

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

General Description of EUT	
Product Name:	tablet computer
Test Model:	AYANEO KUN
Sample ID:	202307-0208-4-2#
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 11.55V
Test Engineer:	Li Ying Jing
Note: For a more detailed features description, please refer to the report TBR-C-202307-0208-43 The report only show the worst case data.	

Contents

1. Emission Bandwidth.....	3
1.1. Test Result.....	3
2.1. Test Graphs	4
2. Occupied channel bandwidth	18
2.1. Test Result.....	18
2.2. Test Graphs	20
3. Min emission bandwidth	47
3.1. Test Result.....	47
3.2. Test Graphs	48
4. Maximum conducted output power.....	62
4.1. Test Result.....	62
5. Maximum power spectral density	65
5.1. Test Result.....	65
5.2. Test Graphs	68
6. Band edge measurements	95
6.1. Test Result.....	95
6.2. Test Graphs	99
7. Emissions in Restricted Bands.....	118
7.1. Test Result.....	118
7.2. Test Graphs	127
8. Conducted Spurious Emission.....	152
8.1. Test Result.....	152
8.2. Test Graphs	156
9. Frequency Stability	211
9.1. Test Result.....	211
10. Duty Cycle	213
10.1. Test Result.....	213
10.2. Test Graphs.....	215

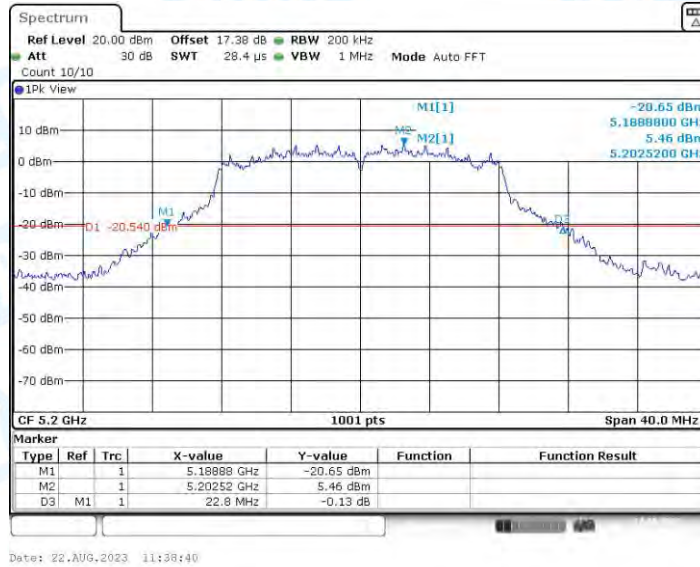
1. Emission Bandwidth

1.1. Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	23.36	5168.68	5192.04	---	---
	Ant2	5180	23.24	5168.40	5191.64	---	---
	Ant1	5200	22.80	5188.88	5211.68	---	---
	Ant2	5200	23.60	5188.08	5211.68	---	---
	Ant1	5240	22.52	5229.00	5251.52	---	---
	Ant2	5240	22.88	5228.72	5251.60	---	---
11N20MIMO	Ant1	5180	22.80	5168.60	5191.40	---	---
	Ant2	5180	23.76	5168.28	5192.04	---	---
	Ant1	5200	23.28	5188.64	5211.92	---	---
	Ant2	5200	23.88	5188.40	5212.28	---	---
	Ant1	5240	23.48	5228.52	5252.00	---	---
	Ant2	5240	23.36	5228.32	5251.68	---	---
11N40MIMO	Ant1	5190	44.24	5167.68	5211.92	---	---
	Ant2	5190	43.36	5168.08	5211.44	---	---
	Ant1	5230	42.64	5208.56	5251.20	---	---
	Ant2	5230	43.92	5208.00	5251.92	---	---
11AC20MIMO	Ant1	5180	22.76	5168.80	5191.56	---	---
	Ant2	5180	23.52	5168.08	5191.60	---	---
	Ant1	5200	23.68	5188.60	5212.28	---	---
	Ant2	5200	23.00	5188.40	5211.40	---	---
	Ant1	5240	23.24	5228.56	5251.80	---	---
	Ant2	5240	23.40	5228.44	5251.84	---	---
11AC40MIMO	Ant1	5190	42.80	5168.24	5211.04	---	---
	Ant2	5190	42.24	5168.72	5210.96	---	---
	Ant1	5230	43.28	5208.16	5251.44	---	---
	Ant2	5230	44.48	5207.68	5252.16	---	---
11AC80MIMO	Ant1	5210	84.96	5168.56	5253.52	---	---
	Ant2	5210	83.20	5168.08	5251.28	---	---
11AX20MIMO	Ant1	5180	23.52	5168.24	5191.76	---	---
	Ant2	5180	23.44	5168.32	5191.76	---	---
	Ant1	5200	23.60	5188.08	5211.68	---	---
	Ant2	5200	24.04	5187.84	5211.88	---	---
	Ant1	5240	23.72	5228.00	5251.72	---	---
	Ant2	5240	23.44	5228.40	5251.84	---	---
11AX40MIMO	Ant1	5190	41.68	5168.96	5210.64	---	---
	Ant2	5190	41.68	5169.12	5210.80	---	---
	Ant1	5230	44.24	5207.44	5251.68	---	---
	Ant2	5230	43.76	5208.08	5251.84	---	---
11AX80MIMO	Ant1	5210	84.32	5168.40	5252.72	---	---
	Ant2	5210	84.80	5168.40	5253.20	---	---

