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

General Description of EUT	
Product Name:	Wireless Bridge
Test Model:	DLB 5-23ac DISH
Sample ID:	HC-C-202401-0239-01-01-2#
Environmental Conditions	
Temperature:	23.8℃
Relative Humidity:	48%
Test Voltage:	DC 24V
Test Engineer:	ZKN Zhou
Note: For a more detailed features description, please refer to the report TBR-C-202401-0239-3	

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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	19.28	5170.28	5189.56	---	---
	Ant2	5180	19.76	5170.24	5190.00	---	---
	Ant1	5200	19.64	5190.12	5209.76	---	---
	Ant2	5200	19.36	5189.96	5209.32	---	---
	Ant1	5240	19.44	5230.32	5249.76	---	---
	Ant2	5240	19.64	5230.04	5249.68	---	---
	Ant1	5260	19.32	5250.24	5269.56	---	---
	Ant2	5260	19.68	5250.00	5269.68	---	---
	Ant1	5280	19.08	5270.40	5289.48	---	---
	Ant2	5280	19.20	5270.28	5289.48	---	---
	Ant1	5320	20.04	5309.80	5329.84	---	---
	Ant2	5320	19.24	5310.44	5329.68	---	---
	Ant1	5500	19.76	5489.84	5509.60	---	---
	Ant2	5500	19.72	5490.24	5509.96	---	---
	Ant1	5580	19.96	5570.08	5590.04	---	---
	Ant2	5580	19.40	5570.28	5589.68	---	---
	Ant1	5700	21.44	5688.88	5710.32	---	---
	Ant2	5700	21.88	5688.52	5710.40	---	---
11N20-MIMO	Ant1	5180	20.36	5169.76	5190.12	---	---
	Ant2	5180	20.80	5169.52	5190.32	---	---
	Ant1	5200	20.56	5189.60	5210.16	---	---
	Ant2	5200	20.12	5189.84	5209.96	---	---
	Ant1	5240	20.32	5229.76	5250.08	---	---
	Ant2	5240	20.76	5229.56	5250.32	---	---
	Ant1	5260	20.20	5249.80	5270.00	---	---
	Ant2	5260	20.60	5249.68	5270.28	---	---
	Ant1	5280	20.64	5269.68	5290.32	---	---
	Ant2	5280	20.28	5269.72	5290.00	---	---
	Ant1	5320	20.00	5309.76	5329.76	---	---
	Ant2	5320	20.28	5309.80	5330.08	---	---
	Ant1	5500	20.36	5489.60	5509.96	---	---
	Ant2	5500	19.88	5490.08	5509.96	---	---
	Ant1	5580	20.44	5569.68	5590.12	---	---
	Ant2	5580	20.24	5569.76	5590.00	---	---
	Ant1	5700	21.24	5689.04	5710.28	---	---
	Ant2	5700	21.12	5689.08	5710.20	---	---
11N40-MIMO	Ant1	5190	39.84	5170.00	5209.84	---	---
	Ant2	5190	40.00	5169.68	5209.68	---	---
	Ant1	5230	40.16	5210.08	5250.24	---	---
	Ant2	5230	39.52	5210.16	5249.68	---	---
	Ant1	5270	39.68	5249.84	5289.52	---	---

	Ant2	5270	39.60	5250.16	5289.76	---	---
	Ant1	5310	39.76	5290.00	5329.76	---	---
	Ant2	5310	40.24	5290.08	5330.32	---	---
	Ant1	5510	40.24	5489.68	5529.92	---	---
	Ant2	5510	40.00	5490.00	5530.00	---	---
	Ant1	5550	39.92	5529.84	5569.76	---	---
	Ant2	5550	40.16	5529.76	5569.92	---	---
	Ant1	5670	40.40	5649.36	5689.76	---	---
	Ant2	5670	40.00	5649.76	5689.76	---	---
11AC20-MIMO	Ant1	5180	20.68	5169.48	5190.16	---	---
	Ant2	5180	20.12	5169.92	5190.04	---	---
	Ant1	5200	20.56	5189.80	5210.36	---	---
	Ant2	5200	20.56	5189.80	5210.36	---	---
	Ant1	5240	20.52	5229.60	5250.12	---	---
	Ant2	5240	20.20	5229.84	5250.04	---	---
	Ant1	5260	20.00	5249.80	5269.80	---	---
	Ant2	5260	20.40	5249.68	5270.08	---	---
	Ant1	5280	20.36	5269.76	5290.12	---	---
	Ant2	5280	20.72	5269.52	5290.24	---	---
	Ant1	5320	20.28	5309.72	5330.00	---	---
	Ant2	5320	20.68	5309.52	5330.20	---	---
	Ant1	5500	20.36	5489.60	5509.96	---	---
	Ant2	5500	20.60	5489.48	5510.08	---	---
	Ant1	5580	21.00	5569.40	5590.40	---	---
	Ant2	5580	20.60	5569.72	5590.32	---	---
	Ant1	5700	21.32	5688.92	5710.24	---	---
	Ant2	5700	21.32	5688.84	5710.16	---	---
11AC40-MIMO	Ant1	5190	40.40	5169.76	5210.16	---	---
	Ant2	5190	39.92	5170.32	5210.24	---	---
	Ant1	5230	40.64	5209.68	5250.32	---	---
	Ant2	5230	40.08	5210.08	5250.16	---	---
	Ant1	5270	39.84	5250.32	5290.16	---	---
	Ant2	5270	40.16	5249.92	5290.08	---	---
	Ant1	5310	40.00	5290.16	5330.16	---	---
	Ant2	5310	39.84	5289.92	5329.76	---	---
	Ant1	5510	40.08	5489.60	5529.68	---	---
	Ant2	5510	39.76	5490.16	5529.92	---	---
	Ant1	5550	40.24	5529.68	5569.92	---	---
	Ant2	5550	40.08	5529.84	5569.92	---	---
	Ant1	5670	39.52	5650.08	5689.60	---	---
	Ant2	5670	39.92	5649.84	5689.76	---	---
11AC80-MIMO	Ant1	5210	83.20	5168.72	5251.92	---	---
	Ant2	5210	83.84	5168.24	5252.08	---	---
	Ant1	5290	82.72	5248.88	5331.60	---	---
	Ant2	5290	83.04	5248.08	5331.12	---	---

