

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

General Description of EUT	
EUT Name:	Portable Gaming Computer(Tablet computer)
Model:	AYANEO Pocket VERT
Sample ID:	HC-C-202509-0278-02-03-2#
Test Standard:	FCC Part 15.407
Environmental Conditions	
Ambient Temperature:	25℃
Ambient Humidity:	45%RH
Test Power Supply:	DC 3.85V
Test Engineer:	Gold.zhang
Note: For a more detailed features description, please refer to the report TBR-C-202509-0278-113	

Contents

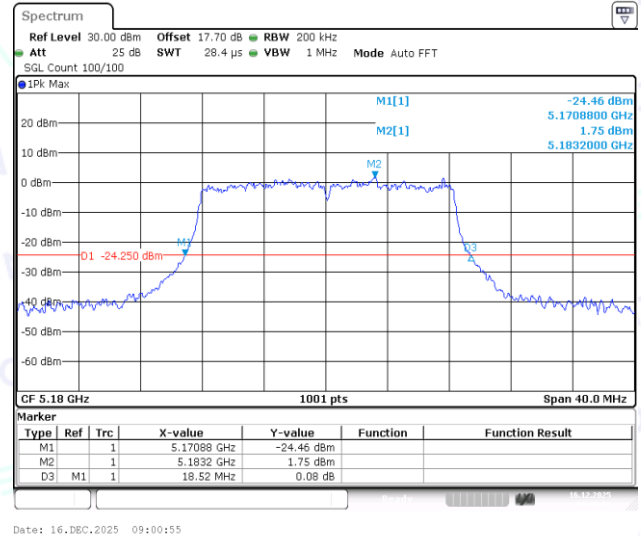
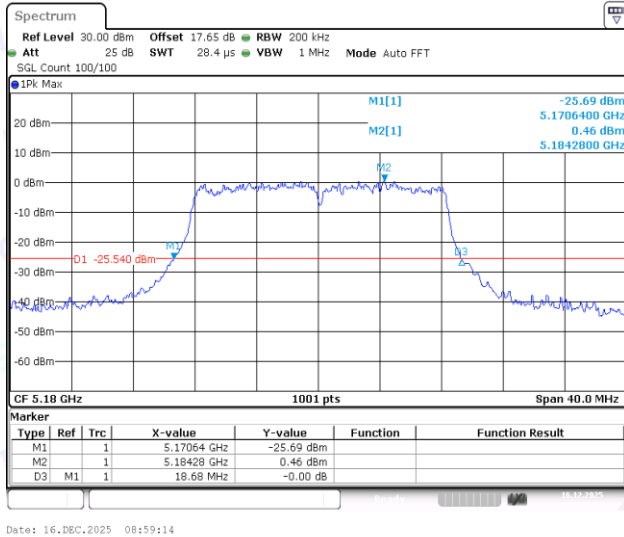
1: Emission Bandwidth	3
1.1 Test Result.....	3
1.2 Test Graphs	4
2: Occupied channel bandwidth.....	11
2.1 Test Result.....	11
2.2 Test Graphs	13
3: Min emission bandwidth	27
3.1 Test Result-B4.....	27
3.2 Test Graphs-B4	28
4: Duty Cycle.....	35
4.1 Test Result.....	35
4.2 Test Graphs	36
5: Maximum conducted output power	42
5.1 Test Result.....	42
6: Maximum power spectral density	45
6.1 Test Result.....	45
6.2 Test Graphs	48
7: Band edge measurements.....	62
7.1 Test Result B1.....	62
7.2 Test Result B4.....	63
7.3 Test Graphs B1	67
7.4 Test Graphs B4	73
8: Conducted Spurious Emission	79
8.1 Test Result.....	79
8.2 Test Graphs	83
9: Frequency Stability	110
9.1 Test Result.....	110
10: Emissions in Restricted Bands	115
10.1 Test Result.....	115
10.2 Test Graphs.....	127

1: Emission Bandwidth

1.1 Test Result

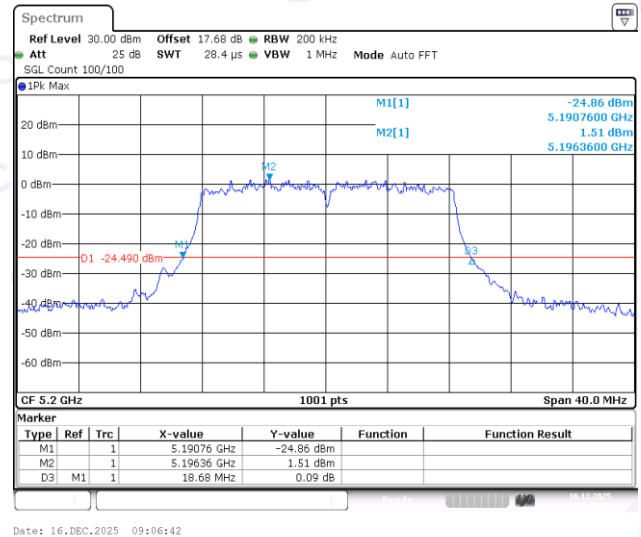
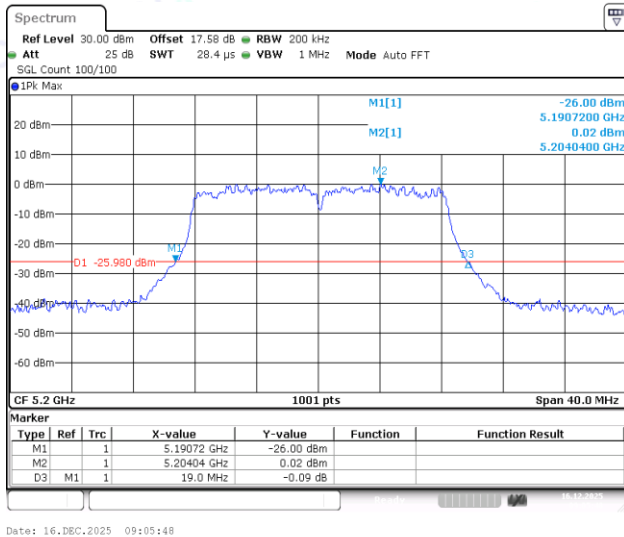
TestMode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	18.68	5170.64	5189.32	---	---
11A-CDD	Ant2	5180	18.52	5170.88	5189.40	---	---
11A-CDD	Ant1	5200	19.00	5190.72	5209.72	---	---
11A-CDD	Ant2	5200	18.68	5190.76	5209.44	---	---
11A-CDD	Ant1	5240	18.72	5230.64	5249.36	---	---
11A-CDD	Ant2	5240	18.92	5230.72	5249.64	---	---
11N20MIMO	Ant1	5180	20.08	5170.00	5190.08	---	---
11N20MIMO	Ant2	5180	19.44	5170.36	5189.80	---	---
11N20MIMO	Ant1	5200	19.76	5190.32	5210.08	---	---
11N20MIMO	Ant2	5200	19.96	5190.32	5210.28	---	---
11N20MIMO	Ant1	5240	19.84	5230.28	5250.12	---	---
11N20MIMO	Ant2	5240	20.48	5229.88	5250.36	---	---
11N40MIMO	Ant1	5190	39.76	5170.24	5210.00	---	---
11N40MIMO	Ant2	5190	39.52	5170.24	5209.76	---	---
11N40MIMO	Ant1	5230	40.56	5209.68	5250.24	---	---
11N40MIMO	Ant2	5230	39.60	5210.32	5249.92	---	---
11AC20MIMO	Ant1	5180	19.92	5170.24	5190.16	---	---
11AC20MIMO	Ant2	5180	20.08	5170.12	5190.20	---	---
11AC20MIMO	Ant1	5200	19.72	5190.24	5209.96	---	---
11AC20MIMO	Ant2	5200	20.24	5190.00	5210.24	---	---
11AC20MIMO	Ant1	5240	19.68	5230.28	5249.96	---	---
11AC20MIMO	Ant2	5240	20.48	5229.80	5250.28	---	---
11AC40MIMO	Ant1	5190	39.28	5170.48	5209.76	---	---
11AC40MIMO	Ant2	5190	39.36	5170.40	5209.76	---	---
11AC40MIMO	Ant1	5230	39.44	5210.40	5249.84	---	---
11AC40MIMO	Ant2	5230	39.68	5210.16	5249.84	---	---
11AC80MIMO	Ant1	5210	80.80	5169.36	5250.16	---	---
11AC80MIMO	Ant2	5210	82.08	5168.08	5250.16	---	---
11AX20MIMO	Ant1	5180	20.80	5169.72	5190.52	---	---
11AX20MIMO	Ant2	5180	20.72	5169.60	5190.32	---	---
11AX20MIMO	Ant1	5200	21.40	5189.24	5210.64	---	---
11AX20MIMO	Ant2	5200	20.64	5189.96	5210.60	---	---
11AX20MIMO	Ant1	5240	20.40	5229.84	5250.24	---	---
11AX20MIMO	Ant2	5240	20.72	5229.60	5250.32	---	---
11AX40MIMO	Ant1	5190	40.24	5170.00	5210.24	---	---
11AX40MIMO	Ant2	5190	40.32	5169.76	5210.08	---	---
11AX40MIMO	Ant1	5230	40.08	5209.92	5250.00	---	---
11AX40MIMO	Ant2	5230	40.72	5209.52	5250.24	---	---
11AX80MIMO	Ant1	5210	82.40	5169.20	5251.60	---	---
11AX80MIMO	Ant2	5210	82.72	5168.24	5250.96	---	---

1.2 Test Graphs



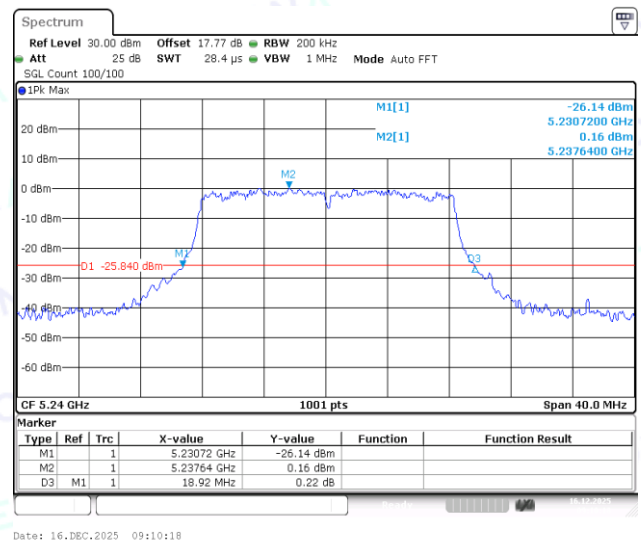
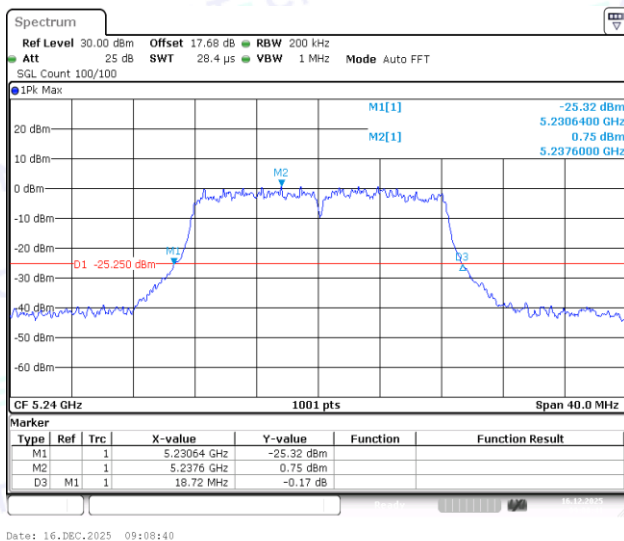
11A-CDD-Ant1-5180

11A-CDD-Ant2-5180



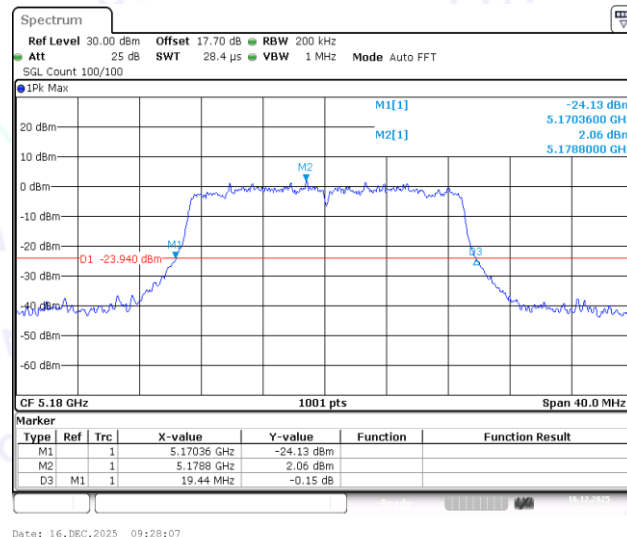
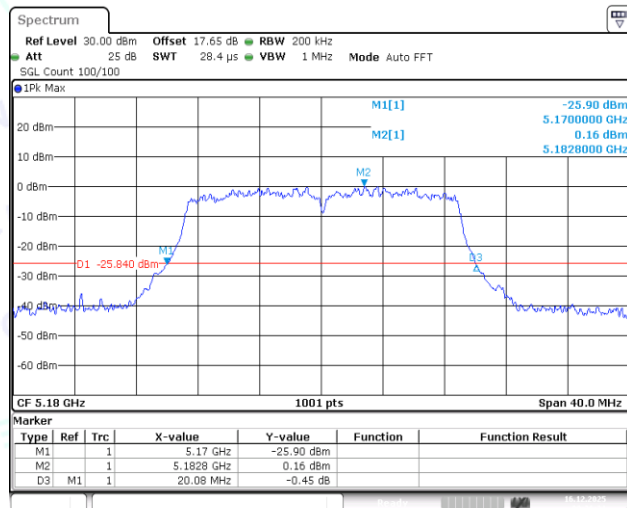
11A-CDD-Ant1-5200

11A-CDD-Ant2-5200



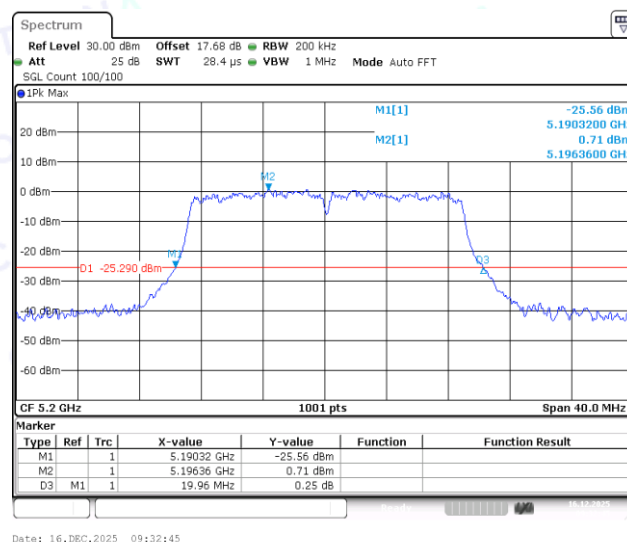
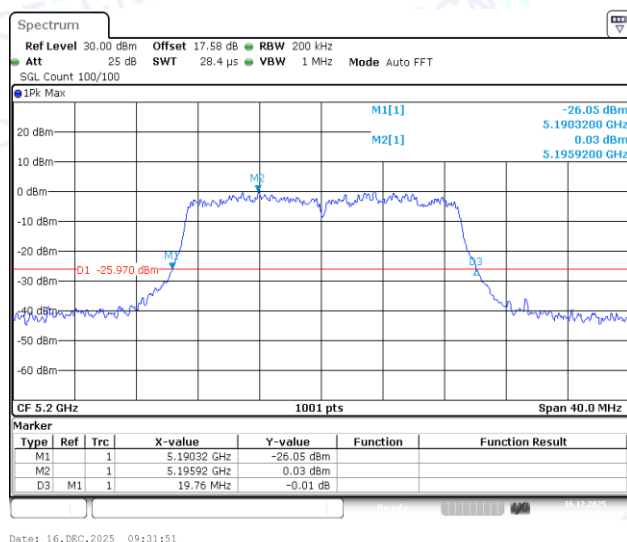
11A-CDD-Ant1-5240

