

FCC Appendix RF Test Data for 5GWIFI

FCC ID : 2BV6U-SJ1

Company : Zhejiang Shengjiang Intelligent Technology Co., Ltd.

EUT : Smart Camera

Model Number : SJ1-A

Report No. : CTA26051900503

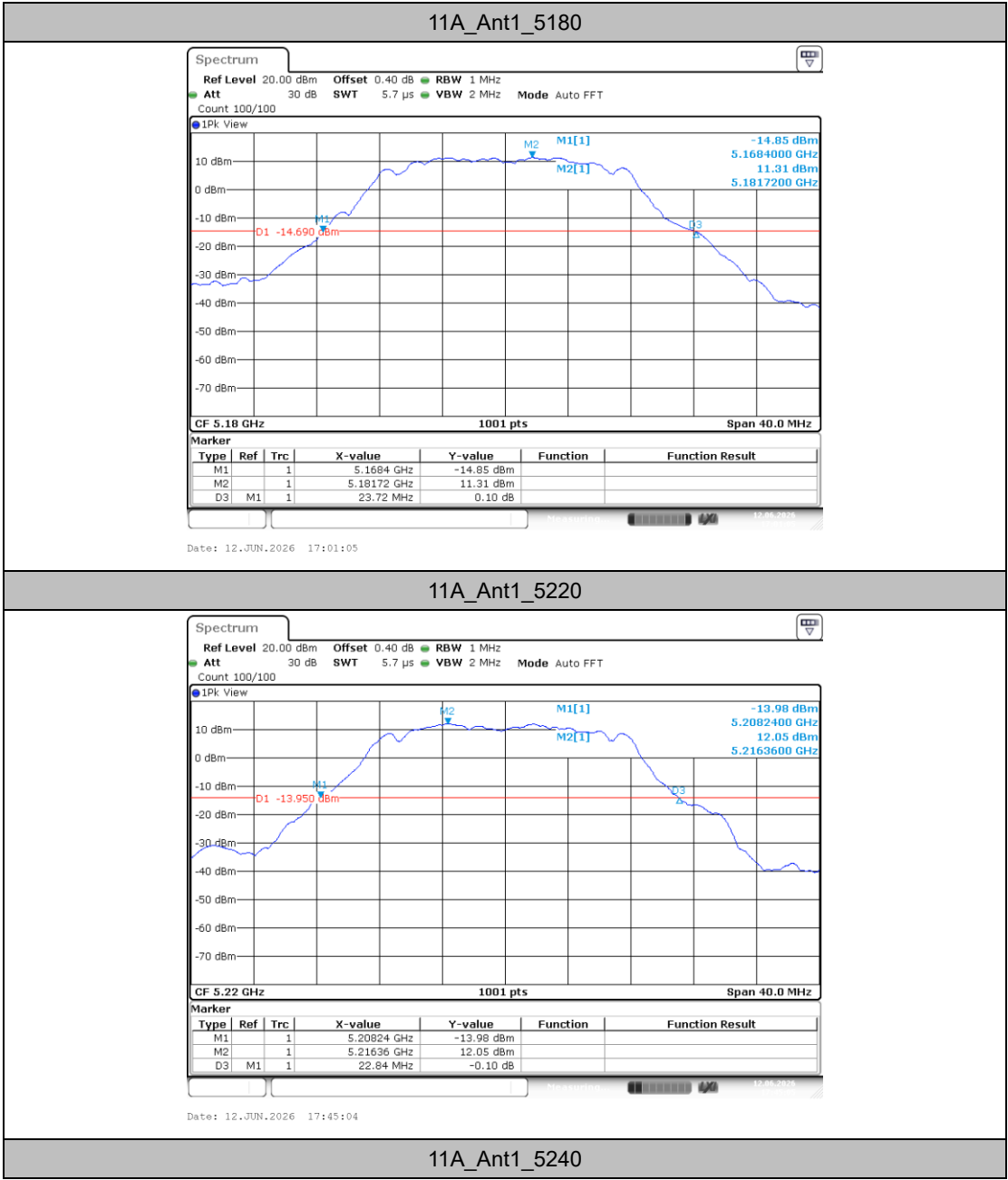
Reviewed By : Eric Wang

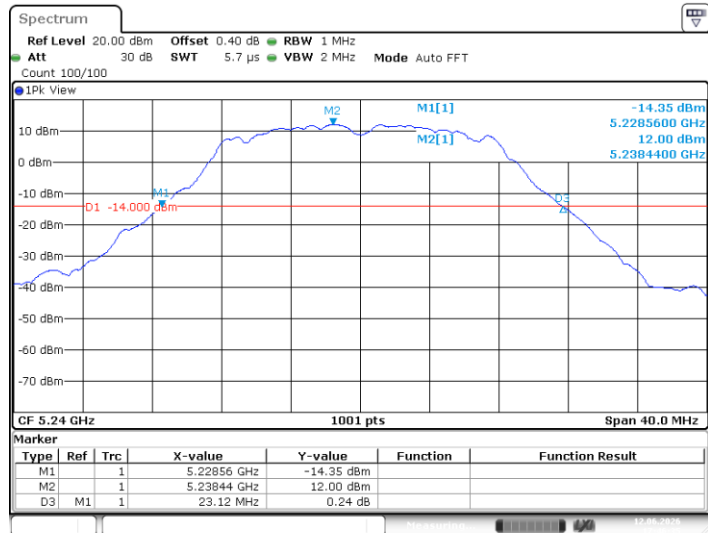
Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	23.72	5168.40	5192.12	---	---
		5220	22.84	5208.24	5231.08	---	---
		5240	23.12	5228.56	5251.68	---	---
		5745	24.16	5732.40	5756.56	---	---
		5785	24.76	5772.24	5797.00	---	---
		5825	23.76	5812.92	5836.68	---	---
11N20SISO	Ant1	5180	23.56	5168.00	5191.56	---	---
		5220	24.08	5207.60	5231.68	---	---
		5240	22.92	5228.60	5251.52	---	---
		5745	23.60	5732.96	5756.56	---	---
		5785	24.92	5772.48	5797.40	---	---
		5825	24.68	5812.64	5837.32	---	---
11N40SISO	Ant1	5190	44.16	5167.92	5212.08	---	---
		5230	43.60	5208.24	5251.84	---	---
		5755	45.84	5732.36	5778.20	---	---
		5795	45.92	5772.20	5818.12	---	---
11AC20SISO	Ant1	5180	23.24	5168.20	5191.44	---	---
		5220	22.76	5208.60	5231.36	---	---
		5240	23.84	5228.16	5252.00	---	---
		5745	25.40	5732.76	5758.16	---	---
		5785	24.36	5772.68	5797.04	---	---
		5825	24.68	5812.16	5836.84	---	---
11AC40SISO	Ant1	5190	44.32	5167.76	5212.08	---	---
		5230	44.56	5207.52	5252.08	---	---
		5755	45.92	5732.12	5778.04	---	---
		5795	45.60	5772.36	5817.96	---	---

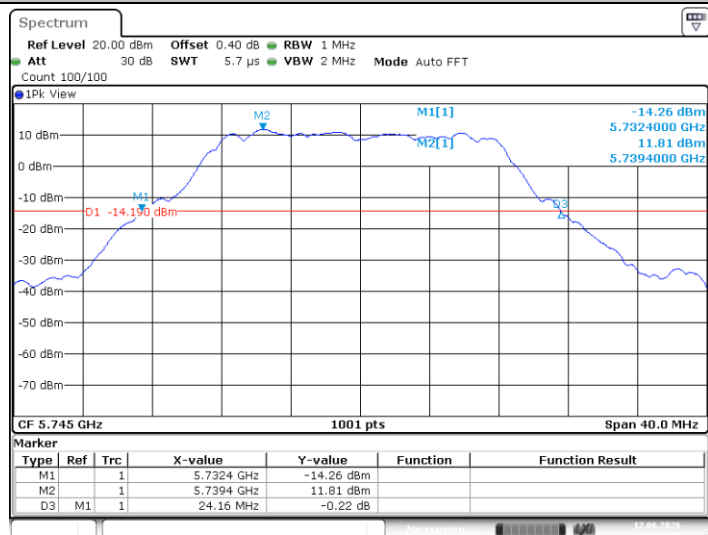
Test Graphs





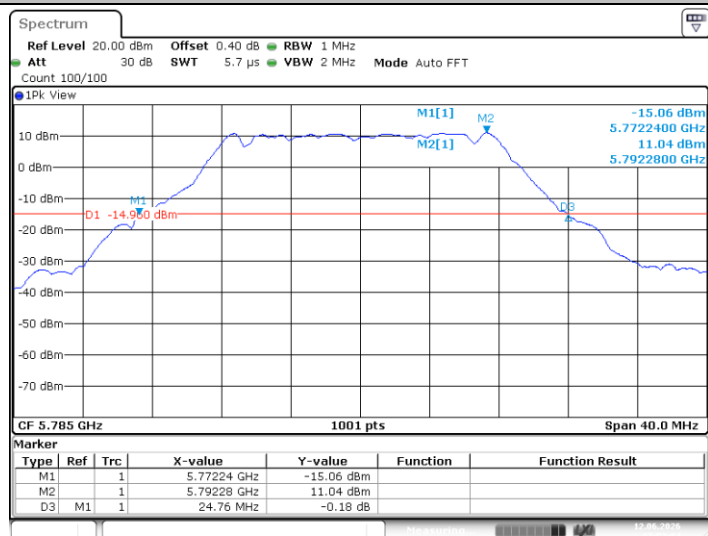
Date: 12.JUN.2026 17:46:35

11A_Ant1_5745



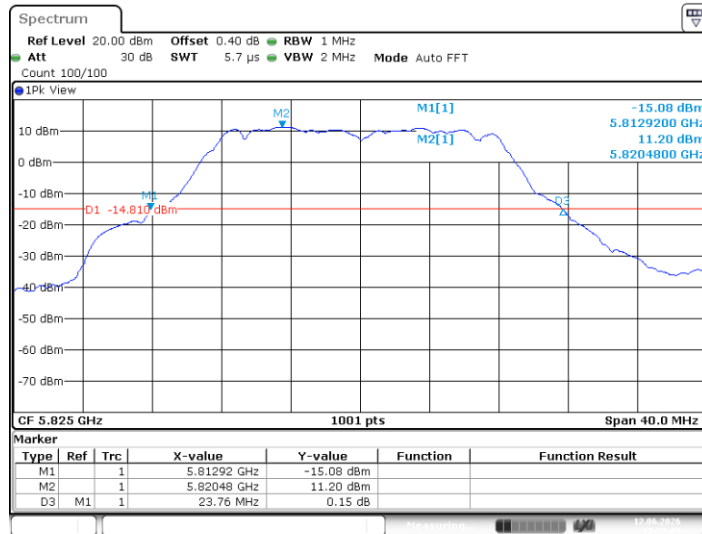
Date: 12.JUN.2026 17:49:30

11A_Ant1_5785

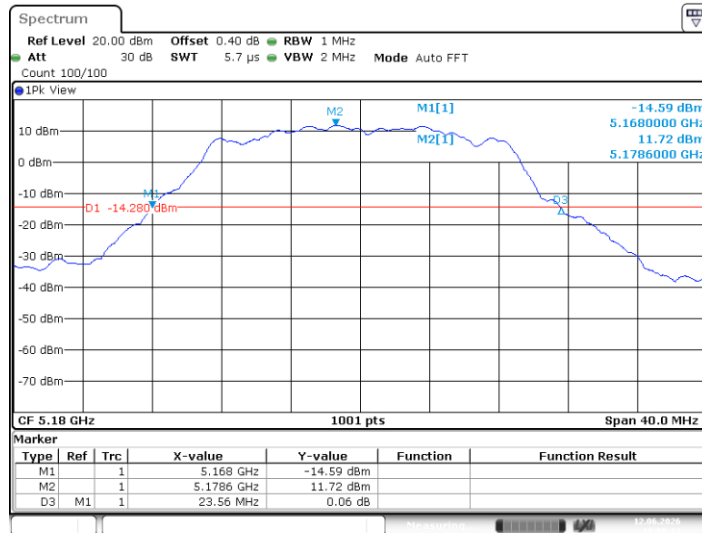


Date: 12.JUN.2026 17:53:04

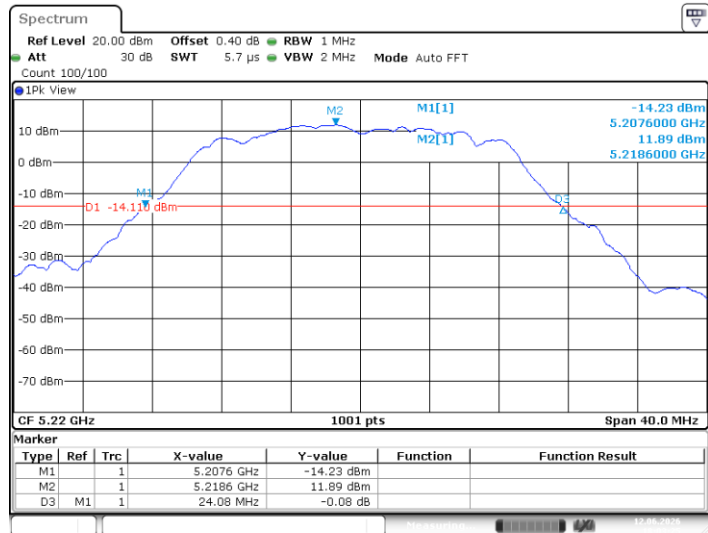
11A_Ant1_5825



11N20SISO_Ant1_5180

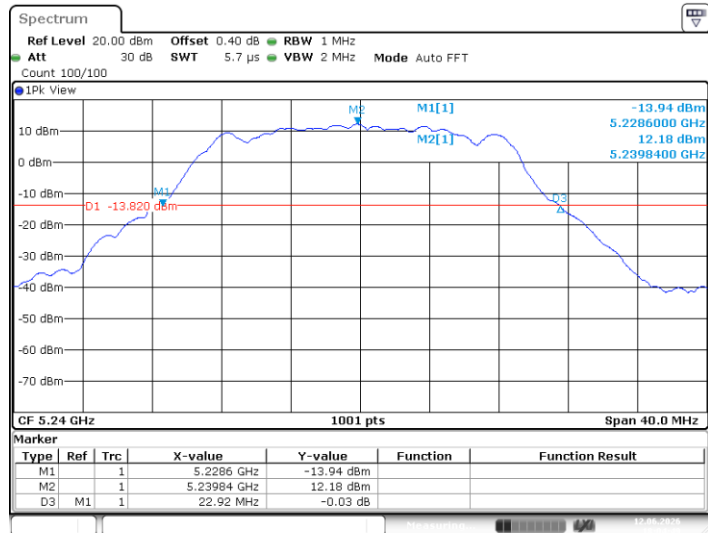


11N20SISO_Ant1_5220



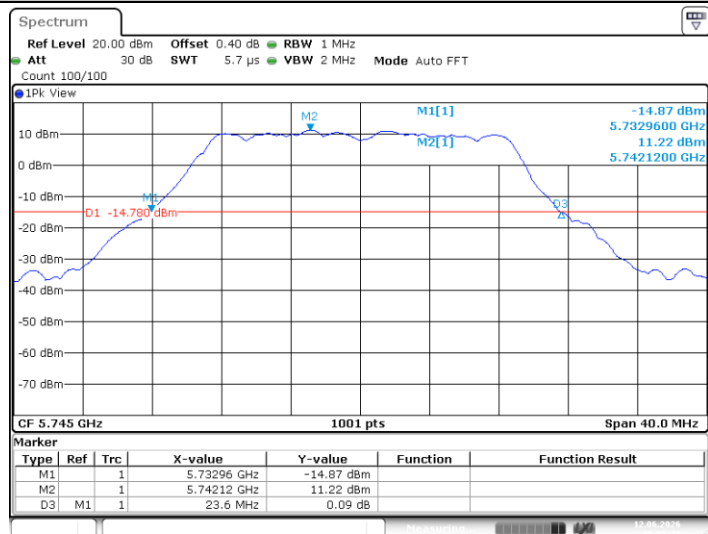
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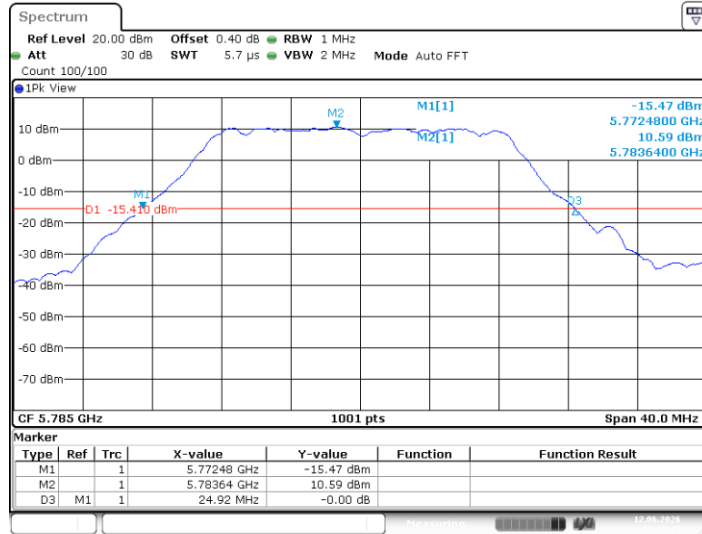
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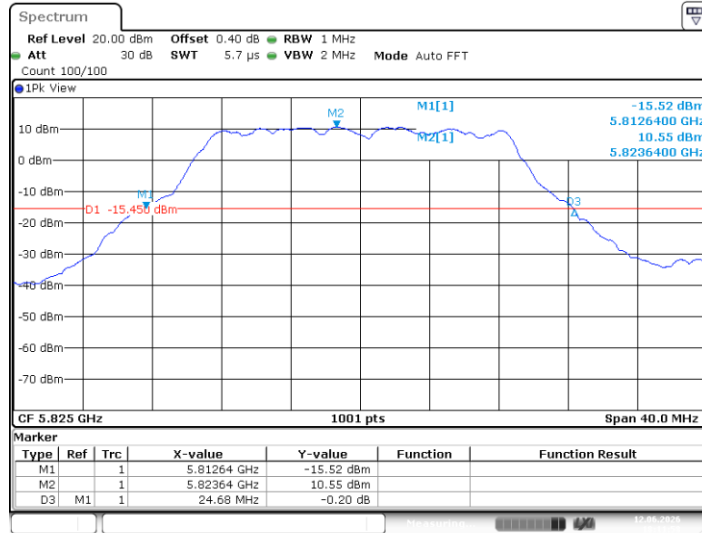


Date: 12.JUN.2026 18:07:38

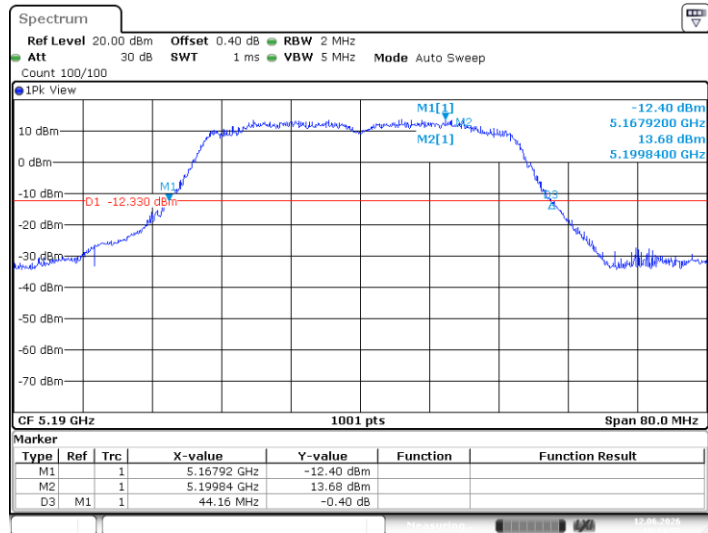
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825

