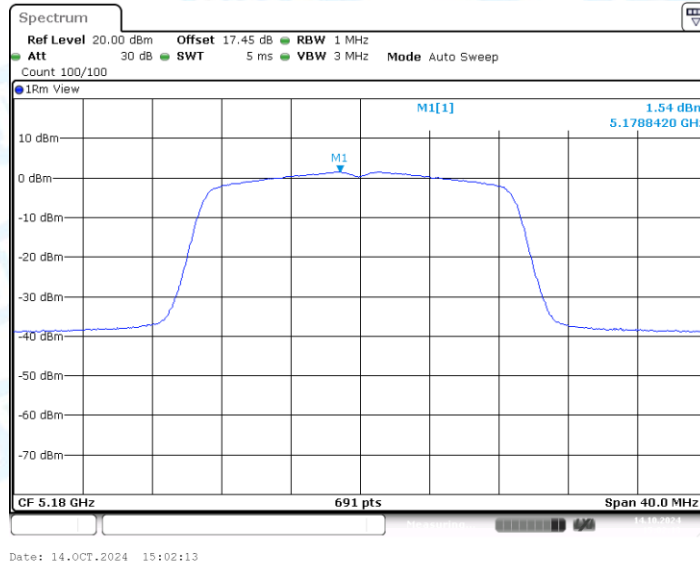
11A_Ant1_5785



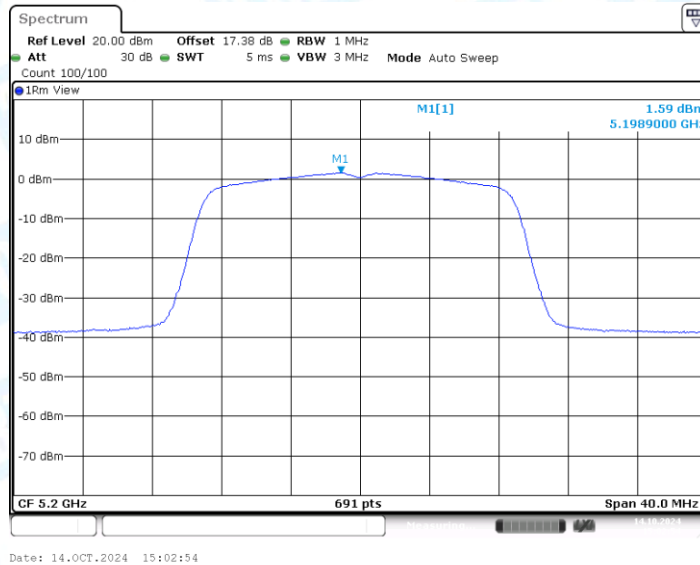
11A_Ant1_5825



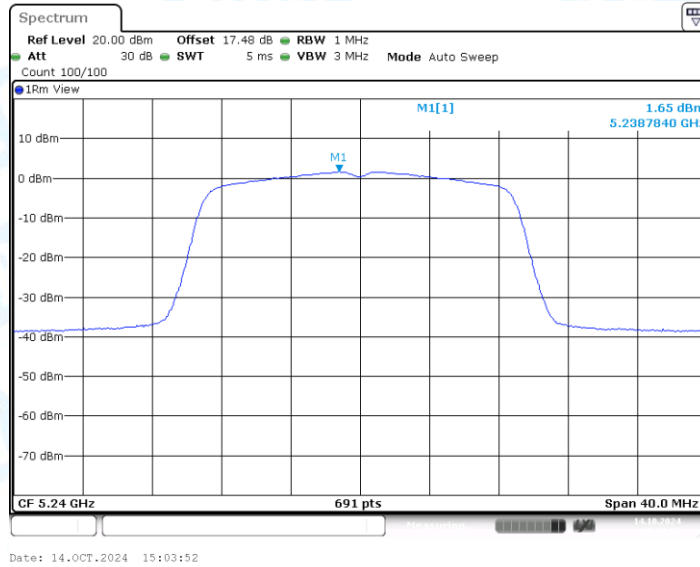
11N20SISO_Ant1_5180



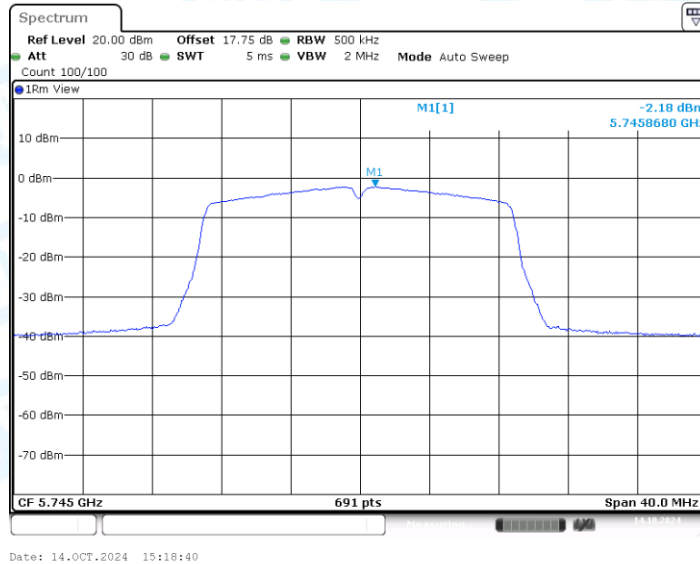
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