11A-CDD-Ant2-5240



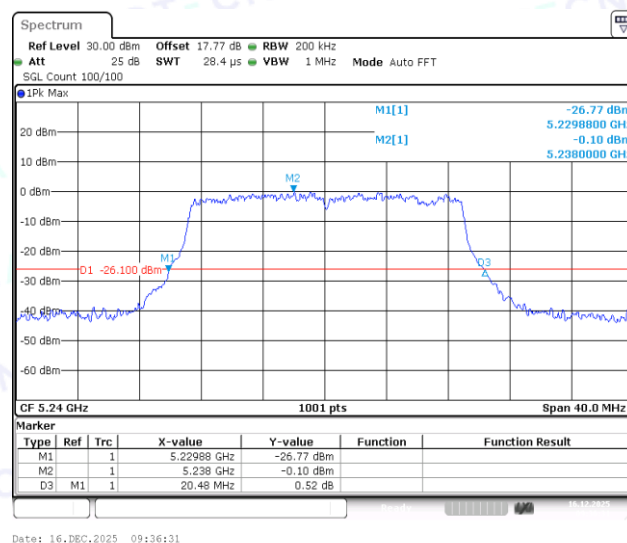
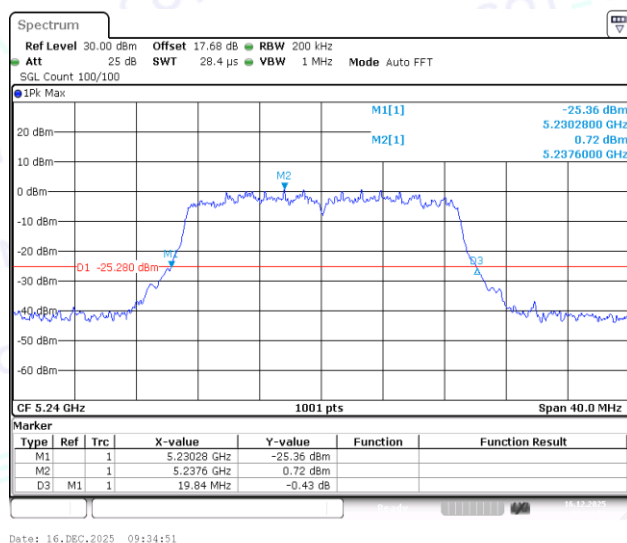
11N20MIMO-Ant1-5180

11N20MIMO-Ant2-5180



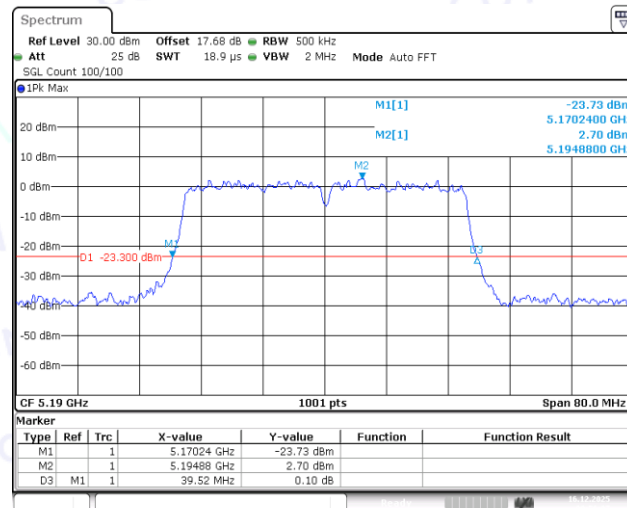
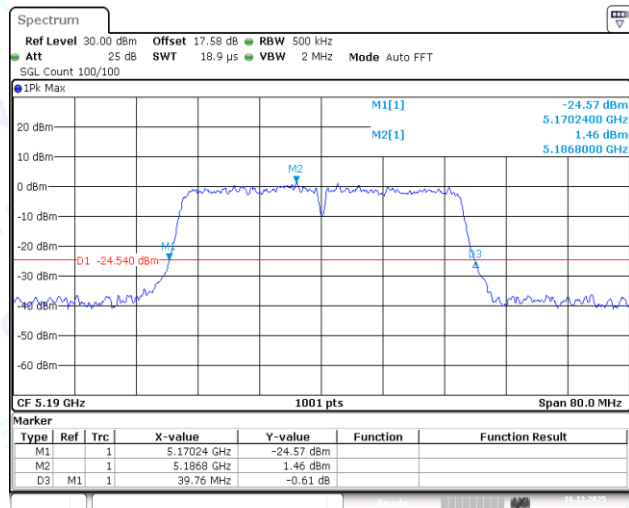
11N20MIMO-Ant1-5200

11N20MIMO-Ant2-5200



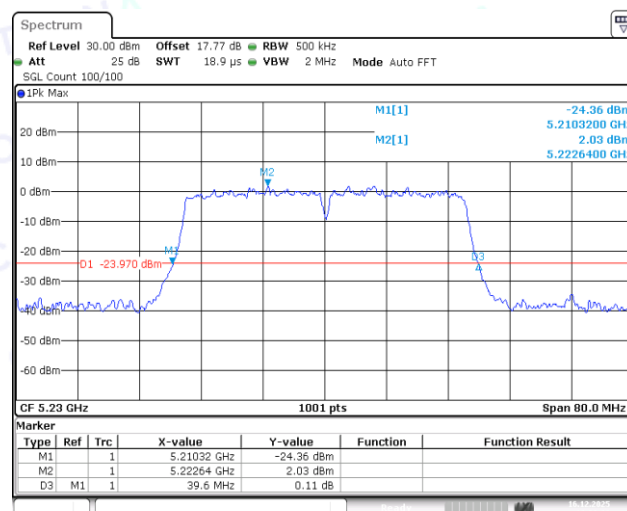
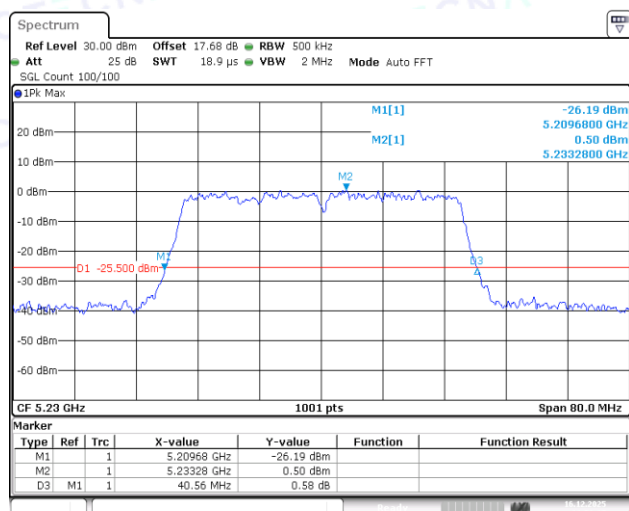
11N20MIMO-Ant1-5240

11N20MIMO-Ant2-5240



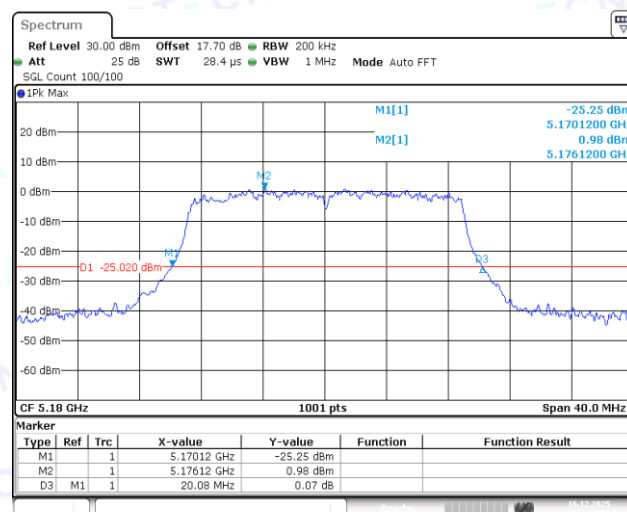
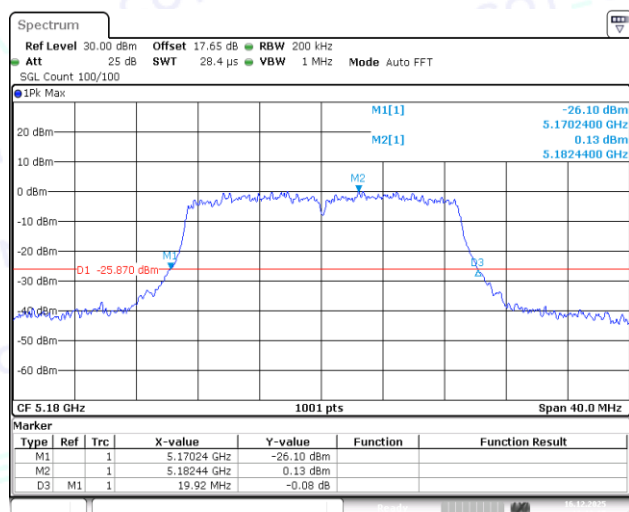
11N40MIMO-Ant1-5190

11N40MIMO-Ant2-5190



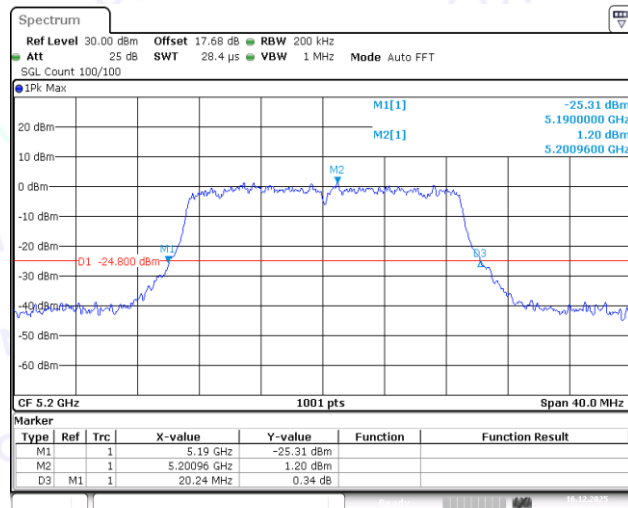
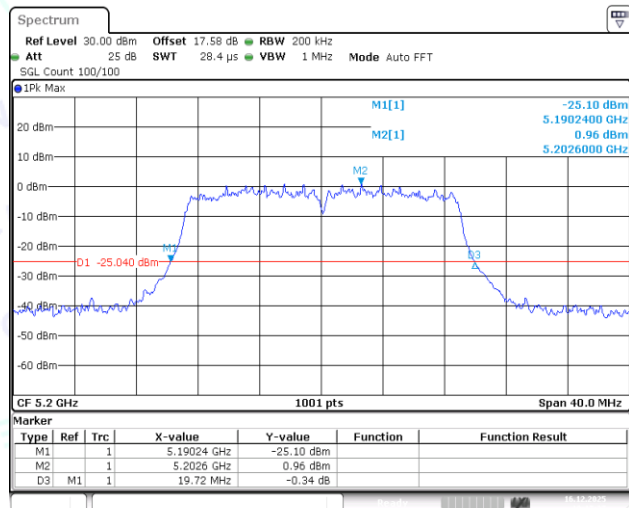
11N40MIMO-Ant1-5230

11N40MIMO-Ant2-5230



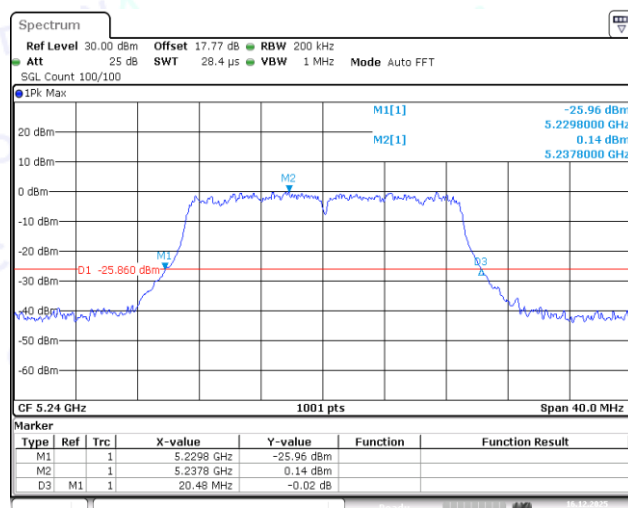
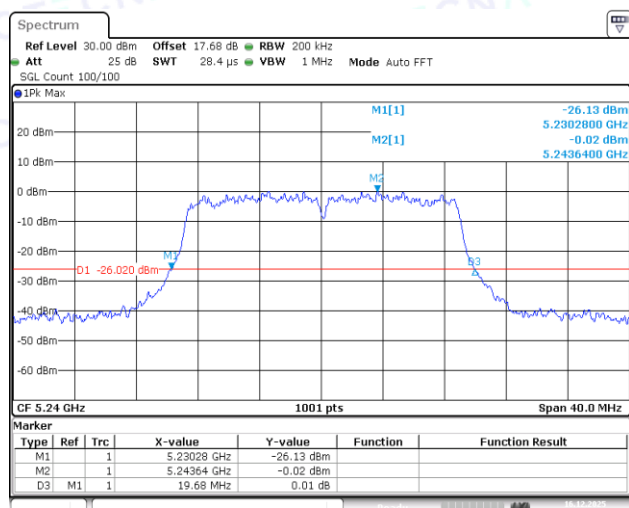
11AC20MIMO-Ant1-5180

11AC20MIMO-Ant2-5180



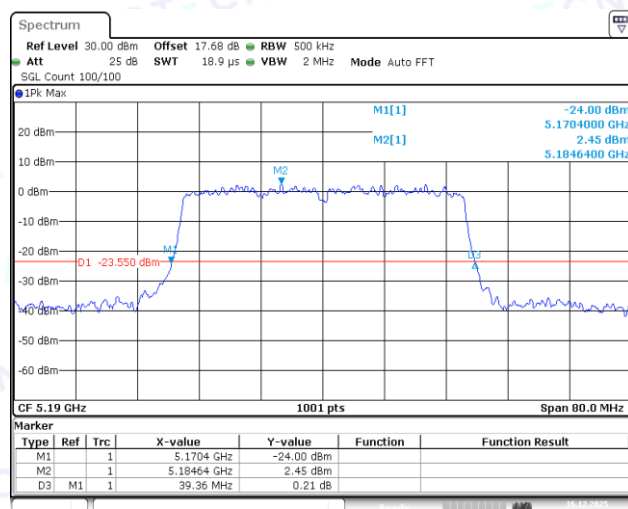
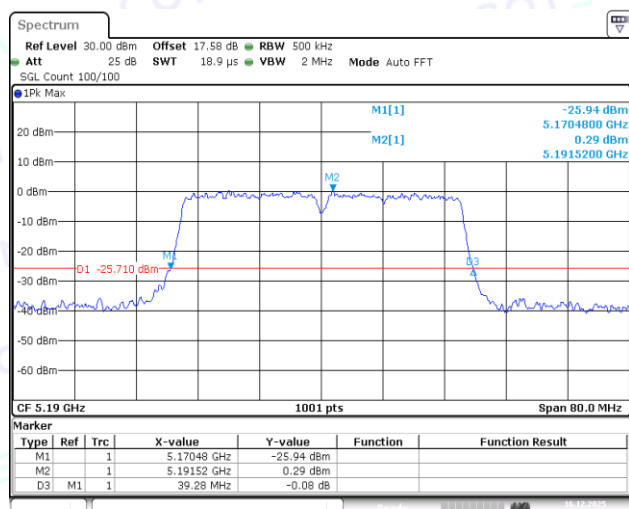
11AC20MIMO-Ant1-5200