	Ant1	5530	83.52	5488.40	5571.92	---	---
	Ant2	5530	84.48	5488.08	5572.56	---	---
	Ant1	5610	82.08	5568.56	5650.64	---	---
	Ant2	5610	83.36	5568.24	5651.60	---	---

1.2.Test Graphs

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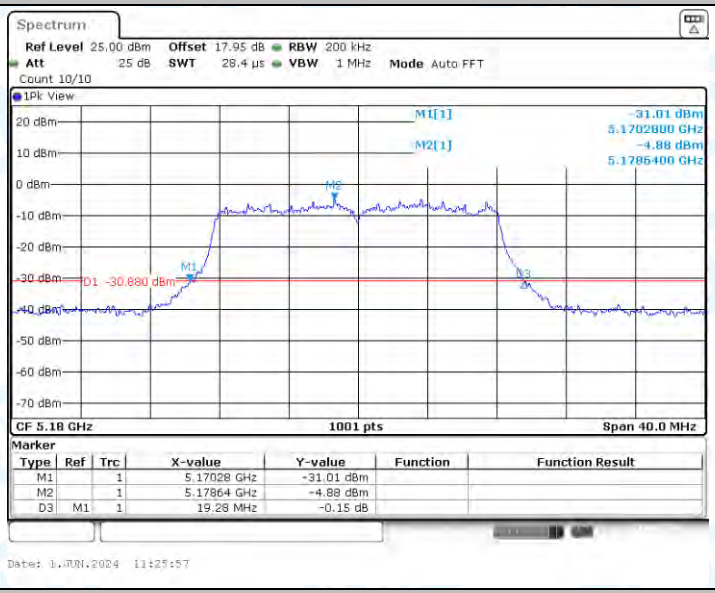

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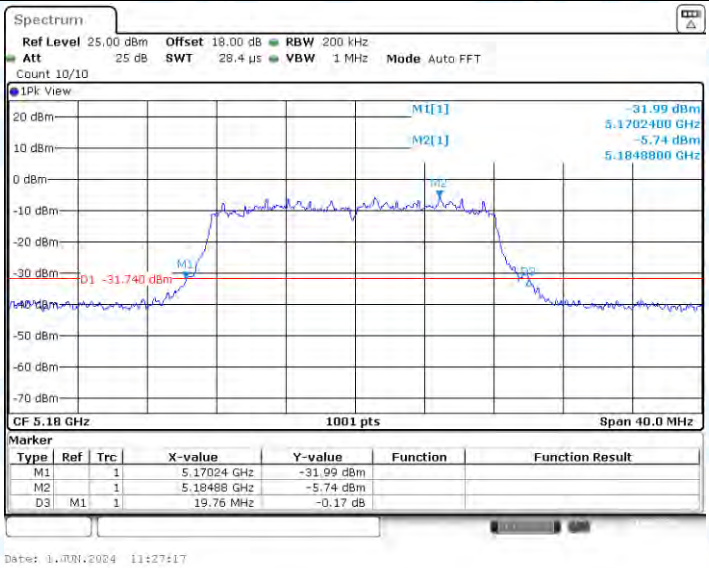

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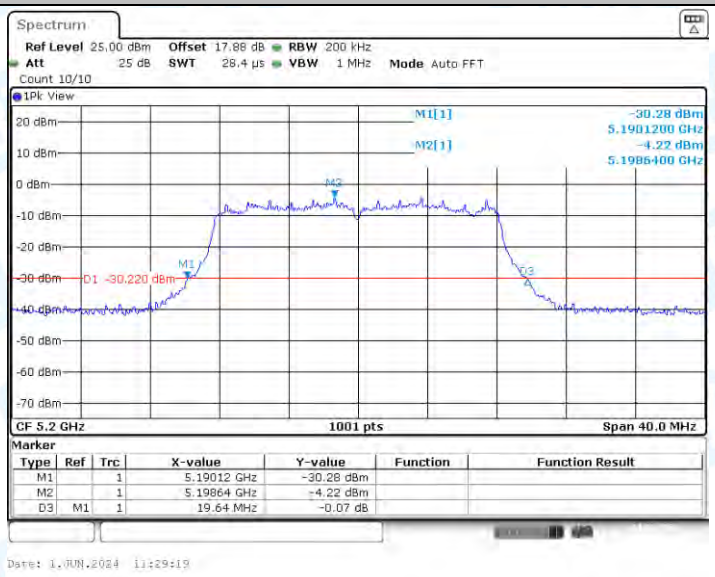

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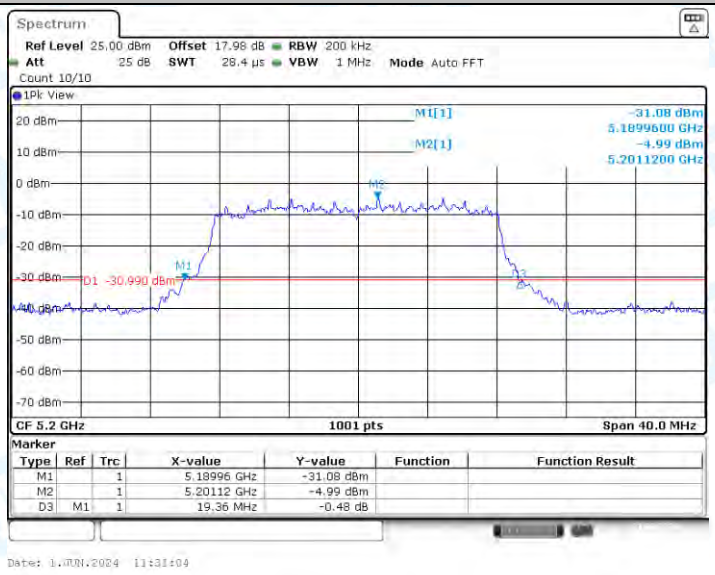

