

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

General Description of EUT	
EUT Name:	Portable Gaming Computer(Tablet computer)
Model:	AYANEO Pocket DMG
Sample ID:	HC-C-202410-0245-01-01-2#
Environmental Conditions	
Ambient Temperature:	24.5℃
Ambient Humidity:	47%RH
Test Power Supply:	DC 3.85V
Test Engineer:	Zkn.zhou
Note: For a more detailed features description, please refer to the report TBR-C-202410-0245-143	

Contents

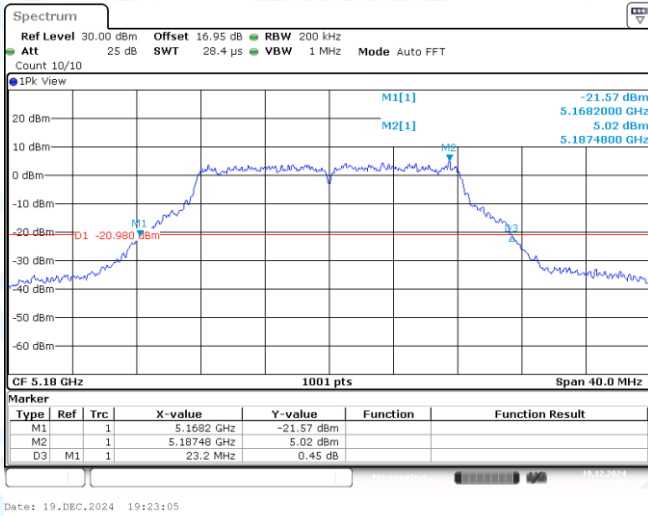
1: Emission Bandwidth	3
1.1 Test Result.....	3
1.2 Test Graphs	4
2: Occupied channel bandwidth.....	11
2.1 Test Result.....	11
2.2 Test Graphs	13
3: Min emission bandwidth	27
3.1 Test Result-B4.....	27
3.2 Test Graphs-B4.....	28
4: Duty Cycle.....	35
4.1 Test Result.....	35
4.2 Test Graphs	37
5: Maximum conducted output power	51
5.1 Test Result.....	51
6: Maximum power spectral density	54
6.1 Test Result.....	54
6.2 Test Graphs	57
7: Band edge measurements.....	71
7.1 Test Result B1.....	71
7.2 Test Graphs B1	72
8: Conducted Spurious Emission	78
8.1 Test Result.....	78
8.2 Test Graphs	82
9: Frequency Stability	109
9.1 Test Result.....	109
10: Emissions in Restricted Bands	114
10.1 Test Result.....	114
10.2 Test Graphs.....	127

1: Emission Bandwidth

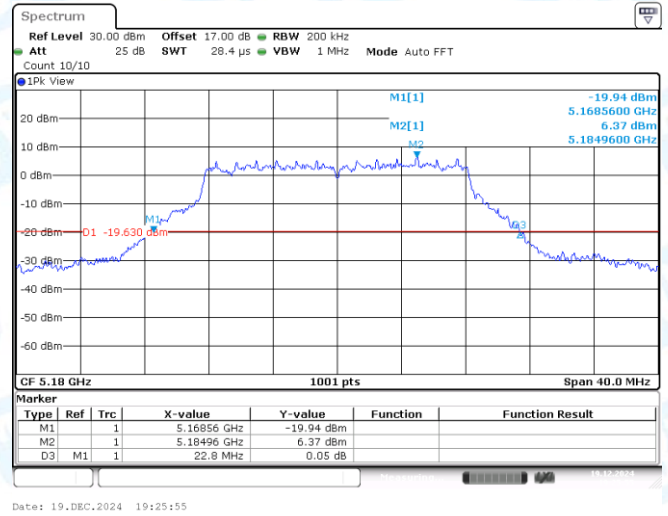
1.1 Test Result

TestMode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	23.20	5168.20	5191.40	---	---
11A-CDD	Ant2	5180	22.80	5168.56	5191.36	---	---
11A-CDD	Ant1	5200	23.08	5188.20	5211.28	---	---
11A-CDD	Ant2	5200	23.16	5188.24	5211.40	---	---
11A-CDD	Ant1	5240	23.40	5228.20	5251.60	---	---
11A-CDD	Ant2	5240	23.36	5228.00	5251.36	---	---
11N20MIMO	Ant1	5180	23.12	5168.28	5191.40	---	---
11N20MIMO	Ant2	5180	24.12	5167.84	5191.96	---	---
11N20MIMO	Ant1	5200	23.76	5187.92	5211.68	---	---
11N20MIMO	Ant2	5200	23.60	5188.04	5211.64	---	---
11N20MIMO	Ant1	5240	23.32	5228.24	5251.56	---	---
11N20MIMO	Ant2	5240	23.56	5228.00	5251.56	---	---
11N40MIMO	Ant1	5190	45.20	5167.52	5212.72	---	---
11N40MIMO	Ant2	5190	43.84	5168.00	5211.84	---	---
11N40MIMO	Ant1	5230	46.00	5206.80	5252.80	---	---
11N40MIMO	Ant2	5230	45.20	5207.12	5252.32	---	---
11AC20MIMO	Ant1	5180	23.32	5168.28	5191.60	---	---
11AC20MIMO	Ant2	5180	23.24	5168.36	5191.60	---	---
11AC20MIMO	Ant1	5200	23.20	5188.32	5211.52	---	---
11AC20MIMO	Ant2	5200	23.96	5187.64	5211.60	---	---
11AC20MIMO	Ant1	5240	23.64	5228.04	5251.68	---	---
11AC20MIMO	Ant2	5240	23.60	5228.00	5251.60	---	---
11AC40MIMO	Ant1	5190	45.28	5166.96	5212.24	---	---
11AC40MIMO	Ant2	5190	45.28	5167.36	5212.64	---	---
11AC40MIMO	Ant1	5230	44.88	5207.52	5252.40	---	---
11AC40MIMO	Ant2	5230	45.20	5207.44	5252.64	---	---
11AC80MIMO	Ant1	5210	83.84	5168.56	5252.40	---	---
11AC80MIMO	Ant2	5210	83.52	5167.60	5251.12	---	---
11AX20MIMO	Ant1	5180	23.20	5168.28	5191.48	---	---
11AX20MIMO	Ant2	5180	23.84	5167.92	5191.76	---	---
11AX20MIMO	Ant1	5200	23.32	5188.12	5211.44	---	---
11AX20MIMO	Ant2	5200	23.16	5188.20	5211.36	---	---
11AX20MIMO	Ant1	5240	23.36	5228.28	5251.64	---	---
11AX20MIMO	Ant2	5240	23.56	5227.84	5251.40	---	---
11AX40MIMO	Ant1	5190	43.60	5168.40	5212.00	---	---
11AX40MIMO	Ant2	5190	42.48	5168.80	5211.28	---	---
11AX40MIMO	Ant1	5230	43.68	5208.72	5252.40	---	---
11AX40MIMO	Ant2	5230	44.48	5207.76	5252.24	---	---
11AX80MIMO	Ant1	5210	82.56	5168.88	5251.44	---	---
11AX80MIMO	Ant2	5210	84.64	5167.44	5252.08	---	---