11AC20MIMO-Ant2-5200



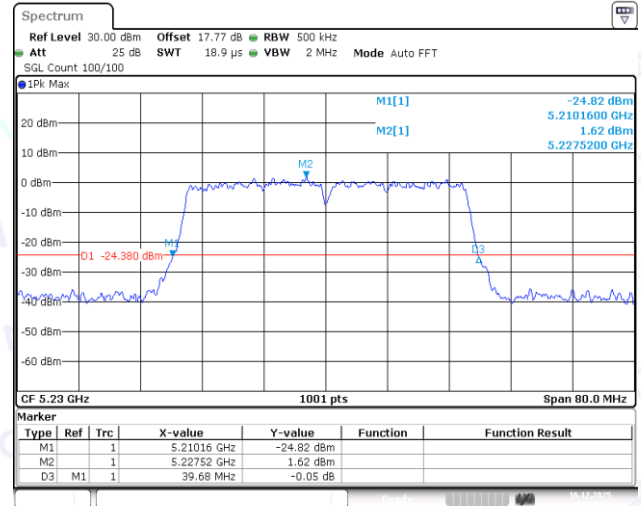
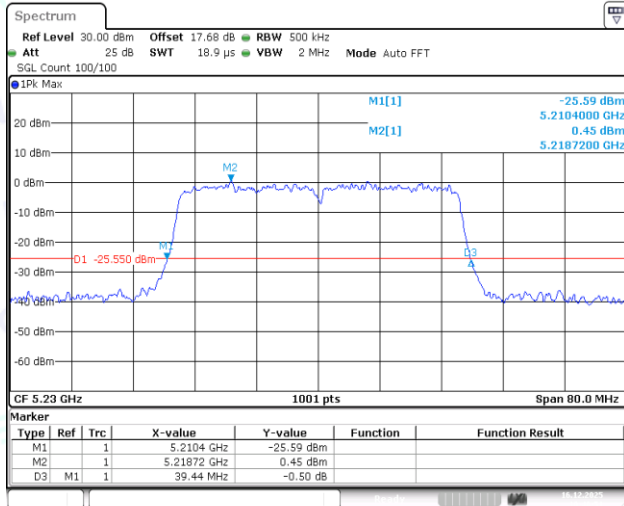
11AC20MIMO-Ant1-5240

11AC20MIMO-Ant2-5240

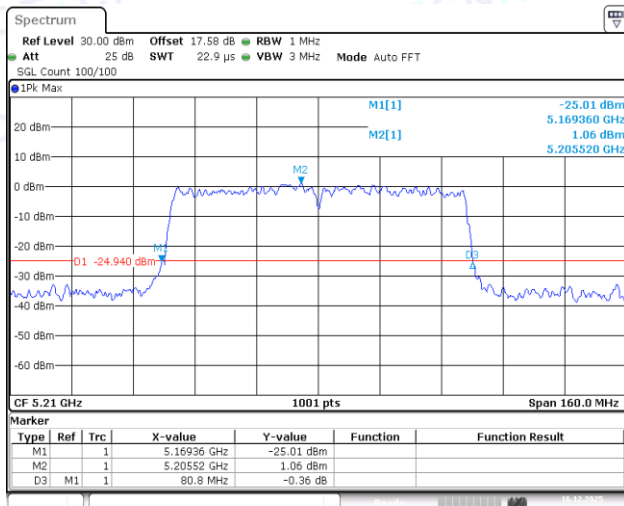


11AC40MIMO-Ant1-5190

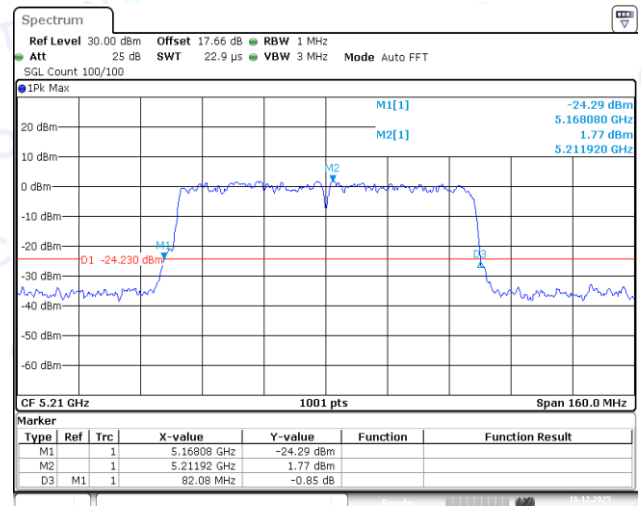
11AC40MIMO-Ant2-5190



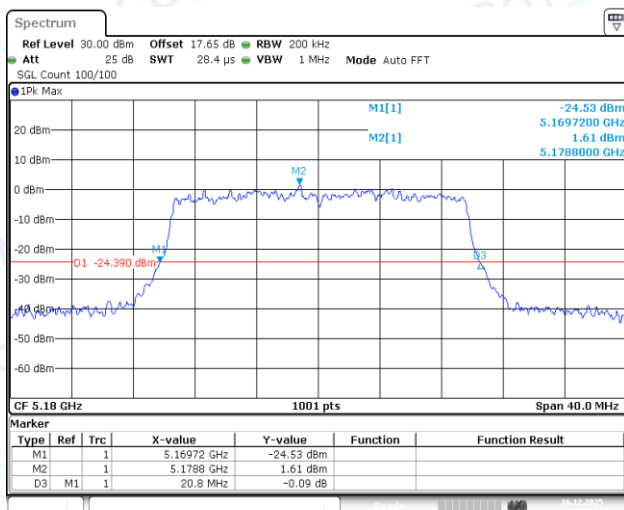
11AC40MIMO-Ant1-5230



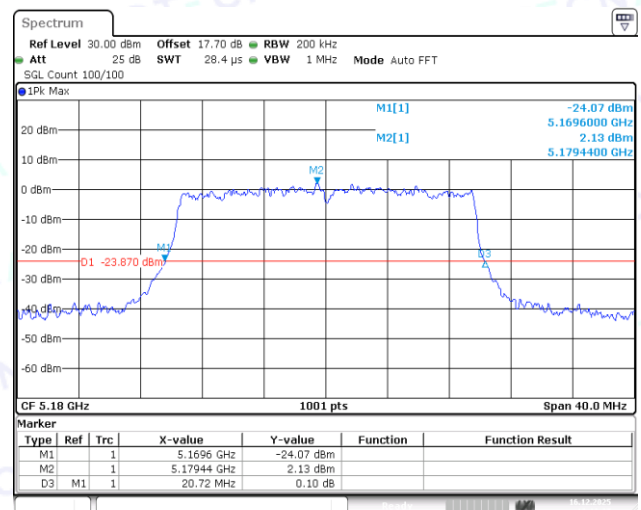
11AC40MIMO-Ant2-5230



11AC80MIMO-Ant1-5210



11AC80MIMO-Ant2-5210

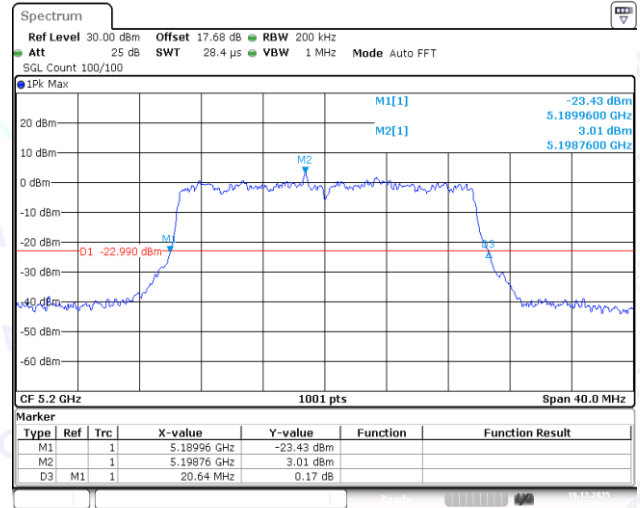
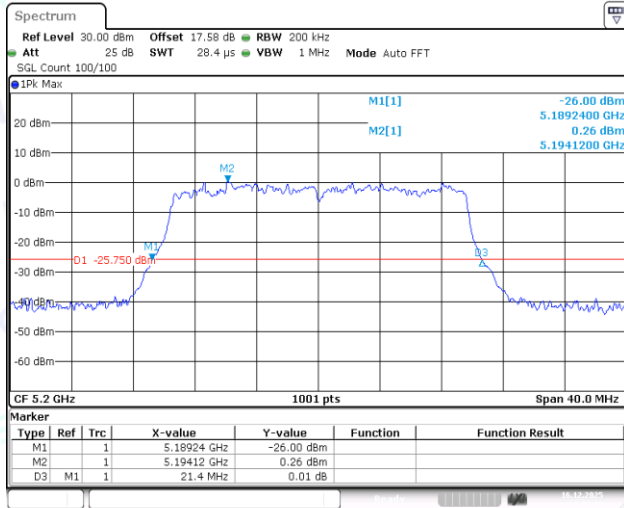


11AX20MIMO-Ant1-5180



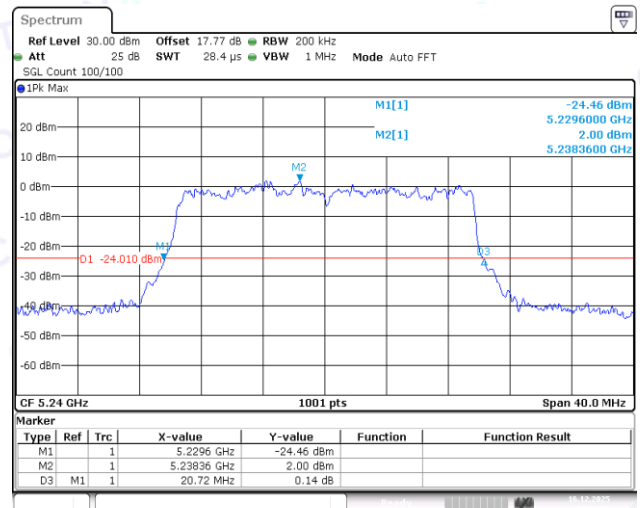
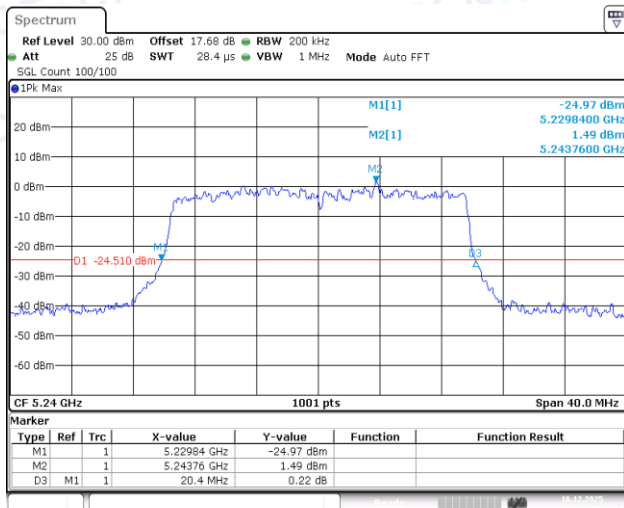
11AX20MIMO-Ant2-5180





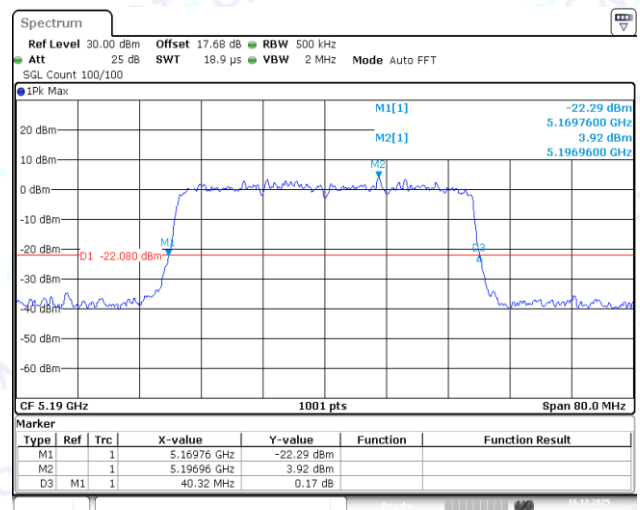
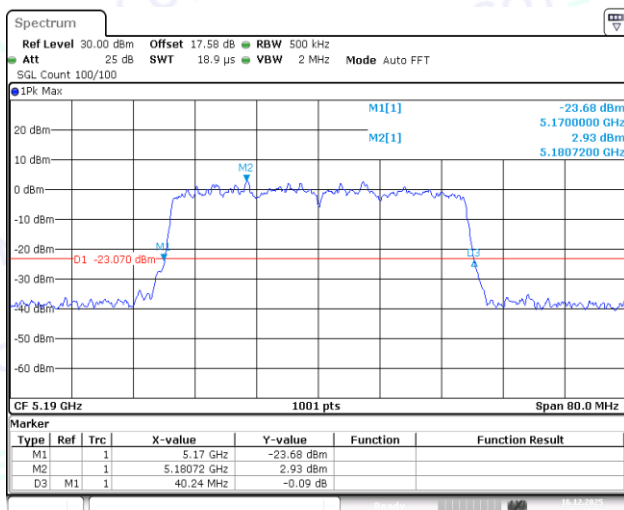
11AX20MIMO-Ant1-5200

11AX20MIMO-Ant2-5200



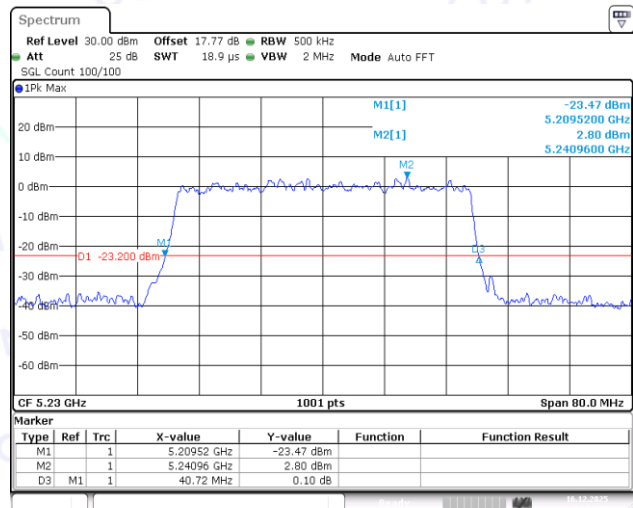
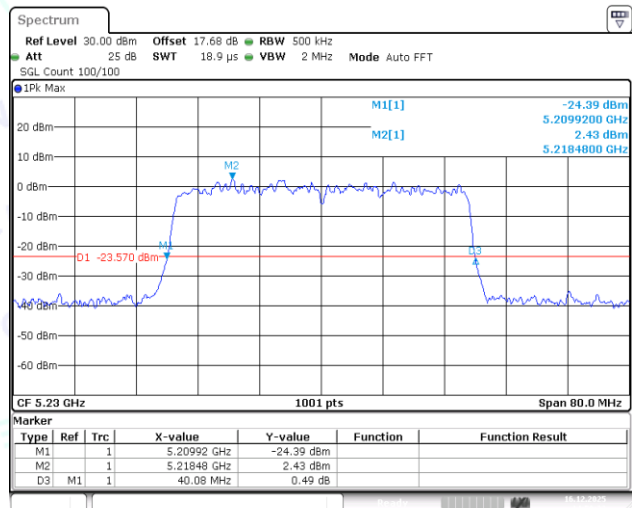
11AX20MIMO-Ant1-5240

11AX20MIMO-Ant2-5240



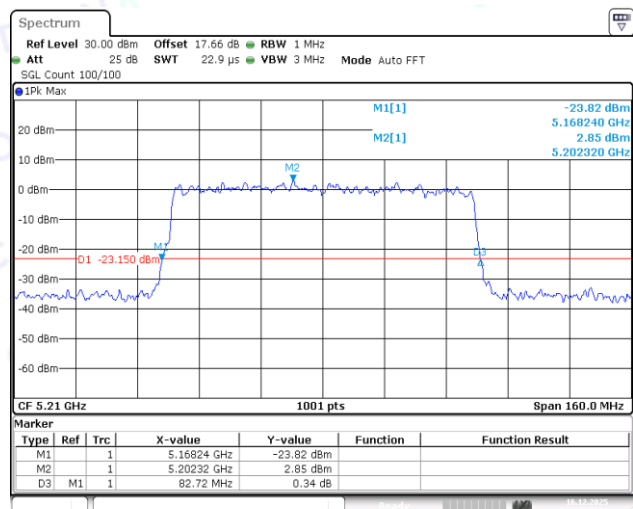
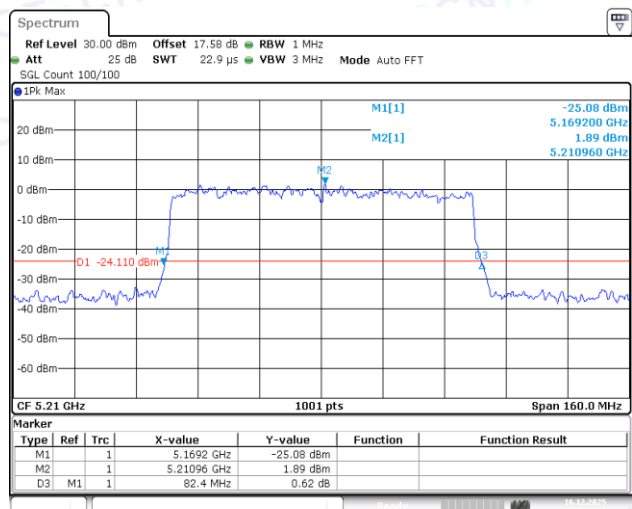
11AX40MIMO-Ant1-5190