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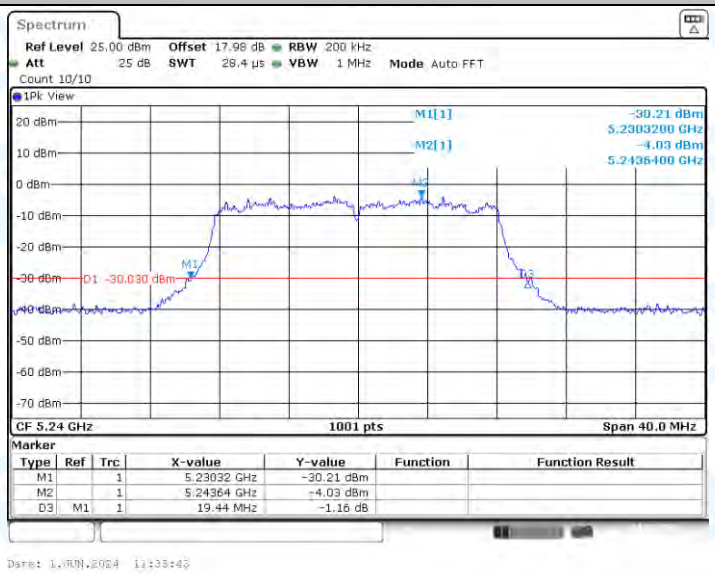

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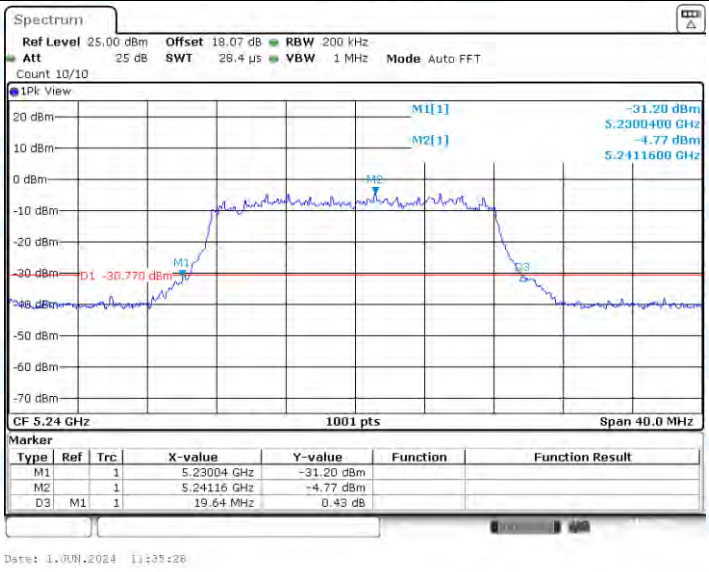

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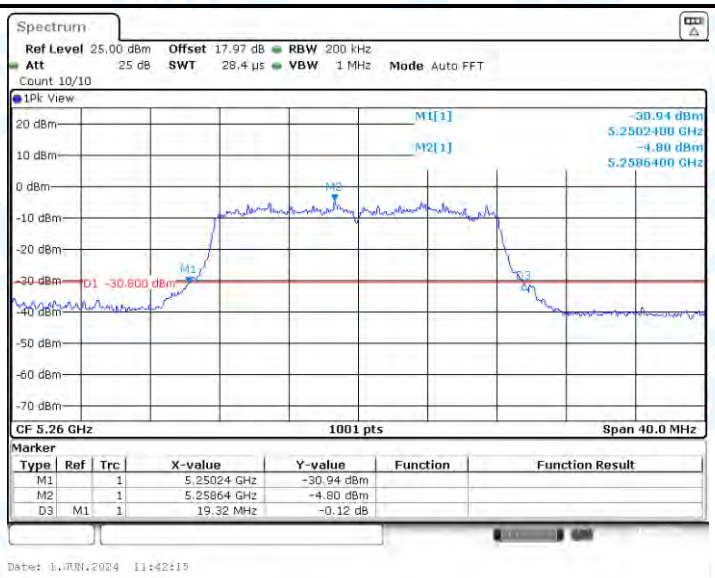

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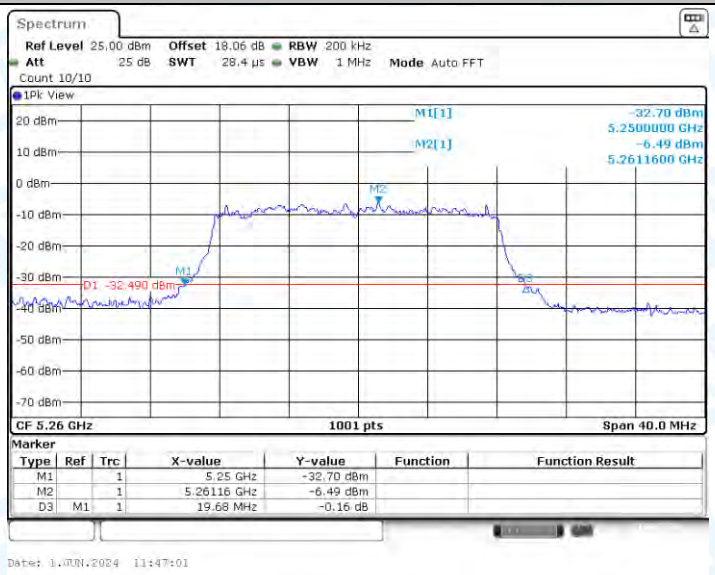

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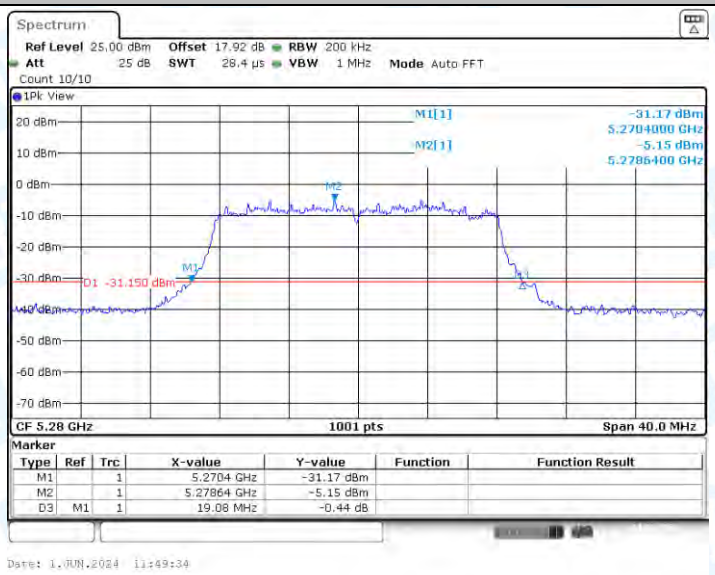

