

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

General Description of EUT	
EUT Name:	Portable Gaming Computer(Tablet computer)
Model:	AYANEO Pocket EVO
Sample ID:	HC-C-202411-0249-01-03-2#
Test Standard:	FCC Part 15.407
Environmental Conditions	
Ambient Temperature:	24.8℃
Ambient Humidity:	48%RH
Test Power Supply:	DC 3.87V
Test Engineer:	ZKN. ZHOU
Note: For a more detailed features description, please refer to the report TBR-C-202411-0249-73	

Contents

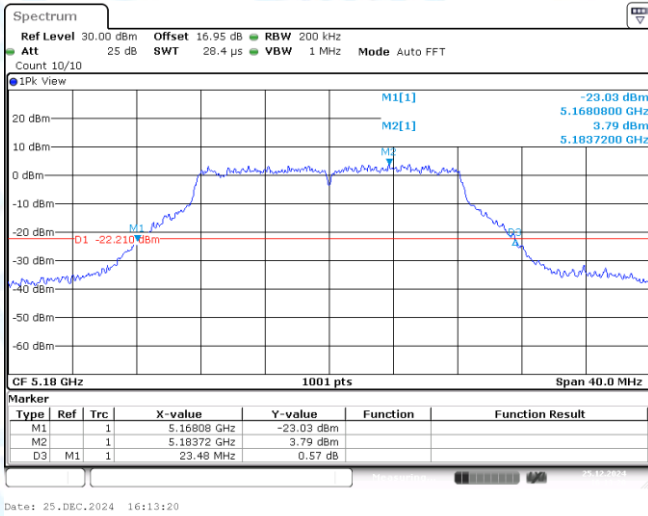
1: Emission Bandwidth	3
1.1 Test Result.....	3
1.2 Test Graphs	4
2: Occupied channel bandwidth.....	11
2.1 Test Result.....	11
2.2 Test Graphs	13
3: Min emission bandwidth	27
3.1 Test Result-B4.....	27
3.2 Test Graphs-B4.....	28
4: Duty Cycle.....	35
4.1 Test Result.....	35
4.2 Test Graphs	37
5: Maximum 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
7.3 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

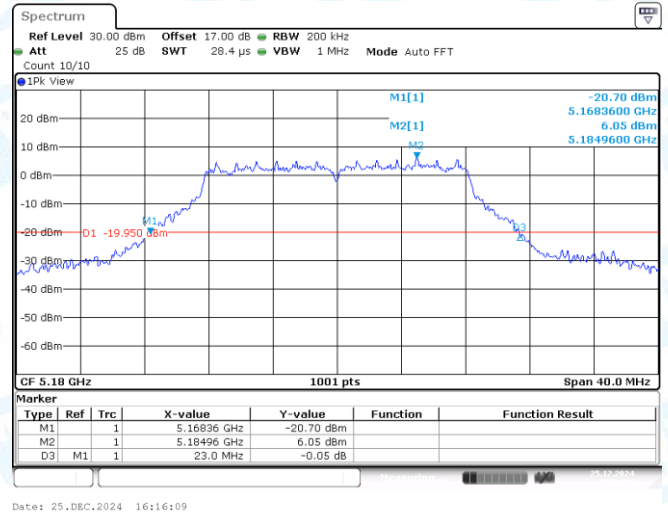
1.1 Test Result

TestMode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	23.48	5168.08	5191.56	---	---
11A-CDD	Ant2	5180	23.00	5168.36	5191.36	---	---
11A-CDD	Ant1	5200	23.04	5188.20	5211.24	---	---
11A-CDD	Ant2	5200	23.36	5187.96	5211.32	---	---
11A-CDD	Ant1	5240	23.24	5228.20	5251.44	---	---
11A-CDD	Ant2	5240	22.92	5228.36	5251.28	---	---
11N20MIMO	Ant1	5180	23.40	5168.04	5191.44	---	---
11N20MIMO	Ant2	5180	23.36	5167.96	5191.32	---	---
11N20MIMO	Ant1	5200	23.60	5188.40	5212.00	---	---
11N20MIMO	Ant2	5200	23.40	5188.12	5211.52	---	---
11N20MIMO	Ant1	5240	23.44	5228.16	5251.60	---	---
11N20MIMO	Ant2	5240	24.16	5227.40	5251.56	---	---
11N40MIMO	Ant1	5190	45.44	5166.64	5212.08	---	---
11N40MIMO	Ant2	5190	44.24	5167.44	5211.68	---	---
11N40MIMO	Ant1	5230	44.48	5207.92	5252.40	---	---
11N40MIMO	Ant2	5230	45.68	5206.72	5252.40	---	---
11AC20MIMO	Ant1	5180	23.04	5168.40	5191.44	---	---
11AC20MIMO	Ant2	5180	23.48	5168.04	5191.52	---	---
11AC20MIMO	Ant1	5200	23.16	5188.20	5211.36	---	---
11AC20MIMO	Ant2	5200	23.68	5187.76	5211.44	---	---
11AC20MIMO	Ant1	5240	23.40	5228.28	5251.68	---	---
11AC20MIMO	Ant2	5240	23.48	5227.96	5251.44	---	---
11AC40MIMO	Ant1	5190	44.88	5167.52	5212.40	---	---
11AC40MIMO	Ant2	5190	44.32	5168.08	5212.40	---	---
11AC40MIMO	Ant1	5230	45.28	5207.04	5252.32	---	---
11AC40MIMO	Ant2	5230	45.44	5206.64	5252.08	---	---
11AC80MIMO	Ant1	5210	84.96	5167.60	5252.56	---	---
11AC80MIMO	Ant2	5210	84.96	5168.40	5253.36	---	---
11AX20MIMO	Ant1	5180	23.44	5168.16	5191.60	---	---
11AX20MIMO	Ant2	5180	23.08	5168.08	5191.16	---	---
11AX20MIMO	Ant1	5200	23.28	5188.00	5211.28	---	---
11AX20MIMO	Ant2	5200	23.12	5188.20	5211.32	---	---
11AX20MIMO	Ant1	5240	23.44	5228.40	5251.84	---	---
11AX20MIMO	Ant2	5240	23.92	5227.72	5251.64	---	---
11AX40MIMO	Ant1	5190	42.64	5168.72	5211.36	---	---
11AX40MIMO	Ant2	5190	43.20	5168.08	5211.28	---	---
11AX40MIMO	Ant1	5230	43.12	5208.48	5251.60	---	---
11AX40MIMO	Ant2	5230	42.80	5208.64	5251.44	---	---
11AX80MIMO	Ant1	5210	82.40	5168.88	5251.28	---	---
11AX80MIMO	Ant2	5210	84.00	5168.24	5252.24	---	---