11AX40MIMO-Ant2-5190



11AX40MIMO-Ant1-5230

11AX40MIMO-Ant2-5230



11AX80MIMO-Ant1-5210

11AX80MIMO-Ant2-5210

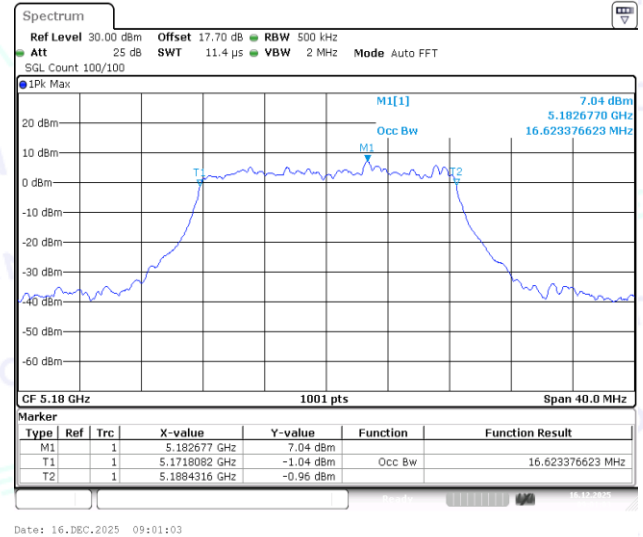
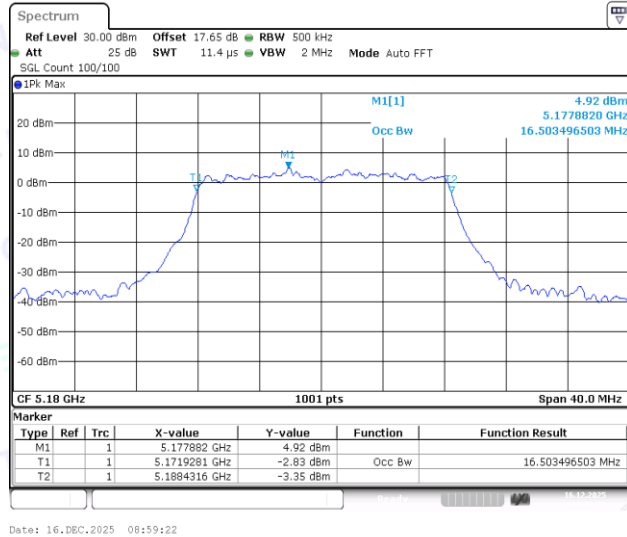
2: Occupied channel bandwidth

2.1 Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	16.503	5171.9281	5188.4316	---	---
11A-CDD	Ant2	5180	16.623	5171.8082	5188.4316	---	---
11A-CDD	Ant1	5200	16.543	5191.8082	5208.3516	---	---
11A-CDD	Ant2	5200	16.543	5191.8482	5208.3916	---	---
11A-CDD	Ant1	5240	16.583	5231.7682	5248.3516	---	---
11A-CDD	Ant2	5240	16.503	5231.8881	5248.3916	---	---
11A-CDD	Ant1	5745	16.663	5736.7283	5753.3916	---	---
11A-CDD	Ant2	5745	16.583	5736.8082	5753.3916	---	---
11A-CDD	Ant1	5785	16.583	5776.8881	5793.4715	---	---
11A-CDD	Ant2	5785	16.543	5776.8482	5793.3916	---	---
11A-CDD	Ant1	5825	16.583	5816.8482	5833.4316	---	---
11A-CDD	Ant2	5825	16.503	5816.8881	5833.3916	---	---
11N20MIMO	Ant1	5180	17.862	5171.0889	5188.9510	---	---
11N20MIMO	Ant2	5180	17.782	5171.2488	5189.0310	---	---
11N20MIMO	Ant1	5200	17.702	5191.2887	5208.9910	---	---
11N20MIMO	Ant2	5200	17.662	5191.2887	5208.9510	---	---
11N20MIMO	Ant1	5240	17.782	5231.2488	5249.0310	---	---
11N20MIMO	Ant2	5240	17.782	5231.2088	5248.9910	---	---
11N20MIMO	Ant1	5745	17.742	5736.2088	5753.9510	---	---
11N20MIMO	Ant2	5745	17.862	5736.1289	5753.9910	---	---
11N20MIMO	Ant1	5785	17.982	5776.0090	5793.9910	---	---
11N20MIMO	Ant2	5785	17.862	5776.2088	5794.0709	---	---
11N20MIMO	Ant1	5825	17.702	5816.2887	5833.9910	---	---
11N20MIMO	Ant2	5825	17.742	5816.2088	5833.9510	---	---
11N40MIMO	Ant1	5190	36.284	5171.9381	5208.2218	---	---
11N40MIMO	Ant2	5190	36.284	5171.9381	5208.2218	---	---
11N40MIMO	Ant1	5230	36.284	5211.9381	5248.2218	---	---
11N40MIMO	Ant2	5230	36.204	5212.0180	5248.2218	---	---
11N40MIMO	Ant1	5755	36.284	5736.9381	5773.2218	---	---
11N40MIMO	Ant2	5755	36.364	5736.8581	5773.2218	---	---
11N40MIMO	Ant1	5795	36.204	5777.0180	5813.2218	---	---
11N40MIMO	Ant2	5795	36.204	5777.0180	5813.2218	---	---
11AC20MIMO	Ant1	5180	17.702	5171.2887	5188.9910	---	---
11AC20MIMO	Ant2	5180	17.822	5171.1688	5188.9910	---	---
11AC20MIMO	Ant1	5200	17.742	5191.2488	5208.9910	---	---
11AC20MIMO	Ant2	5200	17.742	5191.2887	5209.0310	---	---
11AC20MIMO	Ant1	5240	17.862	5231.2488	5249.1109	---	---
11AC20MIMO	Ant2	5240	17.782	5231.1688	5248.9510	---	---
11AC20MIMO	Ant1	5745	17.782	5736.2088	5753.9910	---	---
11AC20MIMO	Ant2	5745	17.782	5736.2488	5754.0310	---	---
11AC20MIMO	Ant1	5785	17.782	5776.2488	5794.0310	---	---
11AC20MIMO	Ant2	5785	17.782	5776.2088	5793.9910	---	---

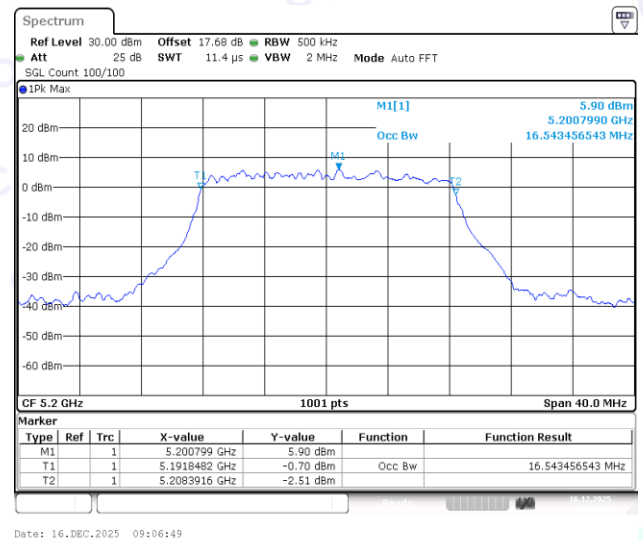
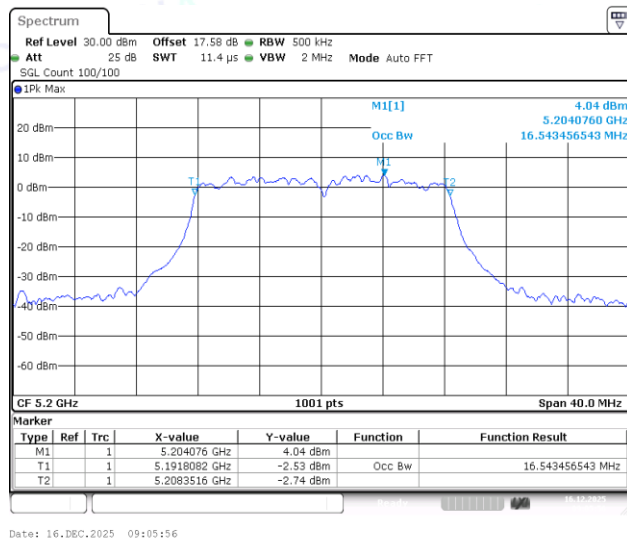
11AC20MIMO	Ant1	5825	17.902	5816.0889	5833.9910	---	---
11AC20MIMO	Ant2	5825	17.862	5816.2088	5834.0709	---	---
11AC40MIMO	Ant1	5190	36.284	5171.9381	5208.2218	---	---
11AC40MIMO	Ant2	5190	36.124	5172.0180	5208.1419	---	---
11AC40MIMO	Ant1	5230	36.364	5211.8581	5248.2218	---	---
11AC40MIMO	Ant2	5230	36.284	5211.9381	5248.2218	---	---
11AC40MIMO	Ant1	5755	36.444	5736.7782	5773.2218	---	---
11AC40MIMO	Ant2	5755	36.124	5737.0979	5773.2218	---	---
11AC40MIMO	Ant1	5795	36.204	5777.0180	5813.2218	---	---
11AC40MIMO	Ant2	5795	36.204	5777.0180	5813.2218	---	---
11AC80MIMO	Ant1	5210	75.604	5172.2777	5247.8821	---	---
11AC80MIMO	Ant2	5210	76.404	5171.7982	5248.2018	---	---
11AC80MIMO	Ant1	5775	75.604	5737.2777	5812.8821	---	---
11AC80MIMO	Ant2	5775	76.084	5736.9580	5813.0420	---	---
11AX20MIMO	Ant1	5180	18.941	5170.6494	5189.5904	---	---
11AX20MIMO	Ant2	5180	19.021	5170.6094	5189.6304	---	---
11AX20MIMO	Ant1	5200	18.981	5190.5694	5209.5504	---	---
11AX20MIMO	Ant2	5200	18.981	5190.6094	5209.5904	---	---
11AX20MIMO	Ant1	5240	19.021	5230.6094	5249.6304	---	---
11AX20MIMO	Ant2	5240	18.901	5230.6494	5249.5504	---	---
11AX20MIMO	Ant1	5745	19.181	5735.4895	5754.6703	---	---
11AX20MIMO	Ant2	5745	18.981	5735.6494	5754.6304	---	---
11AX20MIMO	Ant1	5785	19.101	5775.6094	5794.7103	---	---
11AX20MIMO	Ant2	5785	19.221	5775.4895	5794.7103	---	---
11AX20MIMO	Ant1	5825	18.941	5815.6494	5834.5904	---	---
11AX20MIMO	Ant2	5825	19.141	5815.5295	5834.6703	---	---
11AX40MIMO	Ant1	5190	37.962	5171.1389	5209.1009	---	---
11AX40MIMO	Ant2	5190	37.882	5171.0589	5208.9411	---	---
11AX40MIMO	Ant1	5230	37.882	5211.1389	5249.0210	---	---
11AX40MIMO	Ant2	5230	37.802	5211.1389	5248.9411	---	---
11AX40MIMO	Ant1	5755	37.962	5735.9790	5773.9411	---	---
11AX40MIMO	Ant2	5755	38.122	5736.0589	5774.1808	---	---
11AX40MIMO	Ant1	5795	38.042	5776.1389	5814.1808	---	---
11AX40MIMO	Ant2	5795	37.802	5776.2188	5814.0210	---	---
11AX80MIMO	Ant1	5210	77.522	5171.3187	5248.8412	---	---
11AX80MIMO	Ant2	5210	77.842	5170.8392	5248.6813	---	---
11AX80MIMO	Ant1	5775	77.842	5736.1588	5814.0010	---	---
11AX80MIMO	Ant2	5775	77.842	5736.1588	5814.0010	---	---

2.2 Test Graphs



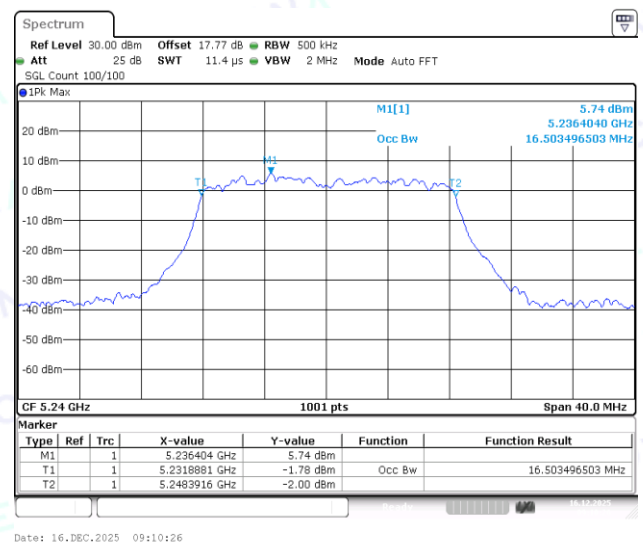
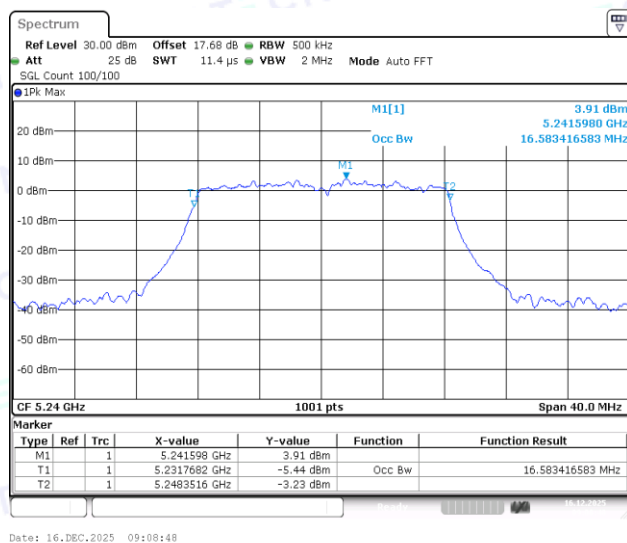
11A-CDD-Ant1-5180

11A-CDD-Ant2-5180



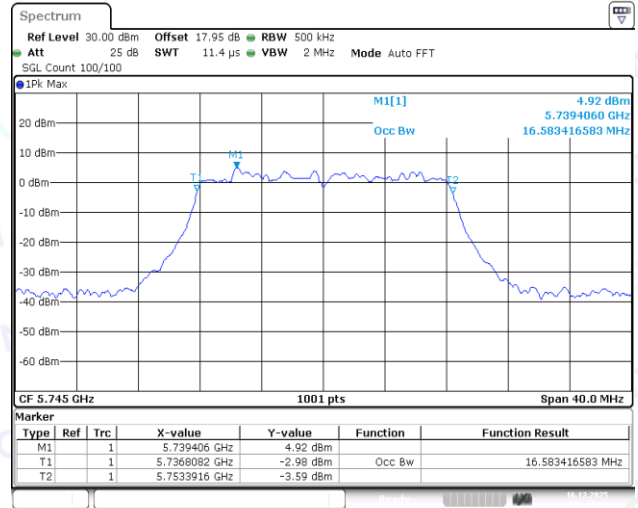
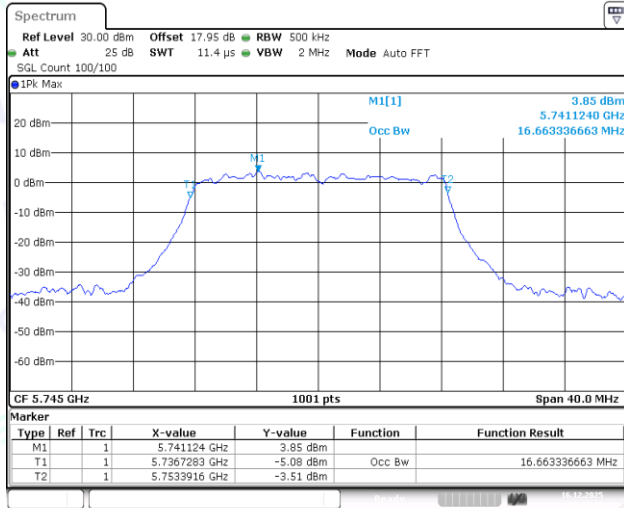
11A-CDD-Ant1-5200