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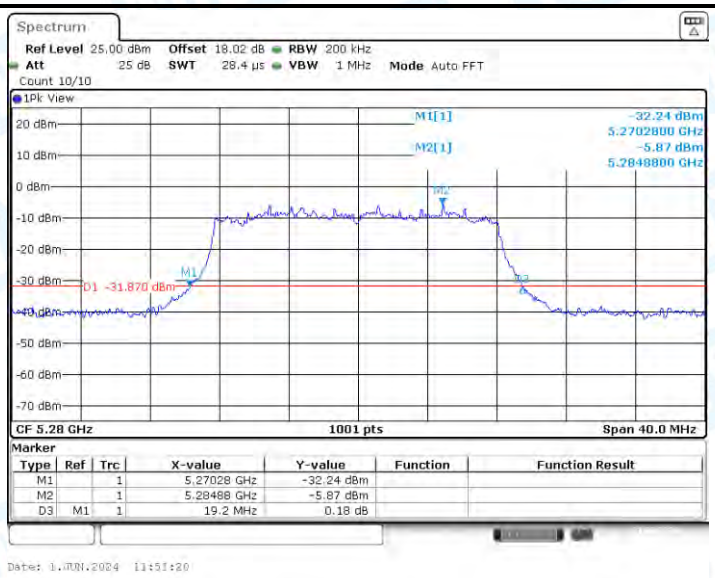

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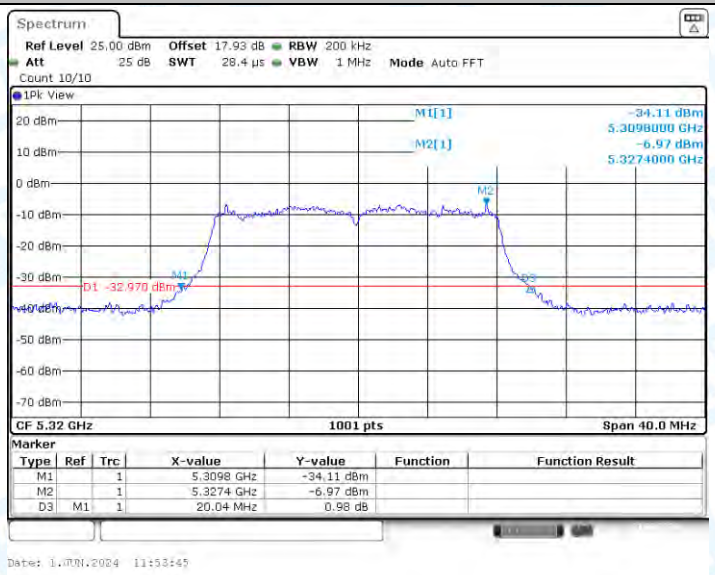

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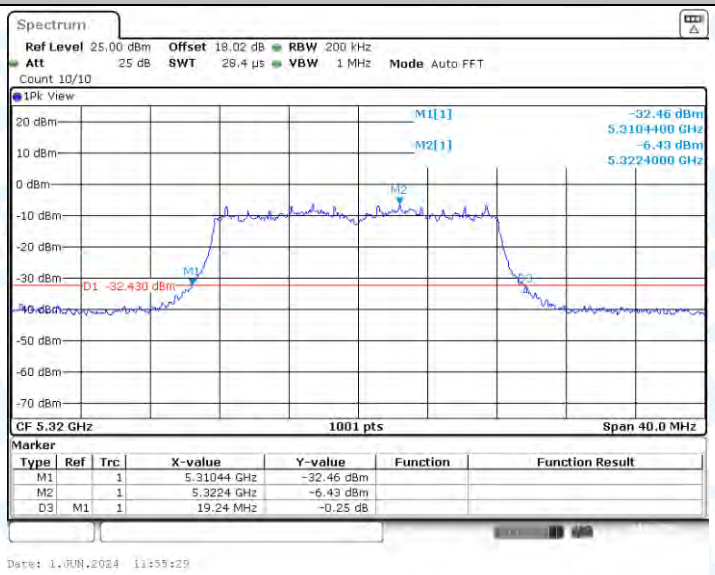

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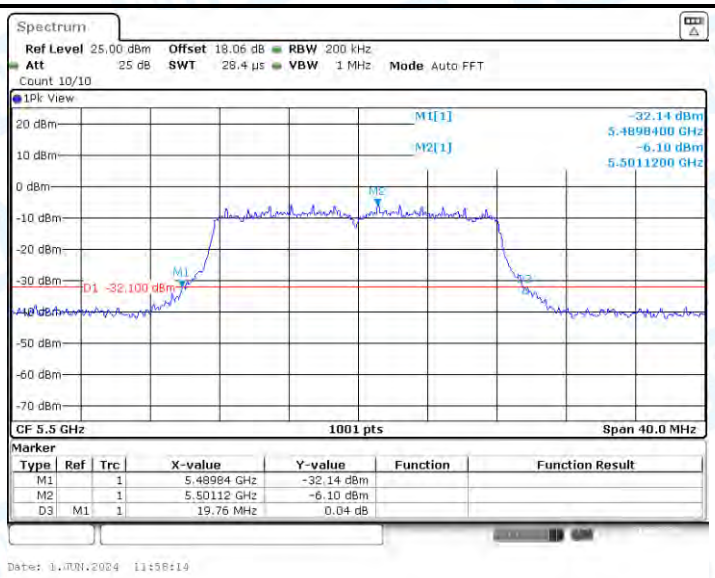