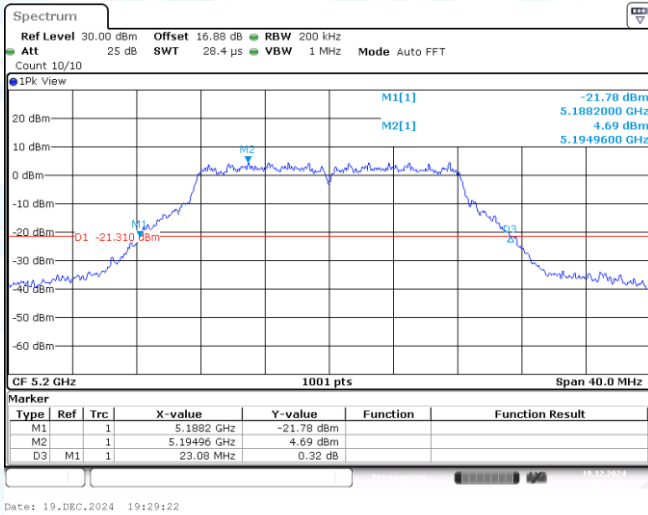
1.2 Test Graphs



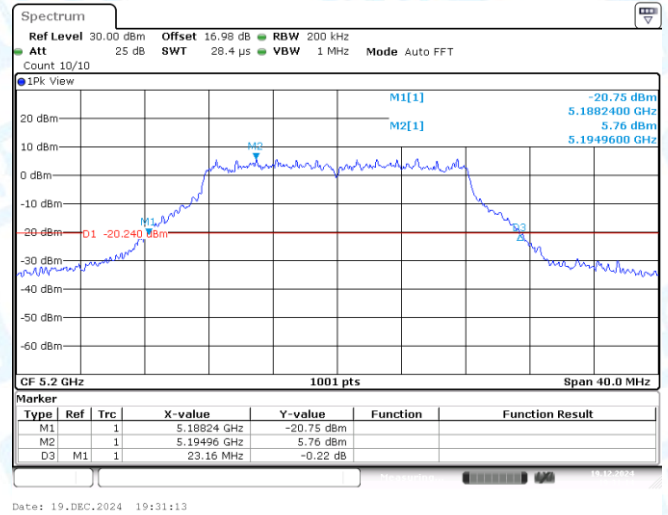
11A-CDD-Ant1-5180



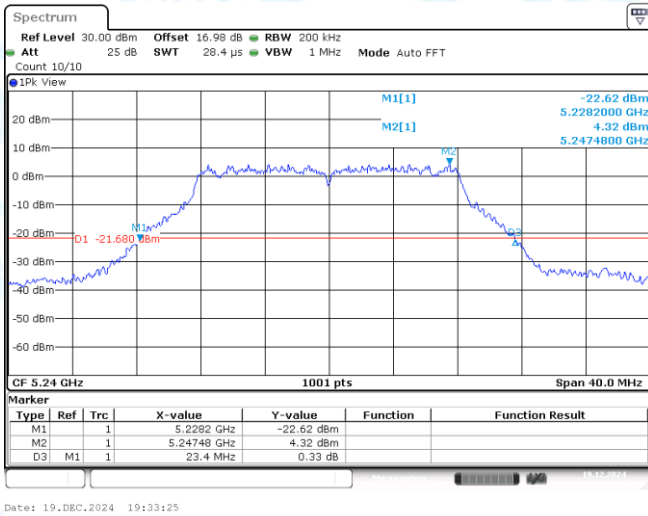
11A-CDD-Ant2-5180



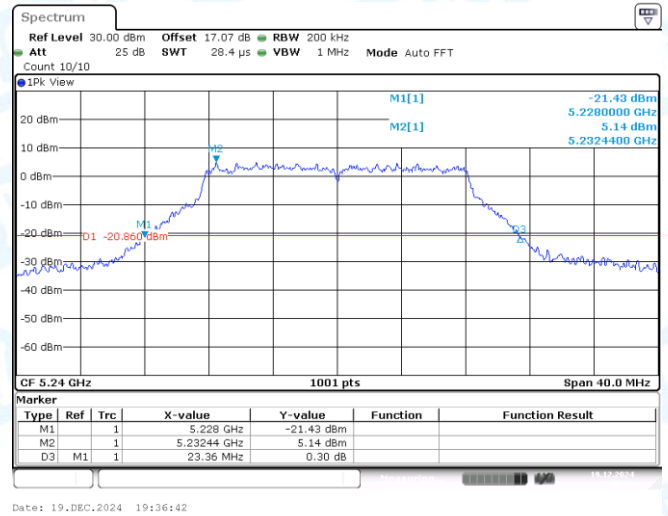
11A-CDD-Ant1-5200



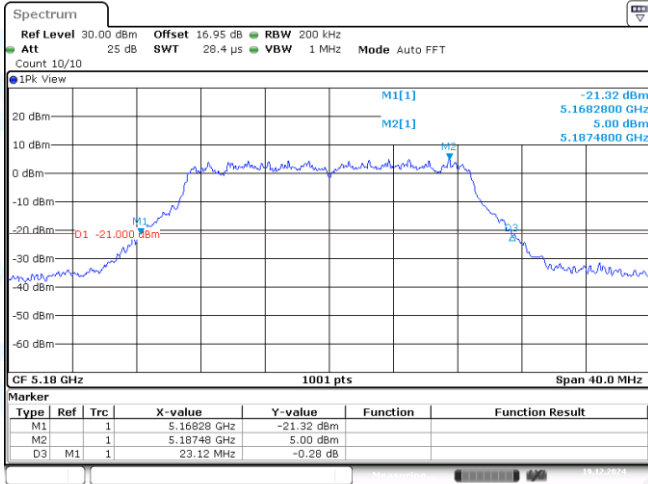
11A-CDD-Ant2-5200



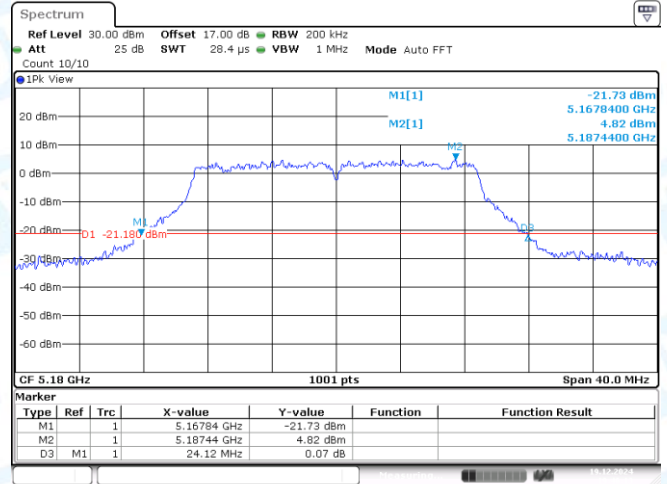
11A-CDD-Ant1-5240



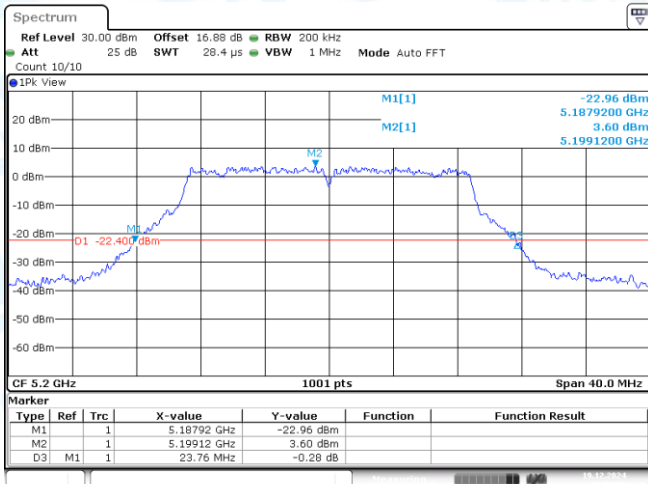
11A-CDD-Ant2-5240



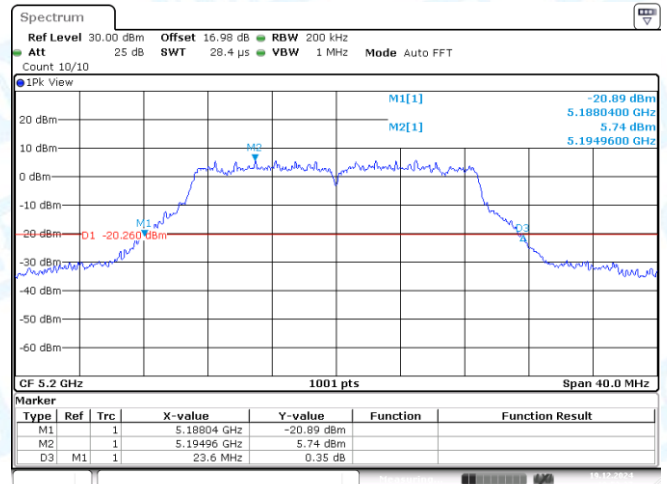
11N20MIMO-Ant1-5180



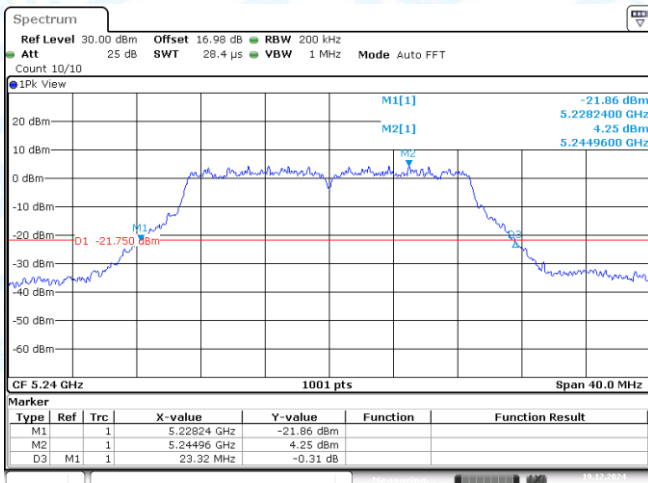
11N20MIMO-Ant2-5180



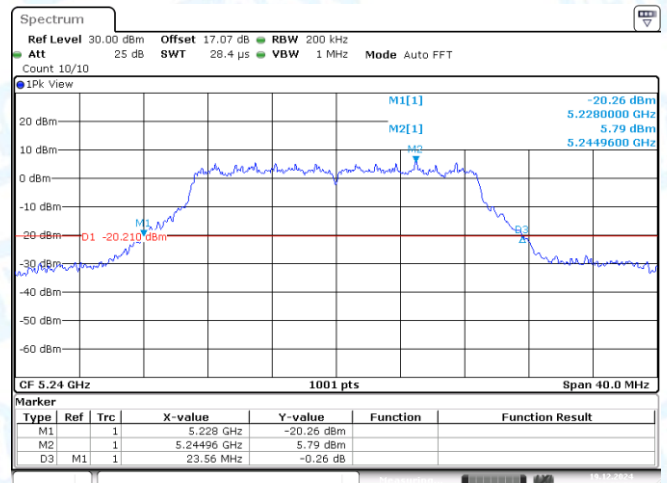
11N20MIMO-Ant1-5200



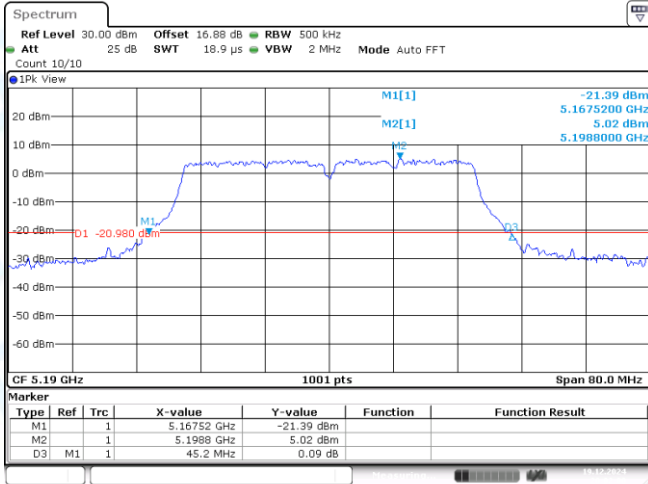
11N20MIMO-Ant2-5200



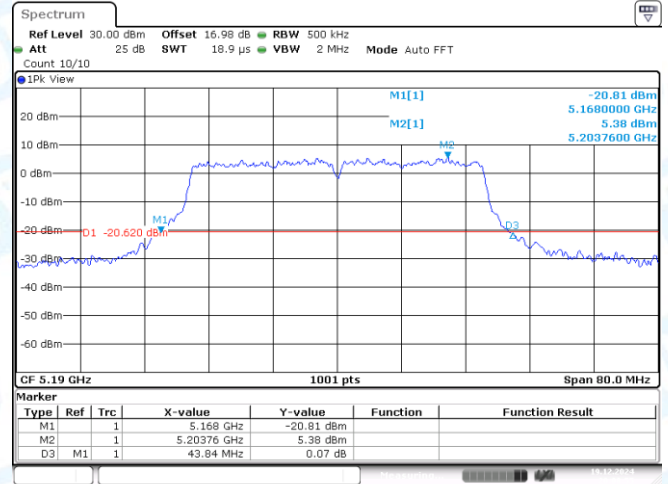
11N20MIMO-Ant1-5240



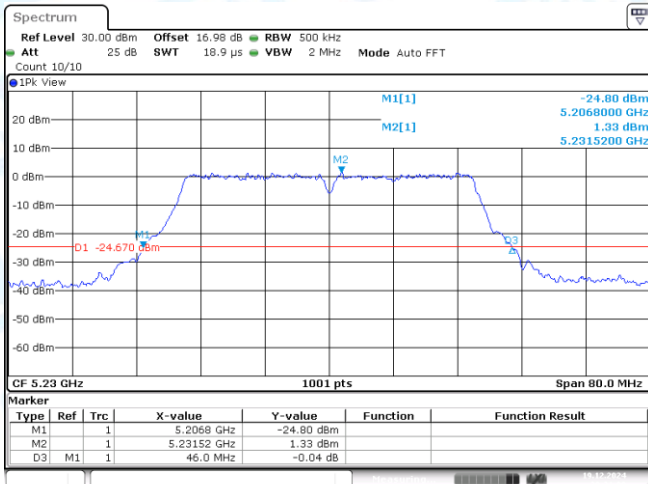
11N20MIMO-Ant2-5240



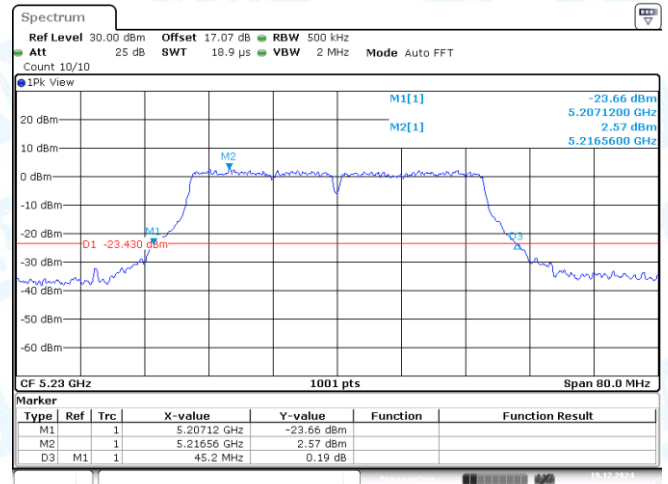
11N40MIMO-Ant1-5190



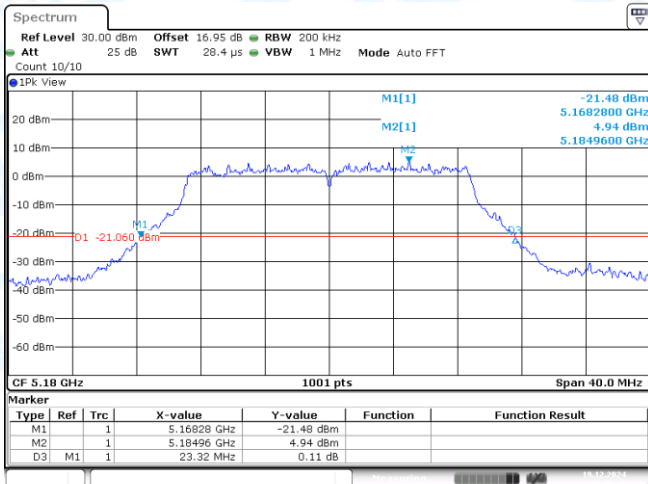
11N40MIMO-Ant2-5190



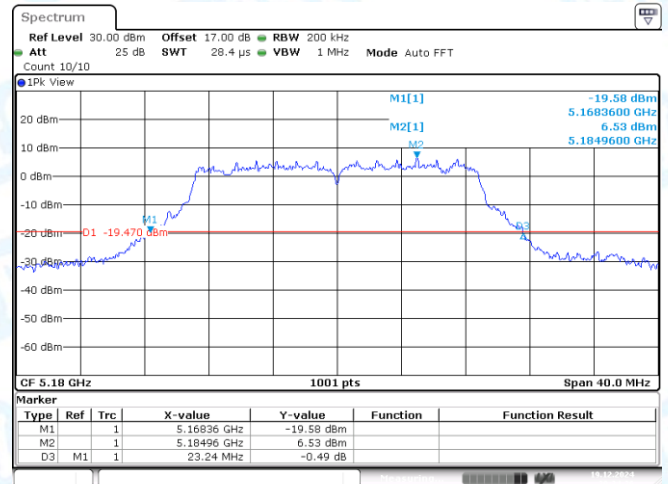
11N40MIMO-Ant1-5230



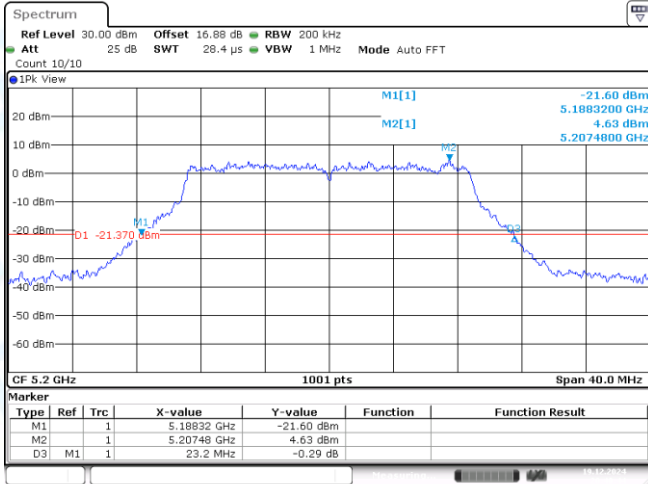
11N40MIMO-Ant2-5230



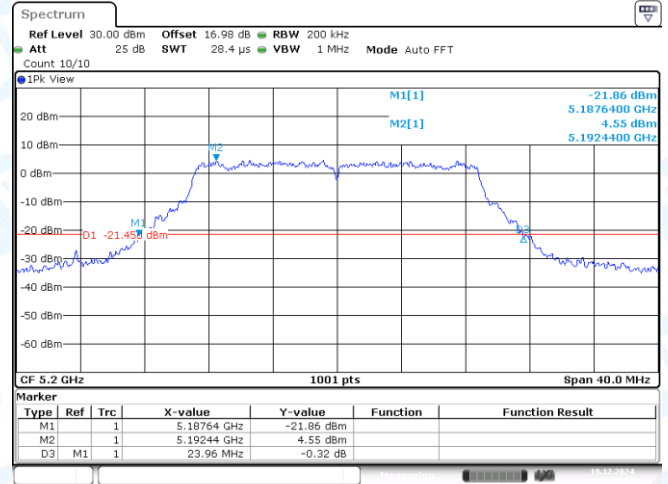
11AC20MIMO-Ant1-5180



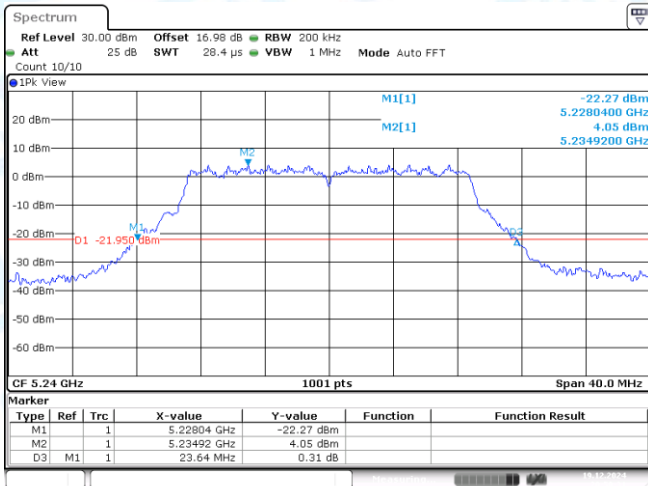
11AC20MIMO-Ant2-5180



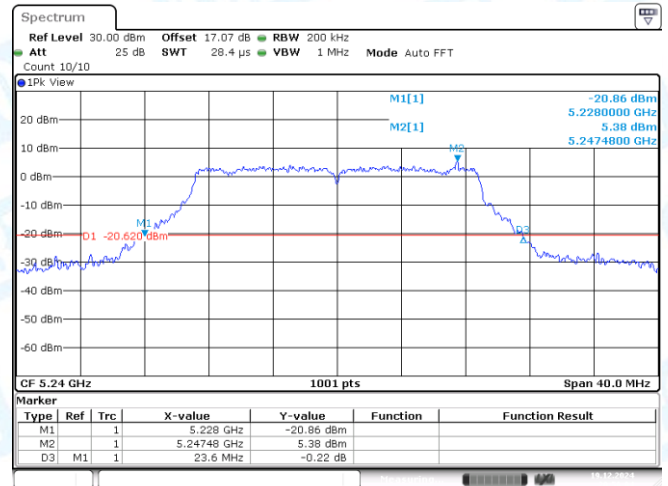
11AC20MIMO-Ant1-5200



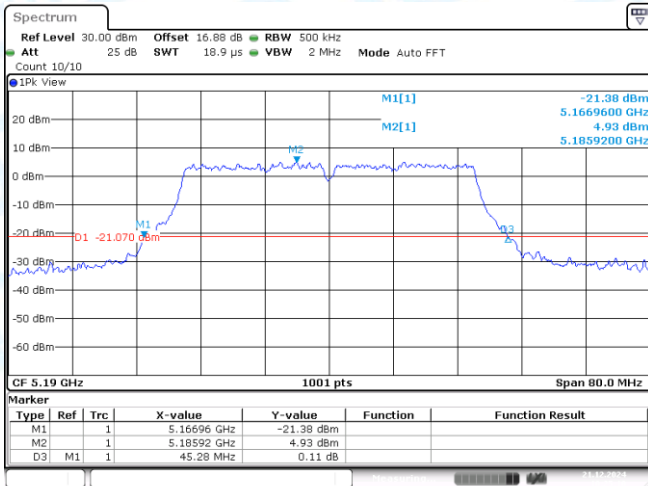
11AC20MIMO-Ant2-5200



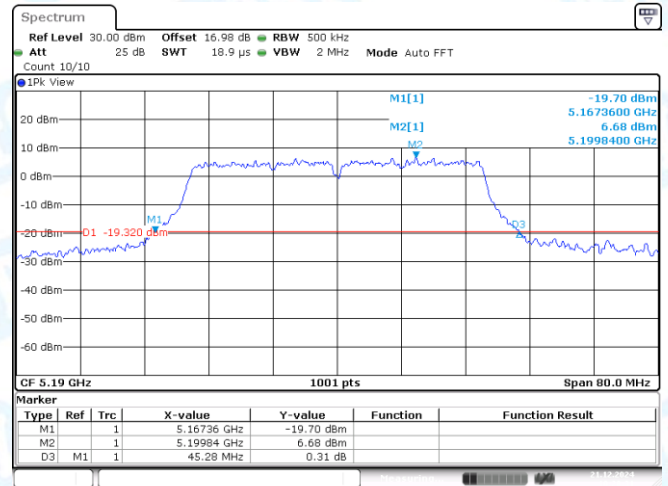
11AC20MIMO-Ant1-5240



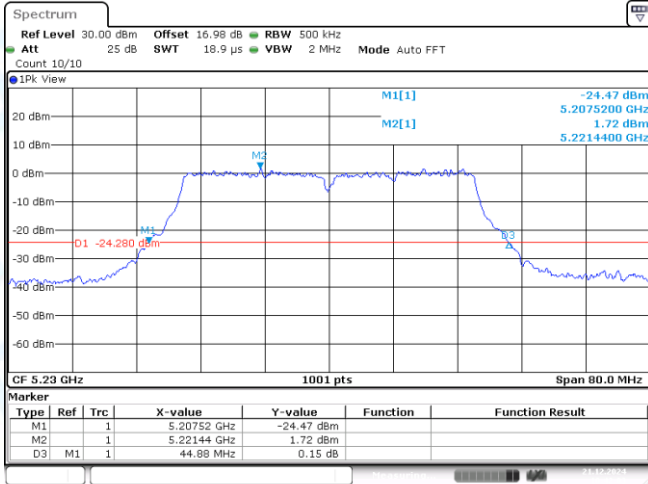
11AC20MIMO-Ant2-5240



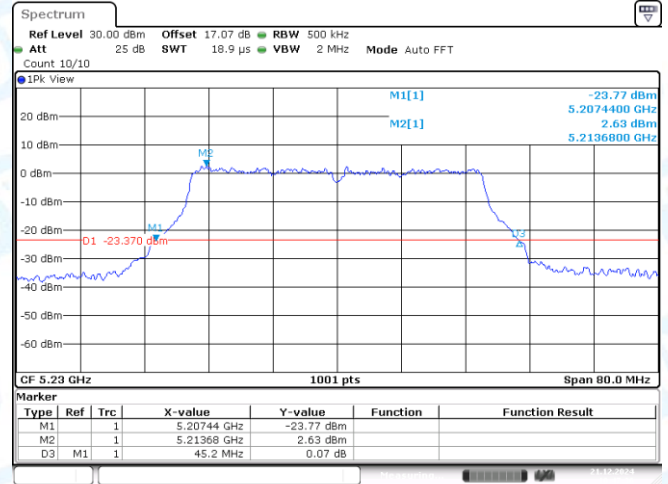
11AC40MIMO-Ant1-5190



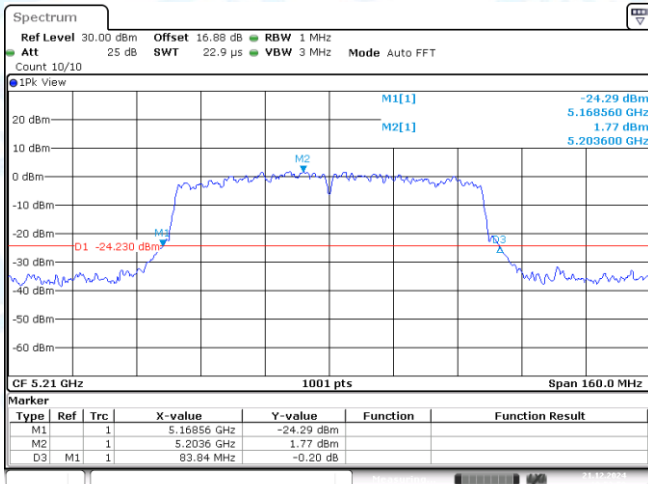
11AC40MIMO-Ant2-5190



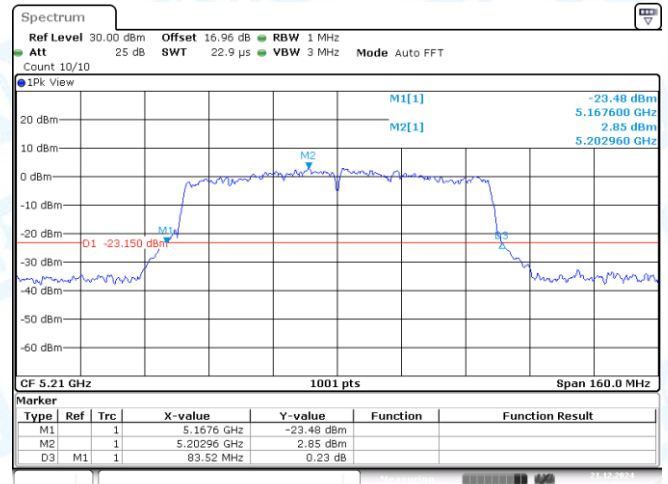
11AC40MIMO-Ant1-5230



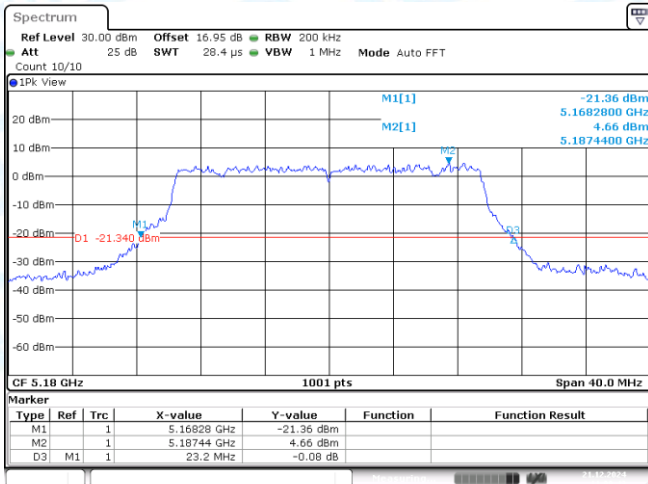
11AC40MIMO-Ant2-5230



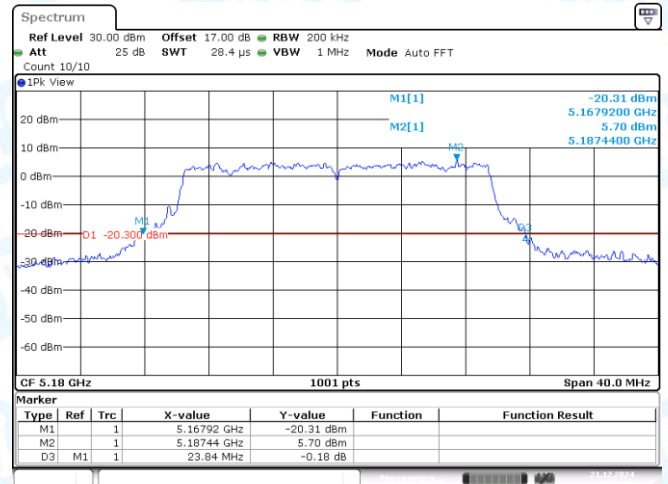
11AC80MIMO-Ant1-5210



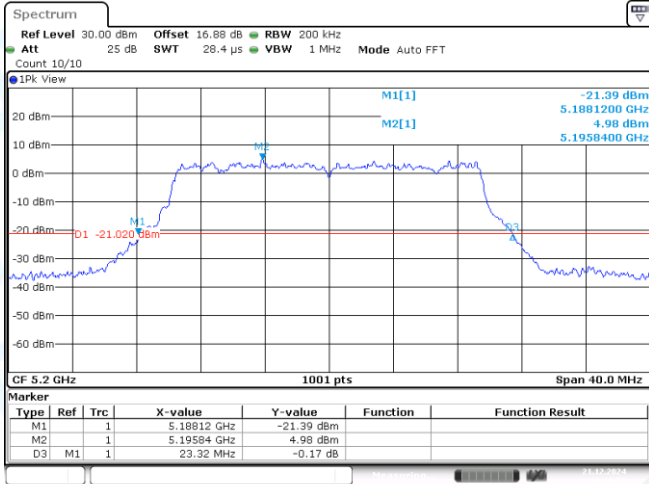
11AC80MIMO-Ant2-5210



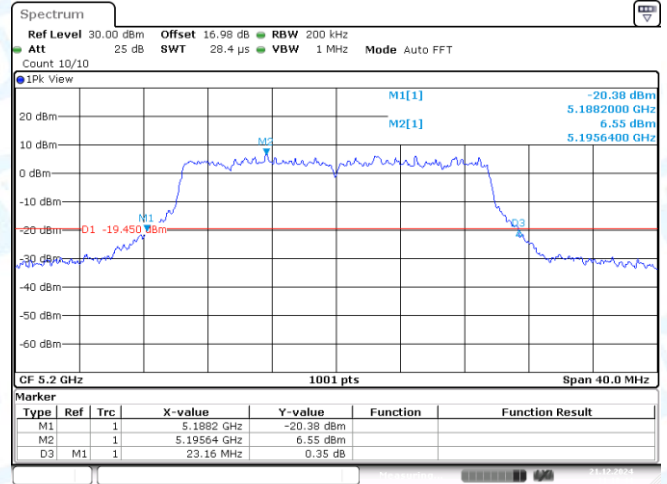
11AX20MIMO-Ant1-5180



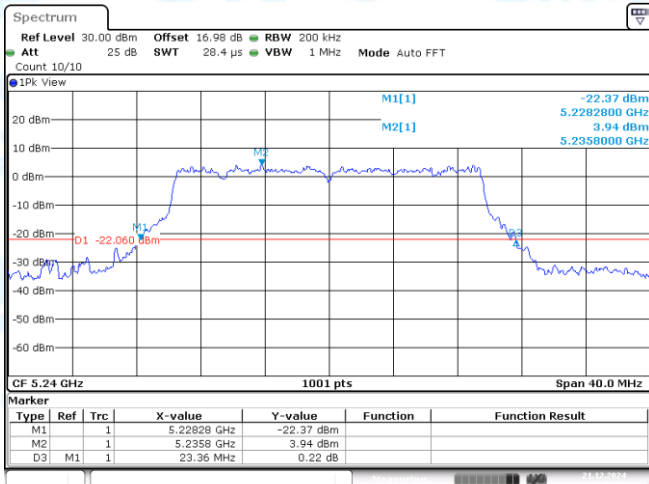
11AX20MIMO-Ant2-5180



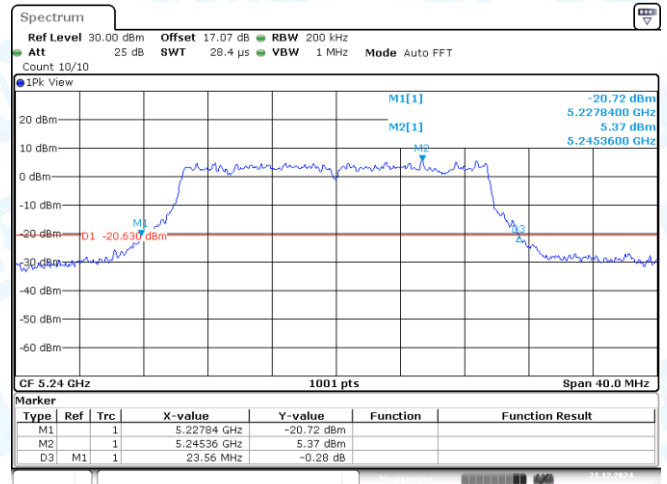
11AX20MIMO-Ant1-5200



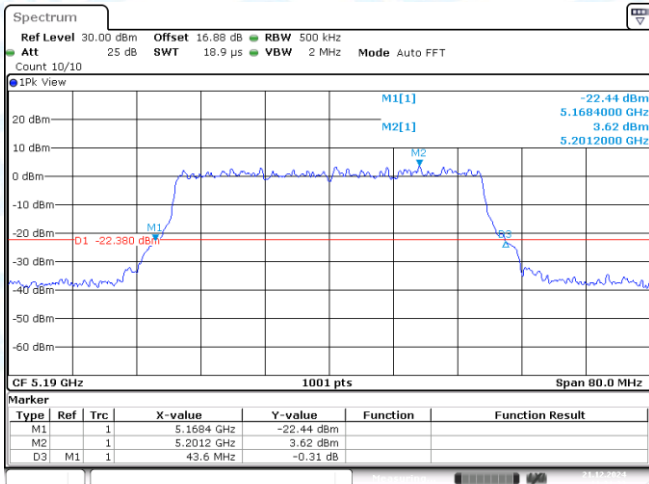
11AX20MIMO-Ant2-5200



11AX20MIMO-Ant1-5240



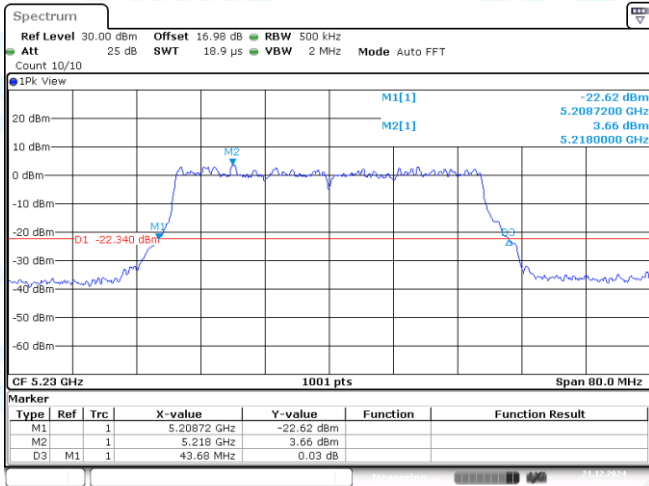
11AX20MIMO-Ant2-5240



11AX40MIMO-Ant1-5190



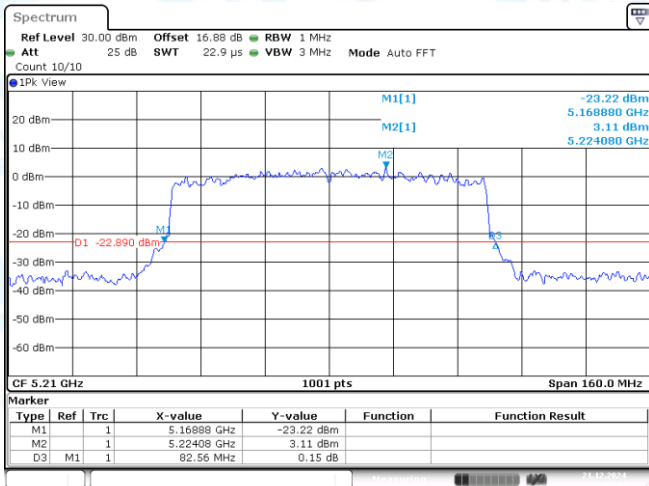
11AX40MIMO-Ant2-5190



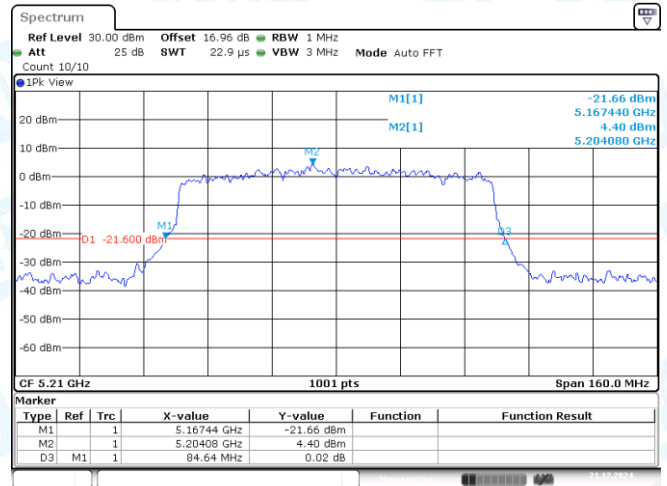
11AX40MIMO-Ant1-5230



11AX40MIMO-Ant2-5230



11AX80MIMO-Ant1-5210



11AX80MIMO-Ant2-5210

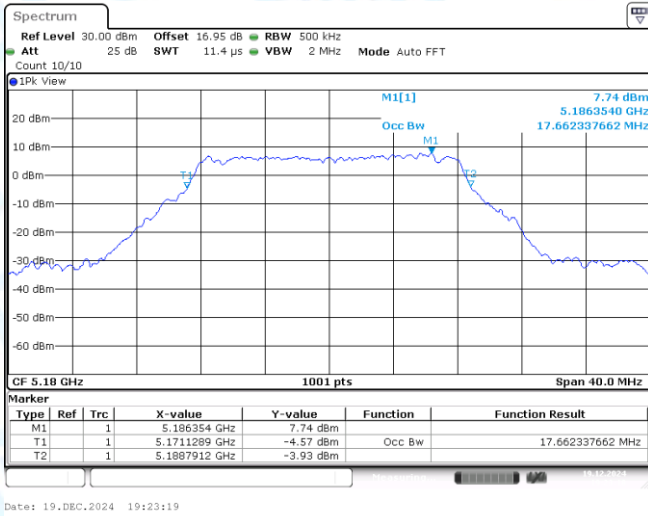
2: Occupied channel bandwidth