11A-CDD-Ant2-5200



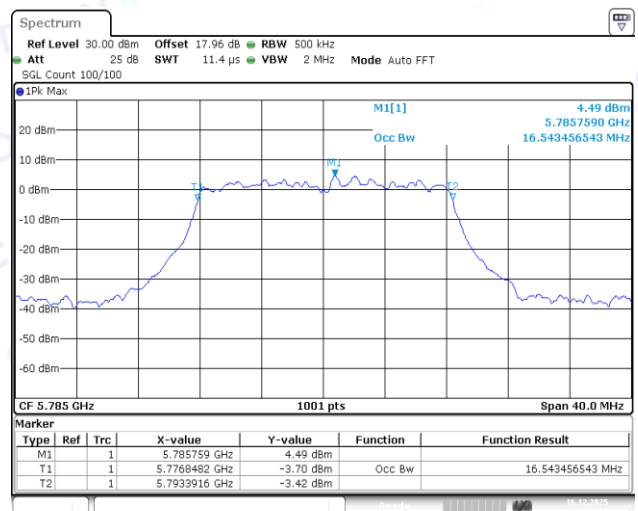
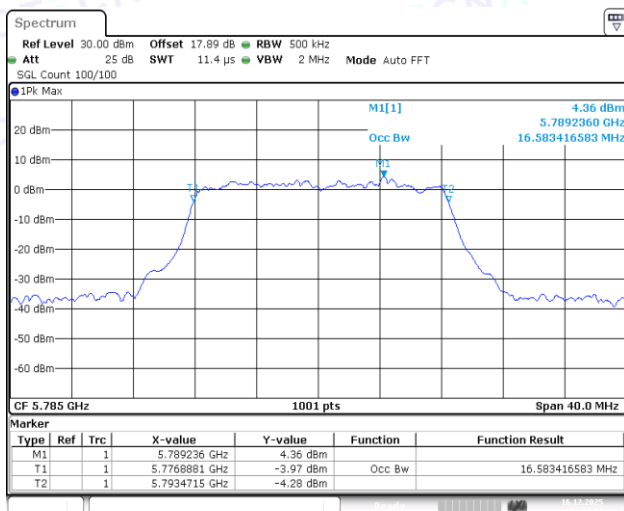
11A-CDD-Ant1-5240

11A-CDD-Ant2-5240



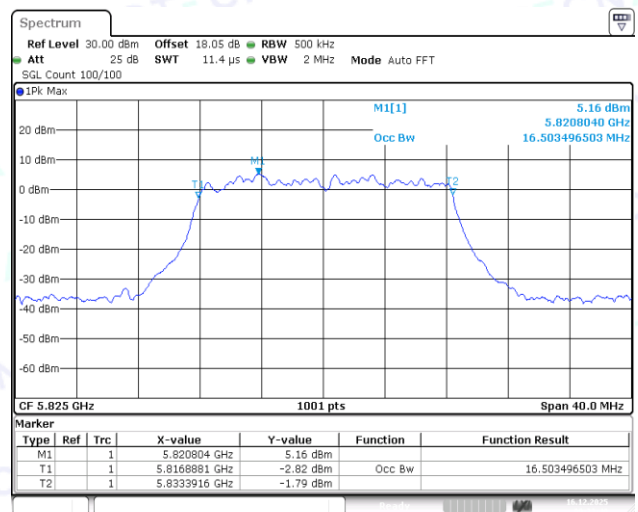
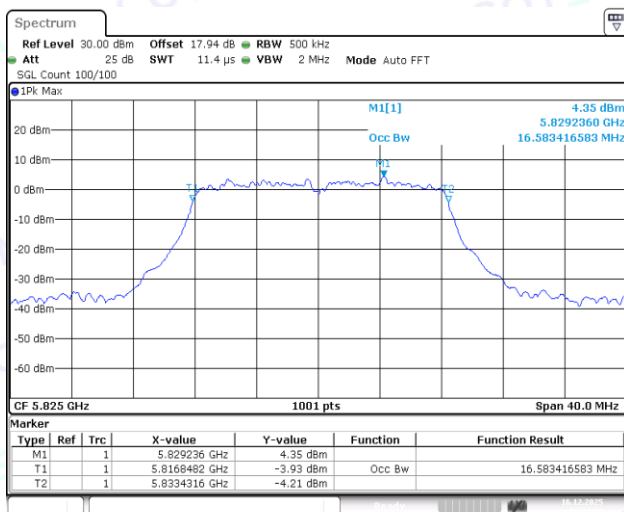
11A-CDD-Ant1-5745

11A-CDD-Ant2-5745



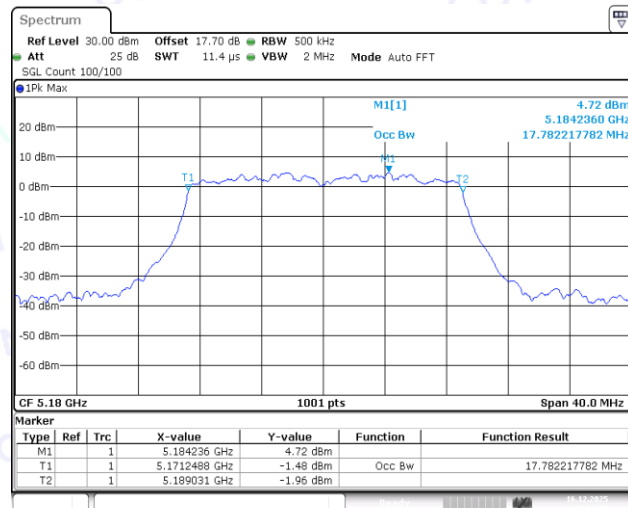
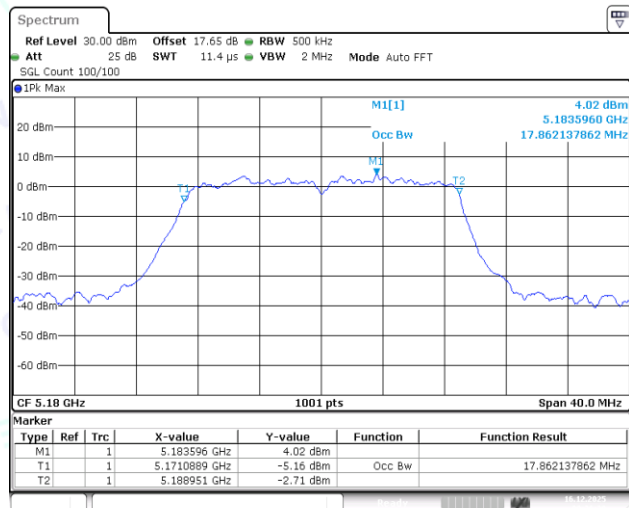
11A-CDD-Ant1-5785

11A-CDD-Ant2-5785



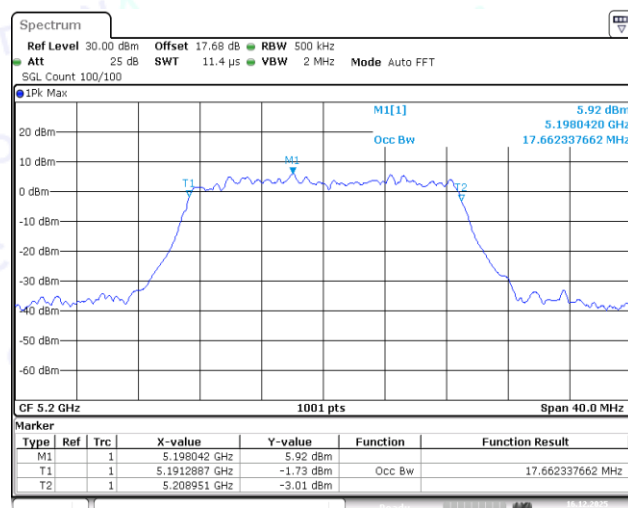
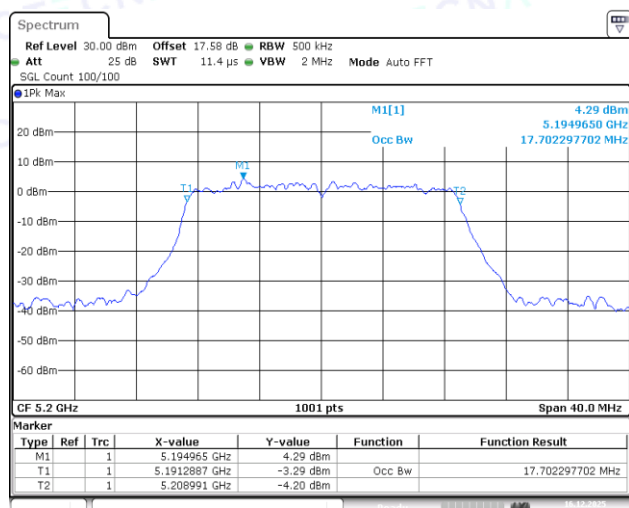
11A-CDD-Ant1-5825

11A-CDD-Ant2-5825



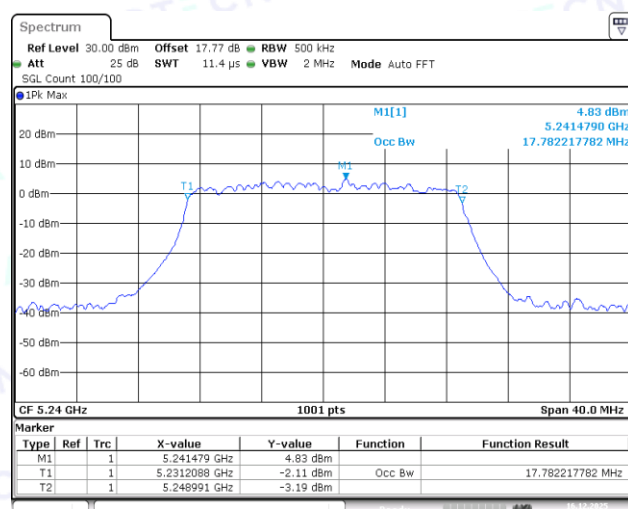
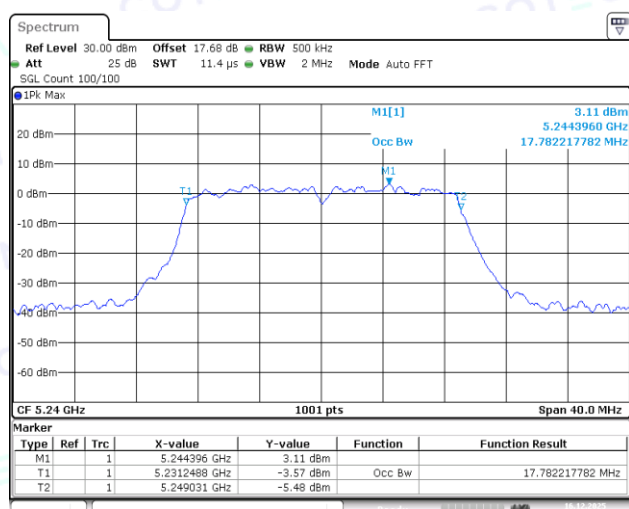
11N20MIMO-Ant1-5180

11N20MIMO-Ant2-5180



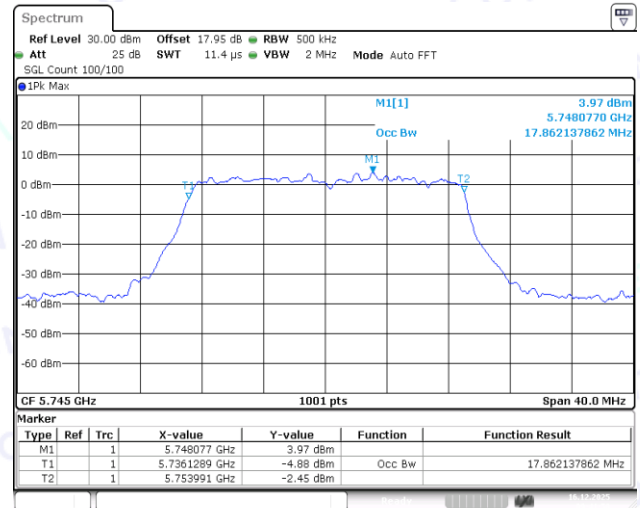
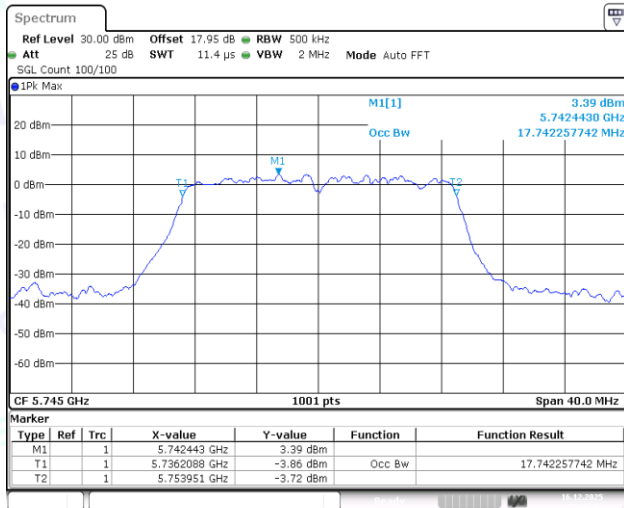
11N20MIMO-Ant1-5200

11N20MIMO-Ant2-5200



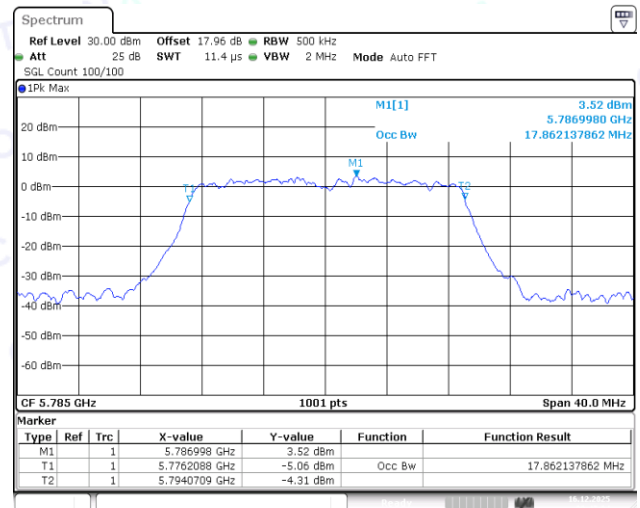
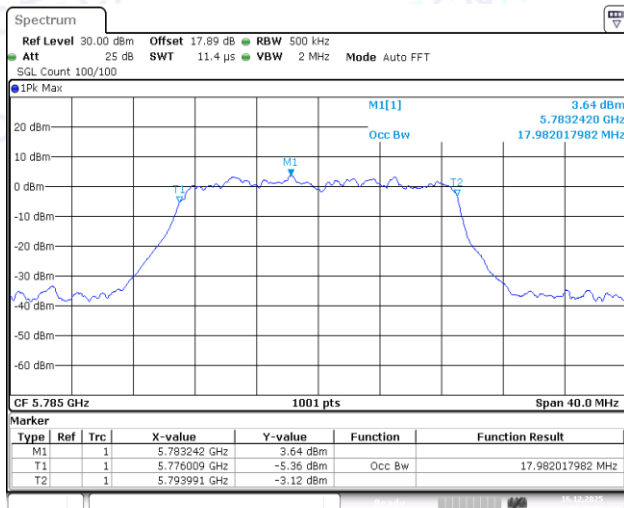
11N20MIMO-Ant1-5240