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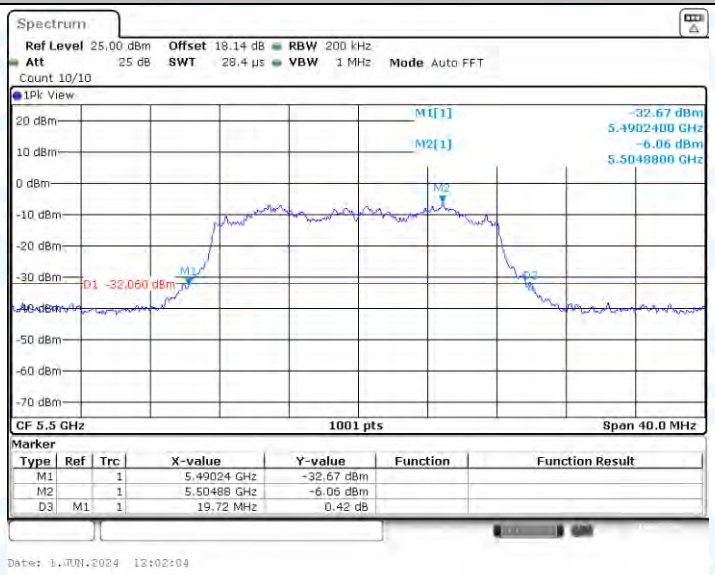

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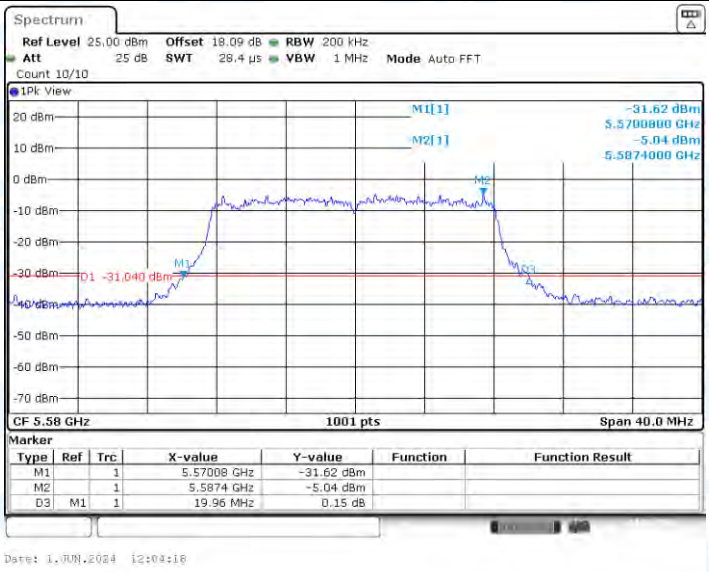

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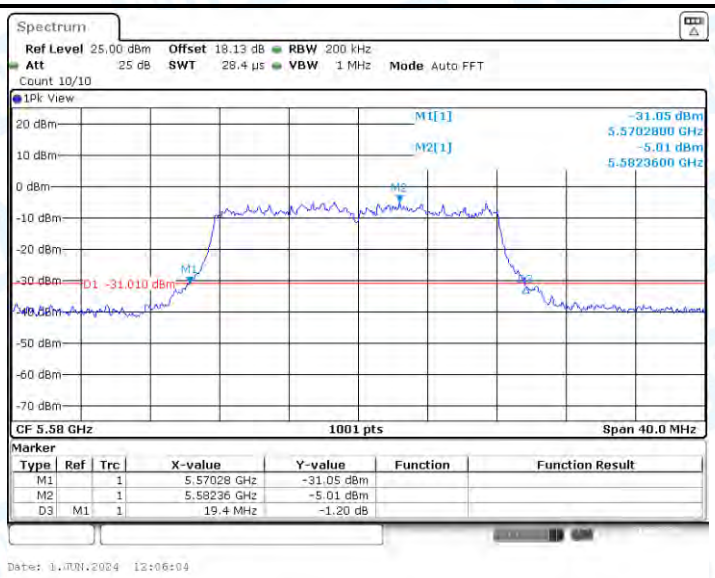

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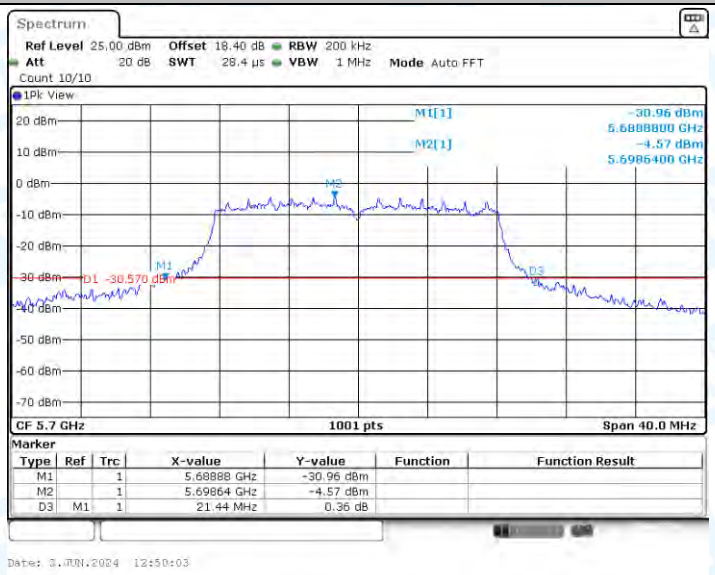

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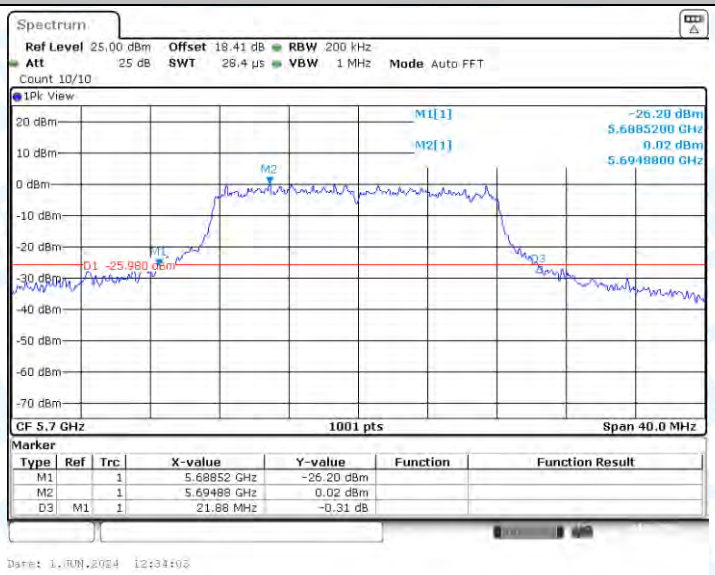

