

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

General Description of EUT	
Product Name:	tablet computer
Test Model:	AYANEO 2
Sample ID:	RW-C-202211-0017-4-2#
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 11.55V
Test Engineer:	Zhou Hai Ting
Note: For a more detailed features description, please refer to the report TBR-C-202211-0017-43	

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1. Emission Bandwidth

1.1. Test Result

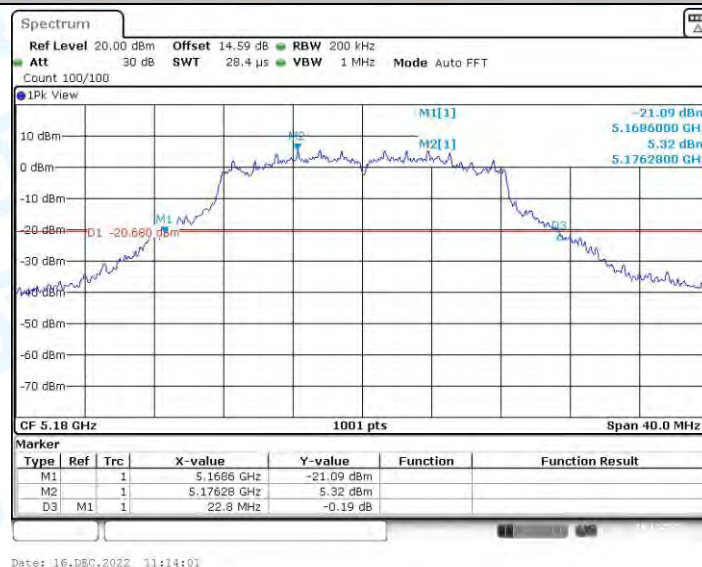
TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	22.88	5168.24	5191.12	---	---
	Ant2	5180	22.80	5168.60	5191.40	---	---
	Ant1	5200	23.28	5188.36	5211.64	---	---
	Ant2	5200	23.28	5188.72	5212.00	---	---
	Ant1	5240	23.24	5228.40	5251.64	---	---
	Ant2	5240	23.72	5228.32	5252.04	---	---
11N20MIMO	Ant1	5180	23.20	5168.48	5191.68	---	---
	Ant2	5180	23.64	5168.40	5192.04	---	---
	Ant1	5200	23.44	5188.28	5211.72	---	---
	Ant2	5200	23.64	5187.80	5211.44	---	---
	Ant1	5240	23.12	5228.60	5251.72	---	---
	Ant2	5240	23.36	5228.72	5252.08	---	---
11N40MIMO	Ant1	5190	42.96	5168.40	5211.36	---	---
	Ant2	5190	41.68	5169.84	5211.52	---	---
	Ant1	5230	43.84	5208.32	5252.16	---	---
	Ant2	5230	44.40	5207.92	5252.32	---	---
11AC20MIMO	Ant1	5180	23.72	5168.04	5191.76	---	---
	Ant2	5180	23.92	5167.48	5191.40	---	---
	Ant1	5200	23.16	5188.32	5211.48	---	---
	Ant2	5200	23.68	5187.80	5211.48	---	---
	Ant1	5240	23.56	5228.40	5251.96	---	---
	Ant2	5240	24.64	5227.92	5252.56	---	---
11AC40MIMO	Ant1	5190	42.96	5168.56	5211.52	---	---
	Ant2	5190	42.72	5169.28	5212.00	---	---
	Ant1	5230	43.44	5208.56	5252.00	---	---
	Ant2	5230	42.96	5208.64	5251.60	---	---
11AC80MIMO	Ant1	5210	82.08	5169.04	5251.12	---	---
	Ant2	5210	84.32	5169.36	5253.68	---	---
11AX20MIMO	Ant1	5180	23.64	5168.52	5192.16	---	---
	Ant2	5180	23.00	5168.40	5191.40	---	---
	Ant1	5200	23.72	5188.12	5211.84	---	---
	Ant2	5200	23.04	5188.64	5211.68	---	---
	Ant1	5240	23.44	5228.04	5251.48	---	---
	Ant2	5240	24.92	5227.92	5252.84	---	---
11AX40MIMO	Ant1	5190	42.24	5168.00	5210.24	---	---
	Ant2	5190	42.96	5168.40	5211.36	---	---
	Ant1	5230	42.80	5208.40	5251.20	---	---
	Ant2	5230	41.84	5208.96	5250.80	---	---
11AX80MIMO	Ant1	5210	84.16	5167.92	5252.08	---	---
	Ant2	5210	81.60	5170.00	5251.60	---	---

2.1. Test Graphs

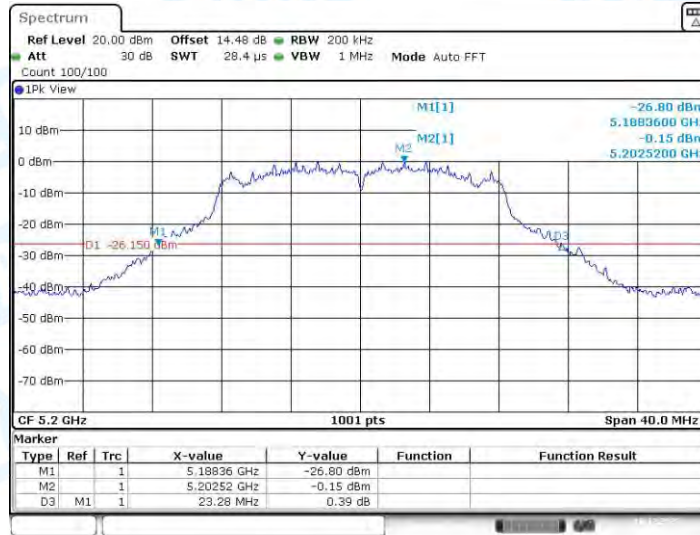
11A-CDD_Ant1_5180



11A-CDD_Ant2_5180

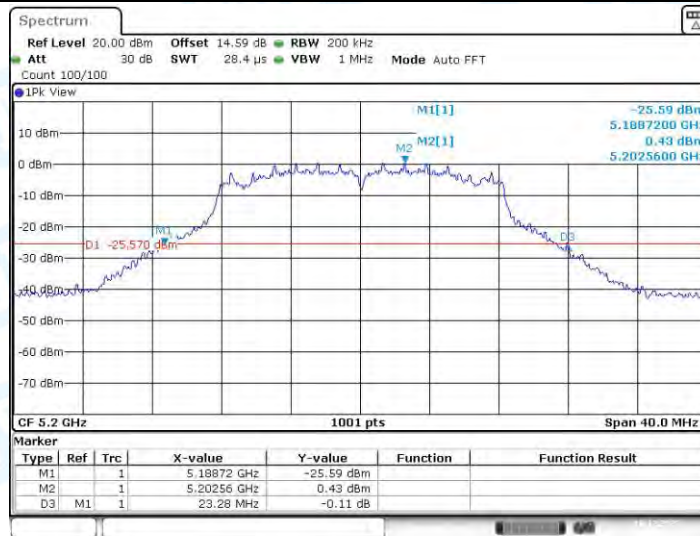


11A-CDD_Ant1_5200



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11A-CDD_Ant2_5200



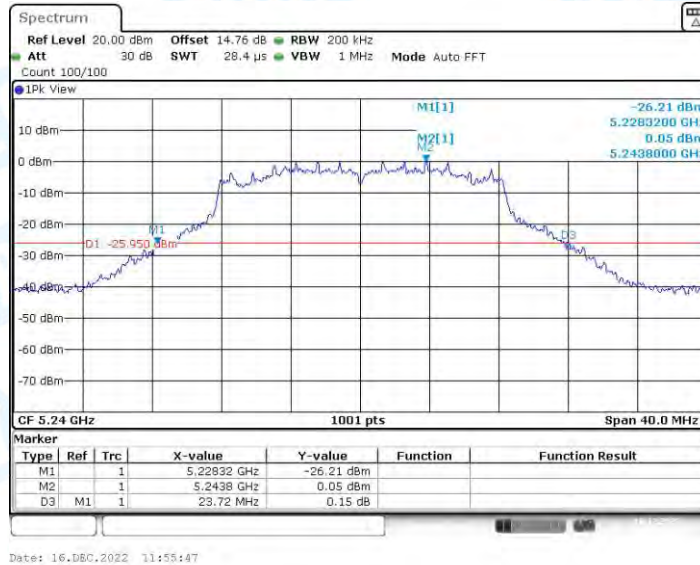
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11A-CDD_Ant1_5240



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11A-CDD_Ant2_5240



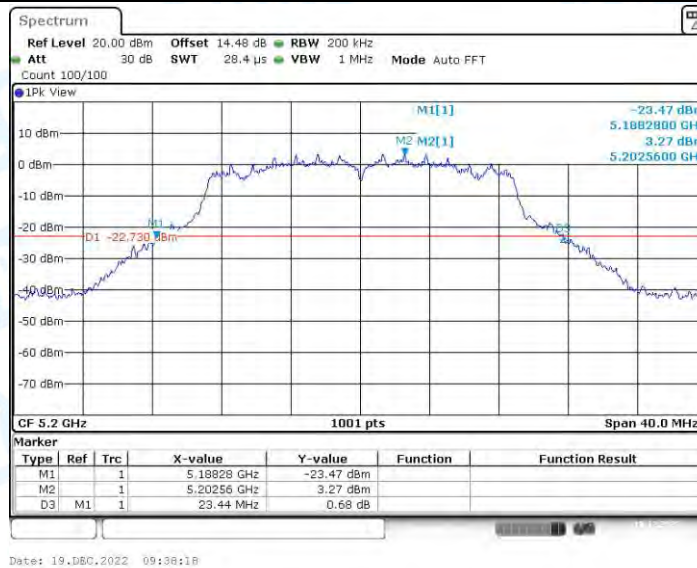
11N20MIMO_Ant1_5180



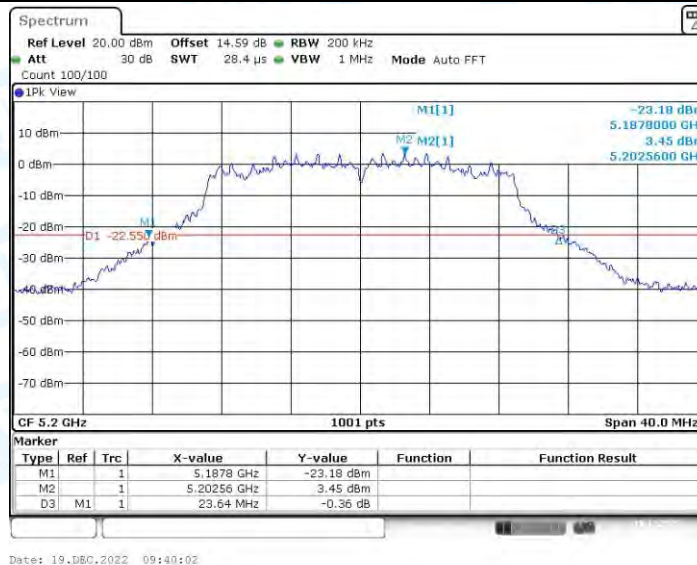
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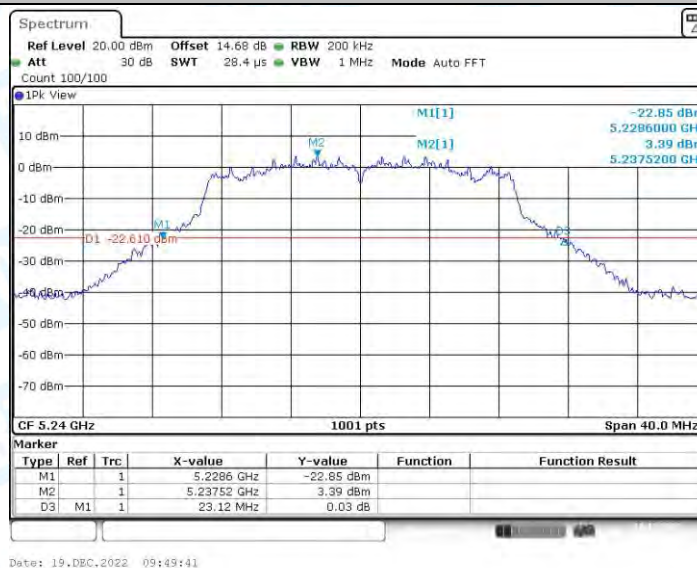
11N20MIMO_Ant1_5200



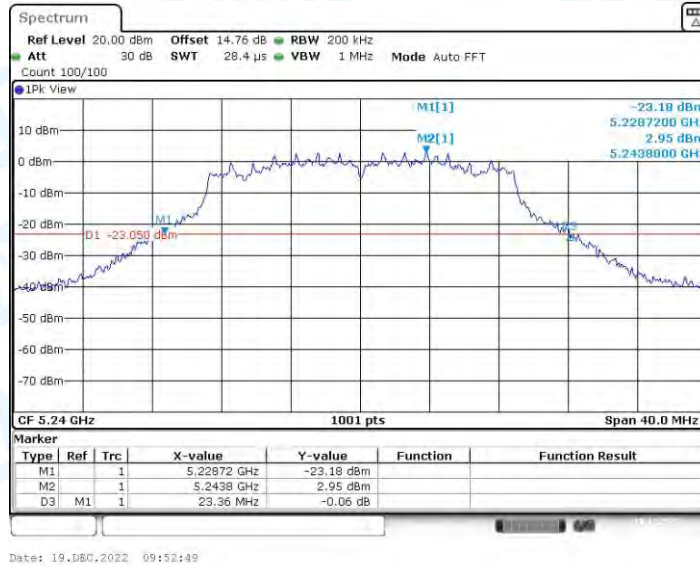
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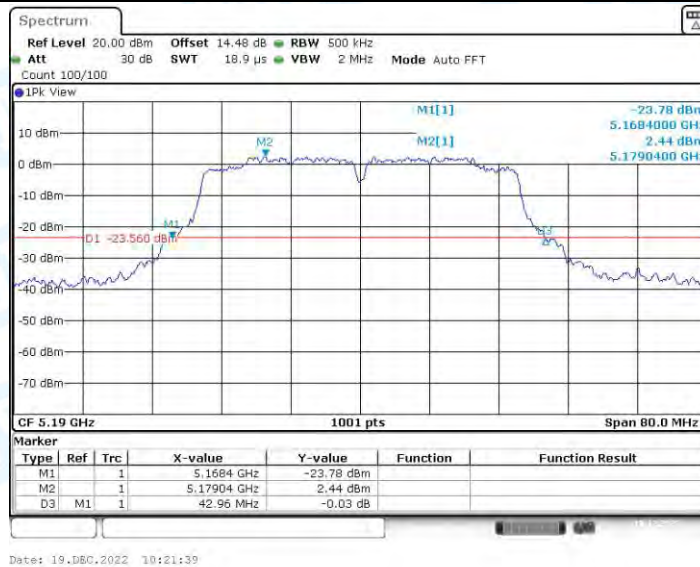
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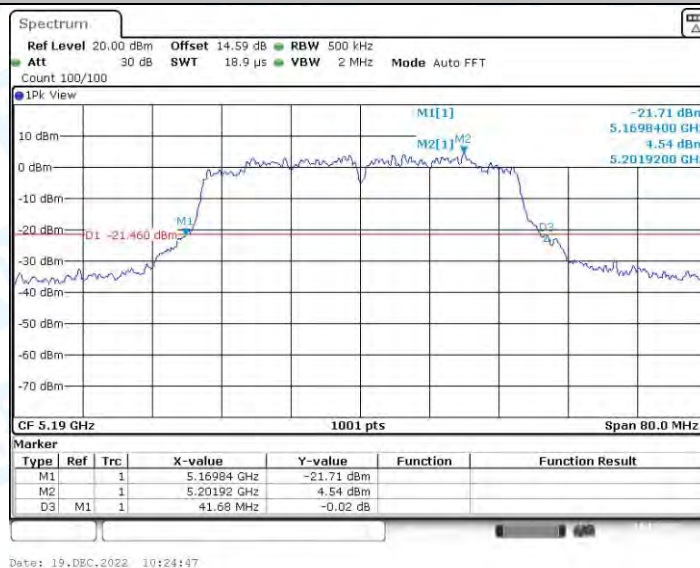
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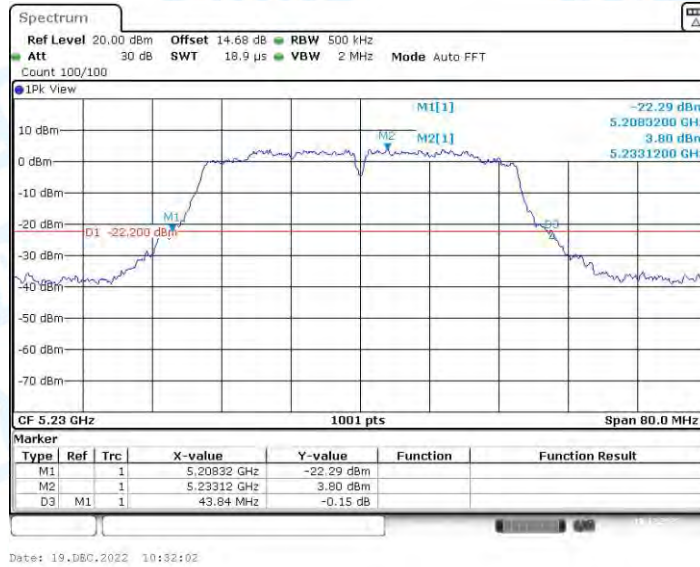
11N40MIMO_Ant1_5190



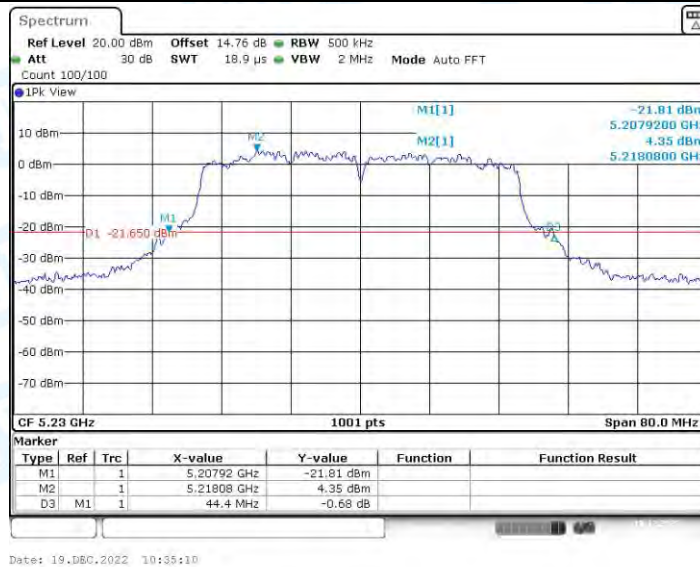
11N40MIMO_Ant2_5190



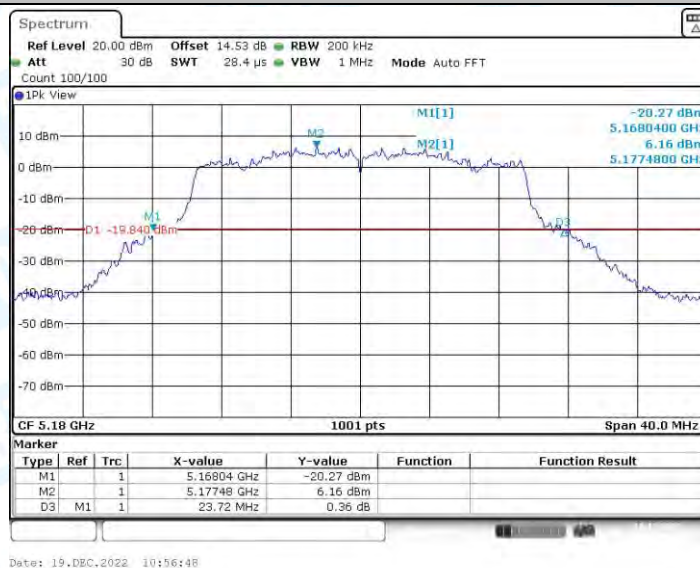
11N40MIMO_Ant1_5230



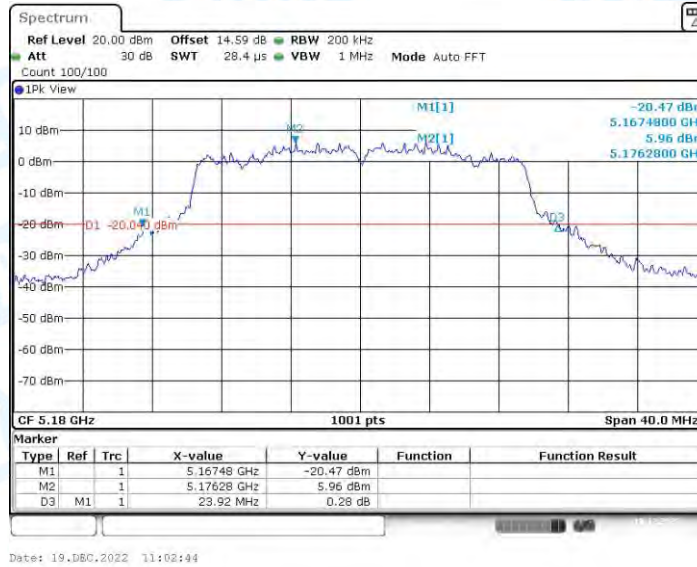
11N40MIMO_Ant2_5230



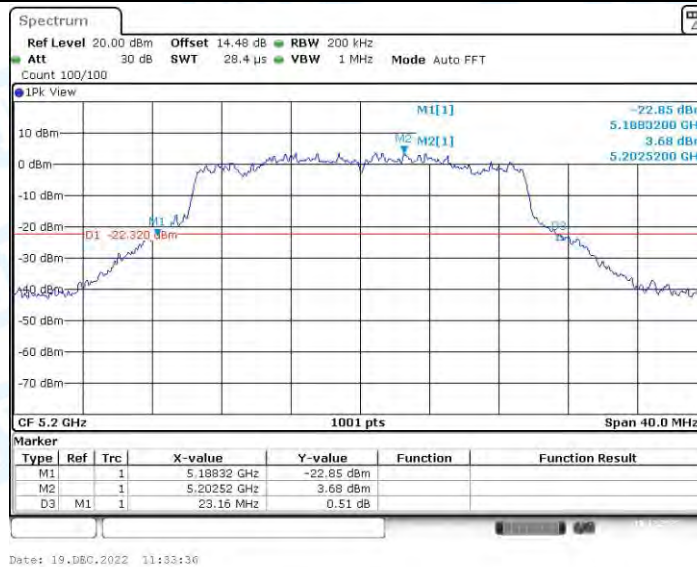
11AC20MIMO_Ant1_5180



11AC20MIMO_Ant2_5180



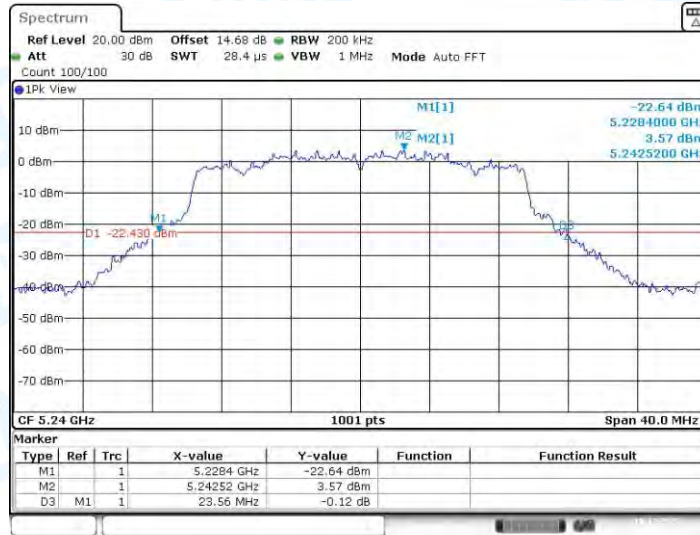
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11AC20MIMO_Ant2_5200