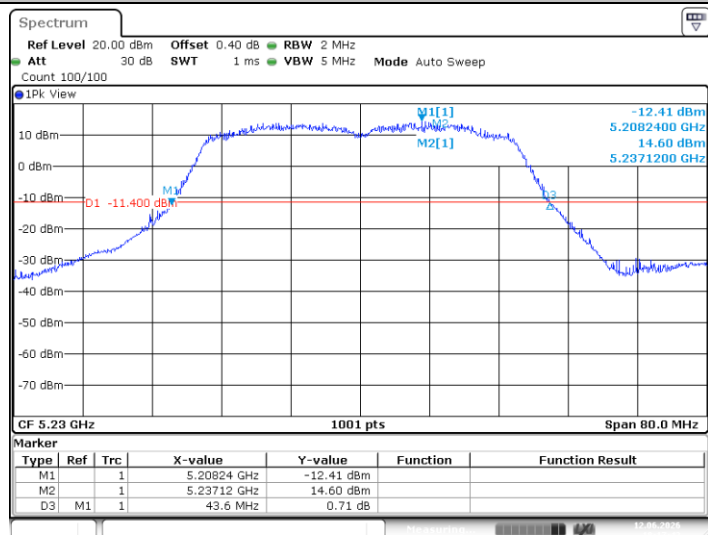


11N40SISO_Ant1_5190



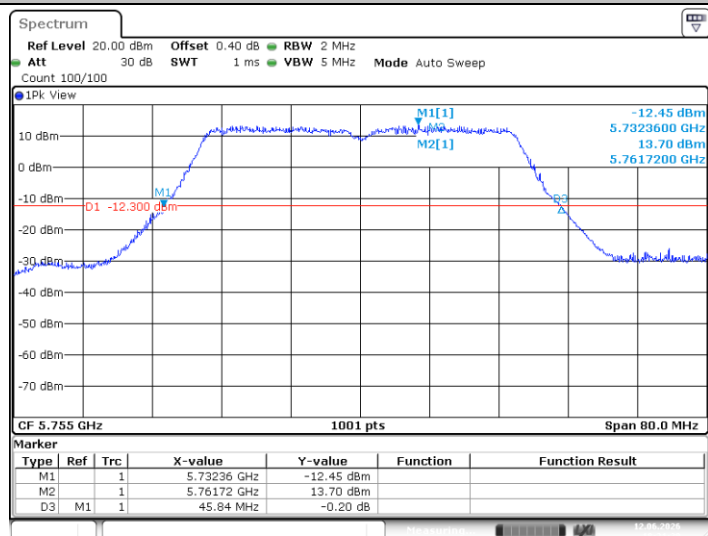
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11N40SISO_Ant1_5230



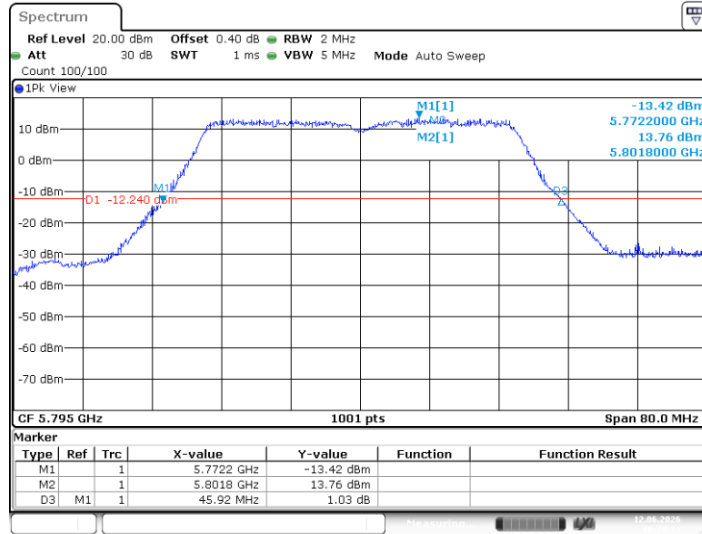
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11N40SISO_Ant1_5755



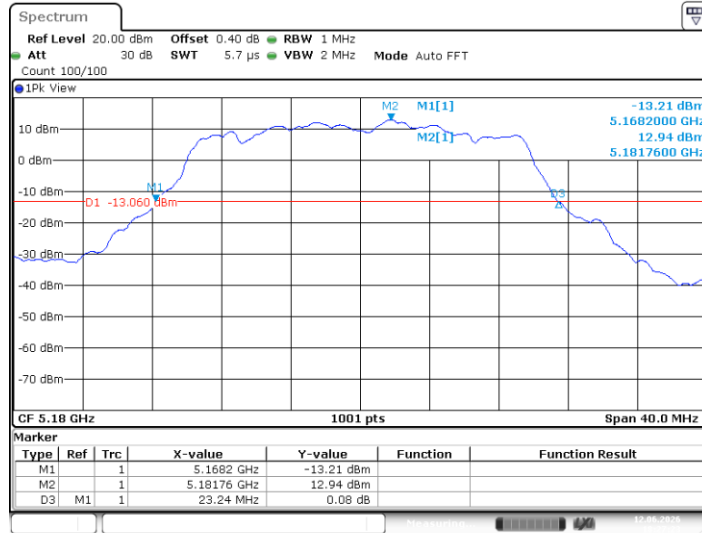
Date: 12.JUN.2026 18:21:30

11N40SISO_Ant1_5795



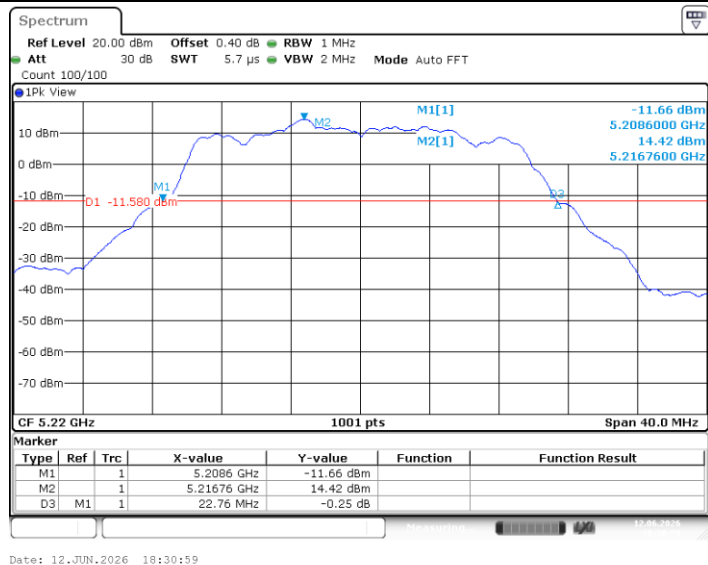
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11AC20SISO_Ant1_5180

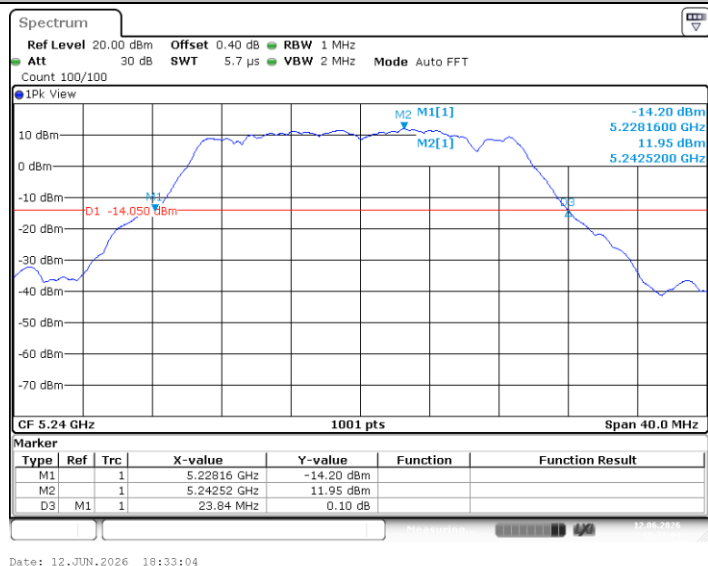


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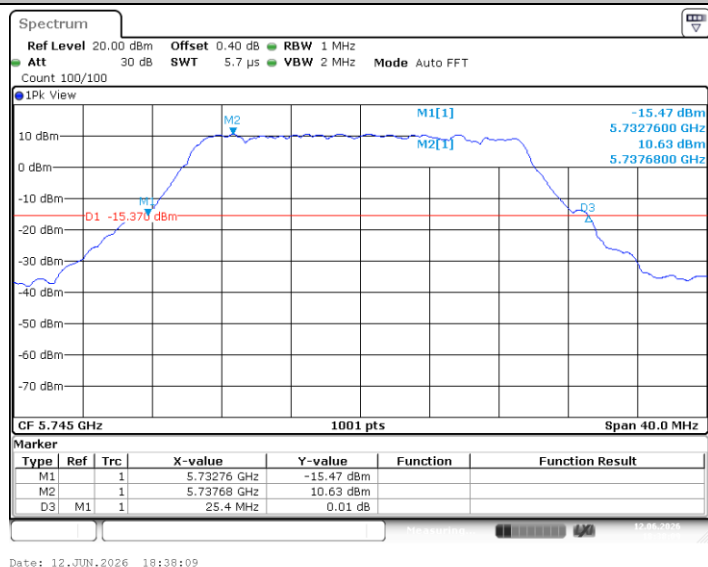
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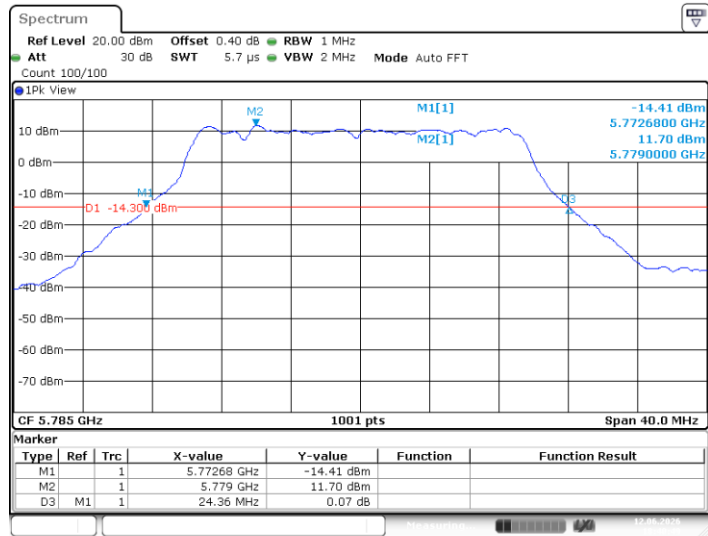
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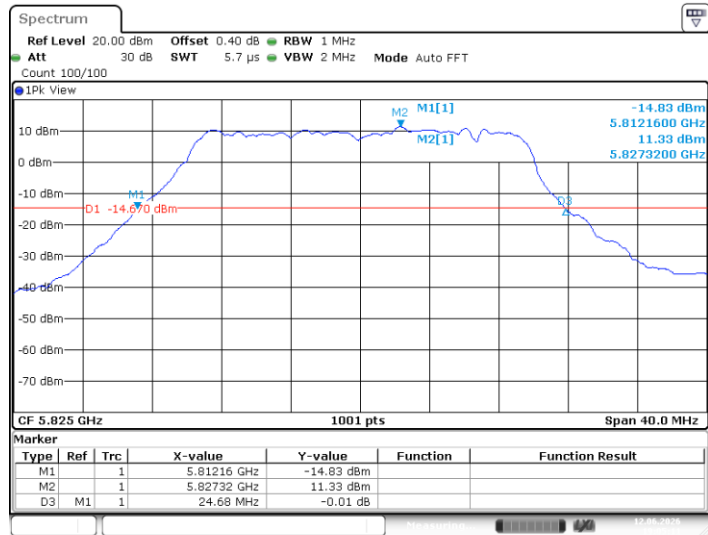
11AC20SISO_Ant1_5745



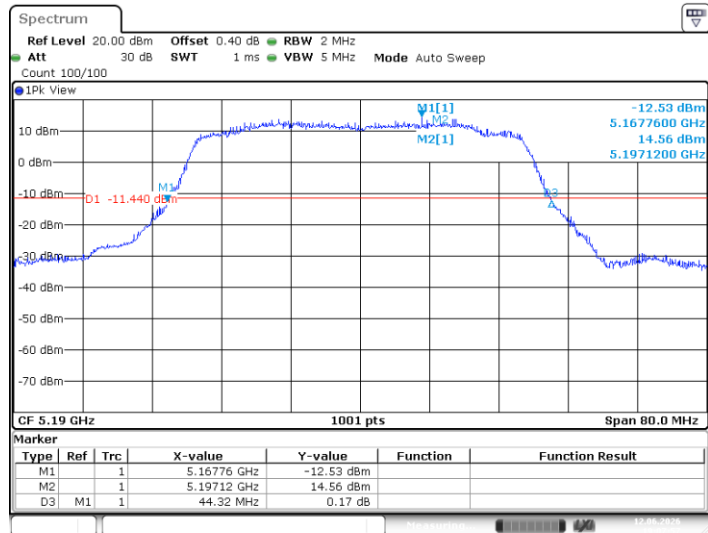
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825

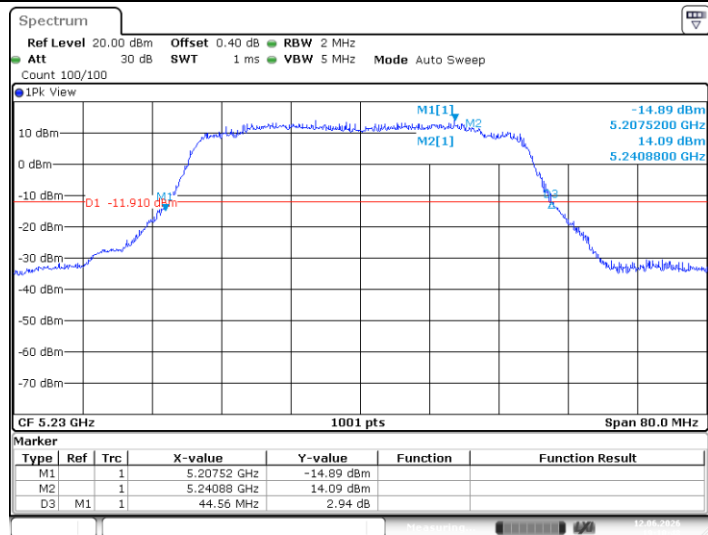


11AC40SISO_Ant1_5190



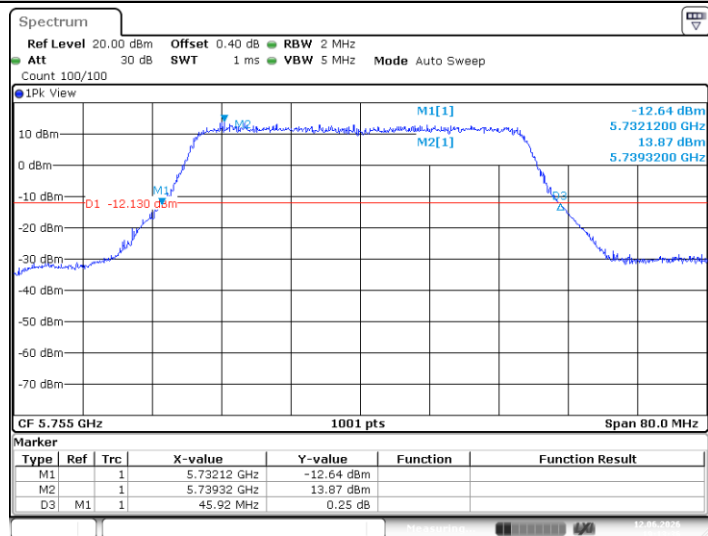
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11AC40SISO_Ant1_5230



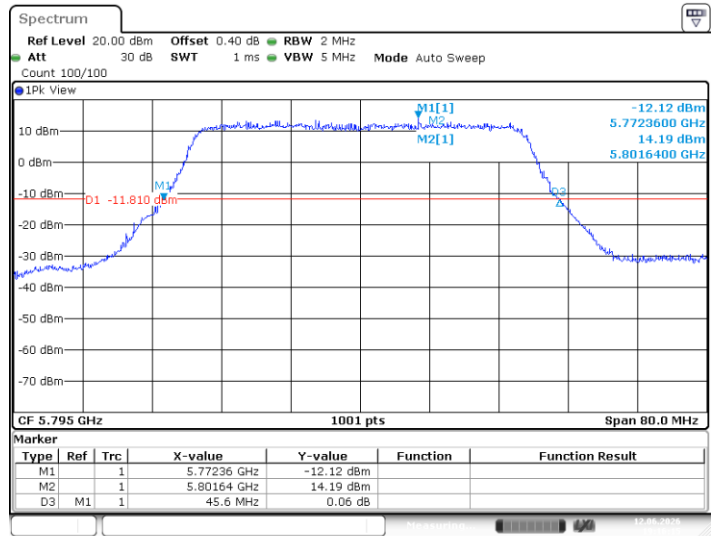
Date: 12.JUN.2026 19:10:49

11AC40SISO_Ant1_5755



Date: 12.JUN.2026 19:13:35

11AC40SISO_Ant1_5795



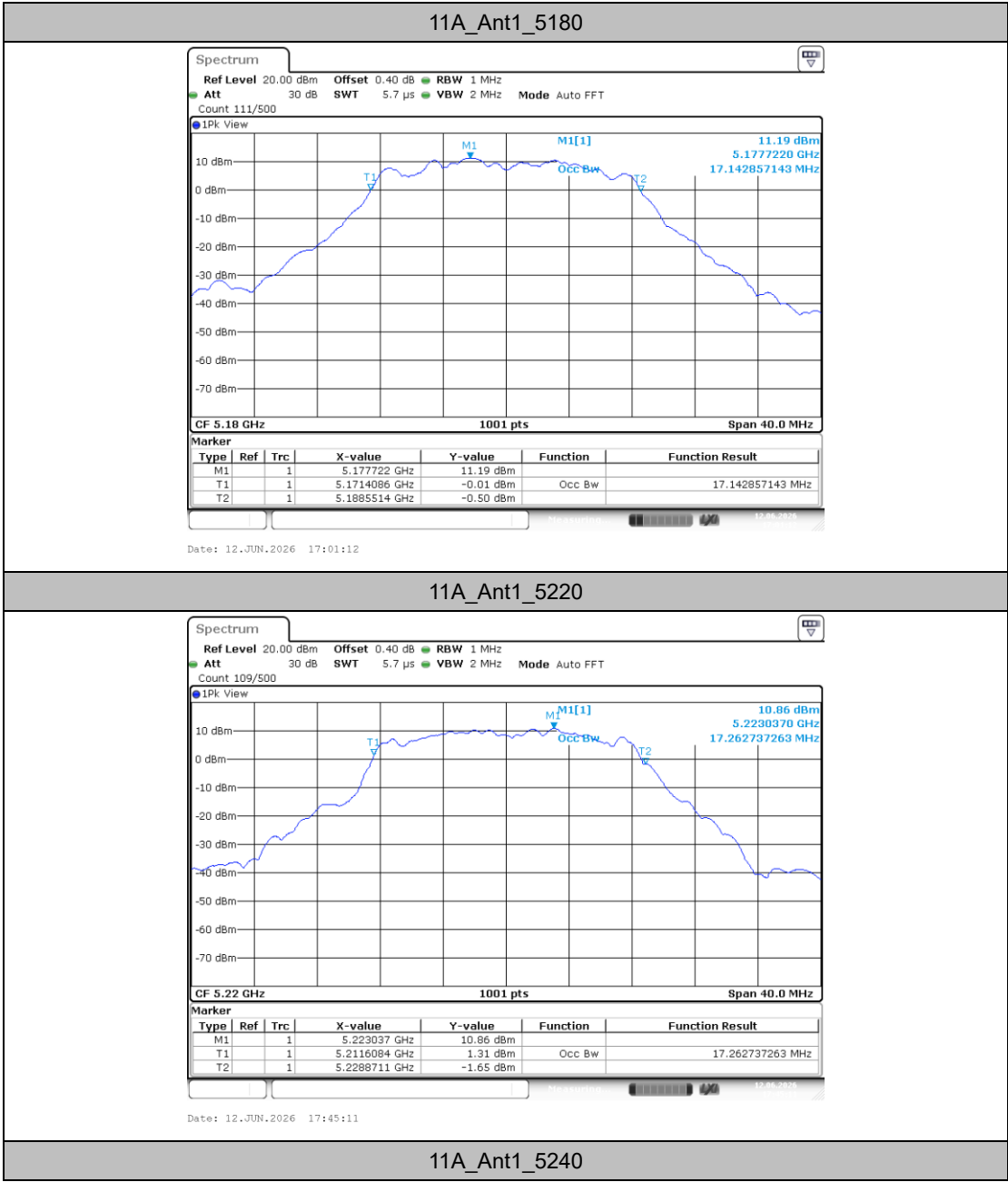
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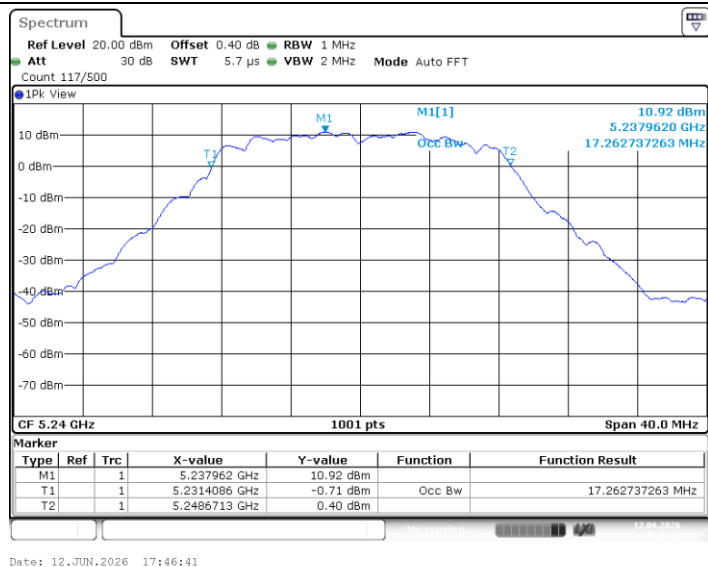
Appendix A2: Occupied channel bandwidth