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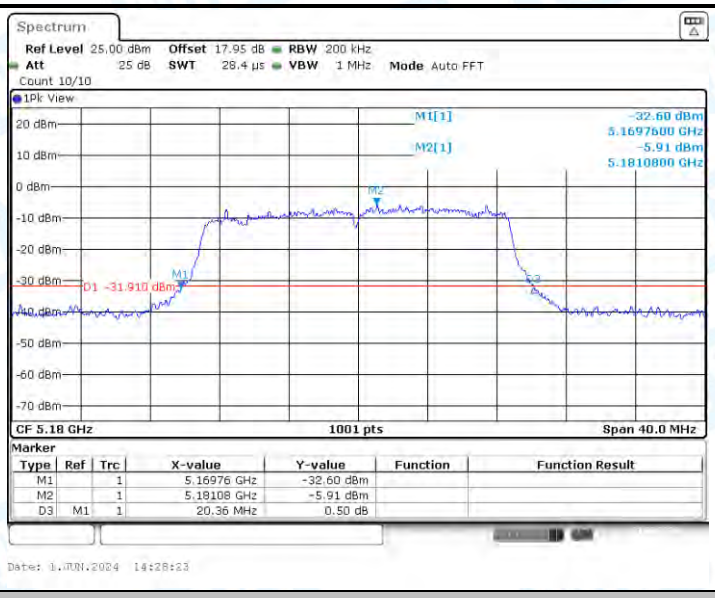

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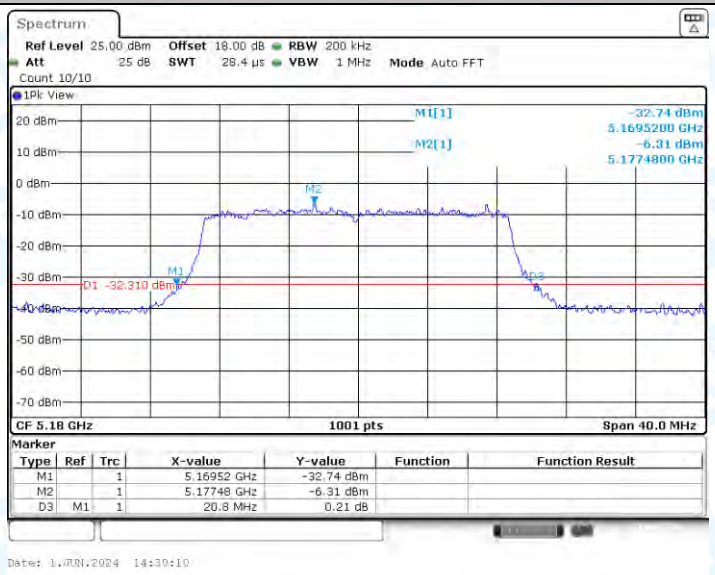

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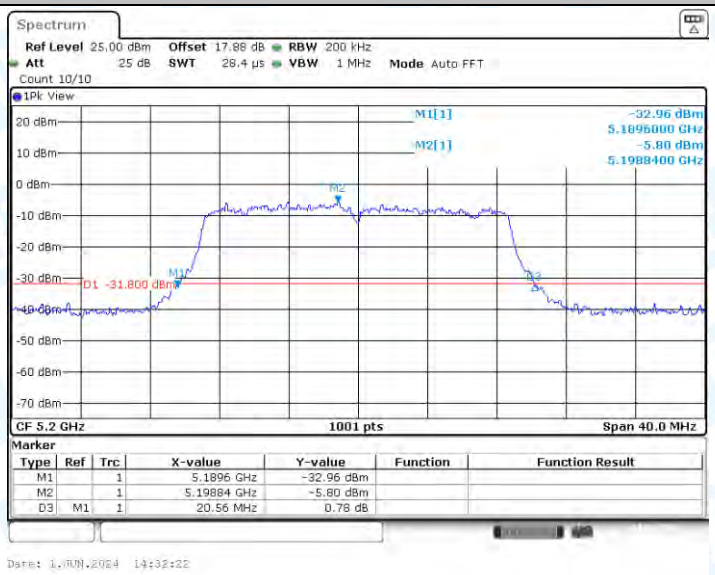

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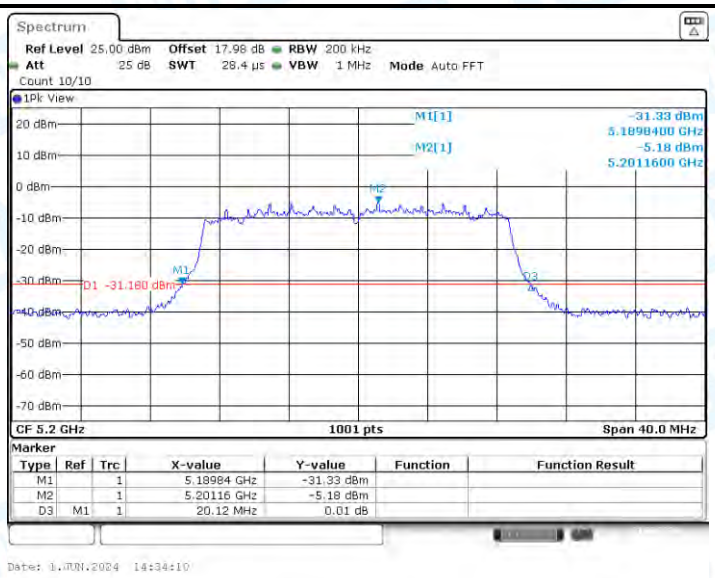