2.1. Test Graphs





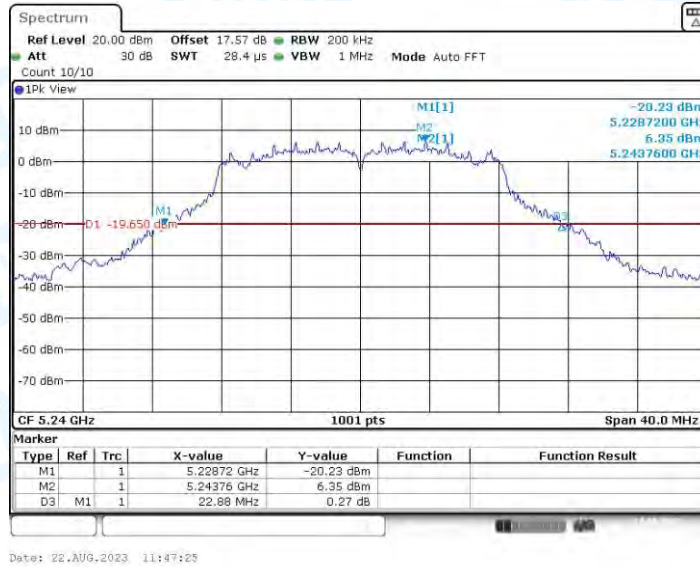
11A-CDD_Ant2_5200



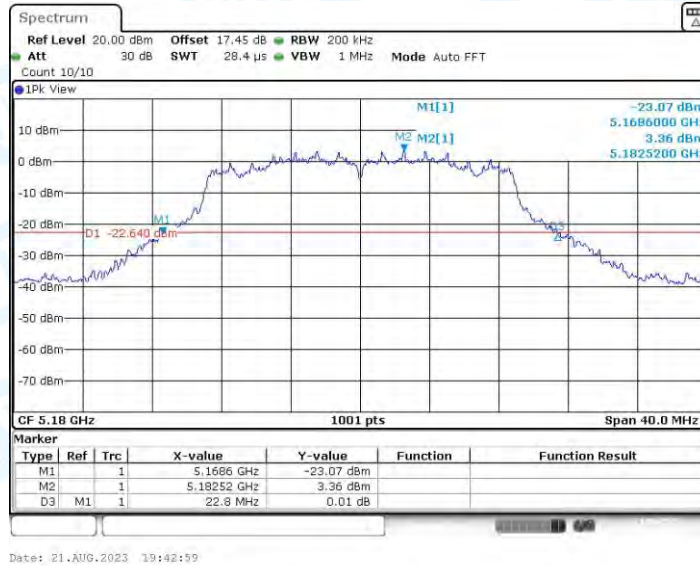
11A-CDD_Ant1_5240



11A-CDD_Ant2_5240



11N20MIMO_Ant1_5180



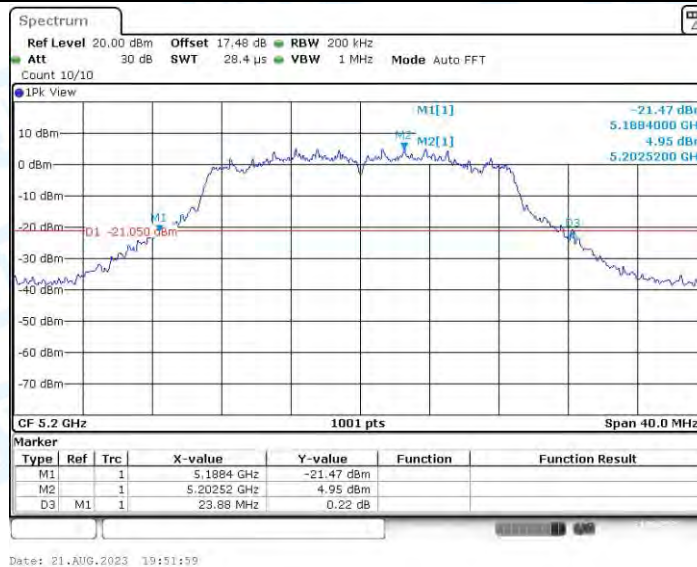
11N20MIMO_Ant2_5180



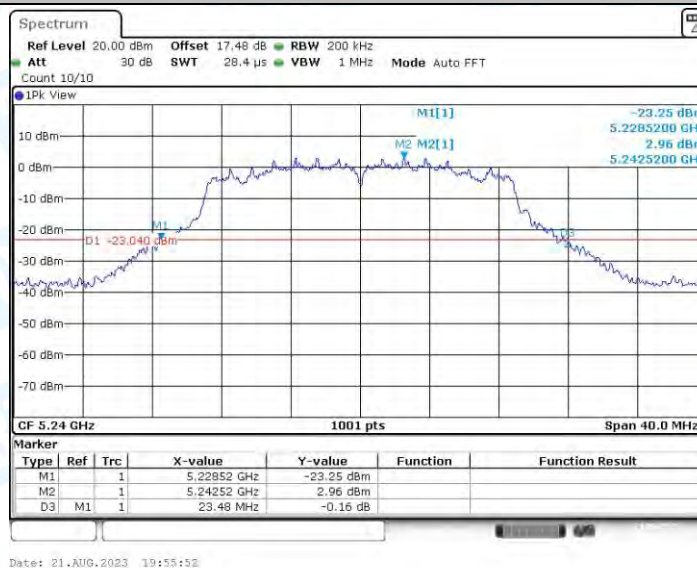
11N20MIMO_Ant1_5200



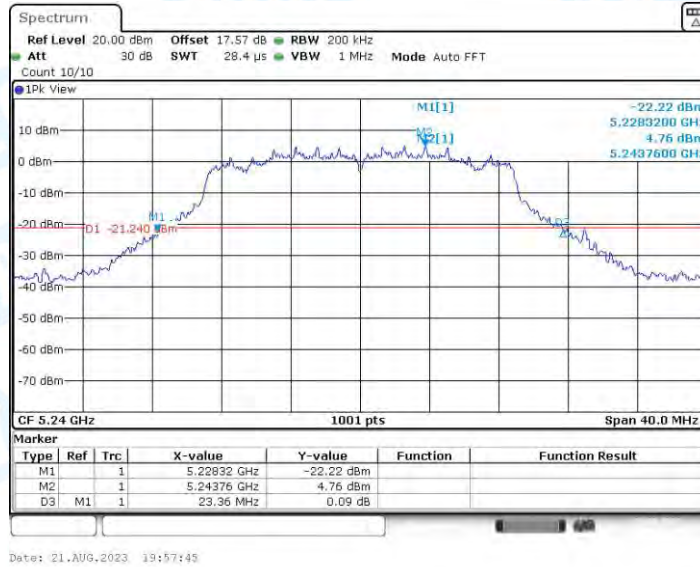
11N20MIMO_Ant2_5200



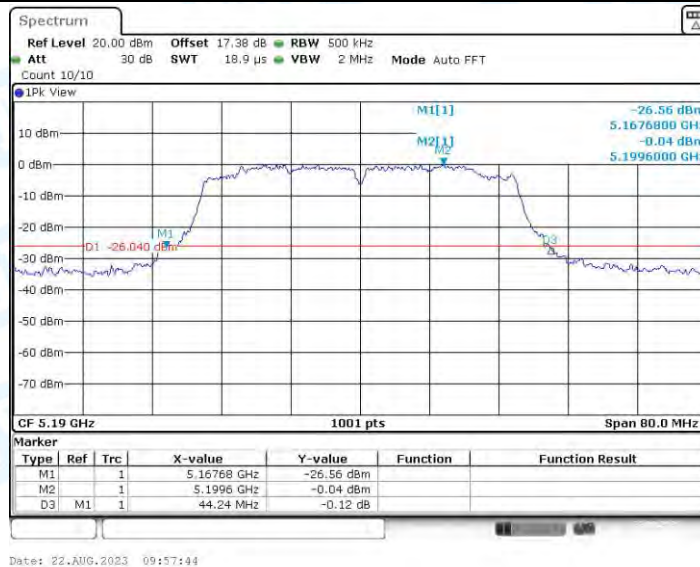
11N20MIMO_Ant1_5240



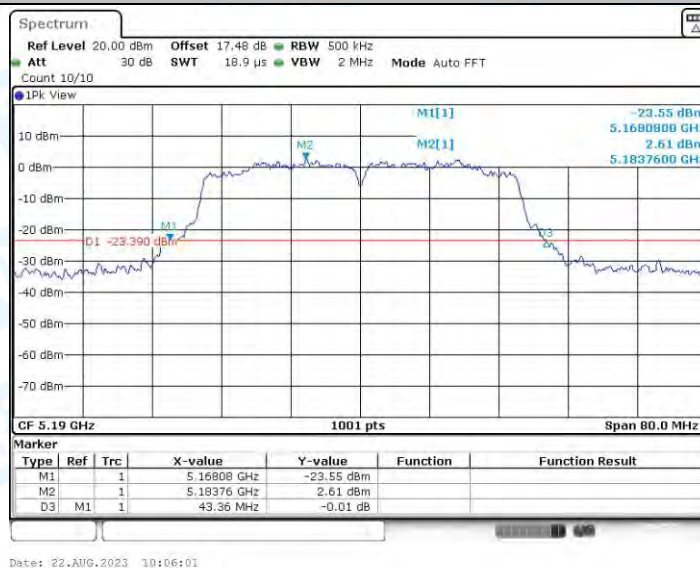
11N20MIMO_Ant2_5240



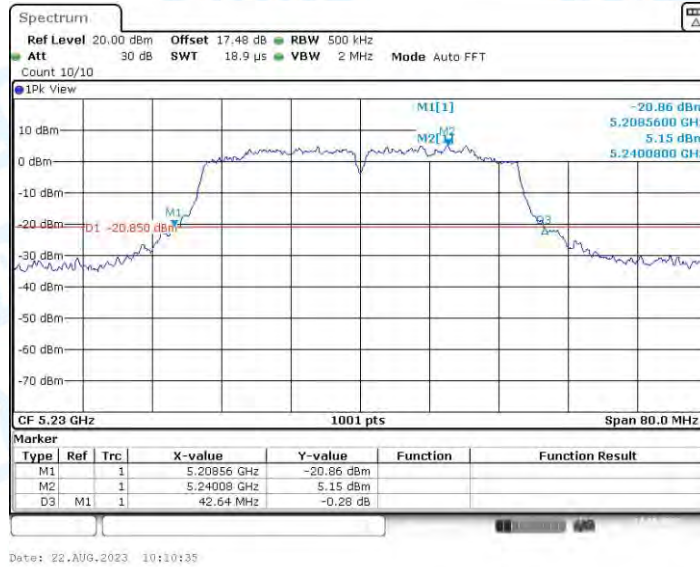
11N40MIMO_Ant1_5190



11N40MIMO_Ant2_5190



11N40MIMO_Ant1_5230



11N40MIMO_Ant2_5230



11AC20MIMO_Ant1_5180



11AC20MIMO_Ant2_5180



Date: 22.AUG.2023 15:15:51

11AC20MIMO_Ant1_5200



Date: 22.AUG.2023 15:22:42

11AC20MIMO_Ant2_5200



Date: 22.AUG.2023 15:24:43

11AC20MIMO_Ant1_5240



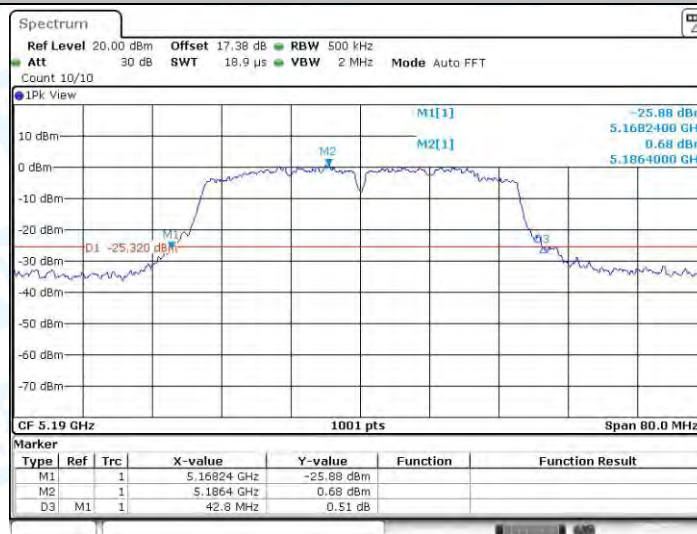
Date: 22.AUG.2023 15:28:49

11AC20MIMO_Ant2_5240



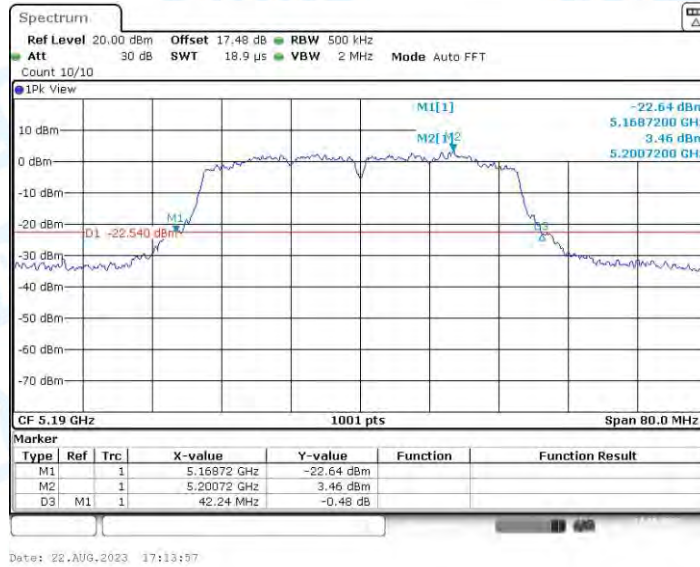
Date: 22.AUG.2023 15:32:18

11AC40MIMO_Ant1_5190

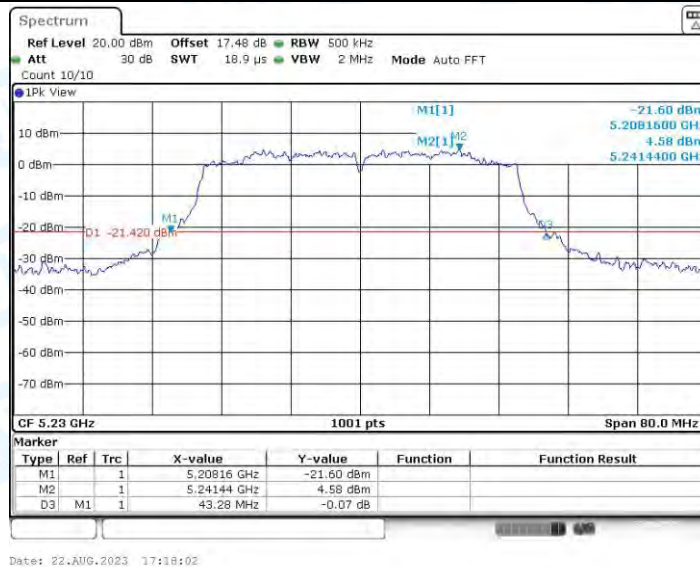


Date: 22.AUG.2023 17:10:40

11AC40MIMO_Ant2_5190



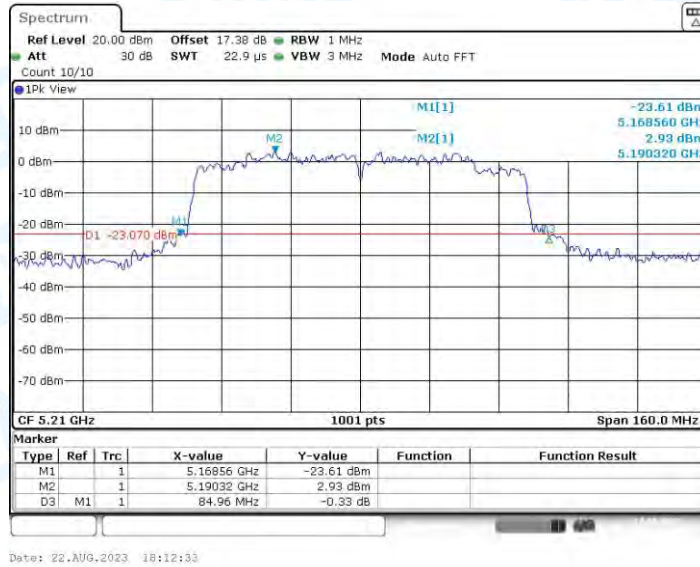
11AC40MIMO_Ant1_5230



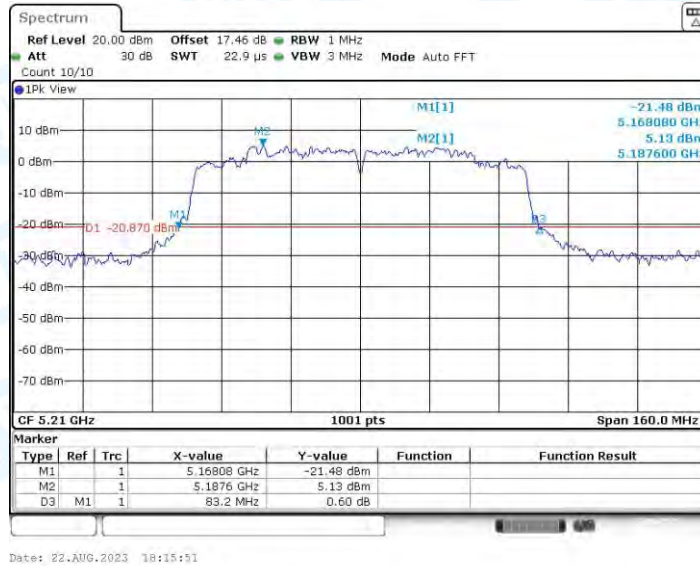
11AC40MIMO_Ant2_5230



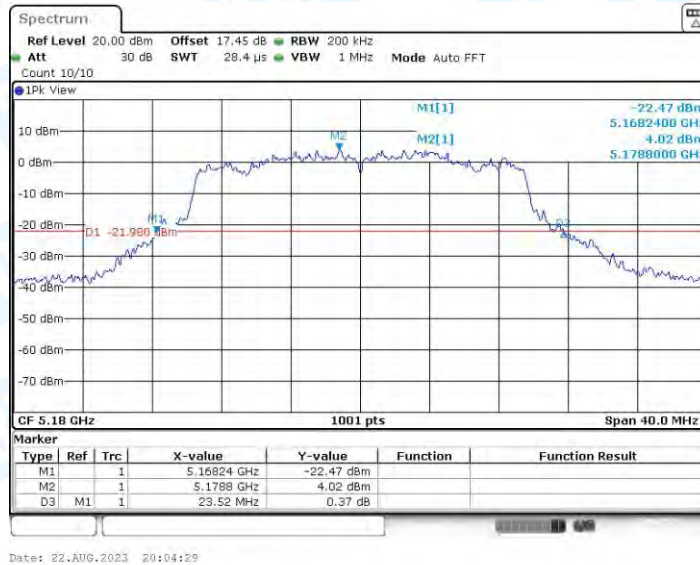
11AC80MIMO_Ant1_5210



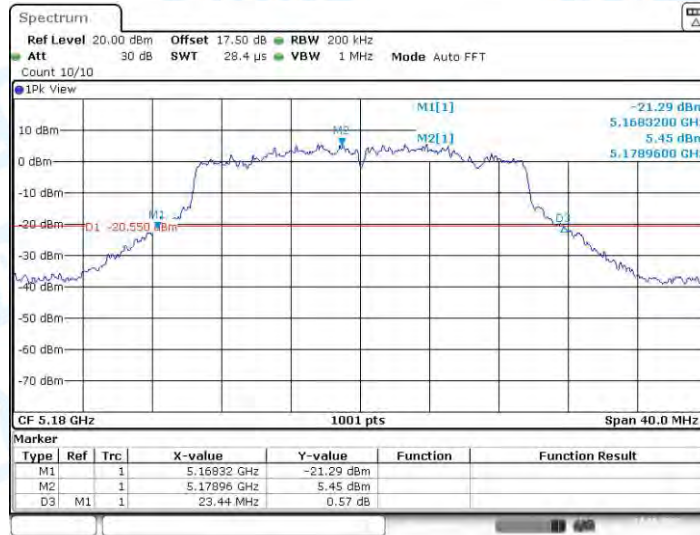
11AC80MIMO_Ant2_5210



11AX20MIMO_Ant1_5180

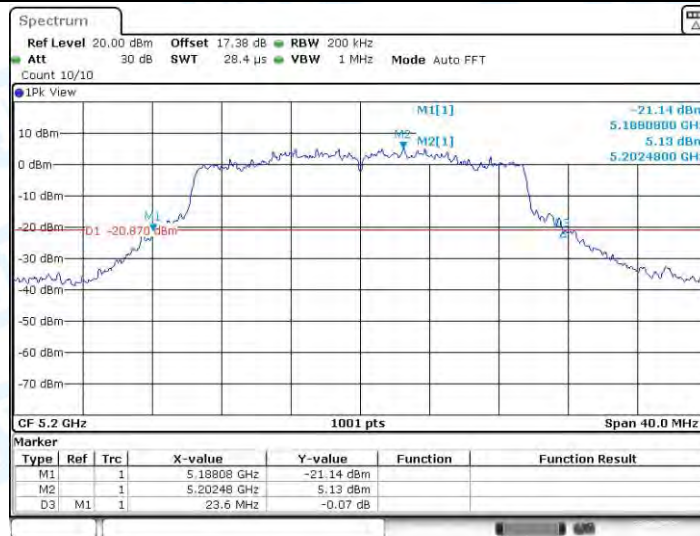


11AX20MIMO_Ant2_5180



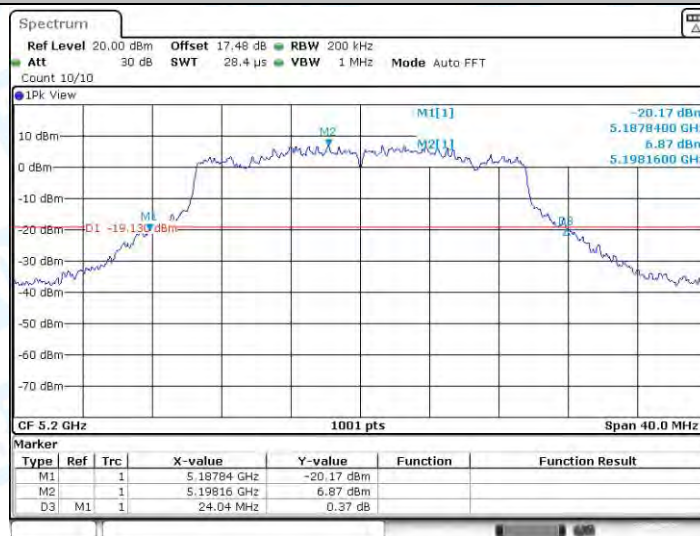
Date: 22.AUG.2023 20:07:47

11AX20MIMO_Ant1_5200



Date: 23.AUG.2023 08:40:10

11AX20MIMO_Ant2_5200

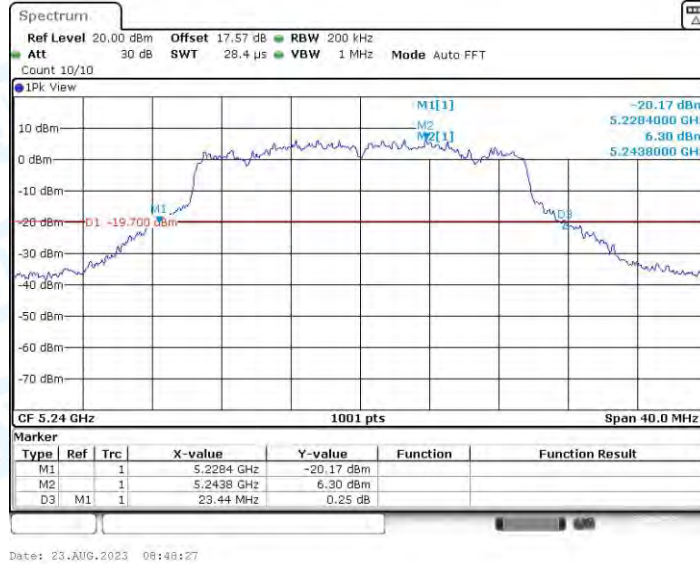


Date: 23.AUG.2023 08:42:14

11AX20MIMO_Ant1_5240



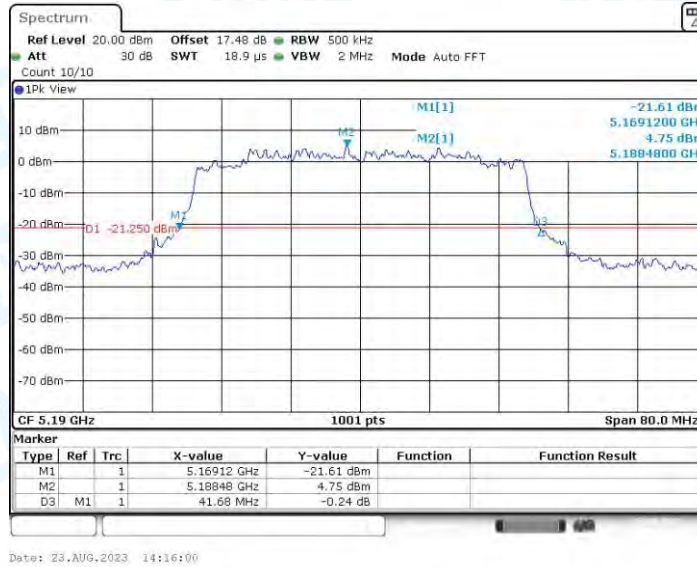
11AX20MIMO_Ant2_5240



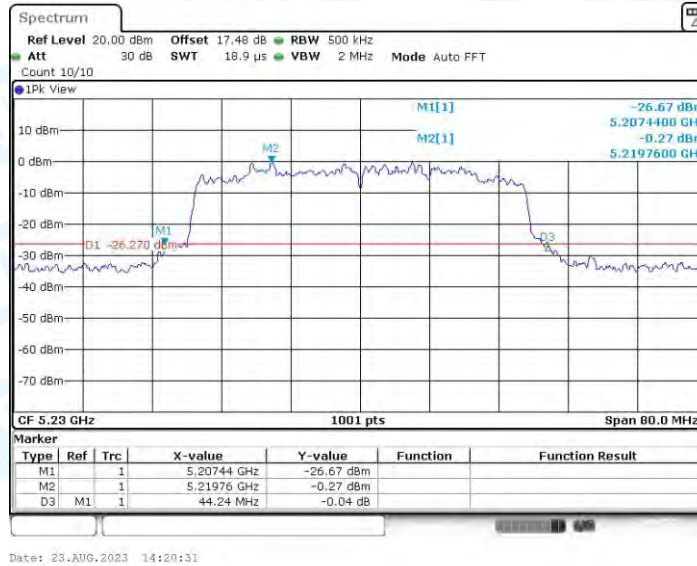
11AX40MIMO_Ant1_5190



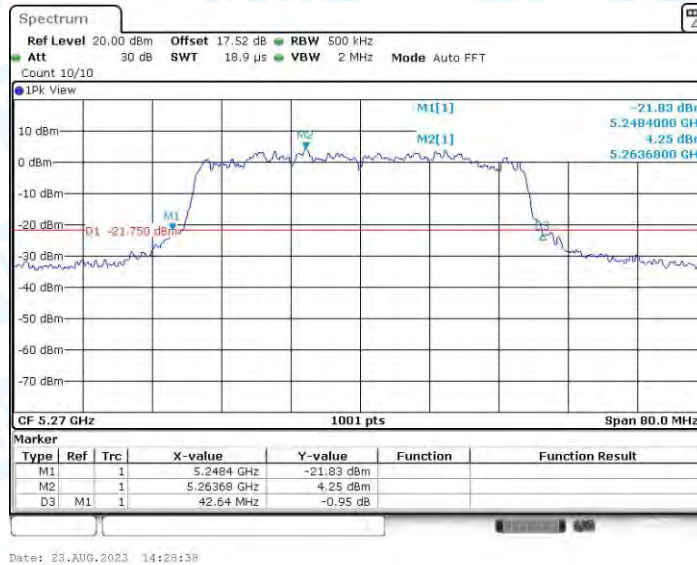
11AX40MIMO_Ant2_5190



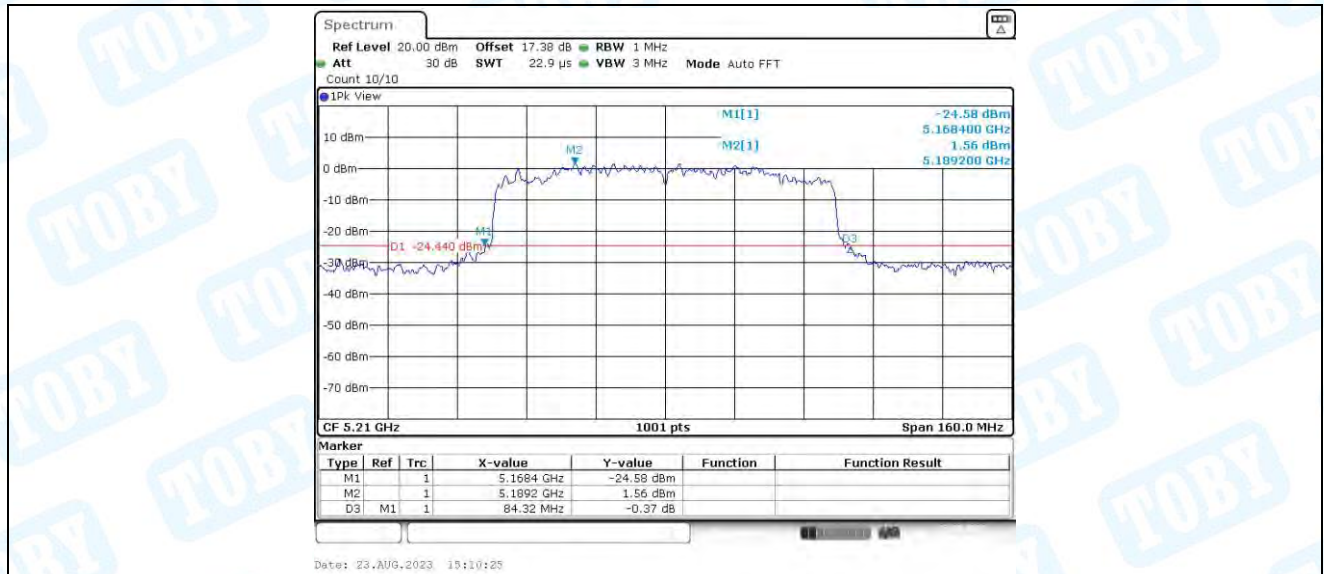
11AX40MIMO_Ant1_5230



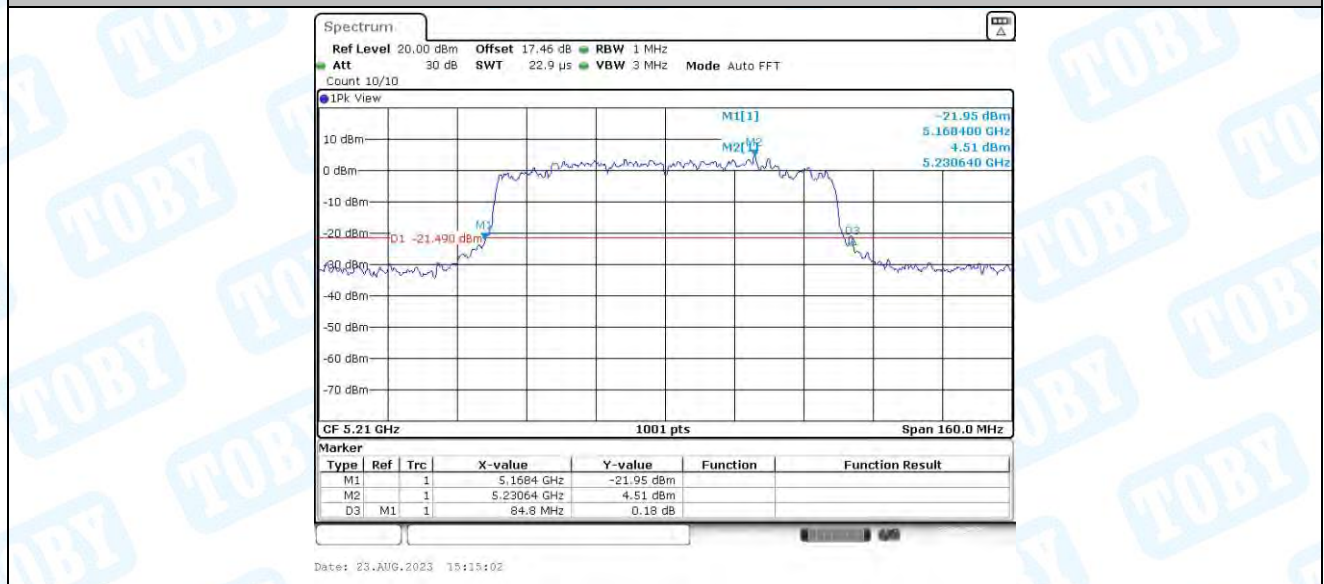
11AX40MIMO_Ant2_5230



11AX80MIMO_Ant1_5210



11AX80MIMO_Ant2_5210



2. Occupied channel bandwidth

2.1. Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	17.143	5171.5285	5188.6713	---	---
	Ant2	5180	16.743	5171.6883	5188.4316	---	---
	Ant1	5200	17.103	5191.6883	5208.7912	---	---
	Ant2	5200	17.103	5191.4885	5208.5914	---	---
	Ant1	5240	16.783	5231.6084	5248.3916	---	---
	Ant2	5240	16.743	5231.6883	5248.4316	---	---
	Ant1	5745	17.223	5736.4885	5753.7113	---	---
	Ant2	5745	16.663	5736.7682	5753.4316	---	---
	Ant1	5785	16.903	5776.5684	5793.4715	---	---
	Ant2	5785	16.783	5776.6883	5793.4715	---	---
	Ant1	5825	16.903	5816.5285	5833.4316	---	---
	Ant2	5825	16.943	5816.6484	5833.5914	---	---
11N20MIMO	Ant1	5180	17.782	5171.1289	5188.9111	---	---
	Ant2	5180	17.942	5171.0889	5189.0310	---	---
	Ant1	5200	17.862	5191.1688	5209.0310	---	---
	Ant2	5200	17.942	5191.0090	5208.9510	---	---
	Ant1	5240	17.982	5231.1289	5249.1109	---	---