Test Result

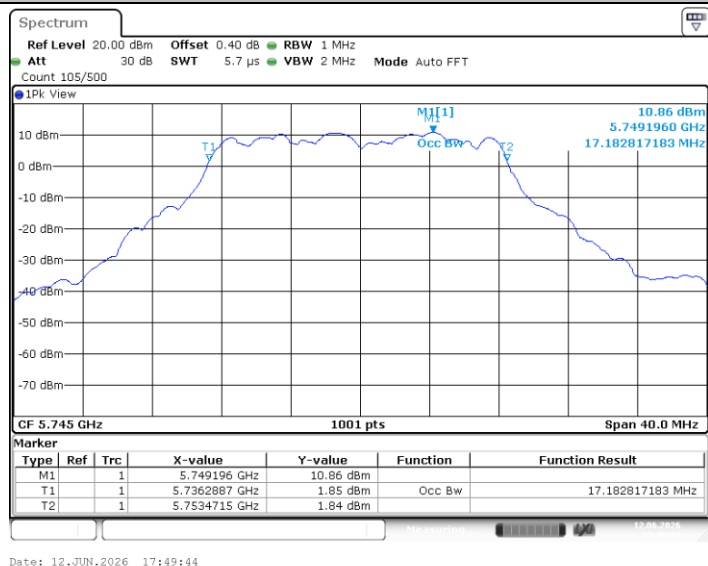
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.143	5171.4086	5188.5514	---	---
		5220	17.263	5211.6084	5228.8711	---	---
		5240	17.263	5231.4086	5248.6713	---	---
		5745	17.183	5736.2887	5753.4715	---	---
		5785	17.742	5776.4086	5794.1508	---	---
		5825	17.742	5815.9291	5833.6713	---	---
11N20SISO	Ant1	5180	18.102	5170.9690	5189.0709	---	---
		5220	18.342	5210.8891	5229.2308	---	---
		5240	18.022	5231.0490	5249.0709	---	---
		5745	18.741	5735.6893	5754.4306	---	---
		5785	18.661	5775.8092	5794.4705	---	---
		5825	18.701	5815.7293	5834.4306	---	---
11N40SISO	Ant1	5190	36.923	5171.5385	5208.4615	---	---
		5230	36.843	5211.6184	5248.4615	---	---
		5755	37.642	5736.2188	5773.8611	---	---
		5795	37.642	5776.2188	5813.8611	---	---
11AC20SISO	Ant1	5180	19.141	5170.4895	5189.6304	---	---
		5220	19.181	5210.2897	5229.4705	---	---
		5240	19.381	5230.2098	5249.5904	---	---
		5745	19.540	5735.2098	5754.7502	---	---
		5785	19.500	5775.2098	5794.7103	---	---
		5825	19.421	5815.2498	5834.6703	---	---
11AC40SISO	Ant1	5190	38.202	5170.8991	5209.1009	---	---
		5230	38.282	5210.8991	5249.1808	---	---
		5755	38.921	5735.5794	5774.5005	---	---
		5795	39.081	5775.4995	5814.5804	---	---

Test Graphs

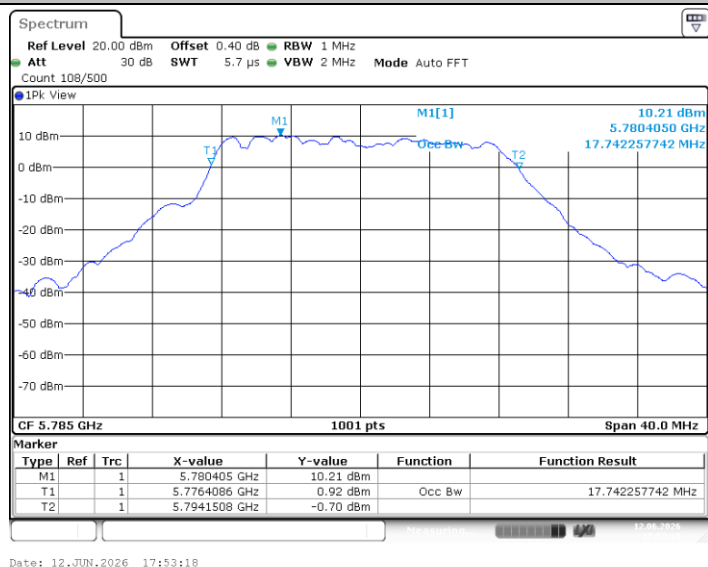




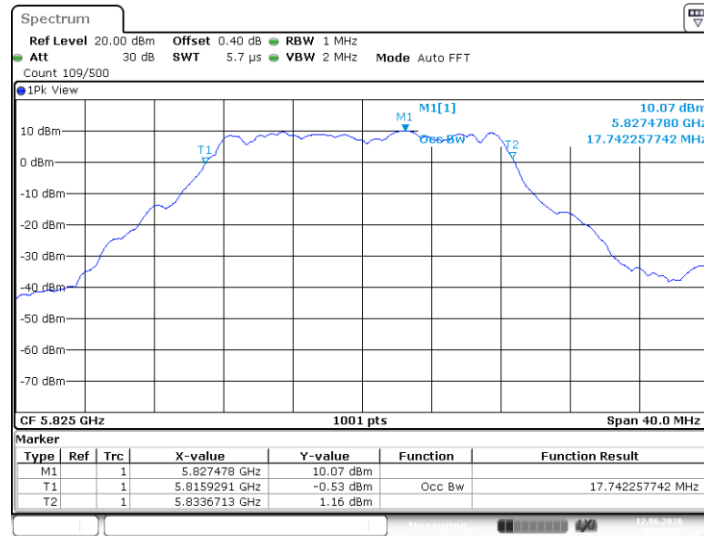
11A_Ant1_5745



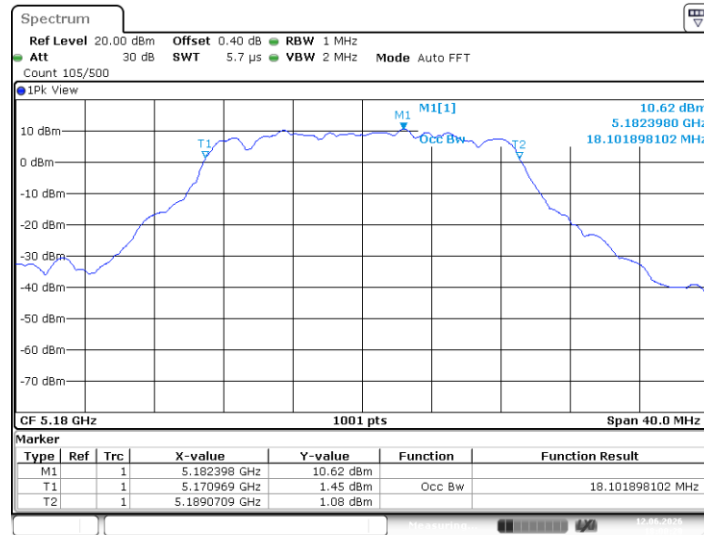
11A_Ant1_5785



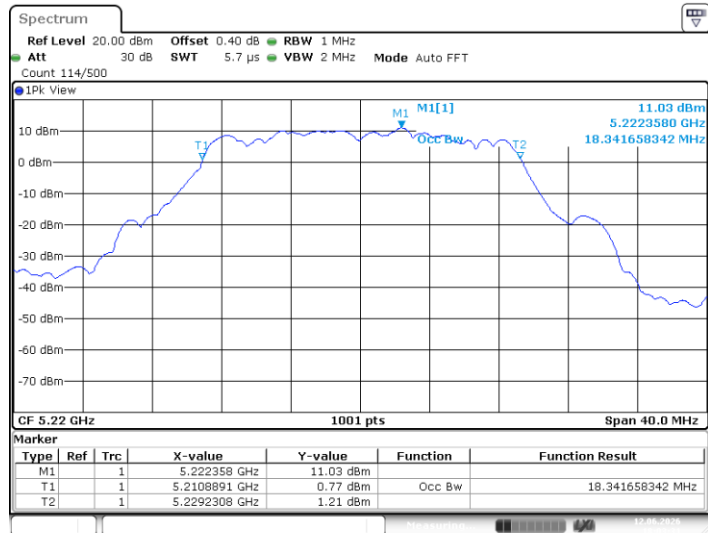
11A_Ant1_5825



11N20SISO_Ant1_5180

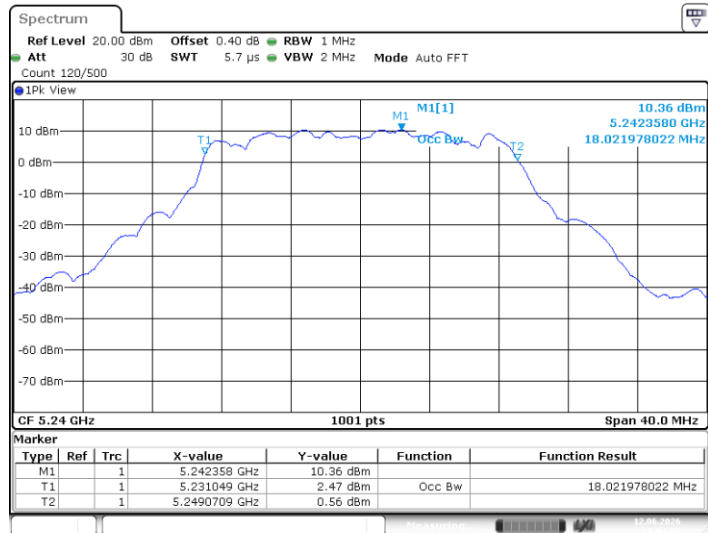


11N20SISO_Ant1_5220



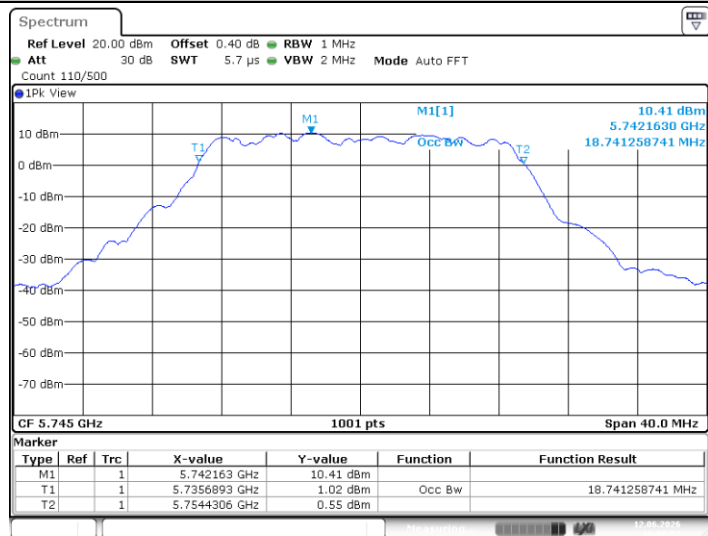
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11N20SISO_Ant1_5240



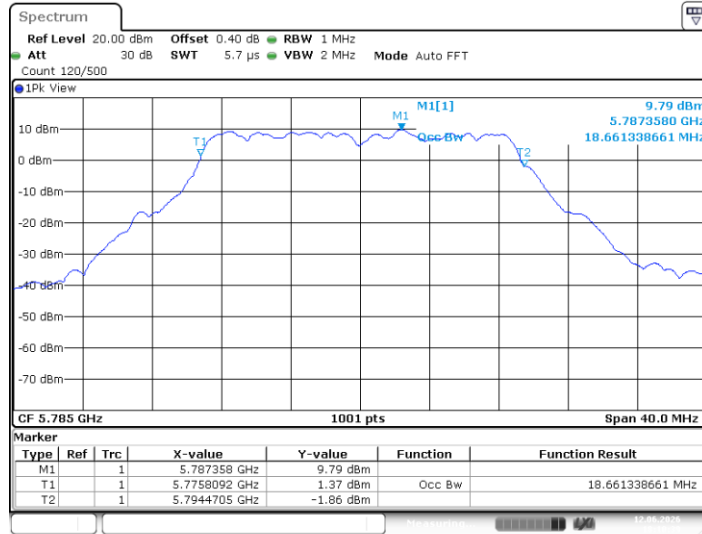
Date: 12.JUN.2026 18:04:56

11N20SISO_Ant1_5745



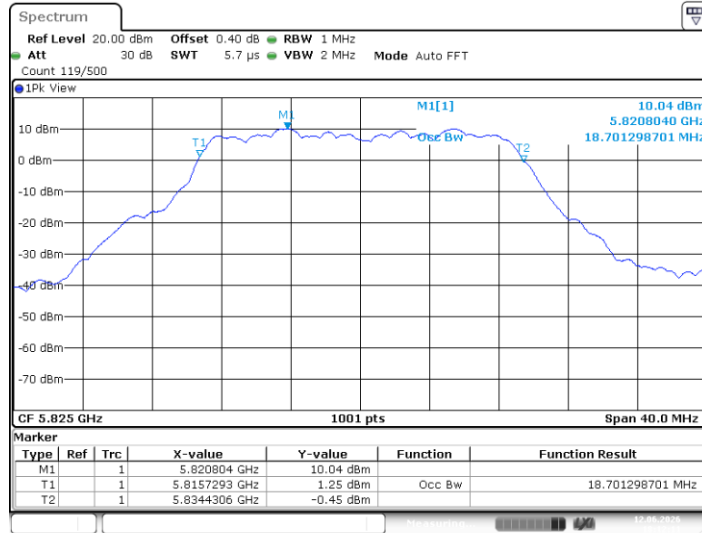
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11N20SISO_Ant1_5785



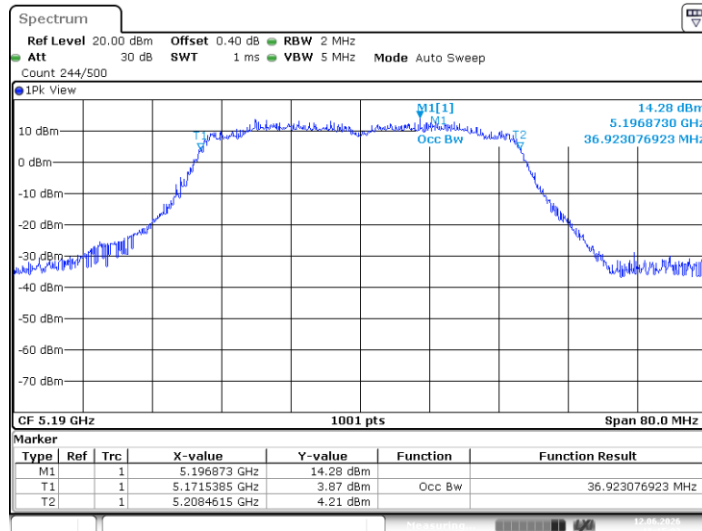
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11N20SISO_Ant1_5825



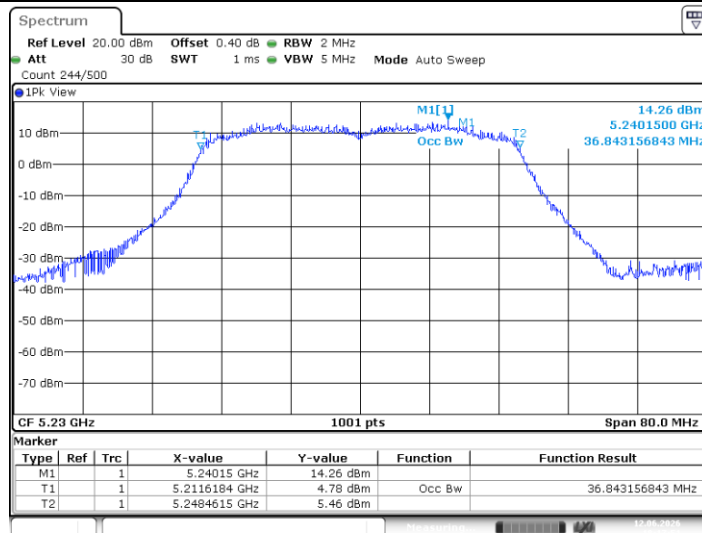
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11N40SISO_Ant1_5190



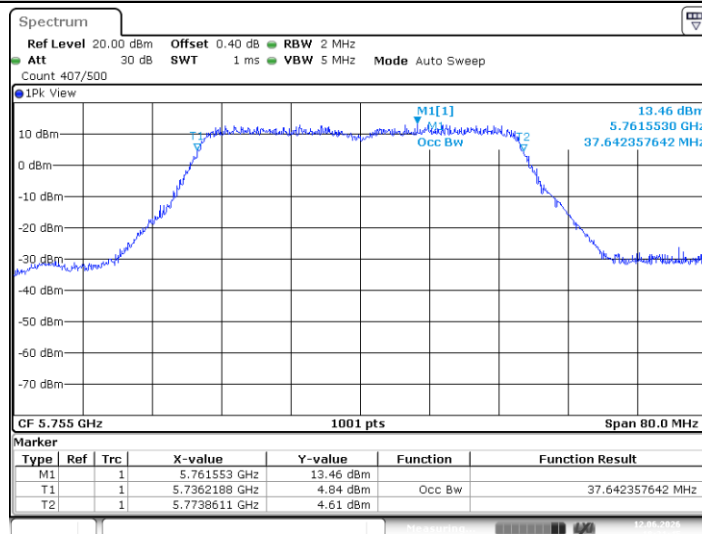
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11N40SISO_Ant1_5230



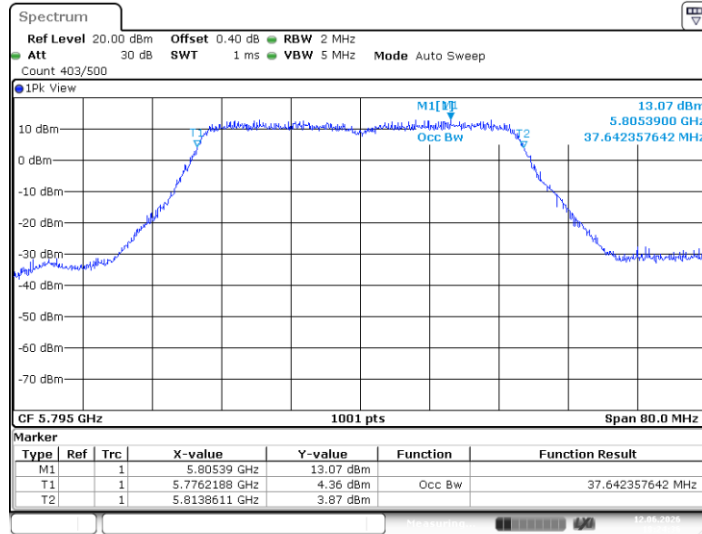
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11N40SISO_Ant1_5755