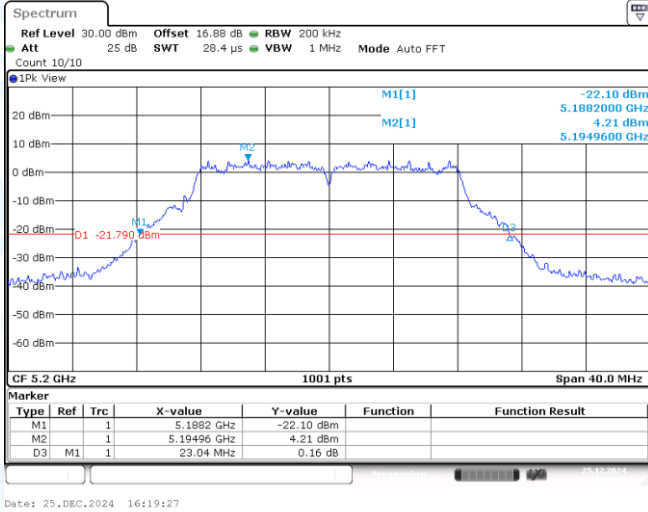
1.2 Test Graphs



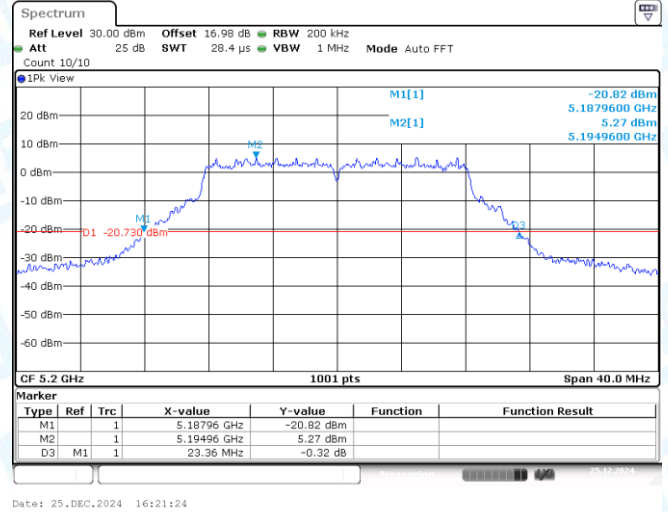
11A-CDD-Ant1-5180



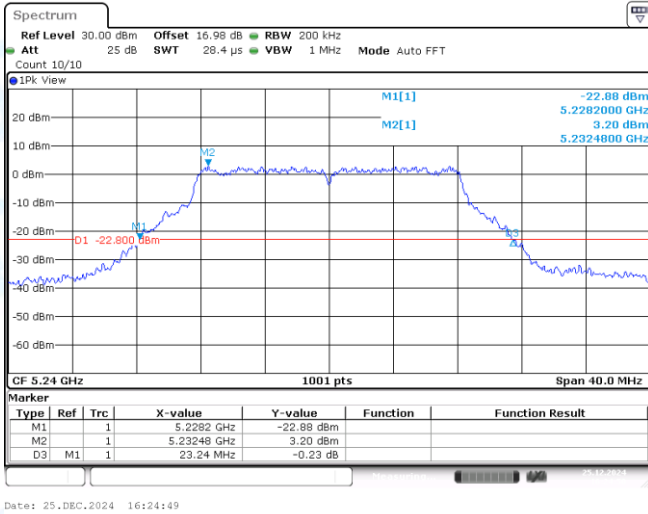
11A-CDD-Ant2-5180



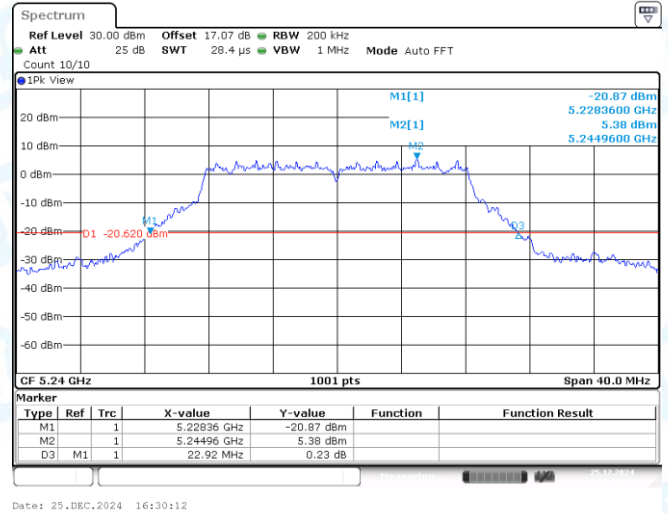
11A-CDD-Ant1-5200



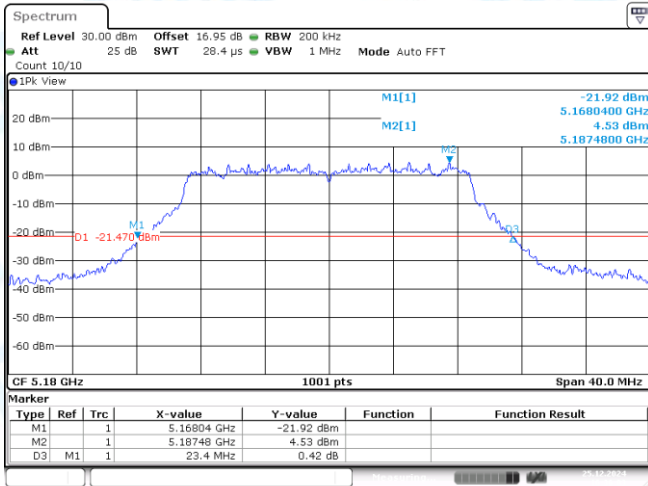
11A-CDD-Ant2-5200



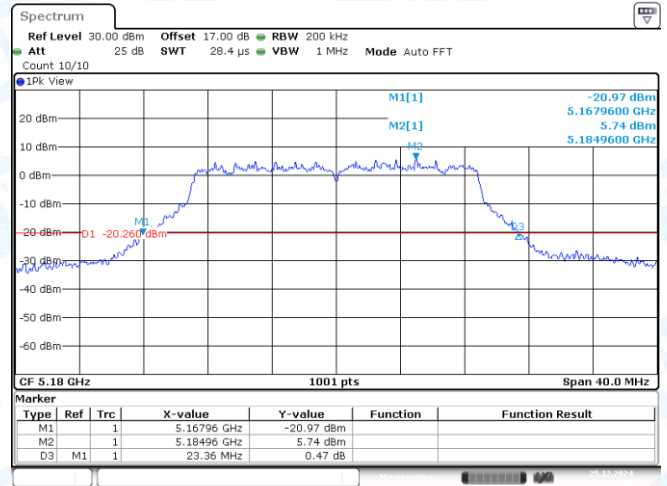
11A-CDD-Ant1-5240



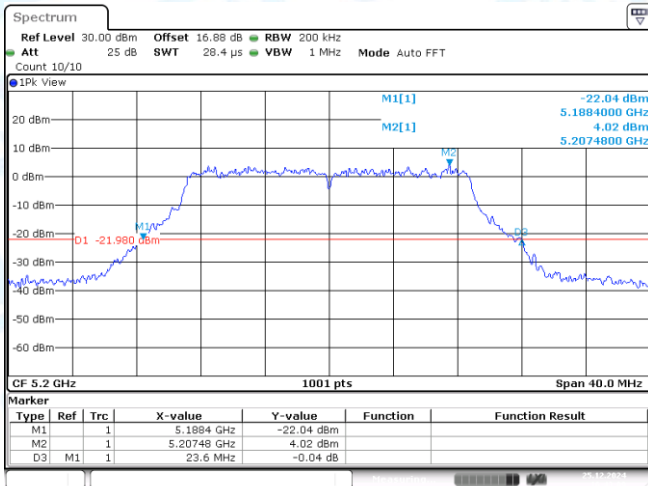
11A-CDD-Ant2-5240



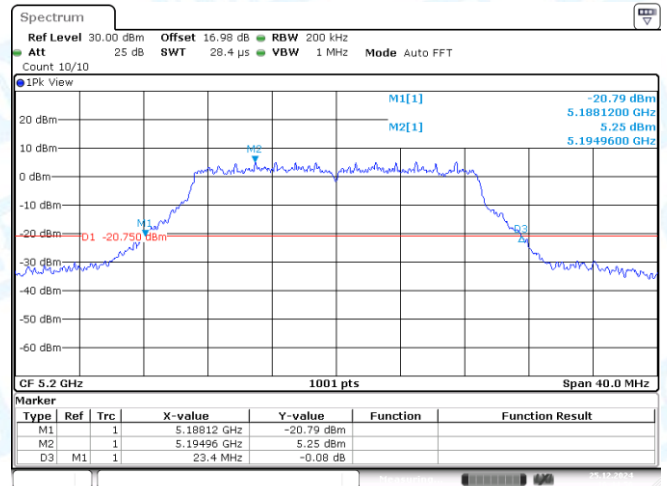
11N20MIMO-Ant1-5180



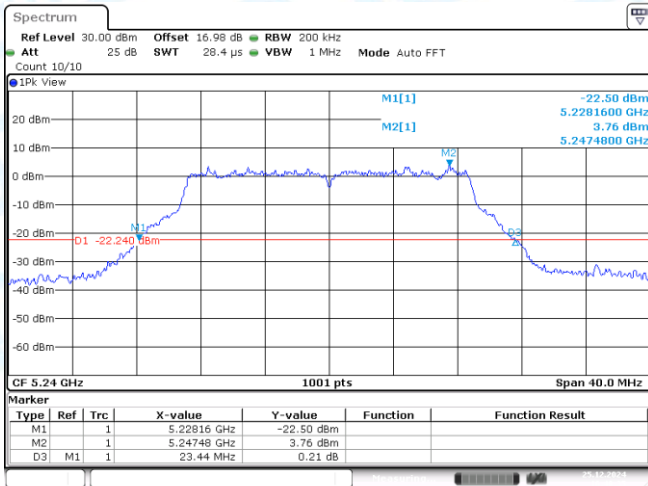
11N20MIMO-Ant2-5180



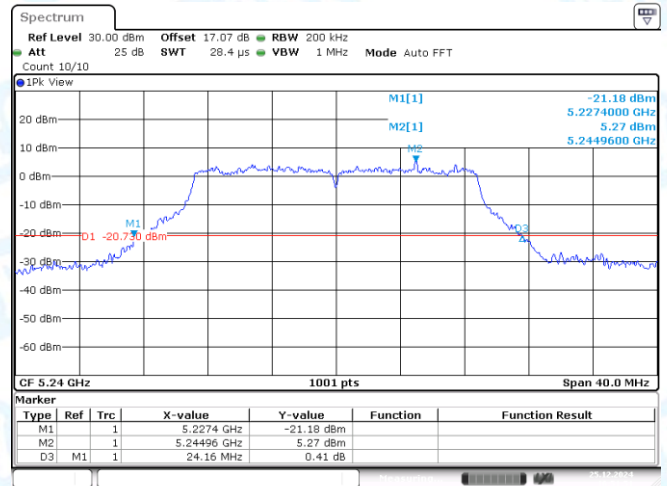
11N20MIMO-Ant1-5200



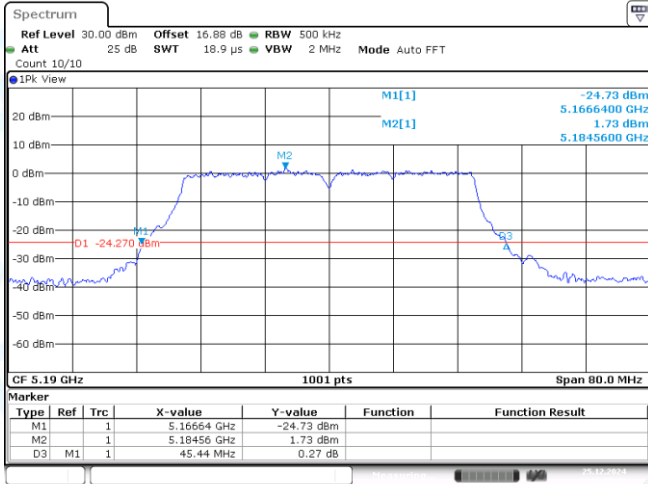
11N20MIMO-Ant2-5200



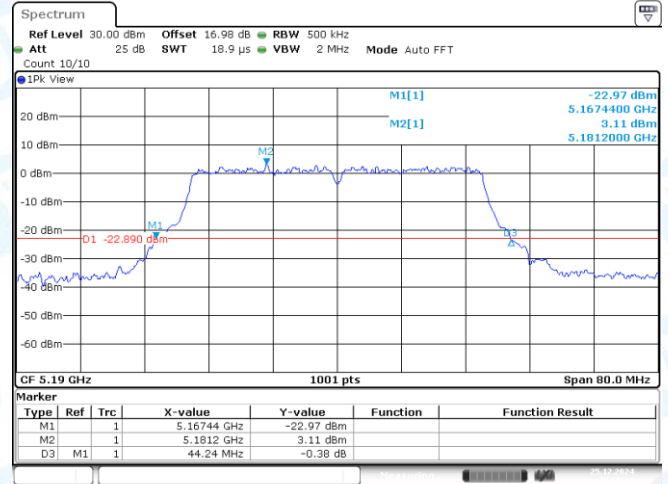
11N20MIMO-Ant1-5240



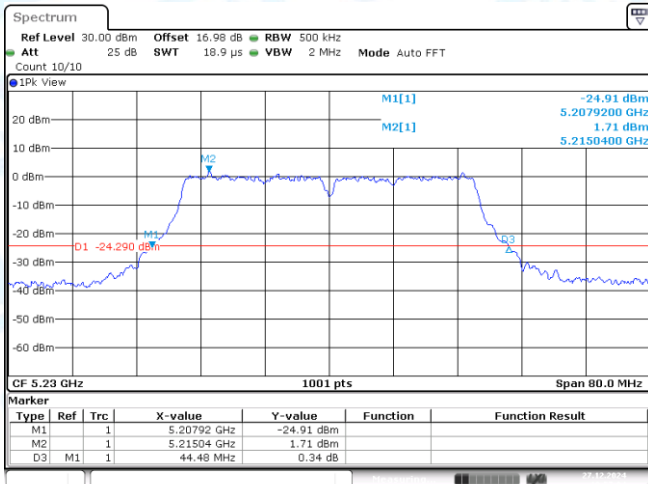
11N20MIMO-Ant2-5240



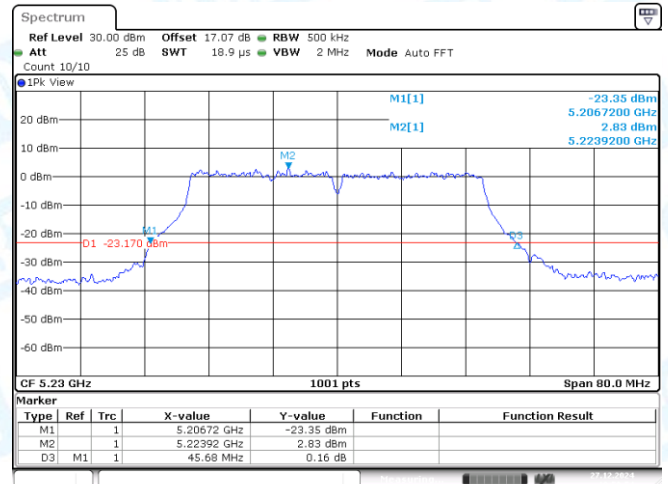
11N40MIMO-Ant1-5190



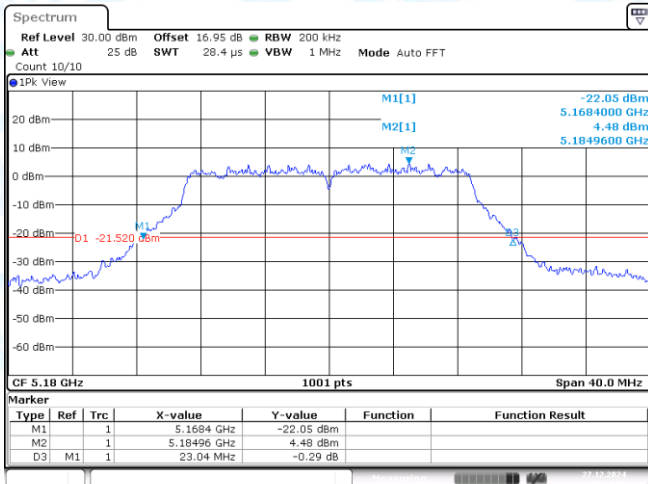
11N40MIMO-Ant2-5190



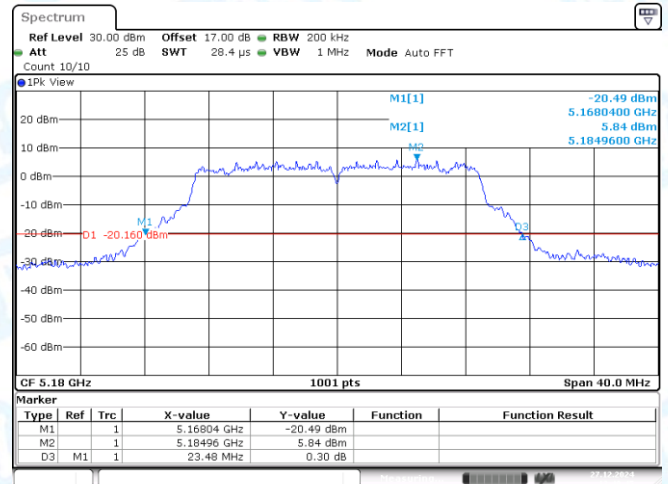
11N40MIMO-Ant1-5230



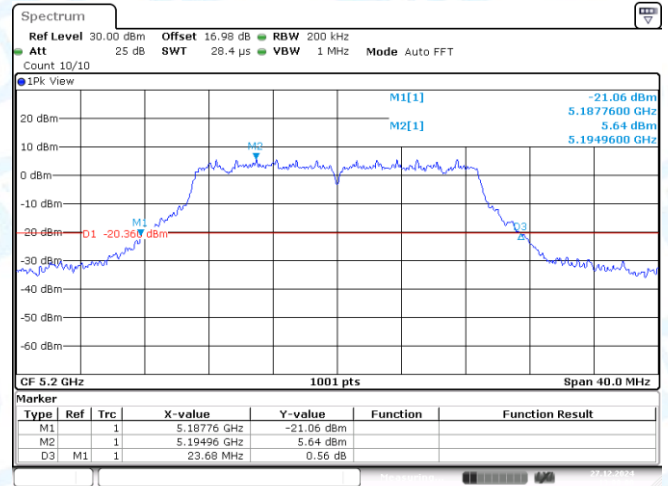
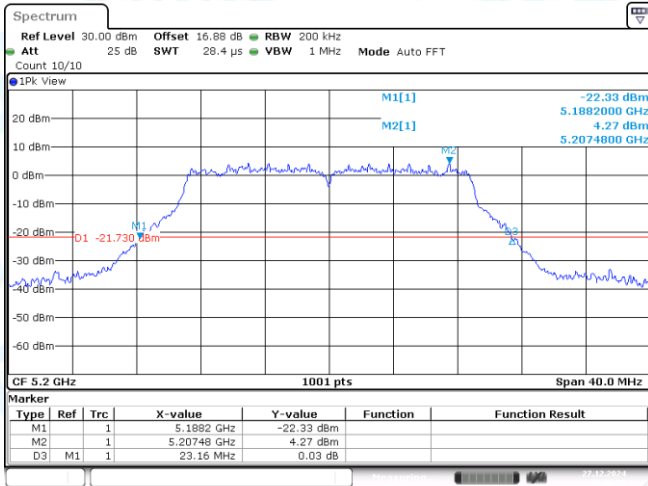
11N40MIMO-Ant2-5230



11AC20MIMO-Ant1-5180

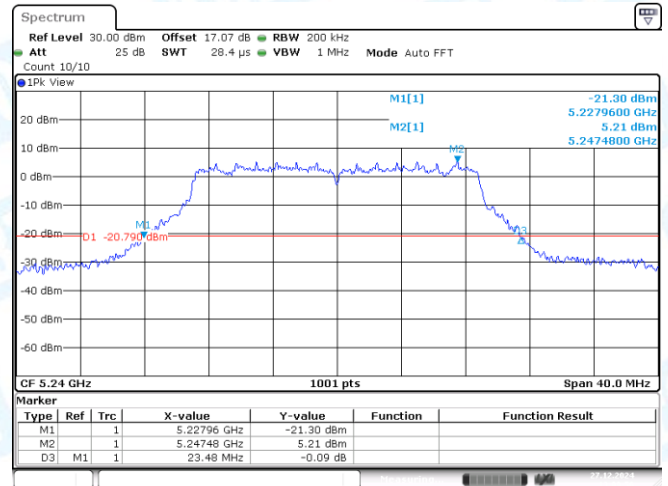
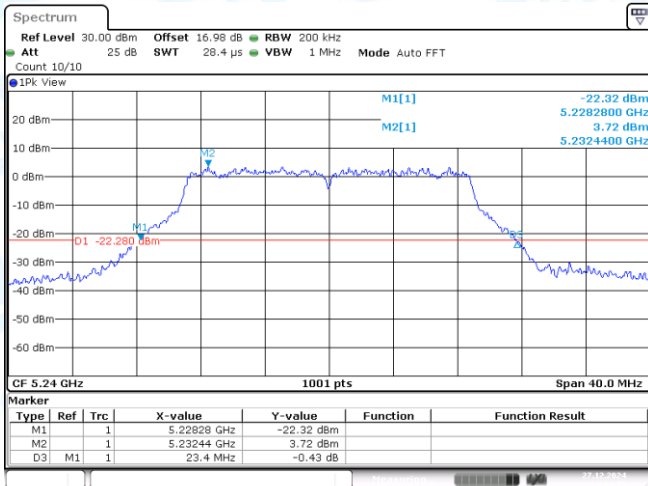


11AC20MIMO-Ant2-5180



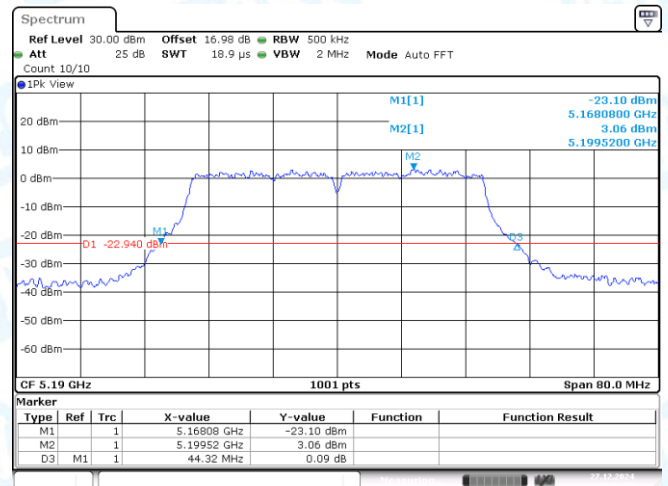
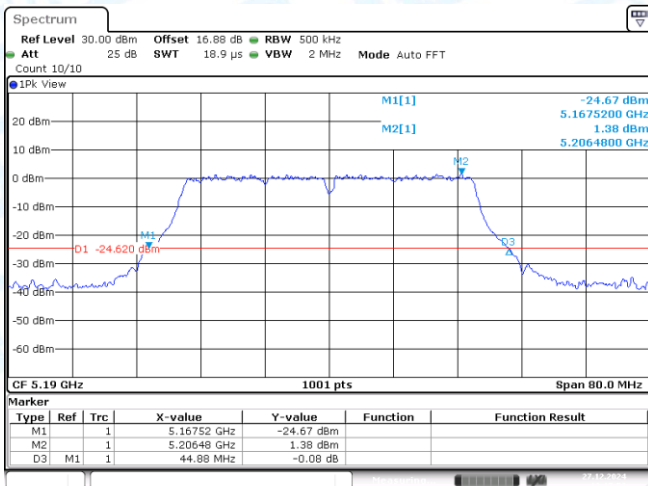
11AC20MIMO-Ant1-5200