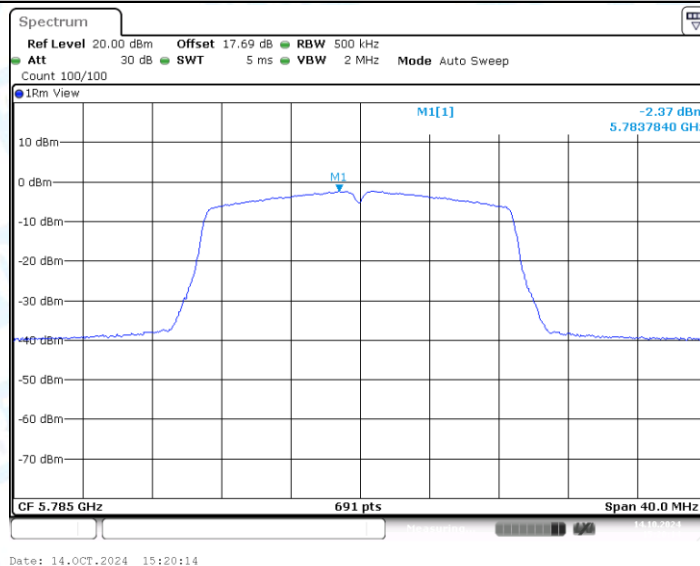
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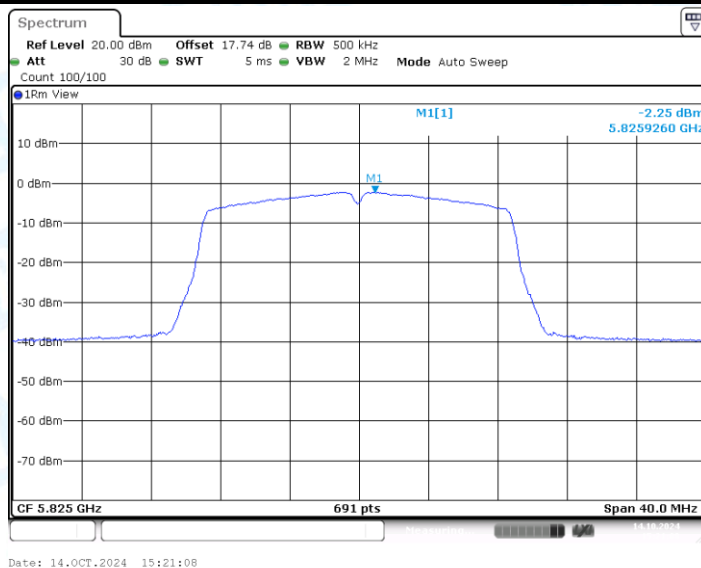
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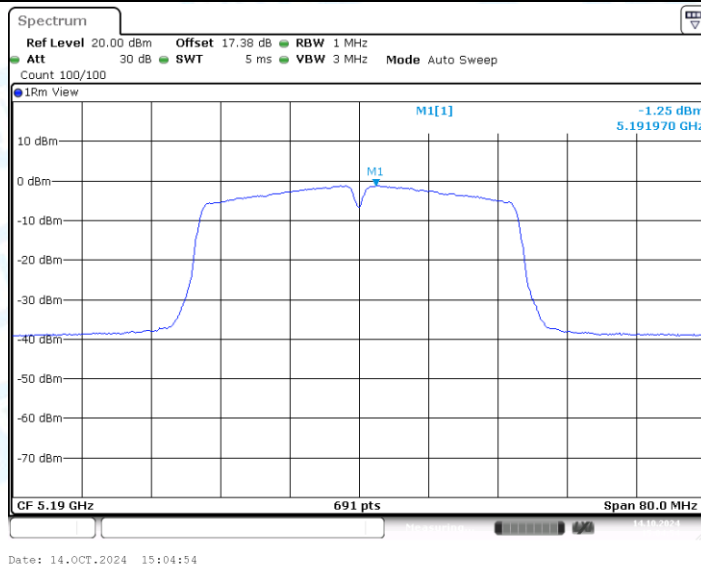