	Ant2	5240	18.222	5231.0889	5249.3107	---	---
	Ant1	5745	17.862	5736.1688	5754.0310	---	---
	Ant2	5745	18.142	5735.9291	5754.0709	---	---
	Ant1	5785	17.822	5776.0889	5793.9111	---	---
	Ant2	5785	17.982	5776.0490	5794.0310	---	---
	Ant1	5825	17.862	5816.0889	5833.9510	---	---
	Ant2	5825	17.862	5816.1688	5834.0310	---	---
11N40MIMO	Ant1	5190	35.884	5172.1778	5208.0619	---	---
	Ant2	5190	36.204	5171.9381	5208.1419	---	---
	Ant1	5230	36.284	5211.7782	5248.0619	---	---
	Ant2	5230	36.284	5211.8581	5248.1419	---	---
	Ant1	5755	36.523	5736.7782	5773.3017	---	---
	Ant2	5755	36.204	5736.9381	5773.1419	---	---
	Ant1	5795	36.124	5776.9381	5813.0619	---	---
	Ant2	5795	36.284	5777.0180	5813.3017	---	---
11AC20MIMO	Ant1	5180	17.023	5171.6084	5188.6314	---	---
	Ant2	5180	16.903	5171.5285	5188.4316	---	---
	Ant1	5200	18.022	5191.0490	5209.0709	---	---
	Ant2	5200	18.142	5190.8492	5208.9910	---	---
	Ant1	5240	18.062	5231.0889	5249.1508	---	---
	Ant2	5240	17.902	5231.0889	5248.9910	---	---
	Ant1	5745	17.822	5736.2088	5754.0310	---	---
	Ant2	5745	17.942	5736.1688	5754.1109	---	---

	Ant1	5785	18.142	5776.0090	5794.1508	---	---
	Ant2	5785	18.142	5776.2088	5794.3506	---	---
	Ant1	5825	17.982	5816.0090	5833.9910	---	---
	Ant2	5825	17.982	5816.0889	5834.0709	---	---
11AC40MIMO	Ant1	5190	36.284	5171.9381	5208.2218	---	---
	Ant2	5190	36.124	5172.0180	5208.1419	---	---
	Ant1	5230	36.444	5211.7782	5248.2218	---	---
	Ant2	5230	36.284	5211.9381	5248.2218	---	---
	Ant1	5755	36.124	5737.0180	5773.1419	---	---
	Ant2	5755	36.284	5737.0180	5773.3017	---	---
	Ant1	5795	36.204	5776.8581	5813.0619	---	---
	Ant2	5795	36.364	5776.8581	5813.2218	---	---
11AC80MIMO	Ant1	5210	75.445	5172.4376	5247.8821	---	---
	Ant2	5210	75.125	5172.4376	5247.5624	---	---
	Ant1	5775	75.125	5737.1179	5812.2428	---	---
	Ant2	5775	75.604	5737.2777	5812.8821	---	---
11AX20MIMO	Ant1	5180	18.941	5170.5694	5189.5105	---	---
	Ant2	5180	18.981	5170.5694	5189.5504	---	---
	Ant1	5200	18.861	5190.6094	5209.4705	---	---
	Ant2	5200	19.101	5190.4895	5209.5904	---	---
	Ant1	5240	18.981	5230.6094	5249.5904	---	---
	Ant2	5240	18.941	5230.5694	5249.5105	---	---
	Ant1	5745	19.101	5735.5295	5754.6304	---	---
	Ant2	5745	18.861	5735.6893	5754.5504	---	---
	Ant1	5785	19.261	5775.5694	5794.8302	---	---
	Ant2	5785	18.981	5775.6893	5794.6703	---	---
	Ant1	5825	19.101	5815.5295	5834.6304	---	---
	Ant2	5825	19.141	5815.4895	5834.6304	---	---
11AX40MIMO	Ant1	5190	37.483	5171.2188	5208.7013	---	---
	Ant2	5190	37.403	5171.2987	5208.7013	---	---
	Ant1	5230	37.722	5211.1389	5248.8611	---	---
	Ant2	5230	37.562	5211.2188	5248.7812	---	---
	Ant1	5755	37.802	5736.0589	5773.8611	---	---
	Ant2	5755	37.642	5736.2188	5773.8611	---	---
	Ant1	5795	37.562	5776.2987	5813.8611	---	---
	Ant2	5795	37.562	5776.2987	5813.8611	---	---
11AX80MIMO	Ant1	5210	75.924	5172.1179	5248.0420	---	---
	Ant2	5210	76.404	5171.9580	5248.3616	---	---
	Ant1	5775	77.043	5736.3187	5813.3616	---	---
	Ant2	5775	77.043	5736.4785	5813.5215	---	---