11N20MIMO-Ant2-5240



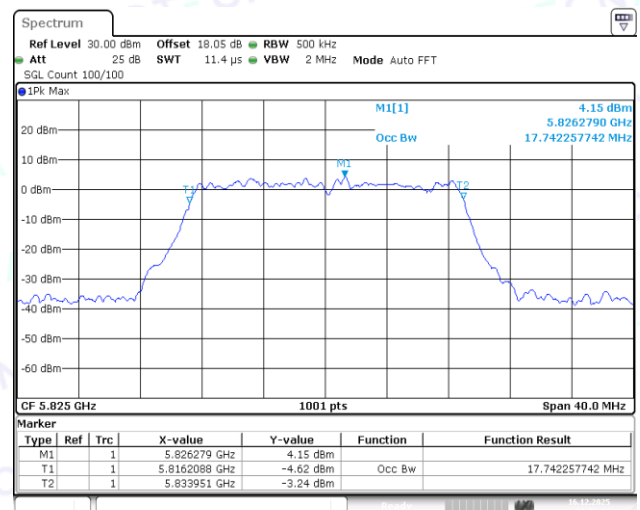
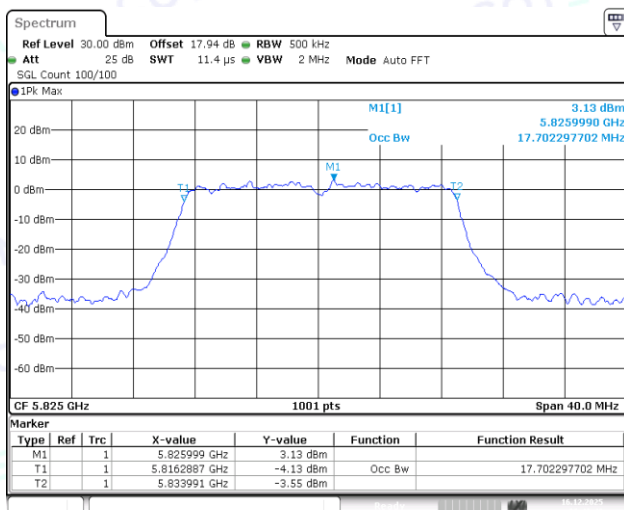
11N20MIMO-Ant1-5745

11N20MIMO-Ant2-5745



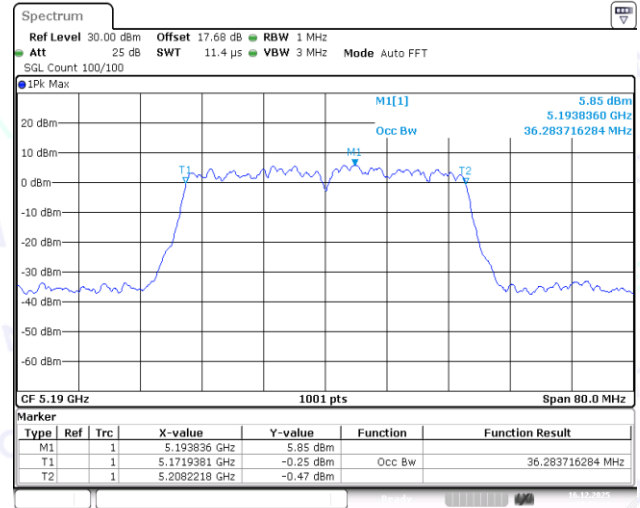
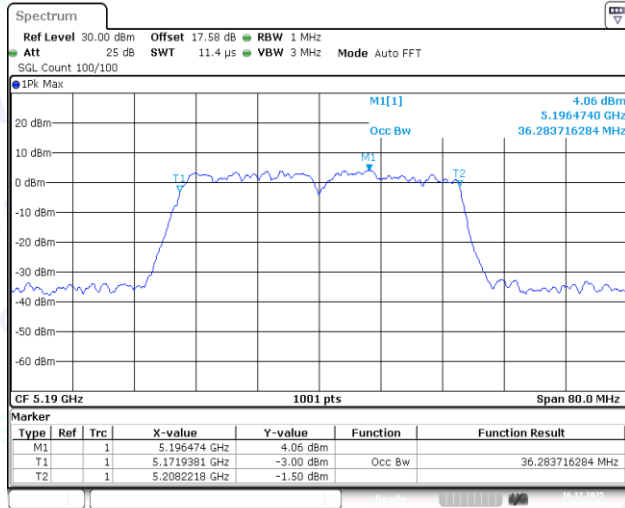
11N20MIMO-Ant1-5785

11N20MIMO-Ant2-5785

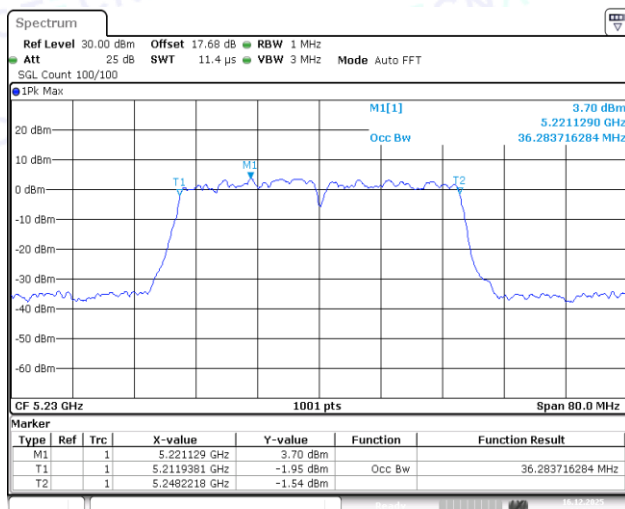


11N20MIMO-Ant1-5825

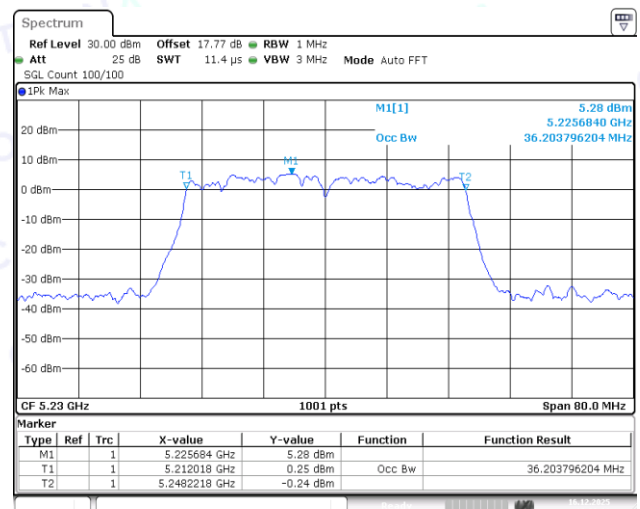
11N20MIMO-Ant2-5825



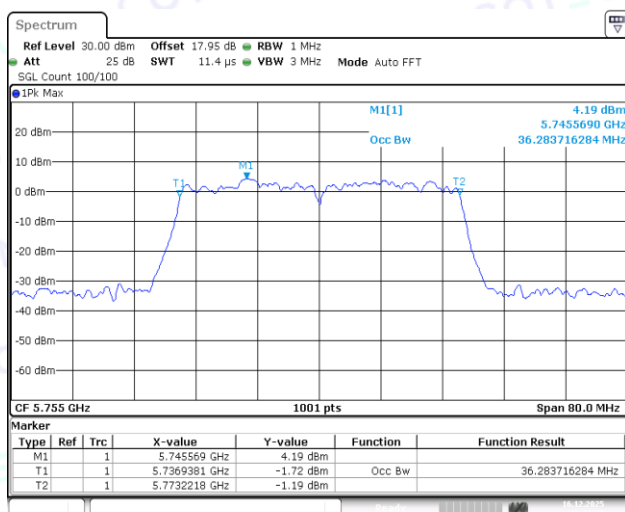
11N40MIMO-Ant1-5190



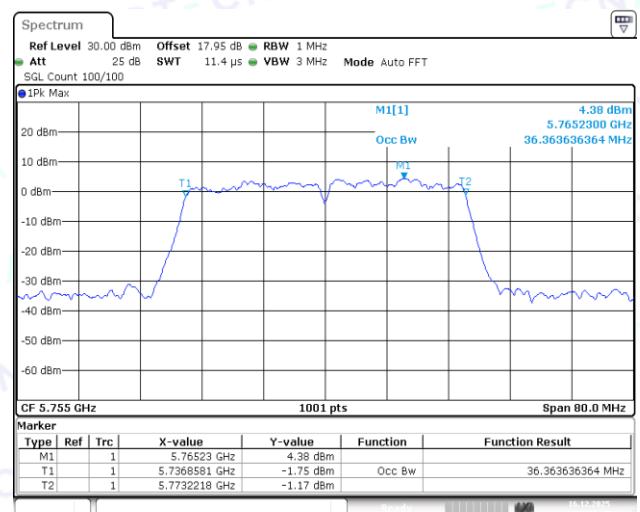
11N40MIMO-Ant2-5190



11N40MIMO-Ant1-5230



11N40MIMO-Ant2-5230

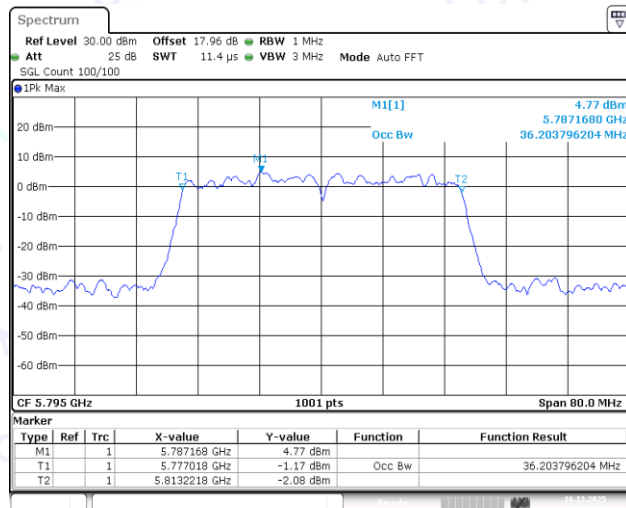
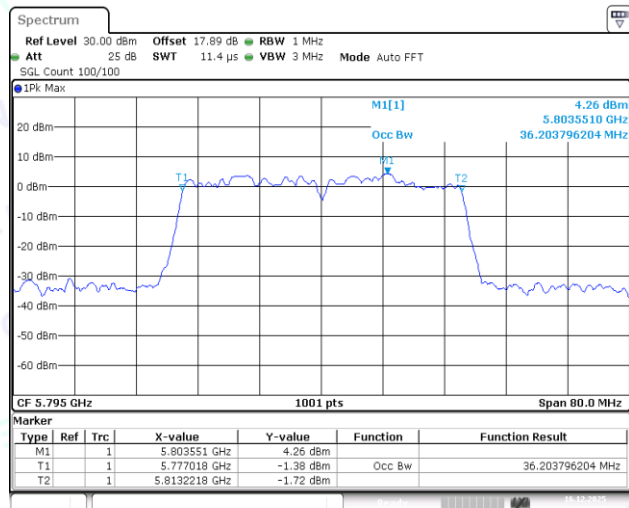


11N40MIMO-Ant1-5755



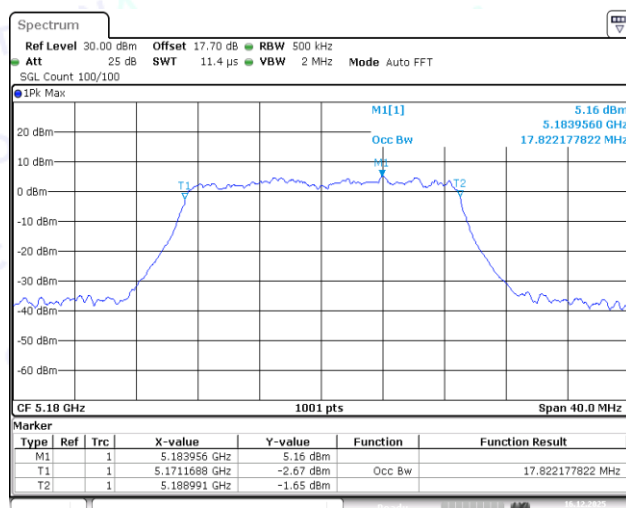
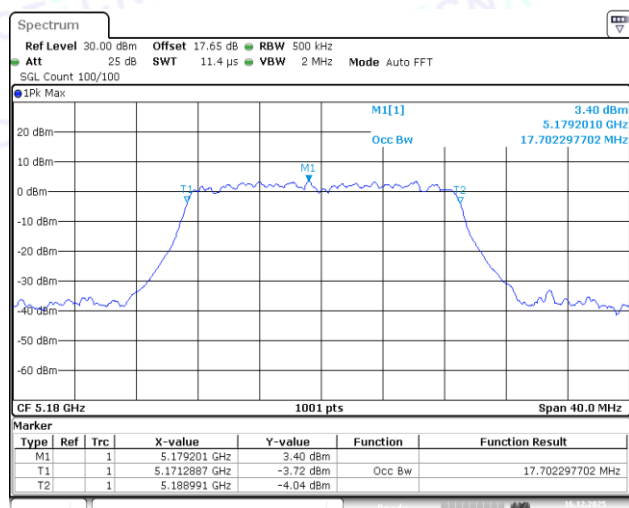
11N40MIMO-Ant2-5755





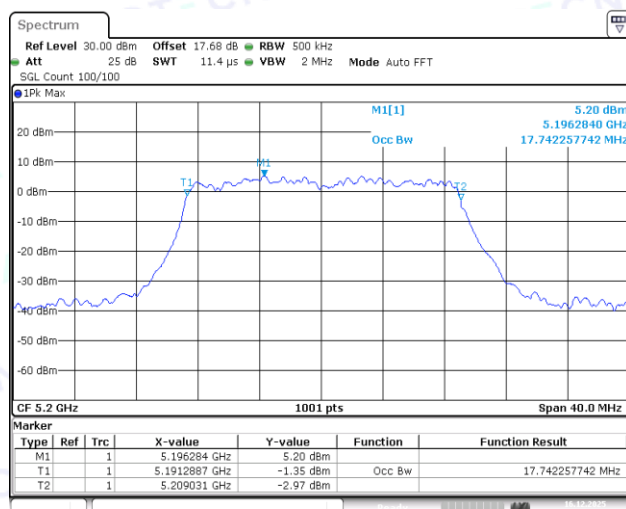
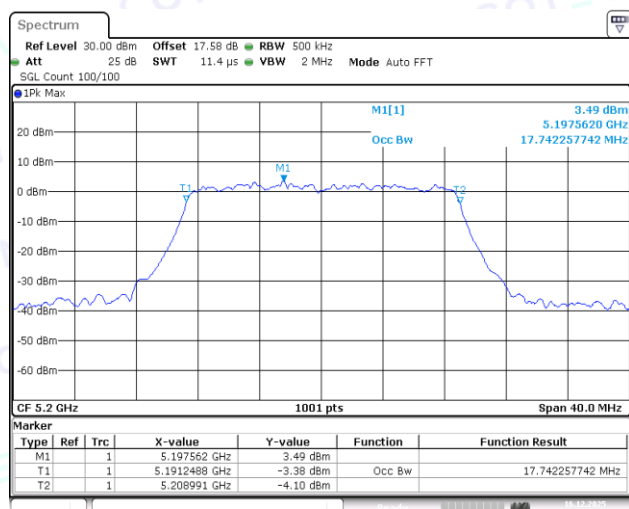
11N40MIMO-Ant1-5795