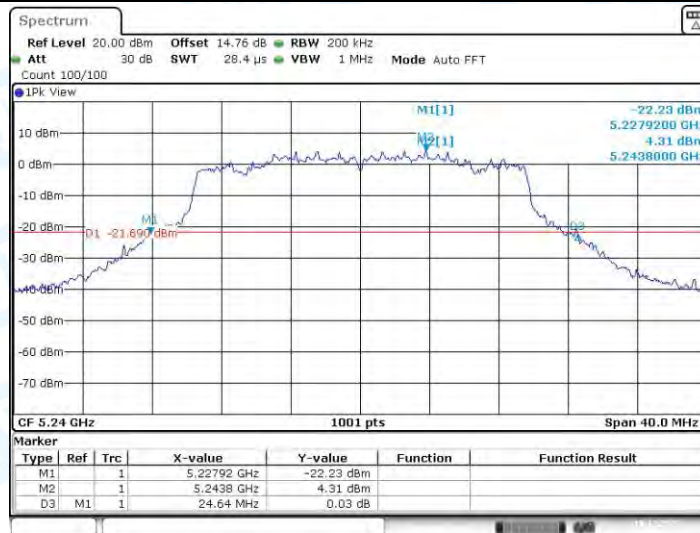


11AC20MIMO_Ant1_5240



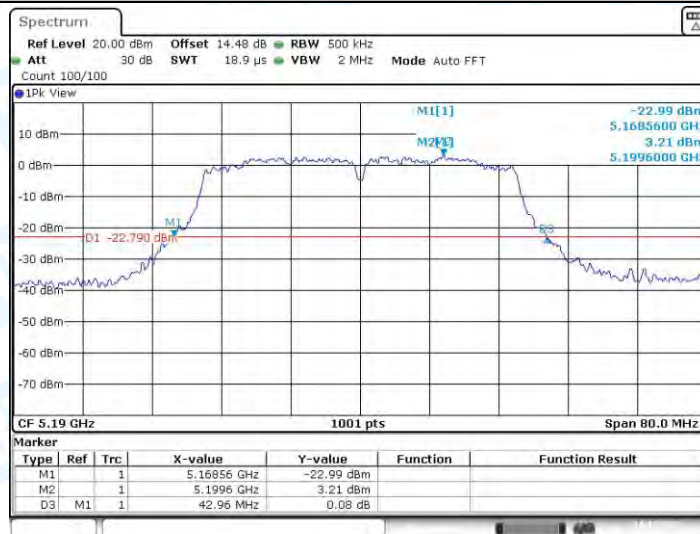
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11AC20MIMO_Ant2_5240



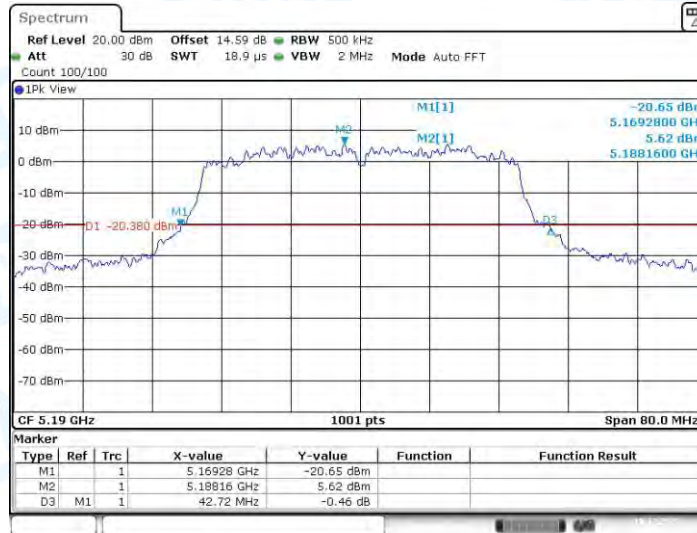
Date: 19.DEC.2022 11:51:02

11AC40MIMO_Ant1_5190



Date: 19.DEC.2022 13:59:35

11AC40MIMO_Ant2_5190



Date: 19.DEC.2022 14:06:09

11AC40MIMO_Ant1_5230



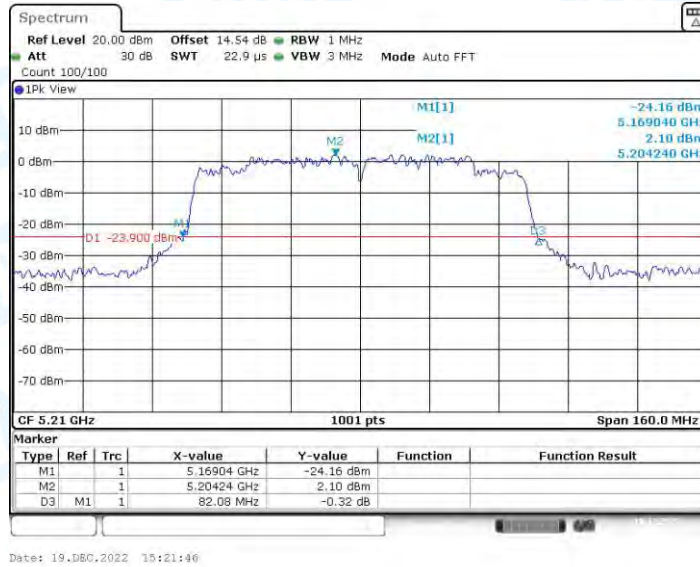
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11AC40MIMO_Ant2_5230



Date: 19.DEC.2022 14:19:39

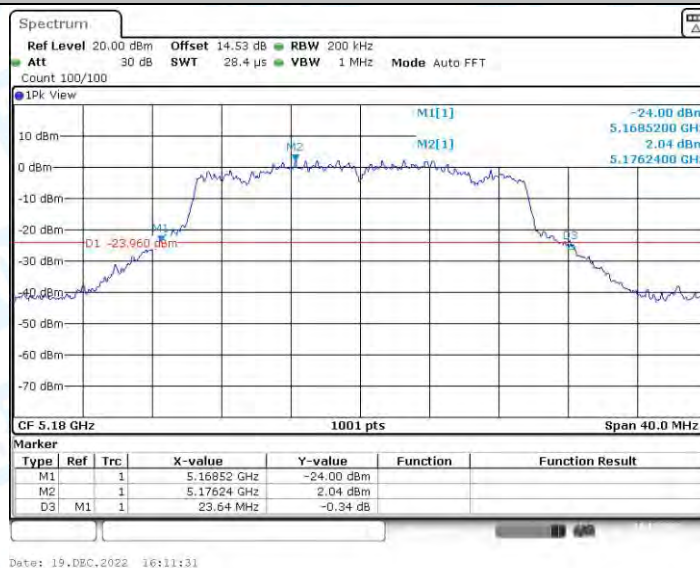
11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210



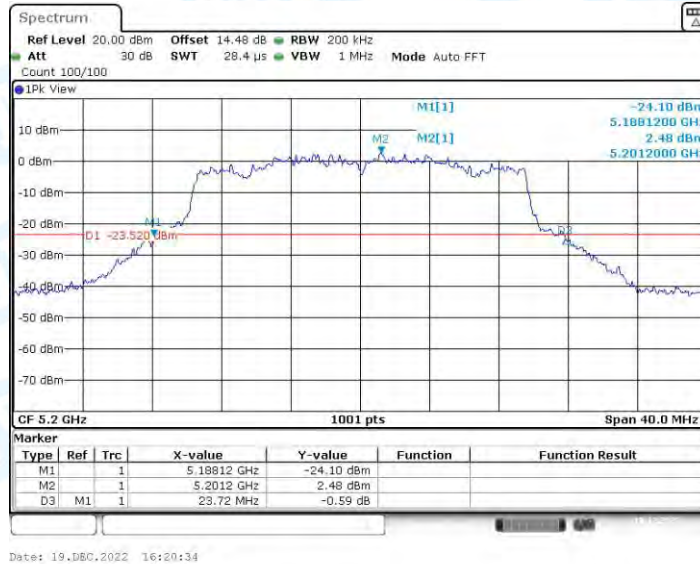
11AX20MIMO_Ant1_5180



11AX20MIMO_Ant2_5180



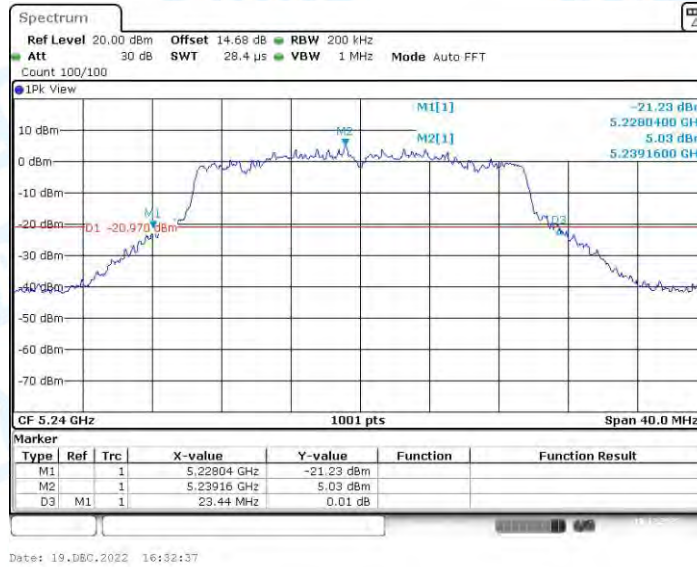
11AX20MIMO_Ant1_5200



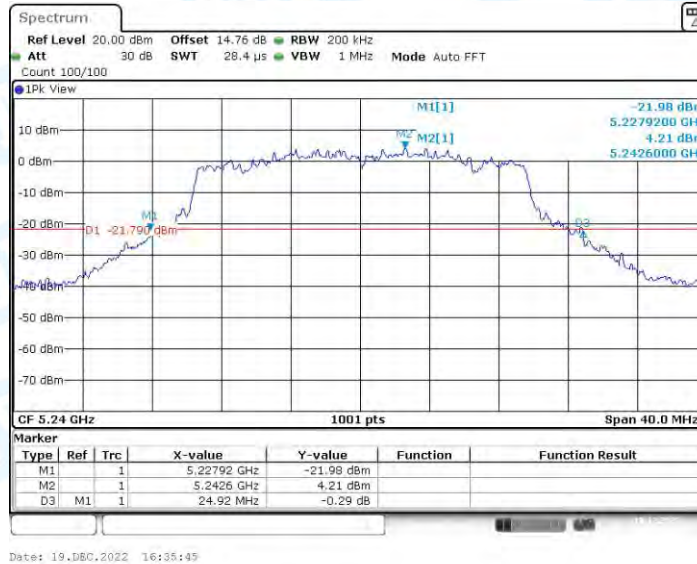
11AX20MIMO_Ant2_5200



11AX20MIMO_Ant1_5240



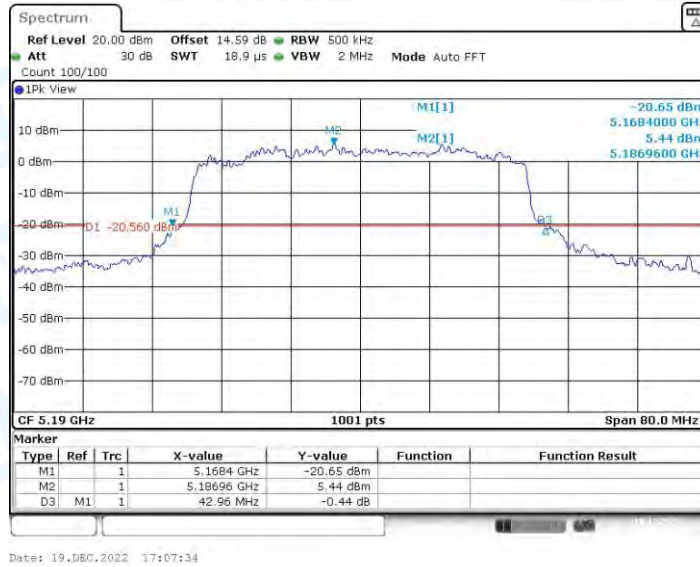
11AX20MIMO_Ant2_5240



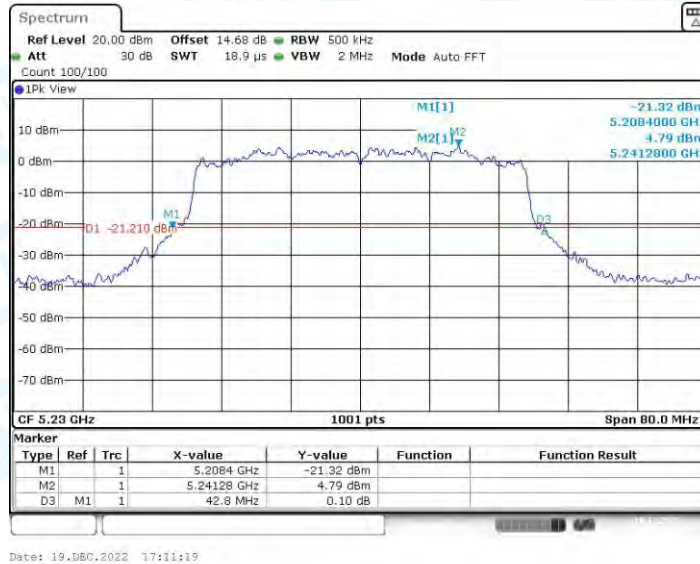
11AX40MIMO_Ant1_5190



11AX40MIMO_Ant2_5190



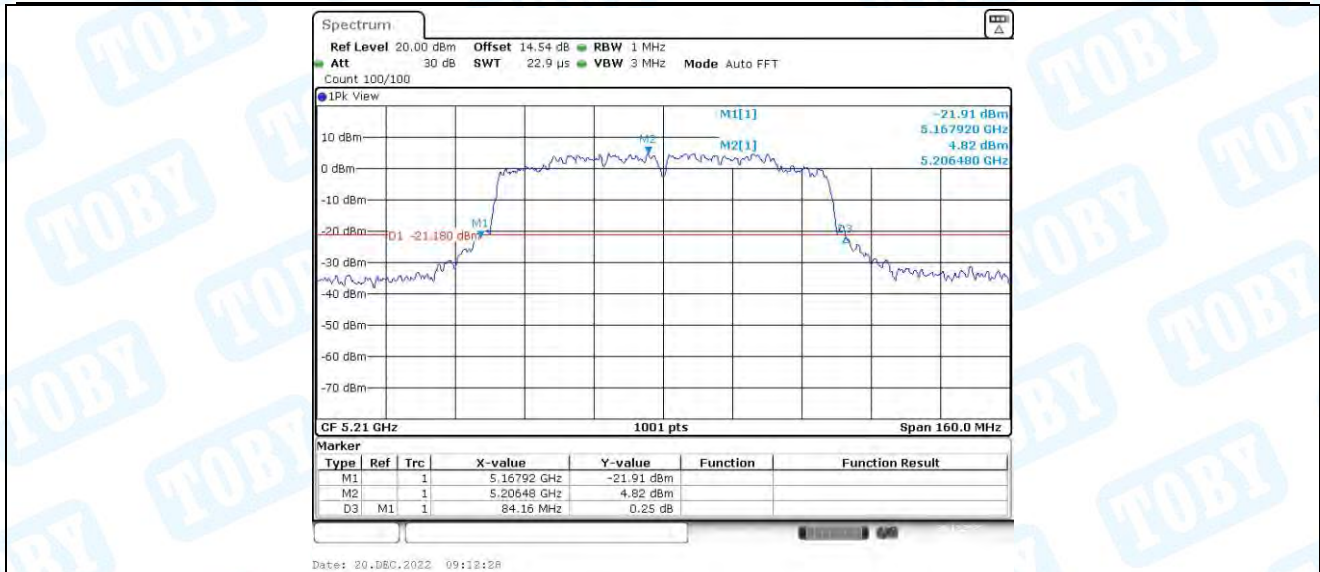
11AX40MIMO_Ant1_5230



11AX40MIMO_Ant2_5230



11AX80MIMO_Ant1_5210



11AX80MIMO_Ant2_5210



2. Occupied channel bandwidth

2.1. Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	17.223	5171.6084	5188.8312	---	---
	Ant2	5180	16.863	5171.6883	5188.5514	---	---
	Ant1	5200	17.143	5191.4086	5208.5514	---	---
	Ant2	5200	16.623	5191.6883	5208.3117	---	---
	Ant1	5240	17.183	5231.4086	5248.5914	---	---
	Ant2	5240	17.063	5231.6084	5248.6713	---	---
	Ant1	5745	17.223	5736.2887	5753.5115	---	---
	Ant2	5745	17.143	5736.5684	5753.7113	---	---
	Ant1	5785	17.023	5776.4885	5793.5115	---	---
	Ant2	5785	16.743	5776.7283	5793.4715	---	---
	Ant1	5825	16.783	5816.6883	5833.4715	---	---
	Ant2	5825	16.863	5816.6484	5833.5115	---	---
11N20MIMO	Ant1	5180	17.742	5171.1289	5188.8711	---	---
	Ant2	5180	17.902	5171.2088	5189.1109	---	---
	Ant1	5200	18.022	5191.0490	5209.0709	---	---
	Ant2	5200	17.822	5191.0889	5208.9111	---	---
	Ant1	5240	18.022	5231.1688	5249.1908	---	---
	Ant2	5240	17.942	5231.1688	5249.1109	---	---
	Ant1	5745	18.022	5735.9291	5753.9510	---	---
	Ant2	5745	18.102	5736.0090	5754.1109	---	---
	Ant1	5785	18.022	5776.0090	5794.0310	---	---
	Ant2	5785	17.982	5776.0889	5794.0709	---	---
	Ant1	5825	17.982	5816.0490	5834.0310	---	---
	Ant2	5825	18.182	5816.1289	5834.3107	---	---
11N40MIMO	Ant1	5190	36.044	5172.0180	5208.0619	---	---
	Ant2	5190	36.124	5172.0979	5208.2218	---	---
	Ant1	5230	36.284	5211.6983	5247.9820	---	---
	Ant2	5230	36.284	5211.6983	5247.9820	---	---
	Ant1	5755	36.364	5736.8581	5773.2218	---	---
	Ant2	5755	36.523	5736.6184	5773.1419	---	---
	Ant1	5795	36.204	5776.8581	5813.0619	---	---
	Ant2	5795	36.364	5777.2577	5813.6214	---	---
11AC20MIMO	Ant1	5180	18.861	5170.5694	5189.4306	---	---
	Ant2	5180	18.821	5170.6494	5189.4705	---	---
	Ant1	5200	18.901	5190.5694	5209.4705	---	---
	Ant2	5200	18.941	5190.6094	5209.5504	---	---
	Ant1	5240	18.901	5230.6094	5249.5105	---	---
	Ant2	5240	18.861	5230.6893	5249.5504	---	---
	Ant1	5745	18.062	5736.0090	5754.0709	---	---
	Ant2	5745	18.062	5735.9690	5754.0310	---	---