11AC20MIMO-Ant2-5200



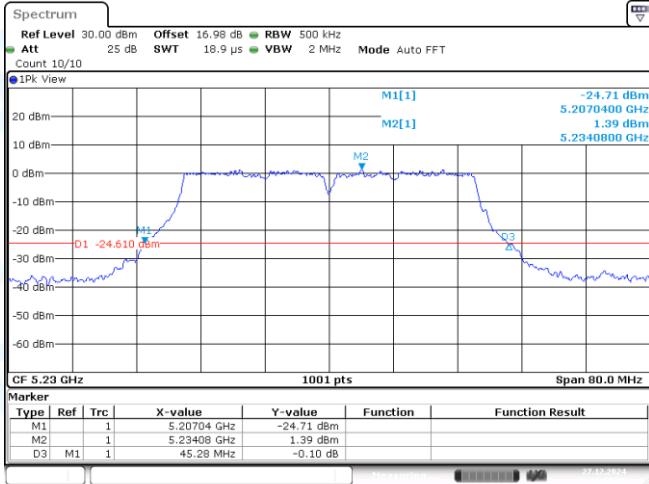
11AC20MIMO-Ant1-5240

11AC20MIMO-Ant2-5240

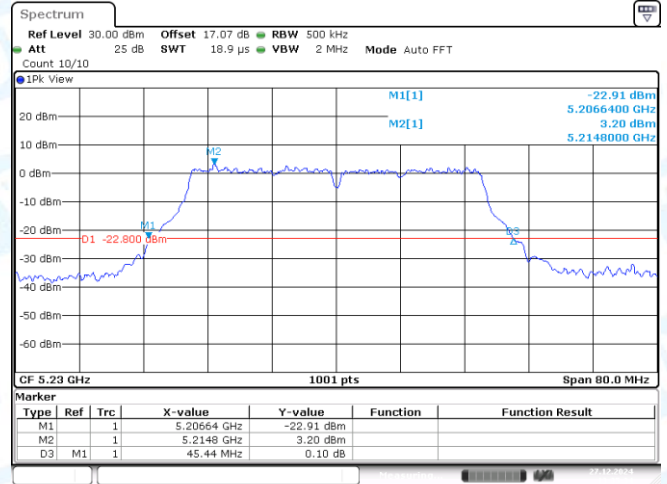


11AC40MIMO-Ant1-5190

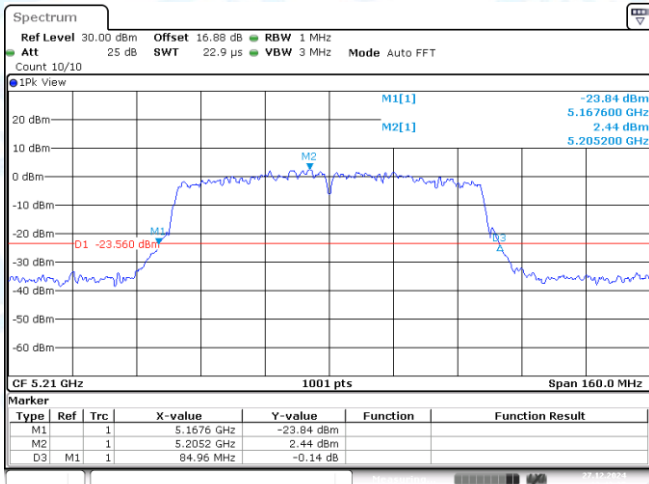
11AC40MIMO-Ant2-5190



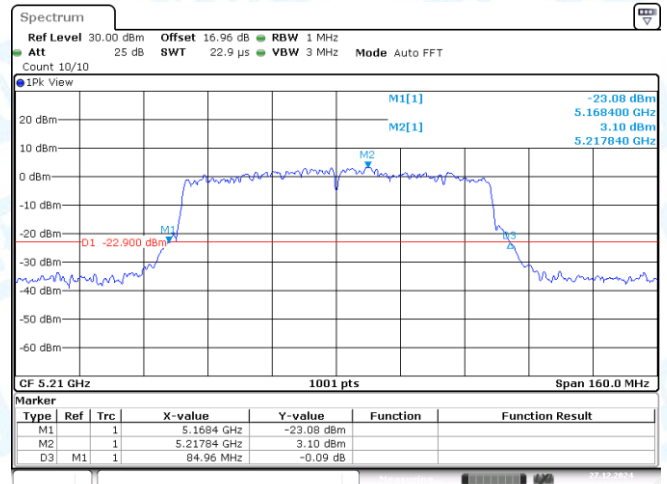
11AC40MIMO-Ant1-5230



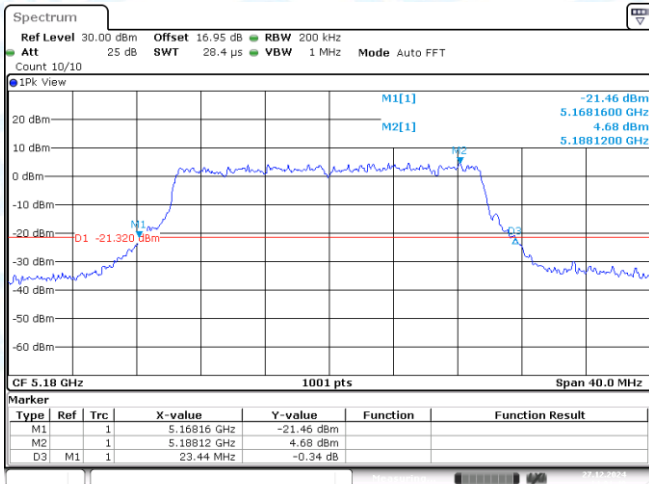
11AC40MIMO-Ant2-5230



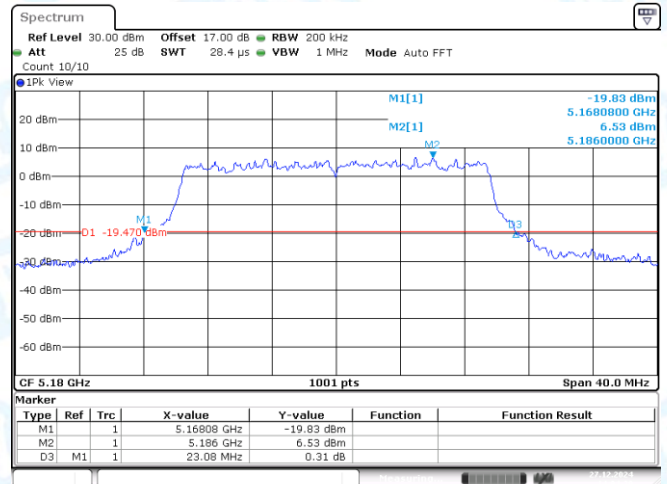
11AC80MIMO-Ant1-5210



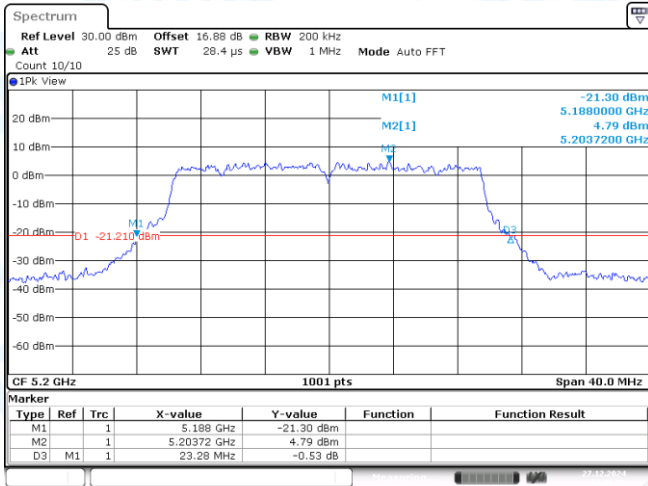
11AC80MIMO-Ant2-5210



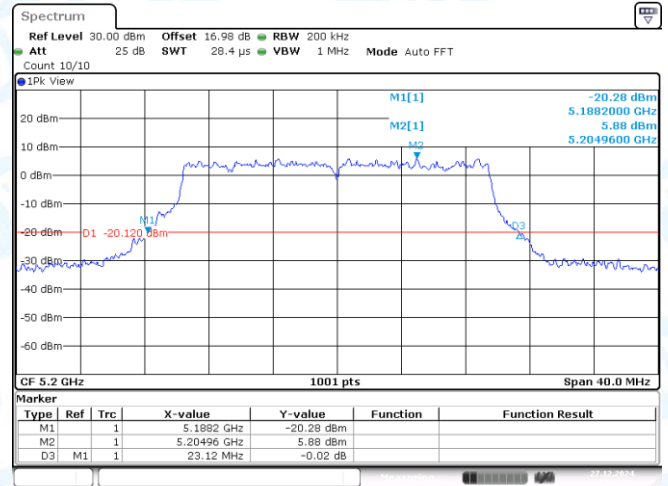
11AX20MIMO-Ant1-5180



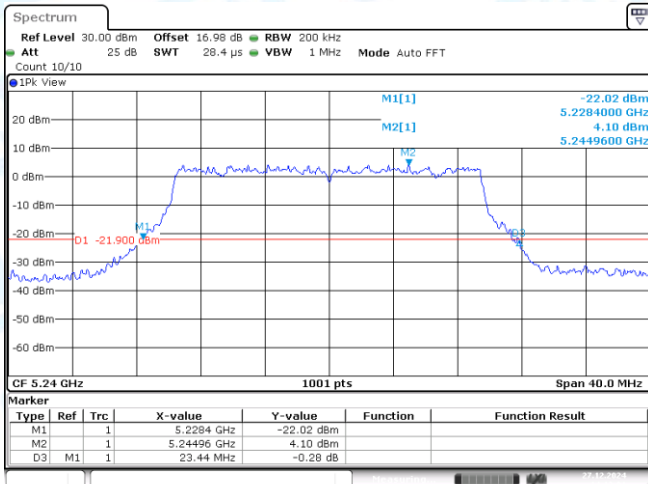
11AX20MIMO-Ant2-5180



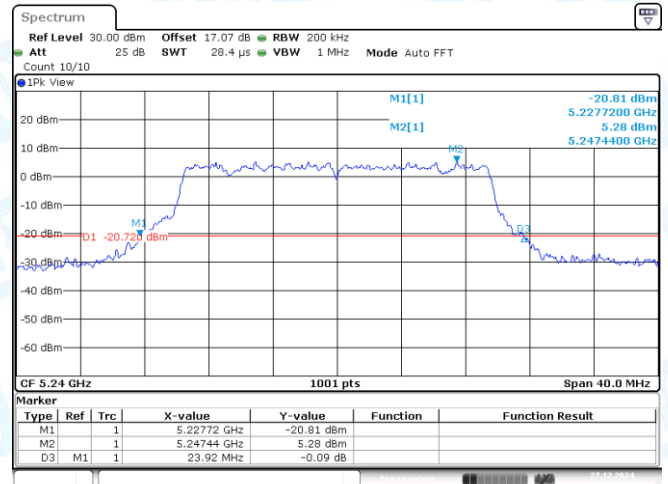
11AX20MIMO-Ant1-5200



11AX20MIMO-Ant2-5200



11AX20MIMO-Ant1-5240



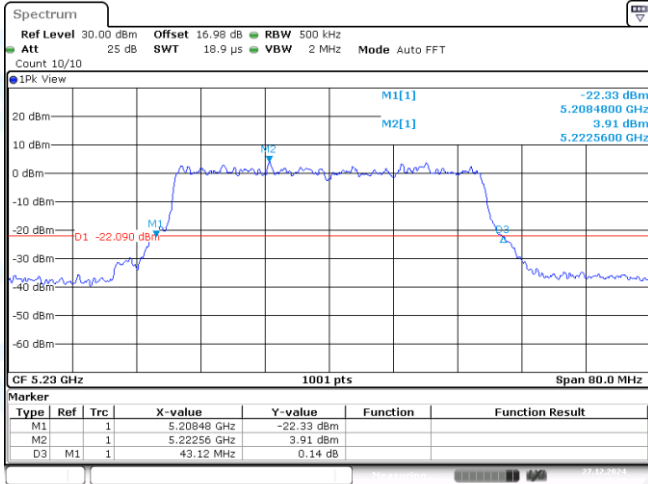
11AX20MIMO-Ant2-5240



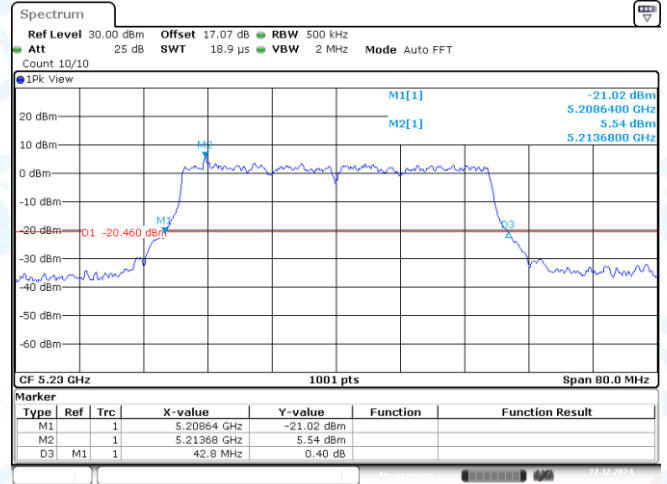
11AX40MIMO-Ant1-5190



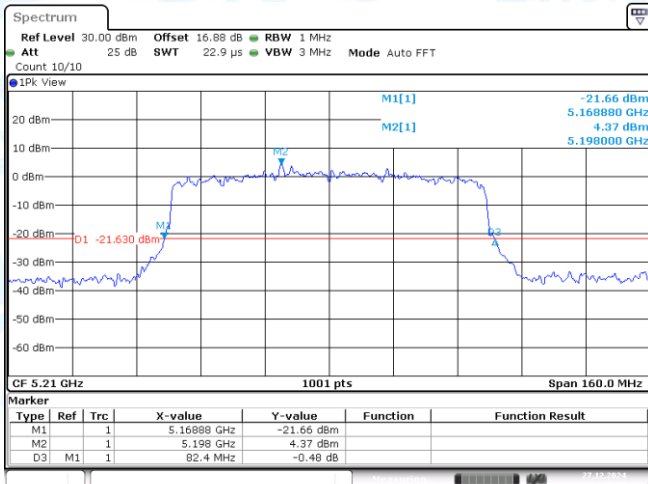
11AX40MIMO-Ant2-5190



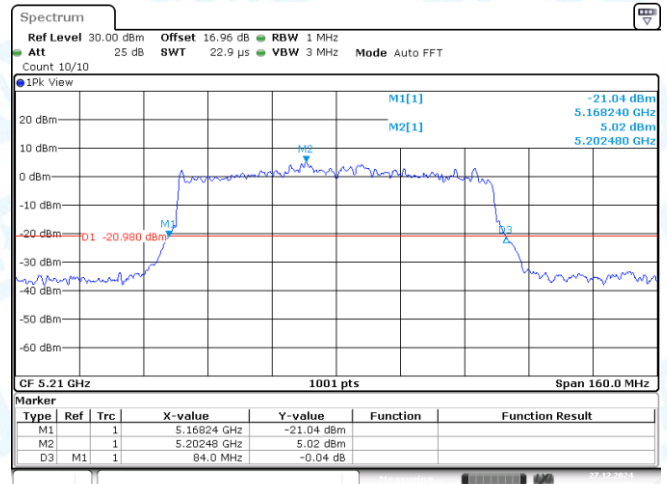
11AX40MIMO-Ant1-5230



11AX40MIMO-Ant2-5230



11AX80MIMO-Ant1-5210



11AX80MIMO-Ant2-5210

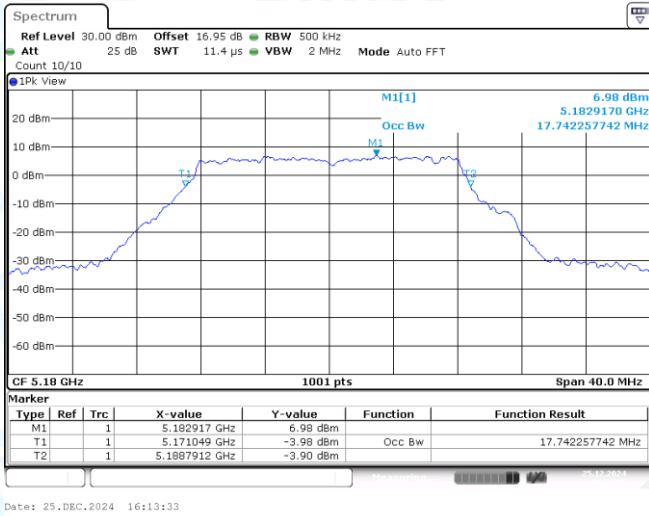
2: Occupied channel bandwidth

2.1 Test Result

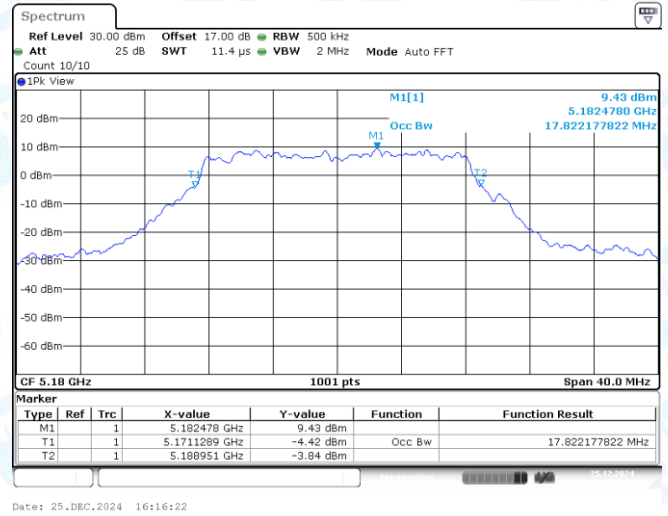
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	17.742	5171.0490	5188.7912	---	---
11A-CDD	Ant2	5180	17.822	5171.1289	5188.9510	---	---
11A-CDD	Ant1	5200	17.662	5191.0090	5208.6713	---	---
11A-CDD	Ant2	5200	17.542	5191.2488	5208.7912	---	---
11A-CDD	Ant1	5240	18.022	5231.1289	5249.1508	---	---
11A-CDD	Ant2	5240	17.782	5230.9690	5248.7512	---	---
11A-CDD	Ant1	5745	18.022	5735.8891	5753.9111	---	---
11A-CDD	Ant2	5745	17.662	5736.1688	5753.8312	---	---
11A-CDD	Ant1	5785	18.102	5775.8092	5793.9111	---	---
11A-CDD	Ant2	5785	17.742	5776.0889	5793.8312	---	---
11A-CDD	Ant1	5825	18.262	5815.8492	5834.1109	---	---
11A-CDD	Ant2	5825	18.022	5815.8891	5833.9111	---	---
11N20MIMO	Ant1	5180	18.741	5170.5694	5189.3107	---	---
11N20MIMO	Ant2	5180	18.661	5170.6494	5189.3107	---	---
11N20MIMO	Ant1	5200	18.501	5190.6094	5209.1109	---	---
11N20MIMO	Ant2	5200	18.501	5190.7293	5209.2308	---	---
11N20MIMO	Ant1	5240	18.701	5230.7692	5249.4705	---	---
11N20MIMO	Ant2	5240	18.661	5230.6494	5249.3107	---	---
11N20MIMO	Ant1	5745	18.621	5735.6094	5754.2308	---	---
11N20MIMO	Ant2	5745	18.741	5735.5694	5754.3107	---	---
11N20MIMO	Ant1	5785	18.701	5775.5694	5794.2707	---	---
11N20MIMO	Ant2	5785	18.941	5775.4496	5794.3906	---	---
11N20MIMO	Ant1	5825	18.701	5815.6094	5834.3107	---	---
11N20MIMO	Ant2	5825	18.581	5815.6494	5834.2308	---	---
11N40MIMO	Ant1	5190	37.163	5171.4585	5208.6214	---	---
11N40MIMO	Ant2	5190	36.923	5171.6184	5208.5415	---	---
11N40MIMO	Ant1	5230	37.642	5211.3786	5249.0210	---	---
11N40MIMO	Ant2	5230	37.562	5211.0589	5248.6214	---	---
11N40MIMO	Ant1	5755	37.243	5736.3786	5773.6214	---	---
11N40MIMO	Ant2	5755	37.642	5735.9790	5773.6214	---	---
11N40MIMO	Ant1	5795	38.042	5776.1389	5814.1808	---	---
11N40MIMO	Ant2	5795	37.642	5775.8991	5813.5415	---	---
11AC20MIMO	Ant1	5180	18.541	5170.6094	5189.1508	---	---
11AC20MIMO	Ant2	5180	18.541	5170.6893	5189.2308	---	---
11AC20MIMO	Ant1	5200	18.661	5190.6893	5209.3506	---	---
11AC20MIMO	Ant2	5200	18.541	5190.6094	5209.1508	---	---
11AC20MIMO	Ant1	5240	18.501	5230.7293	5249.2308	---	---
11AC20MIMO	Ant2	5240	18.621	5230.6094	5249.2308	---	---
11AC20MIMO	Ant1	5745	18.901	5735.5694	5754.4705	---	---
11AC20MIMO	Ant2	5745	18.741	5735.7293	5754.4705	---	---
11AC20MIMO	Ant1	5785	18.701	5775.6893	5794.3906	---	---

11AC20MIMO	Ant2	5785	18.861	5775.4895	5794.3506	---	---
11AC20MIMO	Ant1	5825	18.901	5815.5295	5834.4306	---	---
11AC20MIMO	Ant2	5825	19.061	5815.5295	5834.5904	---	---
11AC40MIMO	Ant1	5190	37.323	5171.4585	5208.7812	---	---
11AC40MIMO	Ant2	5190	36.763	5171.6983	5208.4615	---	---
11AC40MIMO	Ant1	5230	37.323	5211.2188	5248.5415	---	---
11AC40MIMO	Ant2	5230	37.163	5211.2188	5248.3816	---	---
11AC40MIMO	Ant1	5755	37.163	5736.3786	5773.5415	---	---
11AC40MIMO	Ant2	5755	37.722	5736.1389	5773.8611	---	---
11AC40MIMO	Ant1	5795	37.962	5776.4585	5814.4206	---	---
11AC40MIMO	Ant2	5795	37.562	5776.0589	5813.6214	---	---
11AC80MIMO	Ant1	5210	75.604	5172.1179	5247.7223	---	---
11AC80MIMO	Ant2	5210	75.764	5172.1179	5247.8821	---	---
11AC80MIMO	Ant1	5775	75.924	5737.1179	5813.0420	---	---
11AC80MIMO	Ant2	5775	76.244	5736.7982	5813.0420	---	---
11AX20MIMO	Ant1	5180	19.301	5170.2897	5189.5904	---	---
11AX20MIMO	Ant2	5180	19.461	5170.2498	5189.7103	---	---
11AX20MIMO	Ant1	5200	19.421	5190.2098	5209.6304	---	---
11AX20MIMO	Ant2	5200	19.301	5190.2897	5209.5904	---	---
11AX20MIMO	Ant1	5240	19.181	5230.3696	5249.5504	---	---
11AX20MIMO	Ant2	5240	19.5	5230.2098	5249.7103	---	---
11AX20MIMO	Ant1	5745	19.381	5735.2098	5754.5904	---	---
11AX20MIMO	Ant2	5745	19.381	5735.2098	5754.5904	---	---
11AX20MIMO	Ant1	5785	19.421	5775.2098	5794.6304	---	---
11AX20MIMO	Ant2	5785	19.341	5775.2498	5794.5904	---	---
11AX20MIMO	Ant1	5825	19.5	5815.2098	5834.7103	---	---
11AX20MIMO	Ant2	5825	19.58	5815.0899	5834.6703	---	---
11AX40MIMO	Ant1	5190	38.521	5170.8991	5209.4206	---	---
11AX40MIMO	Ant2	5190	38.521	5170.5794	5209.1009	---	---
11AX40MIMO	Ant1	5230	38.282	5210.7393	5249.0210	---	---
11AX40MIMO	Ant2	5230	38.362	5210.8192	5249.1808	---	---
11AX40MIMO	Ant1	5755	38.601	5735.6593	5774.2607	---	---
11AX40MIMO	Ant2	5755	38.442	5735.7393	5774.1808	---	---
11AX40MIMO	Ant1	5795	38.601	5775.6593	5814.2607	---	---
11AX40MIMO	Ant2	5795	38.362	5775.7393	5814.1009	---	---
11AX80MIMO	Ant1	5210	77.363	5171.3187	5248.6813	---	---
11AX80MIMO	Ant2	5210	77.363	5171.3187	5248.6813	---	---
11AX80MIMO	Ant1	5775	77.522	5736.3187	5813.8412	---	---
11AX80MIMO	Ant2	5775	77.203	5736.4785	5813.6813	---	---