11N40MIMO-Ant2-5795



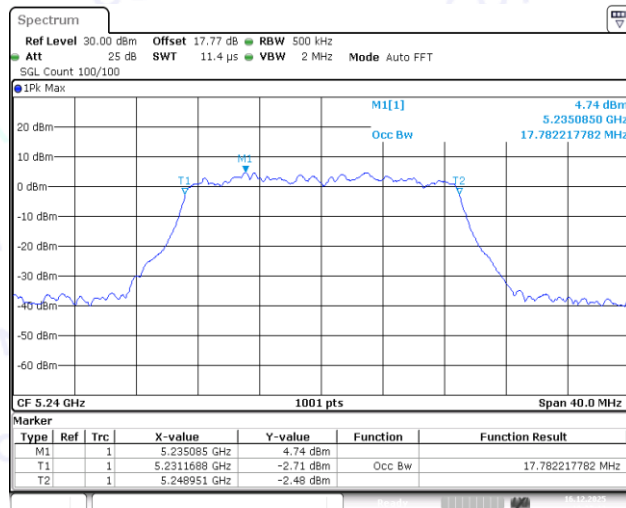
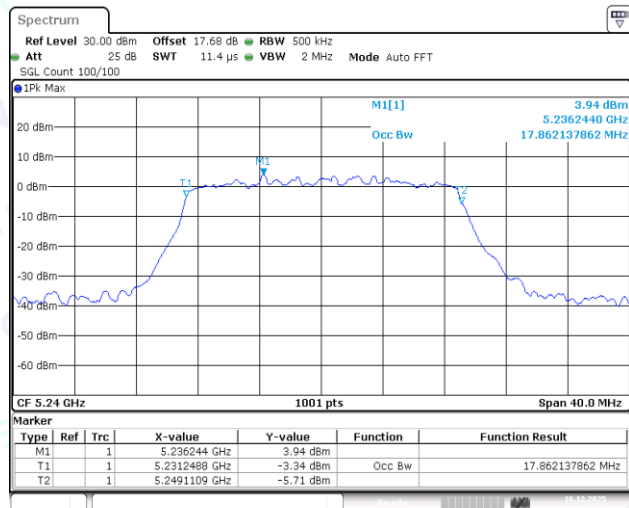
11AC20MIMO-Ant1-5180

11AC20MIMO-Ant2-5180



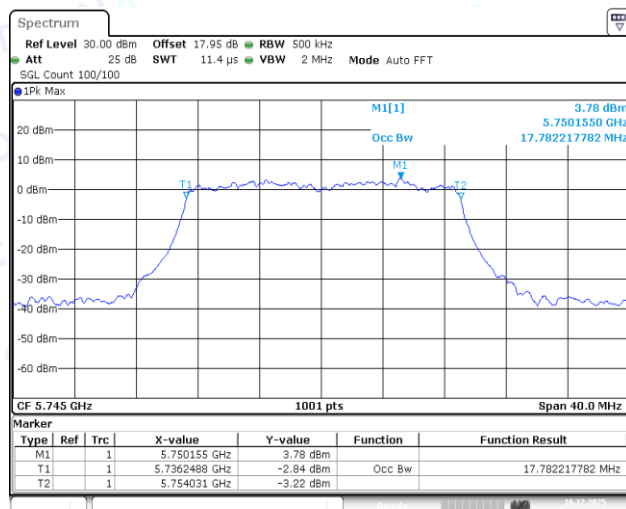
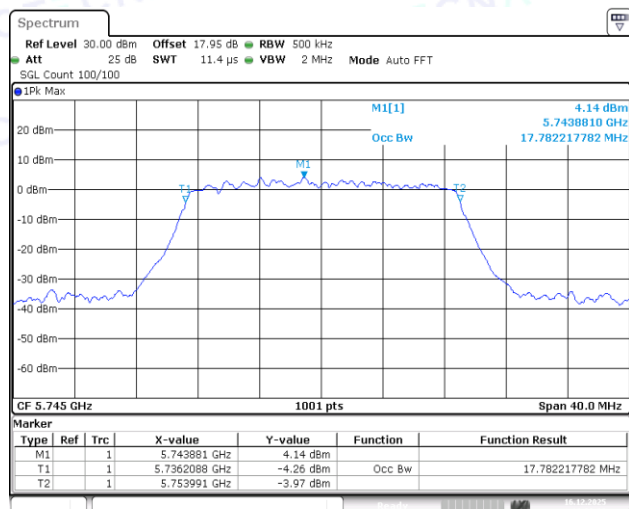
11AC20MIMO-Ant1-5200

11AC20MIMO-Ant2-5200



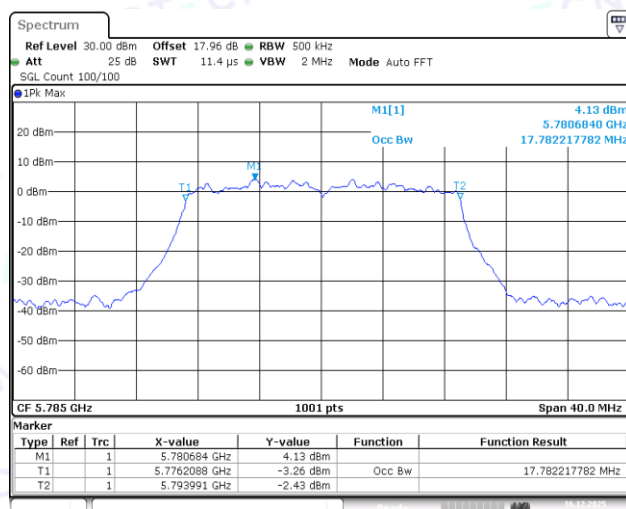
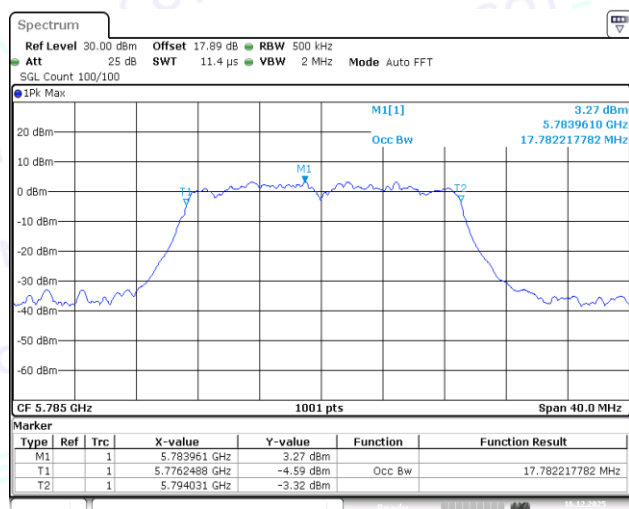
11AC20MIMO-Ant1-5240

11AC20MIMO-Ant2-5240



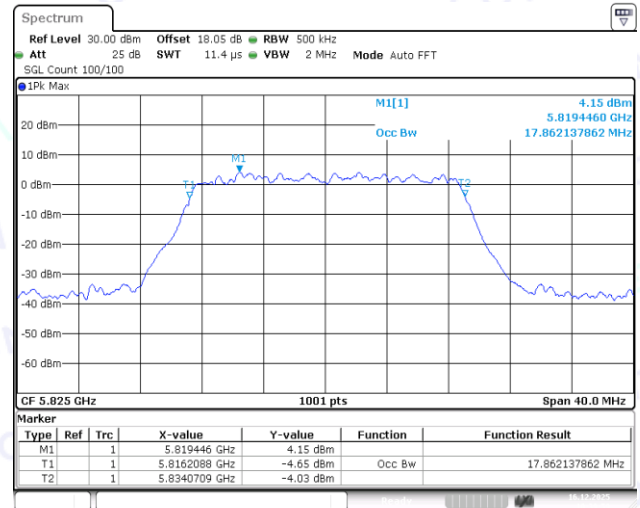
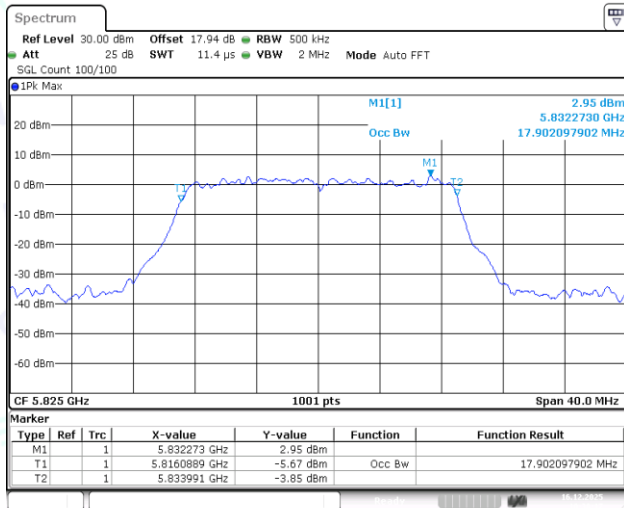
11AC20MIMO-Ant1-5745

11AC20MIMO-Ant2-5745



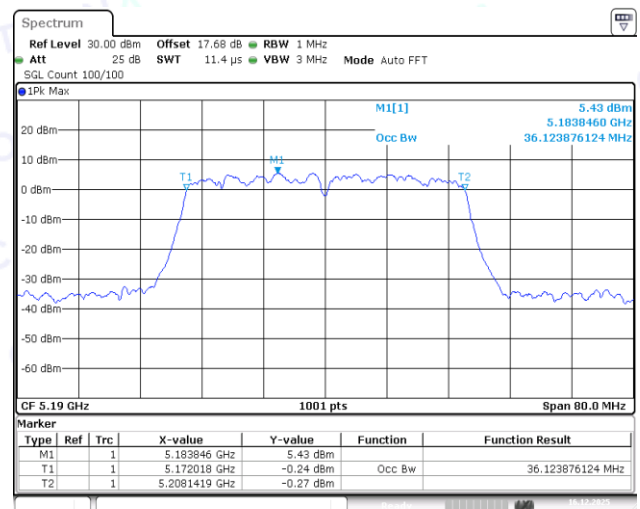
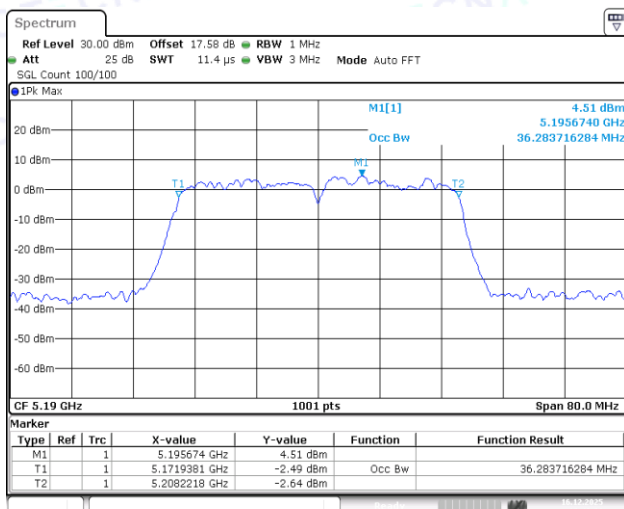
11AC20MIMO-Ant1-5785

11AC20MIMO-Ant2-5785



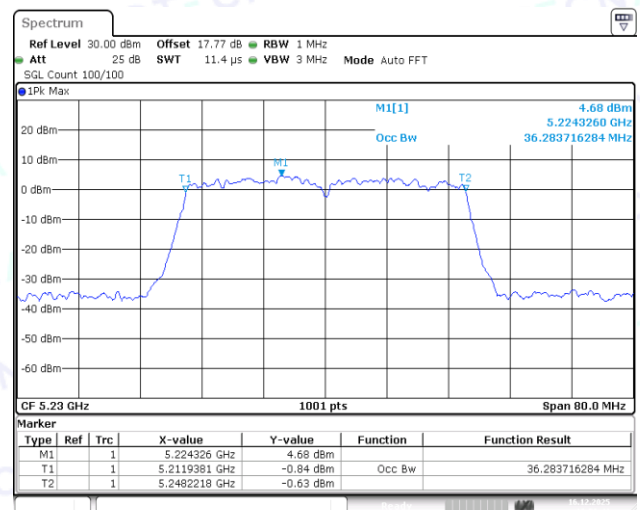
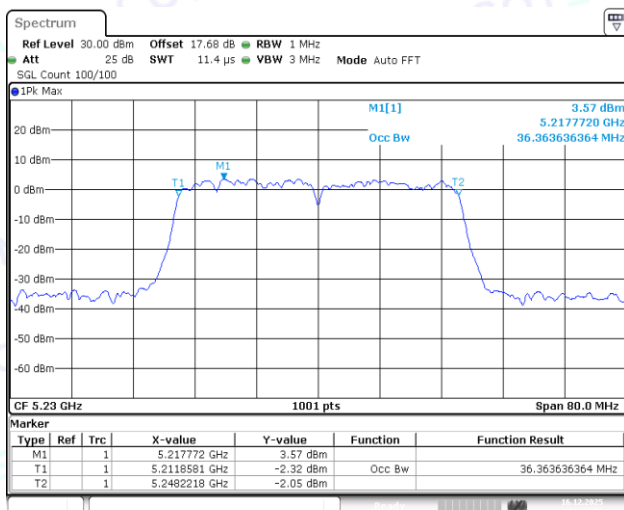
11AC20MIMO-Ant1-5825

11AC20MIMO-Ant2-5825



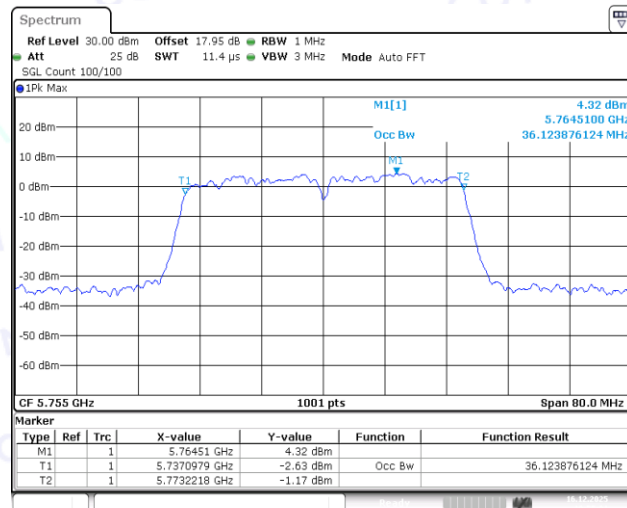
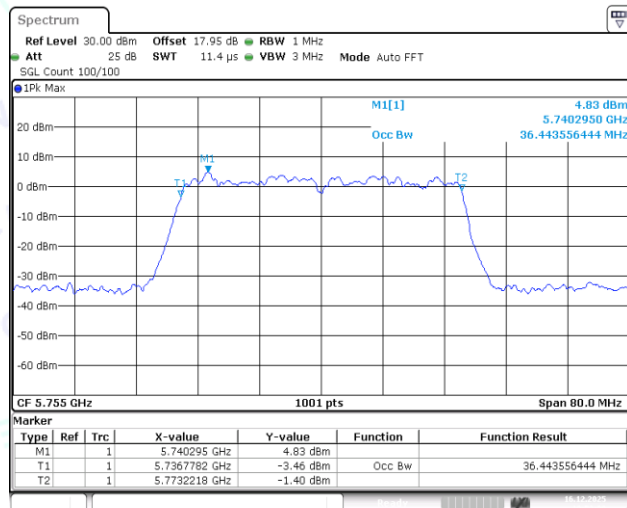
11AC40MIMO-Ant1-5190

11AC40MIMO-Ant2-5190



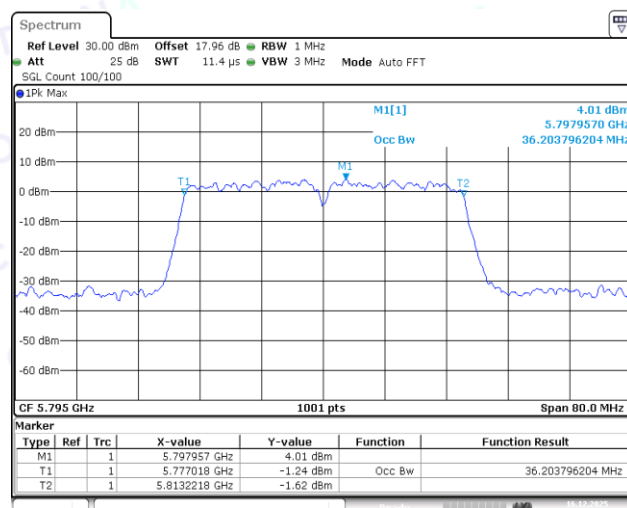
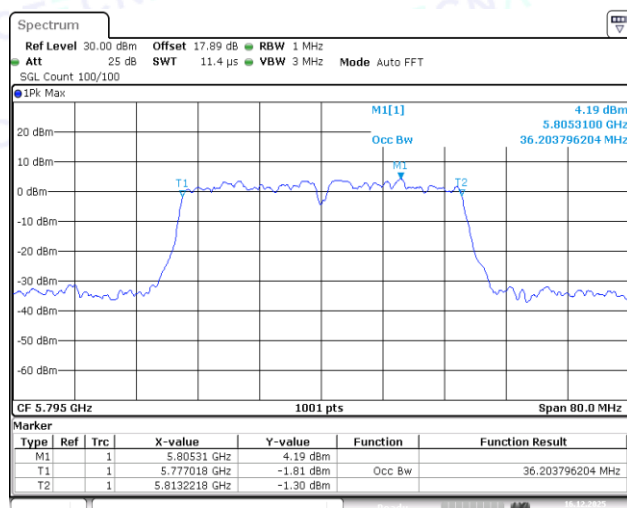
11AC40MIMO-Ant1-5230