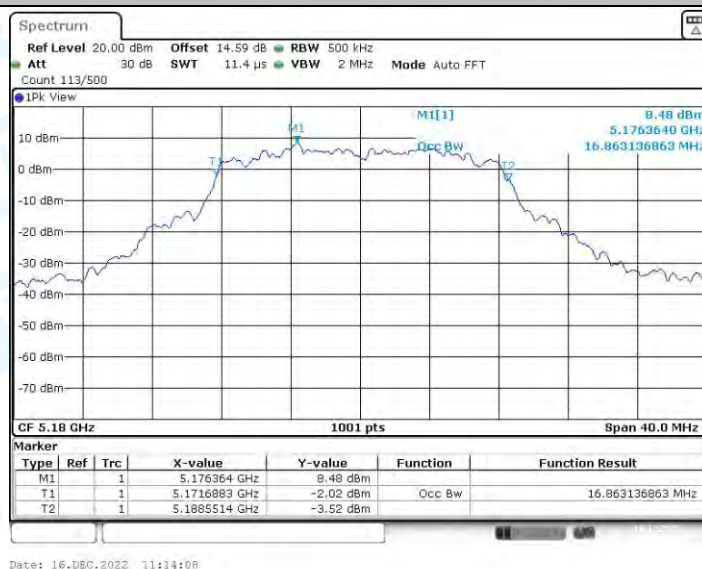
	Ant1	5785	18.302	5775.8492	5794.1508	---	---
	Ant2	5785	17.902	5776.1289	5794.0310	---	---
	Ant1	5825	17.982	5816.0090	5833.9910	---	---
	Ant2	5825	17.982	5816.0490	5834.0310	---	---
11AC40MIMO	Ant1	5190	36.364	5171.8581	5208.2218	---	---
	Ant2	5190	36.044	5172.0979	5208.1419	---	---
	Ant1	5230	36.444	5211.6983	5248.1419	---	---
	Ant2	5230	36.204	5211.8581	5248.0619	---	---
	Ant1	5755	36.284	5737.0180	5773.3017	---	---
	Ant2	5755	36.523	5736.5385	5773.0619	---	---
	Ant1	5795	36.044	5777.0180	5813.0619	---	---
	Ant2	5795	36.204	5777.0979	5813.3017	---	---
11AC80MIMO	Ant1	5210	75.285	5172.2777	5247.5624	---	---
	Ant2	5210	75.125	5172.4376	5247.5624	---	---
	Ant1	5775	75.445	5737.5974	5813.0420	---	---
	Ant2	5775	79.121	5734.8801	5814.0010	---	---
11AX20MIMO	Ant1	5180	19.021	5170.6094	5189.6304	---	---
	Ant2	5180	18.981	5170.5694	5189.5504	---	---
	Ant1	5200	19.021	5190.5694	5209.5904	---	---
	Ant2	5200	18.901	5190.6494	5209.5504	---	---
	Ant1	5240	18.981	5230.6094	5249.5904	---	---
	Ant2	5240	19.021	5230.5694	5249.5904	---	---
	Ant1	5745	19.101	5735.4496	5754.5504	---	---
	Ant2	5745	18.941	5735.5694	5754.5105	---	---
	Ant1	5785	19.021	5775.4895	5794.5105	---	---
	Ant2	5785	19.061	5775.4895	5794.5504	---	---
	Ant1	5825	19.021	5815.5295	5834.5504	---	---
	Ant2	5825	18.901	5815.5694	5834.4705	---	---
11AX40MIMO	Ant1	5190	37.722	5171.3786	5209.1009	---	---
	Ant2	5190	37.722	5171.2987	5209.0210	---	---
	Ant1	5230	37.403	5211.1389	5248.5415	---	---
	Ant2	5230	37.882	5211.0589	5248.9411	---	---
	Ant1	5755	37.483	5736.2987	5773.7812	---	---
	Ant2	5755	37.802	5735.9790	5773.7812	---	---
	Ant1	5795	37.802	5776.1389	5813.9411	---	---
	Ant2	5795	37.323	5776.6983	5814.0210	---	---
11AX80MIMO	Ant1	5210	75.125	5172.4376	5247.5624	---	---
	Ant2	5210	75.125	5172.4376	5247.5624	---	---
	Ant1	5775	75.285	5737.4376	5812.7223	---	---
	Ant2	5775	78.482	5735.1998	5813.6813	---	---

2.2. Test Graphs

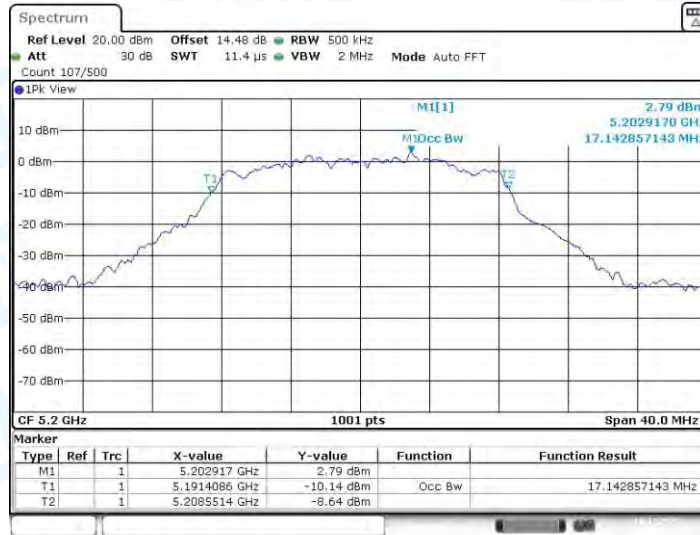
11A-CDD_Ant1_5180



11A-CDD_Ant2_5180



11A-CDD_Ant1_5200



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11A-CDD_Ant2_5200



Date: 16.DEC.2022 11:51:58

11A-CDD_Ant1_5240

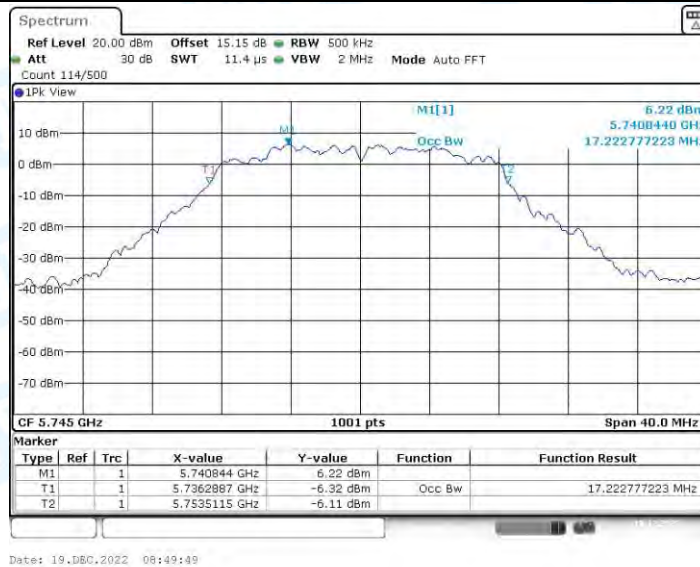


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11A-CDD_Ant2_5240



11A-CDD_Ant1_5745



11A-CDD_Ant2_5745



11A-CDD_Ant1_5785



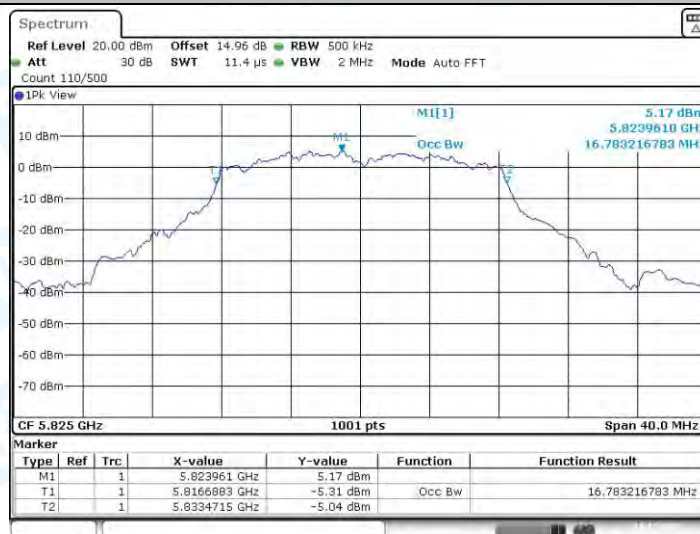
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11A-CDD_Ant2_5785



Date: 19.DEC.2022 09:23:31

11A-CDD_Ant1_5825



Date: 19.DEC.2022 09:25:34

11A-CDD_Ant2_5825



Date: 19.DEC.2022 09:28:24

11N20MIMO_Ant1_5180



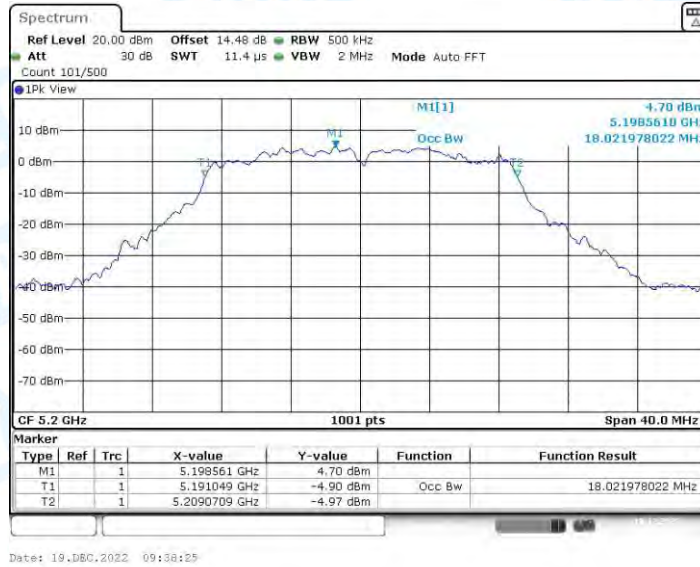
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11N20MIMO_Ant2_5180