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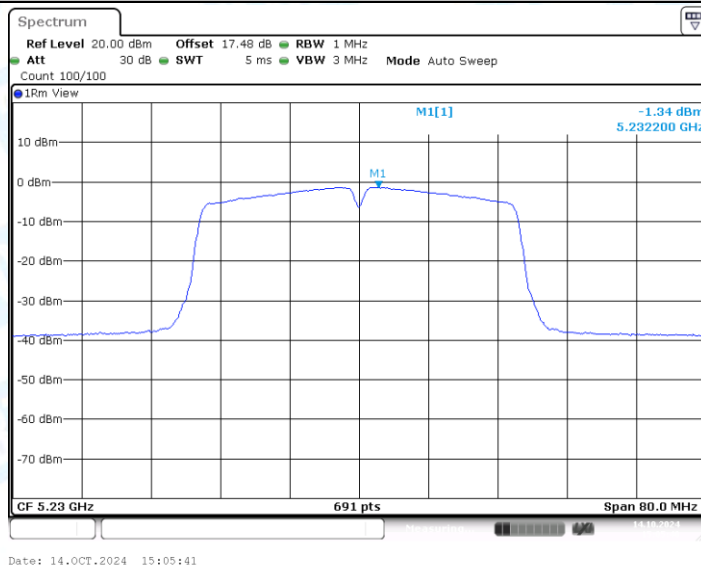
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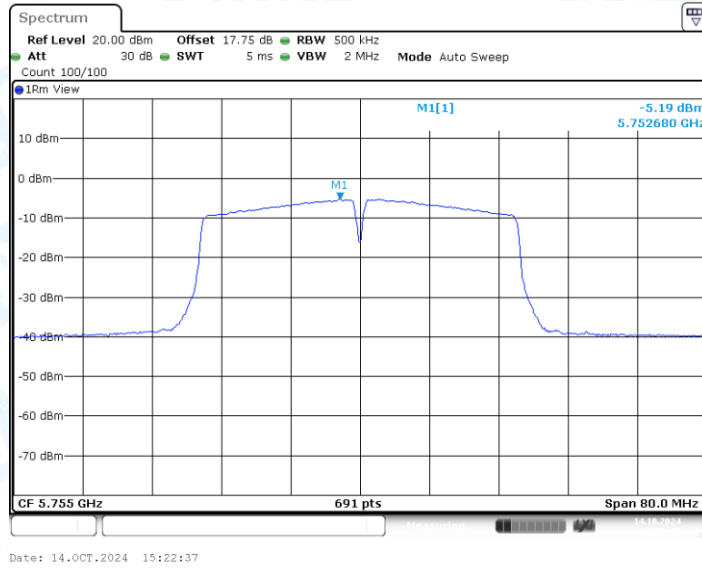
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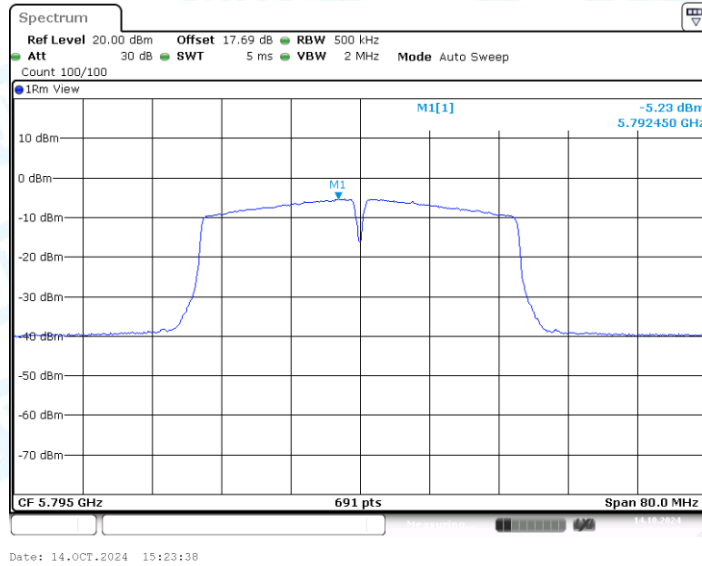