2.1 Test Result

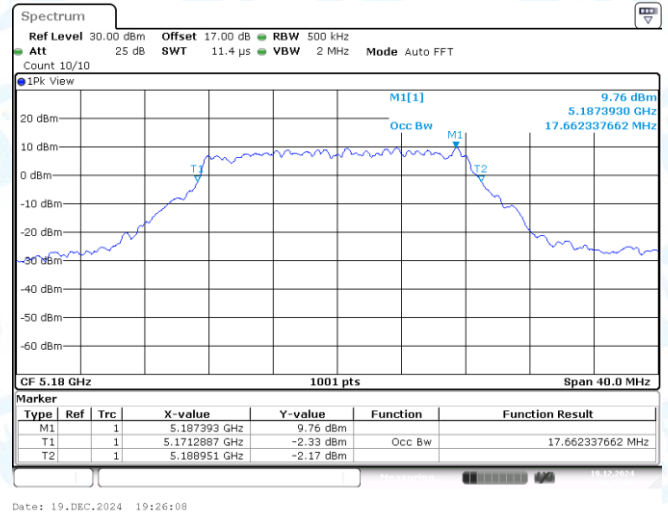
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	17.662	5171.1289	5188.7912	---	---
11A-CDD	Ant2	5180	17.662	5171.2887	5188.9510	---	---
11A-CDD	Ant1	5200	18.062	5191.0490	5209.1109	---	---
11A-CDD	Ant2	5200	17.502	5191.1688	5208.6713	---	---
11A-CDD	Ant1	5240	17.822	5231.1289	5248.9510	---	---
11A-CDD	Ant2	5240	17.742	5231.1289	5248.8711	---	---
11A-CDD	Ant1	5745	18.102	5735.7692	5753.8711	---	---
11A-CDD	Ant2	5745	17.742	5736.0090	5753.7512	---	---
11A-CDD	Ant1	5785	18.621	5775.5694	5794.1908	---	---
11A-CDD	Ant2	5785	18.342	5775.7293	5794.0709	---	---
11A-CDD	Ant1	5825	18.022	5815.9690	5833.9910	---	---
11A-CDD	Ant2	5825	18.262	5815.9690	5834.2308	---	---
11N20MIMO	Ant1	5180	18.382	5170.8092	5189.1908	---	---
11N20MIMO	Ant2	5180	18.422	5170.7293	5189.1508	---	---
11N20MIMO	Ant1	5200	18.701	5190.6893	5209.3906	---	---
11N20MIMO	Ant2	5200	18.661	5190.6893	5209.3506	---	---
11N20MIMO	Ant1	5240	18.861	5230.4496	5249.3107	---	---
11N20MIMO	Ant2	5240	18.581	5230.6094	5249.1908	---	---
11N20MIMO	Ant1	5745	18.821	5735.5694	5754.3906	---	---
11N20MIMO	Ant2	5745	19.141	5735.3297	5754.4705	---	---
11N20MIMO	Ant1	5785	18.901	5775.4895	5794.3906	---	---
11N20MIMO	Ant2	5785	19.341	5775.2897	5794.6304	---	---
11N20MIMO	Ant1	5825	18.741	5815.6094	5834.3506	---	---
11N20MIMO	Ant2	5825	18.901	5815.5295	5834.4306	---	---
11N40MIMO	Ant1	5190	37.323	5171.2987	5208.6214	---	---
11N40MIMO	Ant2	5190	36.843	5171.5385	5208.3816	---	---
11N40MIMO	Ant1	5230	37.403	5211.2987	5248.7013	---	---
11N40MIMO	Ant2	5230	36.923	5211.3786	5248.3017	---	---
11N40MIMO	Ant1	5755	38.202	5735.8991	5774.1009	---	---
11N40MIMO	Ant2	5755	38.841	5736.0589	5774.9001	---	---
11N40MIMO	Ant1	5795	37.722	5776.1389	5813.8611	---	---
11N40MIMO	Ant2	5795	37.722	5775.9790	5813.7013	---	---
11AC20MIMO	Ant1	5180	18.541	5170.6893	5189.2308	---	---
11AC20MIMO	Ant2	5180	18.581	5170.7293	5189.3107	---	---
11AC20MIMO	Ant1	5200	18.701	5190.7293	5209.4306	---	---
11AC20MIMO	Ant2	5200	18.701	5190.5295	5209.2308	---	---
11AC20MIMO	Ant1	5240	18.462	5230.6893	5249.1508	---	---
11AC20MIMO	Ant2	5240	18.581	5230.6893	5249.2707	---	---
11AC20MIMO	Ant1	5745	19.301	5735.2897	5754.5904	---	---
11AC20MIMO	Ant2	5745	19.62	5735.0899	5754.7103	---	---
11AC20MIMO	Ant1	5785	18.981	5775.4895	5794.4705	---	---

11AC20MIMO	Ant2	5785	19.141	5775.2098	5794.3506	---	---
11AC20MIMO	Ant1	5825	19.261	5815.4895	5834.7502	---	---
11AC20MIMO	Ant2	5825	18.821	5815.5295	5834.3506	---	---