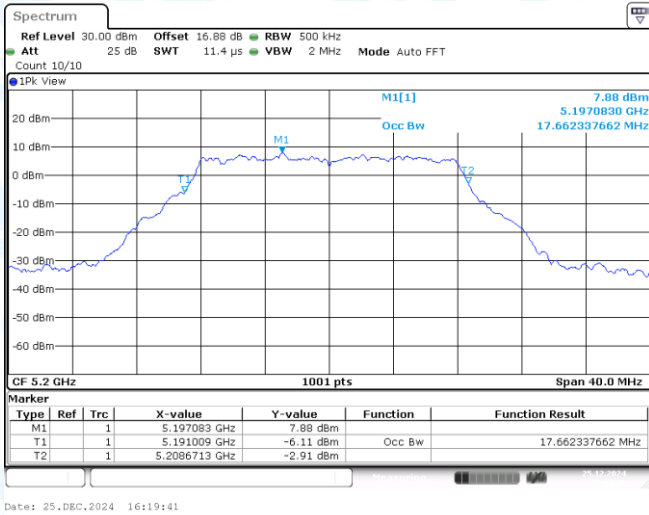
2.2 Test Graphs



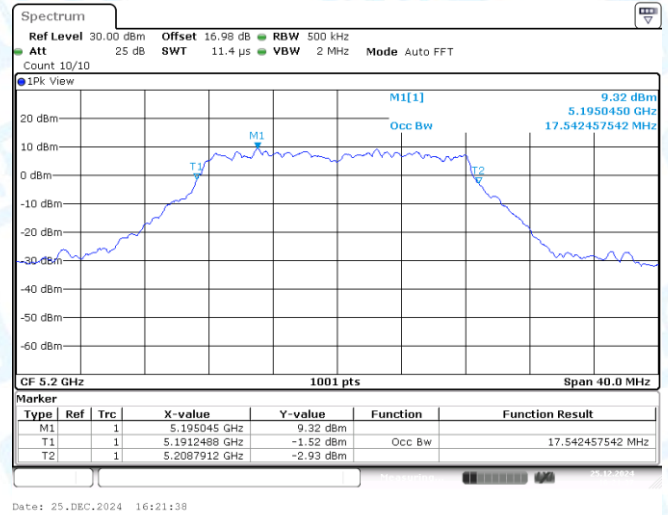
11A-CDD-Ant1-5180



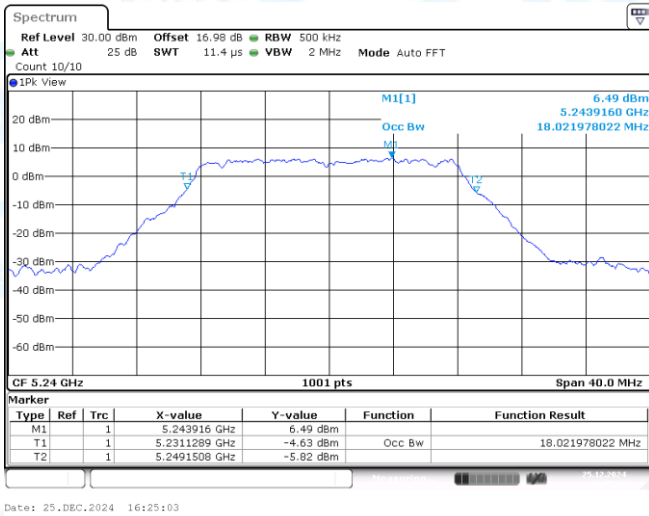
11A-CDD-Ant2-5180



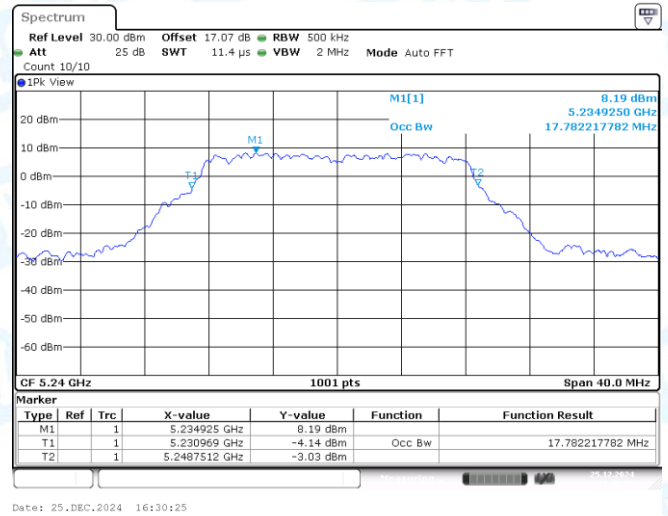
11A-CDD-Ant1-5200



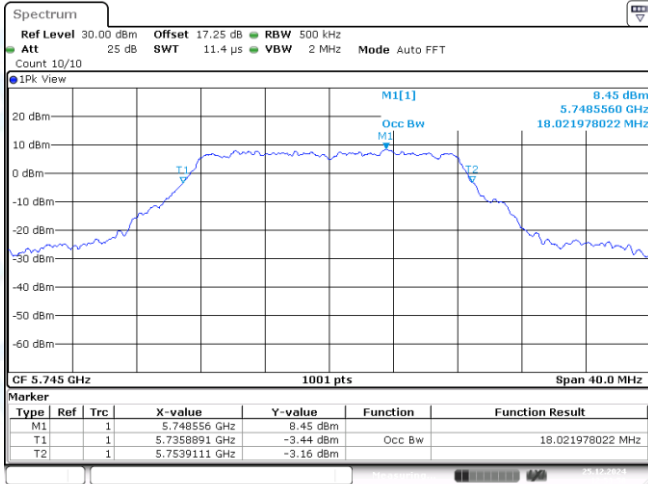
11A-CDD-Ant2-5200



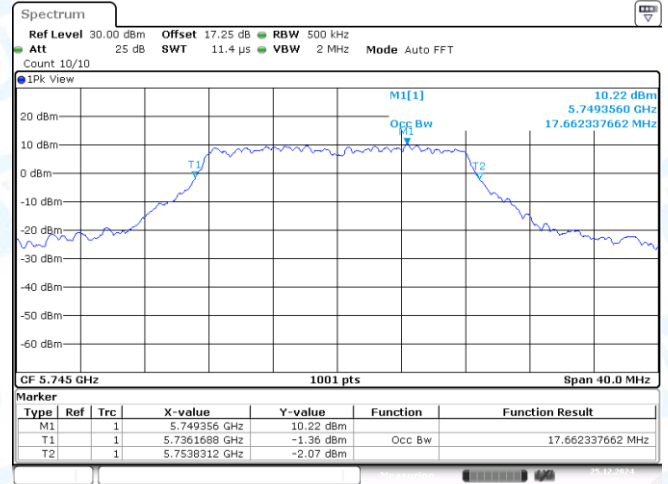
11A-CDD-Ant1-5240



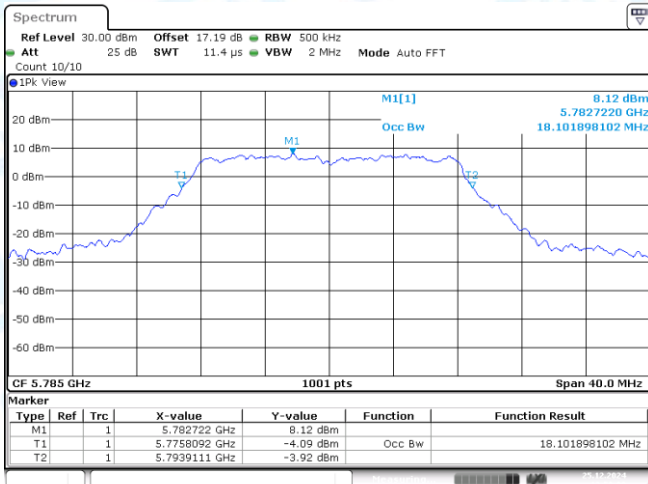
11A-CDD-Ant2-5240



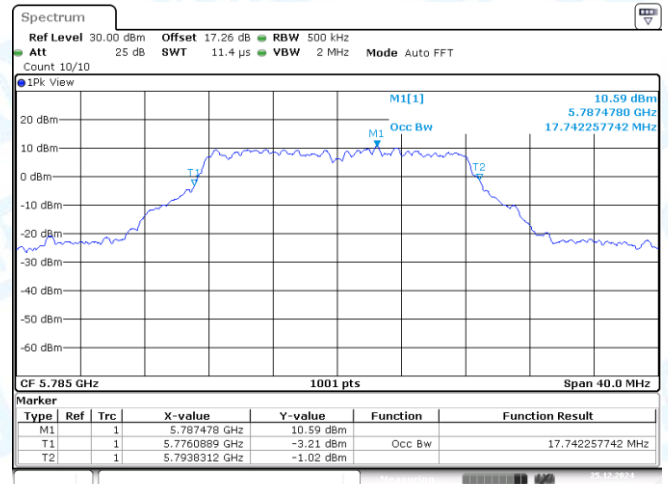
11A-CDD-Ant1-5745



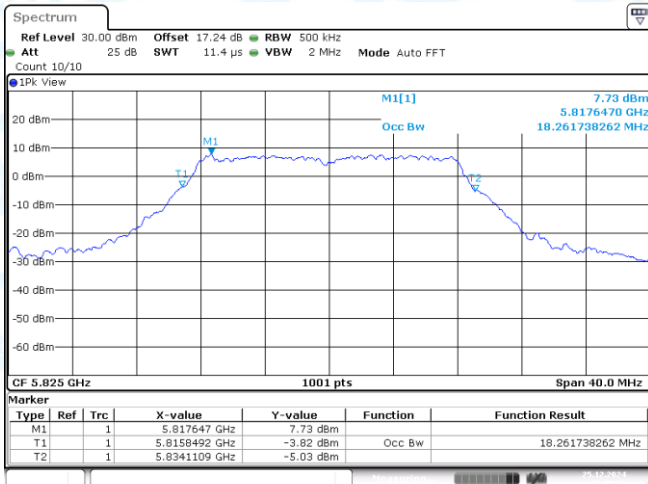
11A-CDD-Ant2-5745



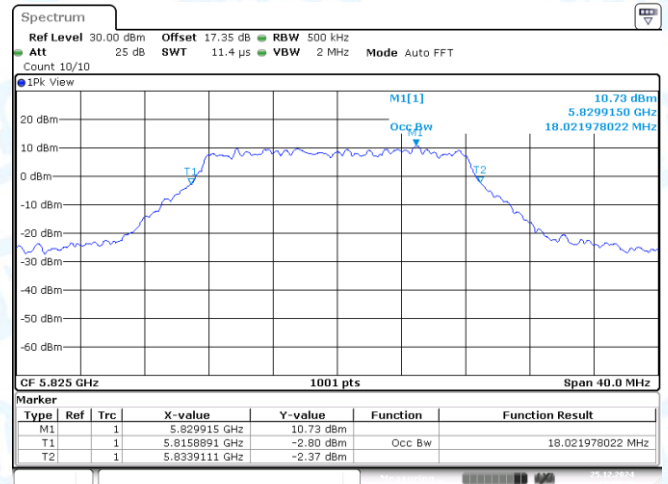
11A-CDD-Ant1-5785



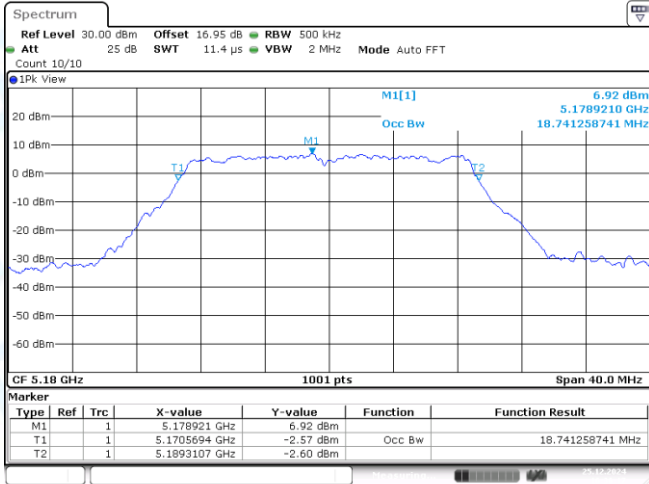
11A-CDD-Ant2-5785



11A-CDD-Ant1-5825

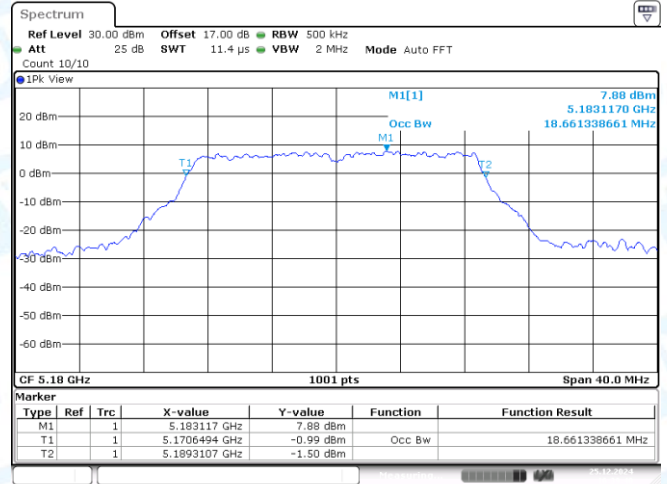


11A-CDD-Ant2-5825



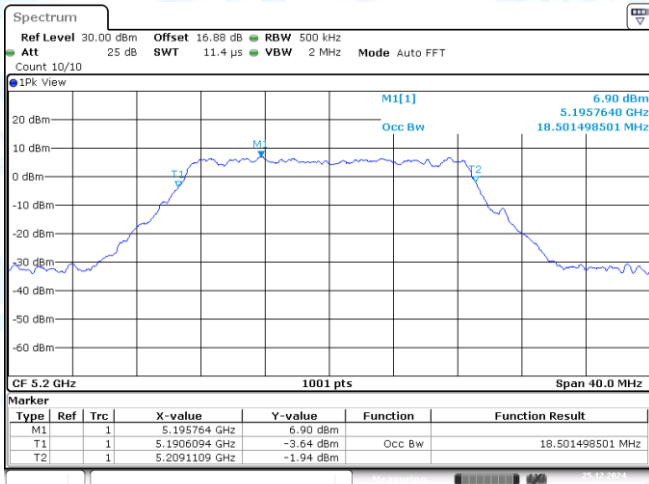
Date: 25.DEC.2024 16:36:17