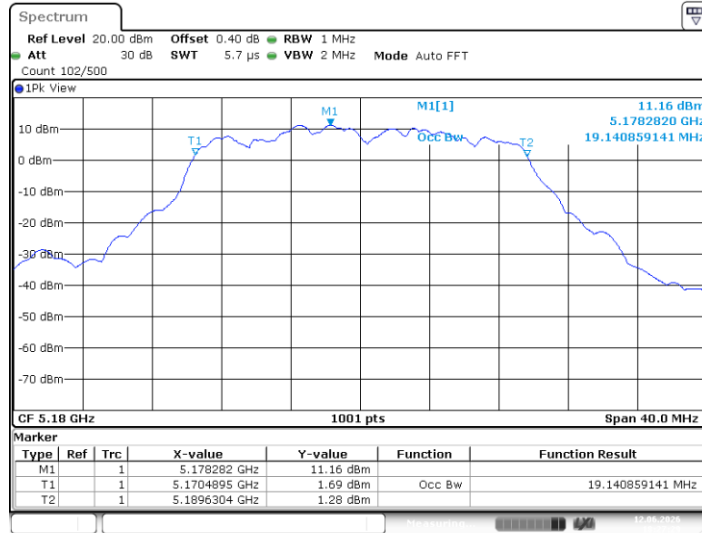
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11N40SISO_Ant1_5795



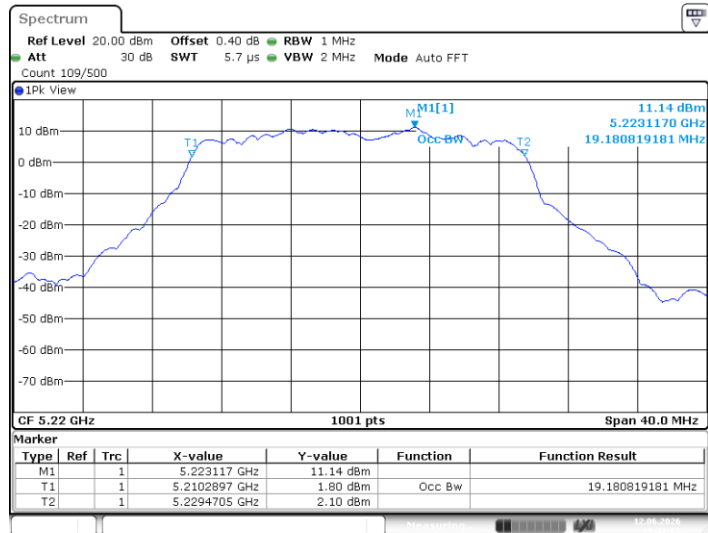
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11AC20SISO_Ant1_5180



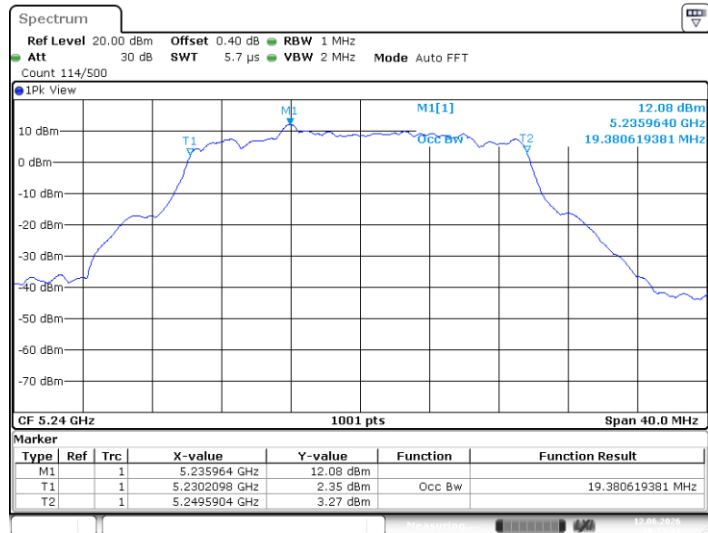
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11AC20SISO_Ant1_5220



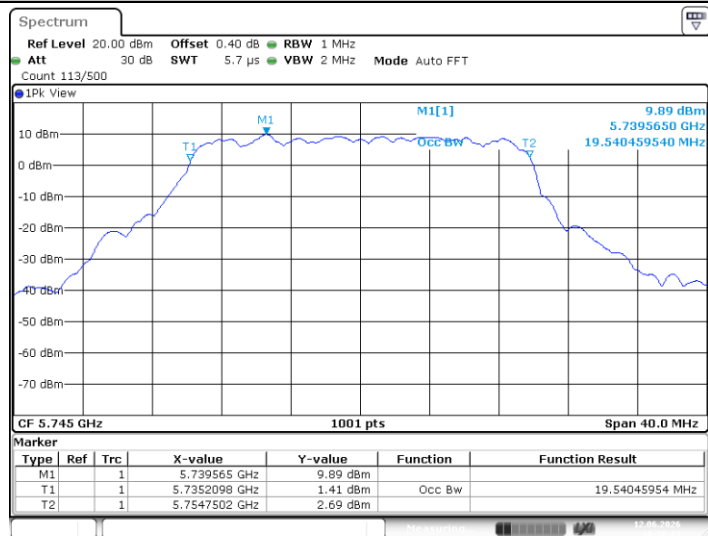
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11AC20SISO_Ant1_5240



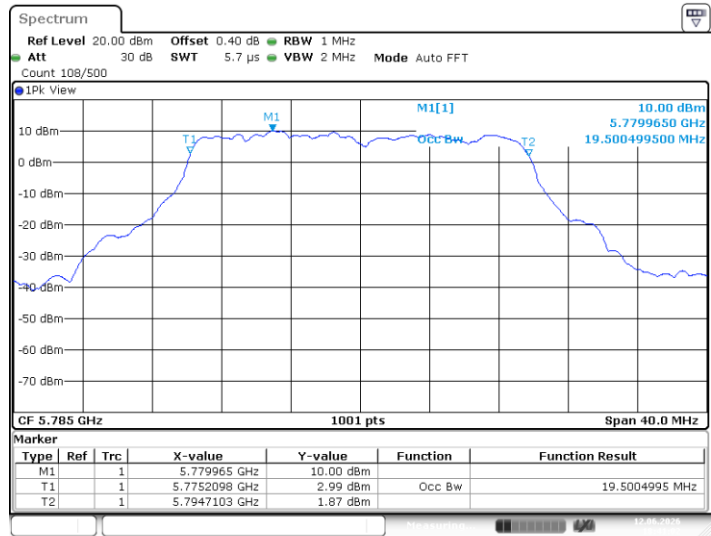
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11AC20SISO_Ant1_5745

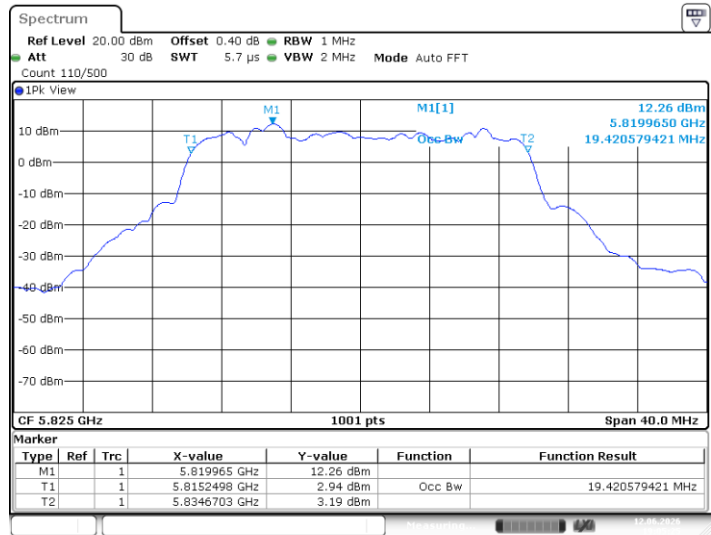


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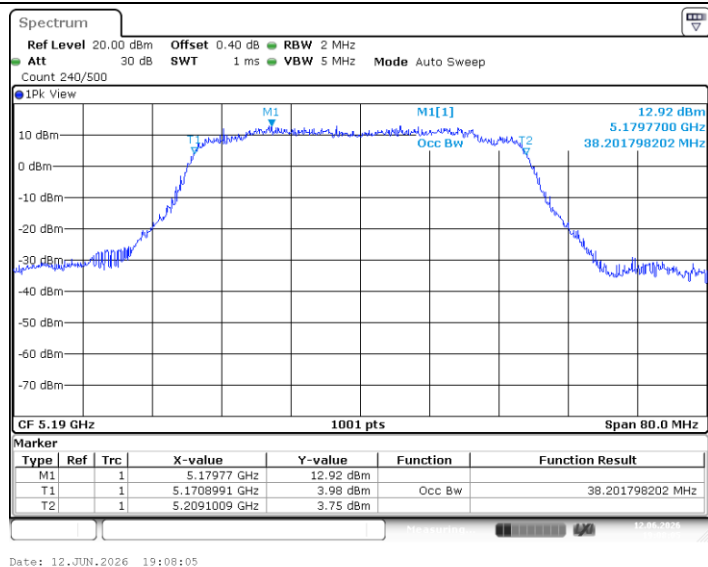
11AC20SISO_Ant1_5785



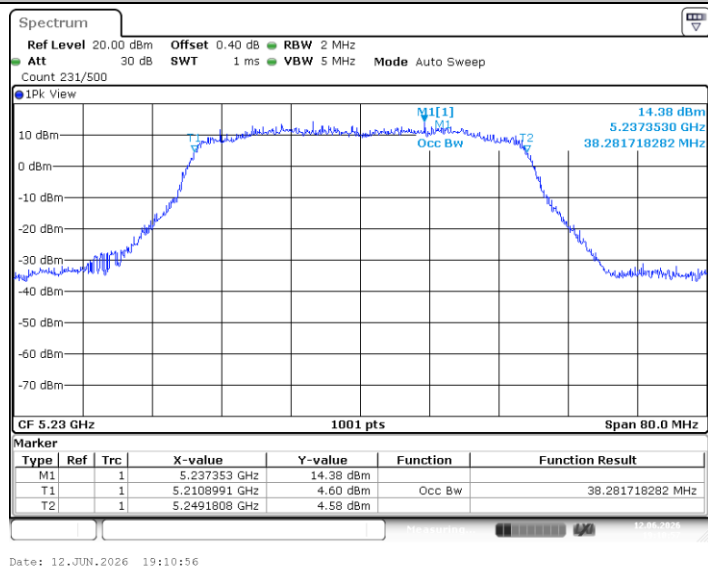
11AC20SISO_Ant1_5825



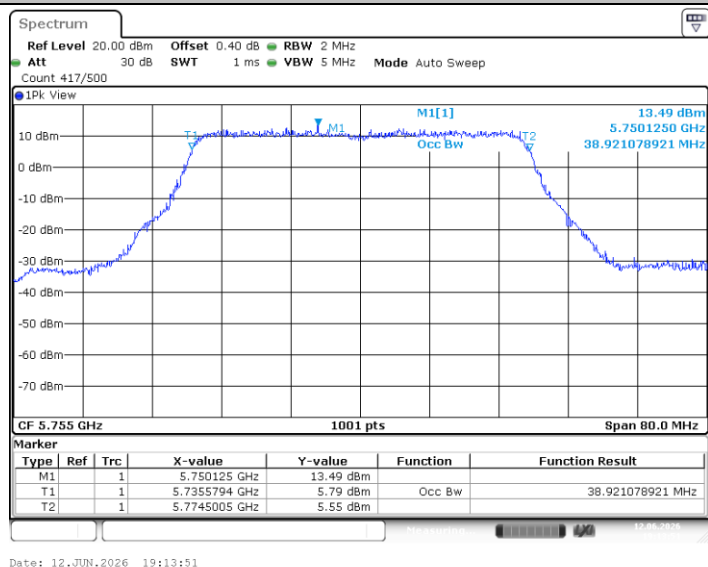
11AC40SISO_Ant1_5190



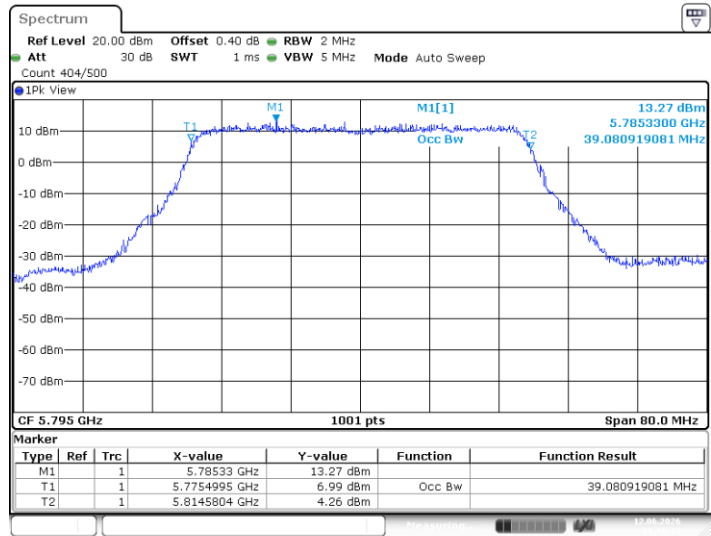
11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



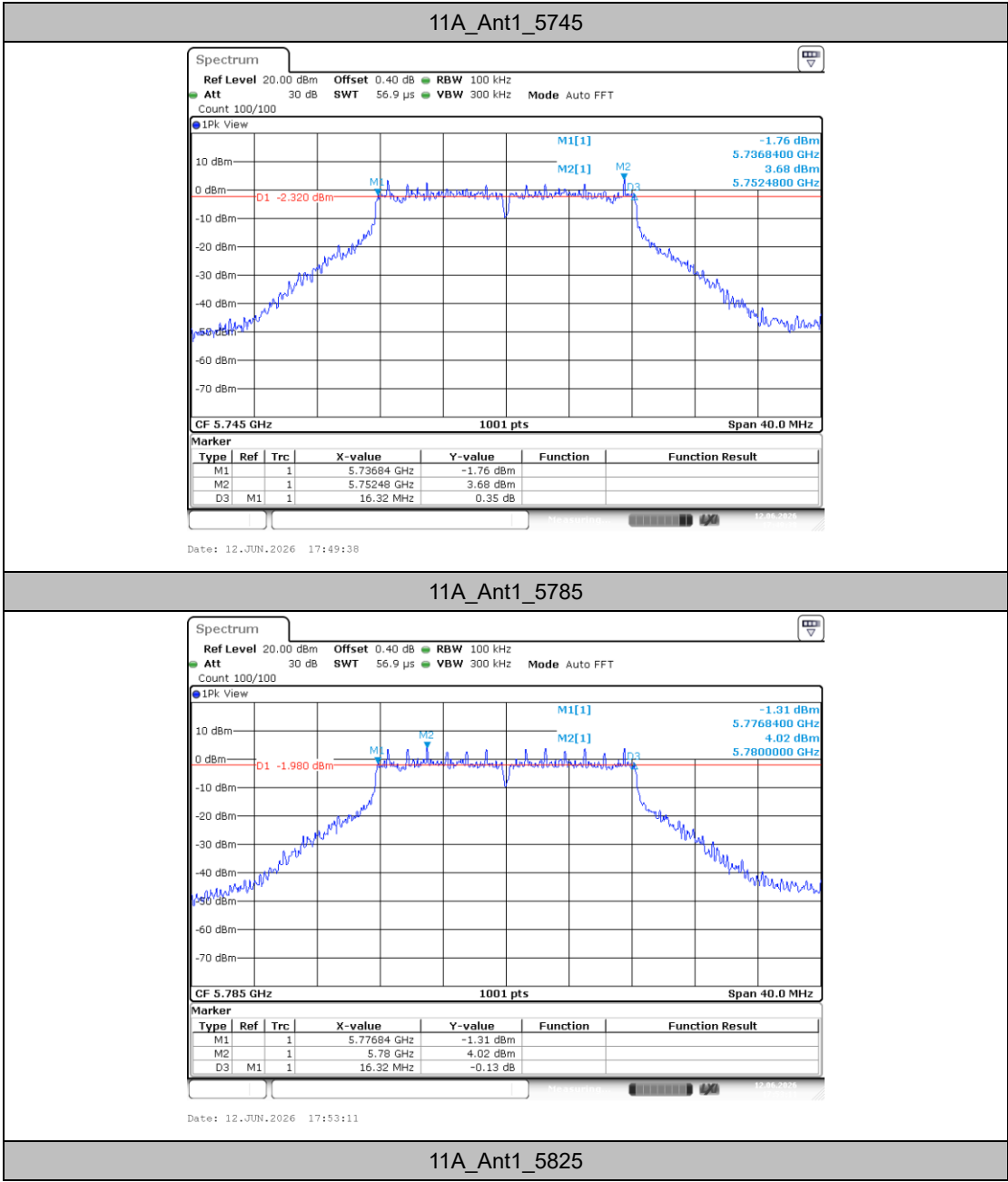
Date: 12.JUN.2026 19:16:31

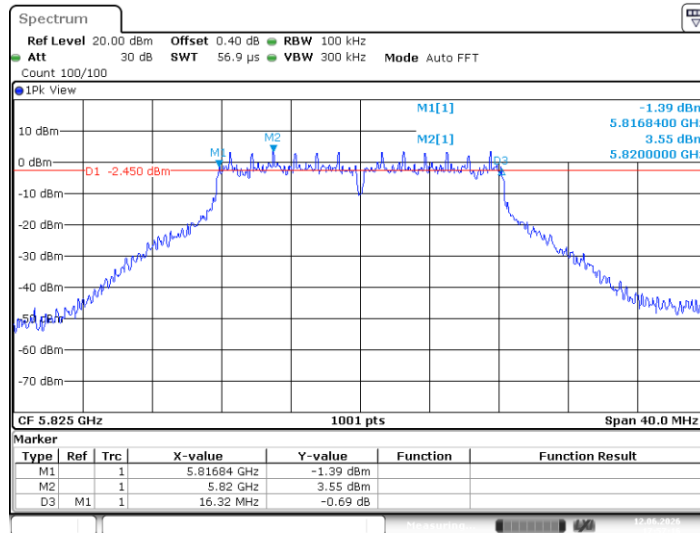
Appendix A3: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.32	5736.84	5753.16	0.5	PASS
		5785	16.32	5776.84	5793.16	0.5	PASS
		5825	16.32	5816.84	5833.16	0.5	PASS
11N20SISO	Ant1	5745	17.28	5736.24	5753.52	0.5	PASS
		5785	17.56	5776.20	5793.76	0.5	PASS
		5825	17.56	5816.20	5833.76	0.5	PASS
11N40SISO	Ant1	5755	36.08	5737.08	5773.16	0.5	PASS
		5795	36.32	5776.84	5813.16	0.5	PASS
11AC20SISO	Ant1	5745	18.48	5735.60	5754.08	0.5	PASS
		5785	18.00	5775.92	5793.92	0.5	PASS
		5825	18.56	5815.84	5834.40	0.5	PASS
11AC40SISO	Ant1	5755	36.48	5736.20	5772.68	0.5	PASS
		5795	37.44	5776.28	5813.72	0.5	PASS

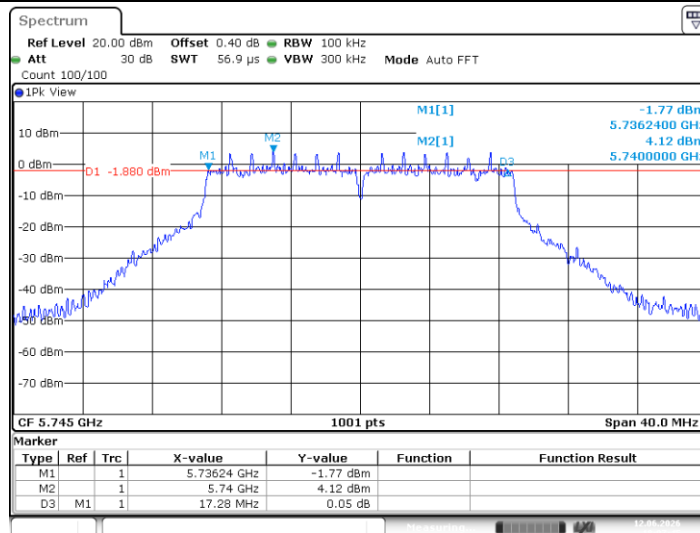
Test Graphs B4





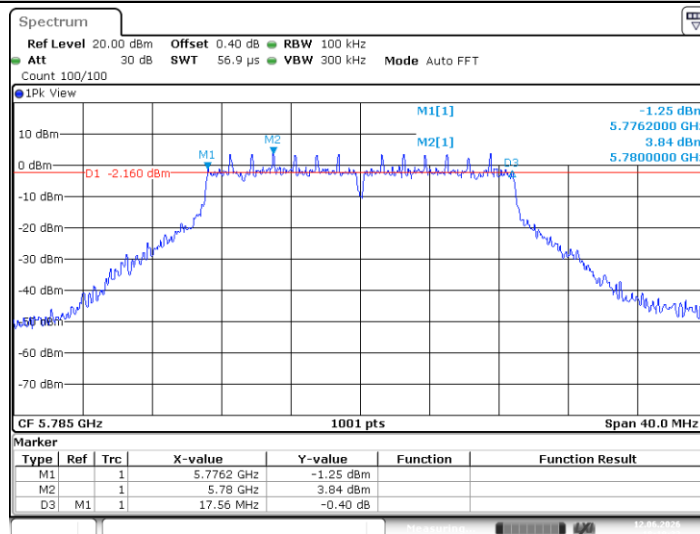
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11N20SISO_Ant1_5745