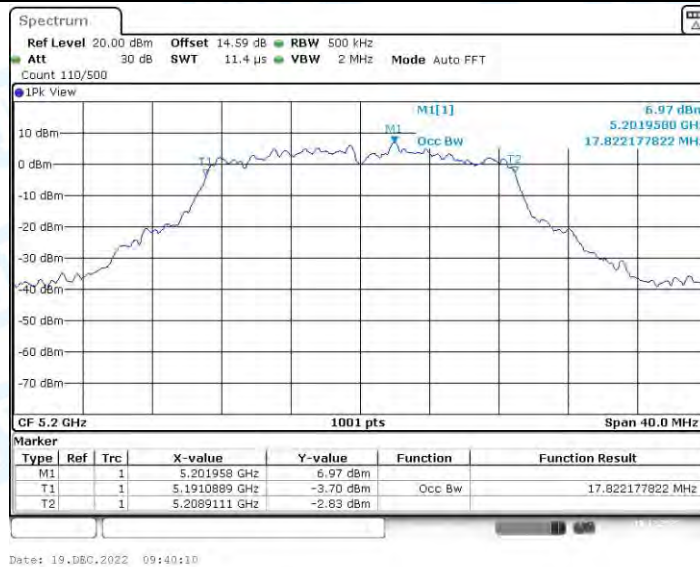


Date: 19.DEC.2022 09:34:55

11N20MIMO_Ant1_5200



11N20MIMO_Ant2_5200



11N20MIMO_Ant1_5240



11N20MIMO_Ant2_5240



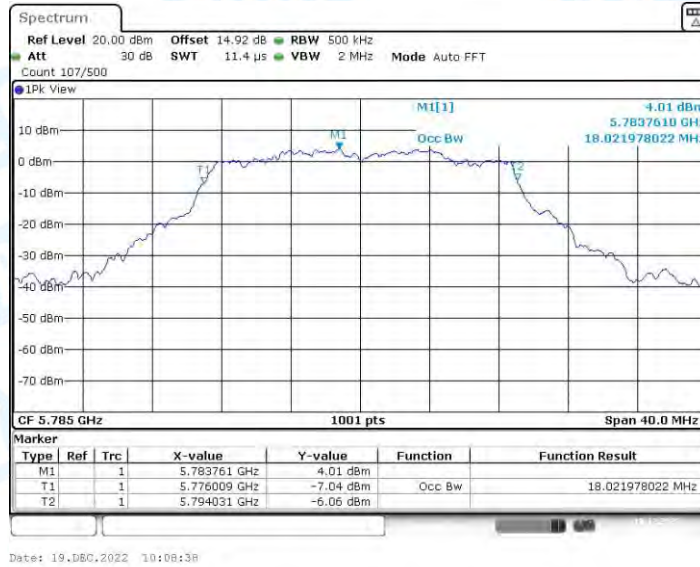
11N20MIMO_Ant1_5745



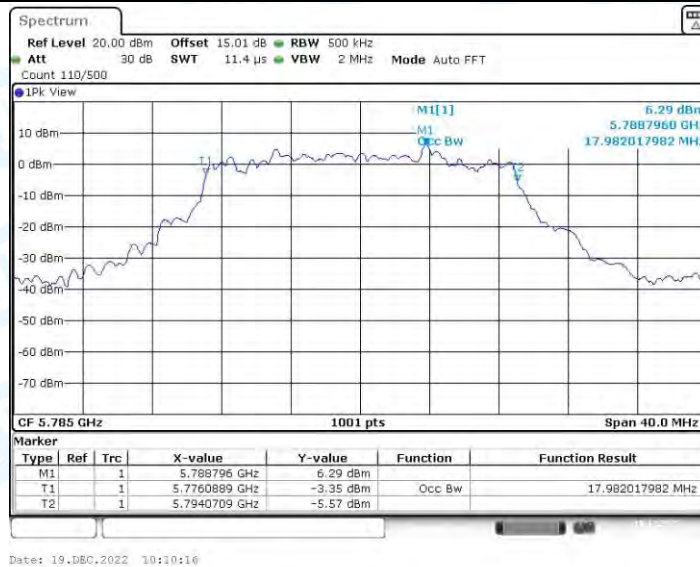
11N20MIMO_Ant2_5745



11N20MIMO_Ant1_5785



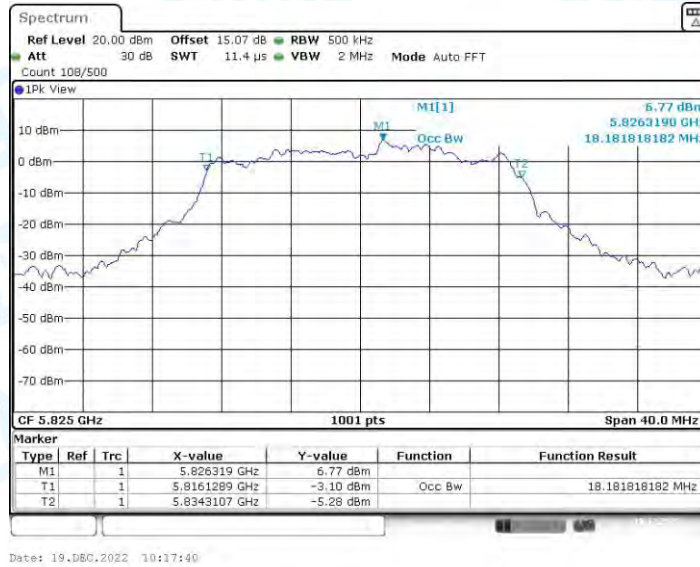
11N20MIMO_Ant2_5785



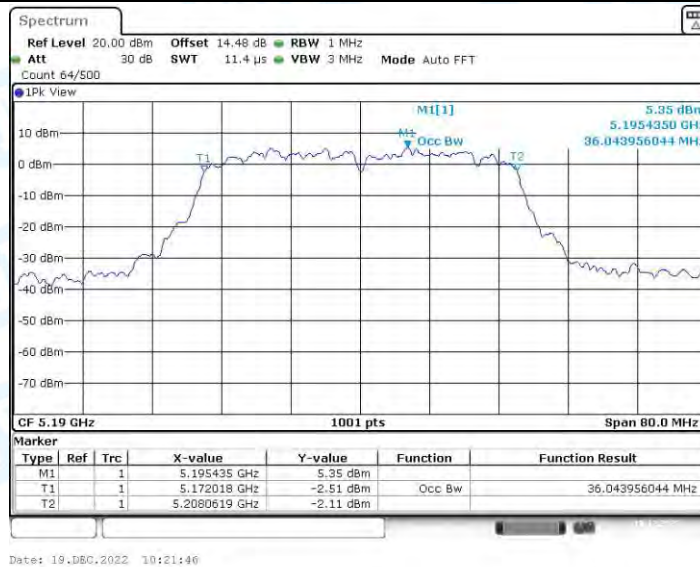
11N20MIMO_Ant1_5825



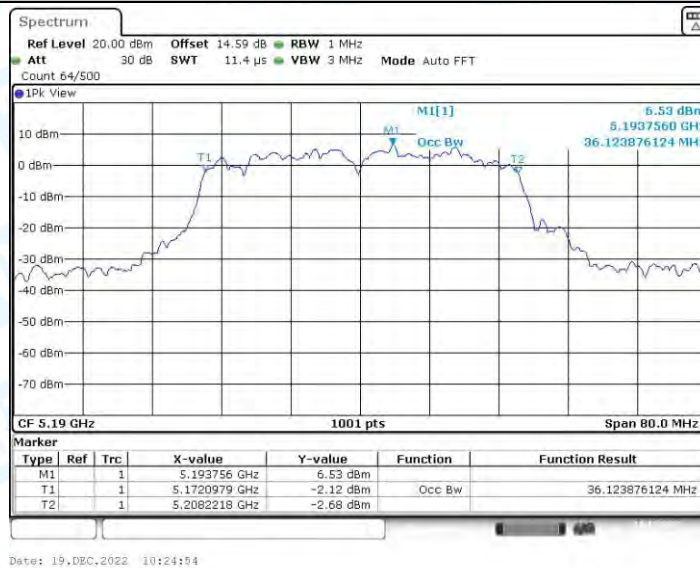
11N20MIMO_Ant2_5825



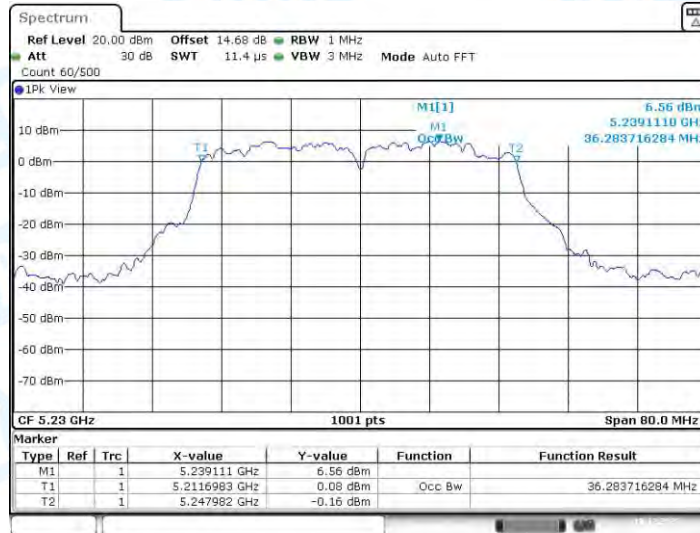
11N40MIMO_Ant1_5190



11N40MIMO_Ant2_5190



11N40MIMO_Ant1_5230



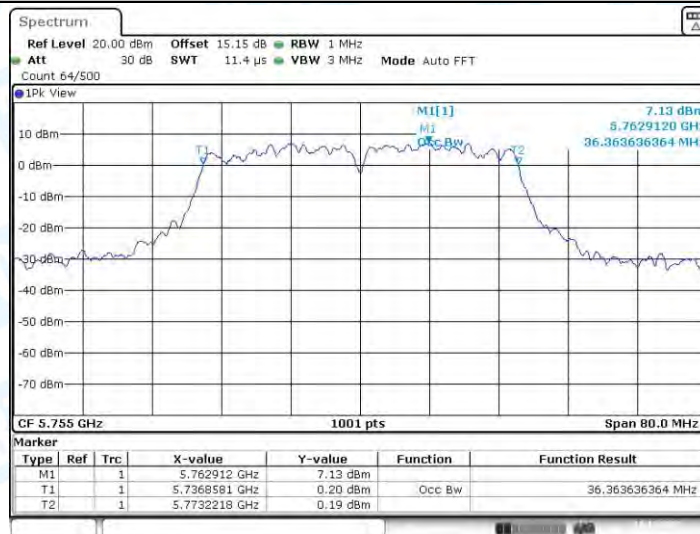
Date: 19.DEC.2022 10:32:09

11N40MIMO_Ant2_5230



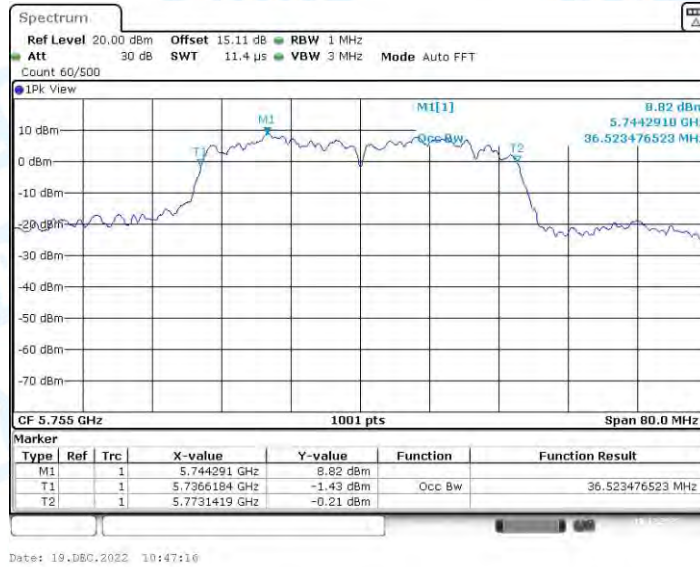
Date: 19.DEC.2022 10:35:17

11N40MIMO_Ant1_5755

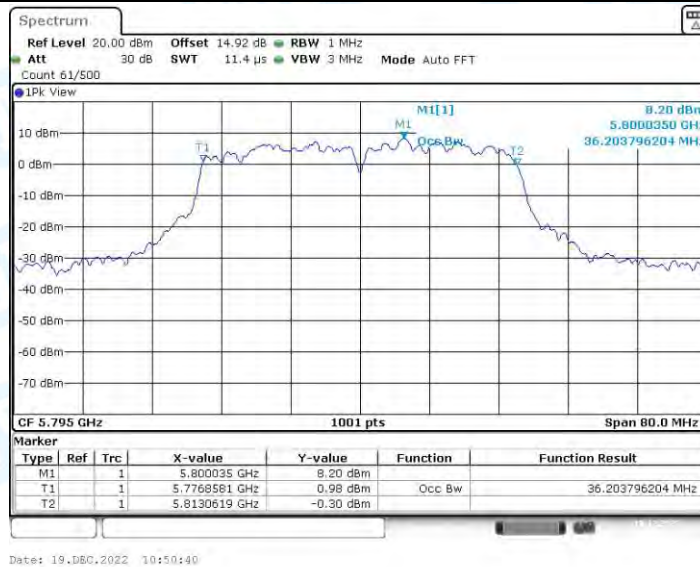


Date: 19.DEC.2022 10:44:25

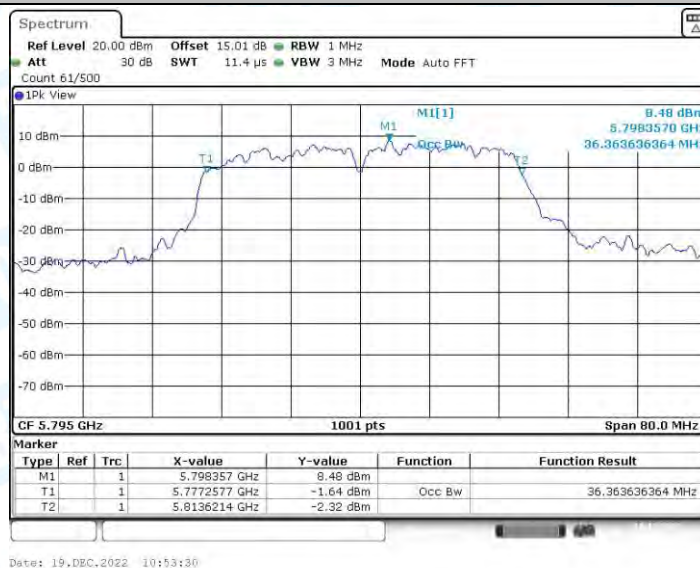
11N40MIMO_Ant2_5755



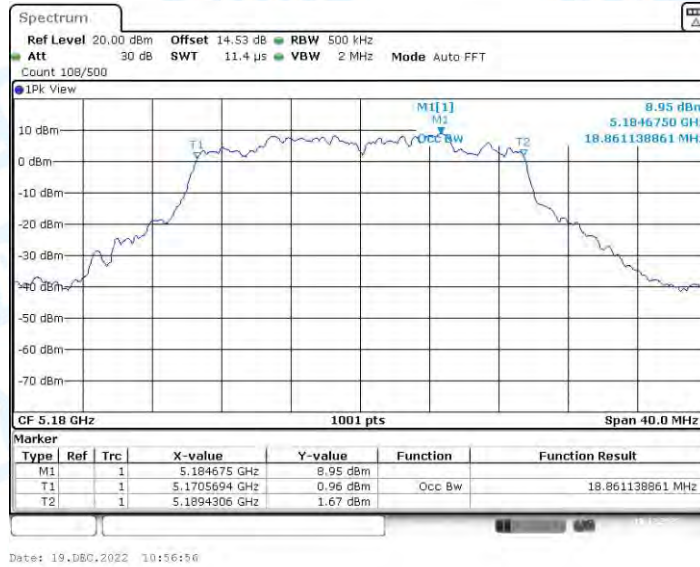
11N40MIMO_Ant1_5795



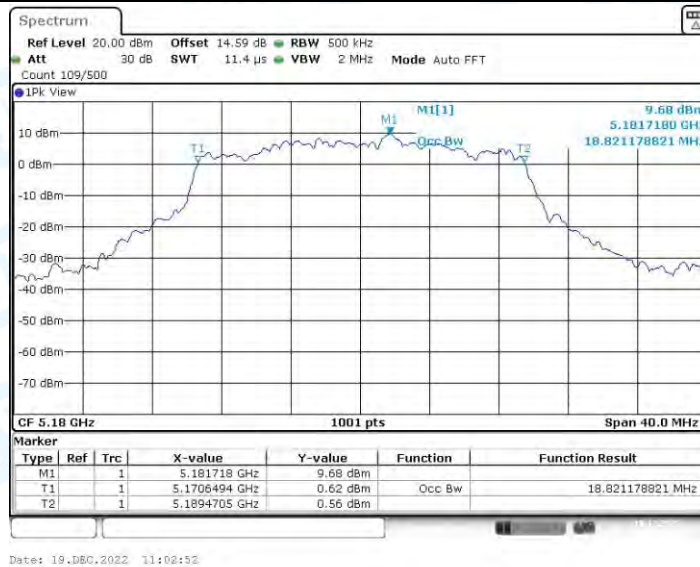
11N40MIMO_Ant2_5795



11AC20MIMO_Ant1_5180



11AC20MIMO_Ant2_5180



11AC20MIMO_Ant1_5200



11AC20MIMO_Ant2_5200



Date: 19.DEC.2022 11:38:53

11AC20MIMO_Ant1_5240



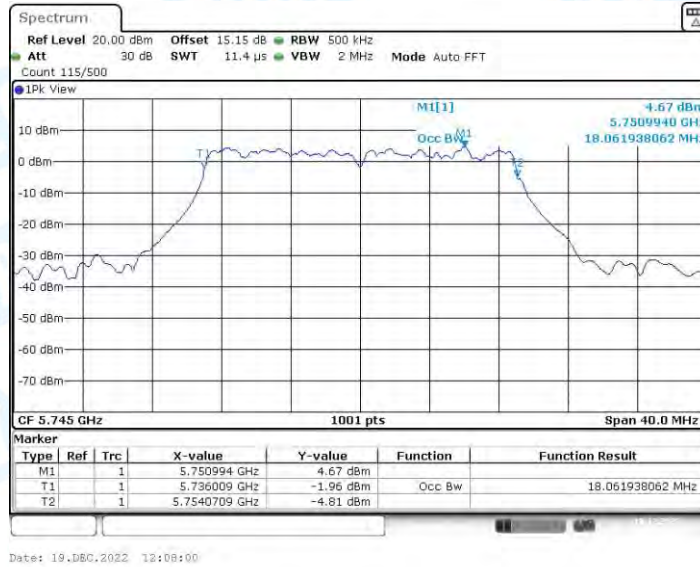
Date: 19.DEC.2022 11:44:37

11AC20MIMO_Ant2_5240

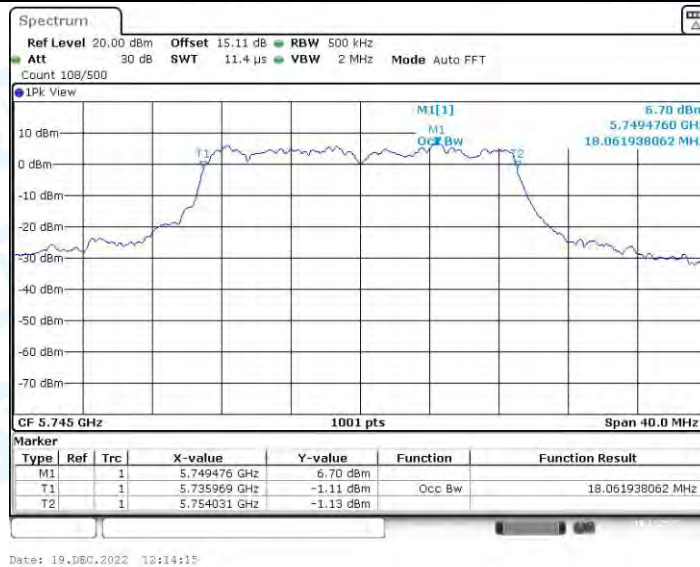


Date: 19.DEC.2022 11:51:11

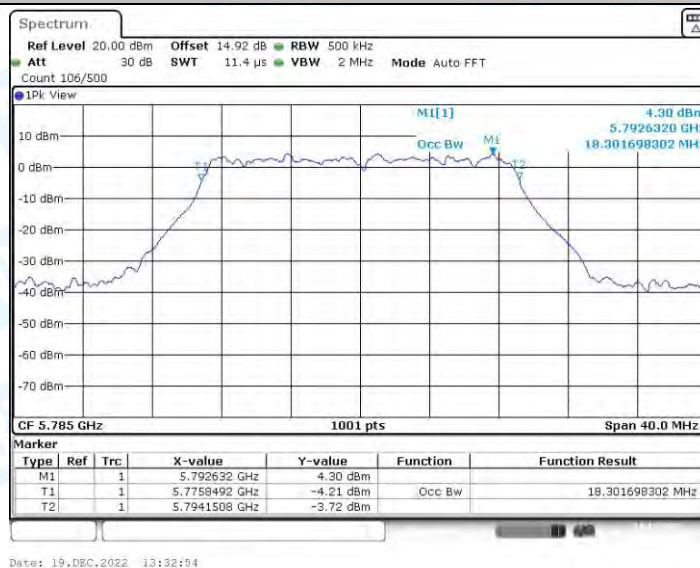
11AC20MIMO_Ant1_5745



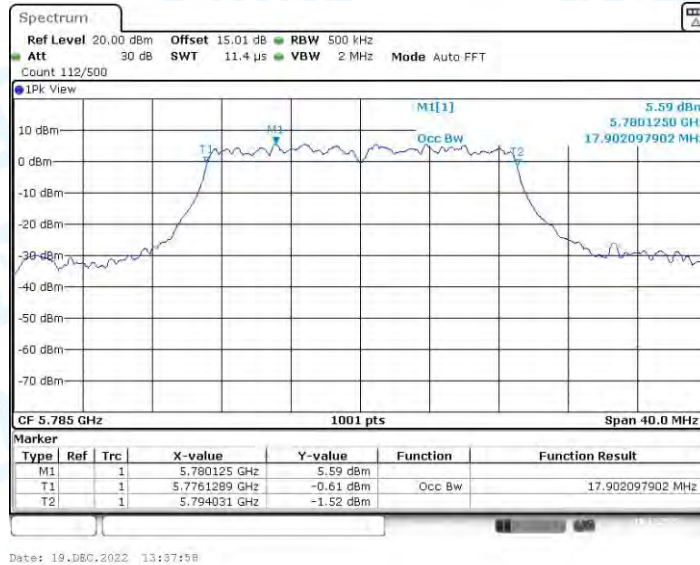
11AC20MIMO_Ant2_5745



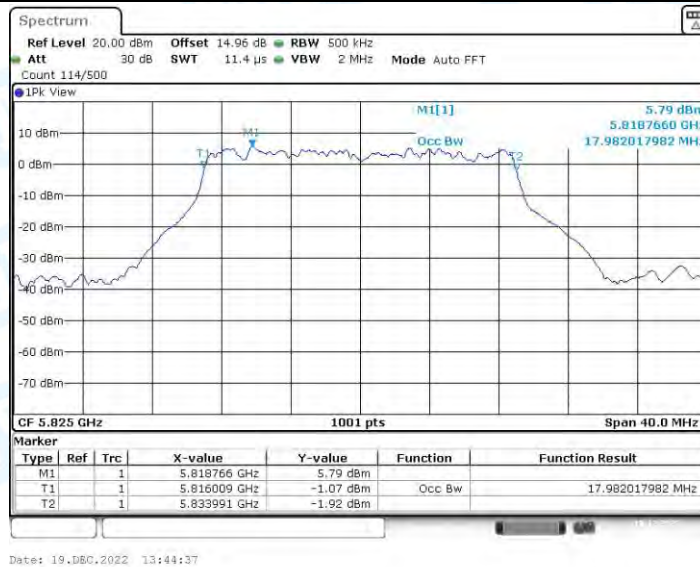
11AC20MIMO_Ant1_5785



11AC20MIMO_Ant2_5785



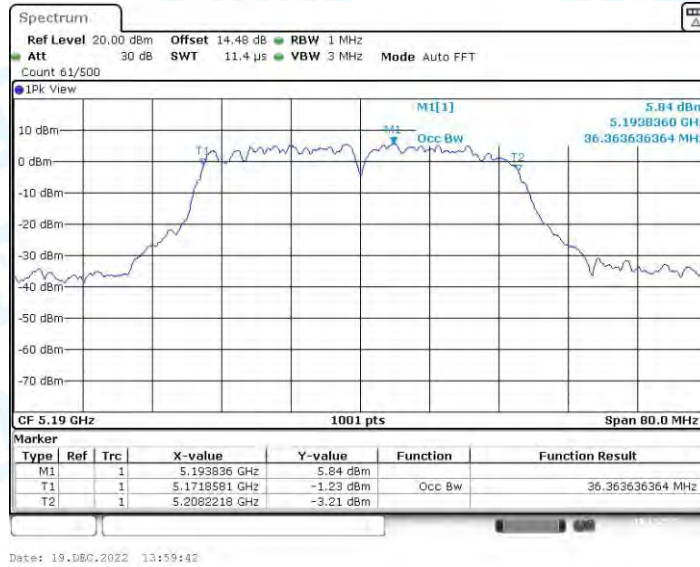
11AC20MIMO_Ant1_5825



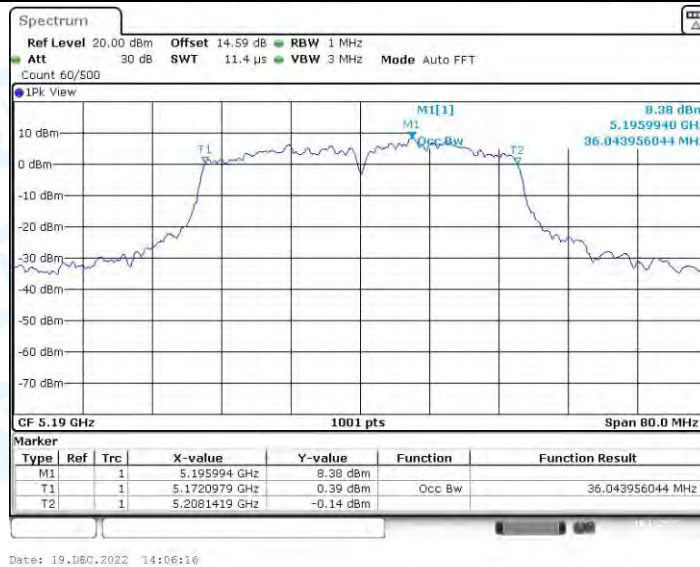
11AC20MIMO_Ant2_5825



11AC40MIMO_Ant1_5190



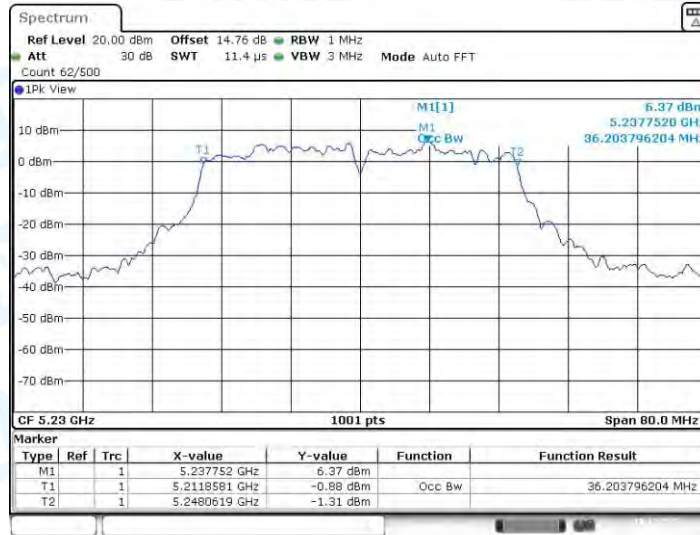
11AC40MIMO_Ant2_5190



11AC40MIMO_Ant1_5230



11AC40MIMO_Ant2_5230



Date: 19.DEC.2022 14:19:46

11AC40MIMO_Ant1_5755



Date: 19.DEC.2022 14:27:58

11AC40MIMO_Ant2_5755



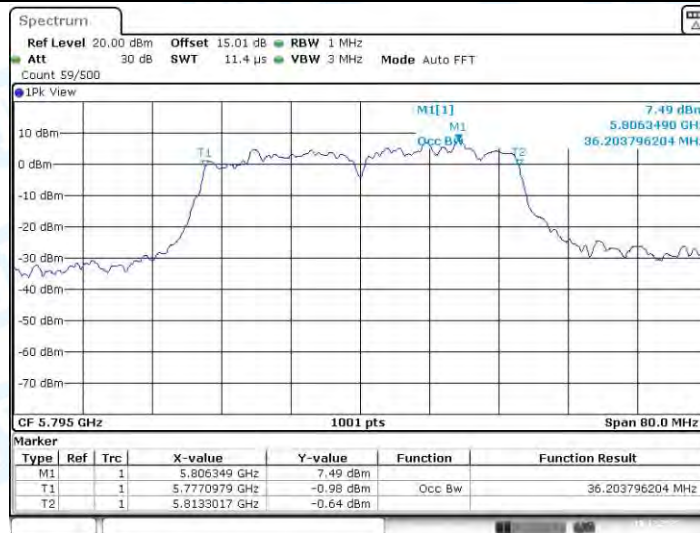
Date: 19.DEC.2022 14:34:14

11AC40MIMO_Ant1_5795



Date: 19.DEC.2022 14:40:47

11AC40MIMO_Ant2_5795



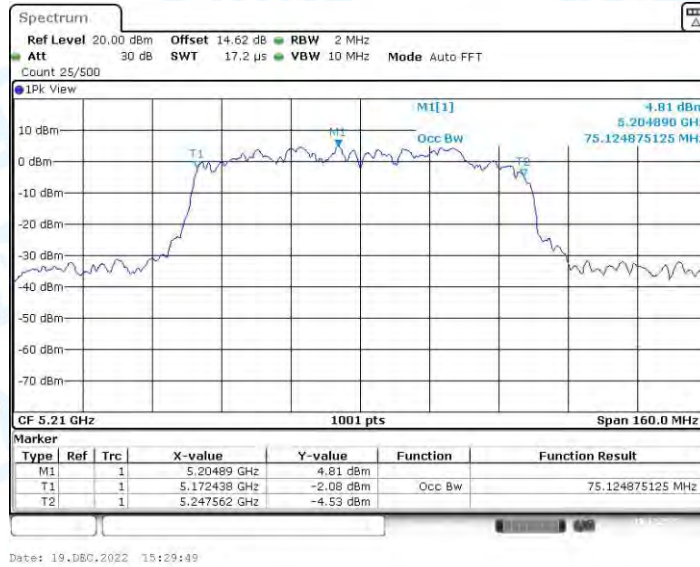
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11AC80MIMO_Ant1_5210

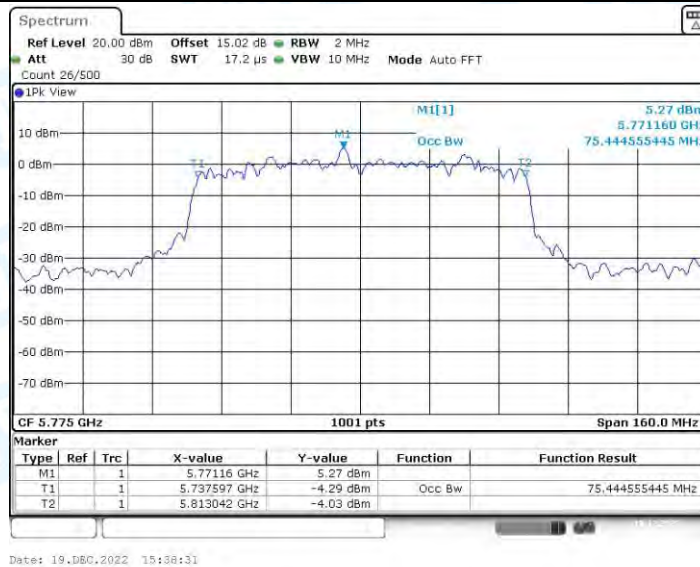


Date: 19.DEC.2022 15:21:53

11AC80MIMO_Ant2_5210



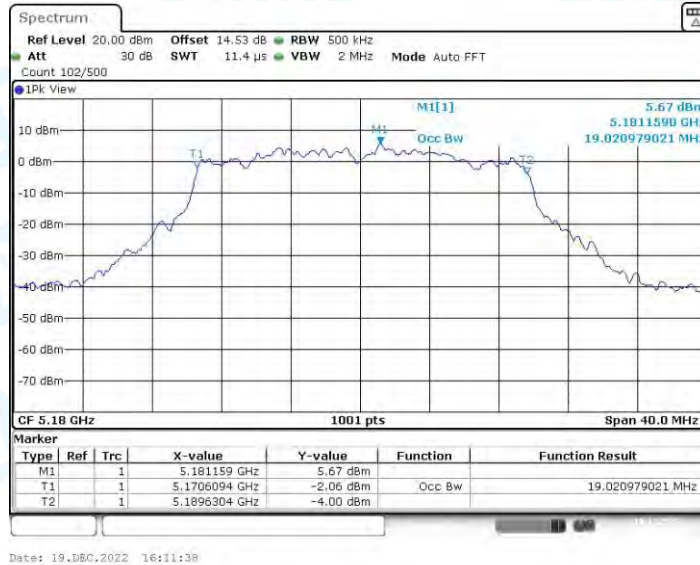
11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775