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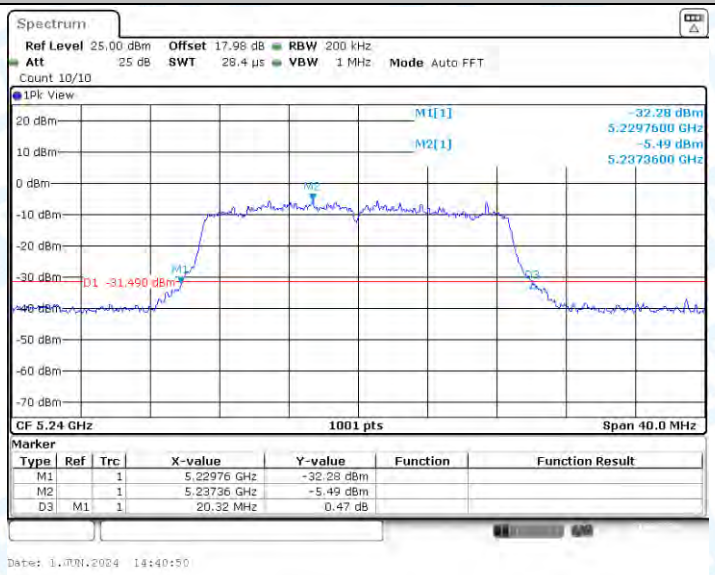

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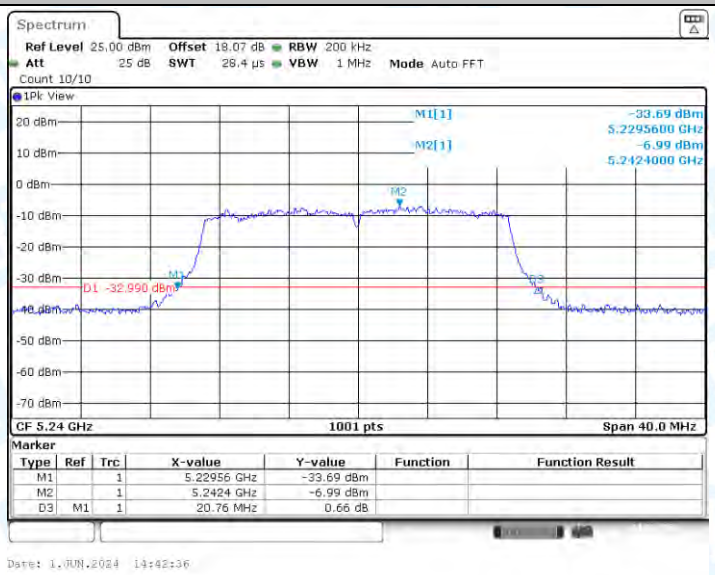

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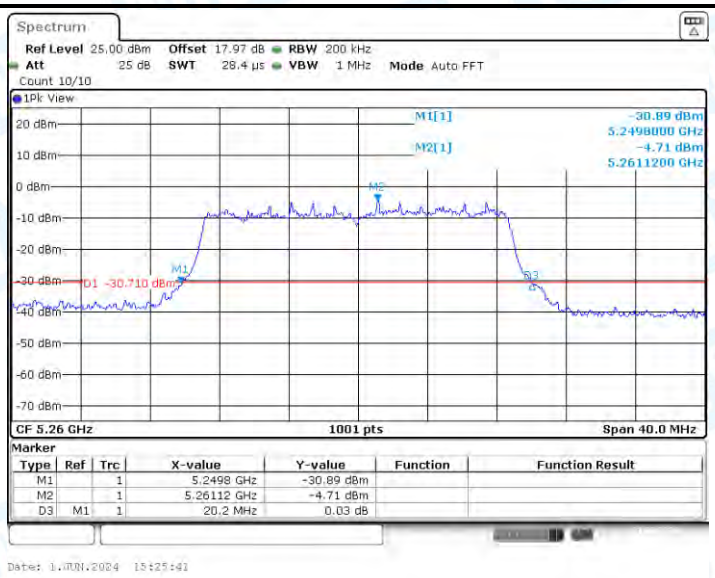

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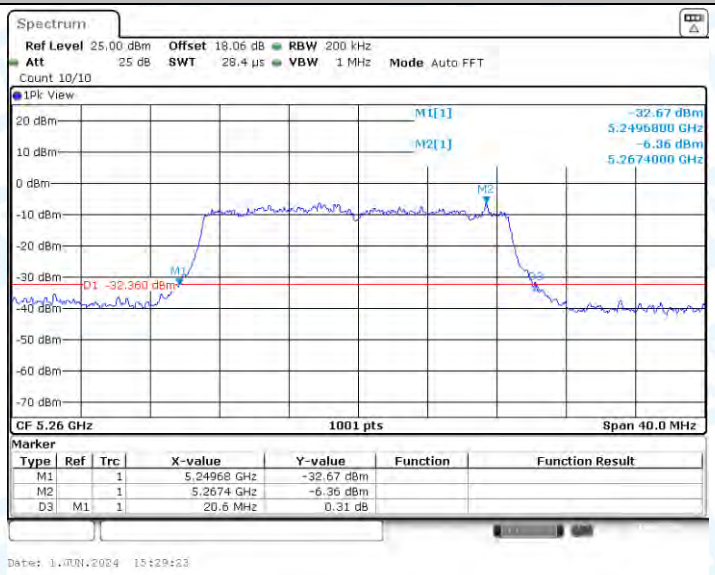

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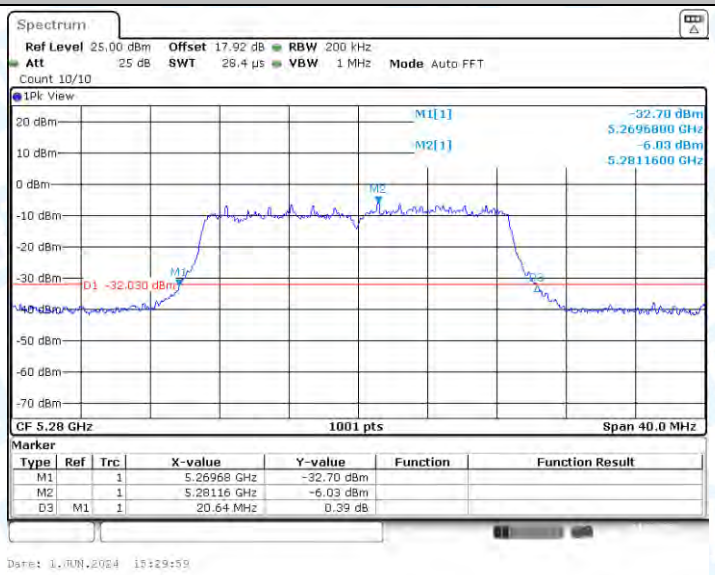