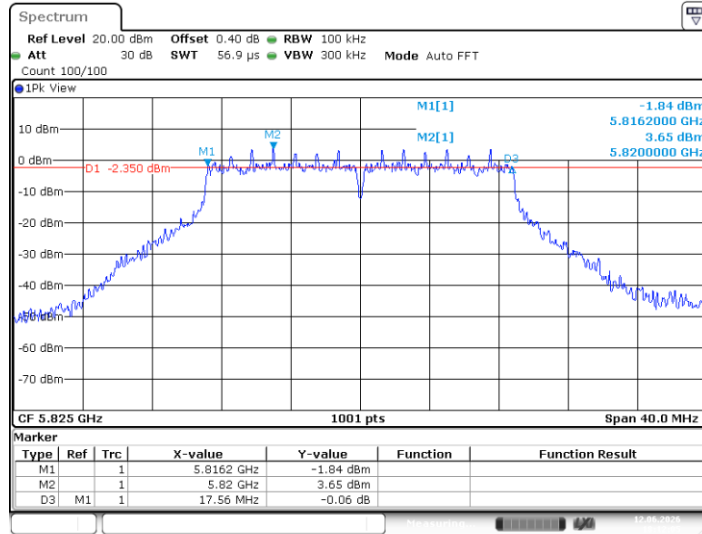
Date: 12.JUN.2026 18:07:45

11N20SISO_Ant1_5785

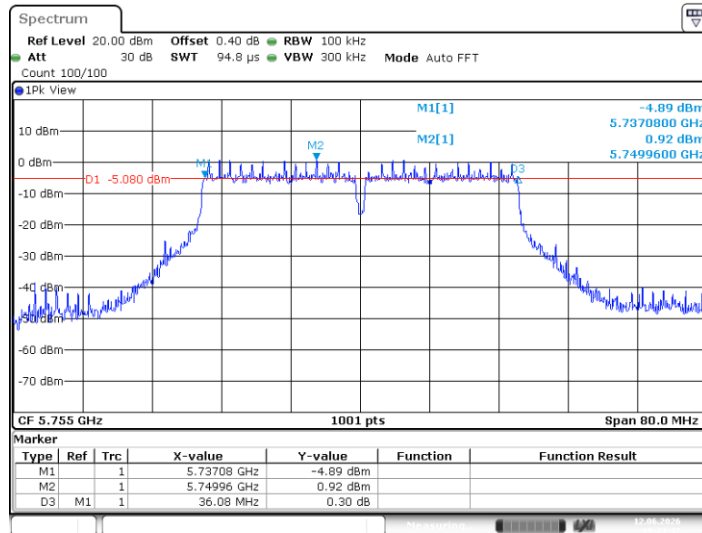


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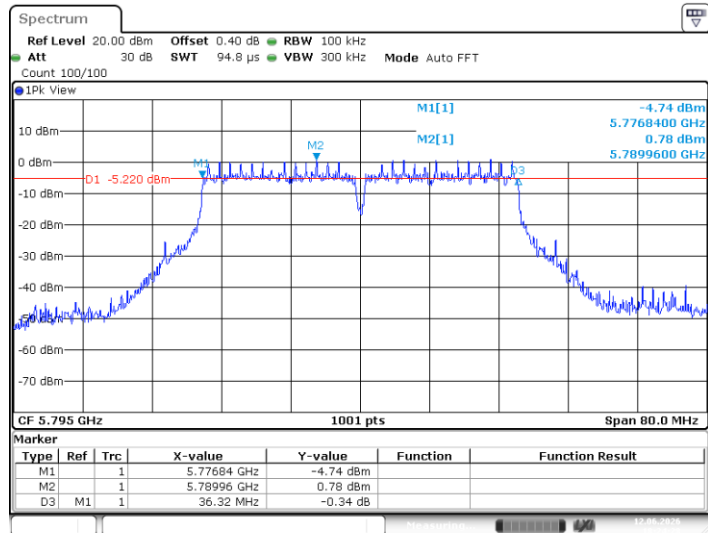
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755

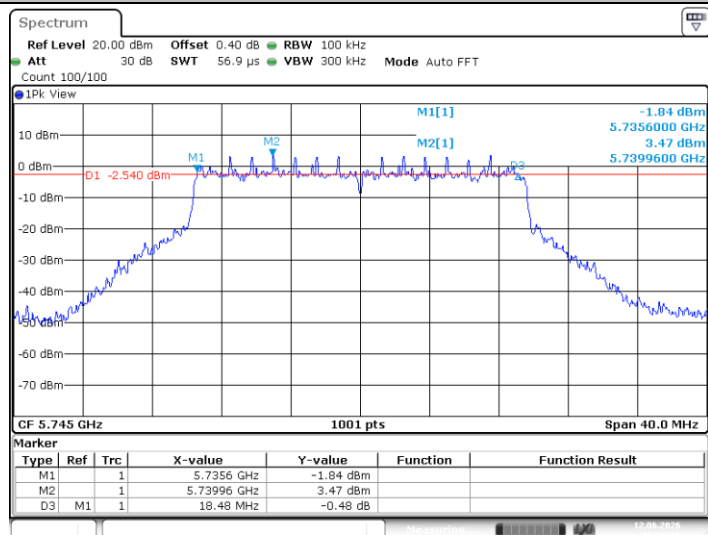


11N40SISO_Ant1_5795



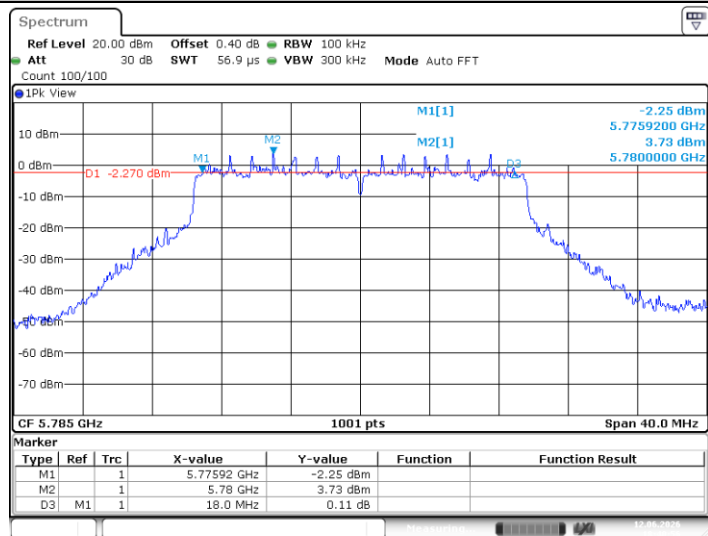
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11AC20SISO_Ant1_5745



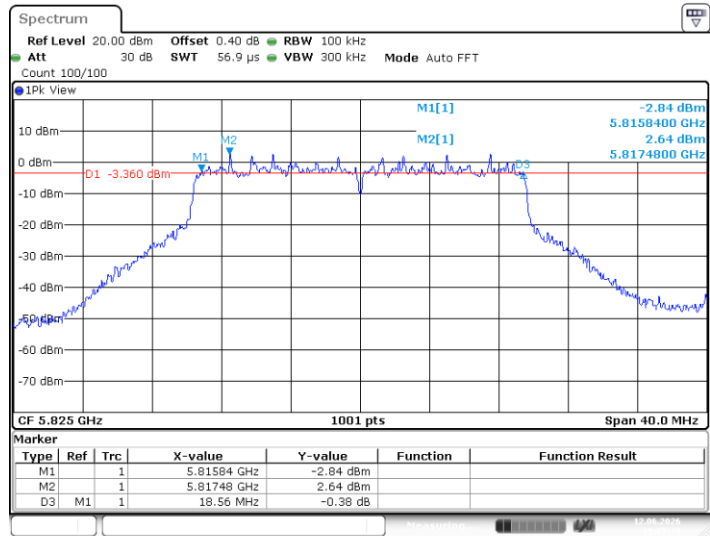
Date: 12.JUN.2026 18:38:17

11AC20SISO_Ant1_5785

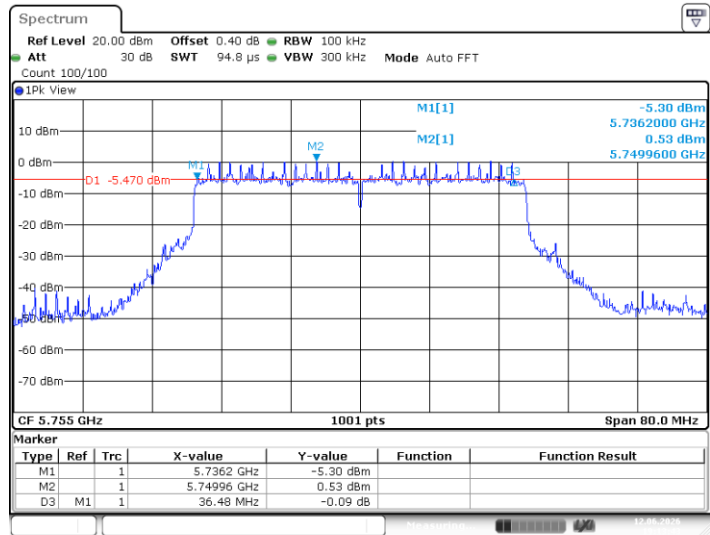


Date: 12.JUN.2026 18:40:56

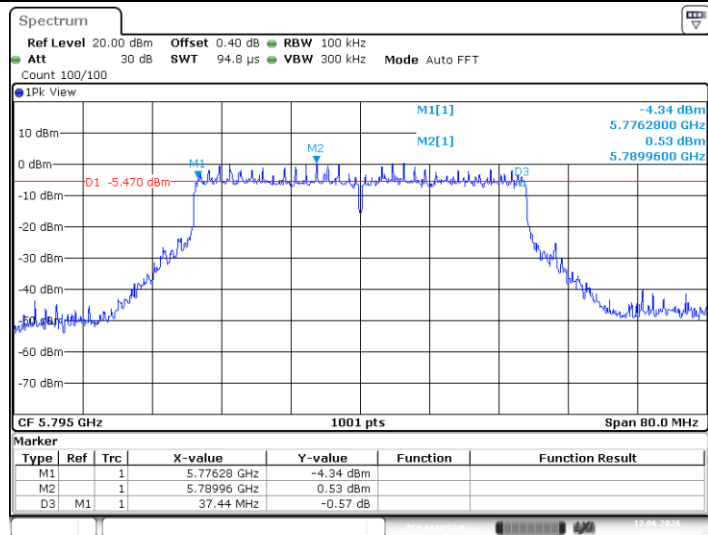
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



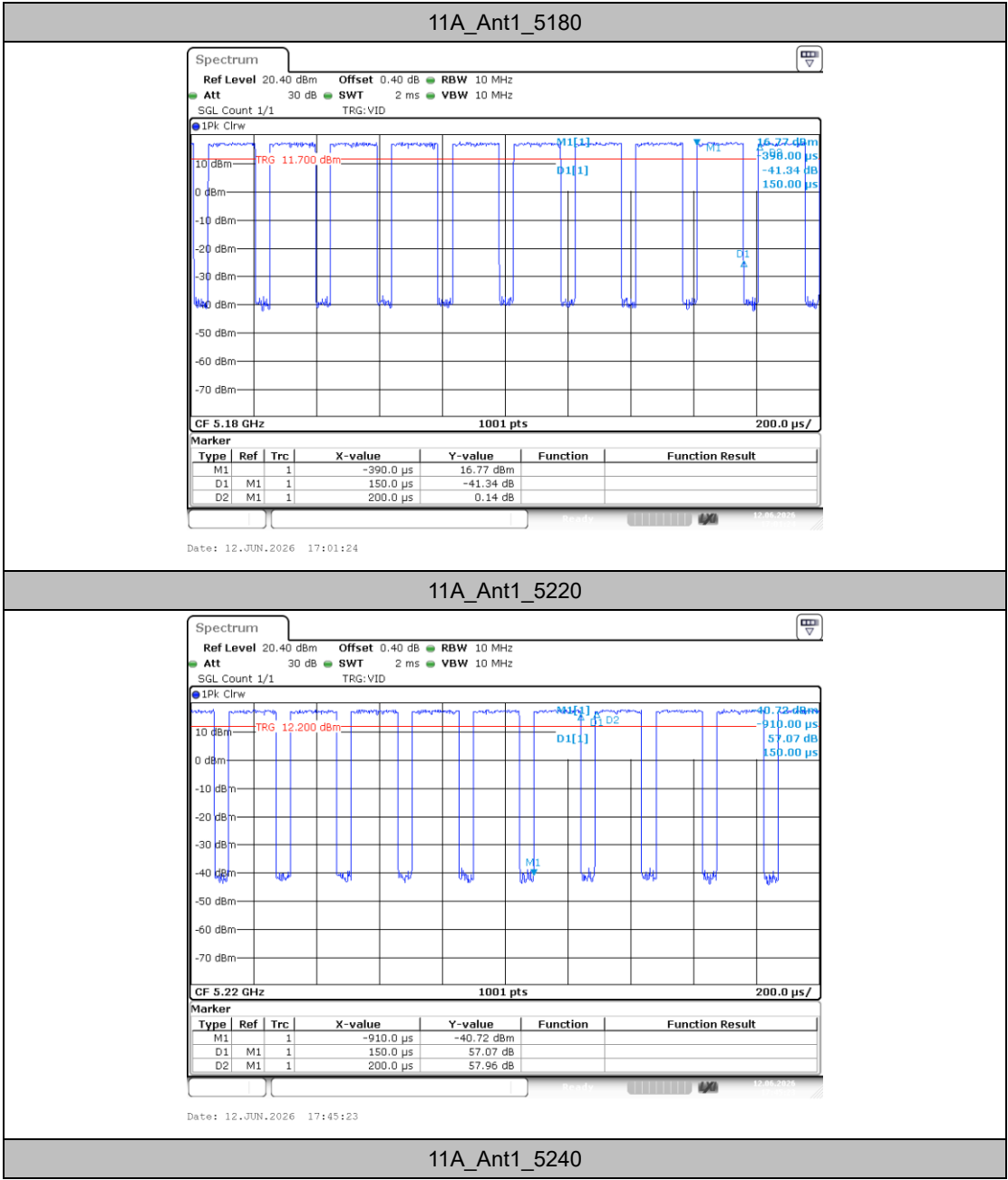
Date: 12.JUN.2026 19:16:23

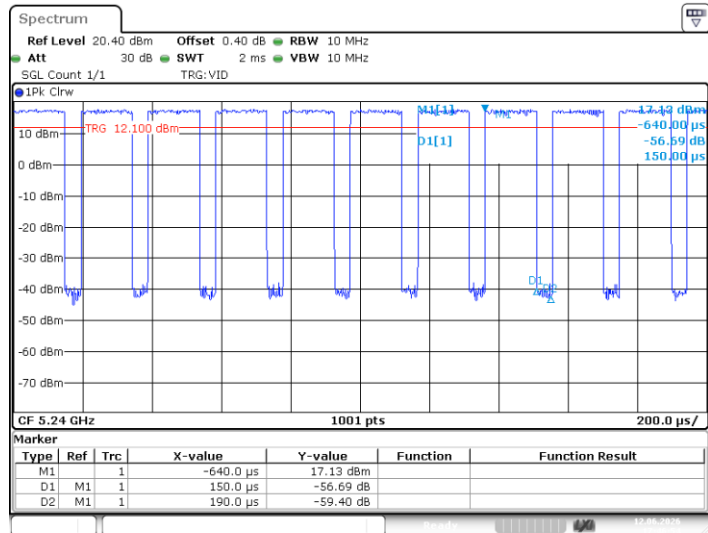
Appendix B: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dB]	Limit	Verdict
11A	Ant1	5180	0.15	0.20	75.00	1.25	---	---
		5220	0.15	0.20	75.00	1.25	---	---
		5240	0.15	0.19	78.95	1.03	---	---
		5745	0.15	0.19	78.95	1.03	---	---
		5785	0.15	0.20	75.00	1.25	---	---
		5825	0.15	0.20	75.00	1.25	---	---
11N20SISO	Ant1	5180	0.17	0.22	77.27	1.12	---	---
		5220	0.17	0.22	77.27	1.12	---	---
		5240	0.17	0.22	77.27	1.12	---	---
		5745	0.18	0.23	78.26	1.06	---	---
		5785	0.18	0.22	81.82	0.87	---	---
		5825	0.17	0.22	77.27	1.12	---	---
11N40SISO	Ant1	5190	0.18	0.23	78.26	1.06	---	---
		5230	0.18	0.22	81.82	0.87	---	---
		5755	0.18	0.22	81.82	0.87	---	---
		5795	0.18	0.23	78.26	1.06	---	---
11AC20SISO	Ant1	5180	0.26	0.30	86.67	0.62	---	---
		5220	0.26	0.30	86.67	0.62	---	---
		5240	0.26	0.30	86.67	0.62	---	---
		5745	0.26	0.31	83.87	0.76	---	---
		5785	0.26	0.31	83.87	0.76	---	---
		5825	0.26	0.31	83.87	0.76	---	---
11AC40SISO	Ant1	5190	0.18	0.23	78.26	1.06	---	---
		5230	0.17	0.22	77.27	1.12	---	---
		5755	0.17	0.22	77.27	1.12	---	---
		5795	0.18	0.23	78.26	1.06	---	---