11AC40MIMO-Ant2-5230



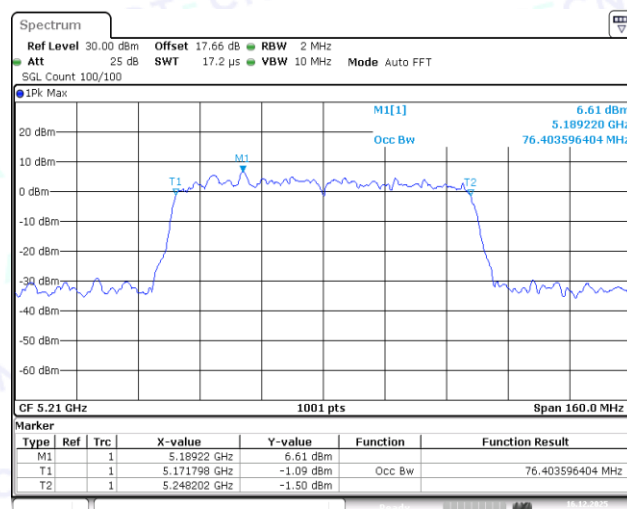
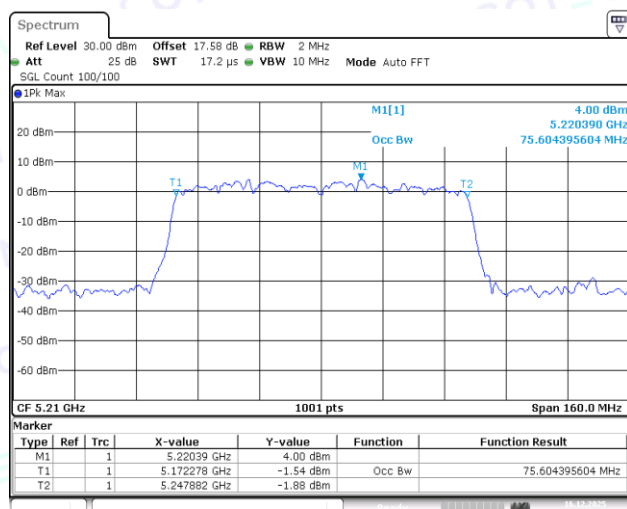
11AC40MIMO-Ant1-5755

11AC40MIMO-Ant2-5755



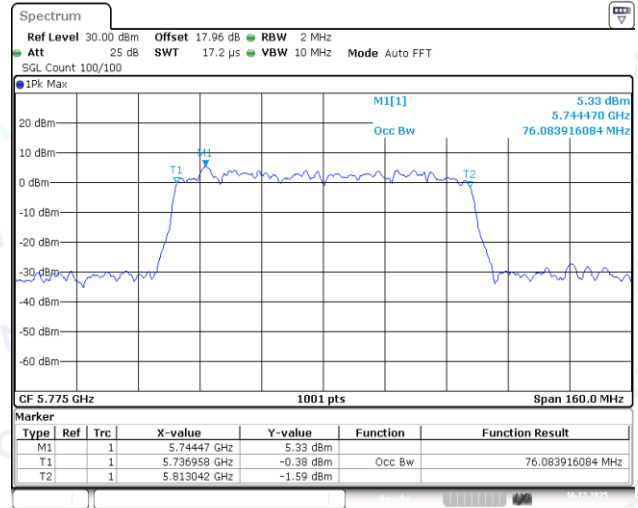
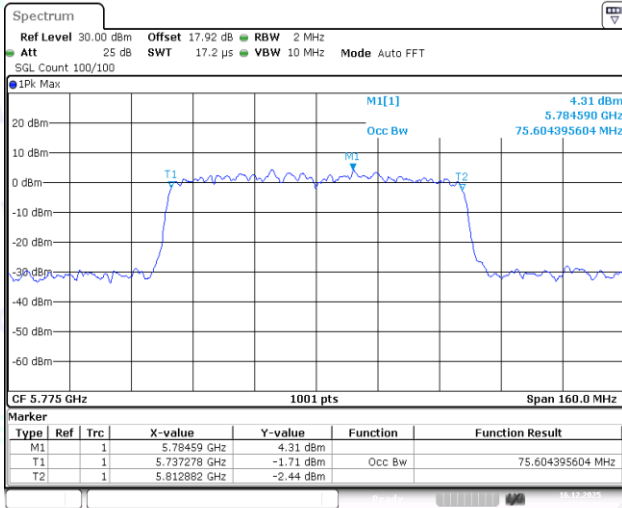
11AC40MIMO-Ant1-5795

11AC40MIMO-Ant2-5795



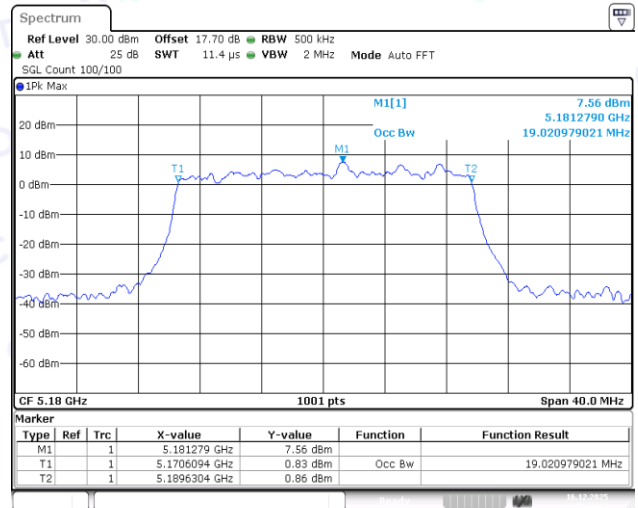
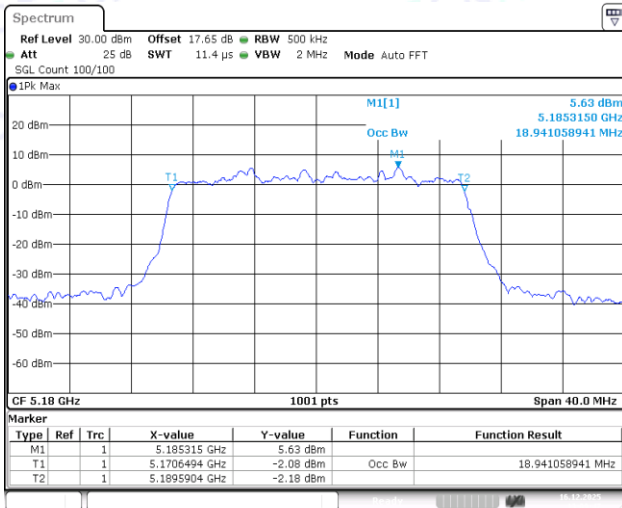
11AC80MIMO-Ant1-5210

11AC80MIMO-Ant2-5210



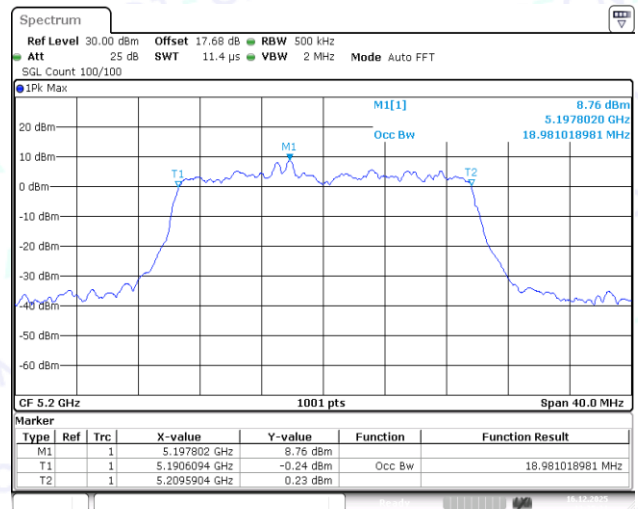
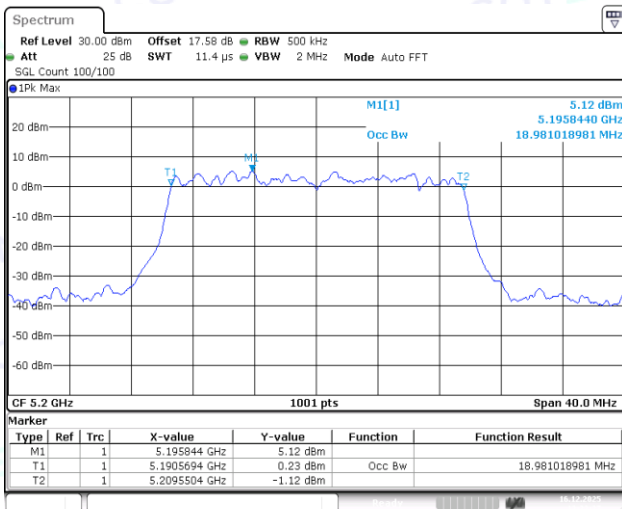
11AC80MIMO-Ant1-5775

11AC80MIMO-Ant2-5775



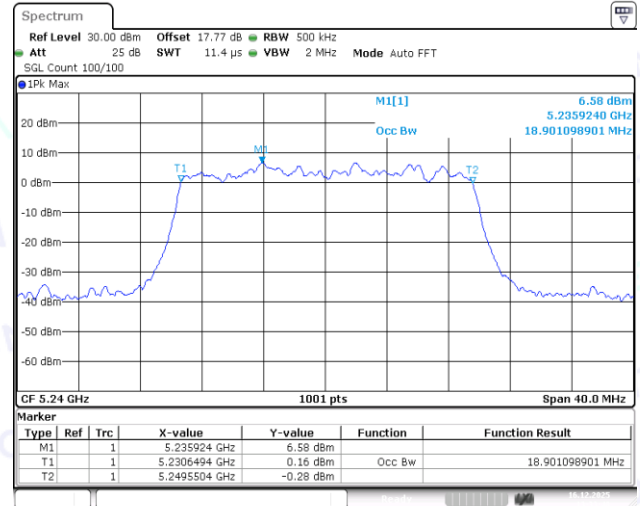
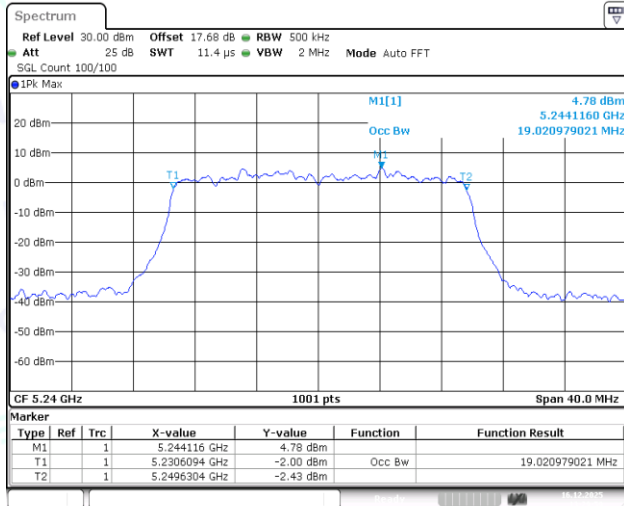
11AX20MIMO-Ant1-5180

11AX20MIMO-Ant2-5180



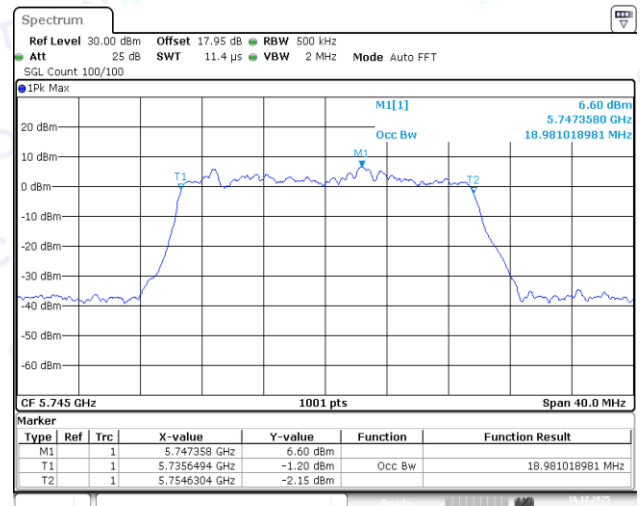
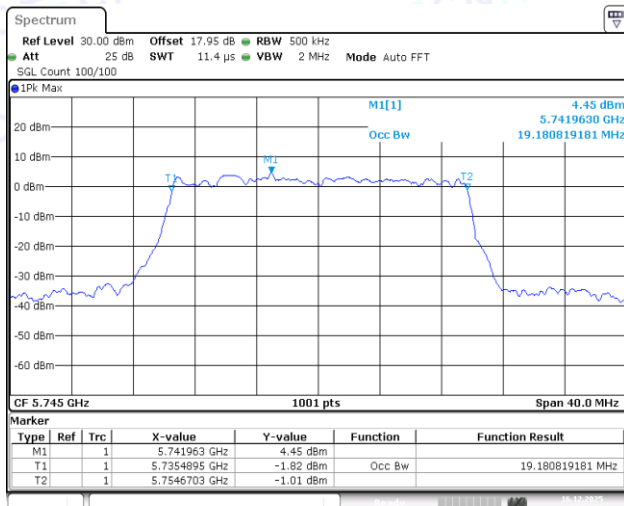
11AX20MIMO-Ant1-5200

11AX20MIMO-Ant2-5200



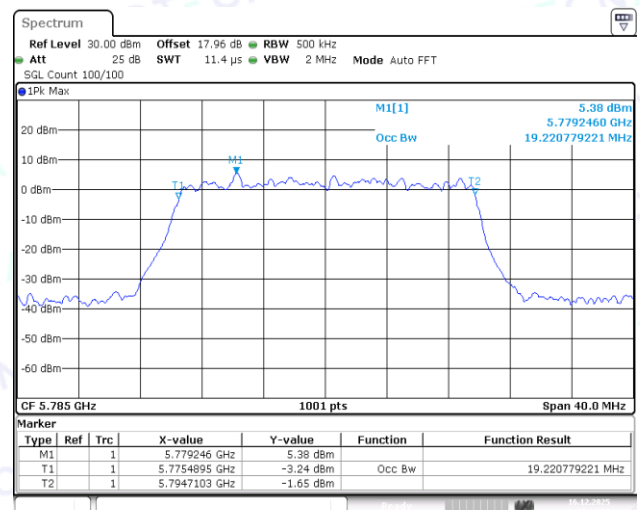
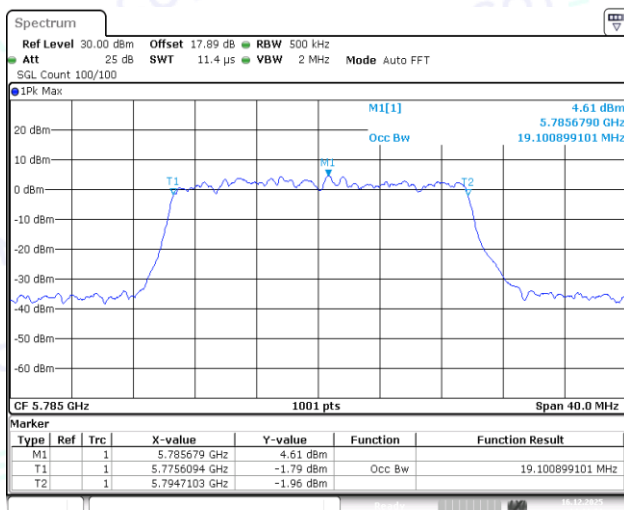
11AX20MIMO-Ant1-5240

11AX20MIMO-Ant2-5240



11AX20MIMO-Ant1-5745

11AX20MIMO-Ant2-5745



11AX20MIMO-Ant1-5785

11AX20MIMO-Ant2-5785