11AC40MIMO	Ant1	5190	37.163	5171.5385	5208.7013	---	---
11AC40MIMO	Ant2	5190	37.083	5171.5385	5208.6214	---	---
11AC40MIMO	Ant1	5230	37.243	5211.5385	5248.7812	---	---
11AC40MIMO	Ant2	5230	37.083	5211.3786	5248.4615	---	---
11AC40MIMO	Ant1	5755	37.083	5736.2987	5773.3816	---	---
11AC40MIMO	Ant2	5755	37.642	5735.8991	5773.5415	---	---
11AC40MIMO	Ant1	5795	37.483	5776.2188	5813.7013	---	---
11AC40MIMO	Ant2	5795	37.483	5776.2987	5813.7812	---	---
11AC80MIMO	Ant1	5210	75.764	5172.2777	5248.0420	---	---
11AC80MIMO	Ant2	5210	75.604	5172.2777	5247.8821	---	---
11AC80MIMO	Ant1	5775	76.084	5737.1179	5813.2018	---	---
11AC80MIMO	Ant2	5775	76.084	5736.9580	5813.0420	---	---
11AX20MIMO	Ant1	5180	19.301	5170.2897	5189.5904	---	---
11AX20MIMO	Ant2	5180	19.261	5170.3297	5189.5904	---	---
11AX20MIMO	Ant1	5200	19.341	5190.2498	5209.5904	---	---
11AX20MIMO	Ant2	5200	19.5	5190.0500	5209.5504	---	---
11AX20MIMO	Ant1	5240	19.301	5230.2897	5249.5904	---	---
11AX20MIMO	Ant2	5240	19.421	5230.2098	5249.6304	---	---
11AX20MIMO	Ant1	5745	19.5	5735.0899	5754.5904	---	---
11AX20MIMO	Ant2	5745	19.54	5735.2098	5754.7502	---	---
11AX20MIMO	Ant1	5785	19.301	5775.2897	5794.5904	---	---
11AX20MIMO	Ant2	5785	19.62	5775.1299	5794.7502	---	---
11AX20MIMO	Ant1	5825	19.341	5815.2498	5834.5904	---	---
11AX20MIMO	Ant2	5825	19.5	5815.2098	5834.7103	---	---
11AX40MIMO	Ant1	5190	38.442	5170.8192	5209.2607	---	---
11AX40MIMO	Ant2	5190	38.442	5170.7393	5209.1808	---	---
11AX40MIMO	Ant1	5230	38.921	5210.8192	5249.7403	---	---
11AX40MIMO	Ant2	5230	38.362	5210.7393	5249.1009	---	---
11AX40MIMO	Ant1	5755	38.122	5735.8991	5774.0210	---	---
11AX40MIMO	Ant2	5755	38.681	5735.5794	5774.2607	---	---
11AX40MIMO	Ant1	5795	38.601	5775.6593	5814.2607	---	---
11AX40MIMO	Ant2	5795	38.521	5775.6593	5814.1808	---	---
11AX80MIMO	Ant1	5210	77.203	5171.3187	5248.5215	---	---
11AX80MIMO	Ant2	5210	77.363	5171.4785	5248.8412	---	---
11AX80MIMO	Ant1	5775	39.161	5755.3397	5794.5005	---	---
11AX80MIMO	Ant2	5775	39.321	5755.1798	5794.5005	---	---

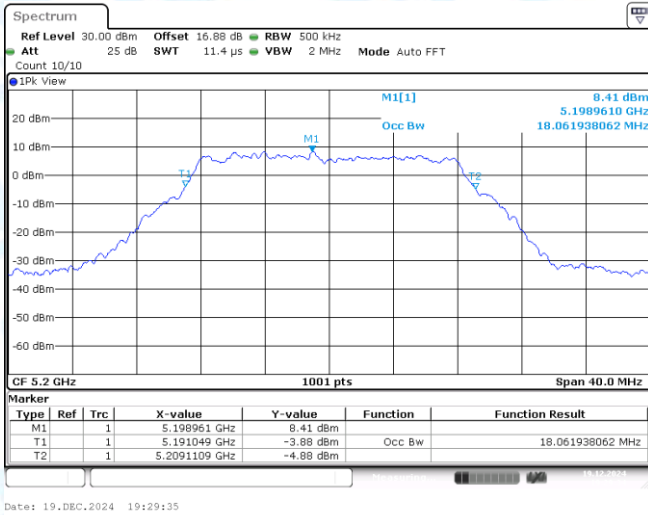
2.2 Test Graphs



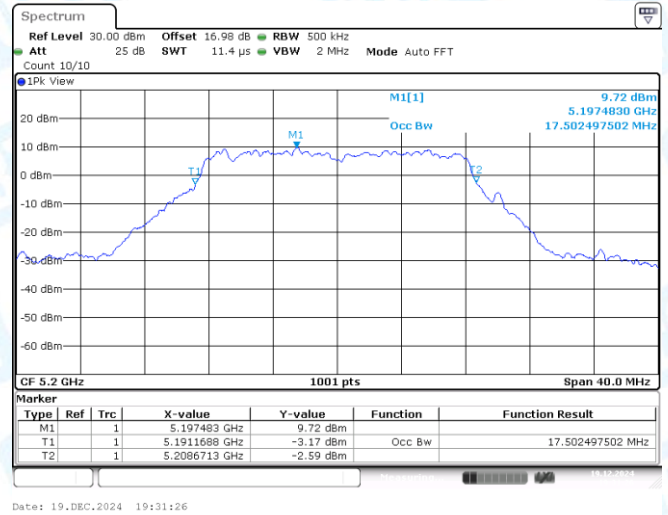
11A-CDD-Ant1-5180



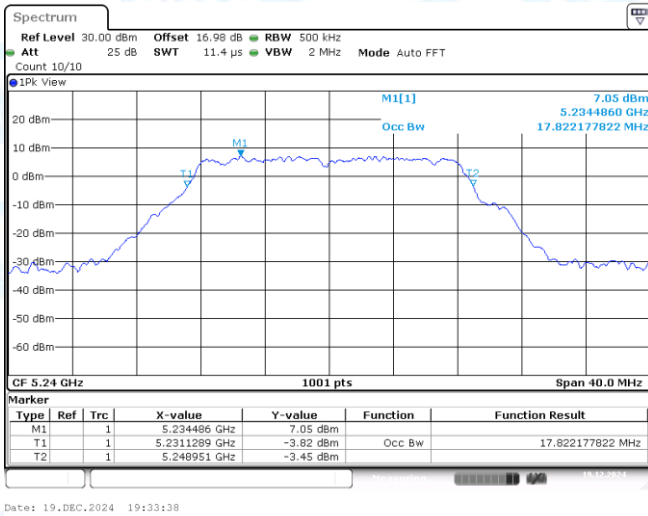
11A-CDD-Ant2-5180



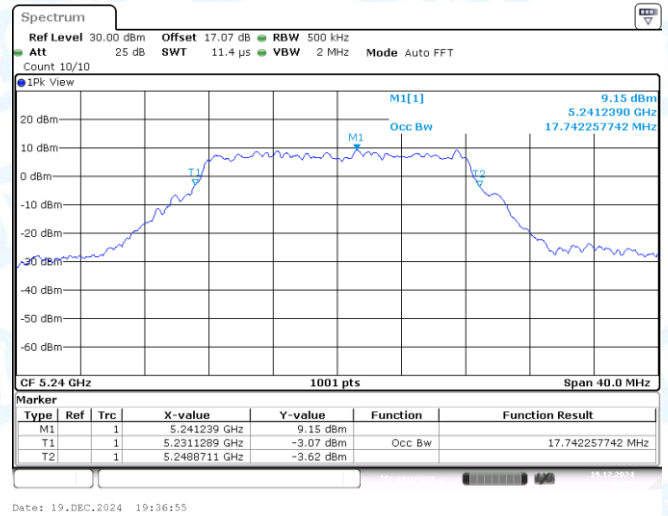
11A-CDD-Ant1-5200



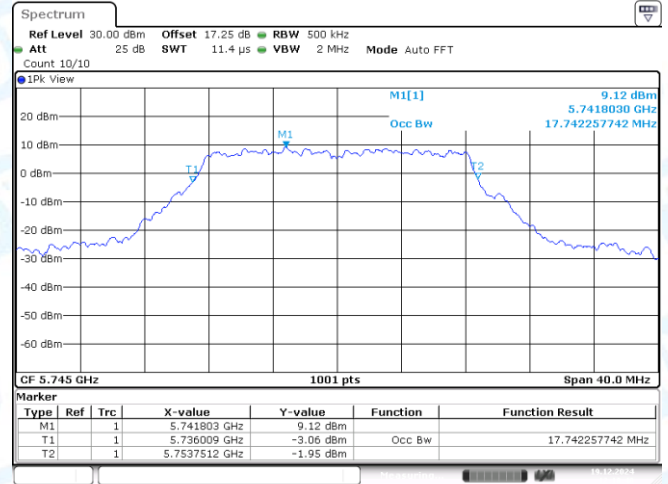
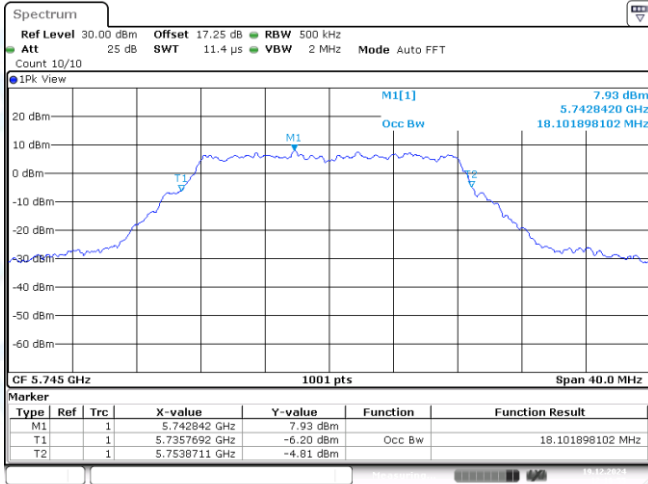
11A-CDD-Ant2-5200



11A-CDD-Ant1-5240

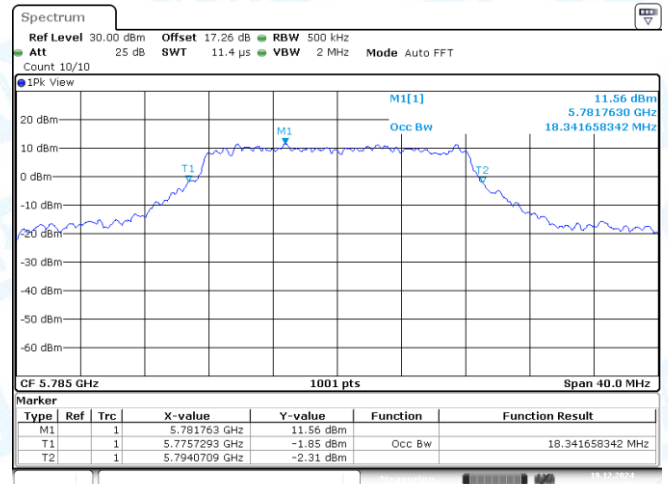
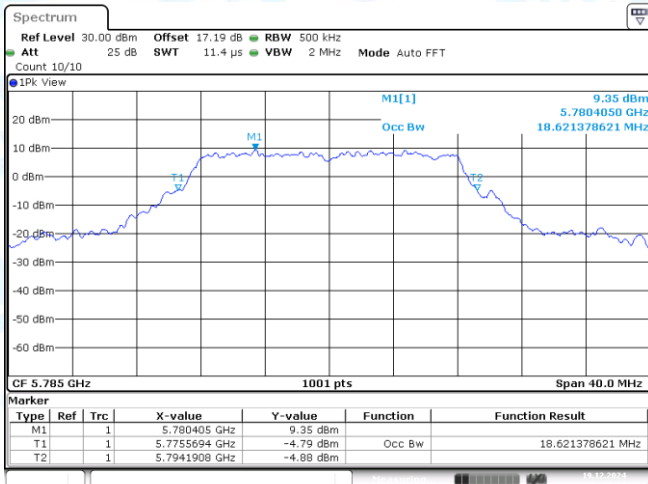