11N40SISO_Ant1_5230



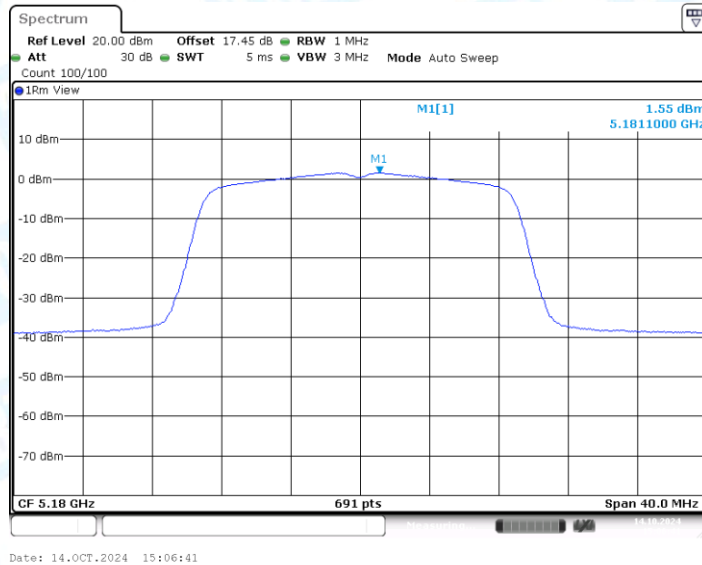
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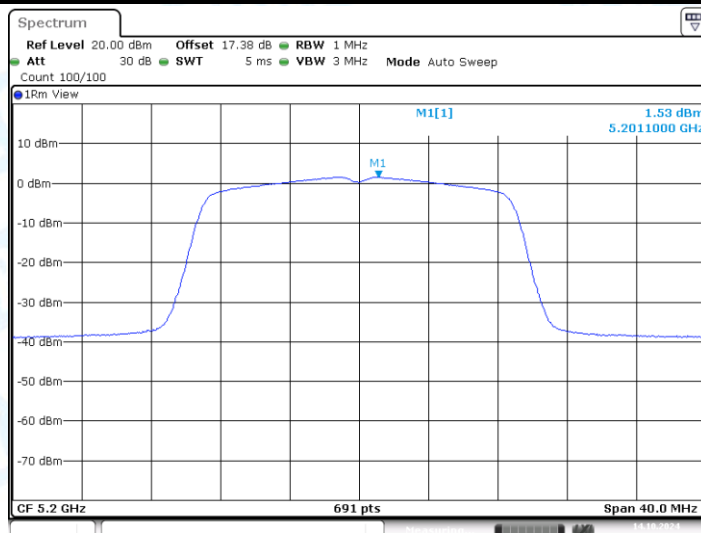
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11AC20SISO_Ant1_5180

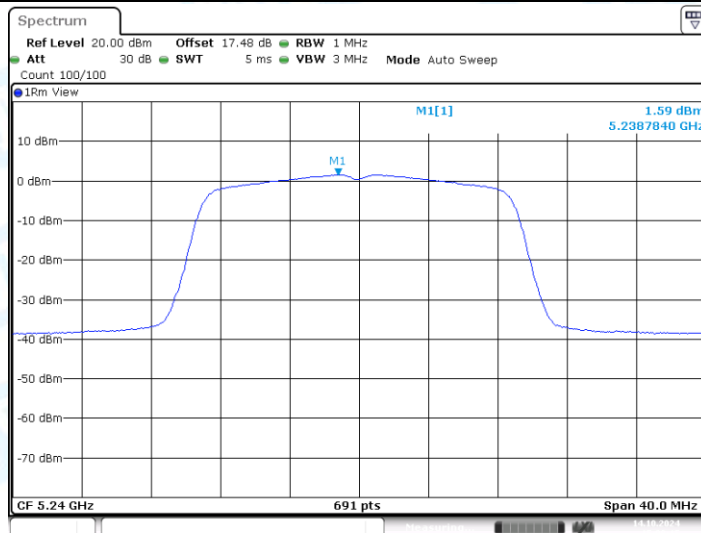