2.2. Test Graphs





11A-CDD_Ant2_5200



11A-CDD_Ant1_5240



11A-CDD_Ant2_5240



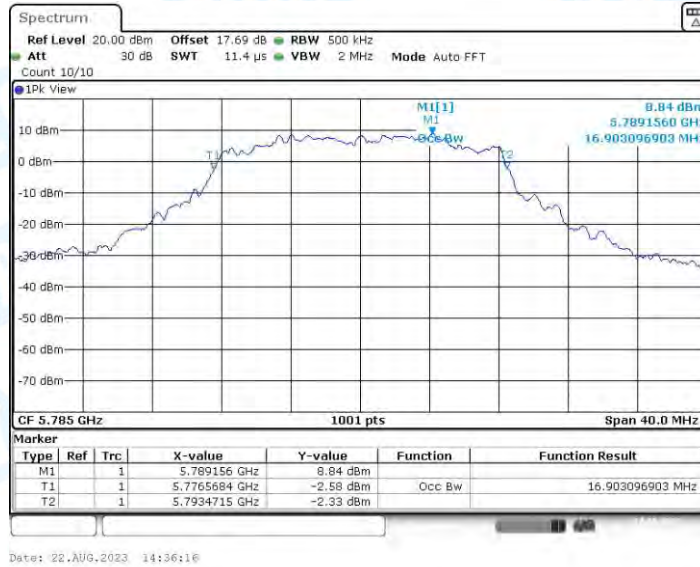
11A-CDD_Ant1_5745



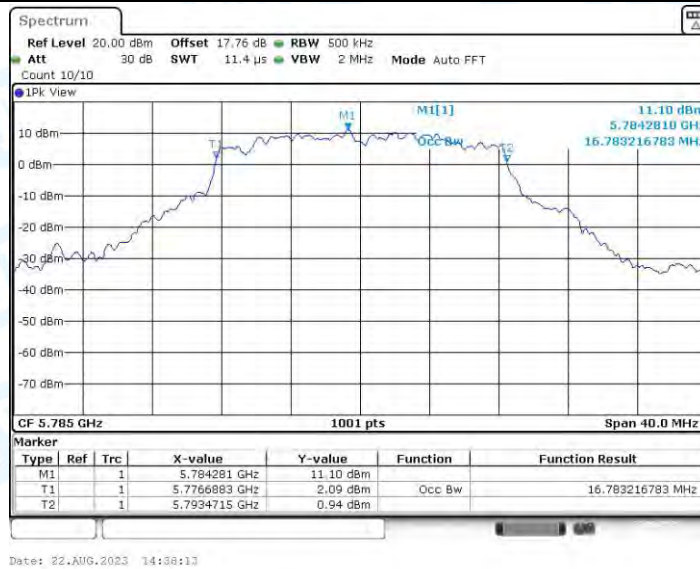
11A-CDD_Ant2_5745



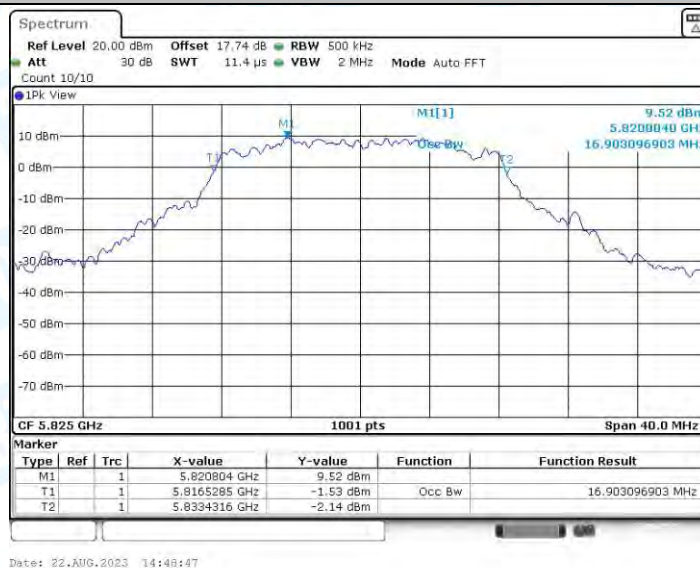
11A-CDD_Ant1_5785



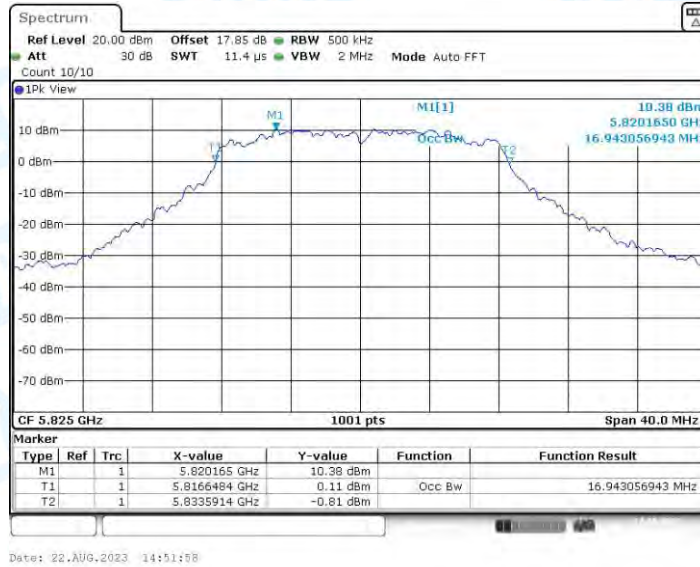
11A-CDD_Ant2_5785



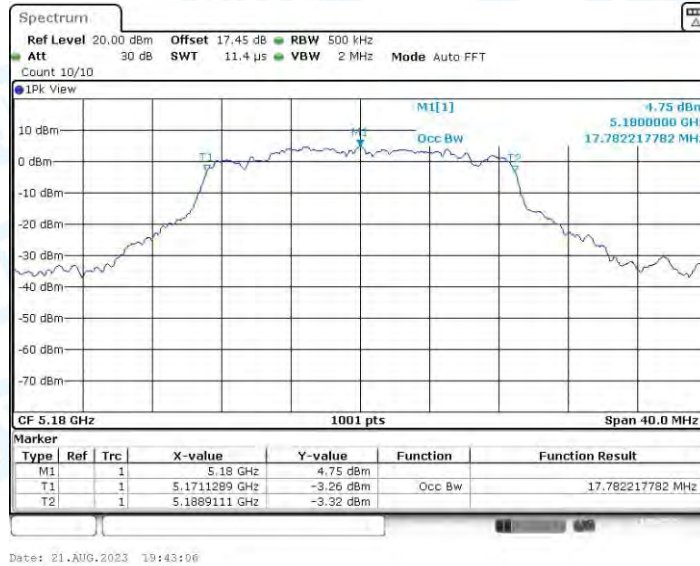
11A-CDD_Ant1_5825



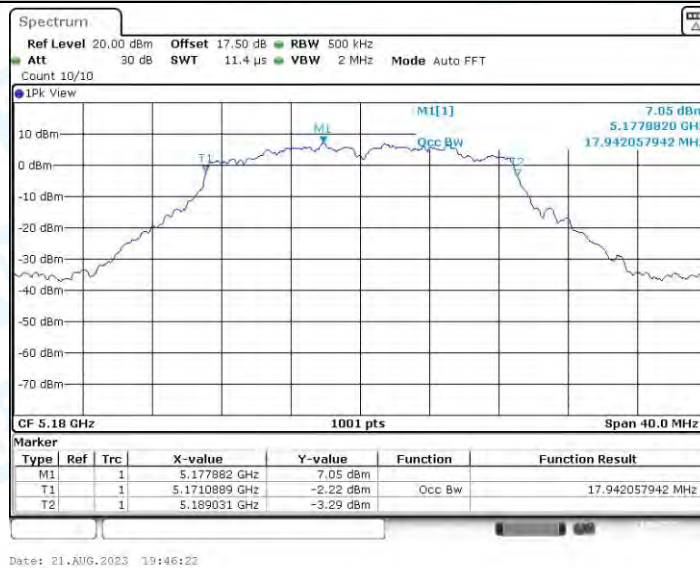
11A-CDD_Ant2_5825



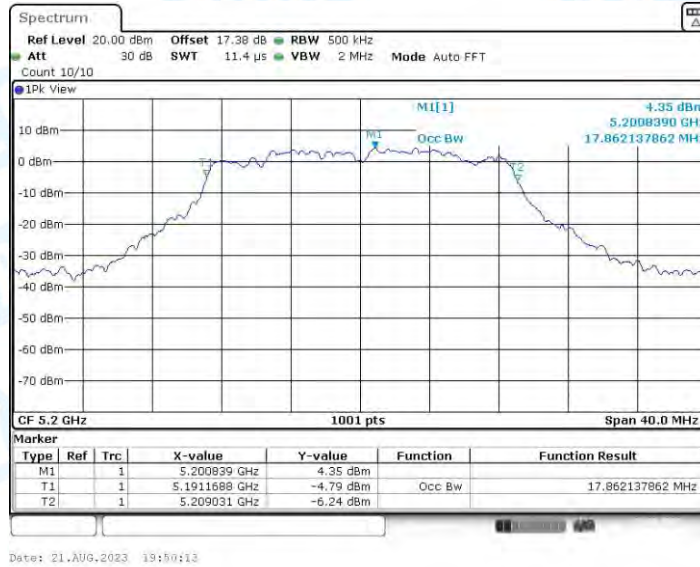
11N20MIMO_Ant1_5180



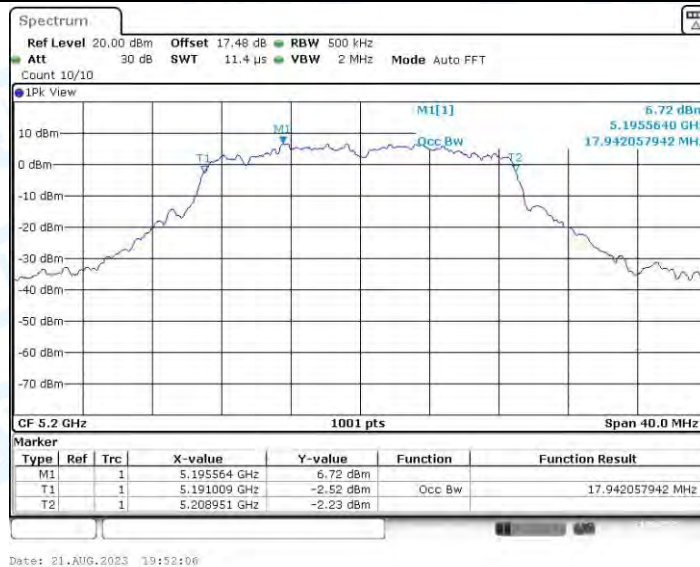
11N20MIMO_Ant2_5180



11N20MIMO_Ant1_5200



11N20MIMO_Ant2_5200



11N20MIMO_Ant1_5240



11N20MIMO_Ant2_5240



Date: 21.AUG.2023 19:57:52

11N20MIMO_Ant1_5745



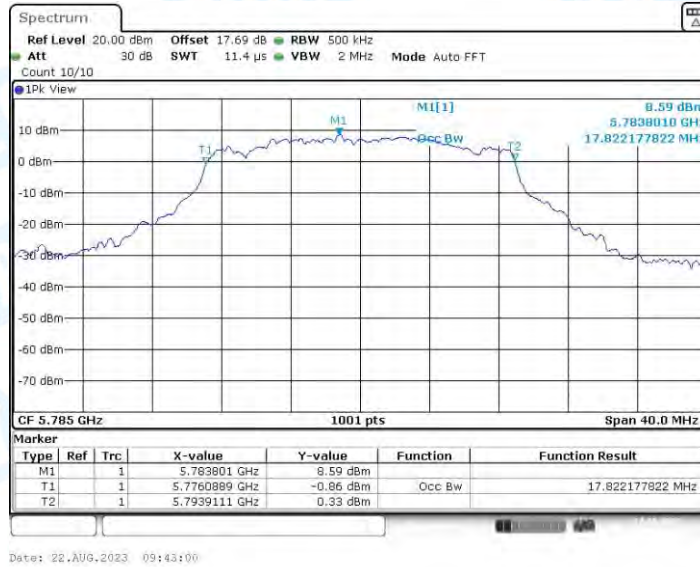
Date: 22.AUG.2023 09:35:38

11N20MIMO_Ant2_5745



Date: 22.AUG.2023 09:38:50

11N20MIMO_Ant1_5785



11N20MIMO_Ant2_5785



11N20MIMO_Ant1_5825



11N20MIMO_Ant2_5825



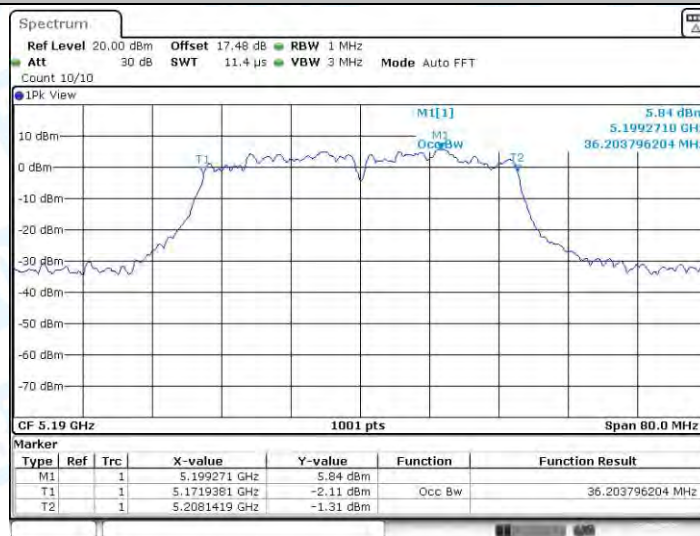
Date: 22.AUG.2023 09:52:23

11N40MIMO_Ant1_5190



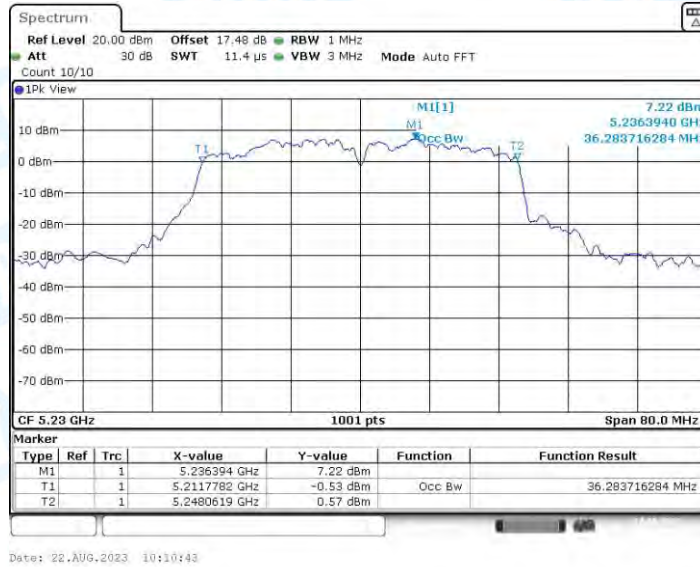
Date: 22.AUG.2023 09:57:51

11N40MIMO_Ant2_5190



Date: 22.AUG.2023 10:06:09

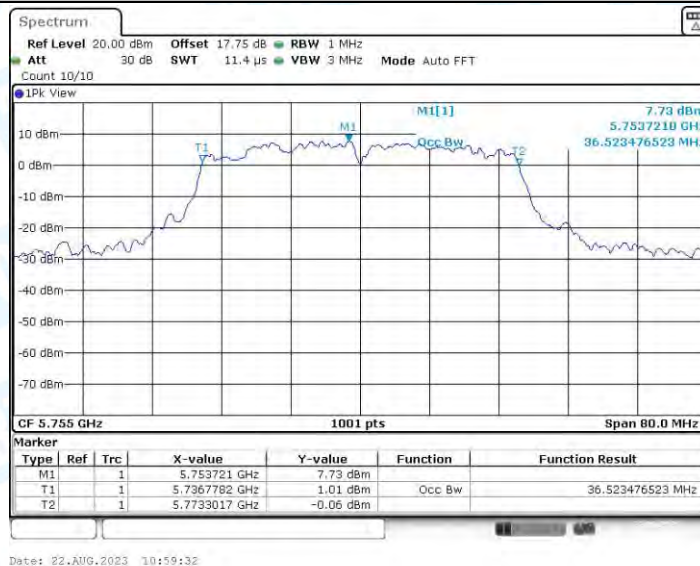
11N40MIMO_Ant1_5230



11N40MIMO_Ant2_5230



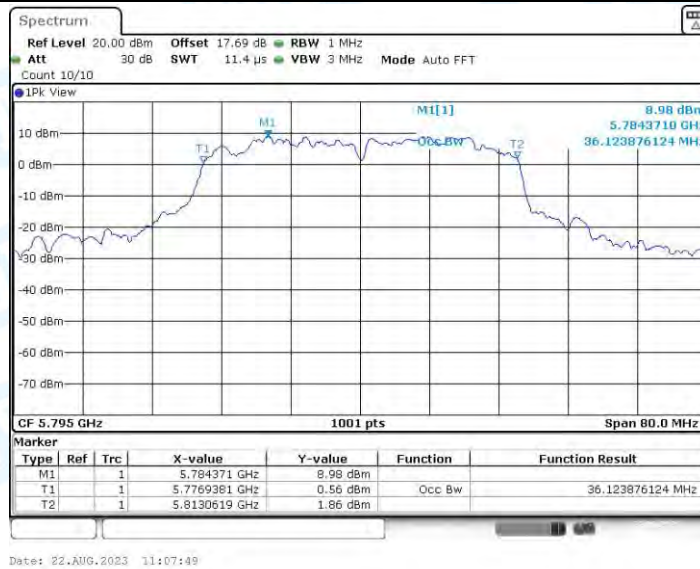
11N40MIMO_Ant1_5755



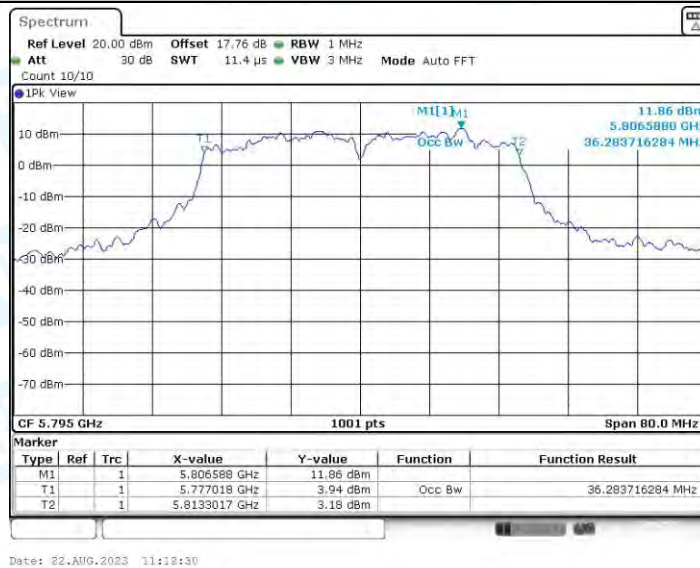
11N40MIMO_Ant2_5755



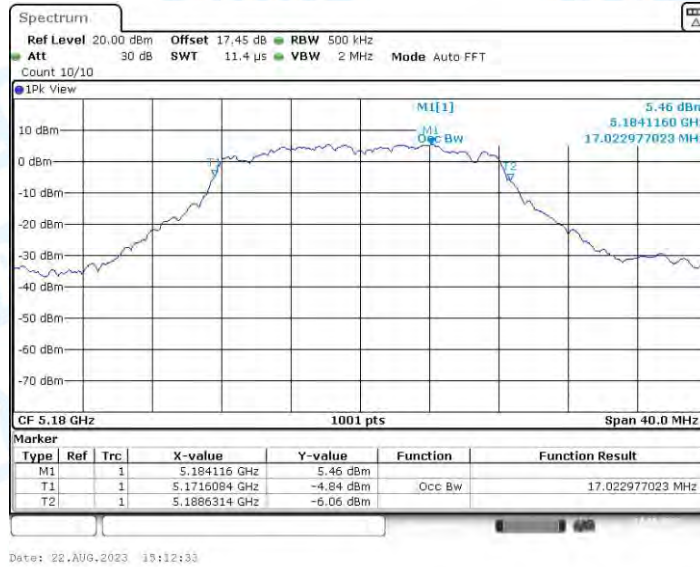
11N40MIMO_Ant1_5795