11A-CDD-Ant2-5240



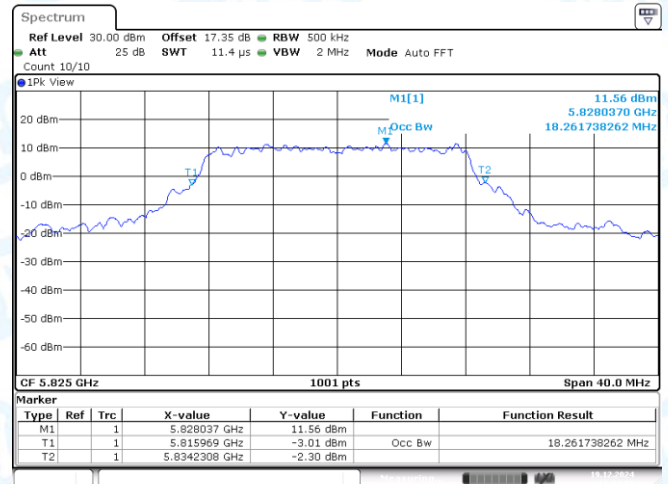
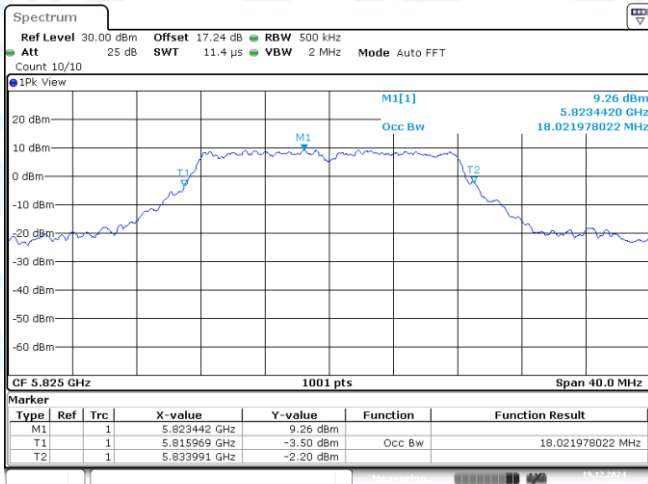
11A-CDD-Ant1-5745

11A-CDD-Ant2-5745



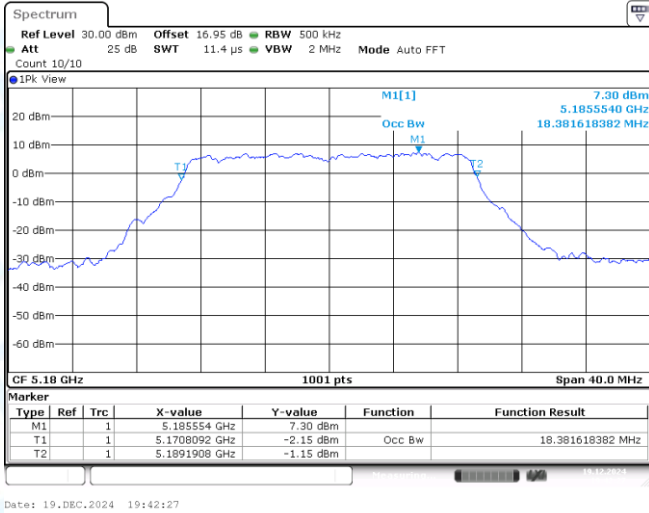
11A-CDD-Ant1-5785

11A-CDD-Ant2-5785

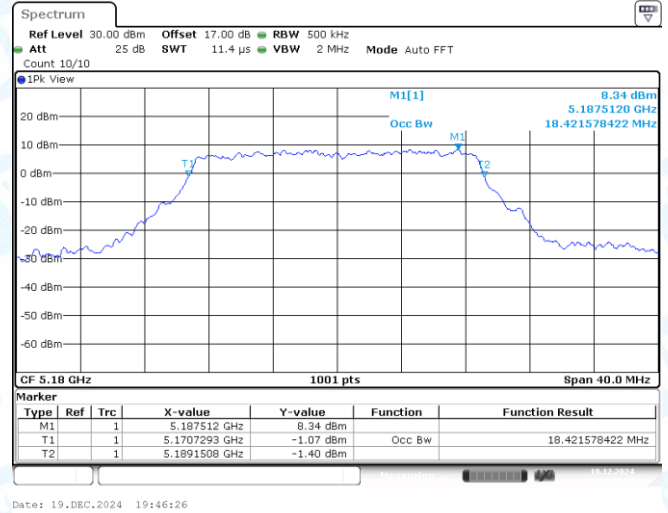


11A-CDD-Ant1-5825

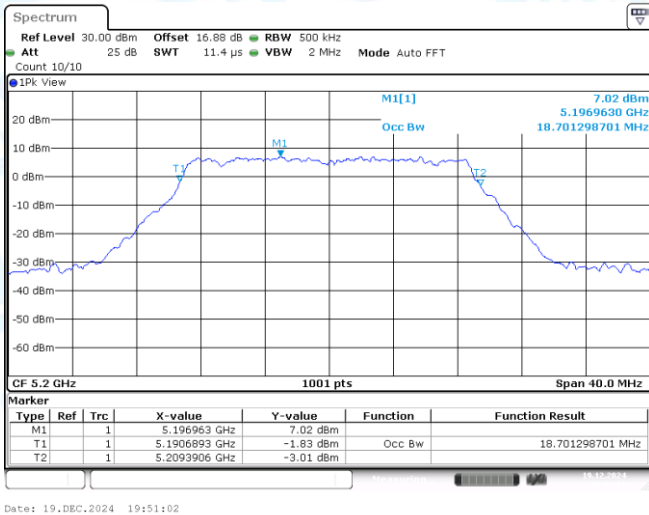
11A-CDD-Ant2-5825



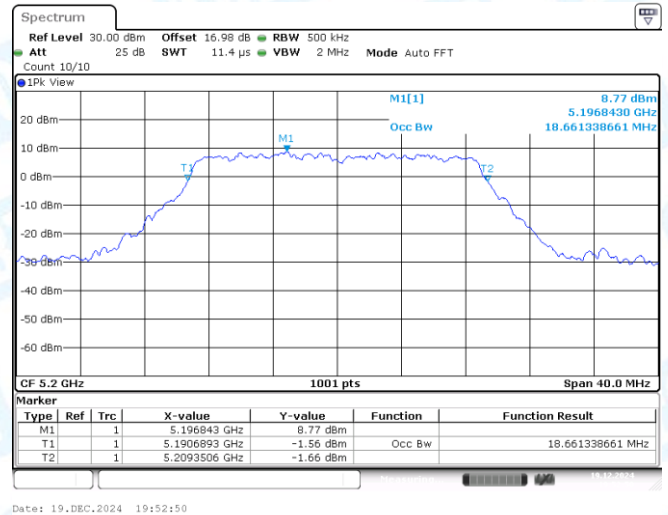
11N20MIMO-Ant1-5180



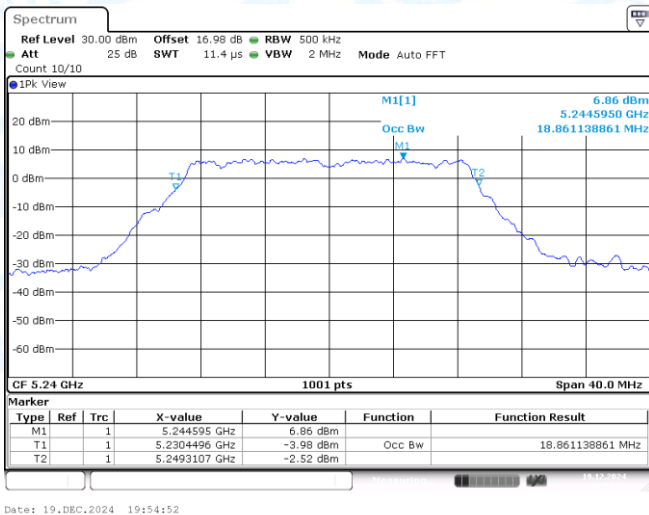
11N20MIMO-Ant2-5180



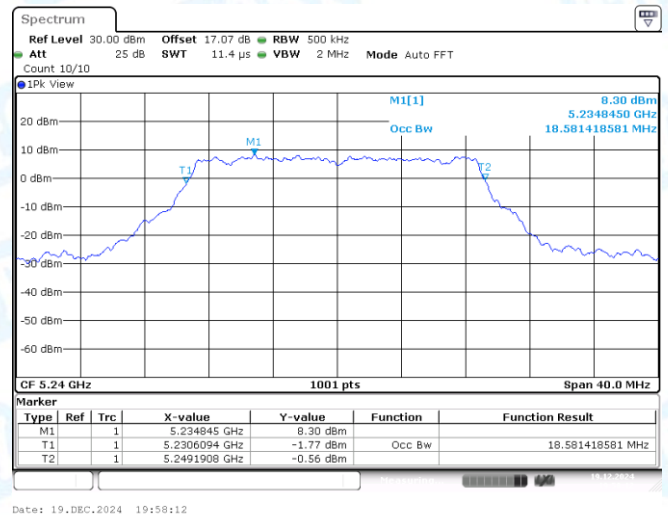
11N20MIMO-Ant1-5200



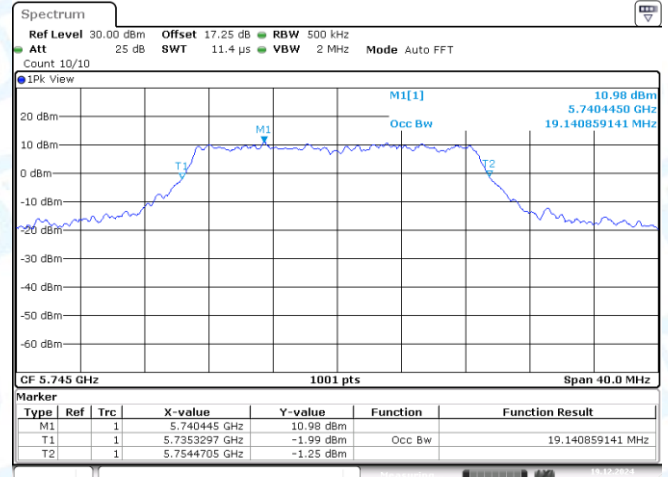
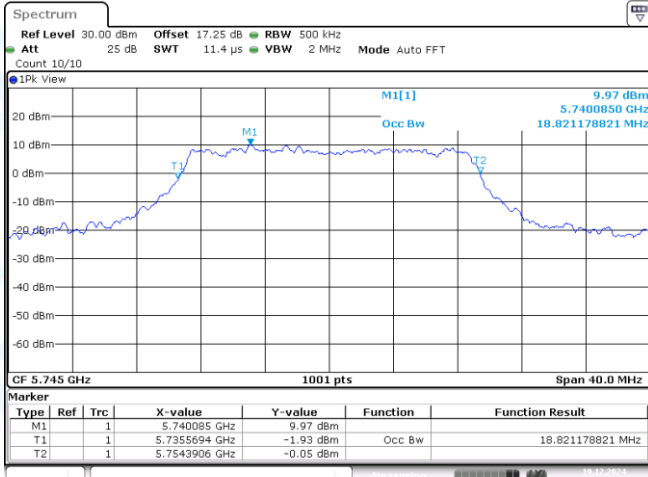
11N20MIMO-Ant2-5200



11N20MIMO-Ant1-5240

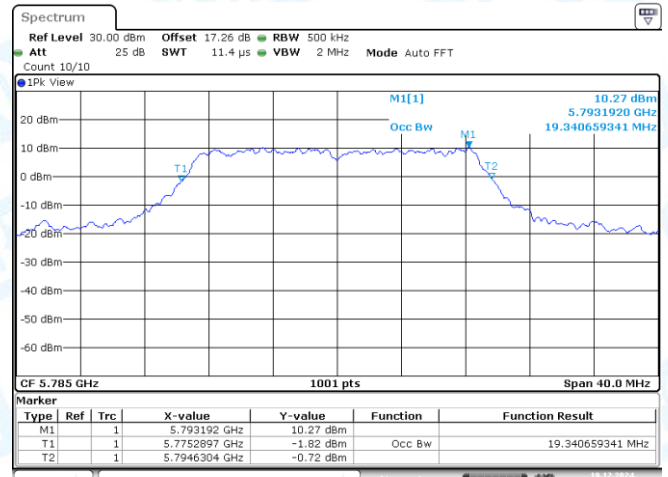
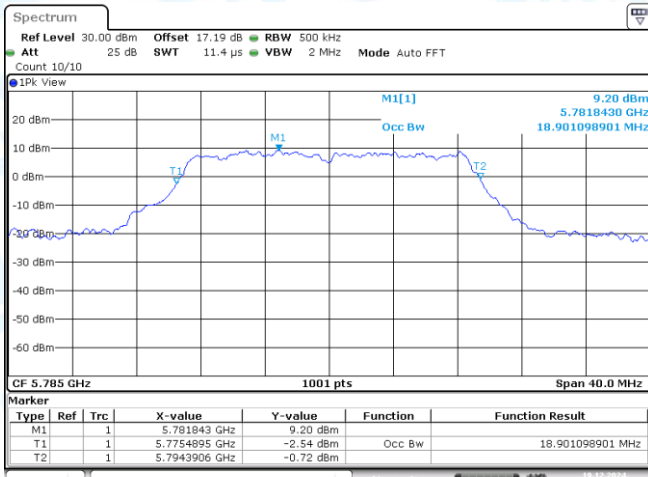


11N20MIMO-Ant2-5240



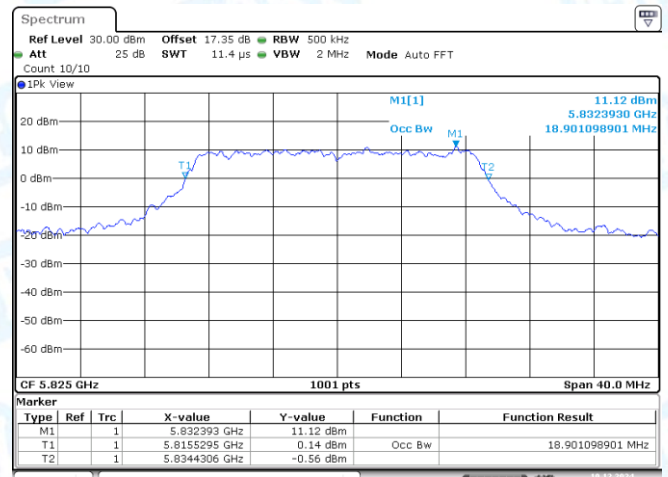
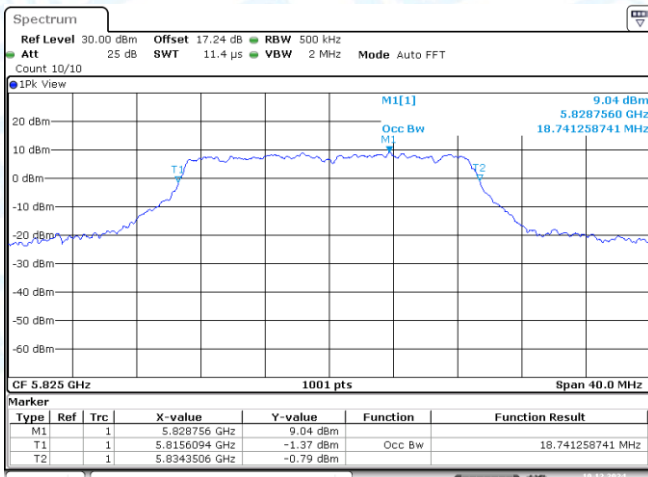
11N20MIMO-Ant1-5745