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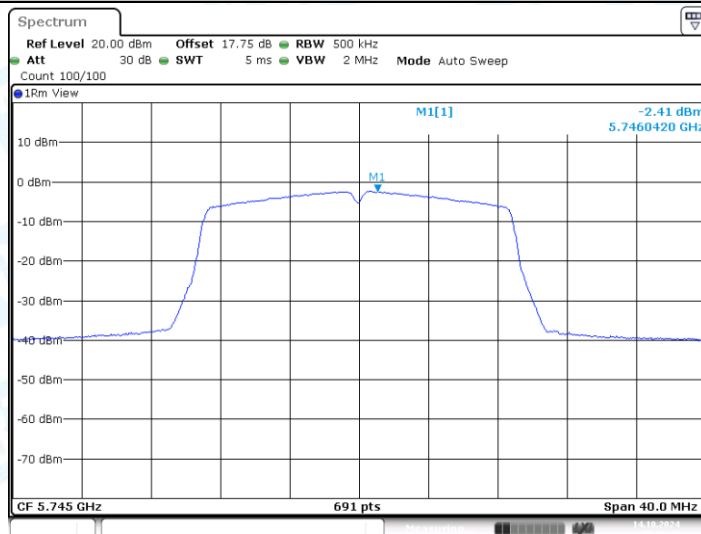
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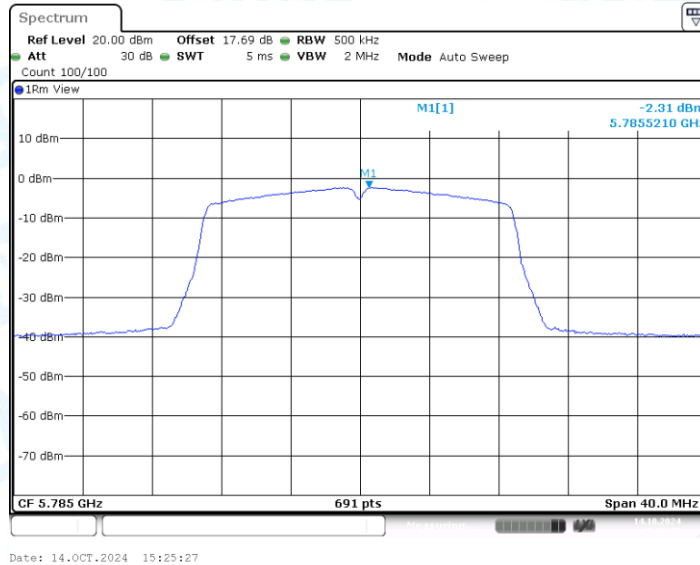
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11AC20SISO_Ant1_5745