11N20MIMO-Ant1-5180



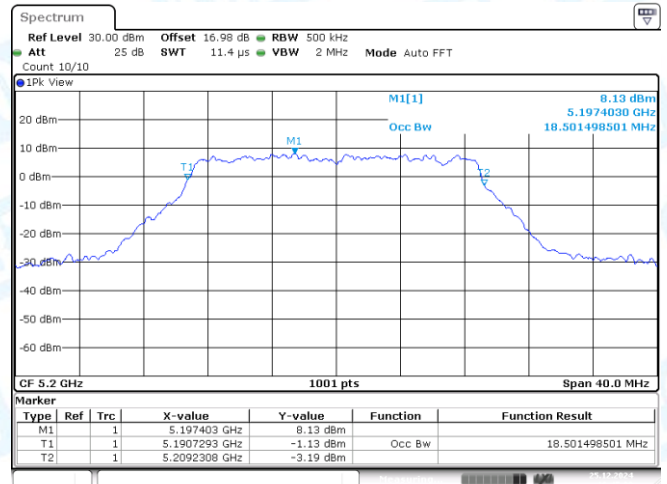
Date: 25.DEC.2024 16:39:40

11N20MIMO-Ant2-5180



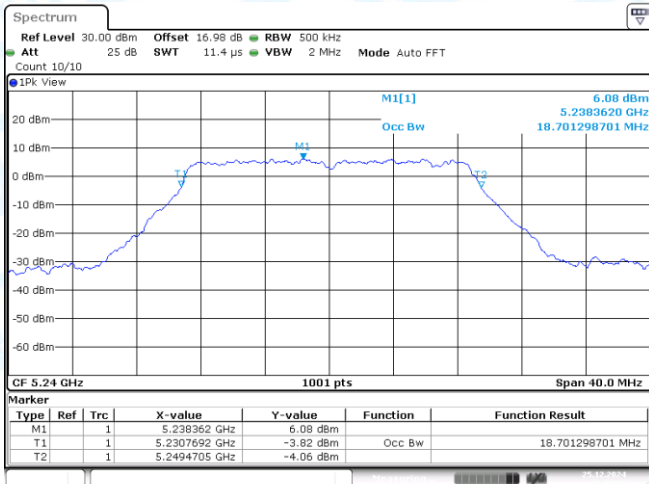
Date: 25.DEC.2024 16:43:22

11N20MIMO-Ant1-5200



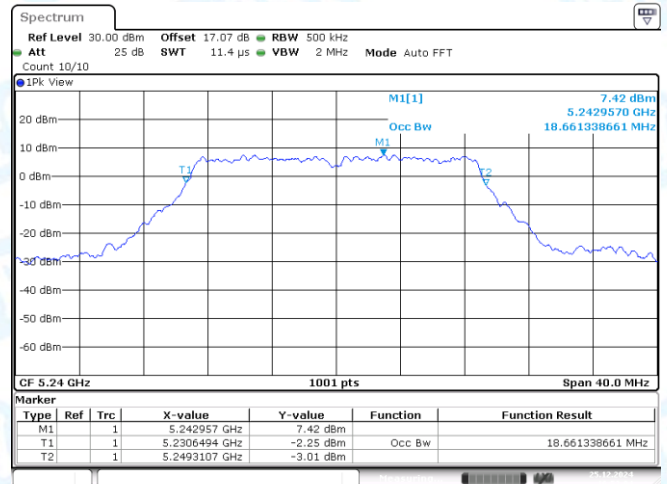
Date: 25.DEC.2024 16:45:10

11N20MIMO-Ant2-5200



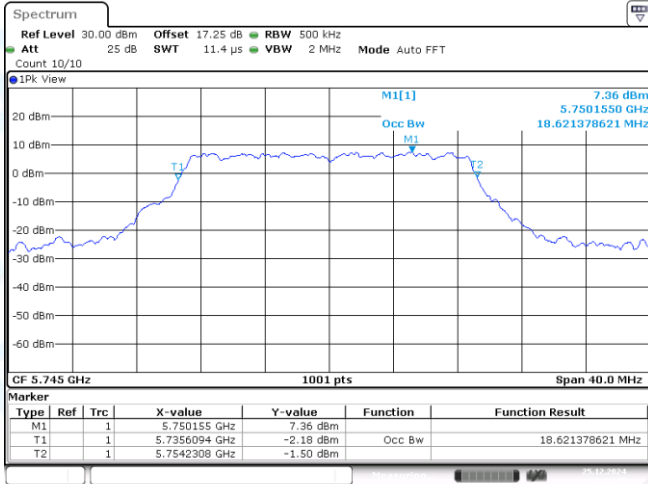
Date: 25.DEC.2024 16:48:48

11N20MIMO-Ant1-5240

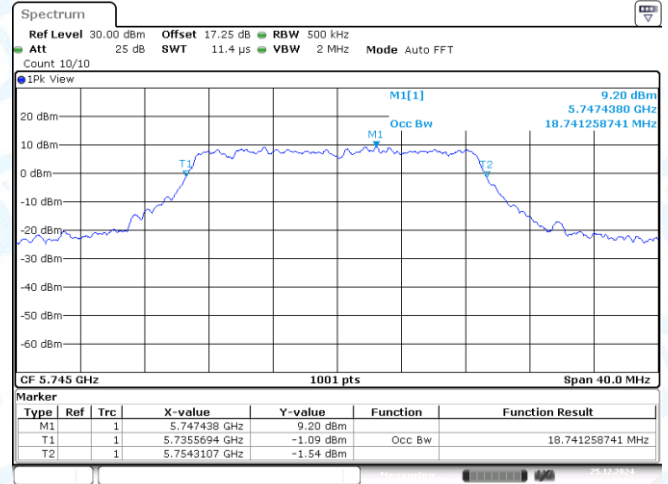


Date: 25.DEC.2024 16:52:04

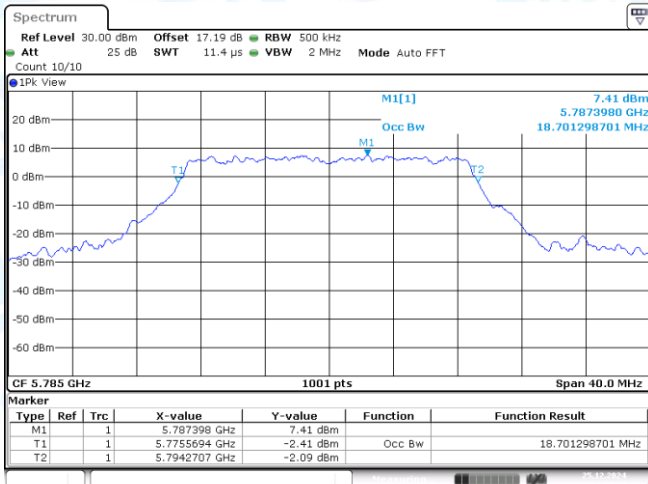
11N20MIMO-Ant2-5240



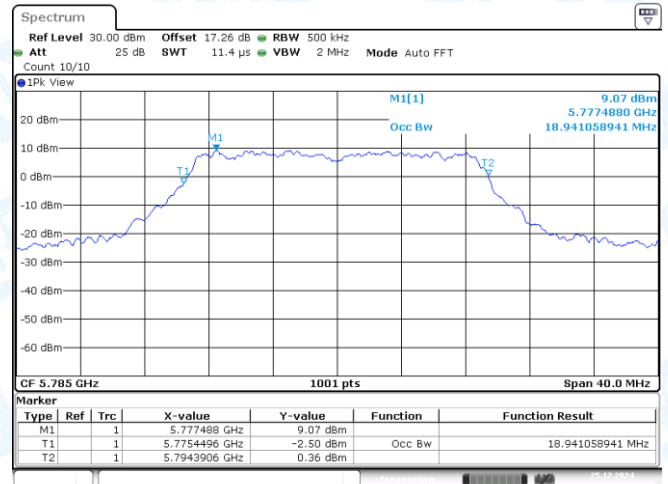
11N20MIMO-Ant1-5745



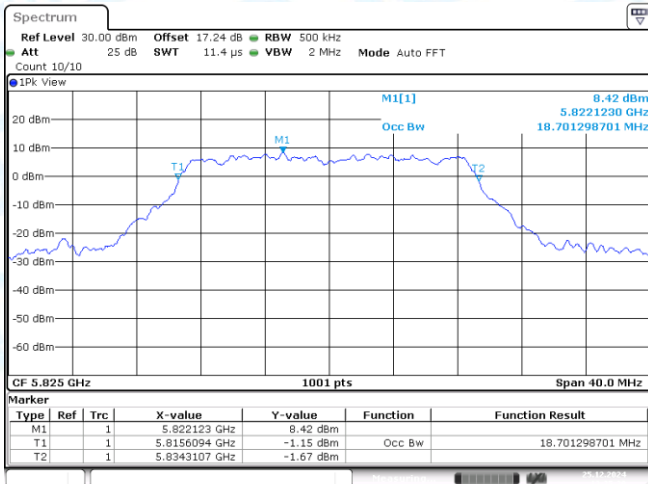
11N20MIMO-Ant2-5745



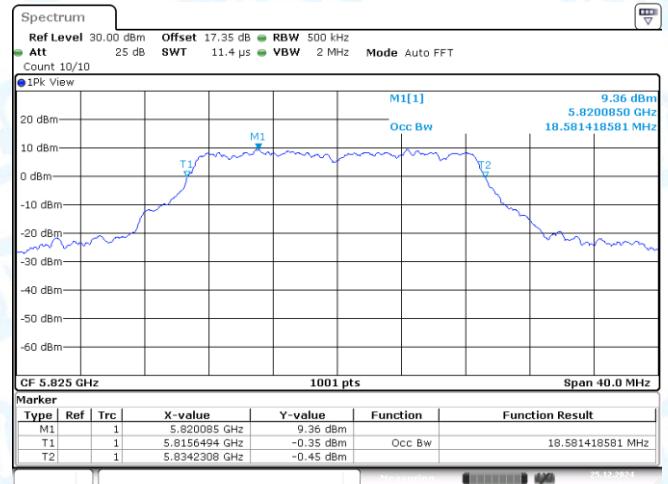
11N20MIMO-Ant1-5785



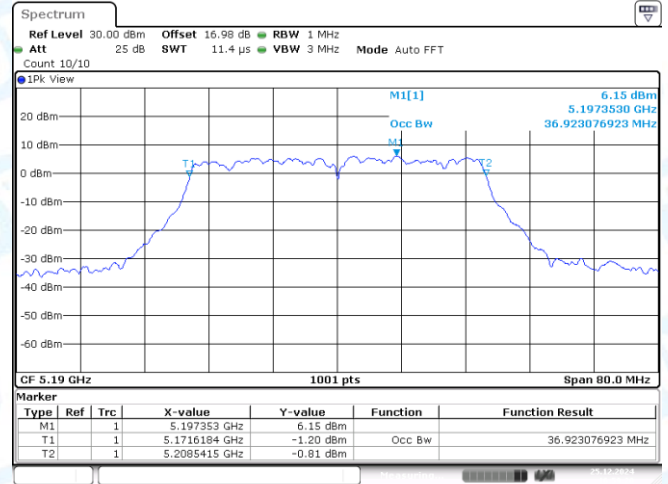
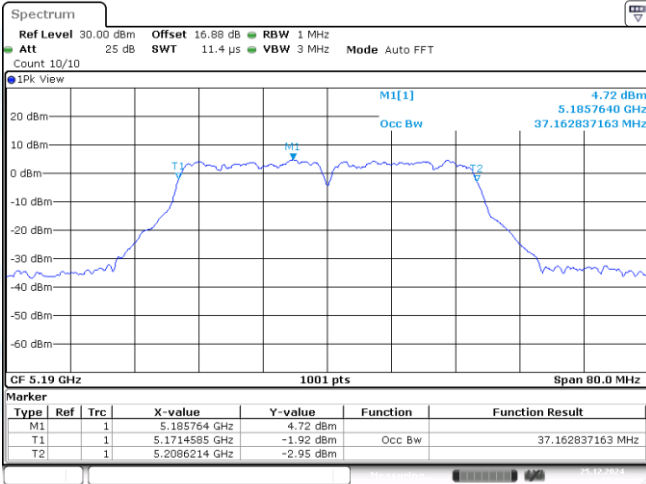
11N20MIMO-Ant2-5785