11N20MIMO-Ant2-5745



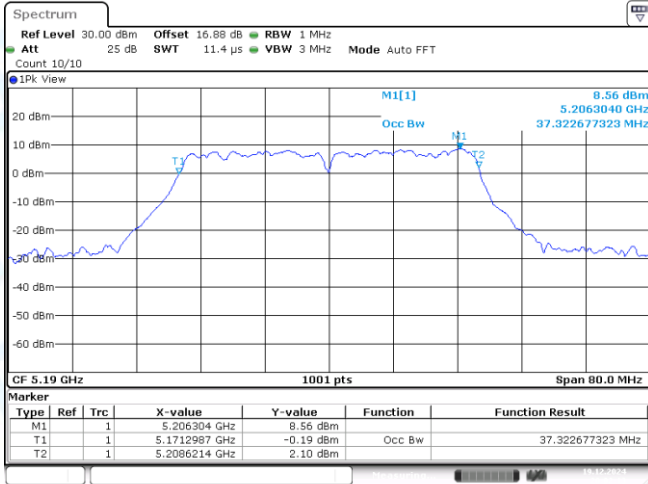
11N20MIMO-Ant1-5785

11N20MIMO-Ant2-5785

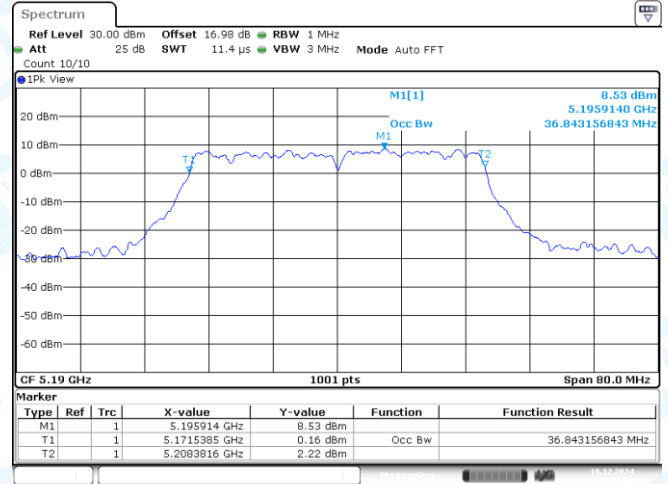


11N20MIMO-Ant1-5825

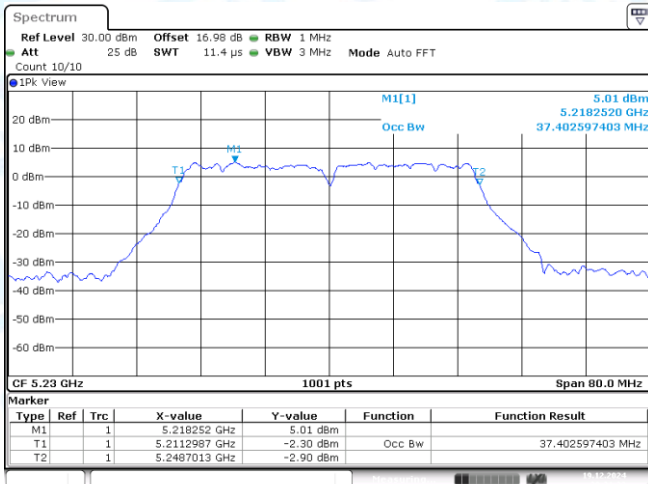
11N20MIMO-Ant2-5825



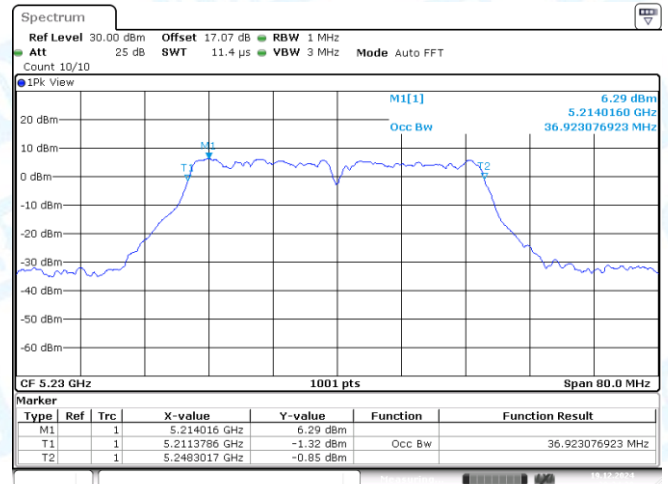
11N40MIMO-Ant1-5190



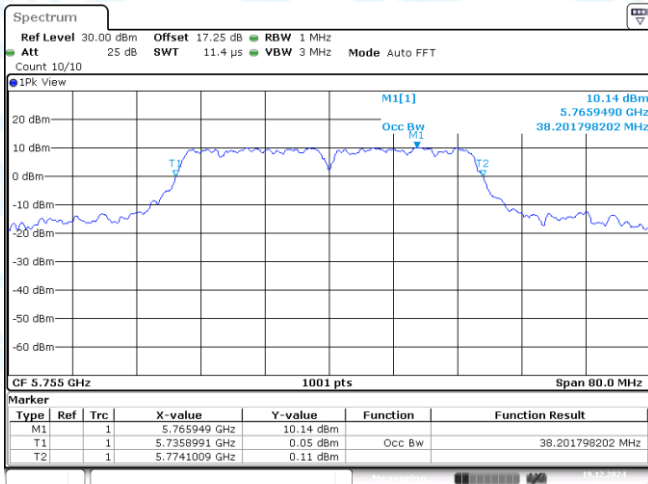
11N40MIMO-Ant2-5190



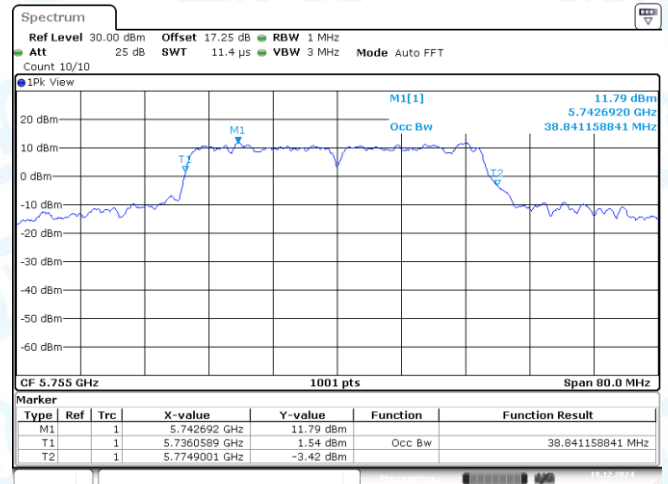
11N40MIMO-Ant1-5230



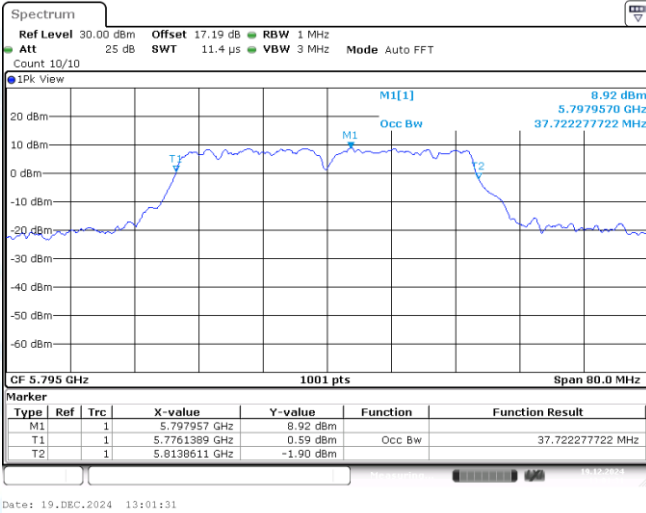
11N40MIMO-Ant2-5230



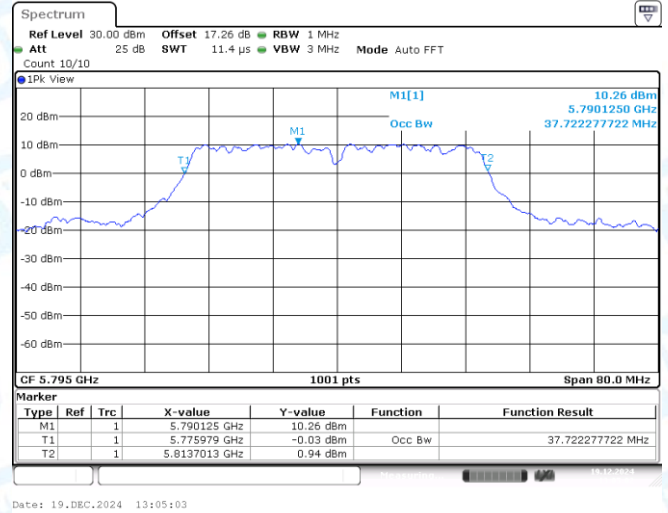
11N40MIMO-Ant1-5755



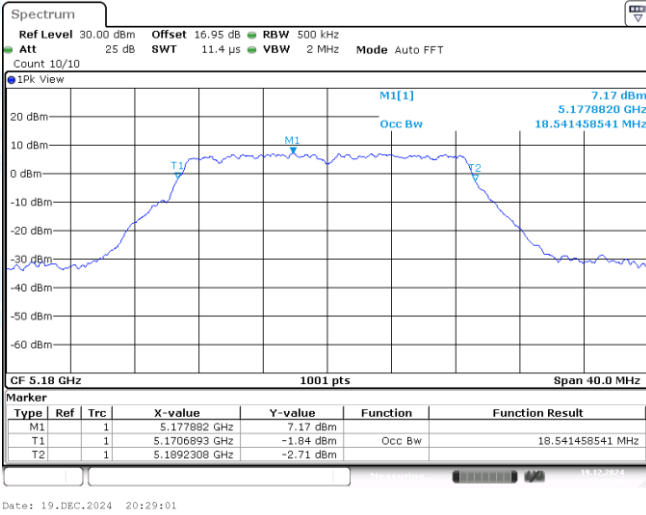
11N40MIMO-Ant2-5755



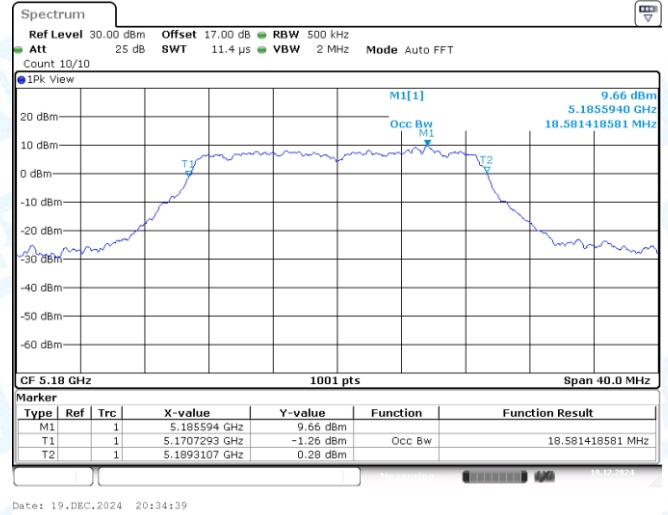
11N40MIMO-Ant1-5795



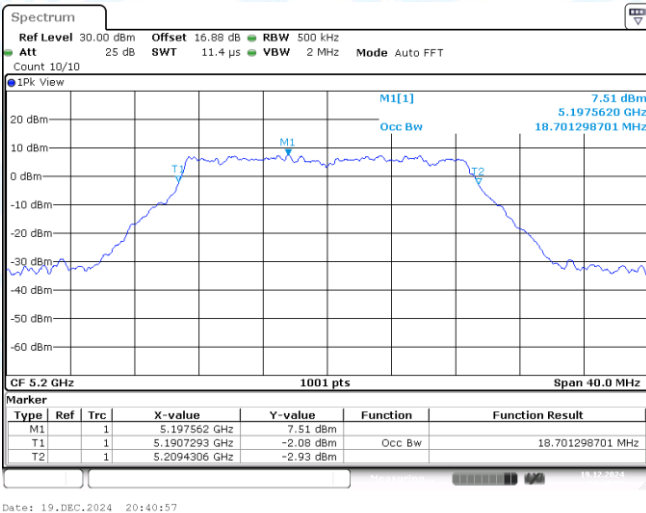
11N40MIMO-Ant2-5795



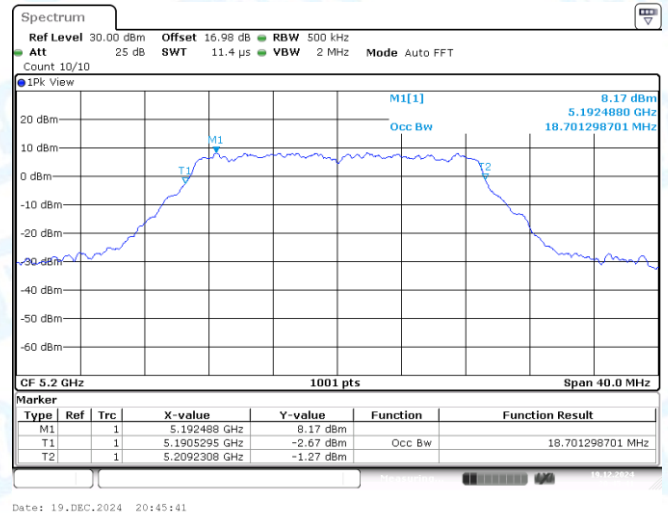
11AC20MIMO-Ant1-5180



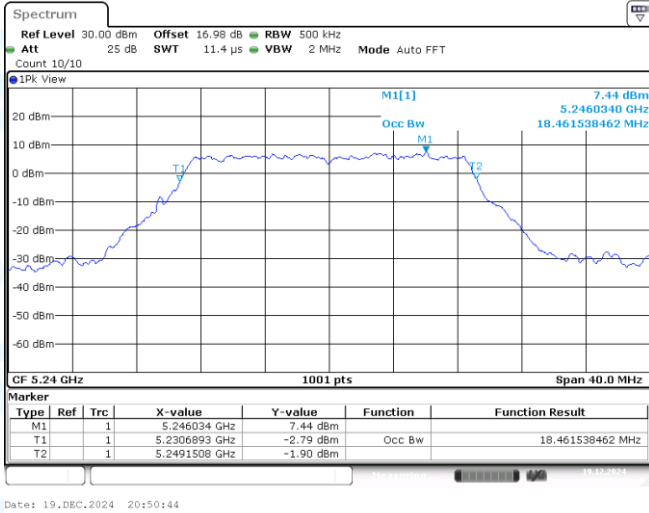
11AC20MIMO-Ant2-5180



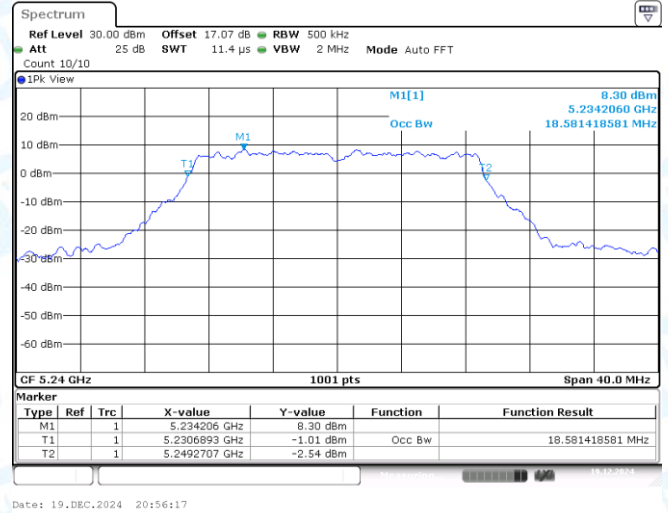
11AC20MIMO-Ant1-5200



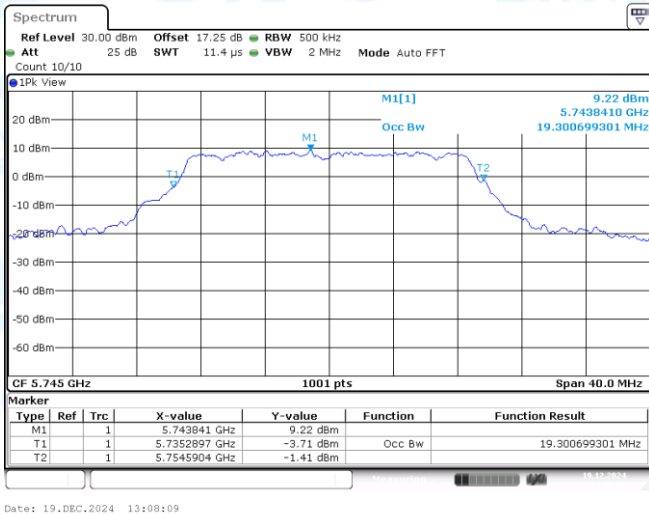
11AC20MIMO-Ant2-5200



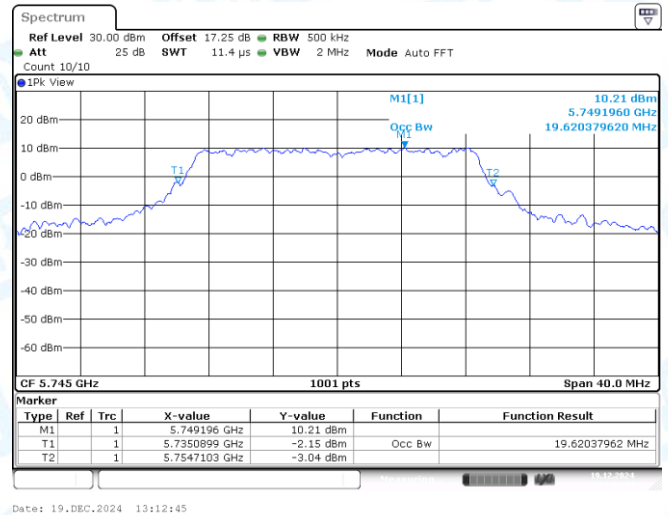