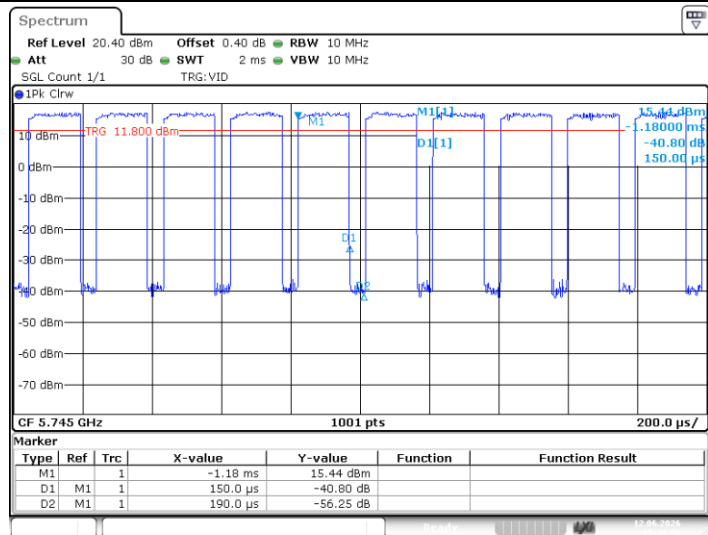
Test Graphs





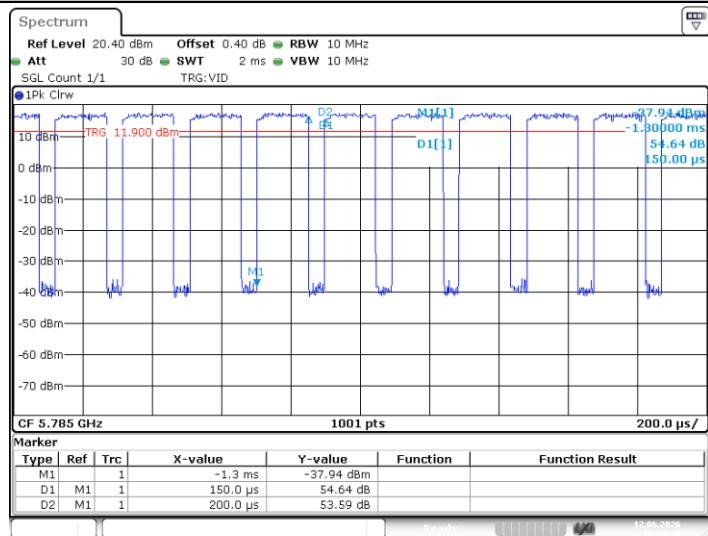
Date: 12.JUN.2026 17:46:54

11A_Ant1_5745



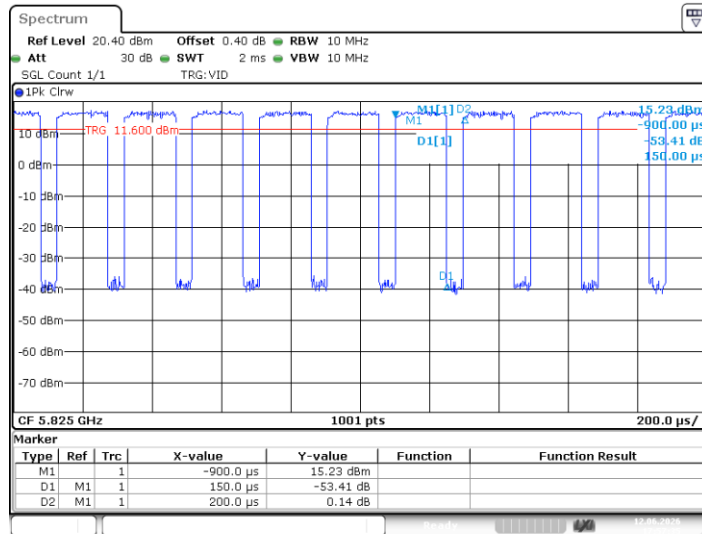
Date: 12.JUN.2026 17:49:57

11A_Ant1_5785



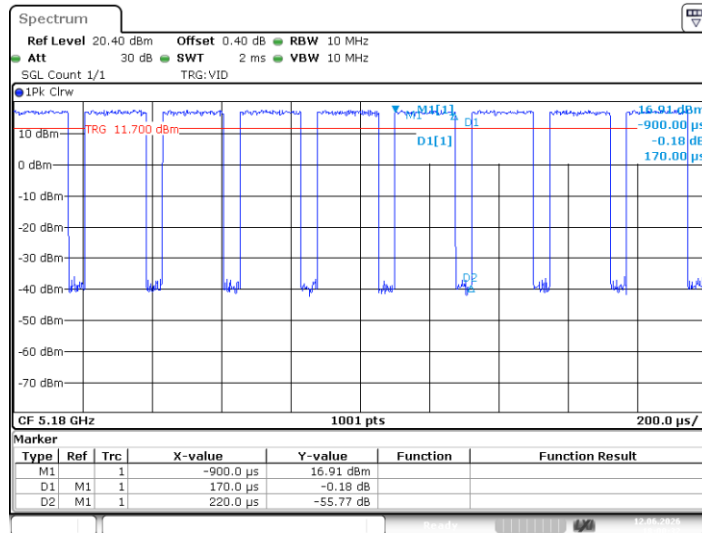
Date: 12.JUN.2026 17:53:30

11A_Ant1_5825



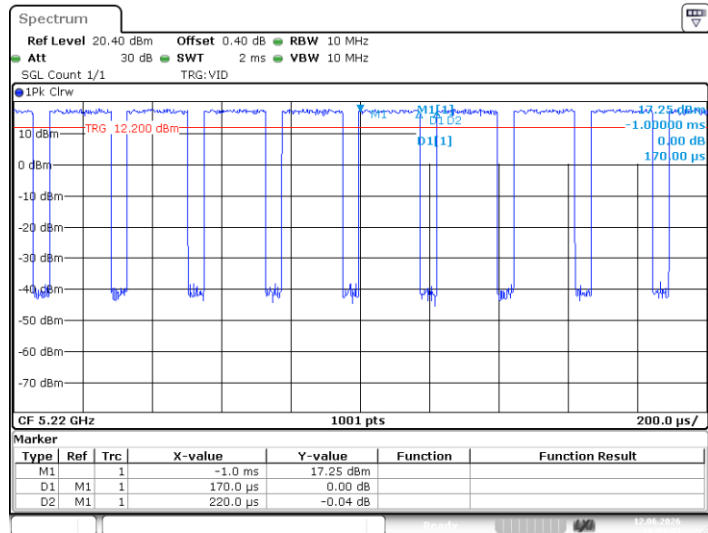
Date: 12.JUN.2026 17:57:35

11N20SISO_Ant1_5180



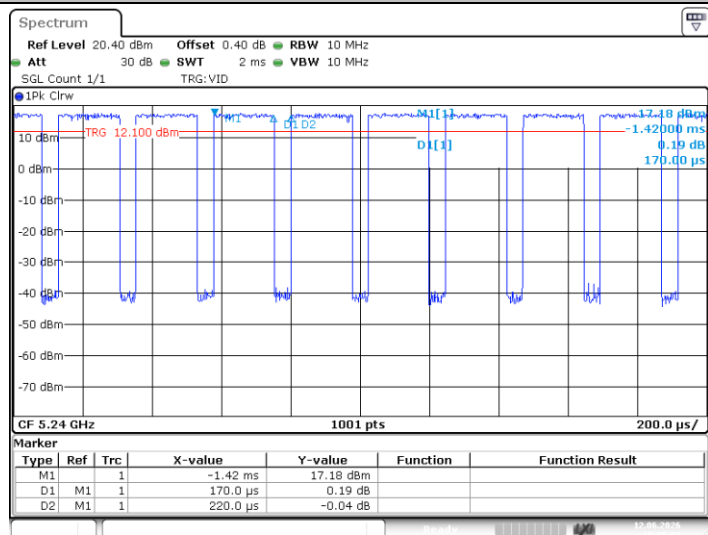
Date: 12.JUN.2026 18:00:32

11N20SISO_Ant1_5220



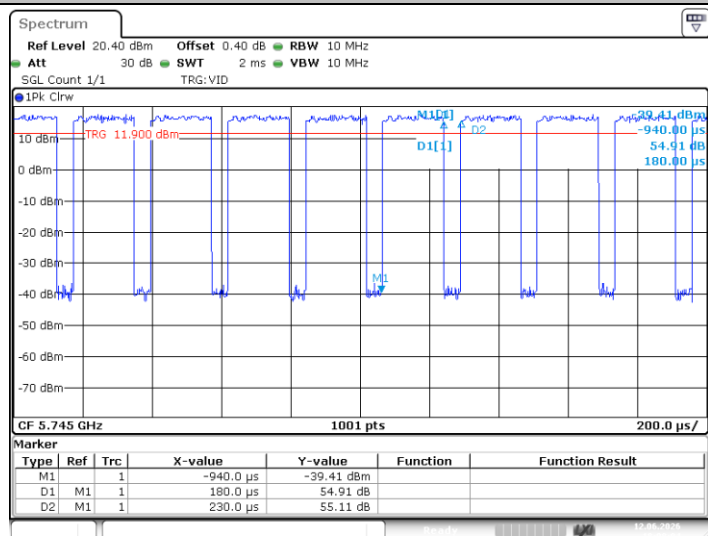
Date: 12.JUN.2026 18:03:43

11N20SISO_Ant1_5240



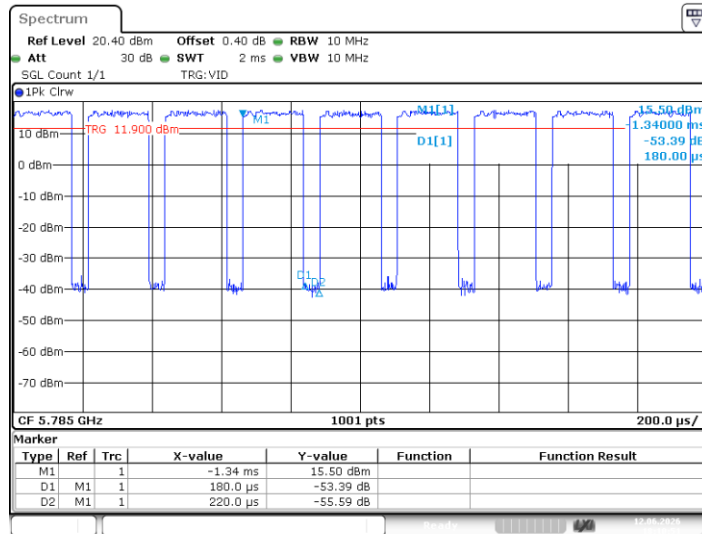
Date: 12.JUN.2026 18:05:09

11N20SISO_Ant1_5745



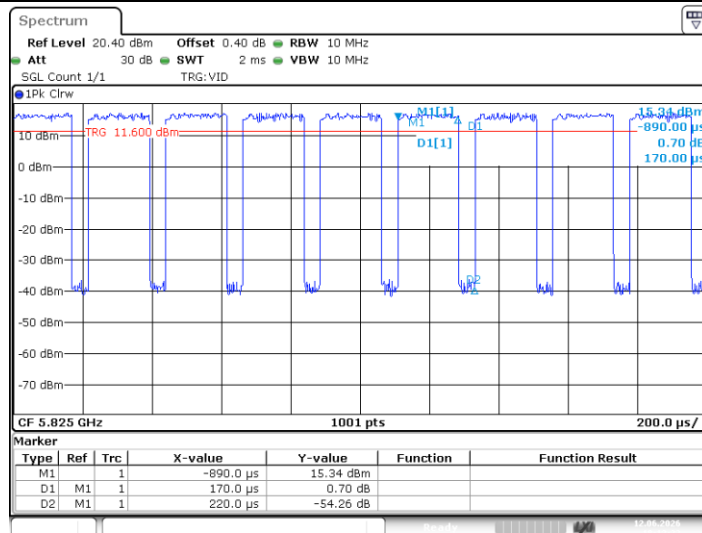
Date: 12.JUN.2026 18:08:04

11N20SISO_Ant1_5785



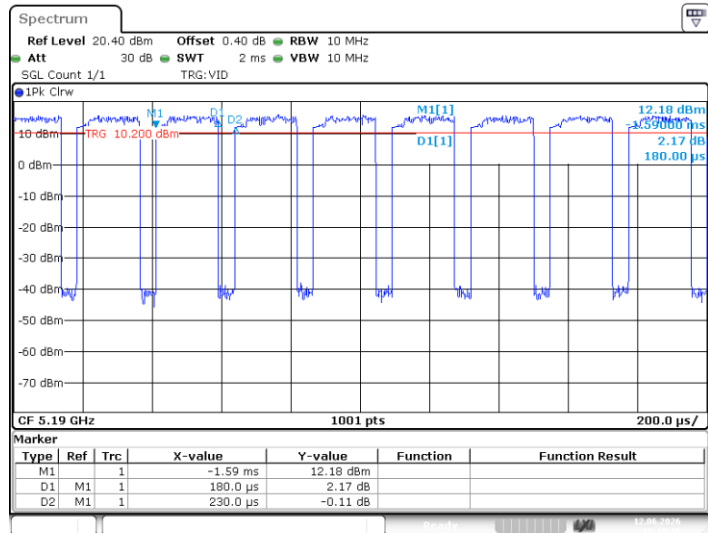
Date: 12.JUN.2026 18:10:51

11N20SISO_Ant1_5825



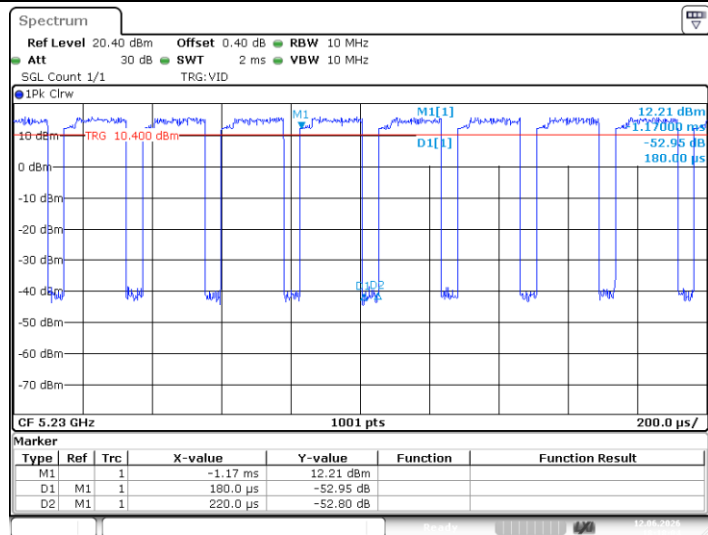
Date: 12.JUN.2026 18:12:23

11N40SISO_Ant1_5190



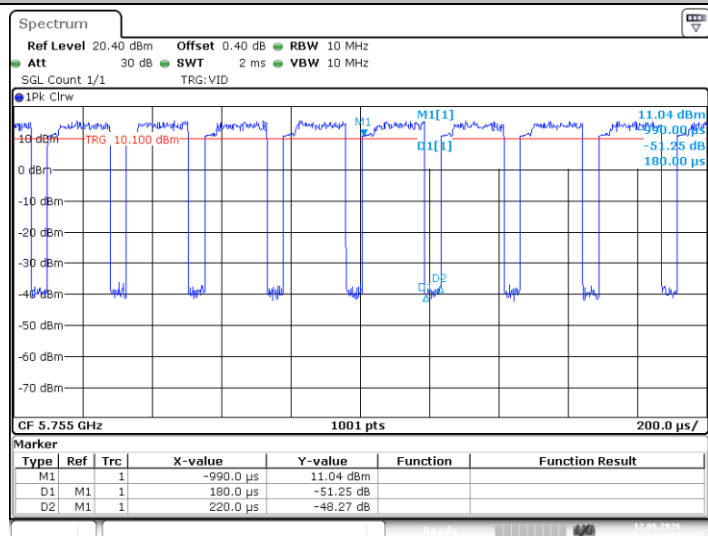
Date: 12.JUN.2026 18:15:15

11N40SISO_Ant1_5230



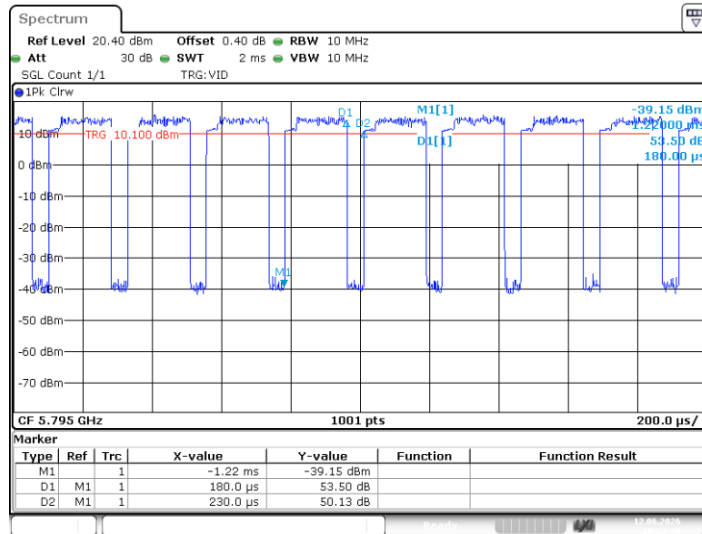
Date: 12.JUN.2026 18:18:04

11N40SISO_Ant1_5755



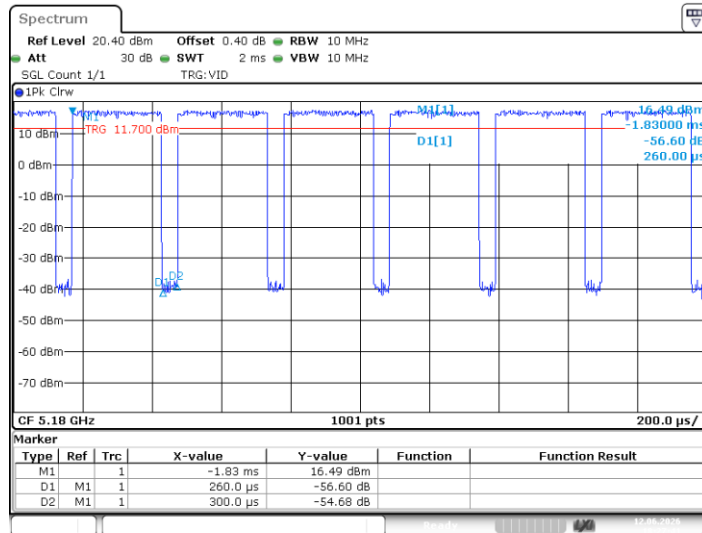
Date: 12.JUN.2026 18:21:58

11N40SISO_Ant1_5795



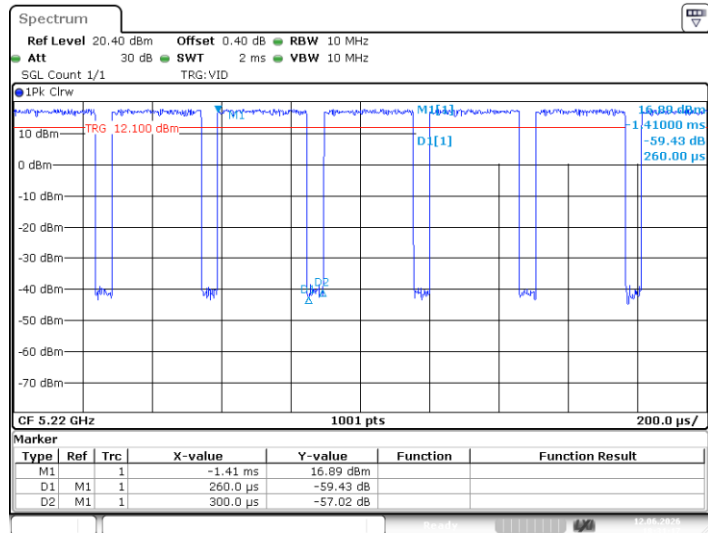
Date: 12.JUN.2026 18:24:49

11AC20SISO_Ant1_5180



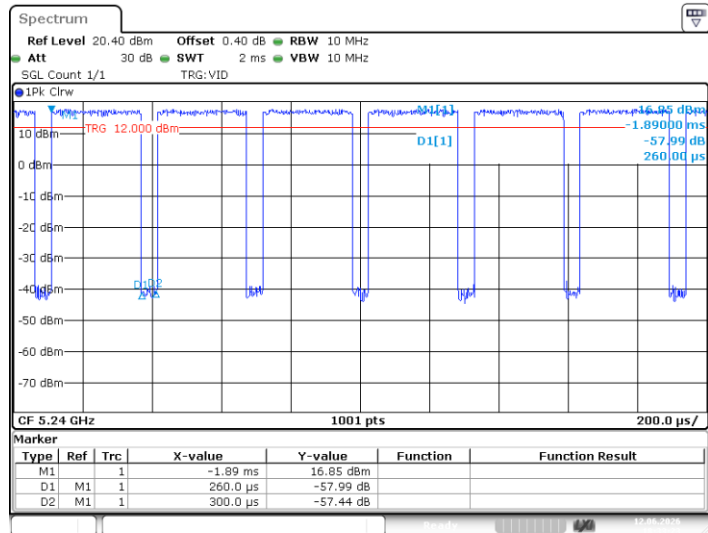
Date: 12.JUN.2026 18:27:41

11AC20SISO_Ant1_5220



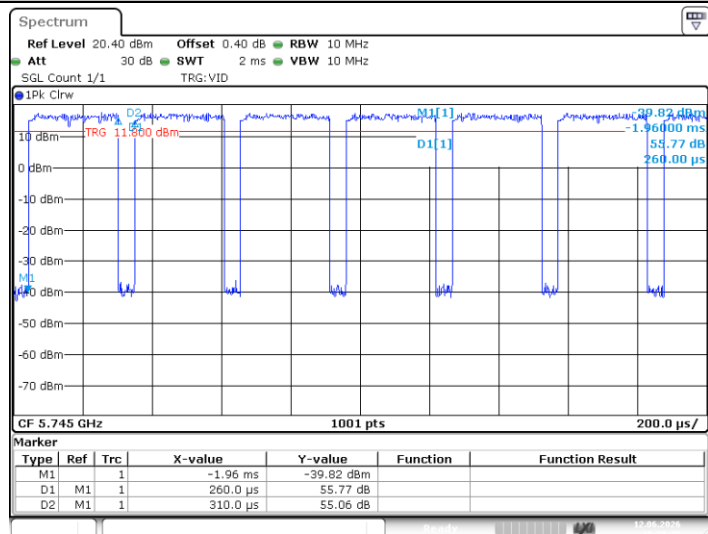
Date: 12.JUN.2026 18:31:18

11AC20SISO_Ant1_5240



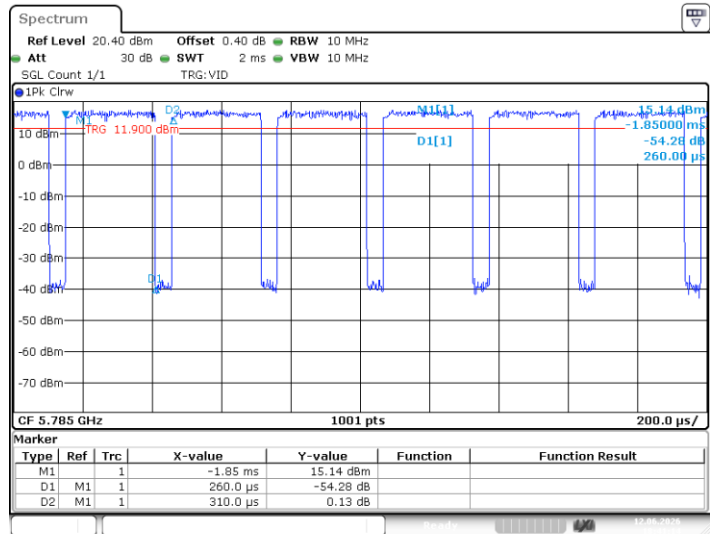
Date: 12.JUN.2026 18:33:23

11AC20SISO_Ant1_5745

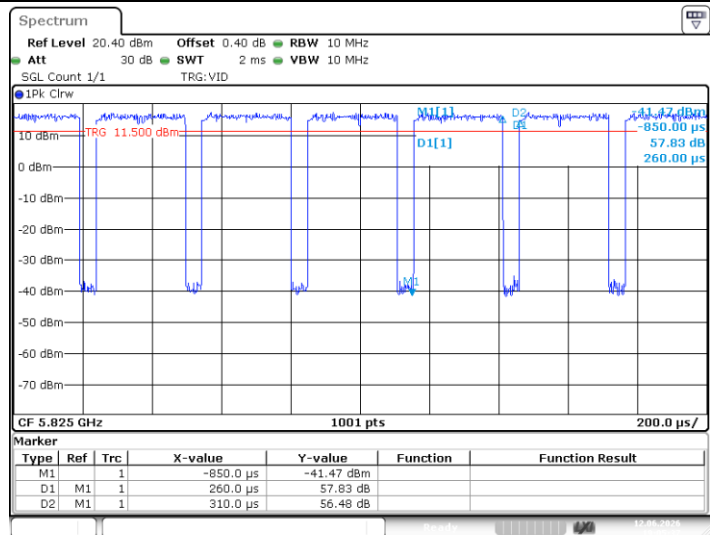


Date: 12.JUN.2026 18:38:35

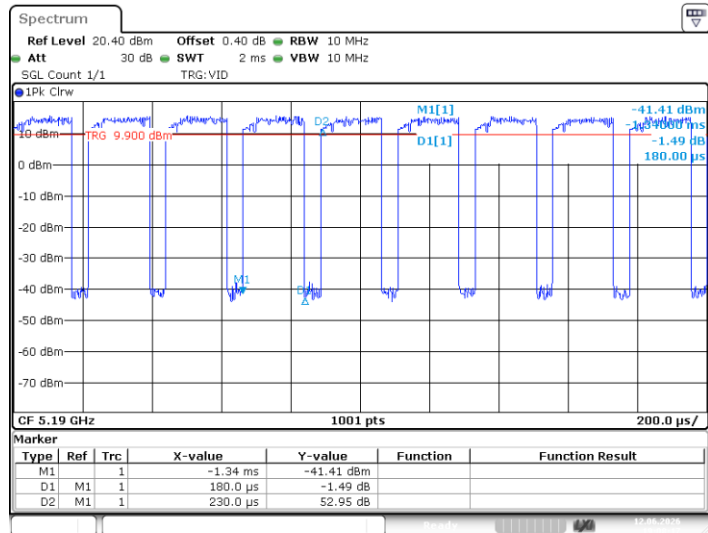
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825

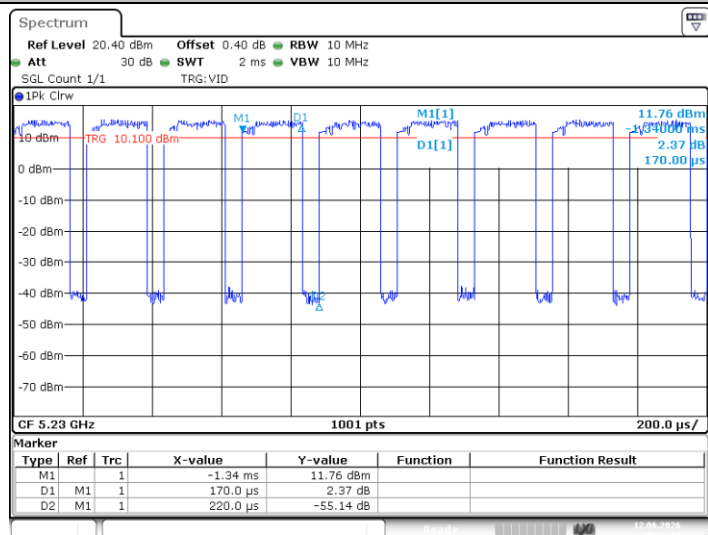


11AC40SISO_Ant1_5190



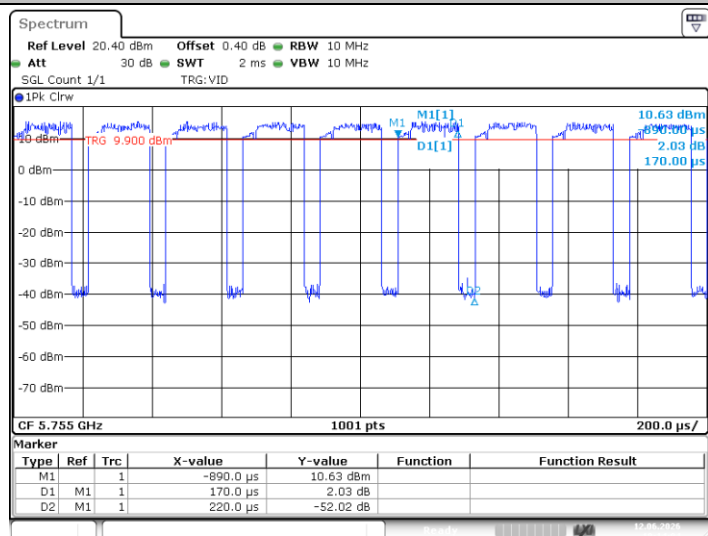
Date: 12.JUN.2026 19:08:18

11AC40SISO_Ant1_5230



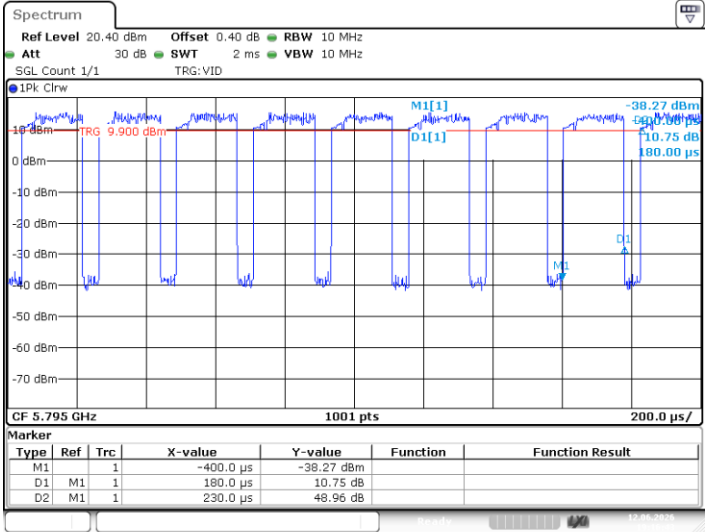
Date: 12.JUN.2026 19:11:09

11AC40SISO_Ant1_5755



Date: 12.JUN.2026 19:14:03

11AC40SISO_Ant1_5795



Date: 12.JUN.2026 19:16:44

Appendix C: Maximum conducted output power

Test Result

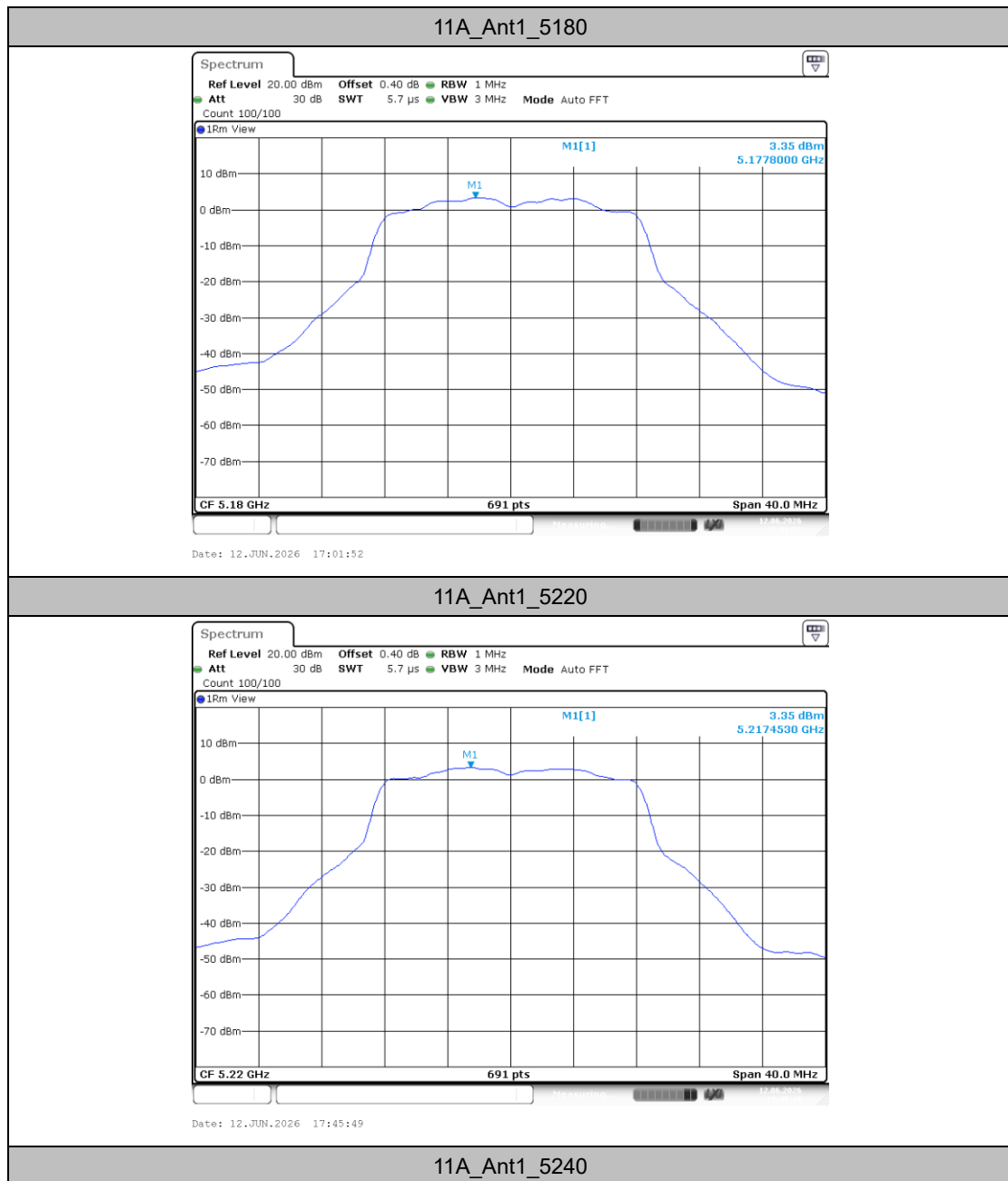
Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	13.74	75	1.25	14.99	≤23.98	PASS
		5220	13.92	75	1.25	15.17	≤23.98	PASS