11AX20MIMO_Ant1_5180



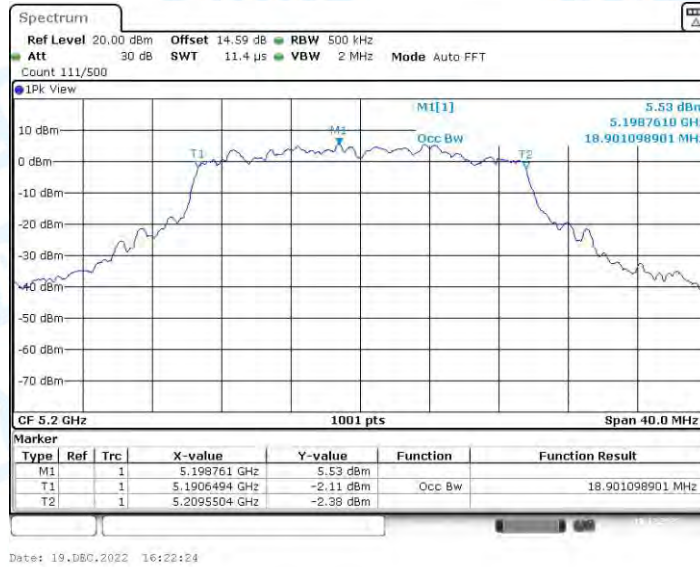
11AX20MIMO_Ant2_5180



11AX20MIMO_Ant1_5200



11AX20MIMO_Ant2_5200



11AX20MIMO_Ant1_5240



11AX20MIMO_Ant2_5240



11AX20MIMO_Ant1_5745



Date: 19.DEC.2022 16:41:48

11AX20MIMO_Ant2_5745



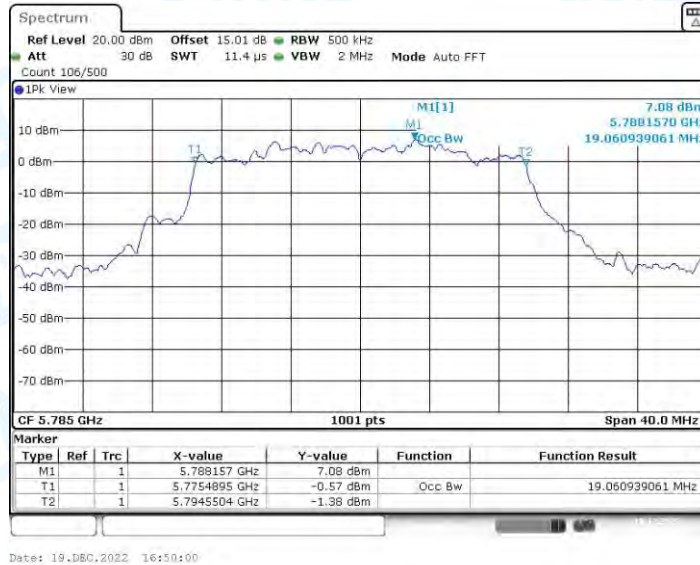
Date: 19.DEC.2022 16:44:38

11AX20MIMO_Ant1_5785

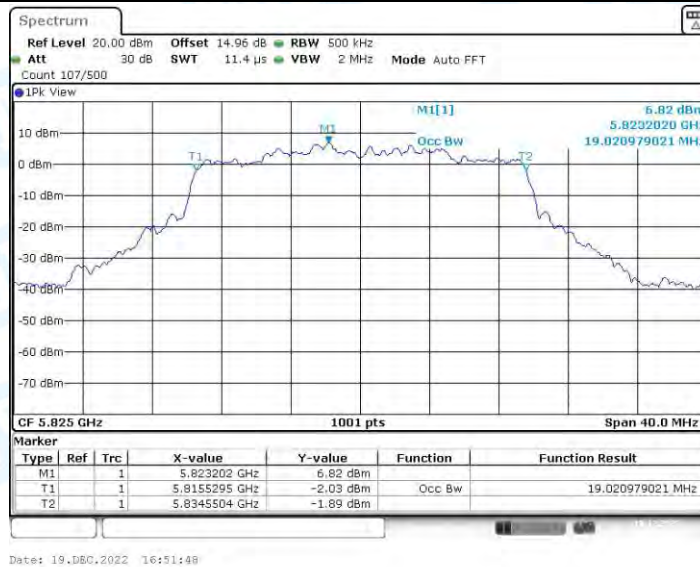


Date: 19.DEC.2022 16:48:23

11AX20MIMO_Ant2_5785



11AX20MIMO_Ant1_5825



11AX20MIMO_Ant2_5825

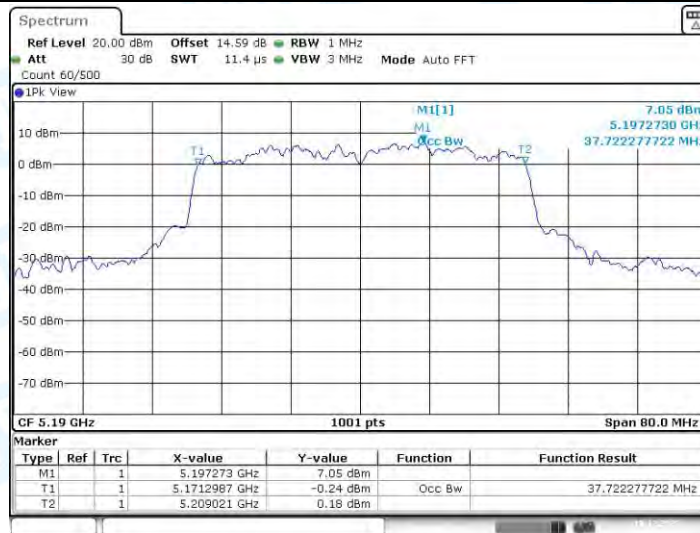


11AX40MIMO_Ant1_5190



Date: 19.DEC.2022 17:04:33

11AX40MIMO_Ant2_5190



Date: 19.DEC.2022 17:07:42

11AX40MIMO_Ant1_5230



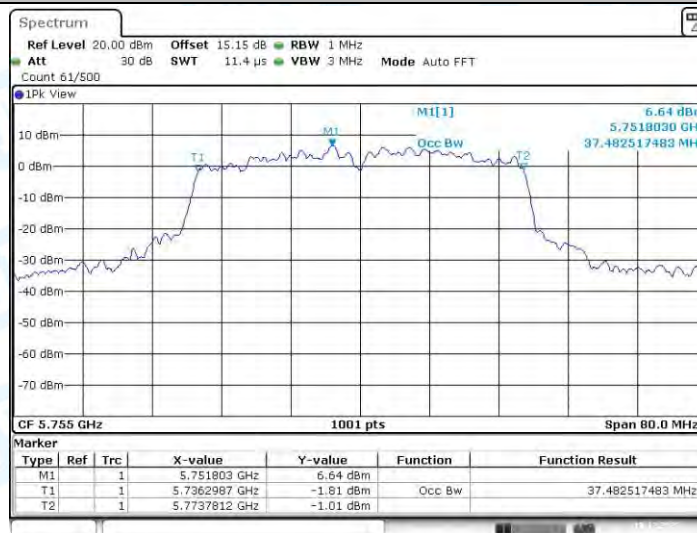
Date: 19.DEC.2022 17:11:26

11AX40MIMO_Ant2_5230



Date: 19.DEC.2022 17:14:34

11AX40MIMO_Ant1_5755



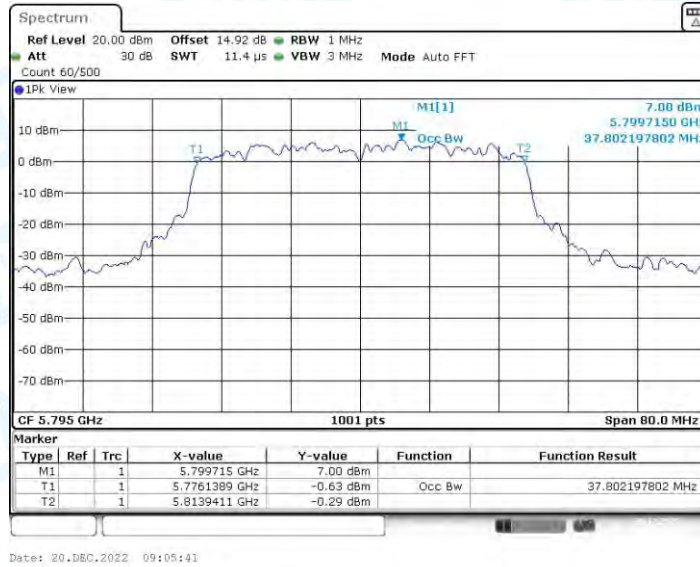
Date: 19.DEC.2022 17:18:40

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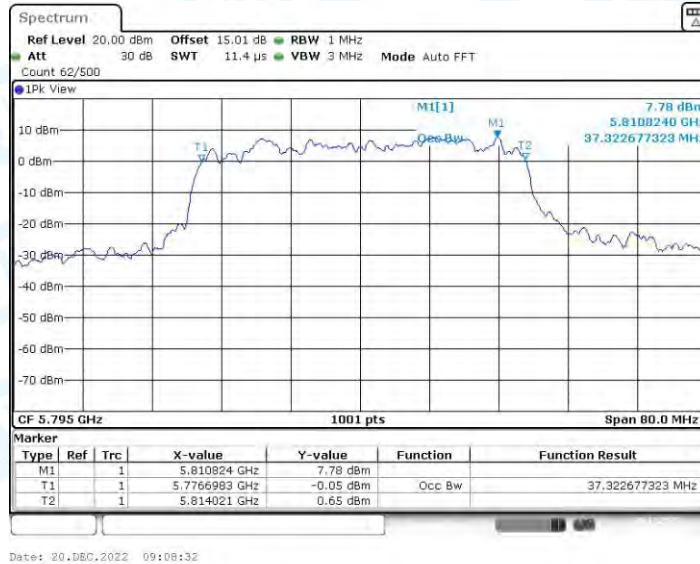


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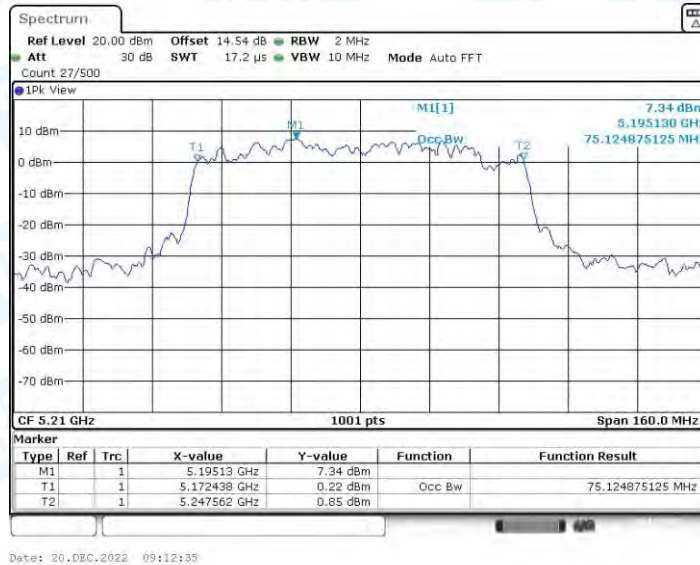
11AX40MIMO_Ant1_5795



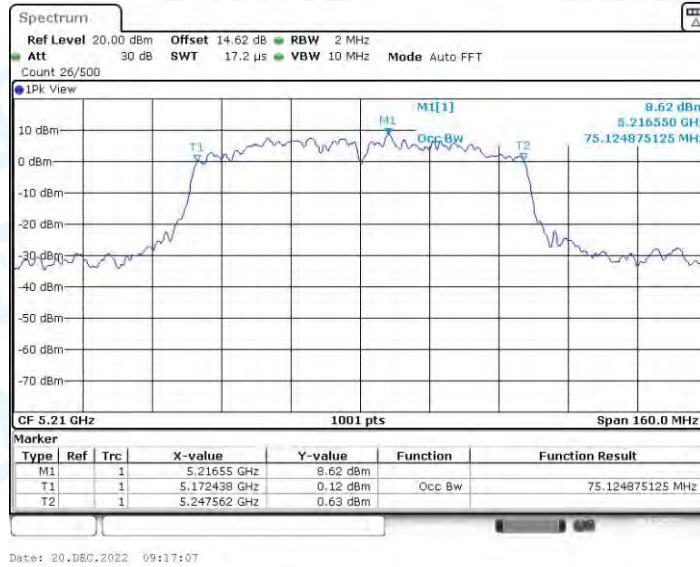
11AX40MIMO_Ant2_5795



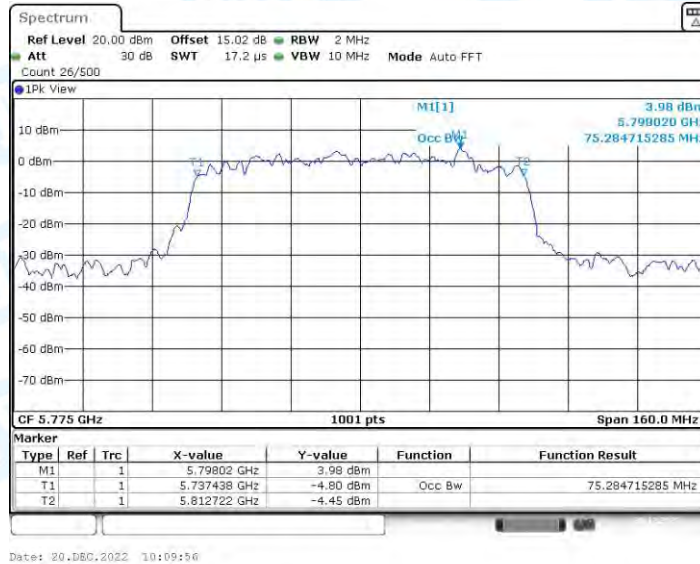
11AX80MIMO_Ant1_5210



11AX80MIMO_Ant2_5210



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775



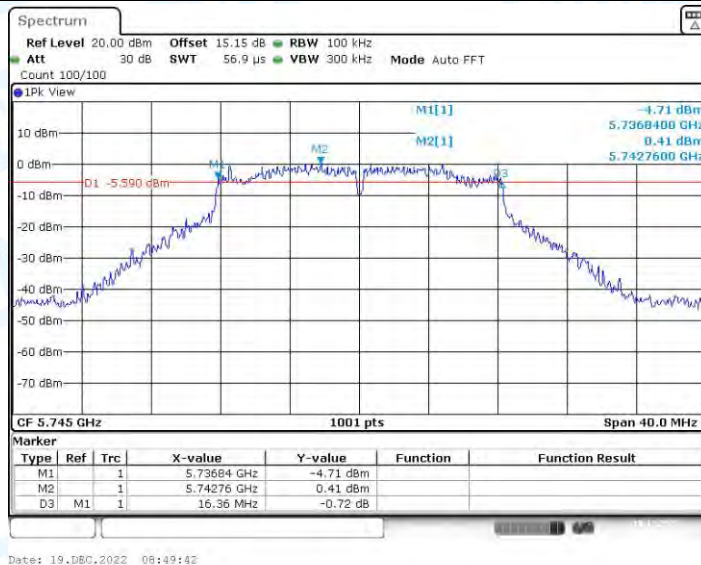
3. Min emission bandwidth

3.1. Test Result

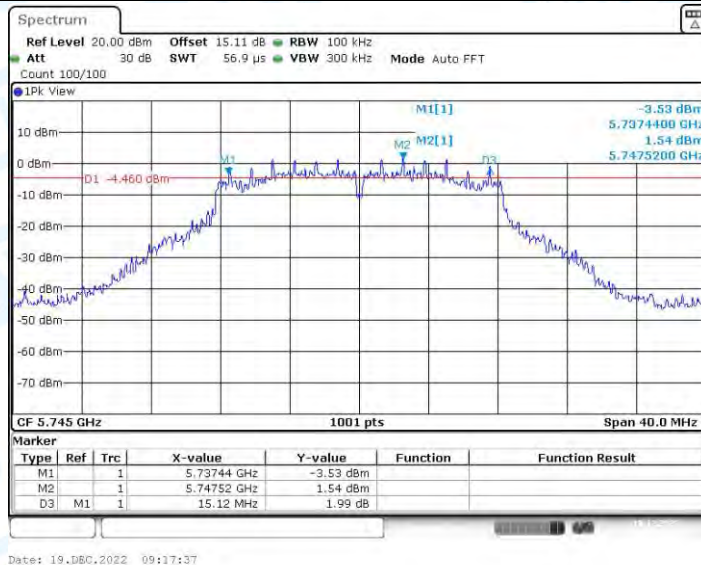
TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5745	16.36	5736.84	5753.20	0.5	PASS
	Ant2	5745	15.12	5737.44	5752.56	0.5	PASS
	Ant1	5785	15.12	5777.48	5792.60	0.5	PASS
	Ant2	5785	13.84	5778.76	5792.60	0.5	PASS
	Ant1	5825	15.04	5817.56	5832.60	0.5	PASS
	Ant2	5825	13.88	5818.76	5832.64	0.5	PASS
11N20MIMO	Ant1	5745	13.88	5738.72	5752.60	0.5	PASS
	Ant2	5745	17.56	5736.28	5753.84	0.5	PASS
	Ant1	5785	15.16	5777.44	5792.60	0.5	PASS
	Ant2	5785	15.36	5777.48	5792.84	0.5	PASS
	Ant1	5825	15.08	5817.52	5832.60	0.5	PASS
	Ant2	5825	15.04	5817.56	5832.60	0.5	PASS
11N40MIMO	Ant1	5755	33.84	5738.76	5772.60	0.5	PASS
	Ant2	5755	30.72	5737.48	5768.20	0.5	PASS
	Ant1	5795	35.12	5777.48	5812.60	0.5	PASS
	Ant2	5795	30.72	5781.88	5812.60	0.5	PASS
11AC20MIMO	Ant1	5745	17.72	5736.16	5753.88	0.5	PASS
	Ant2	5745	17.72	5736.20	5753.92	0.5	PASS
	Ant1	5785	17.72	5776.16	5793.88	0.5	PASS
	Ant2	5785	17.64	5776.28	5793.92	0.5	PASS
	Ant1	5825	17.72	5816.16	5833.88	0.5	PASS
	Ant2	5825	17.64	5816.24	5833.88	0.5	PASS
11AC40MIMO	Ant1	5755	35.12	5737.48	5772.60	0.5	PASS
	Ant2	5755	35.12	5737.48	5772.60	0.5	PASS
	Ant1	5795	35.68	5777.56	5813.24	0.5	PASS
	Ant2	5795	32.56	5780.04	5812.60	0.5	PASS
11AC80MIMO	Ant1	5775	68.80	5743.80	5812.60	0.5	PASS
	Ant2	5775	73.28	5739.96	5813.24	0.5	PASS
11AX20MIMO	Ant1	5745	16.56	5736.04	5752.60	0.5	PASS
	Ant2	5745	15.08	5737.52	5752.60	0.5	PASS
	Ant1	5785	15.00	5777.56	5792.56	0.5	PASS
	Ant2	5785	15.12	5777.48	5792.60	0.5	PASS
	Ant1	5825	15.16	5817.44	5832.60	0.5	PASS
	Ant2	5825	15.12	5817.48	5832.60	0.5	PASS
11AX40MIMO	Ant1	5755	35.04	5737.48	5772.52	0.5	PASS
	Ant2	5755	35.04	5737.56	5772.60	0.5	PASS
	Ant1	5795	35.84	5776.76	5812.60	0.5	PASS
	Ant2	5795	30.16	5782.44	5812.60	0.5	PASS
11AX80MIMO	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS
	Ant2	5775	45.76	5760.60	5806.36	0.5	PASS