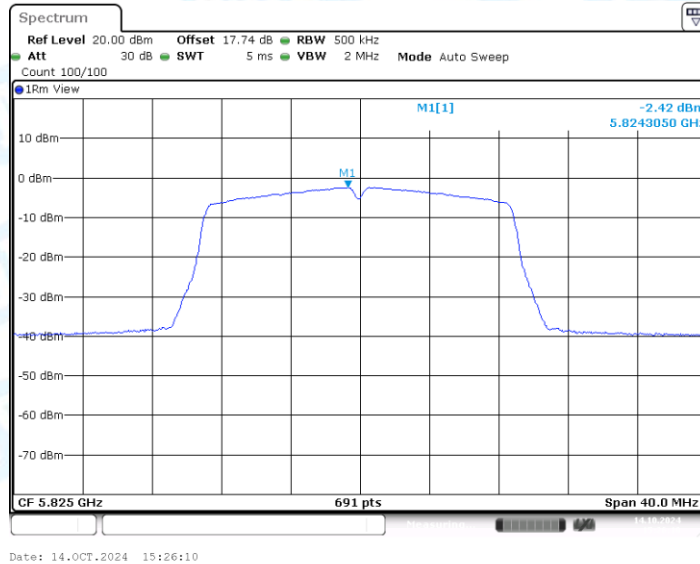


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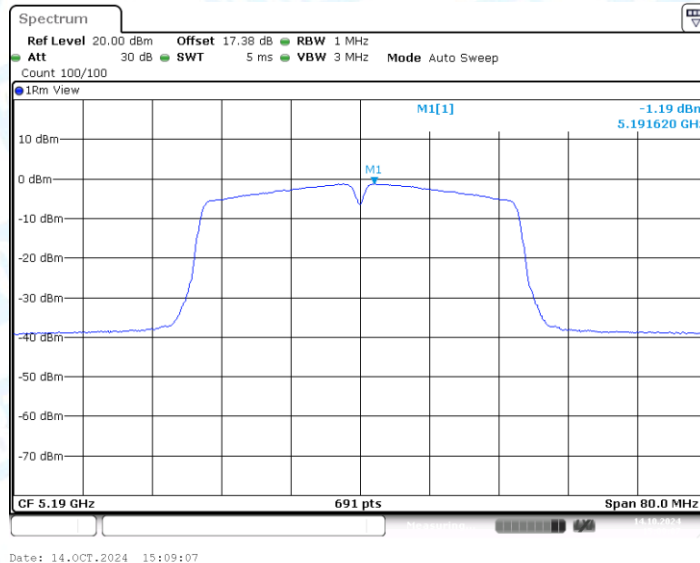
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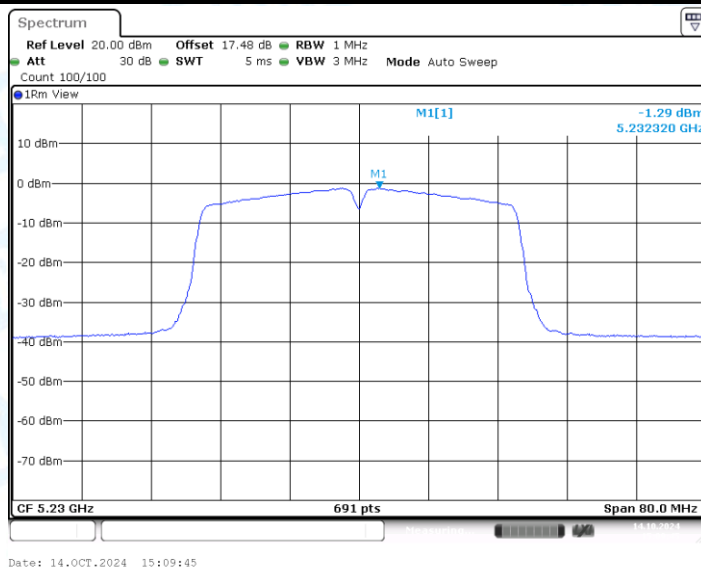
11AC20SISO_Ant1_5825