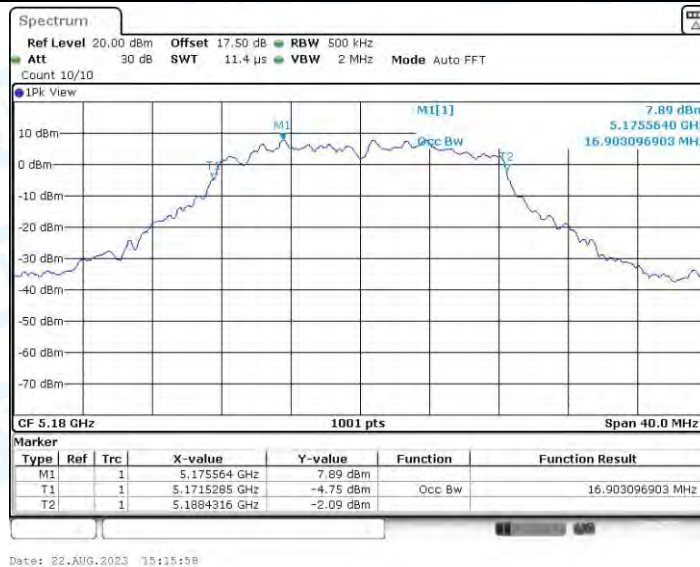
11N40MIMO_Ant2_5795



11AC20MIMO_Ant1_5180



11AC20MIMO_Ant2_5180



11AC20MIMO_Ant1_5200



11AC20MIMO_Ant2_5200



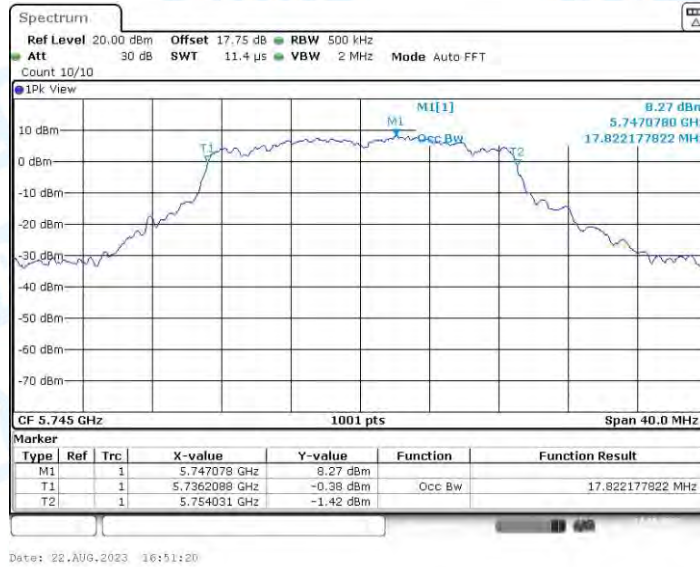
11AC20MIMO_Ant1_5240



11AC20MIMO_Ant2_5240



11AC20MIMO_Ant1_5745



11AC20MIMO_Ant2_5745



11AC20MIMO_Ant1_5785



11AC20MIMO_Ant2_5785



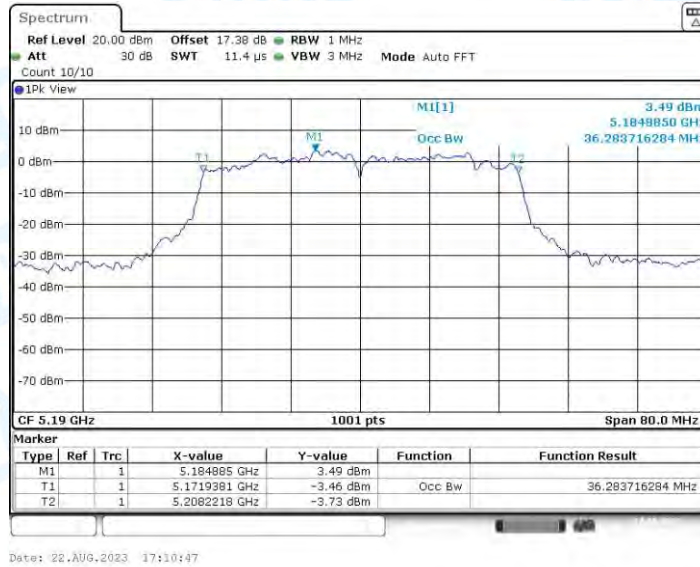
11AC20MIMO_Ant1_5825



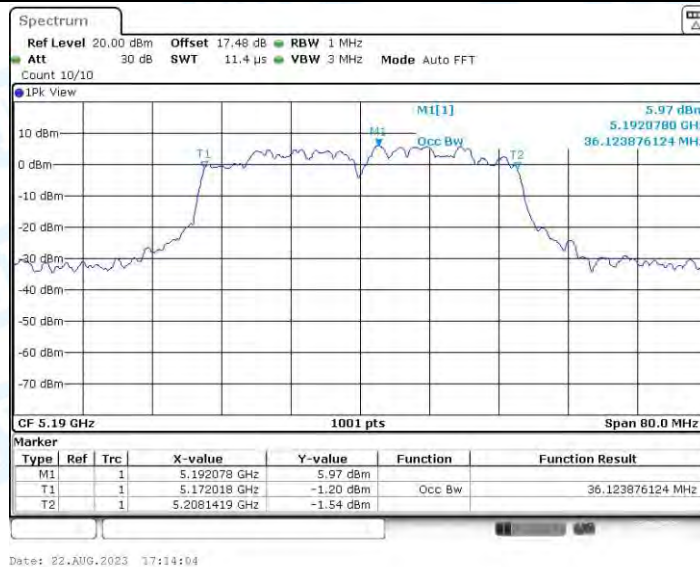
11AC20MIMO_Ant2_5825



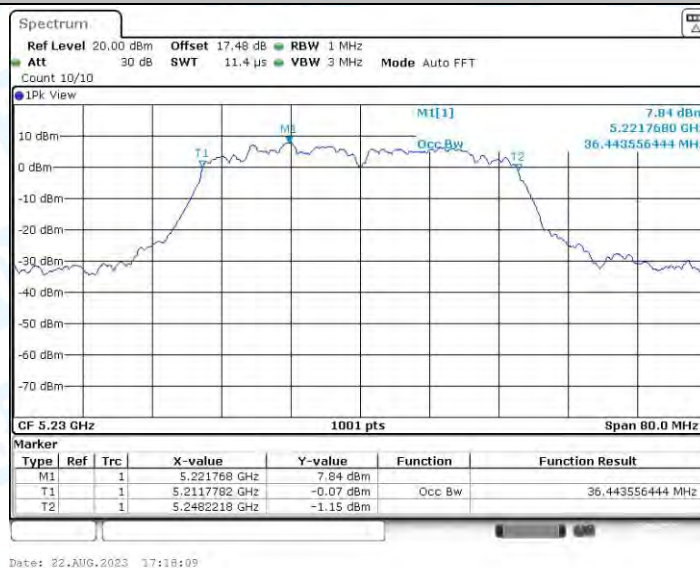
11AC40MIMO_Ant1_5190



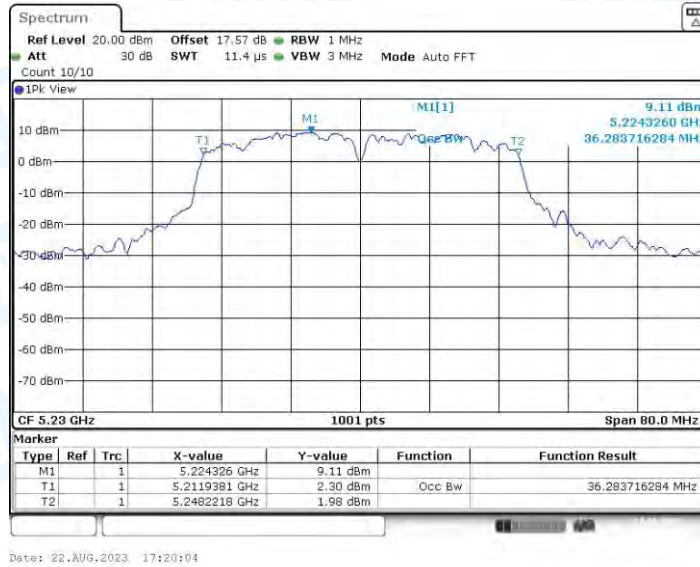
11AC40MIMO_Ant2_5190



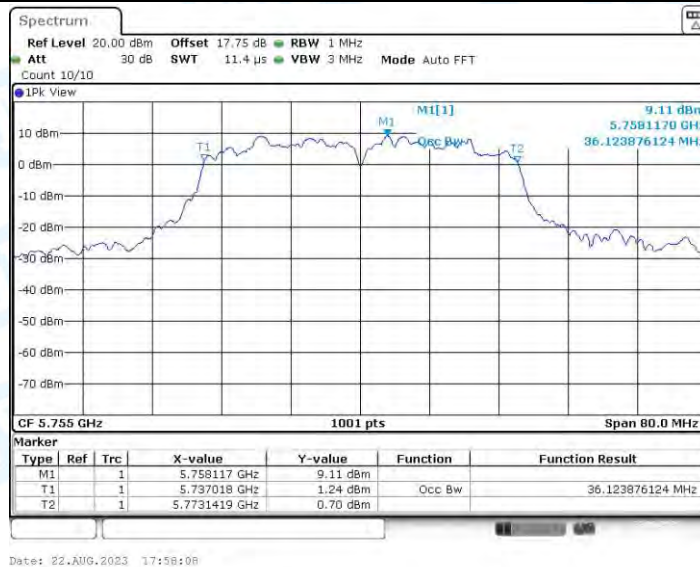
11AC40MIMO_Ant1_5230



11AC40MIMO_Ant2_5230



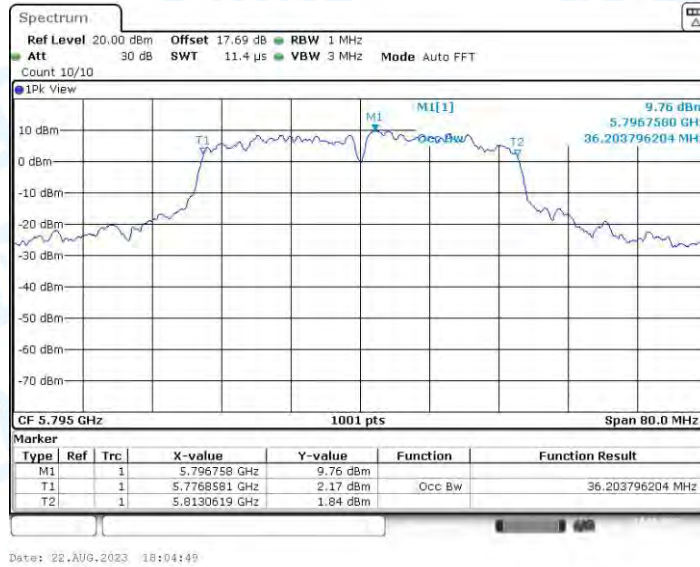
11AC40MIMO_Ant1_5755



11AC40MIMO_Ant2_5755



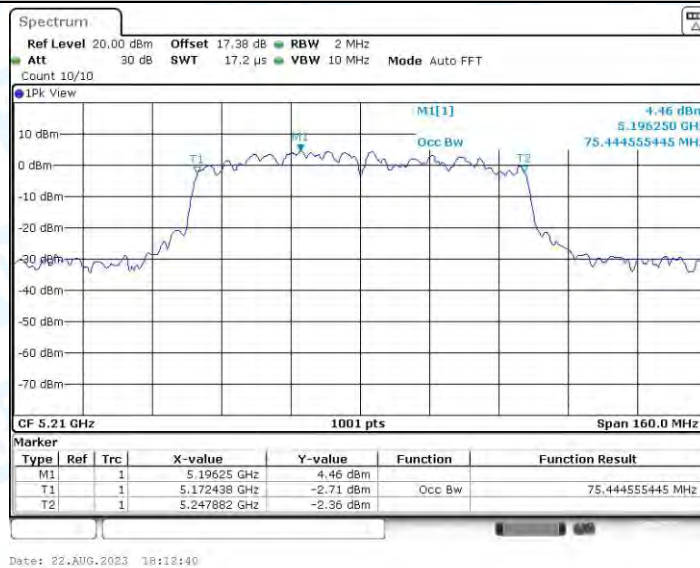
11AC40MIMO_Ant1_5795



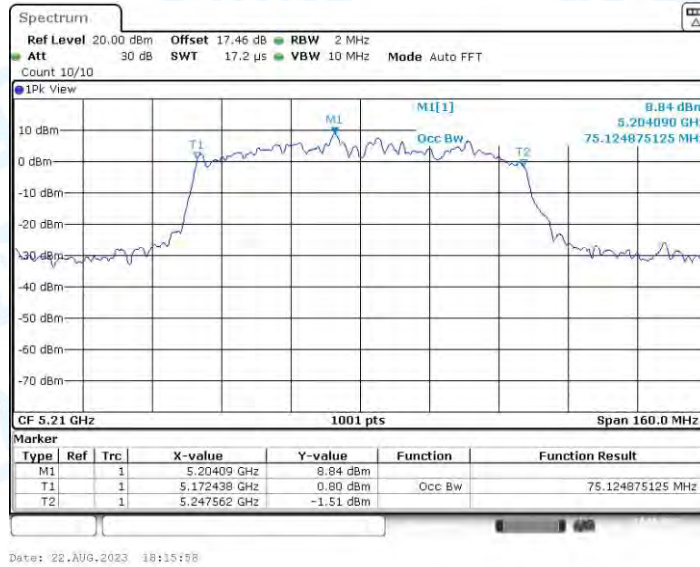
11AC40MIMO_Ant2_5795



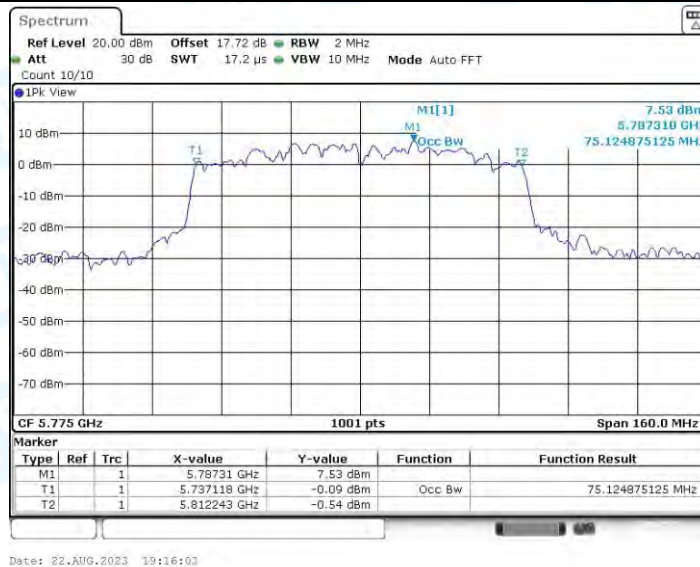
11AC80MIMO_Ant1_5210



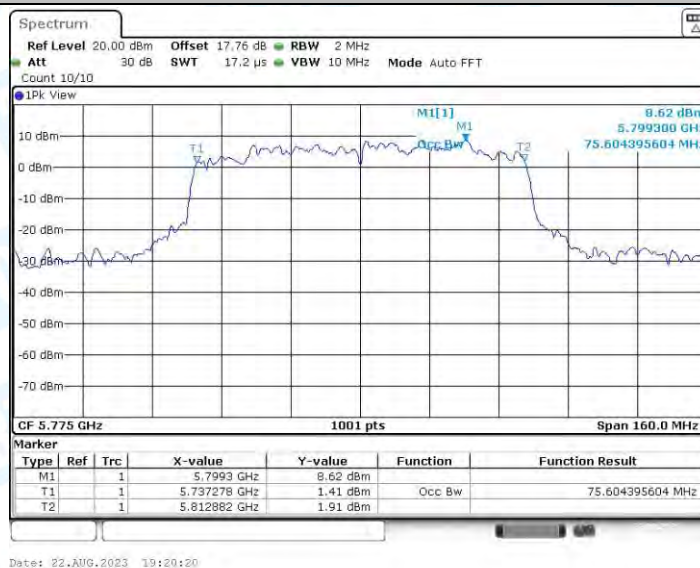
11AC80MIMO_Ant2_5210



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775



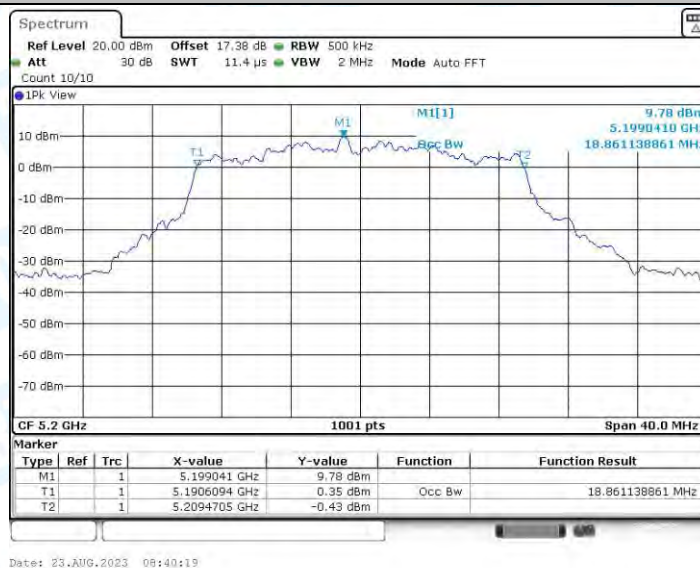
11AX20MIMO_Ant1_5180



11AX20MIMO_Ant2_5180



11AX20MIMO_Ant1_5200



11AX20MIMO_Ant2_5200



Date: 23.AUG.2023 08:42:21

11AX20MIMO_Ant1_5240



Date: 23.AUG.2023 08:45:40

11AX20MIMO_Ant2_5240

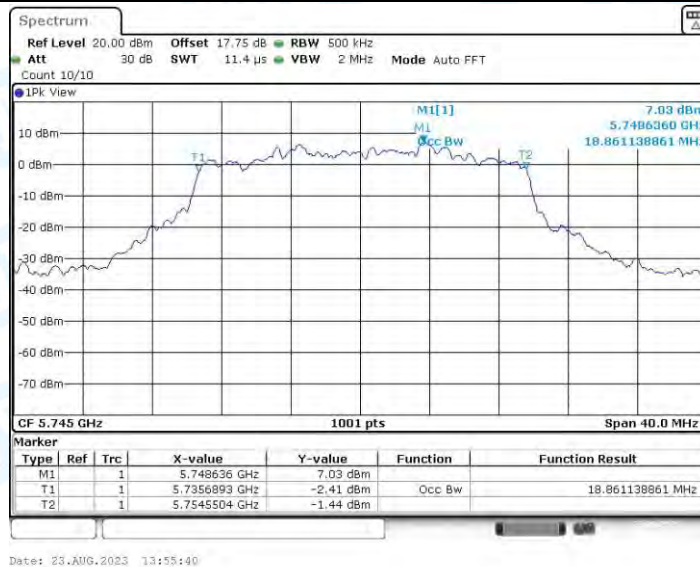


Date: 23.AUG.2023 08:48:35

11AX20MIMO_Ant1_5745



11AX20MIMO_Ant2_5745