11N20MIMO-Ant1-5825

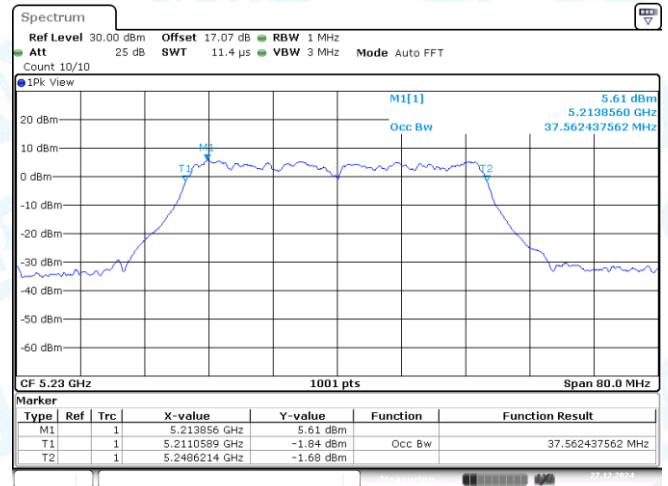
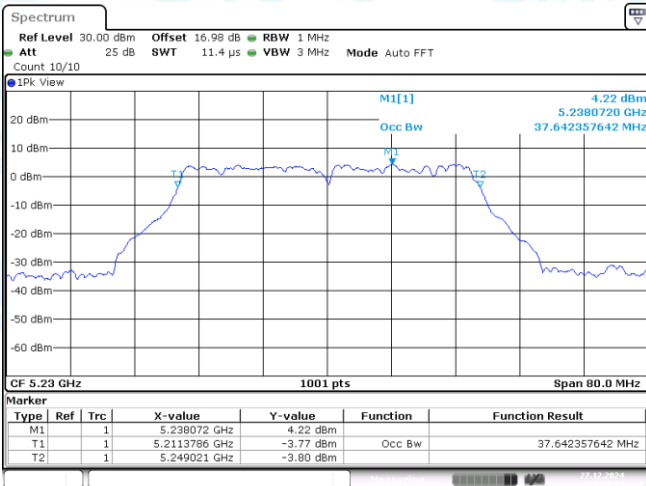


11N20MIMO-Ant2-5825



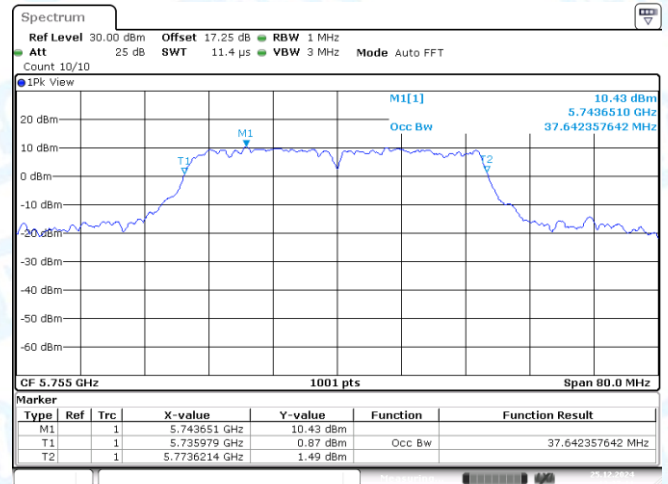
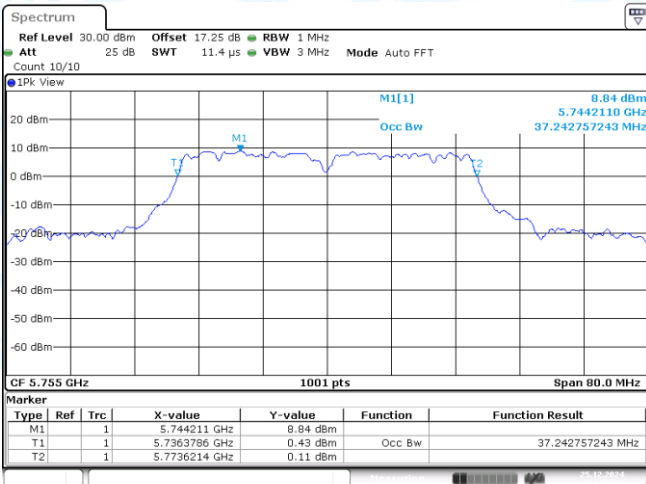
11N40MIMO-Ant1-5190