11AC20MIMO-Ant1-5240



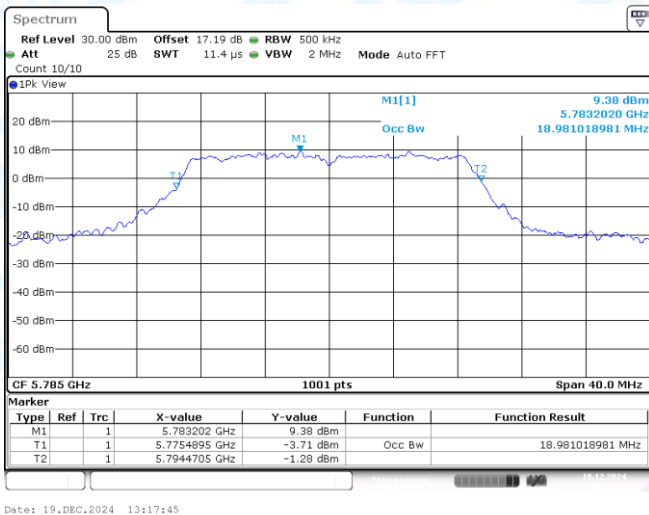
11AC20MIMO-Ant2-5240



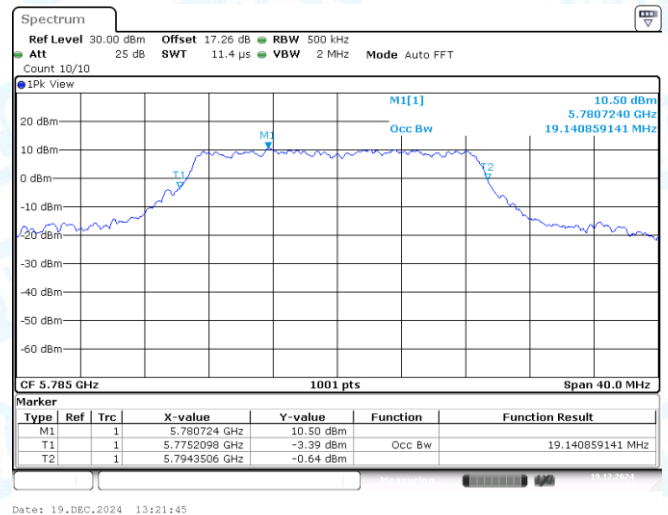
11AC20MIMO-Ant1-5745



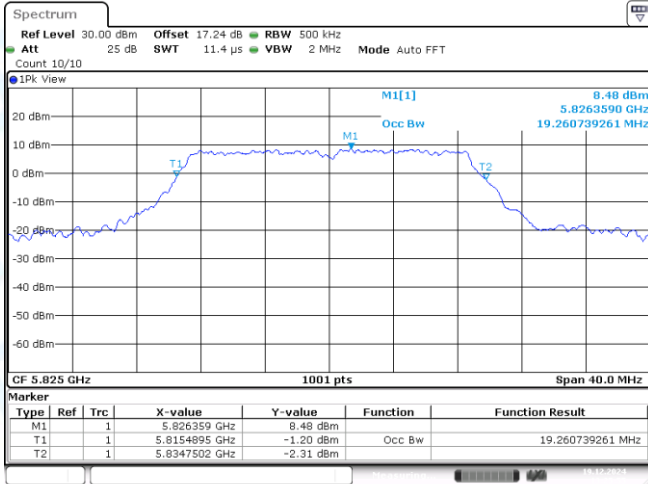
11AC20MIMO-Ant2-5745



11AC20MIMO-Ant1-5785

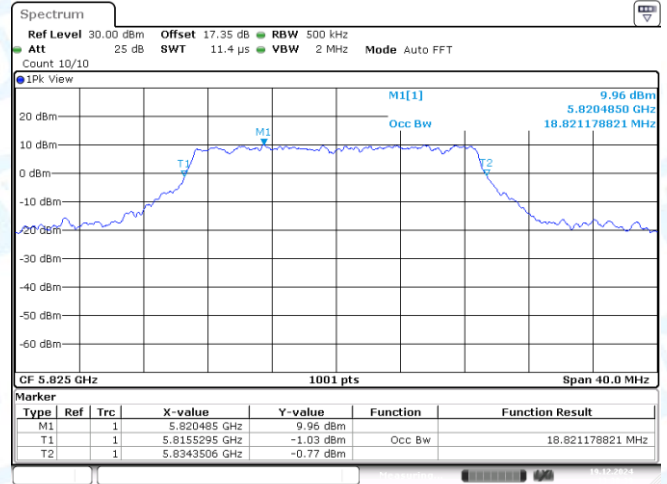


11AC20MIMO-Ant2-5785



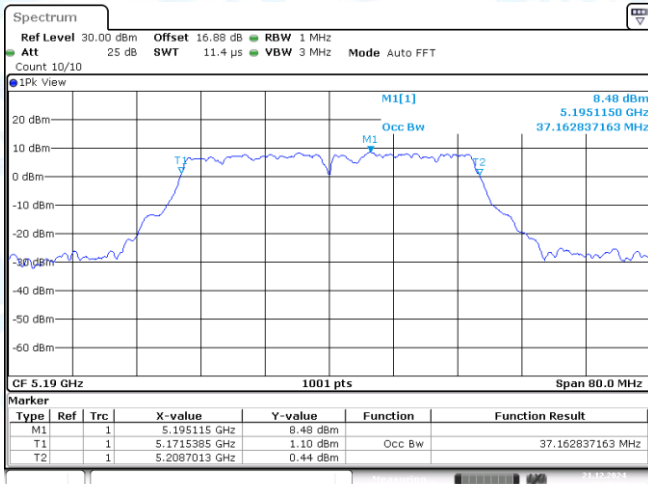
Date: 19.DEC.2024 13:25:55

11AC20MIMO-Ant1-5825



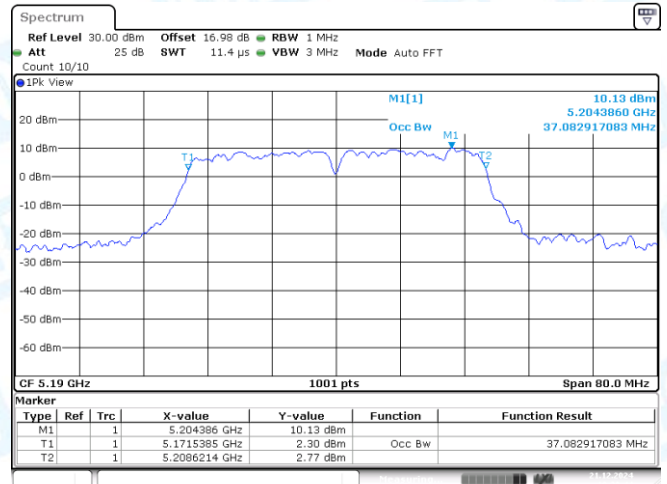
Date: 19.DEC.2024 13:30:40

11AC20MIMO-Ant2-5825



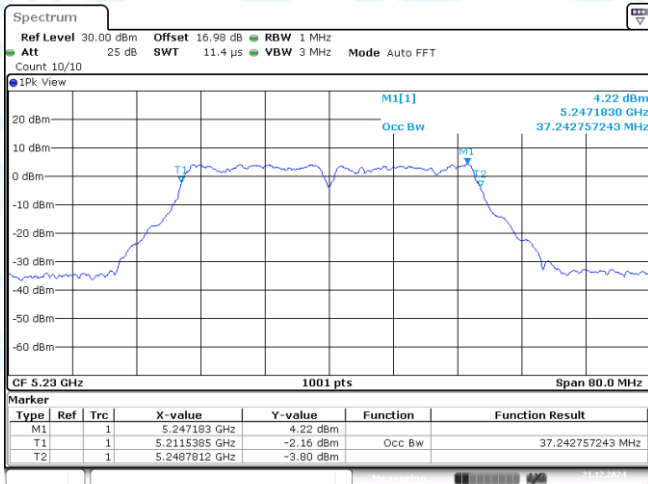
Date: 21.DEC.2024 10:25:25

11AC40MIMO-Ant1-5190



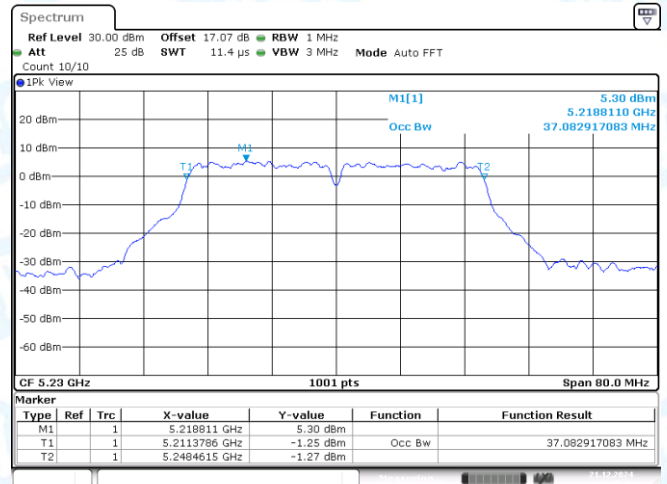
Date: 21.DEC.2024 10:28:45

11AC40MIMO-Ant2-5190



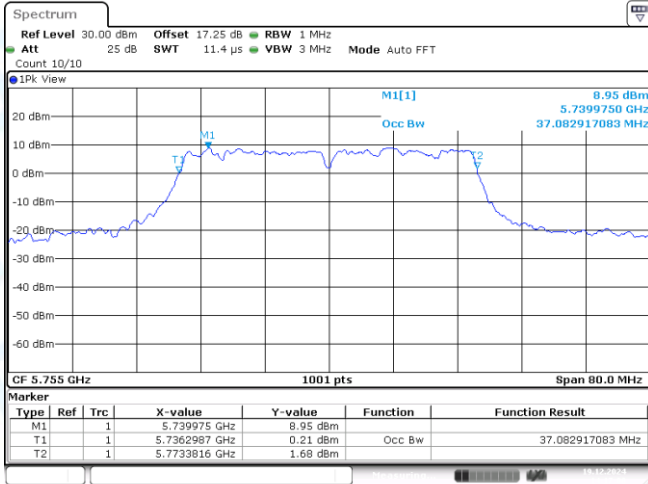
Date: 21.DEC.2024 10:42:16

11AC40MIMO-Ant1-5230

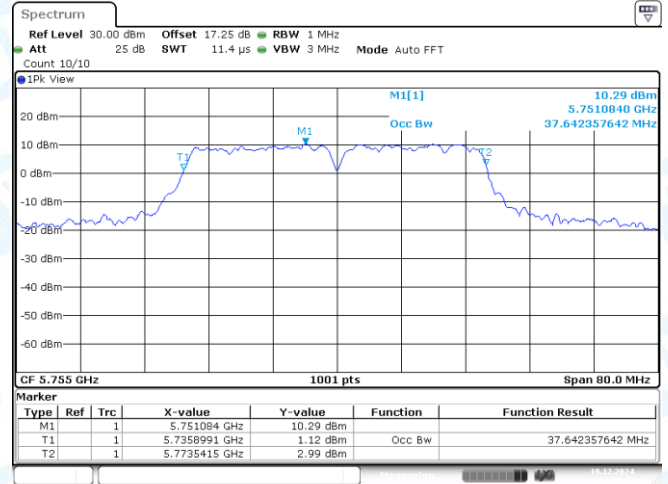


Date: 21.DEC.2024 10:47:49

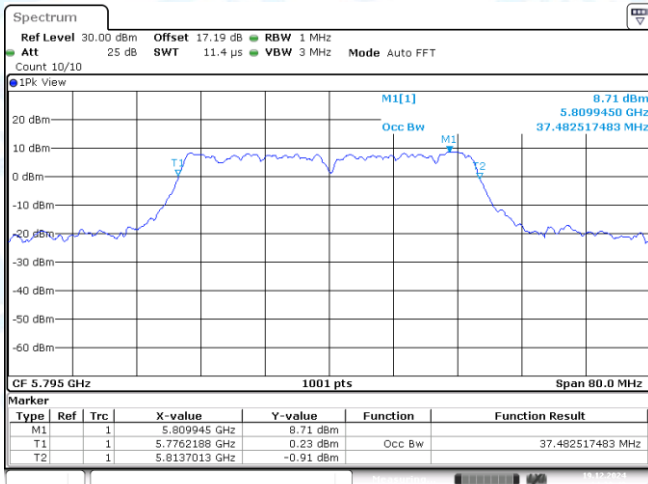
11AC40MIMO-Ant2-5230



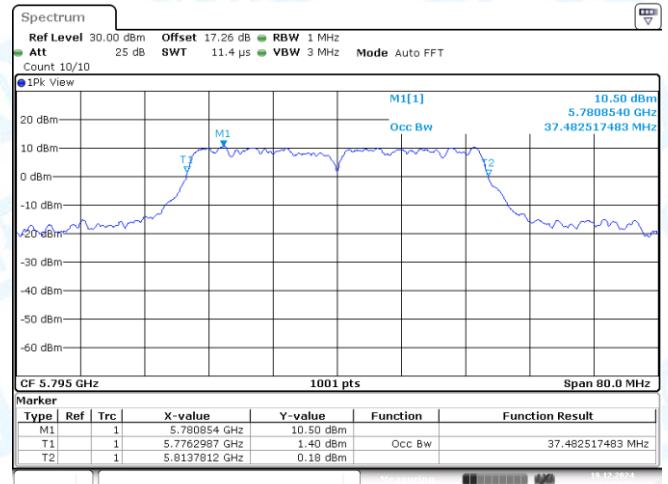
11AC40MIMO-Ant1-5755



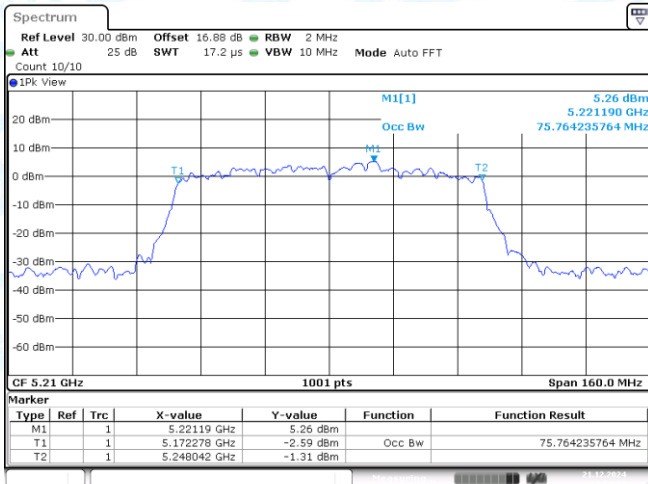
11AC40MIMO-Ant2-5755



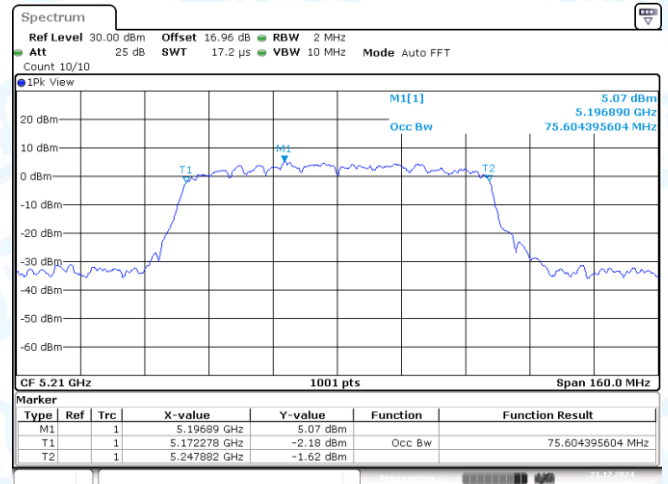