3.2. Test Graphs

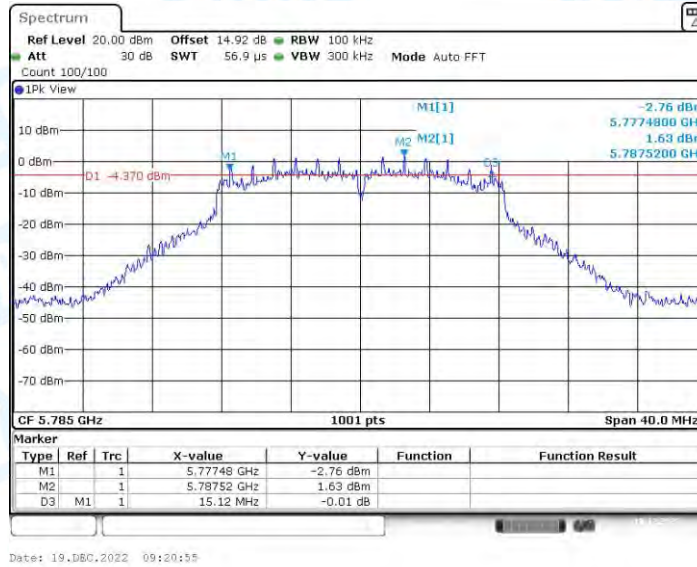
11A-CDD_Ant1_5745



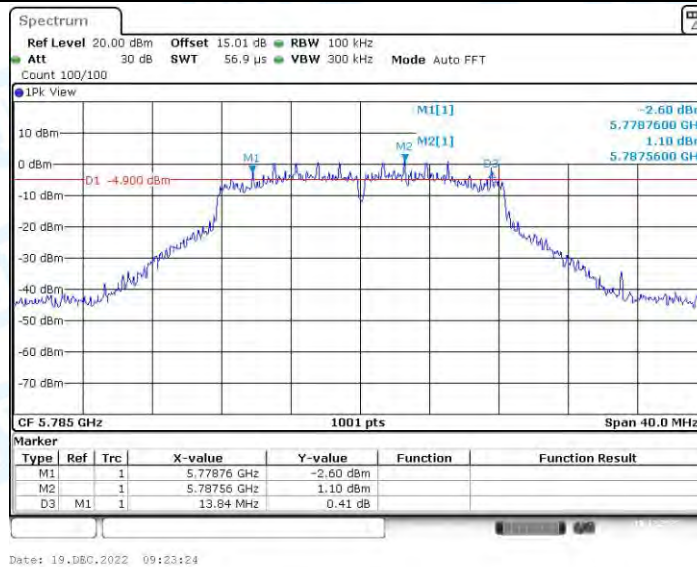
11A-CDD_Ant2_5745



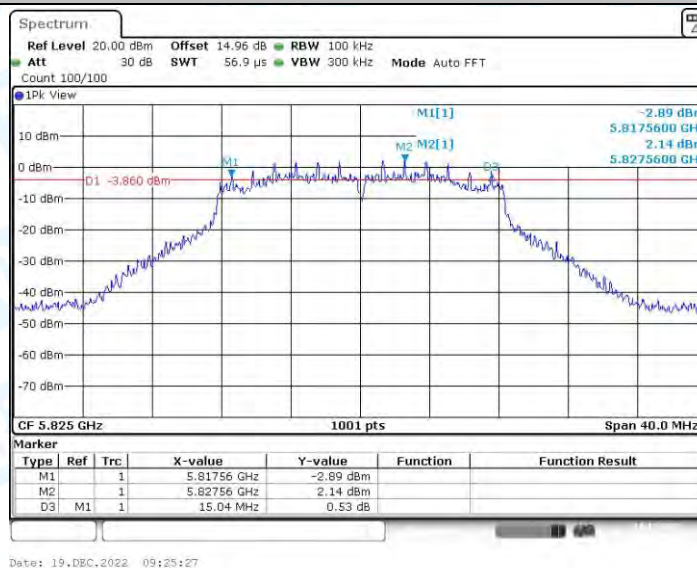
11A-CDD_Ant1_5785



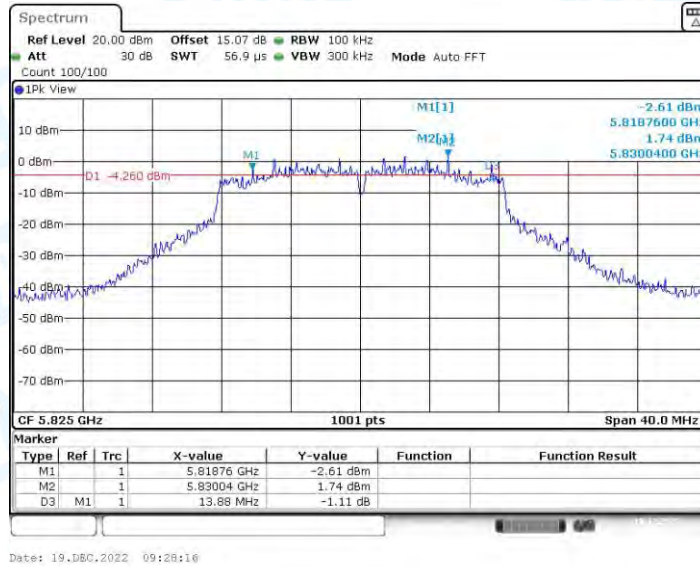
11A-CDD_Ant2_5785



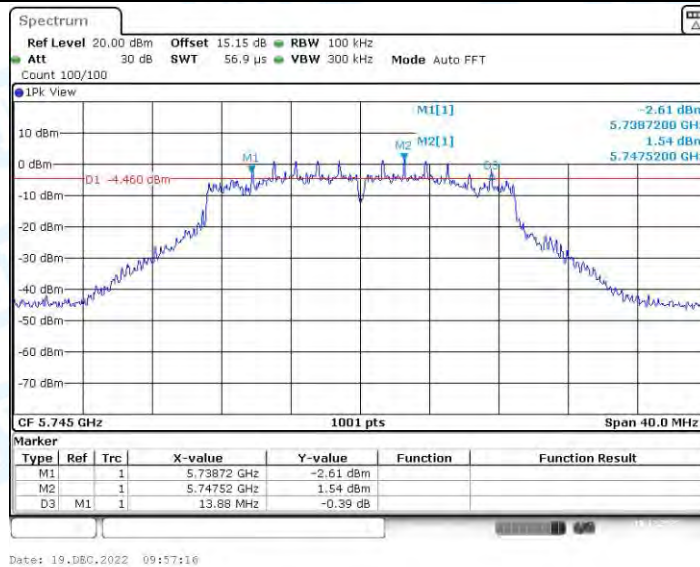
11A-CDD_Ant1_5825



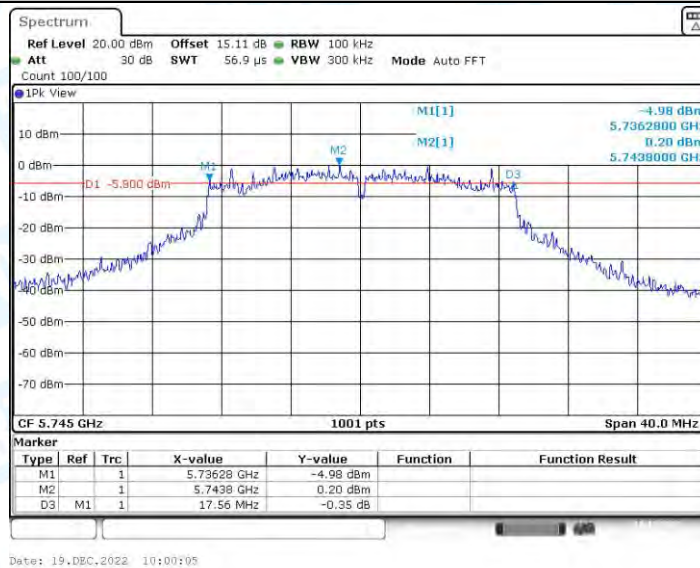
11A-CDD_Ant2_5825



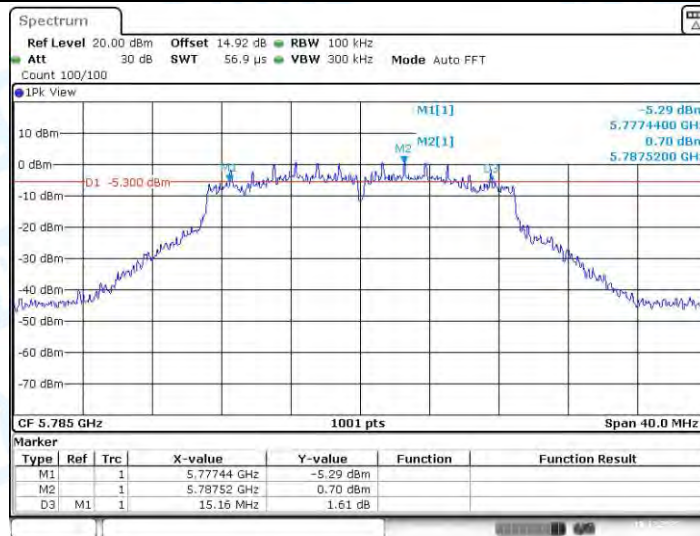
11N20MIMO_Ant1_5745



11N20MIMO_Ant2_5745

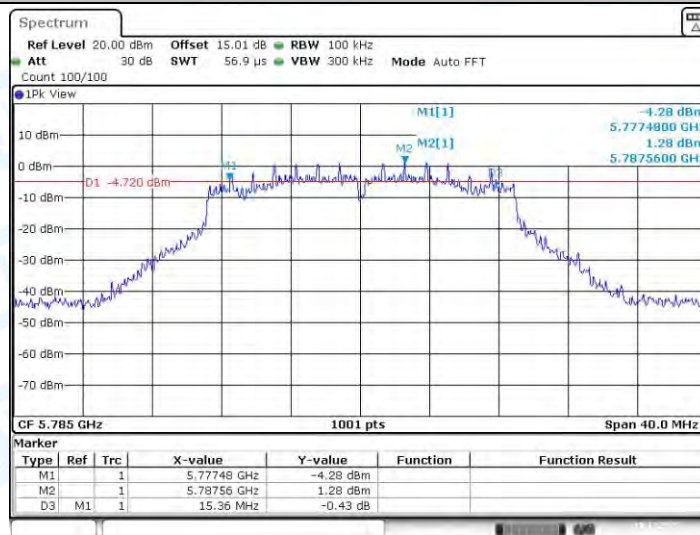


11N20MIMO_Ant1_5785



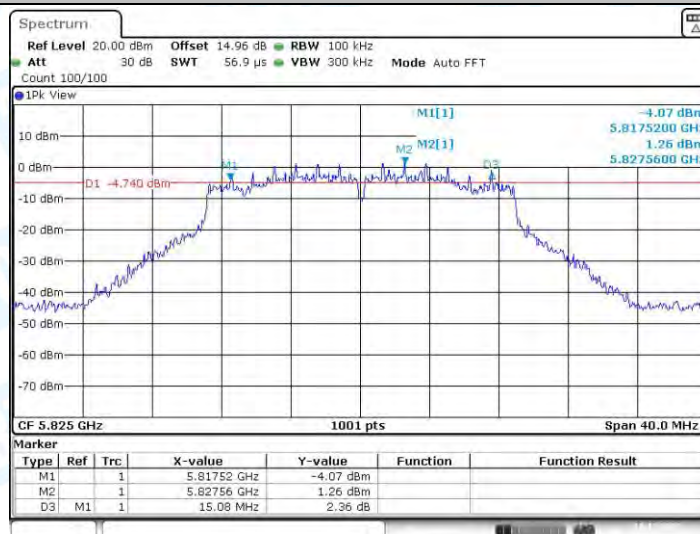
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11N20MIMO_Ant2_5785



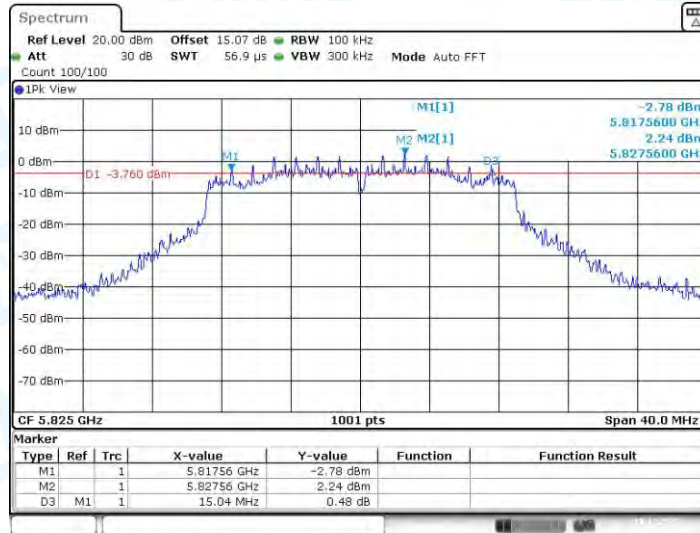
Date: 19.DEC.2022 10:10:09

11N20MIMO_Ant1_5825



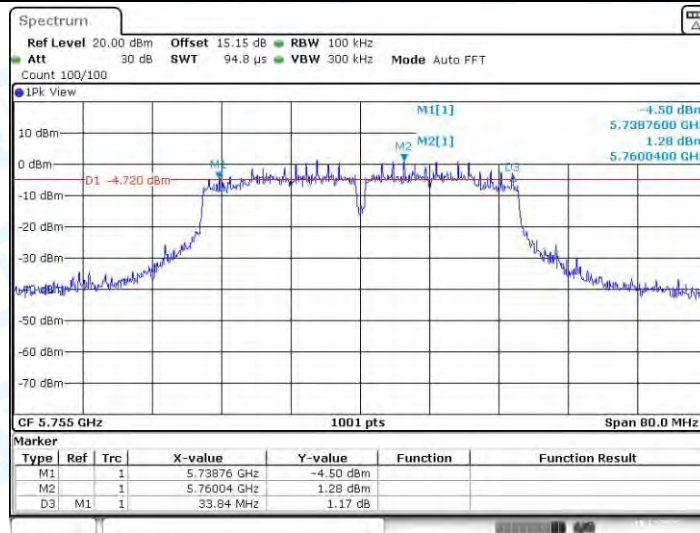
Date: 19.DEC.2022 10:14:43

11N20MIMO_Ant2_5825



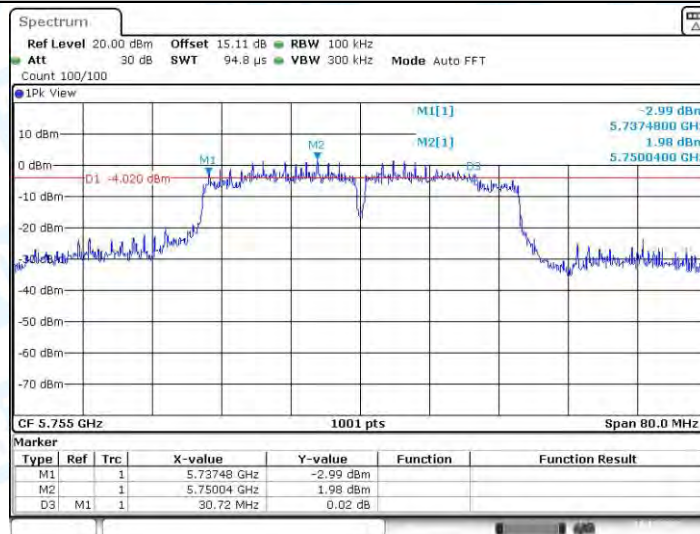
Date: 19.DEC.2022 10:17:33

11N40MIMO_Ant1_5755



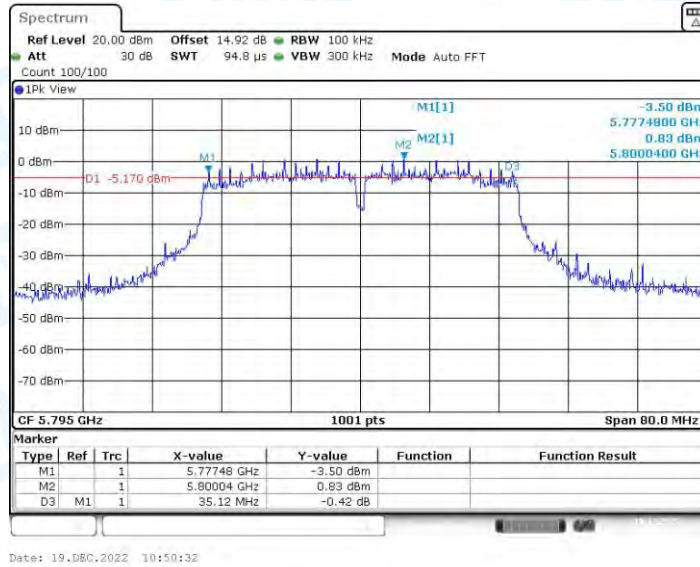
Date: 19.DEC.2022 10:44:17

11N40MIMO_Ant2_5755

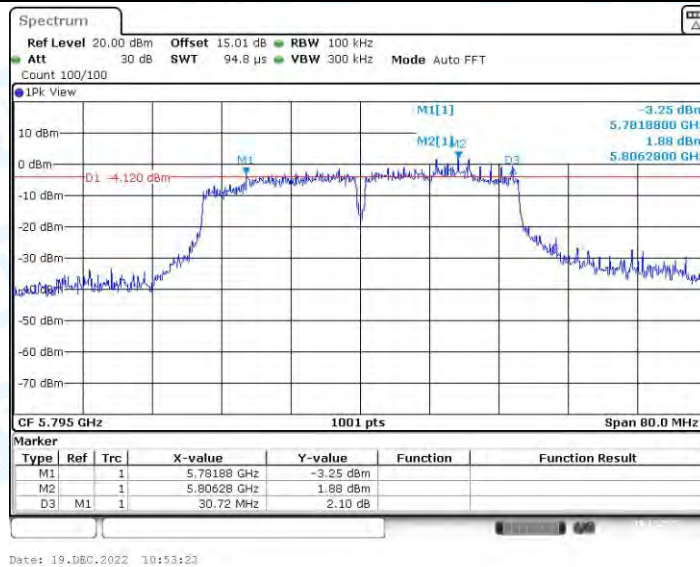


Date: 19.DEC.2022 10:47:09

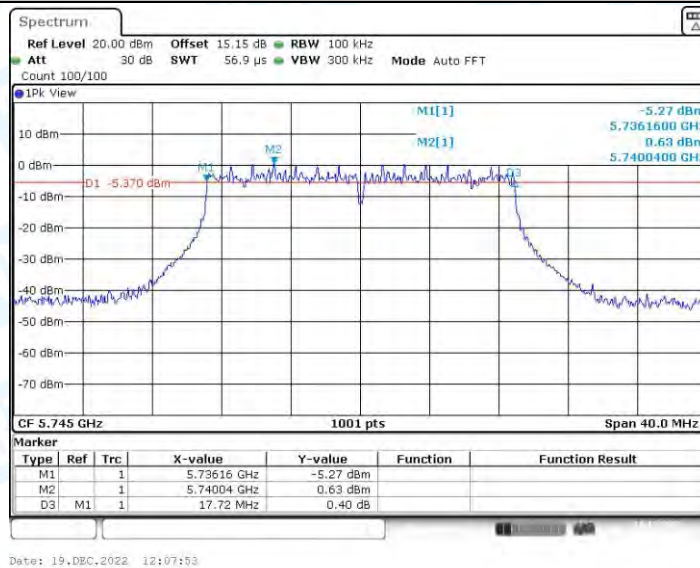
11N40MIMO_Ant1_5795



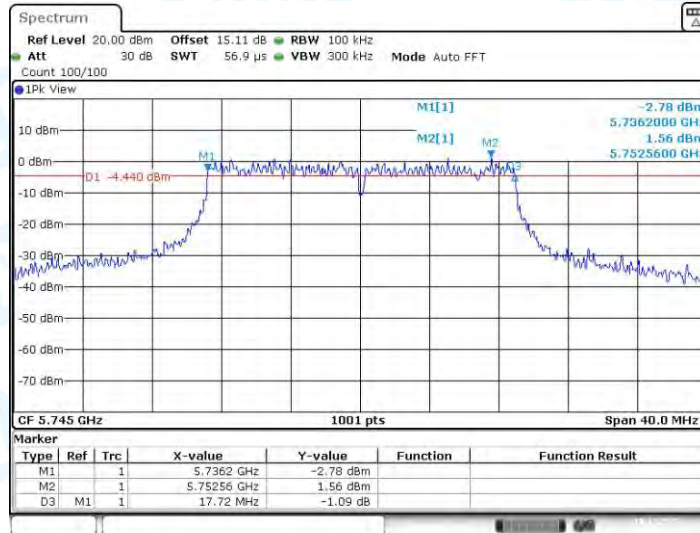
11N40MIMO_Ant2_5795



11AC20MIMO_Ant1_5745

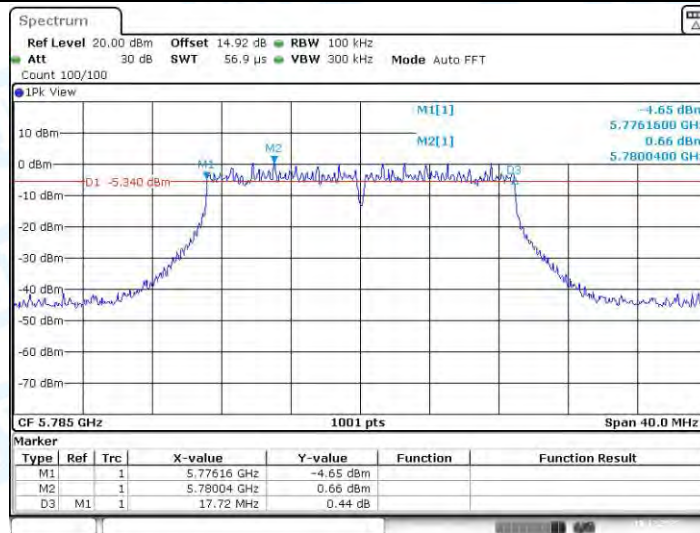


11AC20MIMO_Ant2_5745



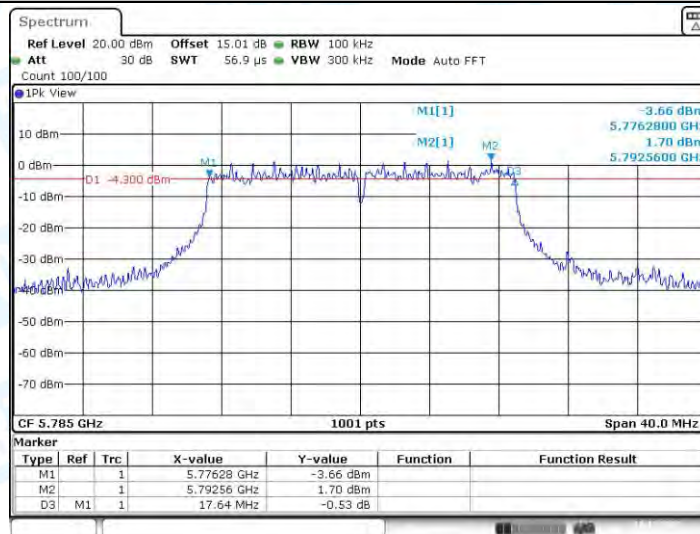
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11AC20MIMO_Ant1_5785