11AX20MIMO_Ant1_5785



11AX20MIMO_Ant2_5785



Date: 23.AUG.2023 14:02:27

11AX20MIMO_Ant1_5825



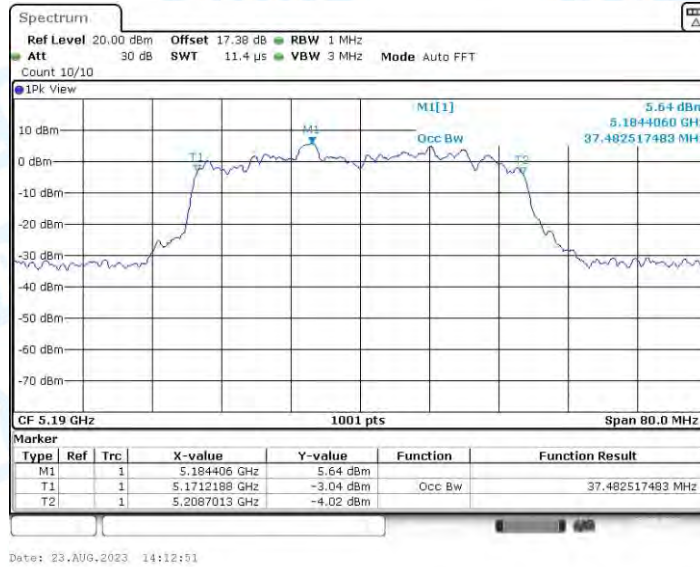
Date: 23.AUG.2023 14:04:38

11AX20MIMO_Ant2_5825

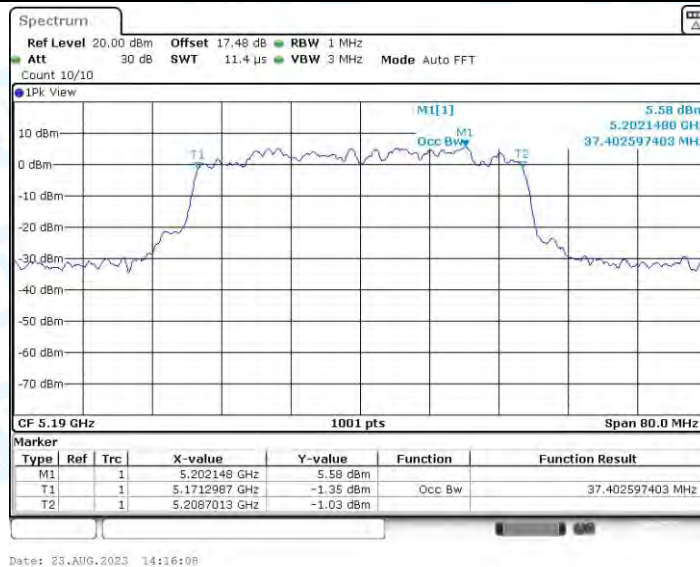


Date: 23.AUG.2023 14:09:04

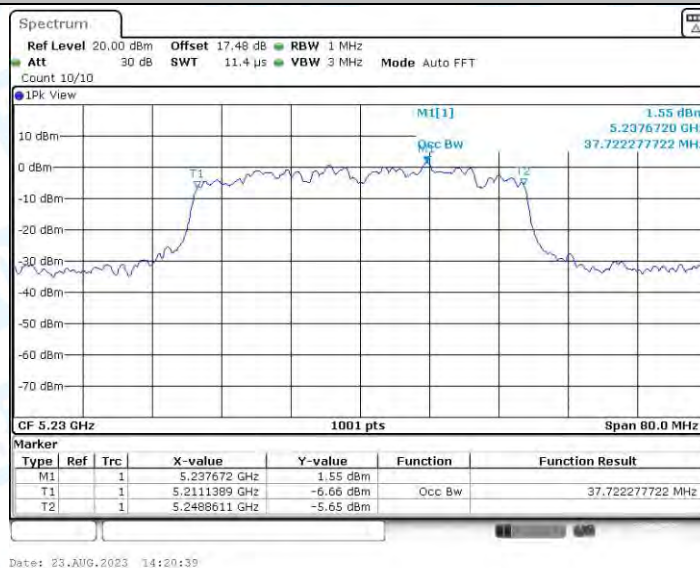
11AX40MIMO_Ant1_5190



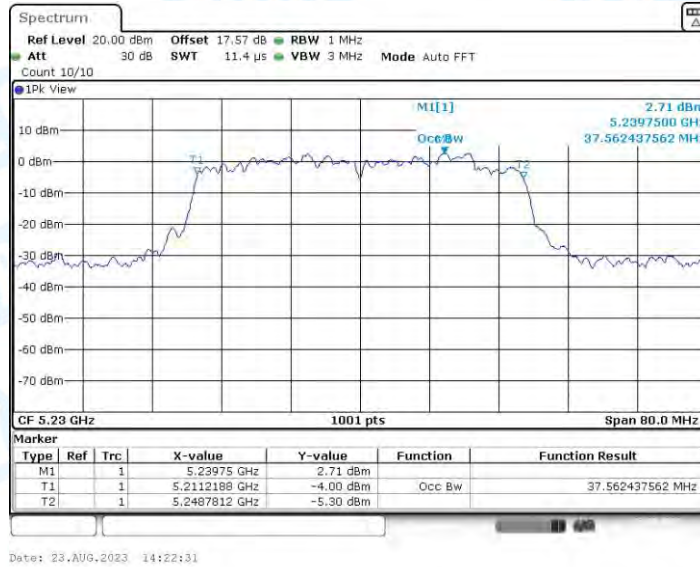
11AX40MIMO_Ant2_5190



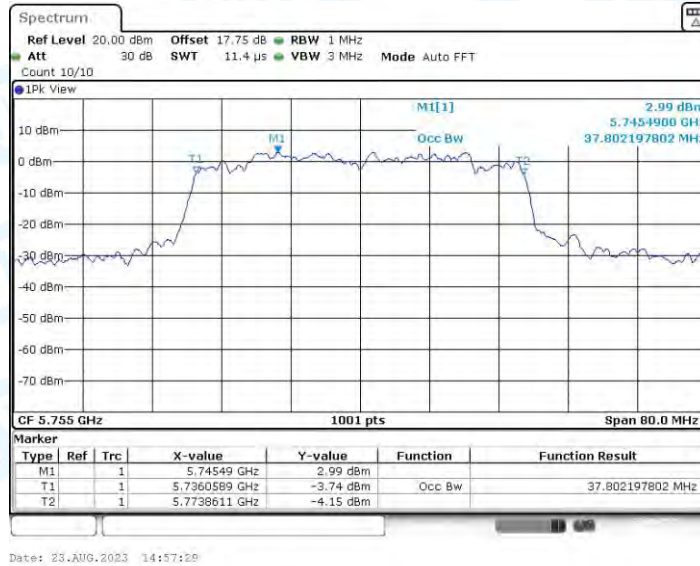
11AX40MIMO_Ant1_5230



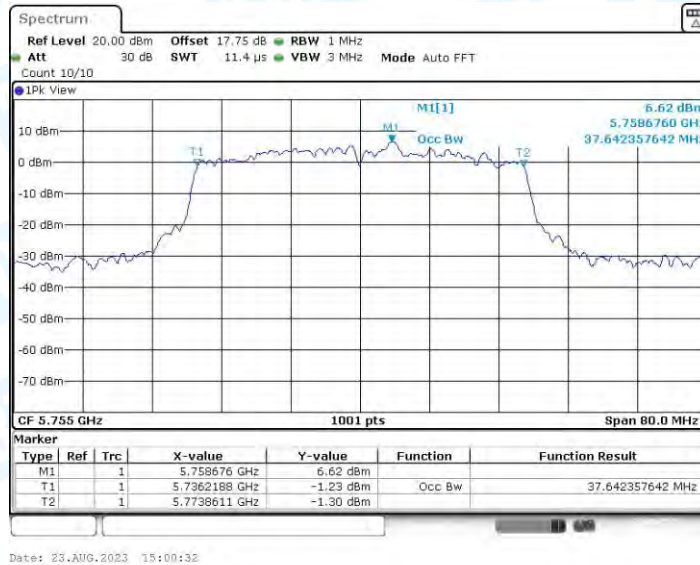
11AX40MIMO_Ant2_5230



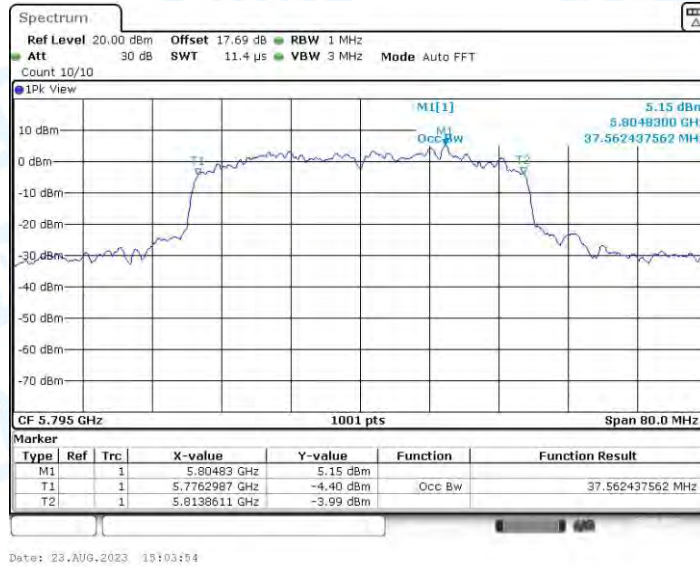
11AX40MIMO_Ant1_5755



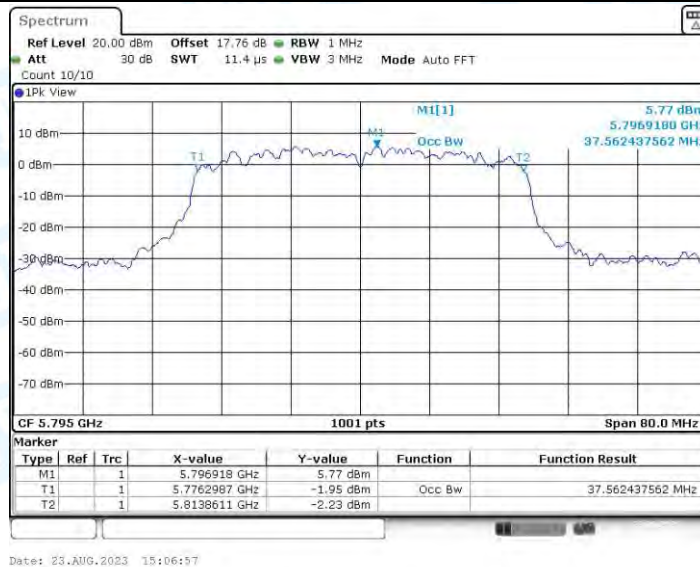
11AX40MIMO_Ant2_5755



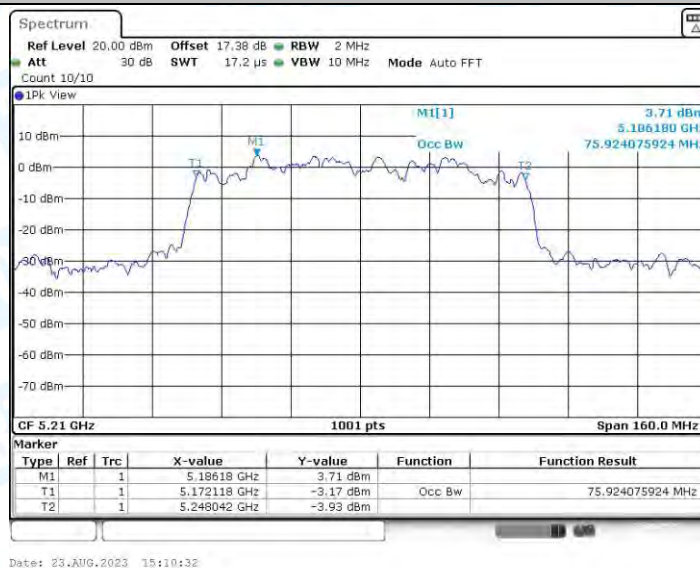
11AX40MIMO_Ant1_5795



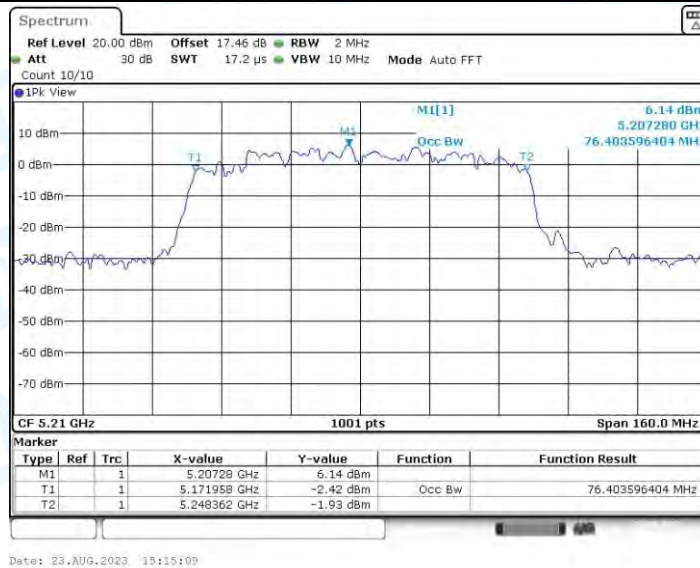
11AX40MIMO_Ant2_5795



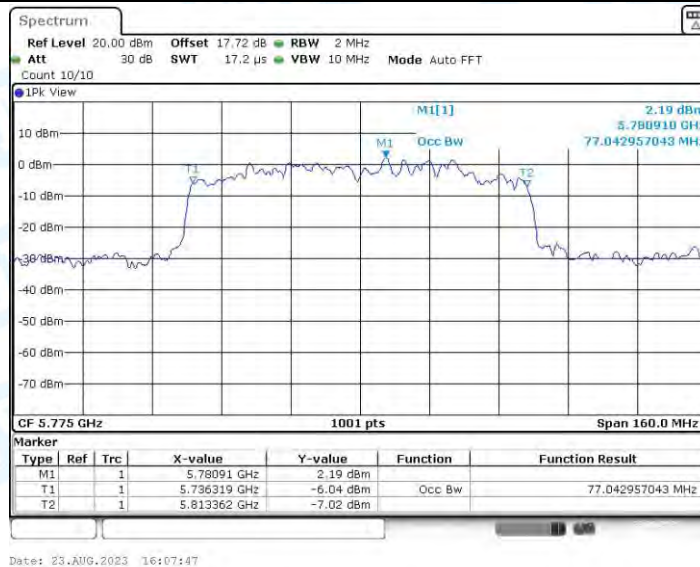
11AX80MIMO_Ant1_5210



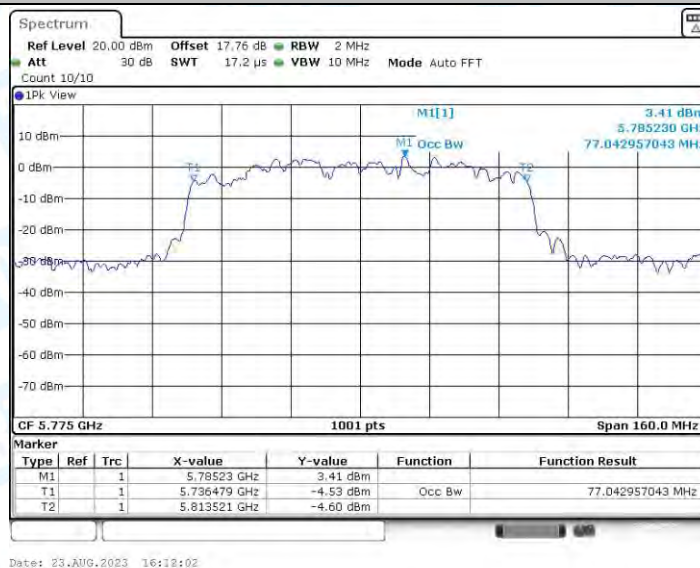
11AX80MIMO_Ant2_5210



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775



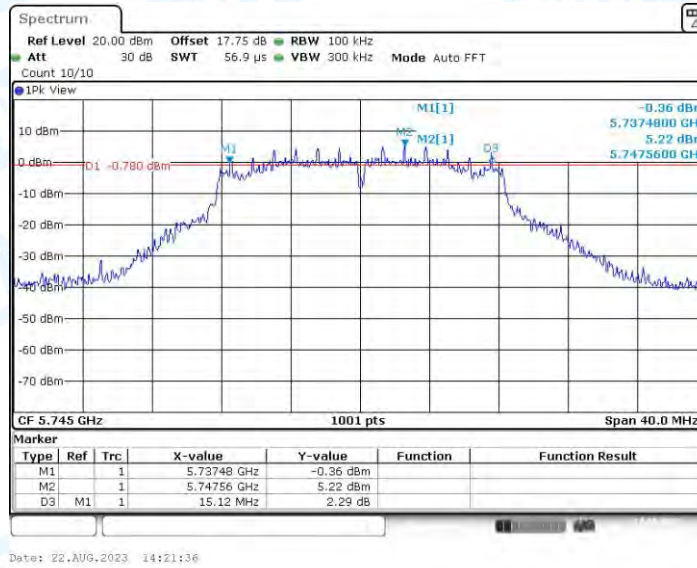
3. Min emission bandwidth

3.1. Test Result

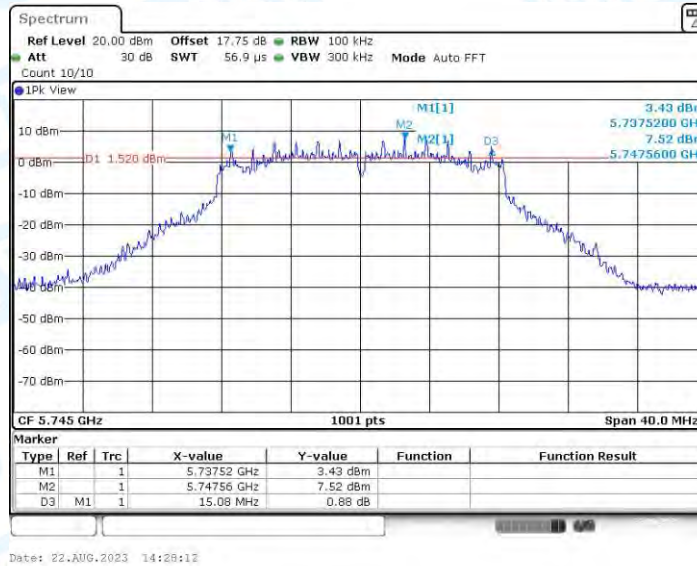
TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5745	15.12	5737.48	5752.60	0.5	PASS
	Ant2	5745	15.08	5737.52	5752.60	0.5	PASS
	Ant1	5785	15.12	5777.48	5792.60	0.5	PASS
	Ant2	5785	15.12	5777.48	5792.60	0.5	PASS
	Ant1	5825	15.12	5817.44	5832.56	0.5	PASS
	Ant2	5825	15.64	5817.28	5832.92	0.5	PASS
11N20MIMO	Ant1	5745	17.16	5736.64	5753.80	0.5	PASS