11AC40MIMO-Ant1-5795



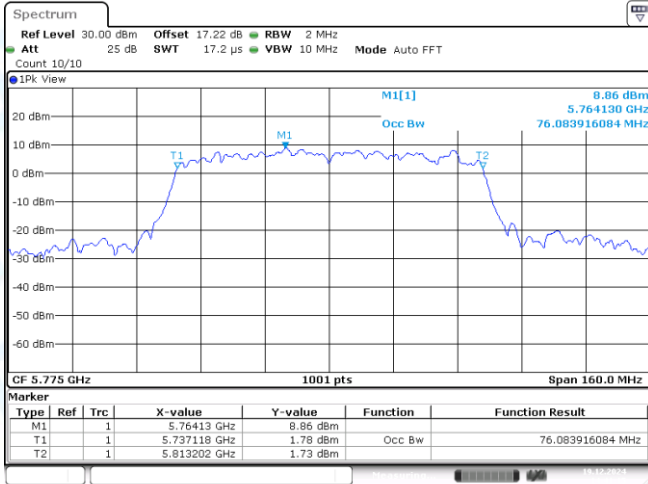
11AC40MIMO-Ant2-5795



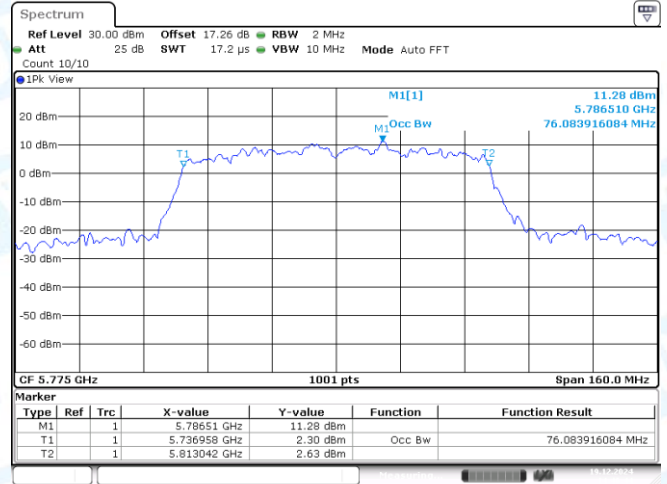
11AC80MIMO-Ant1-5210



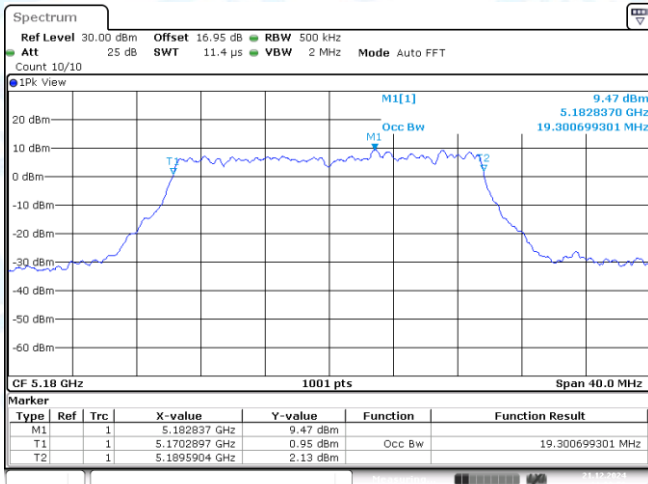
11AC80MIMO-Ant2-5210



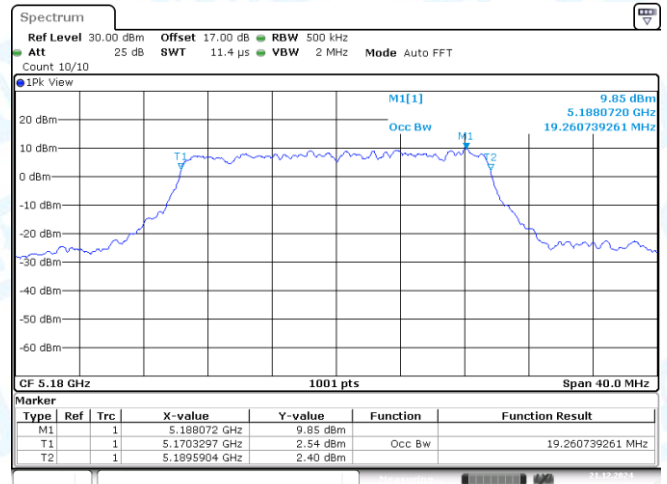
11AC80MIMO-Ant1-5775



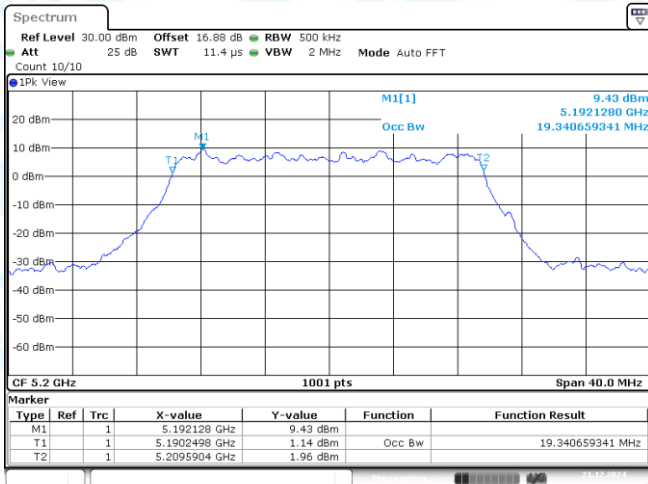
11AC80MIMO-Ant2-5775



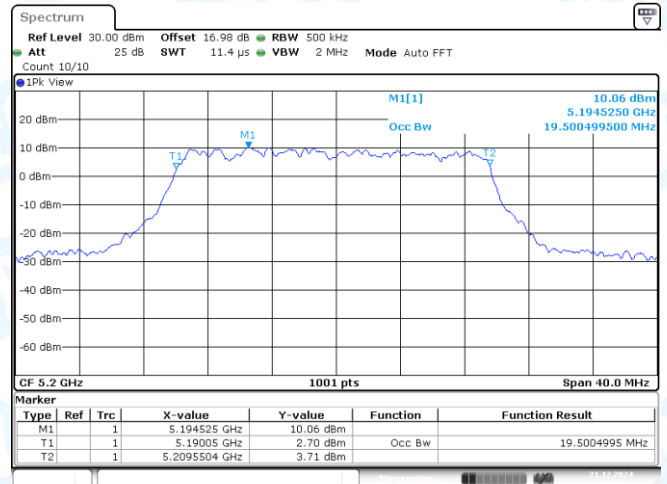
11AX20MIMO-Ant1-5180



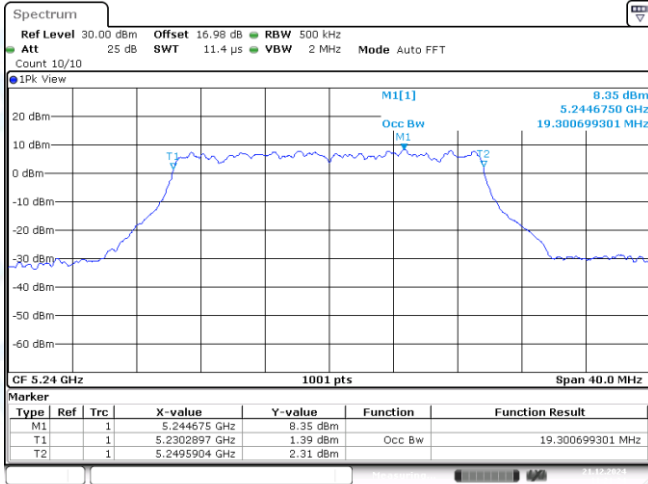
11AX20MIMO-Ant2-5180



11AX20MIMO-Ant1-5200

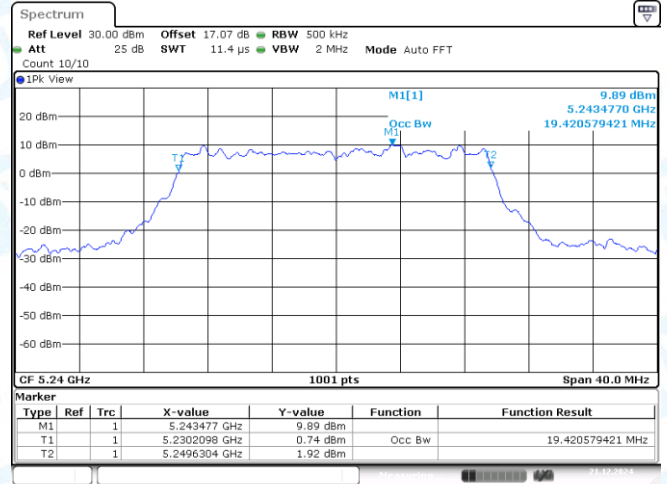


11AX20MIMO-Ant2-5200



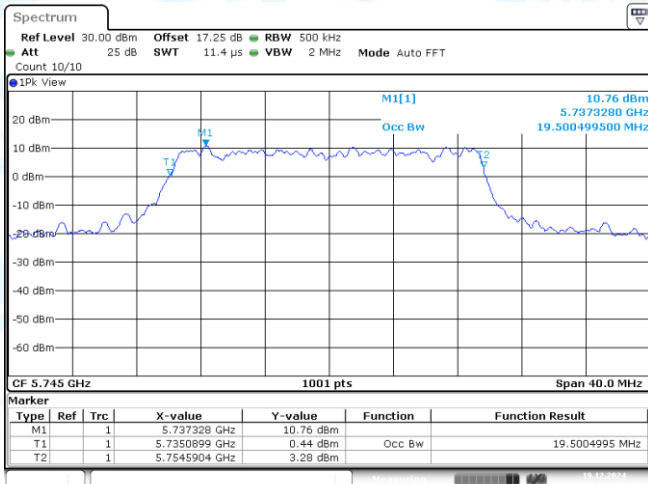
Date: 21.DEC.2024 11:21:24

11AX20MIMO-Ant1-5240



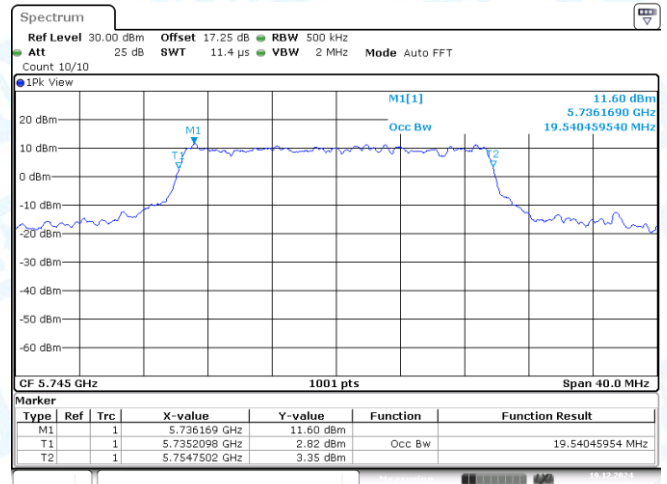
Date: 21.DEC.2024 11:26:23

11AX20MIMO-Ant2-5240



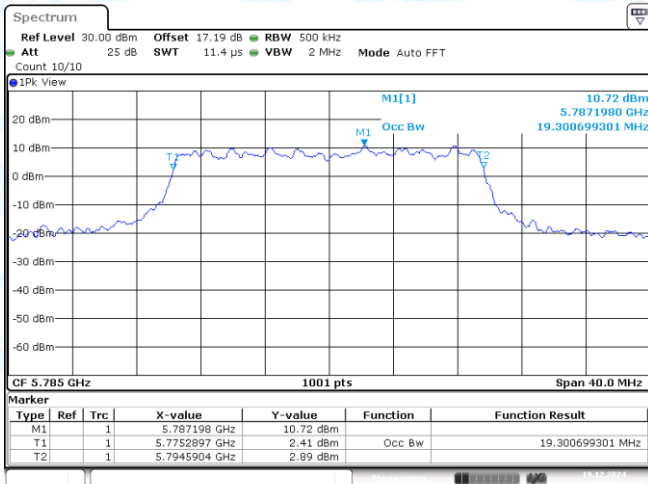
Date: 19.DEC.2024 14:54:34

11AX20MIMO-Ant1-5745



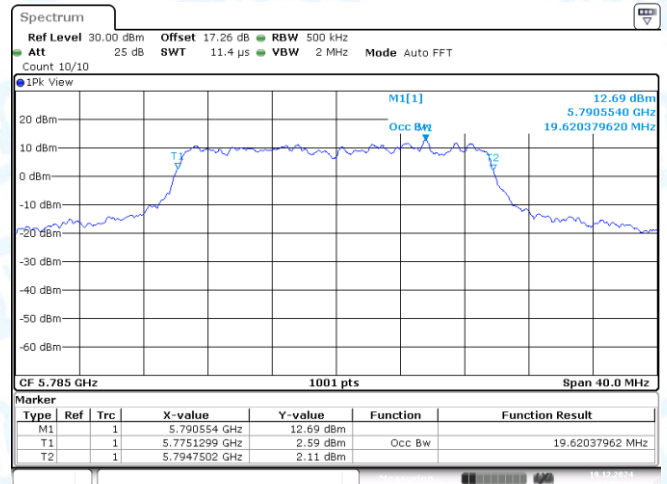
Date: 19.DEC.2024 14:59:57

11AX20MIMO-Ant2-5745



Date: 19.DEC.2024 15:05:02

11AX20MIMO-Ant1-5785



Date: 19.DEC.2024 15:07:12

11AX20MIMO-Ant2-5785