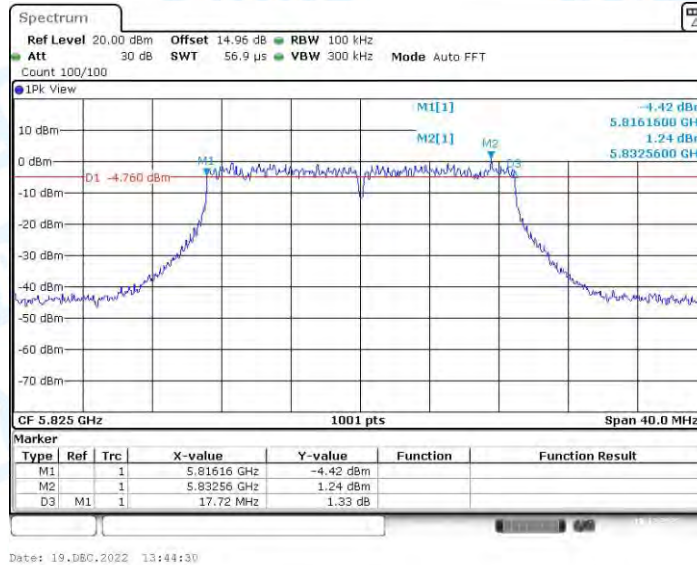
Date: 19.DEC.2022 13:32:47

11AC20MIMO_Ant2_5785

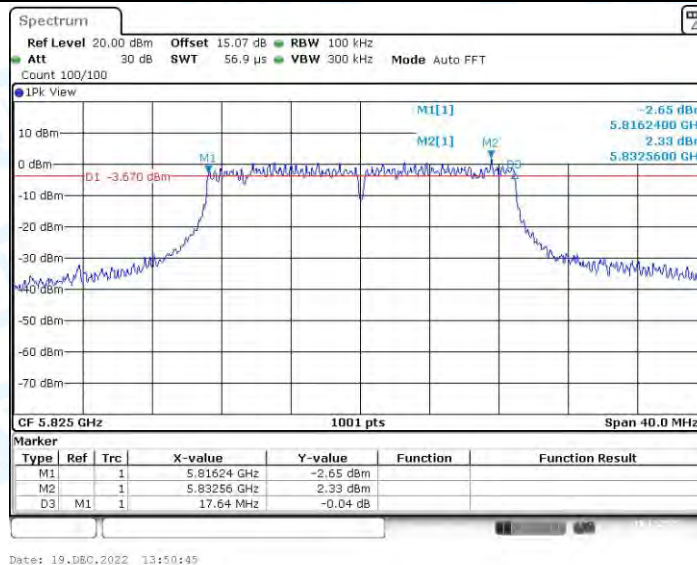


Date: 19.DEC.2022 13:37:51

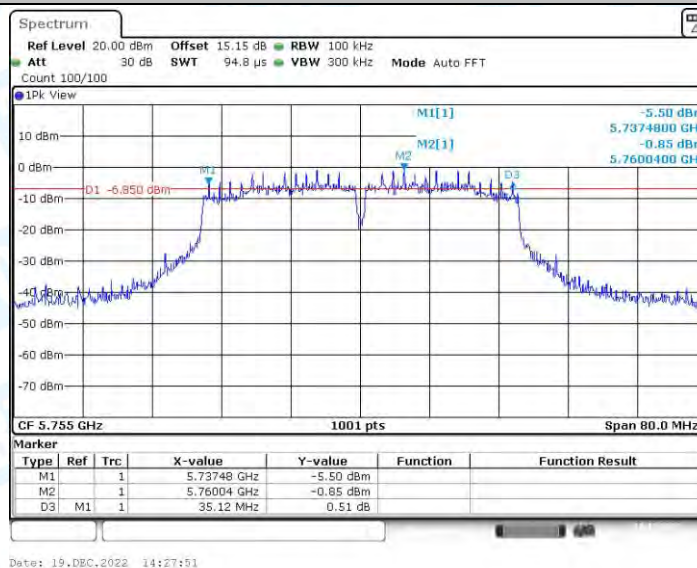
11AC20MIMO_Ant1_5825



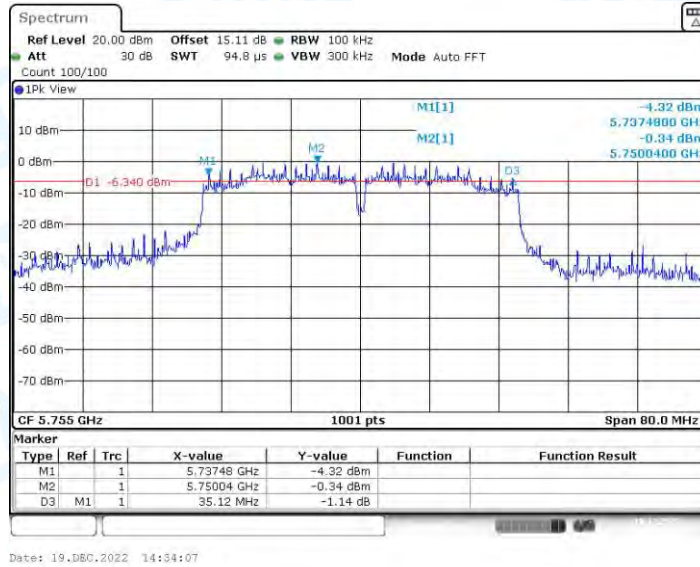
11AC20MIMO_Ant2_5825



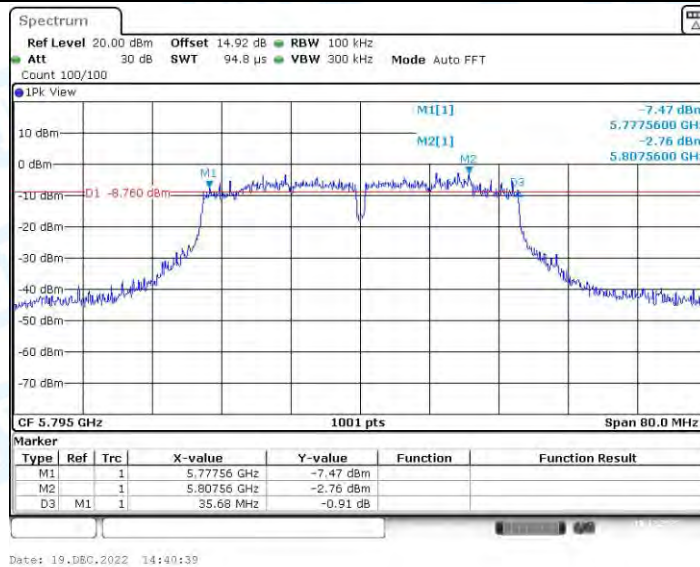
11AC40MIMO_Ant1_5755



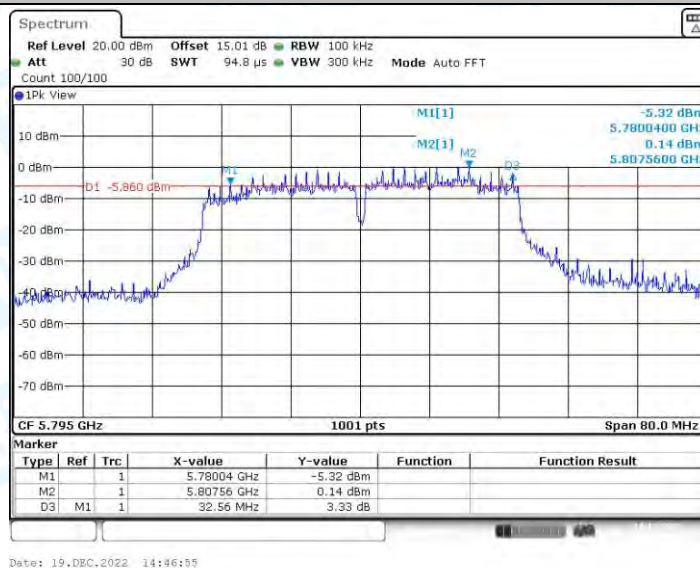
11AC40MIMO_Ant2_5755



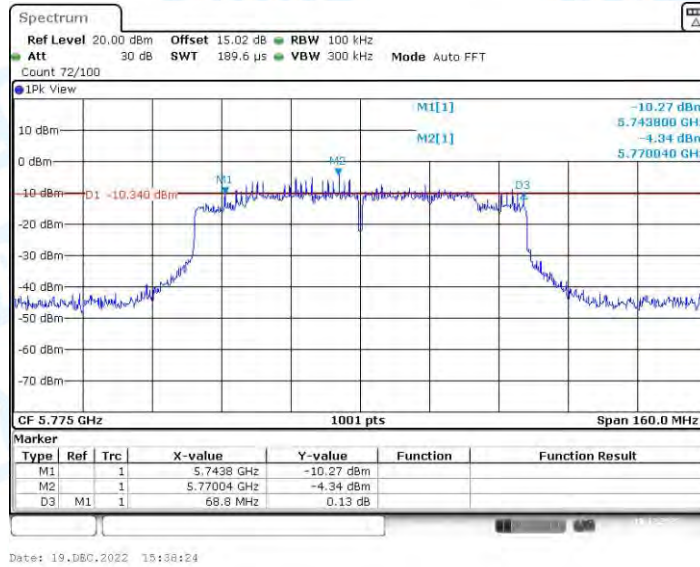
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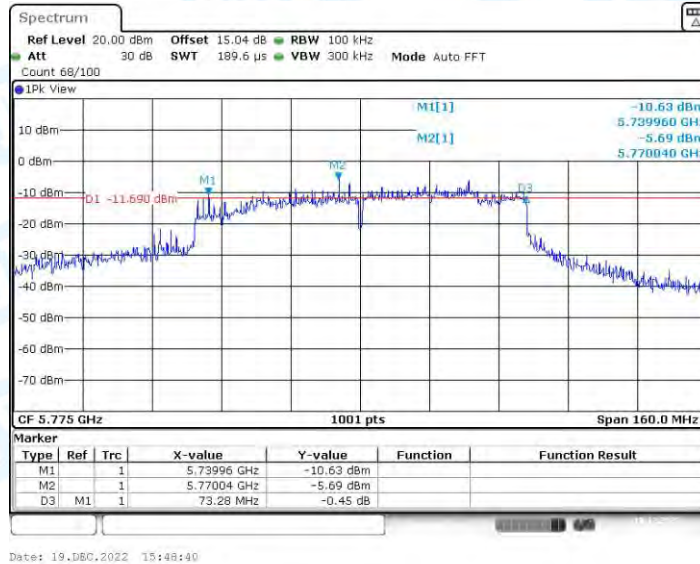
11AC40MIMO_Ant2_5795