	Ant2	5745	15.08	5737.48	5752.56	0.5	PASS
	Ant1	5785	15.04	5777.56	5792.60	0.5	PASS
	Ant2	5785	15.12	5777.48	5792.60	0.5	PASS
	Ant1	5825	15.12	5817.44	5832.56	0.5	PASS
	Ant2	5825	15.12	5817.48	5832.60	0.5	PASS
11N40MIMO	Ant1	5755	33.92	5738.68	5772.60	0.5	PASS
	Ant2	5755	35.04	5737.56	5772.60	0.5	PASS
	Ant1	5795	27.92	5779.96	5807.88	0.5	PASS
	Ant2	5795	29.44	5778.76	5808.20	0.5	PASS
11AC20MIMO	Ant1	5745	15.36	5737.56	5752.92	0.5	PASS
	Ant2	5745	15.16	5737.52	5752.68	0.5	PASS
	Ant1	5785	15.48	5777.48	5792.96	0.5	PASS
	Ant2	5785	15.08	5777.56	5792.64	0.5	PASS
	Ant1	5825	15.04	5817.56	5832.60	0.5	PASS
	Ant2	5825	16.56	5817.28	5833.84	0.5	PASS
11AC40MIMO	Ant1	5755	35.12	5737.48	5772.60	0.5	PASS
	Ant2	5755	35.04	5737.56	5772.60	0.5	PASS
	Ant1	5795	33.84	5778.76	5812.60	0.5	PASS
	Ant2	5795	35.12	5777.48	5812.60	0.5	PASS
11AC80MIMO	Ant1	5775	68.96	5743.64	5812.60	0.5	PASS
	Ant2	5775	68.80	5743.80	5812.60	0.5	PASS
11AX20MIMO	Ant1	5745	15.04	5737.56	5752.60	0.5	PASS
	Ant2	5745	17.44	5736.60	5754.04	0.5	PASS
	Ant1	5785	13.88	5778.76	5792.64	0.5	PASS
	Ant2	5785	15.84	5777.60	5793.44	0.5	PASS
	Ant1	5825	16.00	5816.60	5832.60	0.5	PASS
	Ant2	5825	15.08	5817.52	5832.60	0.5	PASS
11AX40MIMO	Ant1	5755	35.12	5737.48	5772.60	0.5	PASS
	Ant2	5755	35.12	5737.48	5772.60	0.5	PASS
	Ant1	5795	35.12	5777.48	5812.60	0.5	PASS
	Ant2	5795	36.32	5777.48	5813.80	0.5	PASS
11AX80MIMO	Ant1	5775	72.64	5739.96	5812.60	0.5	PASS
	Ant2	5775	75.20	5737.40	5812.60	0.5	PASS