		5240	13.84	78.95	1.03	14.87	≤23.98	PASS
		5745	13.64	78.95	1.03	14.67	≤30.00	PASS
		5785	13.67	75	1.25	14.92	≤30.00	PASS
		5825	13.25	75	1.25	14.5	≤30.00	PASS
11N20SISO	Ant1	5180	13.71	77.27	1.12	14.83	≤23.98	PASS
		5220	14.02	77.27	1.12	15.14	≤23.98	PASS
		5240	13.91	77.27	1.12	15.03	≤23.98	PASS
		5745	13.78	78.26	1.06	14.84	≤30.00	PASS
		5785	13.83	81.82	0.87	14.7	≤30.00	PASS
		5825	13.41	77.27	1.12	14.53	≤30.00	PASS
11N40SISO	Ant1	5190	13.93	78.26	1.06	14.99	≤23.98	PASS
		5230	14.14	81.82	0.87	15.01	≤23.98	PASS
		5755	13.94	81.82	0.87	14.81	≤30.00	PASS
		5795	13.83	78.26	1.06	14.89	≤30.00	PASS
11AC20SISO	Ant1	5180	13.79	86.67	0.62	14.41	≤23.98	PASS
		5220	14.15	86.67	0.62	14.77	≤23.98	PASS
		5240	14.07	86.67	0.62	14.69	≤23.98	PASS
		5745	13.97	83.87	0.76	14.73	≤30.00	PASS
		5785	13.94	83.87	0.76	14.7	≤30.00	PASS
		5825	13.56	83.87	0.76	14.32	≤30.00	PASS
11AC40SISO	Ant1	5190	13.5	78.26	1.06	14.56	≤23.98	PASS
		5230	13.73	77.27	1.12	14.85	≤23.98	PASS
		5755	13.54	77.27	1.12	14.66	≤30.00	PASS
		5795	13.5	78.26	1.06	14.56	≤30.00	PASS

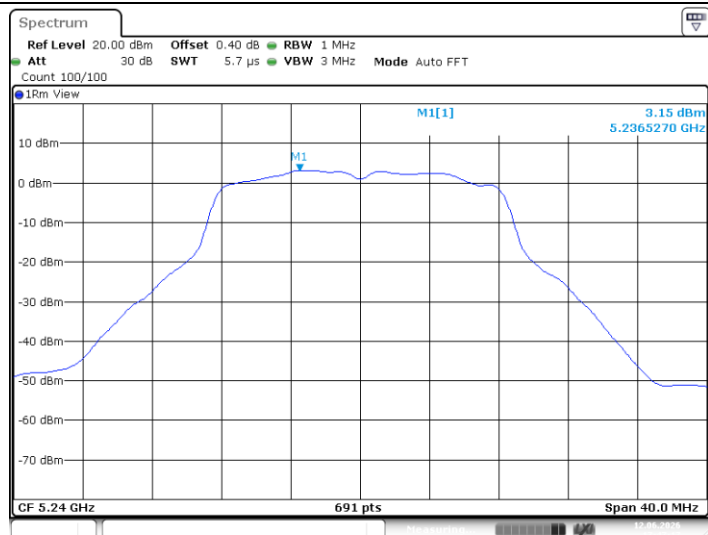
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	RawData [dBm/MHz]	DC Factor [dBm]	RBW Factor [dBm]	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	3.35	1.25	0.00	4.60	≤11.00	PASS
		5220	3.35	1.25	0.00	4.60	≤11.00	PASS
		5240	3.15	1.03	0.00	4.18	≤11.00	PASS
		5745	0.01	1.03	0.00	1.04	≤30.00	PASS
		5785	-0.52	1.25	0.00	0.73	≤30.00	PASS
		5825	-0.97	1.25	0.00	0.28	≤30.00	PASS
11N20SISO	Ant1	5180	2.83	1.12	0.00	3.95	≤11.00	PASS
		5220	2.97	1.12	0.00	4.09	≤11.00	PASS
		5240	2.93	1.12	0.00	4.05	≤11.00	PASS
		5745	-0.79	1.06	0.00	0.27	≤30.00	PASS
		5785	-0.49	0.87	0.00	0.38	≤30.00	PASS
		5825	-0.64	1.12	0.00	0.48	≤30.00	PASS
11N40SISO	Ant1	5190	0.53	1.06	0.00	1.59	≤11.00	PASS
		5230	0.37	0.87	0.00	1.24	≤11.00	PASS
		5755	-3.28	0.87	0.00	-2.41	≤30.00	PASS
		5795	-3.38	1.06	0.00	-2.32	≤30.00	PASS
11AC20SISO	Ant1	5180	3.03	0.62	0.00	3.65	≤11.00	PASS
		5220	3.1	0.62	0.00	3.72	≤11.00	PASS
		5240	2.95	0.62	0.00	3.57	≤11.00	PASS
		5745	-0.49	0.76	0.00	0.27	≤30.00	PASS
		5785	-0.64	0.76	0.00	0.12	≤30.00	PASS
		5825	-1.12	0.76	0.00	-0.36	≤30.00	PASS
11AC40SISO	Ant1	5190	-0.42	1.06	0.00	0.64	≤11.00	PASS
		5230	-0.26	1.12	0.00	0.86	≤11.00	PASS
		5755	-3.92	1.12	0.00	-2.80	≤30.00	PASS
		5795	-3.39	1.06	0.00	-2.33	≤30.00	PASS