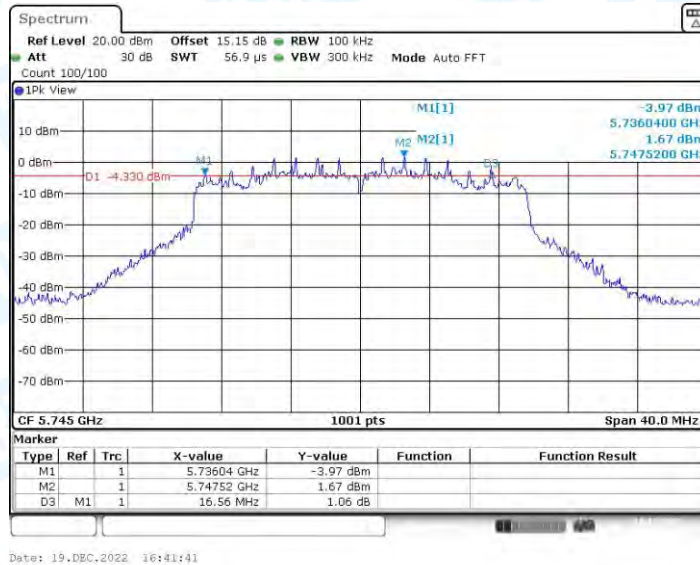
11AC80MIMO_Ant1_5775



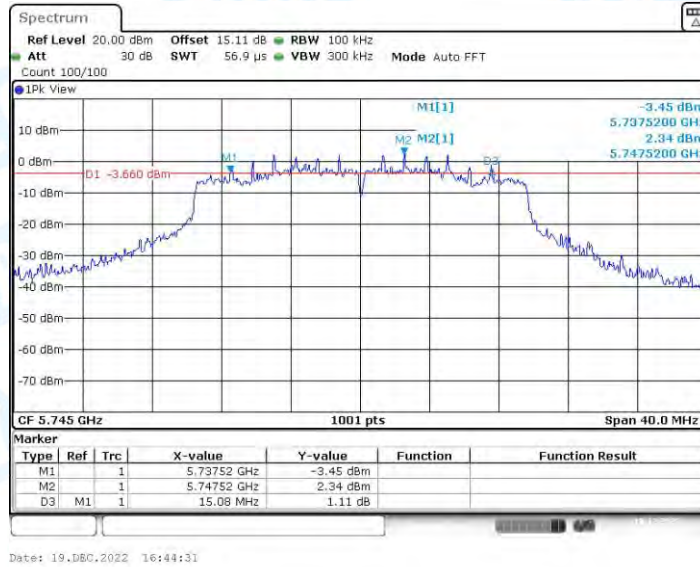
11AC80MIMO_Ant2_5775



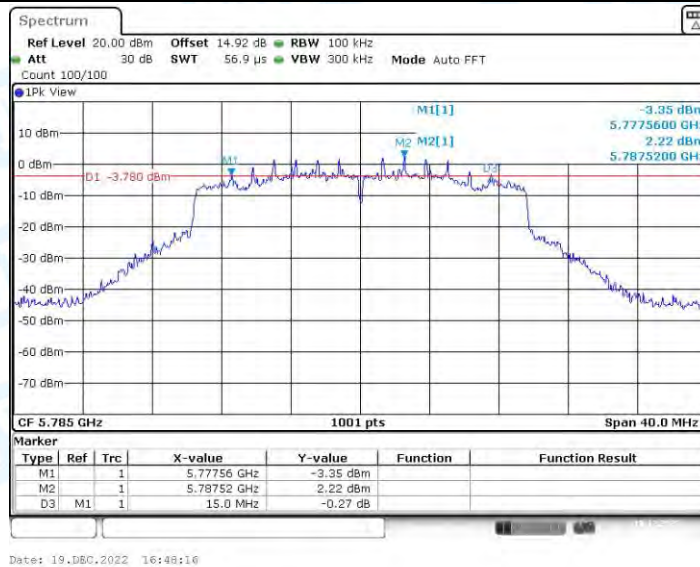
11AX20MIMO_Ant1_5745



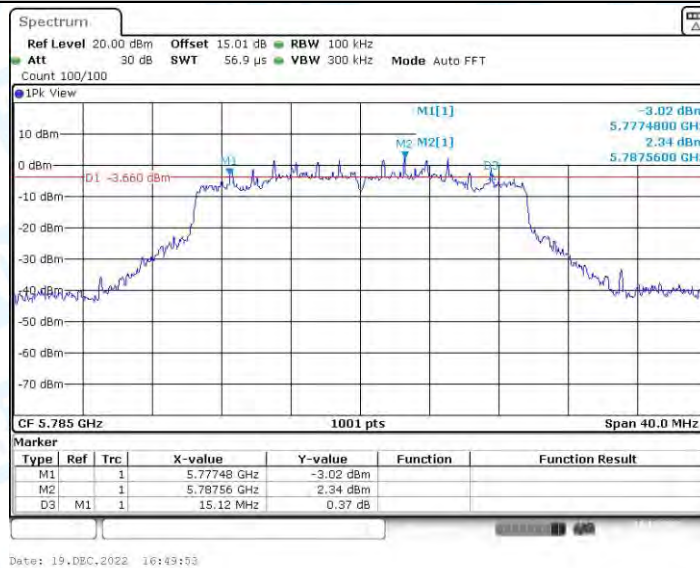
11AX20MIMO_Ant2_5745



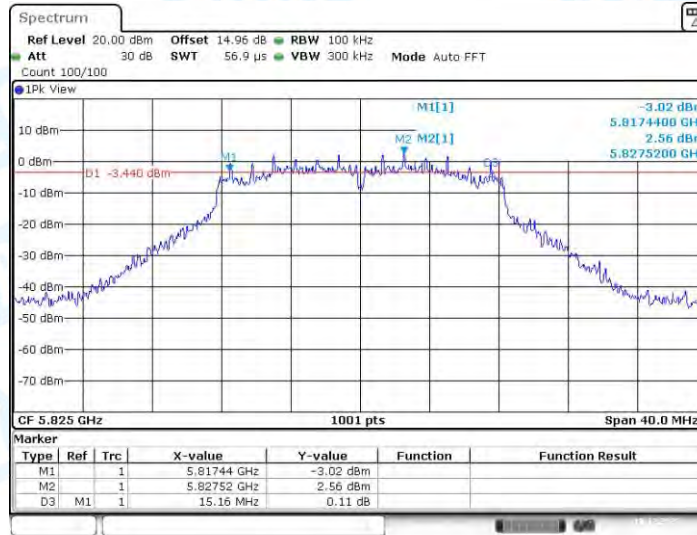
11AX20MIMO_Ant1_5785



11AX20MIMO_Ant2_5785

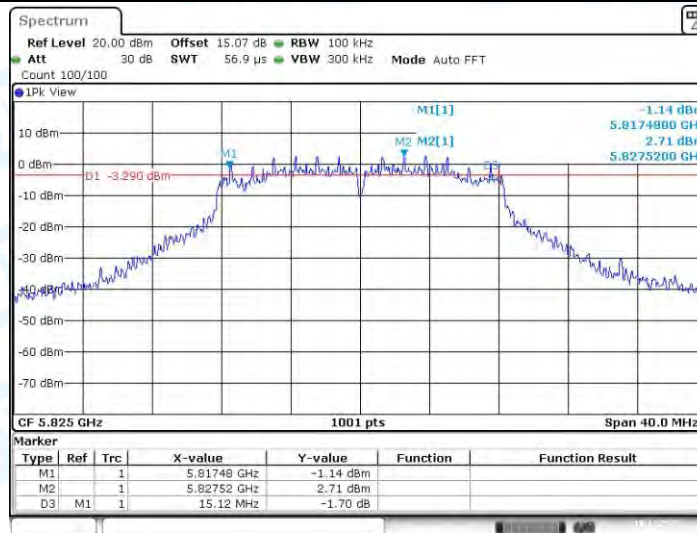


11AX20MIMO_Ant1_5825



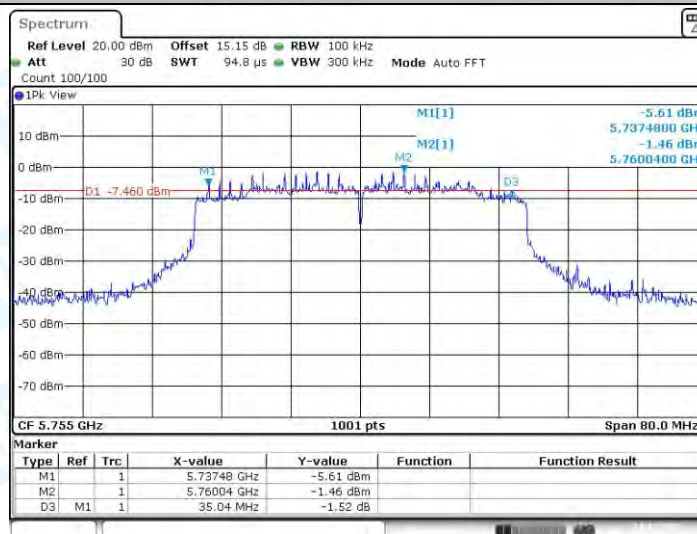
Date: 19.DEC.2022 17:02:09

11AX20MIMO_Ant2_5825



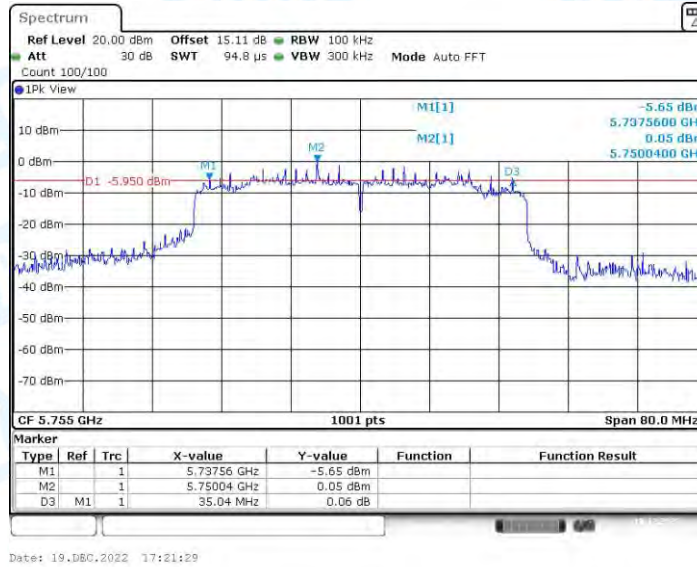
Date: 19.DEC.2022 17:02:18

11AX40MIMO_Ant1_5755

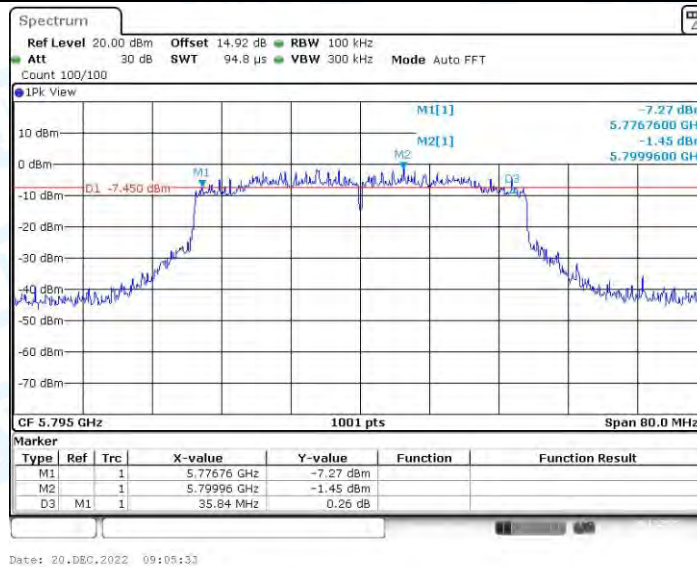


Date: 19.DEC.2022 17:18:39

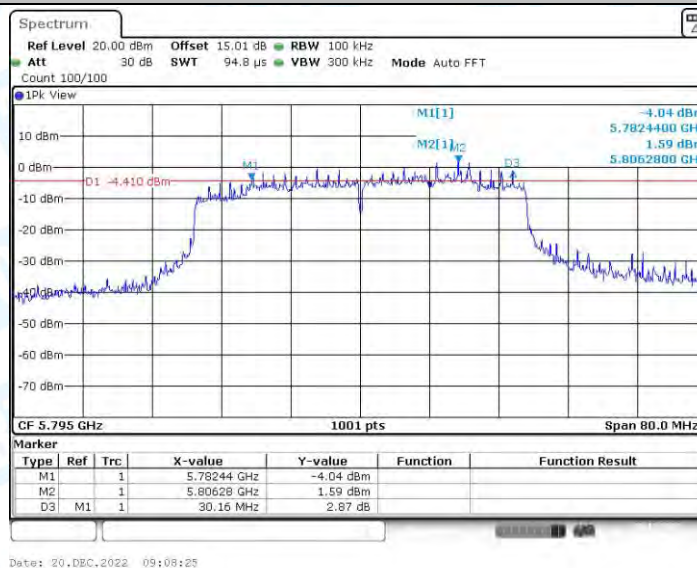
11AX40MIMO_Ant2_5755



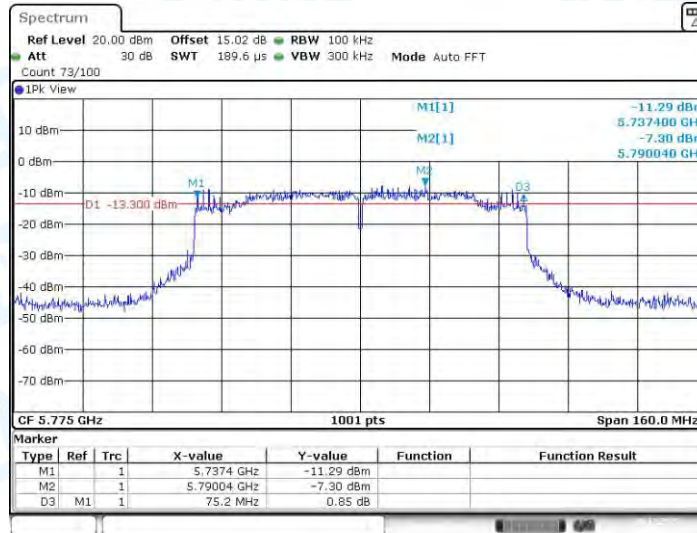
11AX40MIMO_Ant1_5795



11AX40MIMO_Ant2_5795

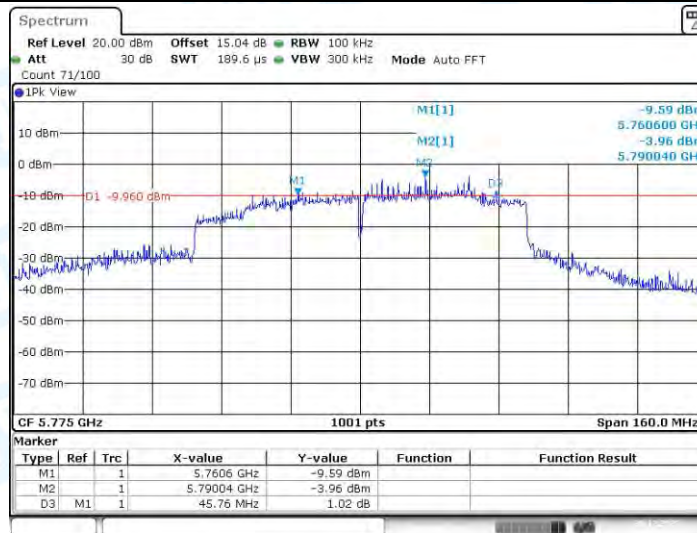


11AX80MIMO_Ant1_5775



Date: 20.DEC.2022 10:09:48

11AX80MIMO_Ant2_5775



Date: 20.DEC.2022 10:13:52

4. Maximum conducted output power

4.1. Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A-CDD	Ant1	5180	10.84	≤23.98	PASS
	Ant2	5180	10.29	≤23.98	PASS
	total	5180	13.58	≤23.98	PASS
	Ant1	5200	8.66	≤23.98	PASS
	Ant2	5200	8.28	≤23.98	PASS
	total	5200	11.48	≤23.98	PASS
	Ant1	5240	8.48	≤23.98	PASS
	Ant2	5240	8.36	≤23.98	PASS
	total	5240	11.43	≤23.98	PASS
	Ant1	5745	12.40	≤30.00	PASS
	Ant2	5745	10.62	≤30.00	PASS
	total	5745	14.61	≤29.73	PASS
	Ant1	5785	11.05	≤30.00	PASS
	Ant2	5785	10.41	≤30.00	PASS
	total	5785	13.75	≤29.73	PASS
	Ant1	5825	11.16	≤30.00	PASS
	Ant2	5825	10.45	≤30.00	PASS
	total	5825	13.83	≤29.73	PASS
11N20MIMO	Ant1	5180	11.03	≤23.98	PASS
	Ant2	5180	10.62	≤23.98	PASS
	total	5180	13.84	≤23.98	PASS
	Ant1	5200	10.99	≤23.98	PASS
	Ant2	5200	10.59	≤23.98	PASS
	total	5200	13.80	≤23.98	PASS
	Ant1	5240	11.36	≤23.98	PASS
	Ant2	5240	10.60	≤23.98	PASS
	total	5240	14.01	≤23.98	PASS
	Ant1	5745	10.88	≤30.00	PASS
	Ant2	5745	10.50	≤30.00	PASS
	total	5745	13.70	≤29.73	PASS
	Ant1	5785	11.19	≤30.00	PASS
	Ant2	5785	10.38	≤30.00	PASS
	total	5785	13.81	≤29.73	PASS
	Ant1	5825	11.32	≤30.00	PASS
	Ant2	5825	10.40	≤30.00	PASS
	total	5825	13.89	≤29.73	PASS
11N40MIMO	Ant1	5190	13.79	≤23.98	PASS
	Ant2	5190	13.60	≤23.98	PASS
	total	5190	16.71	≤23.98	PASS
	Ant1	5230	13.02	≤23.98	PASS

	Ant2	5230	11.90	≤23.98	PASS
	total	5230	15.51	≤23.98	PASS
	Ant1	5755	13.71	≤30.00	PASS
	Ant2	5755	13.48	≤30.00	PASS
	total	5755	16.61	≤29.73	PASS
	Ant1	5795	13.84	≤30.00	PASS
	Ant2	5795	13.34	≤30.00	PASS
	total	5795	16.61	≤29.73	PASS
11AC20MIMO	Ant1	5180	12.74	≤23.98	PASS
	Ant2	5180	12.64	≤23.98	PASS
	total	5180	15.70	≤23.98	PASS
	Ant1	5200	11.58	≤23.98	PASS
	Ant2	5200	11.81	≤23.98	PASS
	total	5200	14.71	≤23.98	PASS
	Ant1	5240	11.67	≤23.98	PASS
	Ant2	5240	11.82	≤23.98	PASS
	total	5240	14.76	≤23.98	PASS
	Ant1	5745	11.66	≤30.00	PASS
	Ant2	5745	11.86	≤30.00	PASS
	total	5745	14.77	≤29.73	PASS
	Ant1	5785	11.78	≤30.00	PASS
	Ant2	5785	11.77	≤30.00	PASS
	total	5785	14.79	≤29.73	PASS
	Ant1	5825	11.86	≤30.00	PASS
	Ant2	5825	11.74	≤30.00	PASS
	total	5825	14.81	≤29.73	PASS
11AC40MIMO	Ant1	5190	12.43	≤23.98	PASS
	Ant2	5190	12.41	≤23.98	PASS
	total	5190	15.43	≤23.98	PASS
	Ant1	5230	12.19	≤23.98	PASS
	Ant2	5230	11.88	≤23.98	PASS
	total	5230	15.05	≤23.98	PASS
	Ant1	5755	12.12	≤30.00	PASS
	Ant2	5755	12.22	≤30.00	PASS
	total	5755	15.18	≤29.73	PASS
	Ant1	5795	12.35	≤30.00	PASS
	Ant2	5795	12.10	≤30.00	PASS
	total	5795	15.24	≤29.73	PASS
11AC80MIMO	Ant1	5210	11.25	≤23.98	PASS
	Ant2	5210	11.19	≤23.98	PASS
	total	5210	14.23	≤23.98	PASS
	Ant1	5775	11.00	≤30.00	PASS
	Ant2	5775	9.54	≤30.00	PASS
	total	5775	13.34	≤29.73	PASS
11AX20MIMO	Ant1	5180	10.42	≤23.98	PASS

	Ant2	5180	10.52	≤23.98	PASS
	total	5180	13.48	≤23.98	PASS
	Ant1	5200	10.56	≤23.98	PASS
	Ant2	5200	10.55	≤23.98	PASS
	total	5200	13.57	≤23.98	PASS
	Ant1	5240	12.02	≤23.98	PASS
	Ant2	5240	11.81	≤23.98	PASS
	total	5240	14.93	≤23.98	PASS
	Ant1	5745	11.66	≤30.00	PASS
	Ant2	5745	11.78	≤30.00	PASS
	total	5745	14.73	≤29.73	PASS
	Ant1	5785	11.83	≤30.00	PASS
	Ant2	5785	11.59	≤30.00	PASS
	total	5785	14.72	≤29.73	PASS
	Ant1	5825	11.98	≤30.00	PASS
	Ant2	5825	11.67	≤30.00	PASS
	total	5825	14.84	≤29.73	PASS
11AX40MIMO	Ant1	5190	12.34	≤23.98	PASS
	Ant2	5190	12.26	≤23.98	PASS
	total	5190	15.31	≤23.98	PASS
	Ant1	5230	12.32	≤23.98	PASS
	Ant2	5230	11.61	≤23.98	PASS
	total	5230	14.99	≤23.98	PASS
	Ant1	5755	12.07	≤30.00	PASS
	Ant2	5755	12.07	≤30.00	PASS
	total	5755	15.08	≤29.73	PASS
	Ant1	5795	13.33	≤30.00	PASS
	Ant2	5795	13.47	≤30.00	PASS
	total	5795	16.41	≤29.73	PASS
11AX80MIMO	Ant1	5210	13.62	≤23.98	PASS
	Ant2	5210	14.10	≤23.98	PASS
	total	5210	16.88	≤23.98	PASS
	Ant1	5775	12.03	≤30.00	PASS
	Ant2	5775	12.37	≤30.00	PASS
	total	5775	15.21	≤29.73	PASS

Note: The Duty Cycle Factor is compensated in the graph.

The ANT. 1 and ANT. 2 will transmitting simultaneously for the 802.11a/n/ac/ax Mode,
 the T Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / NANT] = 6.27\text{dBi} > 6\text{dBi}$.
 So $P_{out} = P_{limit} - (G_{TX} - 6) = 30 - 0.27 = 29.73\text{dBm}$

5. Maximum power spectral density

5.1. Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A-CDD	Ant1	5180	1	≤11.00	PASS
	Ant2	5180	1.54	≤11.00	PASS
	total	5180	4.29	≤11.00	PASS
	Ant1	5200	-1.83	≤11.00	PASS
	Ant2	5200	-0.98	≤11.00	PASS
	total	5200	1.63	≤11.00	PASS
	Ant1	5240	-2.11	≤11.00	PASS
	Ant2	5240	-1.45	≤11.00	PASS
	total	5240	1.24	≤11.00	PASS
	Ant1	5745	0.09	≤30.00	PASS
	Ant2	5745	-1.62	≤30.00	PASS
	total	5745	2.33	≤29.73	PASS
	Ant1	5785	-2.18	≤30.00	PASS
	Ant2	5785	-1.88	≤30.00	PASS
	total	5785	0.98	≤29.73	PASS
	Ant1	5825	-1.09	≤30.00	PASS
	Ant2	5825	-1.23	≤30.00	PASS
	total	5825	1.85	≤29.73	PASS
11N20MIMO	Ant1	5180	1.61	≤11.00	PASS
	Ant2	5180	1.76	≤11.00	PASS
	total	5180	4.70	≤11.00	PASS
	Ant1	5200	1.31	≤11.00	PASS
	Ant2	5200	1.71	≤11.00	PASS
	total	5200	4.52	≤11.00	PASS
	Ant1	5240	1.92	≤11.00	PASS
	Ant2	5240	1.12	≤11.00	PASS
	total	5240	4.55	≤11.00	PASS
	Ant1	5745	-2.51	≤30.00	PASS
	Ant2	5745	-1.65	≤30.00	PASS
	total	5745	0.95	≤29.73	PASS
	Ant1	5785	-2.5	≤30.00	PASS
	Ant2	5785	-2.68	≤30.00	PASS
	total	5785	0.42	≤29.73	PASS
	Ant1	5825	-1.42	≤30.00	PASS
	Ant2	5825	-1.95	≤30.00	PASS
	total	5825	1.33	≤29.73	PASS
11N40MIMO	Ant1	5190	1.03	≤11.00	PASS
	Ant2	5190	1.99	≤11.00	PASS
	total	5190	4.55	≤11.00	PASS

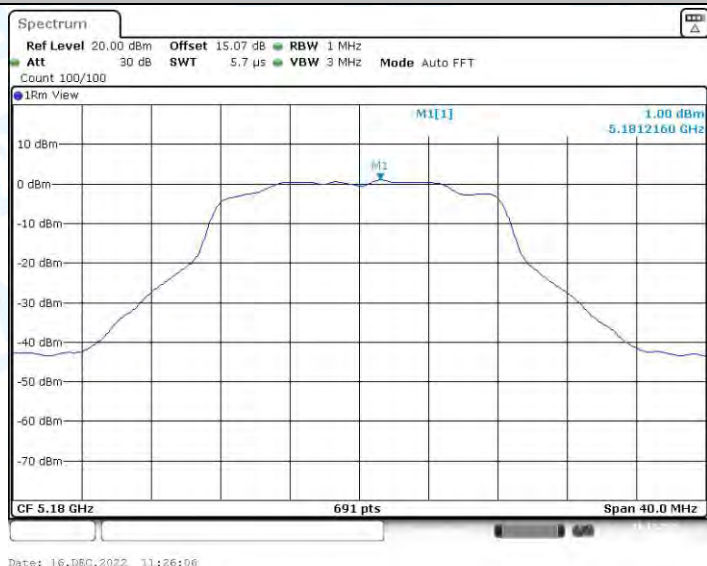
	Ant1	5230	-0.08	≤11.00	PASS
	Ant2	5230	-0.84	≤11.00	PASS
	total	5230	2.57	≤11.00	PASS
	Ant1	5755	-2.22	≤30.00	PASS
	Ant2	5755	-1.94	≤30.00	PASS
	total	5755	0.93	≤29.73	PASS
	Ant1	5795	-1.63	≤30.00	PASS
	Ant2	5795	-1.34	≤30.00	PASS
	total	5795	1.53	≤29.73	PASS
11AC20MIMO	Ant1	5180	3.42	≤11.00	PASS
	Ant2	5180	3.87	≤11.00	PASS
	total	5180	6.66	≤11.00	PASS
	Ant1	5200	1.77	≤11.00	PASS
	Ant2	5200	2.63	≤11.00	PASS
	total	5200	5.23	≤11.00	PASS
	Ant1	5240	1.89	≤11.00	PASS
	Ant2	5240	2.35	≤11.00	PASS
	total	5240	5.14	≤11.00	PASS
	Ant1	5745	-2.48	≤30.00	PASS
	Ant2	5745	-1.29	≤30.00	PASS
	total	5745	1.17	≤29.73	PASS
	Ant1	5785	-2.2	≤30.00	PASS
	Ant2	5785	-1.63	≤30.00	PASS
	total	5785	1.10	≤29.73	PASS
	Ant1	5825	-1.79	≤30.00	PASS
	Ant2	5825	-0.47	≤30.00	PASS
	total	5825	1.93	≤29.73	PASS
11AC40MIMO	Ant1	5190	-0.57	≤11.00	PASS
	Ant2	5190	1.03	≤11.00	PASS
	total	5190	3.31	≤11.00	PASS
	Ant1	5230	-1.09	≤11.00	PASS
	Ant2	5230	-1.11	≤11.00	PASS
	total	5230	1.91	≤11.00	PASS
	Ant1	5755	-4.03	≤30.00	PASS
	Ant2	5755	-3.58	≤30.00	PASS
	total	5755	-0.79	≤29.73	PASS
	Ant1	5795	-3.93	≤30.00	PASS
	Ant2	5795	-2.86	≤30.00	PASS
	total	5795	-0.35	≤29.73	PASS
11AC80MIMO	Ant1	5210	-4.96	≤11.00	PASS
	Ant2	5210	-4.08	≤11.00	PASS
	total	5210	-1.49	≤11.00	PASS
	Ant1	5775	-7.99	≤30.00	PASS
	Ant2	5775	-8.59	≤30.00	PASS
	total	5775	-5.27	≤29.73	PASS

11AX20MIMO	Ant1	5180	0.26	≤11.00	PASS
	Ant2	5180	1.06	≤11.00	PASS
	total	5180	3.69	≤11.00	PASS
	Ant1	5200	0.65	≤11.00	PASS
	Ant2	5200	1.25	≤11.00	PASS
	total	5200	3.97	≤11.00	PASS
	Ant1	5240	2.12	≤11.00	PASS
	Ant2	5240	1.89	≤11.00	PASS
	total	5240	5.02	≤11.00	PASS
	Ant1	5745	-1.89	≤30.00	PASS
	Ant2	5745	-0.95	≤30.00	PASS
	total	5745	1.62	≤29.73	PASS
	Ant1	5785	-1.78	≤30.00	PASS
	Ant2	5785	-1.39	≤30.00	PASS
	total	5785	1.43	≤29.73	PASS
	Ant1	5825	-0.76	≤30.00	PASS
	Ant2	5825	-0.03	≤30.00	PASS
	total	5825	2.63	≤29.73	PASS
11AX40MIMO	Ant1	5190	-1.02	≤11.00	PASS
	Ant2	5190	0.03	≤11.00	PASS
	total	5190	2.55	≤11.00	PASS
	Ant1	5230	-0.89	≤11.00	PASS
	Ant2	5230	-1.22	≤11.00	PASS
	total	5230	1.96	≤11.00	PASS
	Ant1	5755	-4.68	≤30.00	PASS
	Ant2	5755	-3.54	≤30.00	PASS
	total	5755	-1.06	≤29.73	PASS
	Ant1	5795	-2.76	≤30.00	PASS
	Ant2	5795	-1.67	≤30.00	PASS
	total	5795	0.83	≤29.73	PASS
11AX80MIMO	Ant1	5210	-1.83	≤11.00	PASS
	Ant2	5210	-0.4	≤11.00	PASS
	total	5210	1.95	≤11.00	PASS
	Ant1	5775	-6.89	≤30.00	PASS
	Ant2	5775	-6.35	≤30.00	PASS
	total	5775	-3.60	≤29.73	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.
 3.The ANT. 1 and ANT. 2 will transmitting simultaneously for the 802.11a/n/ac/ax Mode,
 the T Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/NANT]$ = 6.27dBi > 6dBi.
 So $P_{out} = P_{limit} - (G_{TX} - 6) = 30 - 0.27 = 29.73\text{dBm}$

5.2. 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



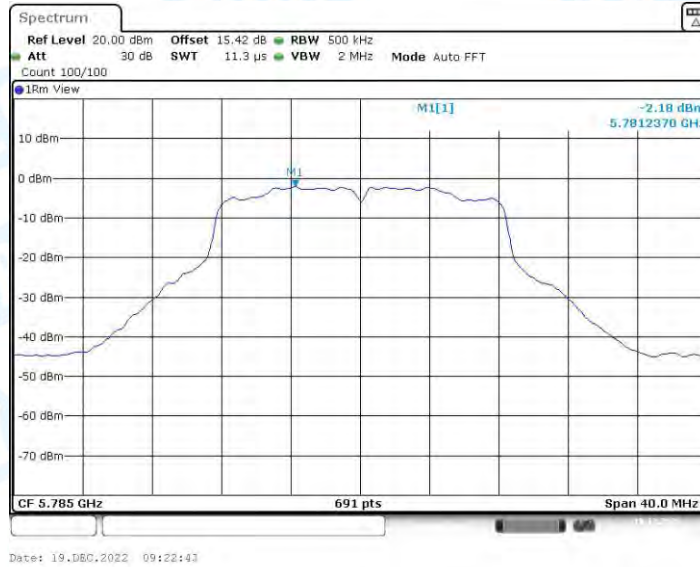
11A-CDD_Ant1_5745



11A-CDD_Ant2_5745



11A-CDD_Ant1_5785



11A-CDD_Ant2_5785



11A-CDD_Ant1_5825



11A-CDD_Ant2_5825



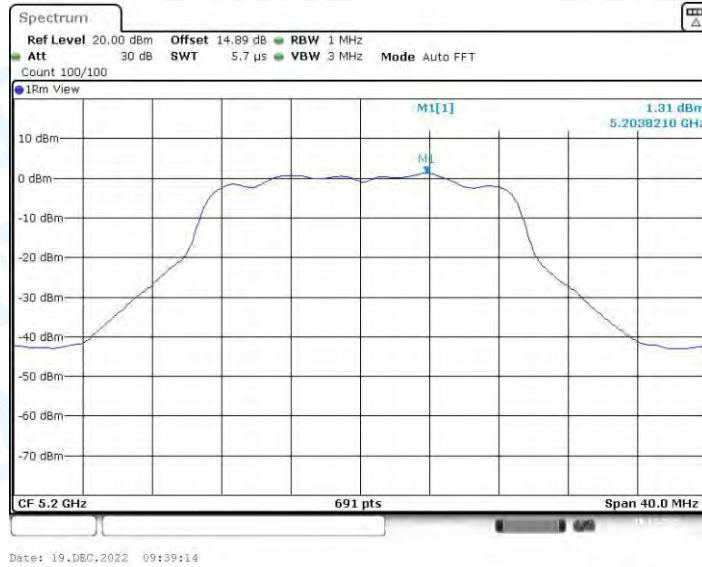
11N20MIMO_Ant1_5180



11N20MIMO_Ant2_5180



11N20MIMO_Ant1_5200



11N20MIMO_Ant2_5200



11N20MIMO_Ant1_5240



11N20MIMO_Ant2_5240