11N40MIMO-Ant2-5190



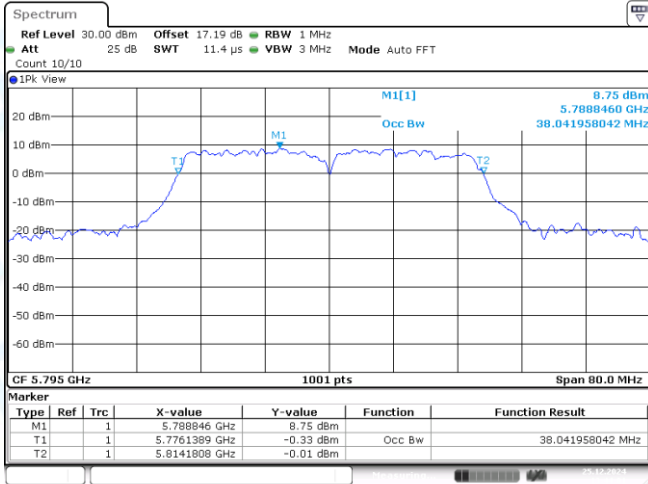
11N40MIMO-Ant1-5230

11N40MIMO-Ant2-5230



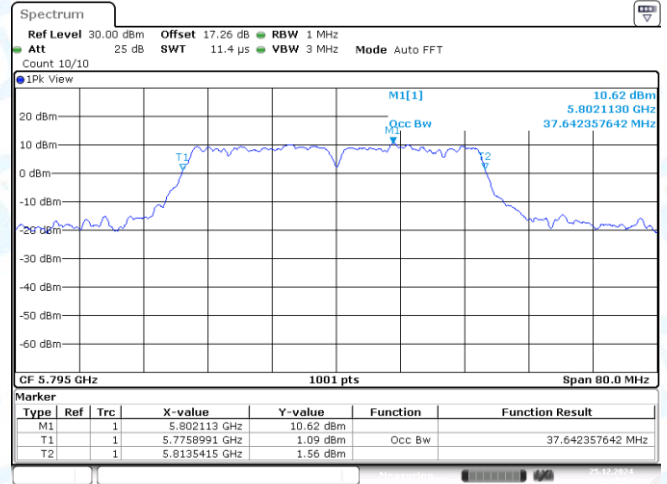
11N40MIMO-Ant1-5755

11N40MIMO-Ant2-5755



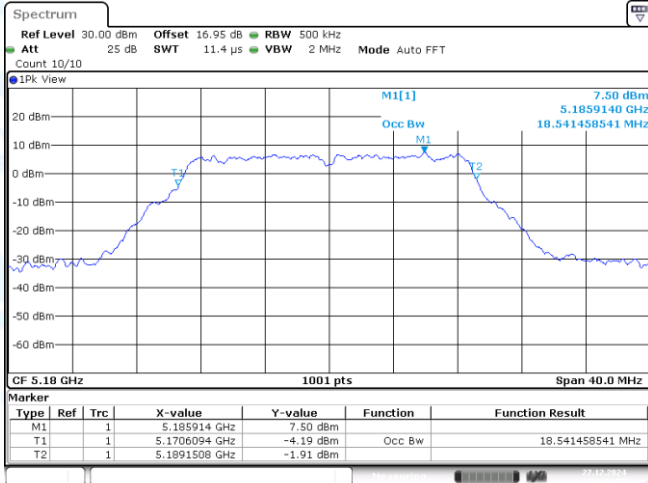
Date: 25.DEC.2024 13:44:02

11N40MIMO-Ant1-5795



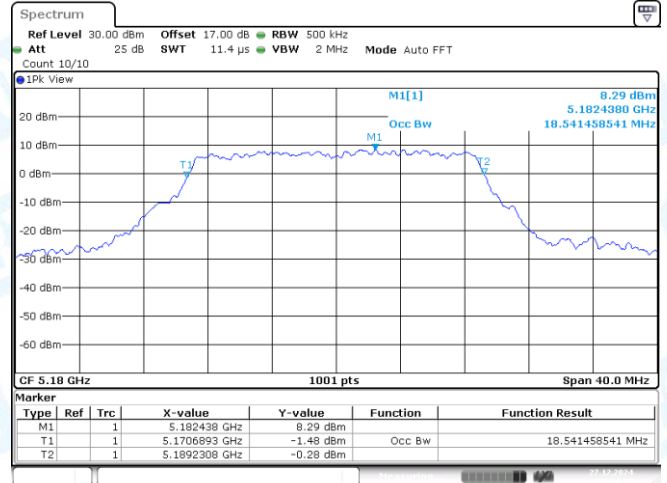
Date: 25.DEC.2024 13:45:55

11N40MIMO-Ant2-5795



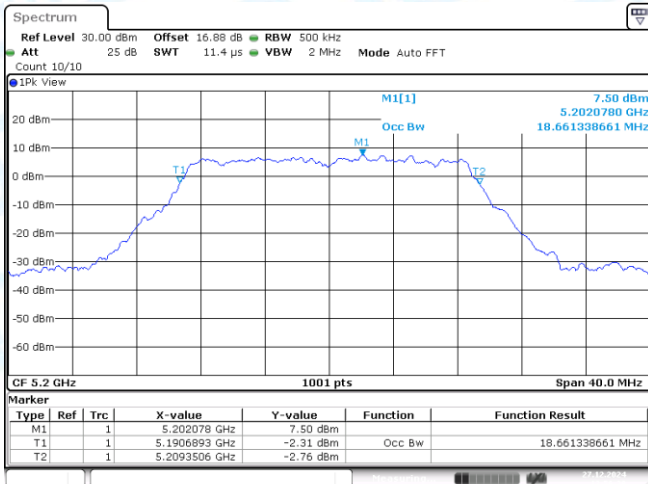
Date: 27.DEC.2024 12:44:55

11AC20MIMO-Ant1-5180



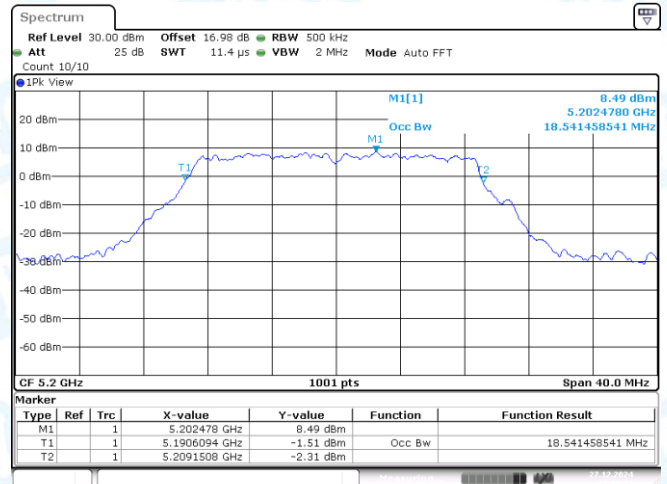
Date: 27.DEC.2024 12:49:57

11AC20MIMO-Ant2-5180



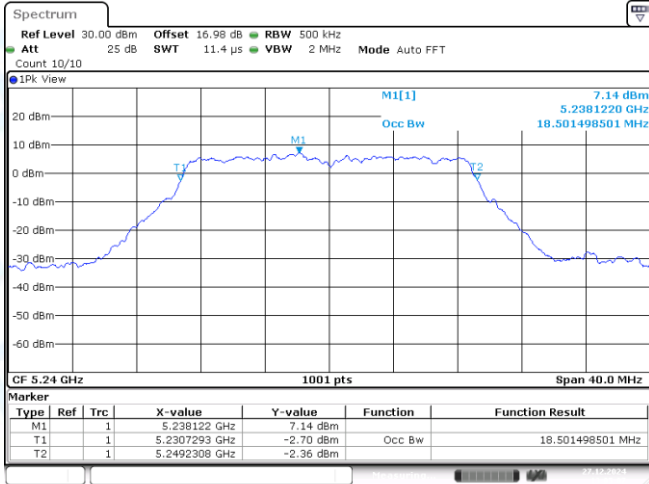
Date: 27.DEC.2024 12:56:38

11AC20MIMO-Ant1-5200



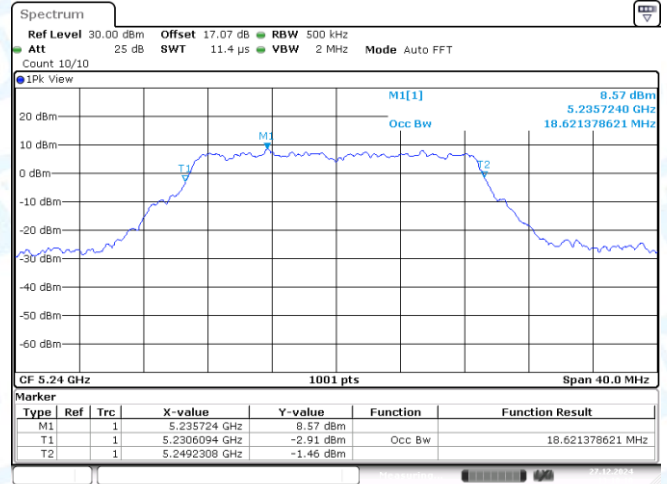
Date: 27.DEC.2024 13:00:12

11AC20MIMO-Ant2-5200



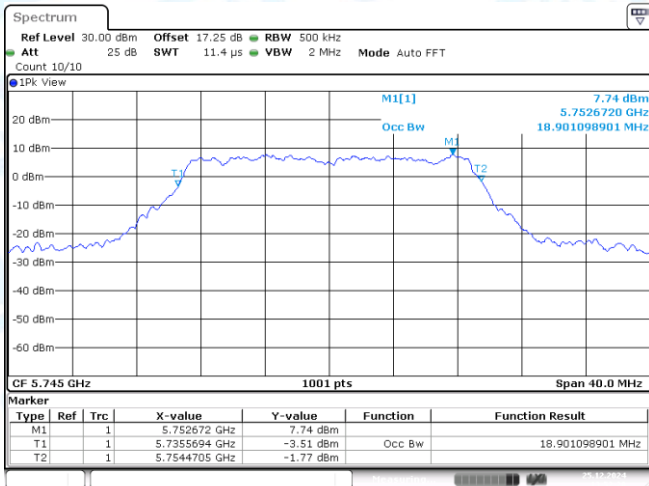
Date: 27.DEC.2024 13:05:06

11AC20MIMO-Ant1-5240



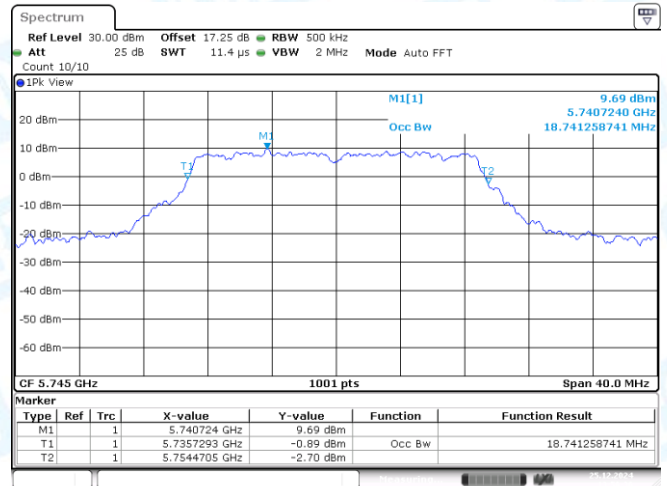
Date: 27.DEC.2024 13:10:09

11AC20MIMO-Ant2-5240



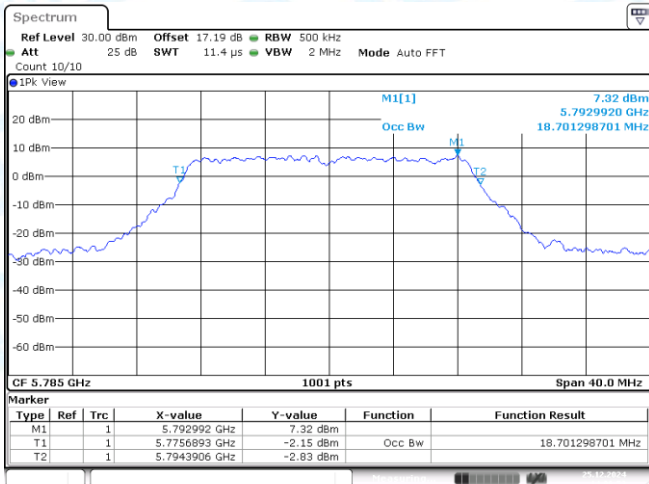
Date: 25.DEC.2024 13:52:29

11AC20MIMO-Ant1-5745



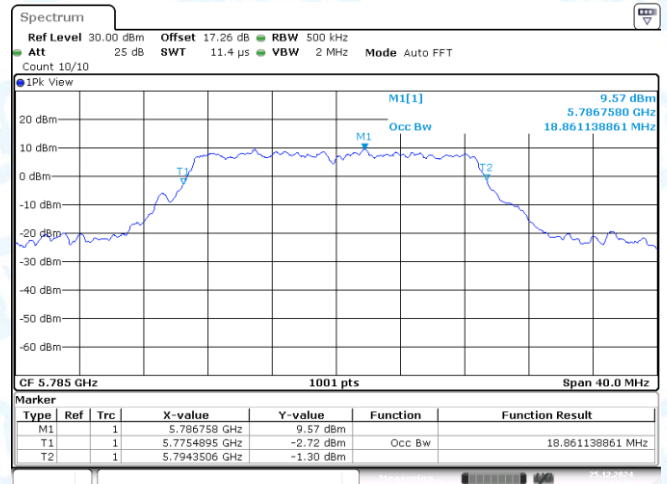
Date: 25.DEC.2024 13:56:37

11AC20MIMO-Ant2-5745



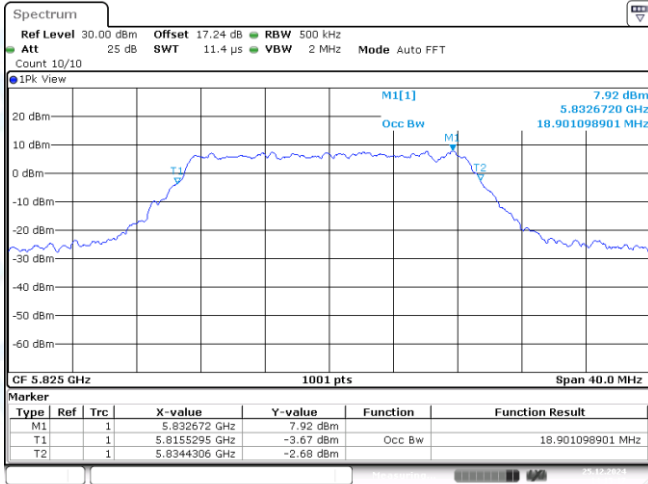
Date: 25.DEC.2024 14:06:53

11AC20MIMO-Ant1-5785



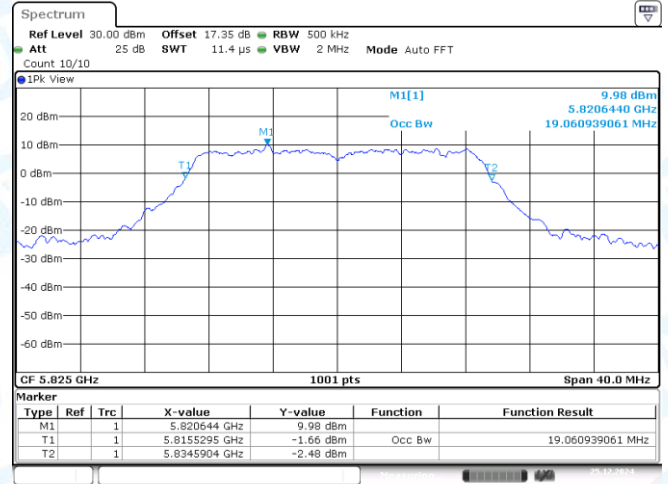
Date: 25.DEC.2024 14:11:10

11AC20MIMO-Ant2-5785



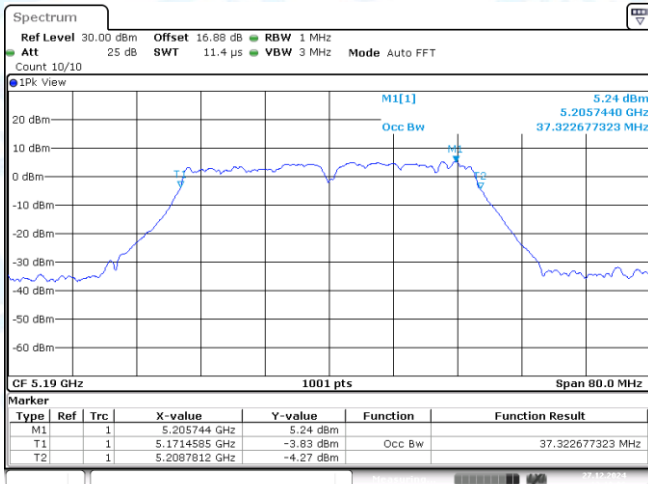
Date: 25.DEC.2024 14:15:16

11AC20MIMO-Ant1-5825



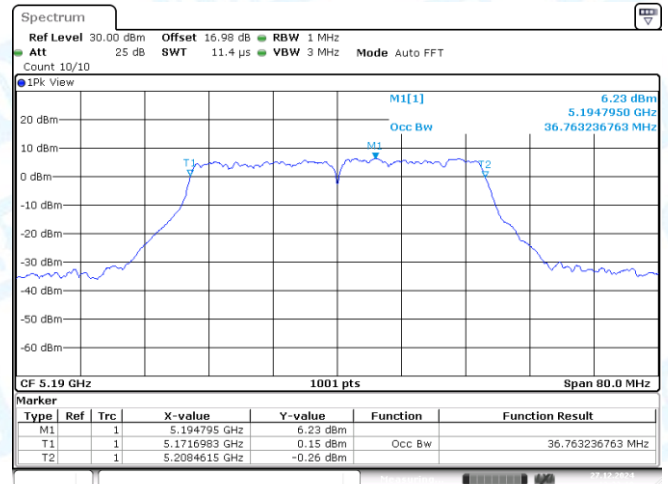
Date: 25.DEC.2024 14:20:02

11AC20MIMO-Ant2-5825



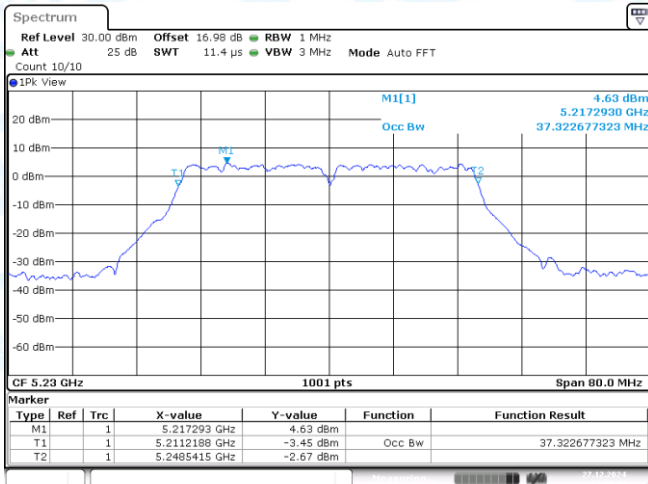
Date: 27.DEC.2024 13:18:07

11AC40MIMO-Ant1-5190



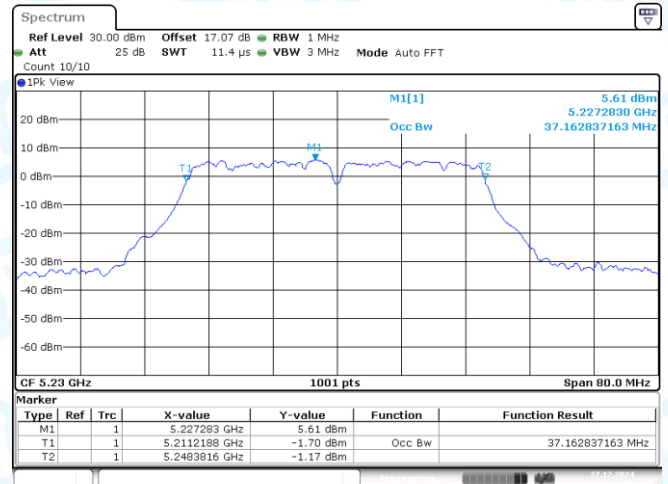
Date: 27.DEC.2024 13:23:10