3.2. Test Graphs

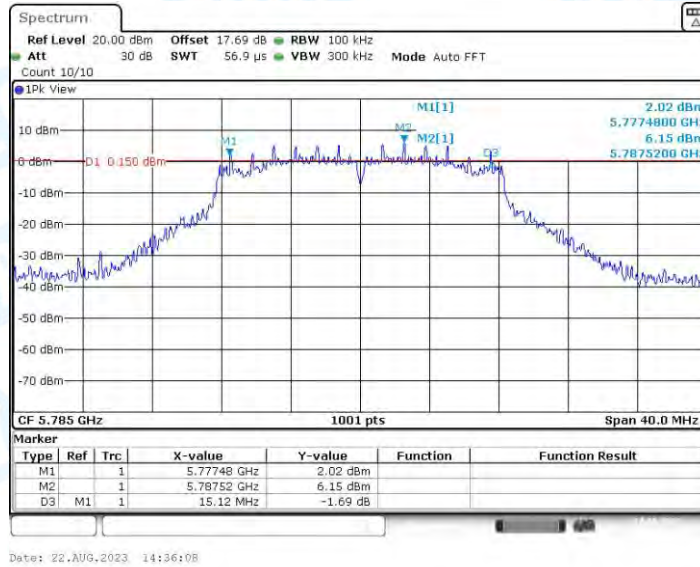
11A-CDD_Ant1_5745



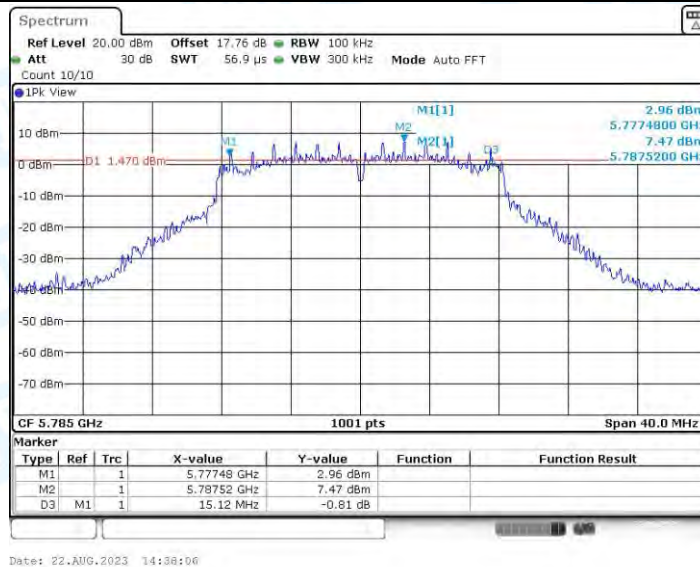
11A-CDD_Ant2_5745



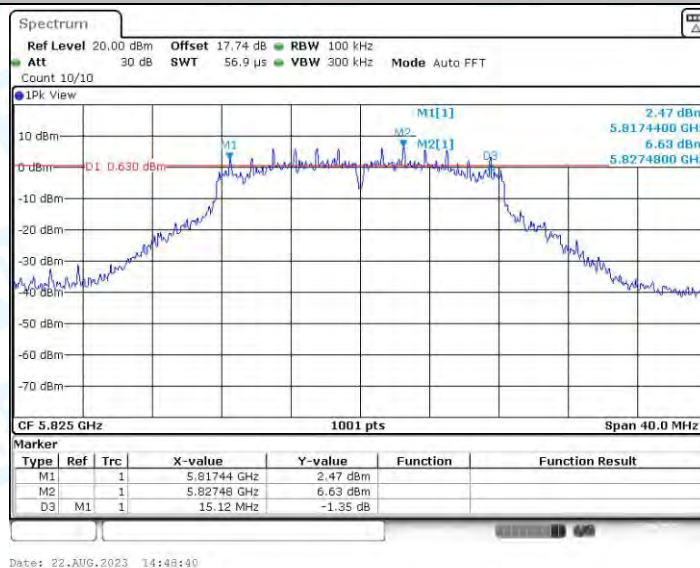
11A-CDD_Ant1_5785



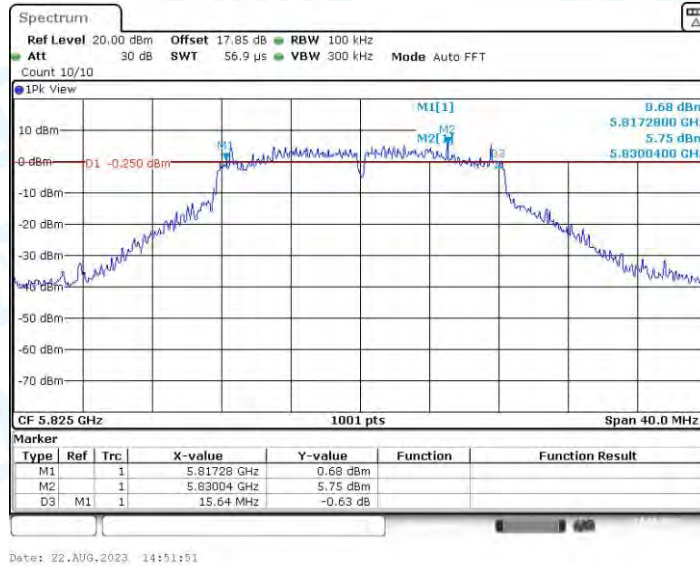
11A-CDD_Ant2_5785



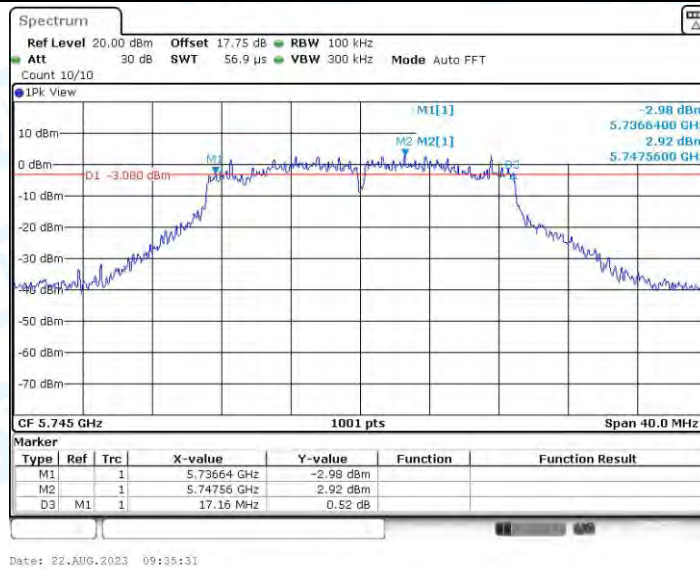
11A-CDD_Ant1_5825



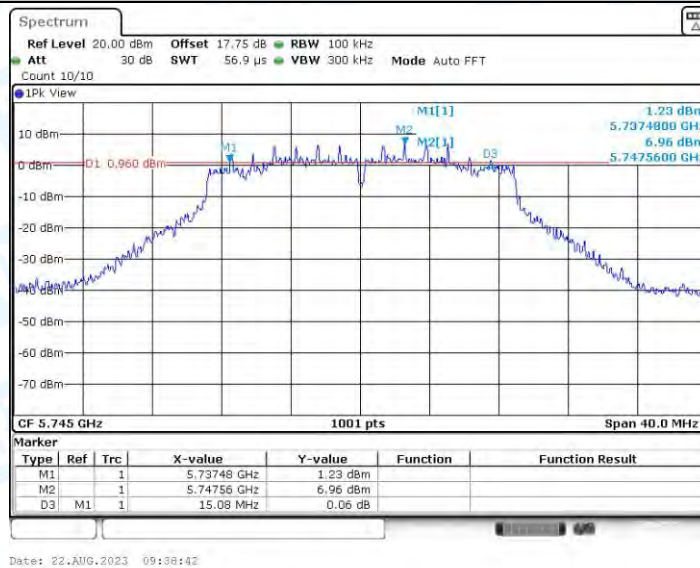
11A-CDD_Ant2_5825



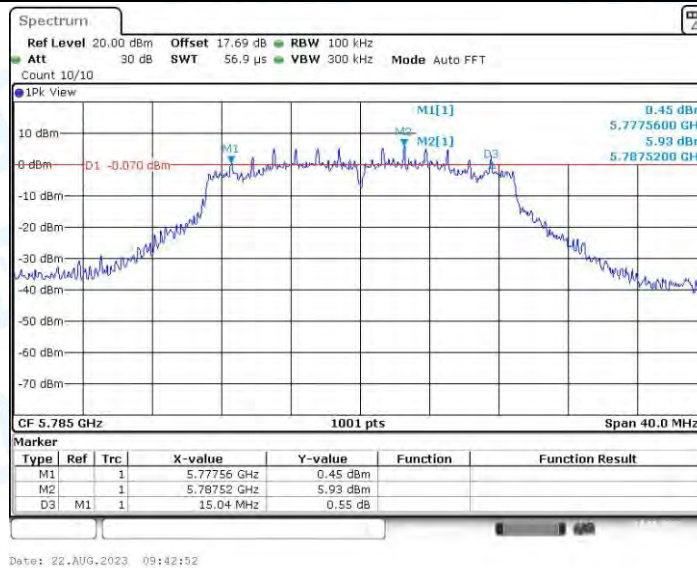
11N20MIMO_Ant1_5745



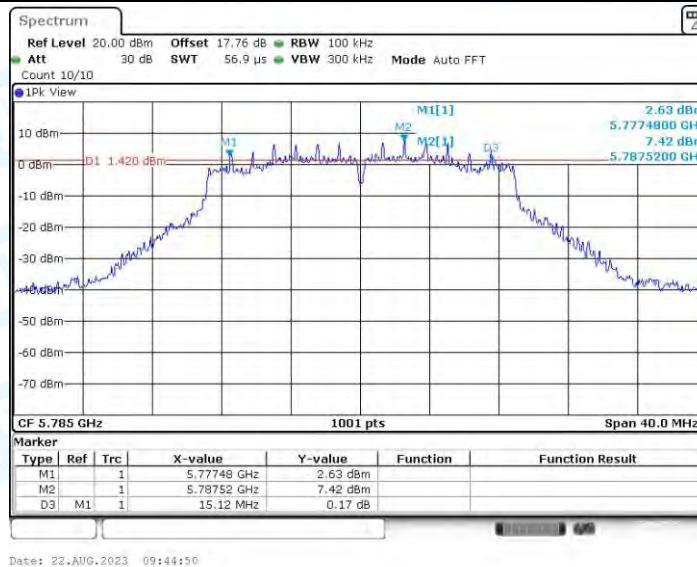
11N20MIMO_Ant2_5745



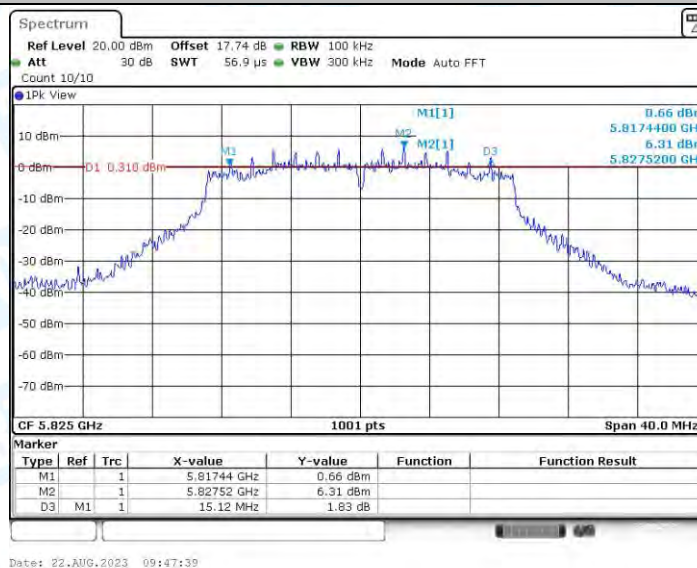
11N20MIMO_Ant1_5785



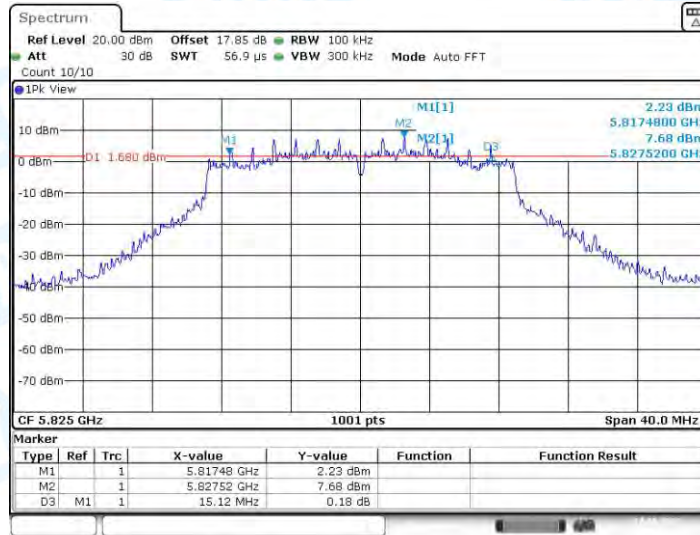
11N20MIMO_Ant2_5785



11N20MIMO_Ant1_5825

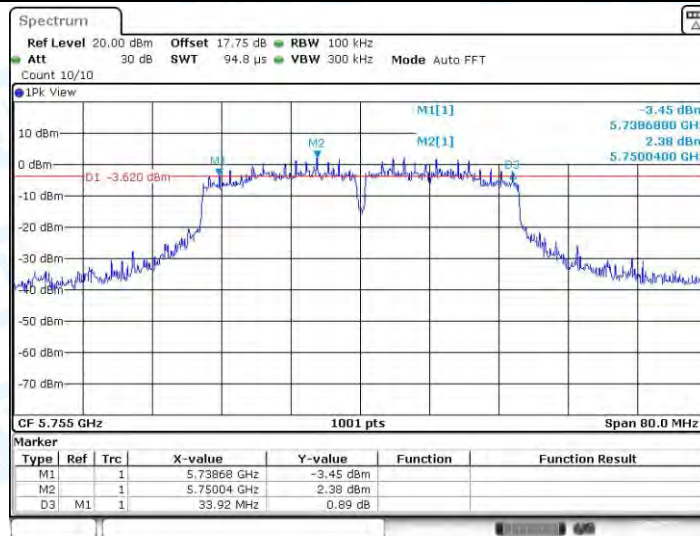


11N20MIMO_Ant2_5825



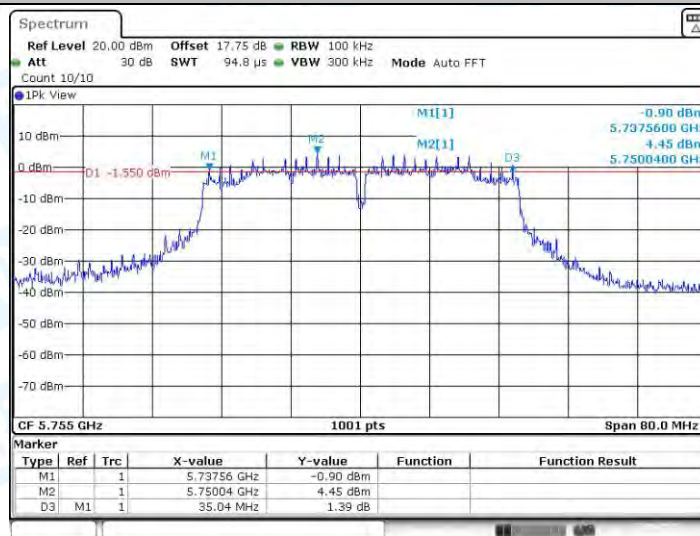
Date: 22.AUG.2023 09:52:15

11N40MIMO_Ant1_5755



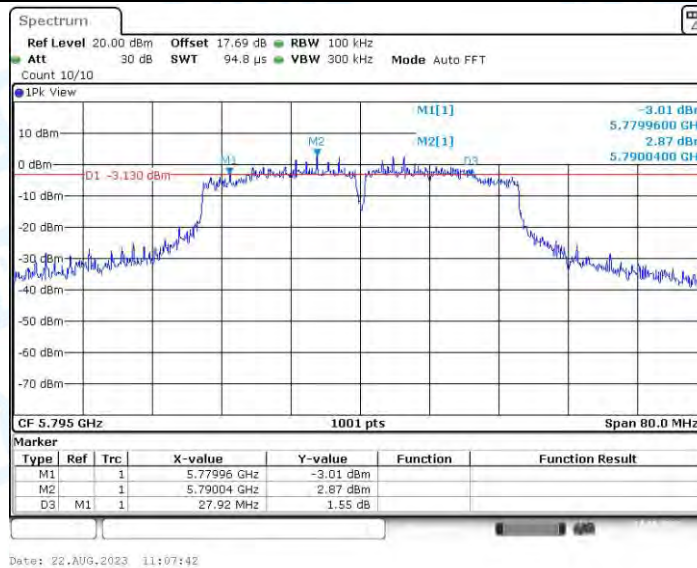
Date: 22.AUG.2023 10:59:25

11N40MIMO_Ant2_5755

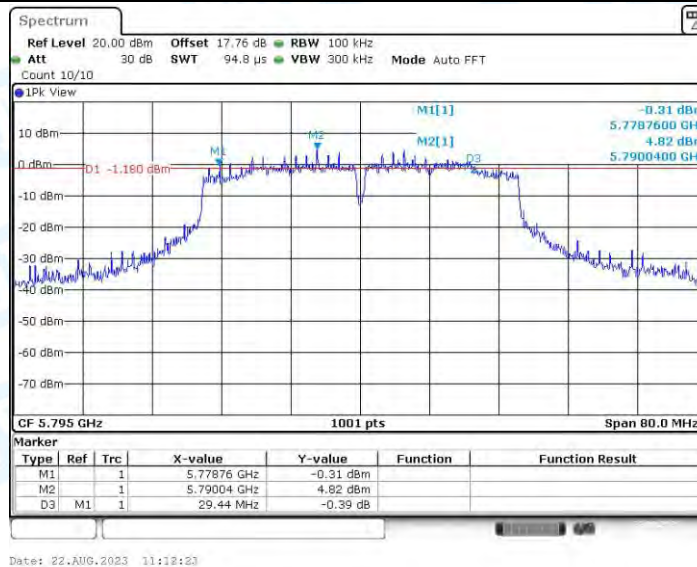


Date: 22.AUG.2023 11:03:53

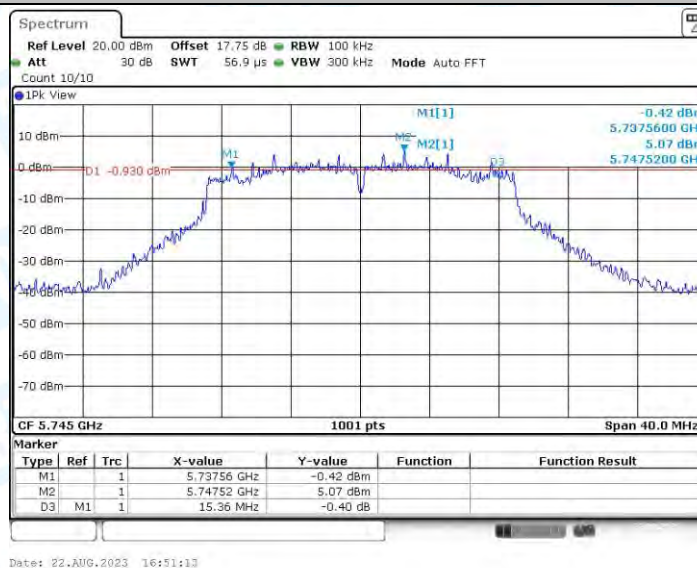
11N40MIMO_Ant1_5795



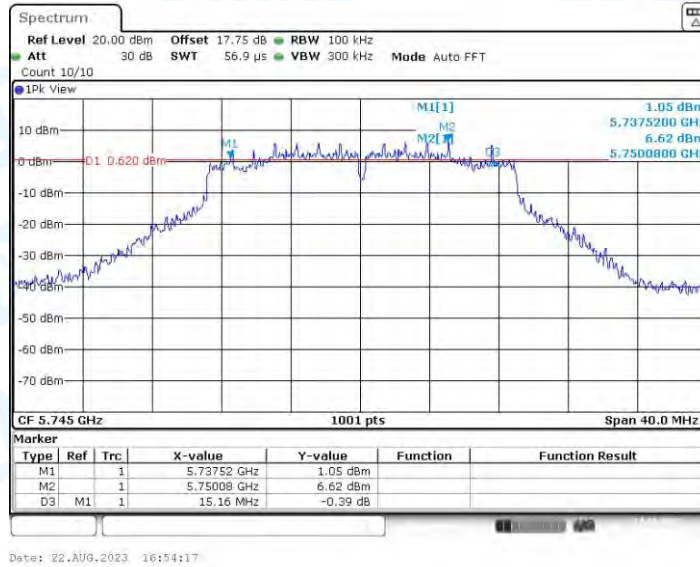
11N40MIMO_Ant2_5795



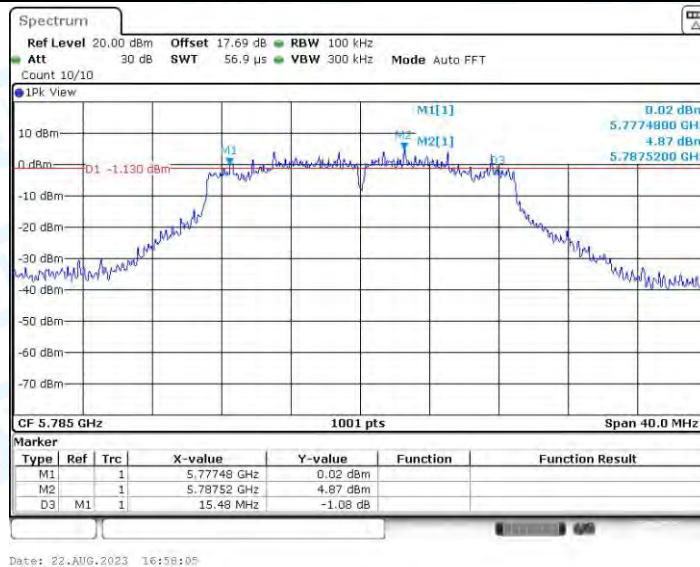
11AC20MIMO_Ant1_5745



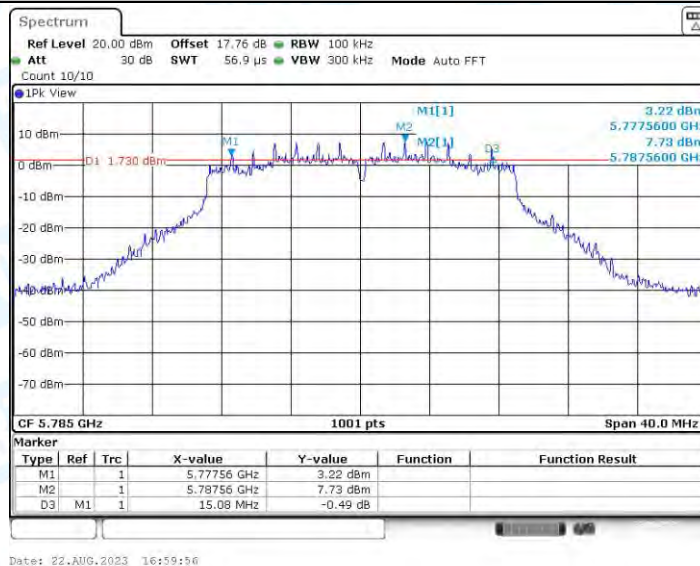
11AC20MIMO_Ant2_5745



11AC20MIMO_Ant1_5785



11AC20MIMO_Ant2_5785



11AC20MIMO_Ant1_5825