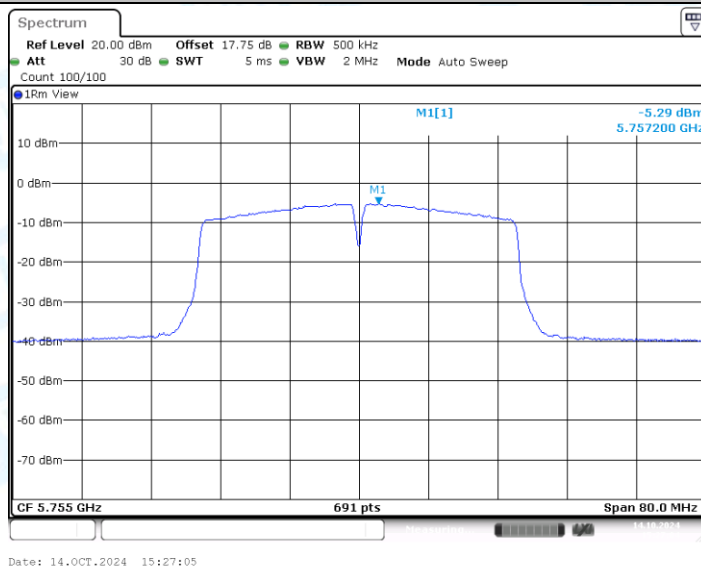
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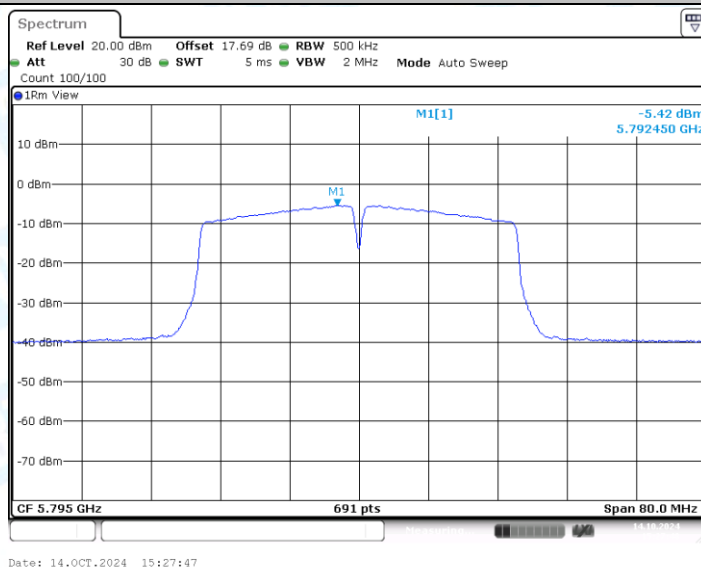
11AC40SISO_Ant1_5230



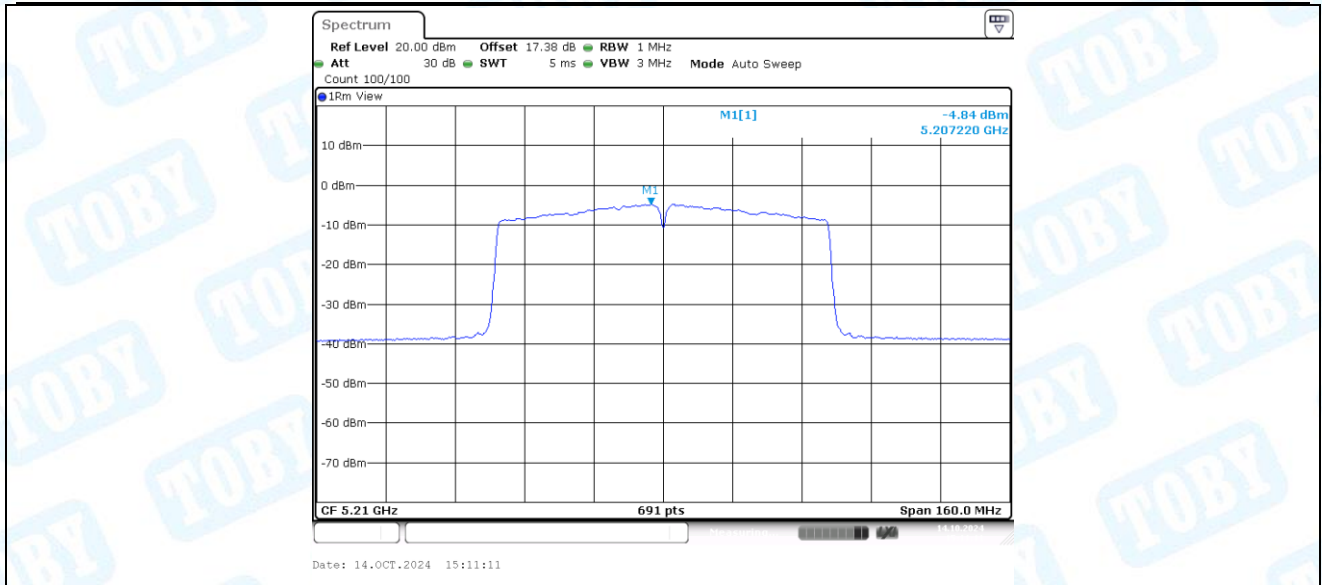
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775