11AC40MIMO-Ant2-5190



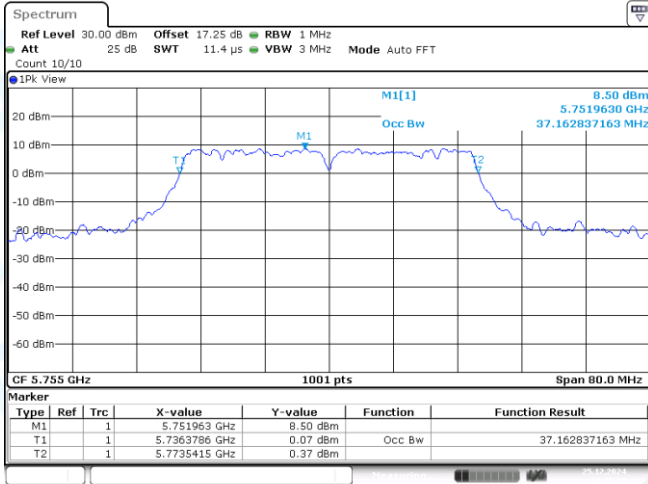
Date: 27.DEC.2024 13:30:44

11AC40MIMO-Ant1-5230



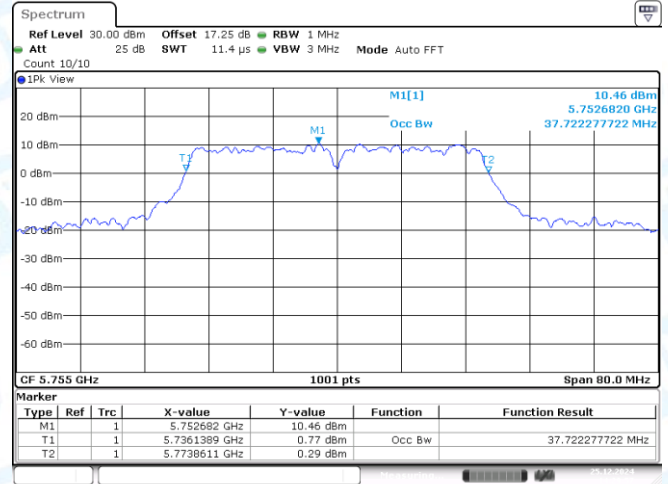
Date: 27.DEC.2024 13:35:46

11AC40MIMO-Ant2-5230



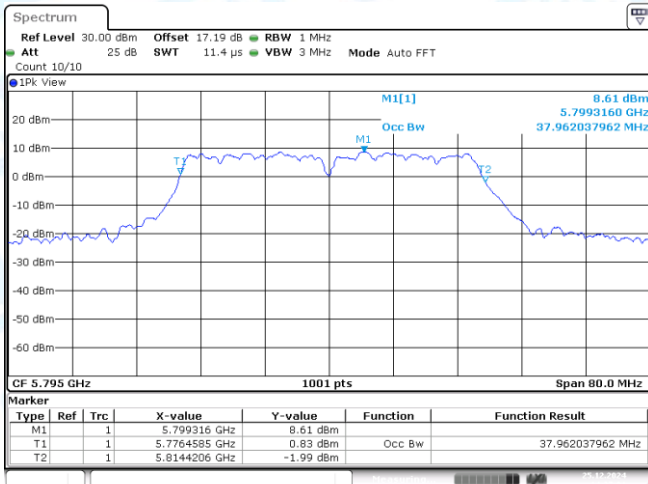
Date: 25.DEC.2024 14:25:24

11AC40MIMO-Ant1-5755



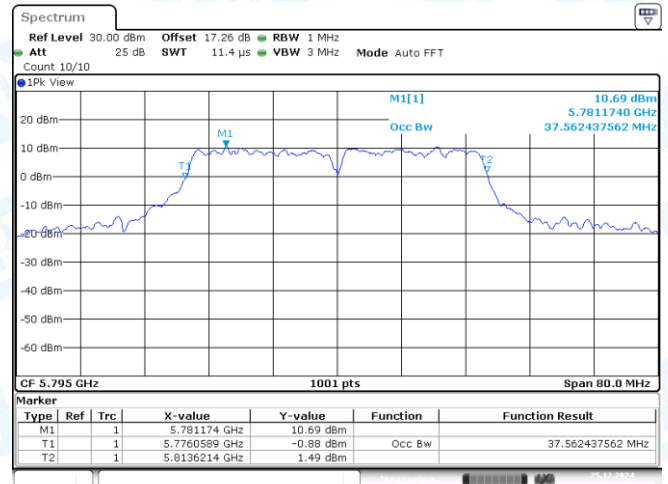
Date: 25.DEC.2024 14:29:57

11AC40MIMO-Ant2-5755



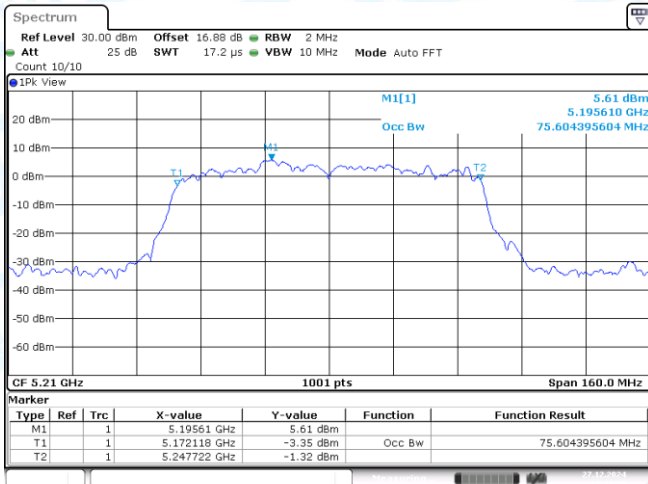
Date: 25.DEC.2024 14:37:01

11AC40MIMO-Ant1-5795



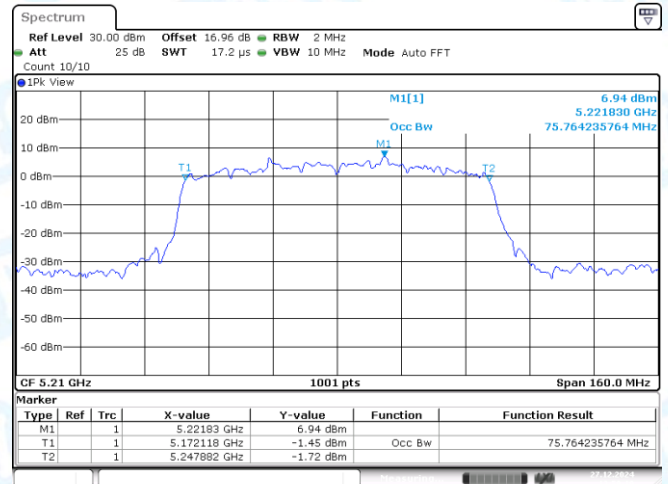
Date: 25.DEC.2024 14:41:35

11AC40MIMO-Ant2-5795



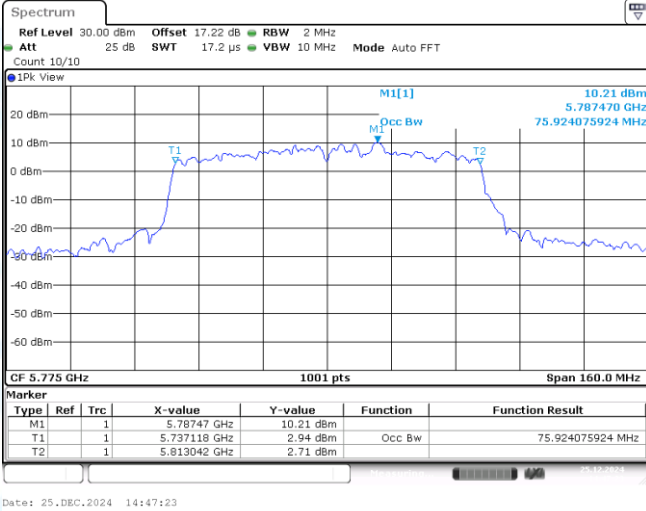
Date: 27.DEC.2024 13:43:48

11AC80MIMO-Ant1-5210

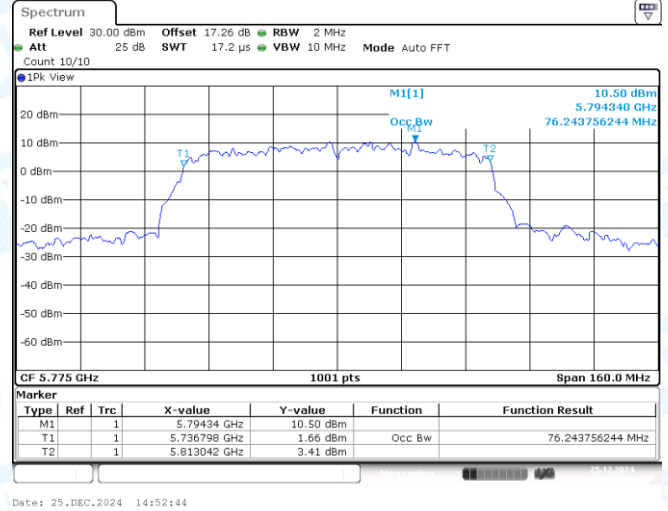


Date: 27.DEC.2024 13:50:20

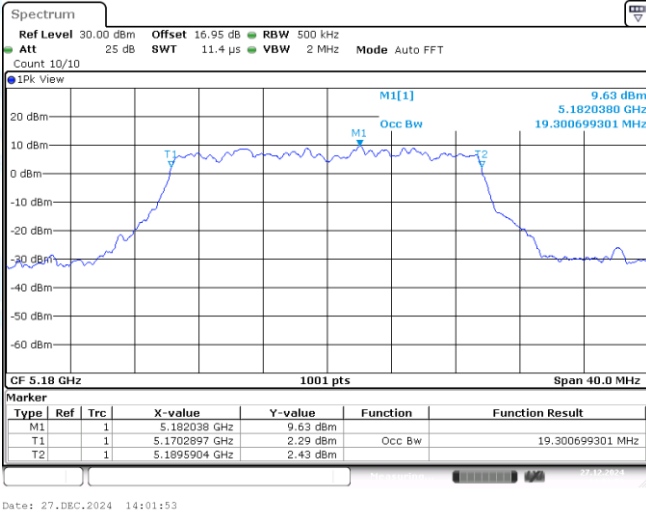
11AC80MIMO-Ant2-5210



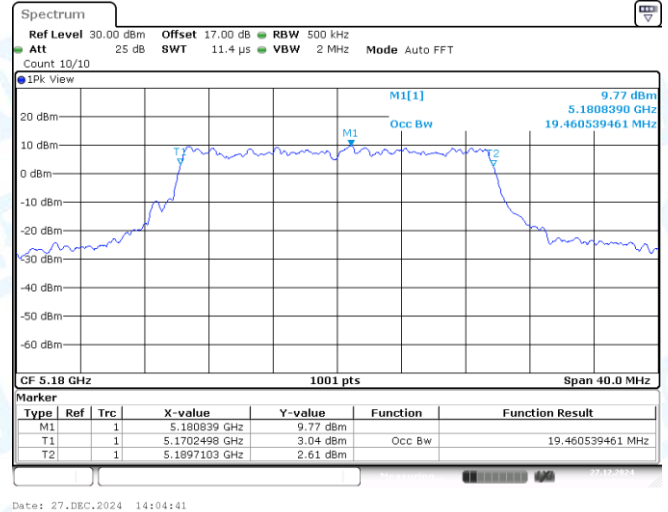
11AC80MIMO-Ant1-5775



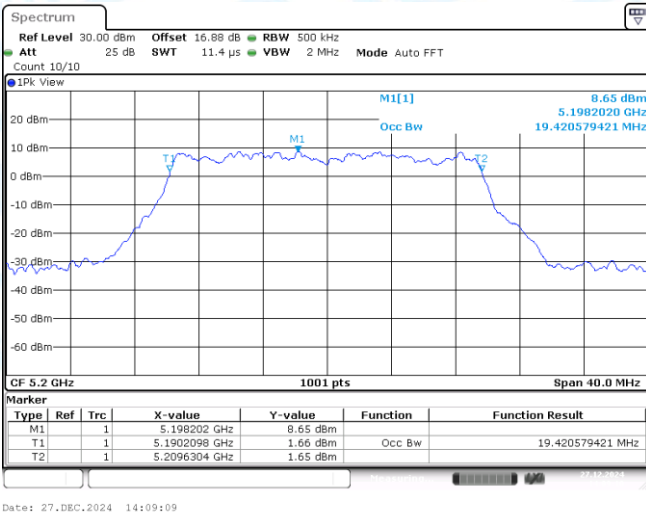
11AC80MIMO-Ant2-5775



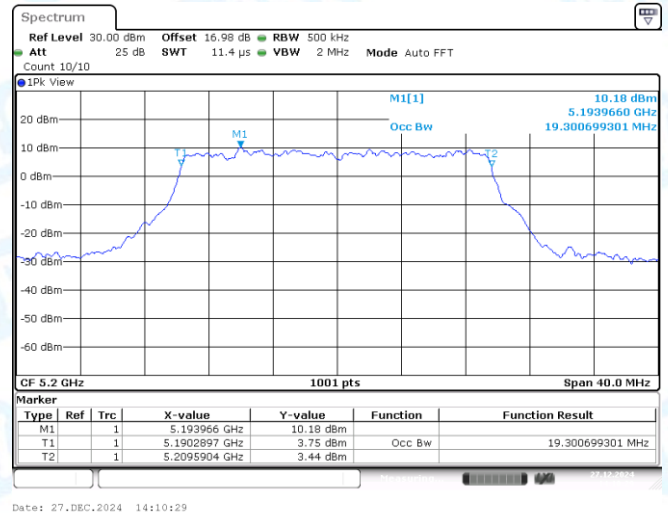
11AX20MIMO-Ant1-5180



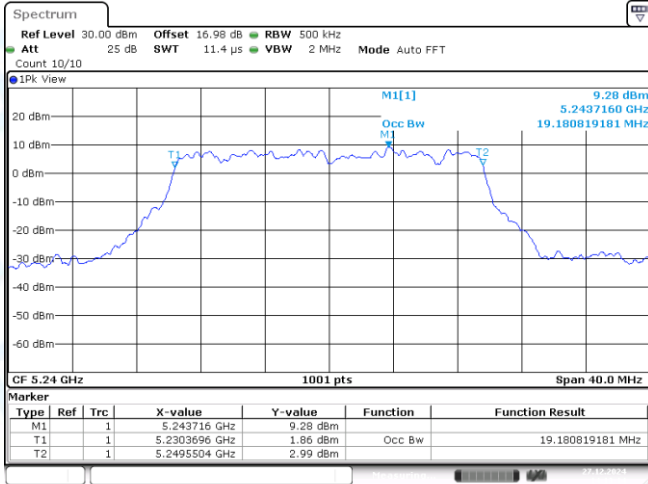
11AX20MIMO-Ant2-5180



11AX20MIMO-Ant1-5200

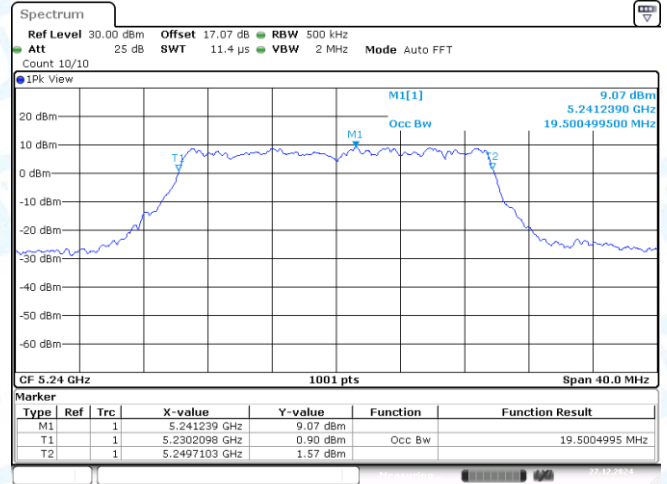


11AX20MIMO-Ant2-5200



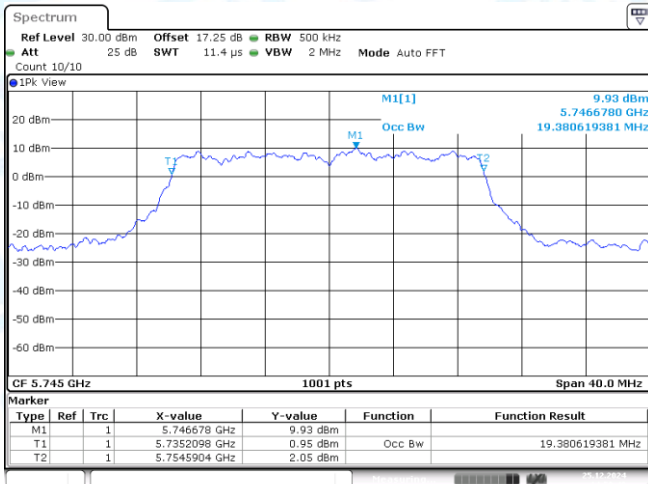
Date: 27.DEC.2024 14:13:15

11AX20MIMO-Ant1-5240



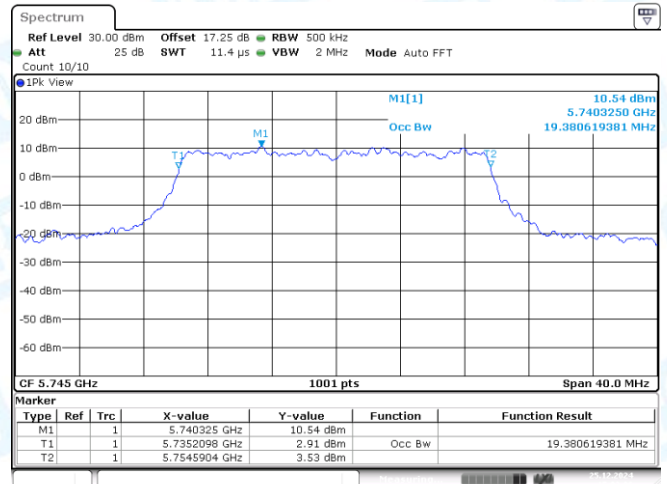
Date: 27.DEC.2024 14:16:04

11AX20MIMO-Ant2-5240



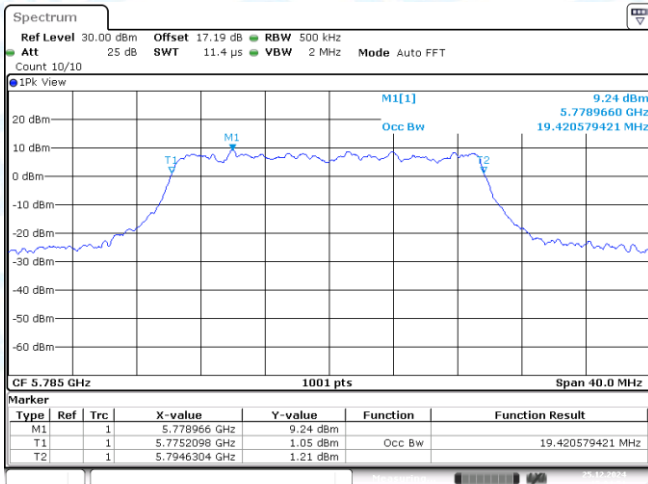
Date: 25.DEC.2024 14:59:48

11AX20MIMO-Ant1-5745



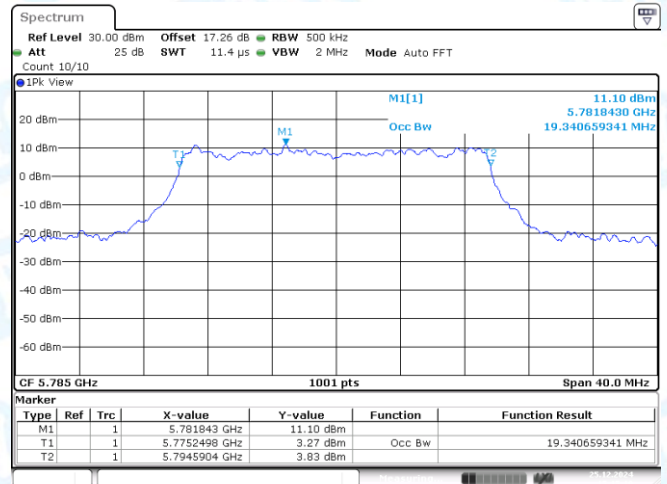
Date: 25.DEC.2024 15:02:07

11AX20MIMO-Ant2-5745



Date: 25.DEC.2024 15:04:52

11AX20MIMO-Ant1-5785



Date: 25.DEC.2024 15:15:10

11AX20MIMO-Ant2-5785