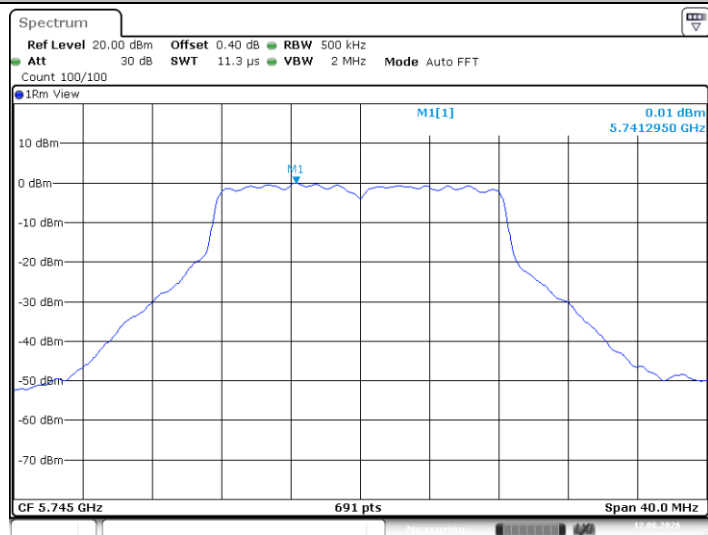
Test Graphs





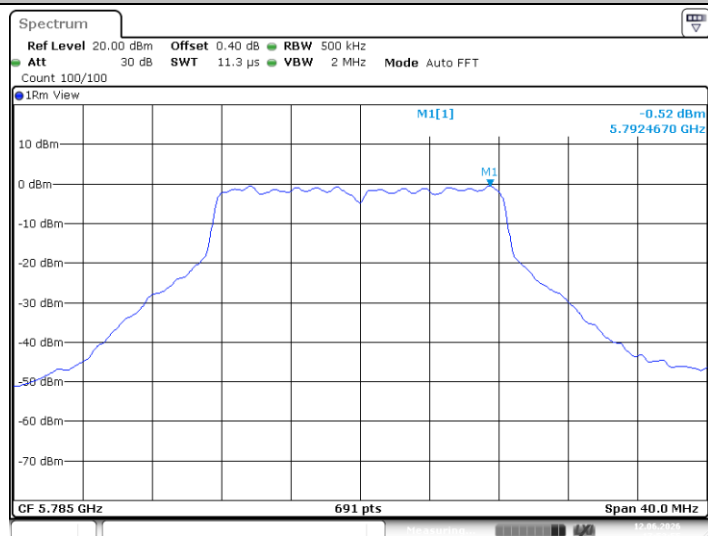
Date: 12.JUN.2026 17:47:17

11A_Ant1_5745

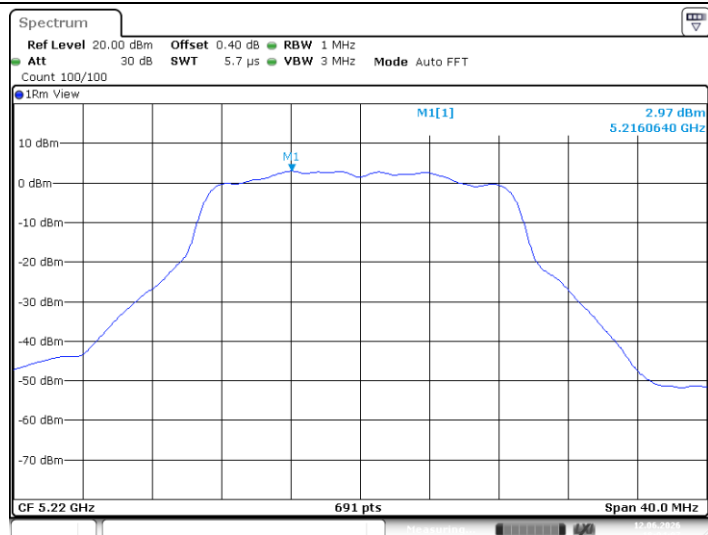


Date: 12.JUN.2026 17:50:21

11A_Ant1_5785

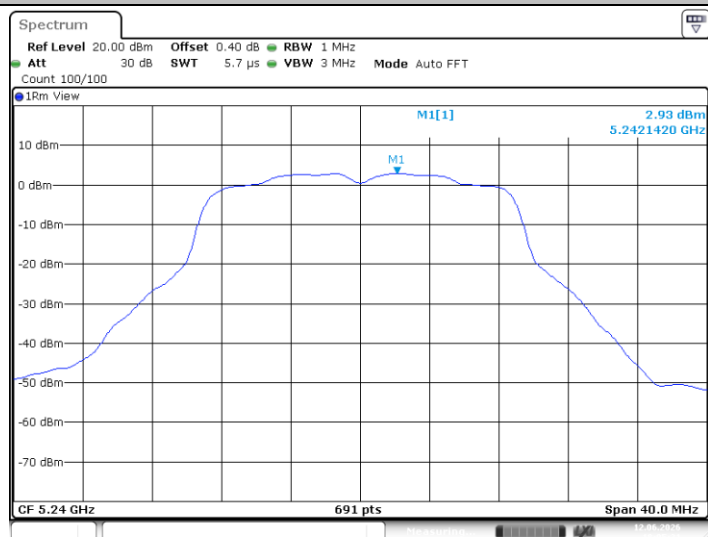


Date: 12.JUN.2026 17:53:54



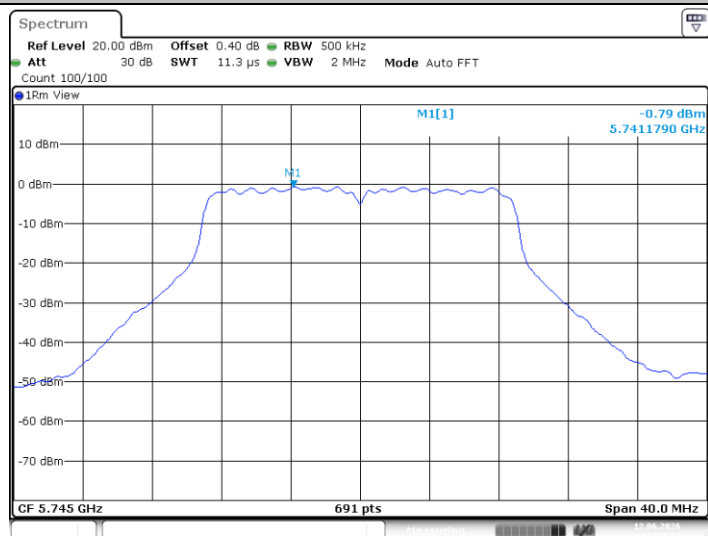
Date: 12.JUN.2026 18:04:07

11N20SISO_Ant1_5240



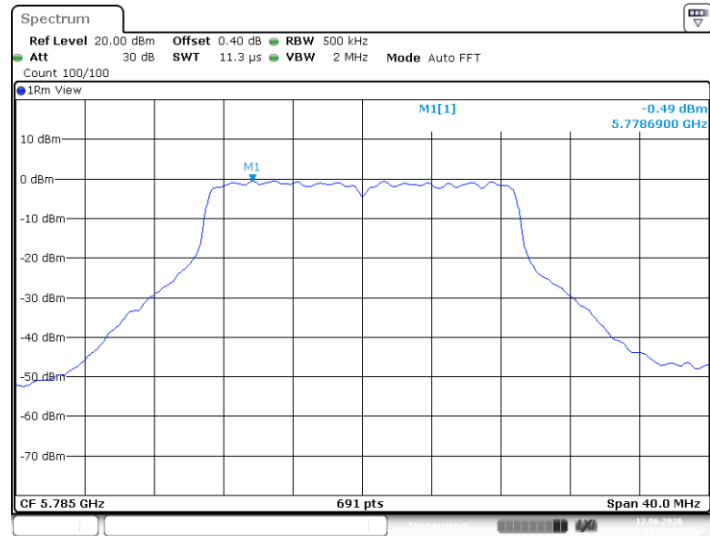
Date: 12.JUN.2026 18:05:32

11N20SISO_Ant1_5745



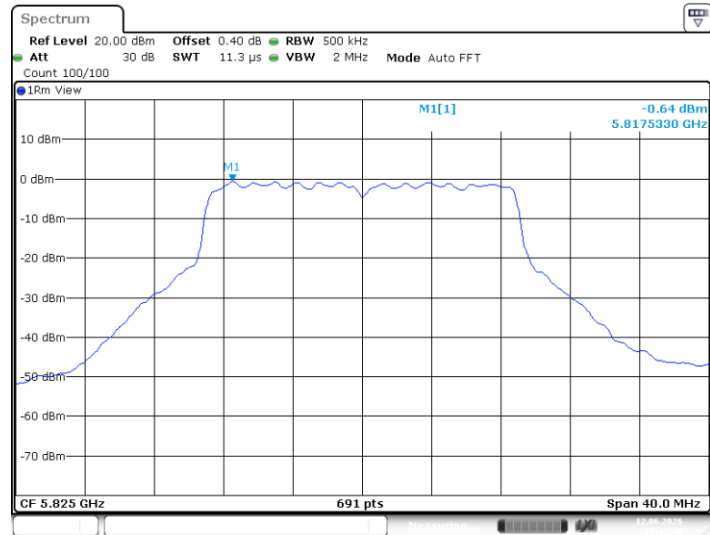
Date: 12.JUN.2026 18:08:28

11N20SISO_Ant1_5785



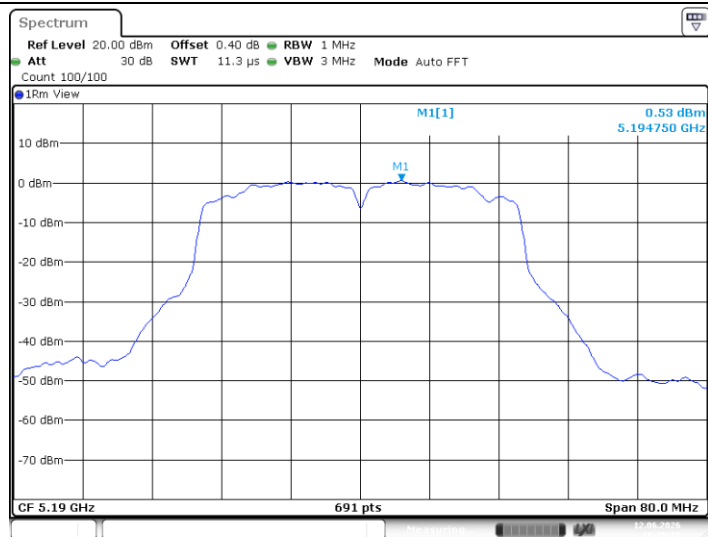
Date: 12.JUN.2026 18:11:15

11N20SISO_Ant1_5825



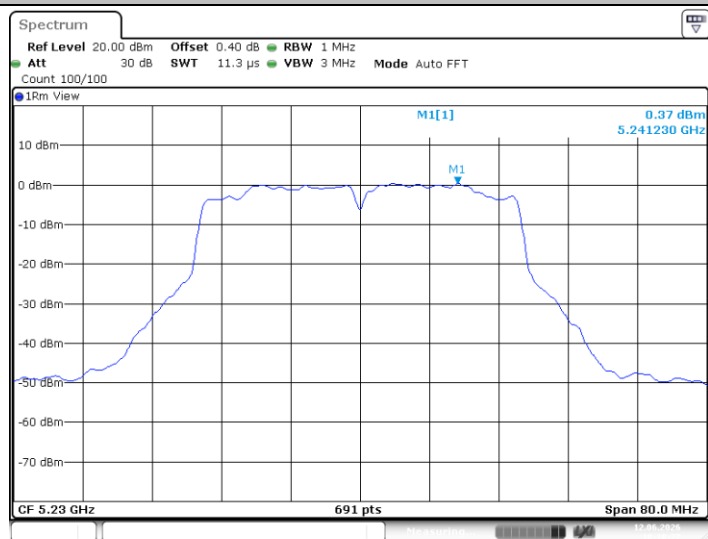
Date: 12.JUN.2026 18:12:47

11N40SISO_Ant1_5190



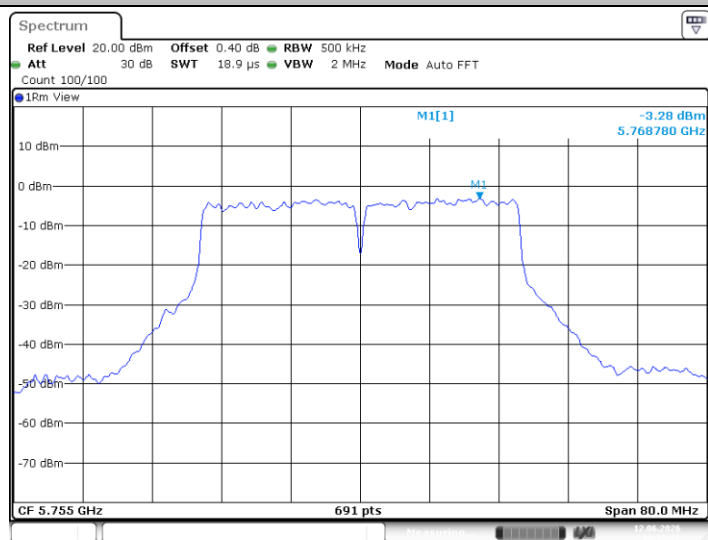
Date: 12.JUN.2026 18:15:38

11N40SISO_Ant1_5230



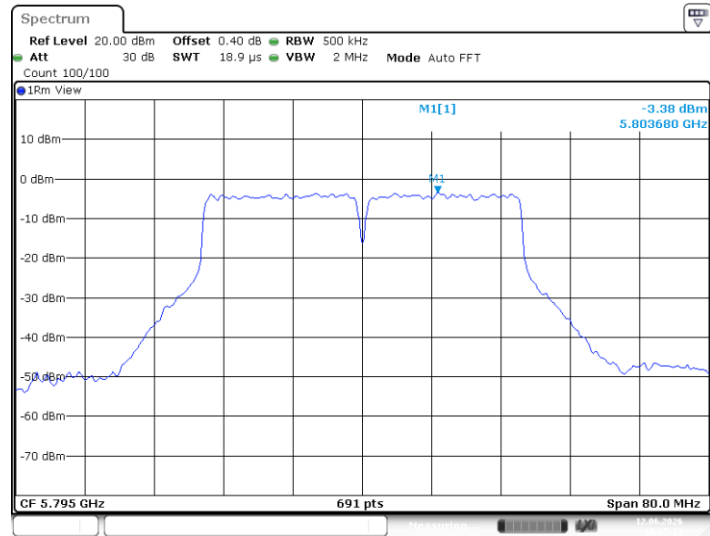
Date: 12.JUN.2026 18:18:27

11N40SISO_Ant1_5755



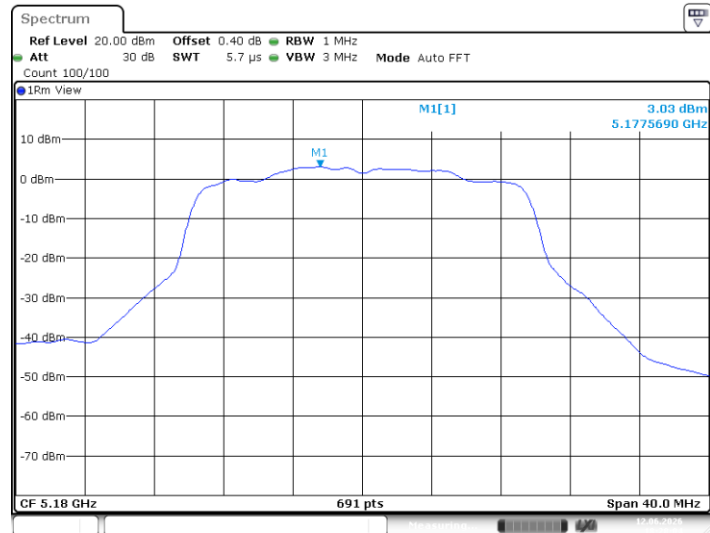
Date: 12.JUN.2026 18:22:22

11N40SISO_Ant1_5795



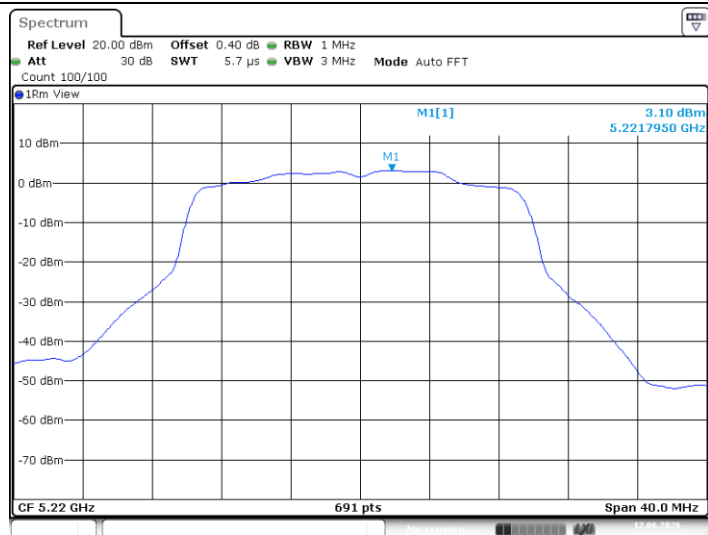
Date: 12.JUN.2026 18:25:13

11AC20SISO_Ant1_5180



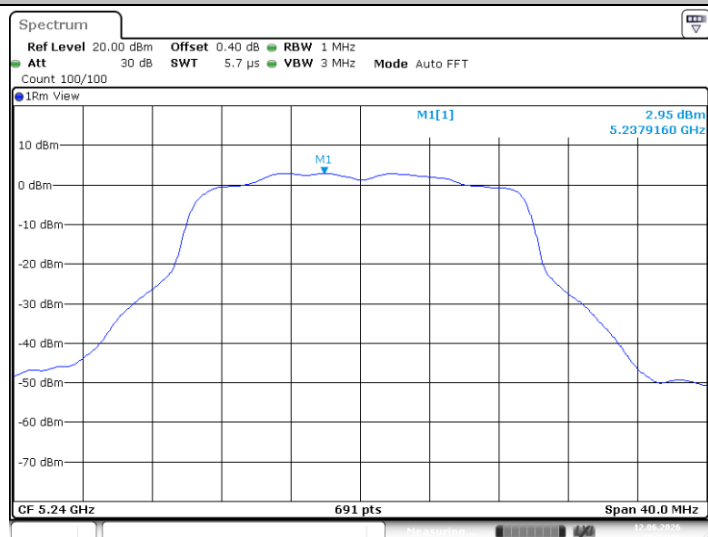
Date: 12.JUN.2026 18:28:05

11AC20SISO_Ant1_5220



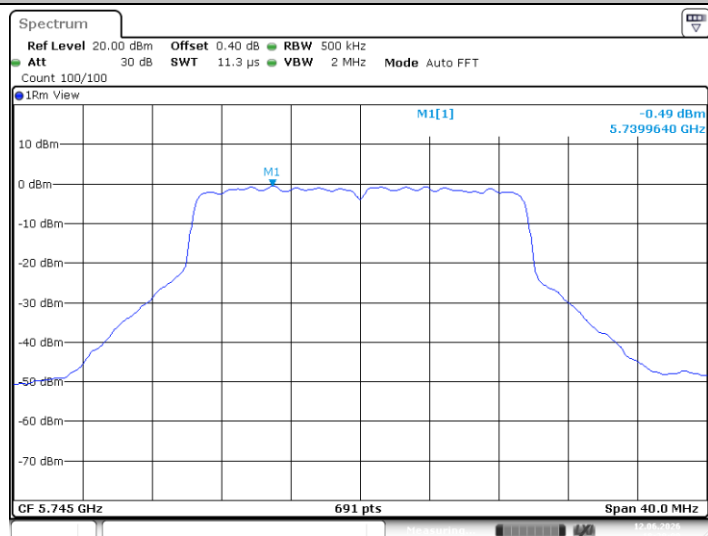
Date: 12.JUN.2026 18:31:41

11AC20SISO_Ant1_5240



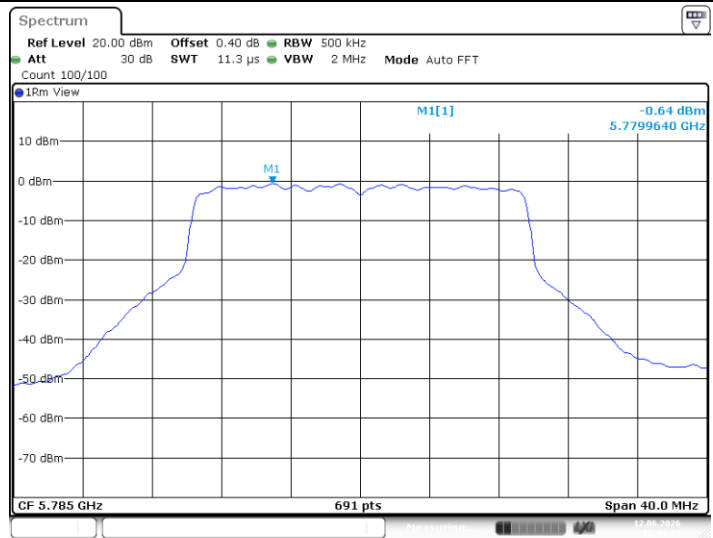
Date: 12.JUN.2026 18:33:46

11AC20SISO_Ant1_5745



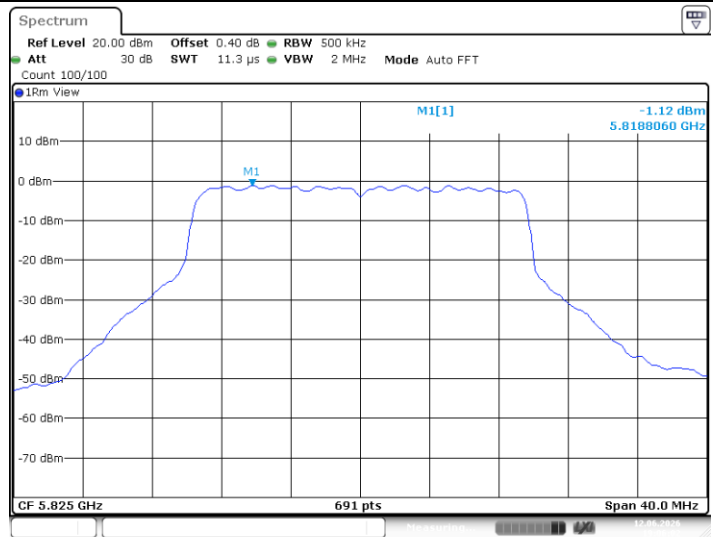
Date: 12.JUN.2026 18:38:59

11AC20SISO_Ant1_5785



Date: 12.JUN.2026 18:41:39

11AC20SISO_Ant1_5825



Date: 12.JUN.2026 19:06:02

11AC40SISO_Ant1_5190