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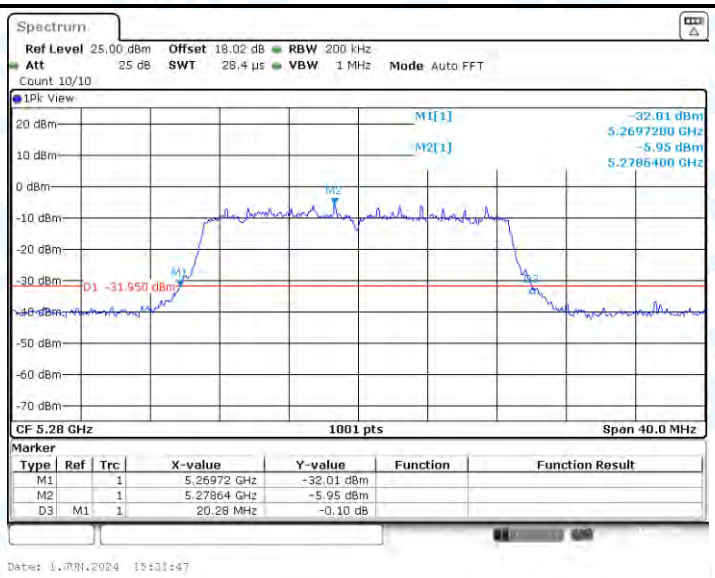

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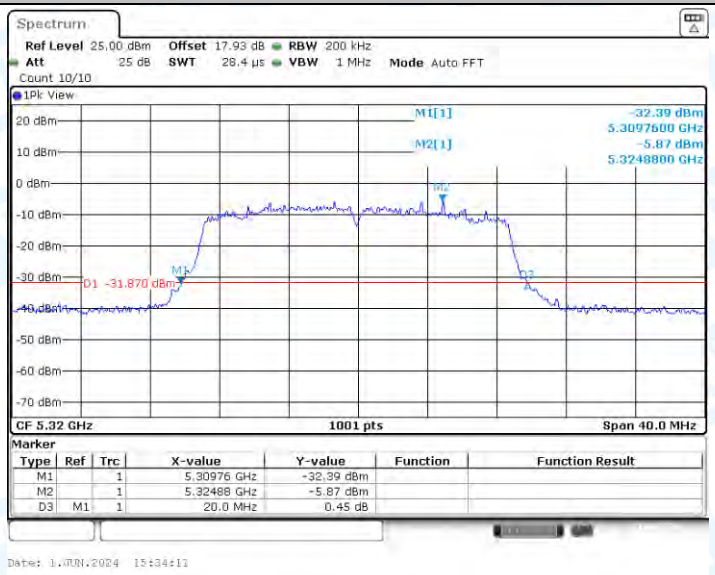

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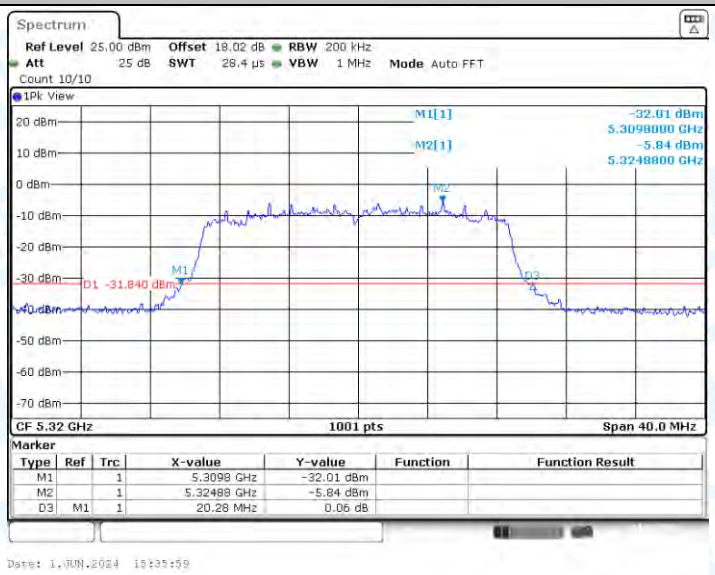

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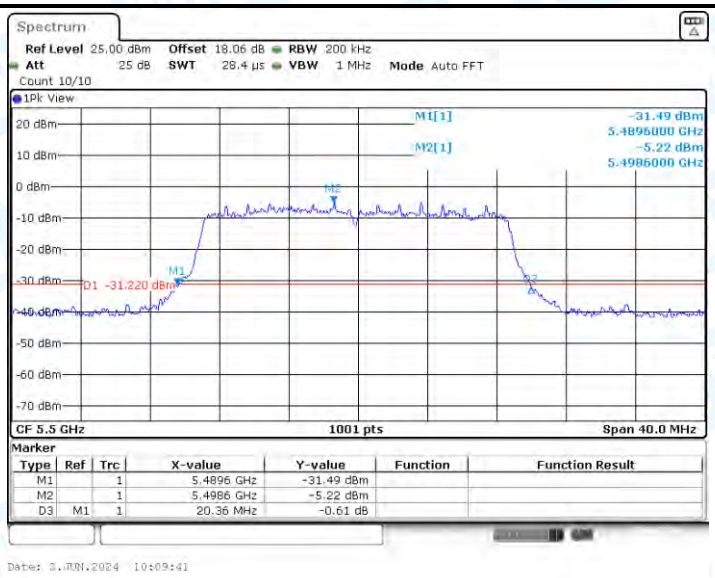

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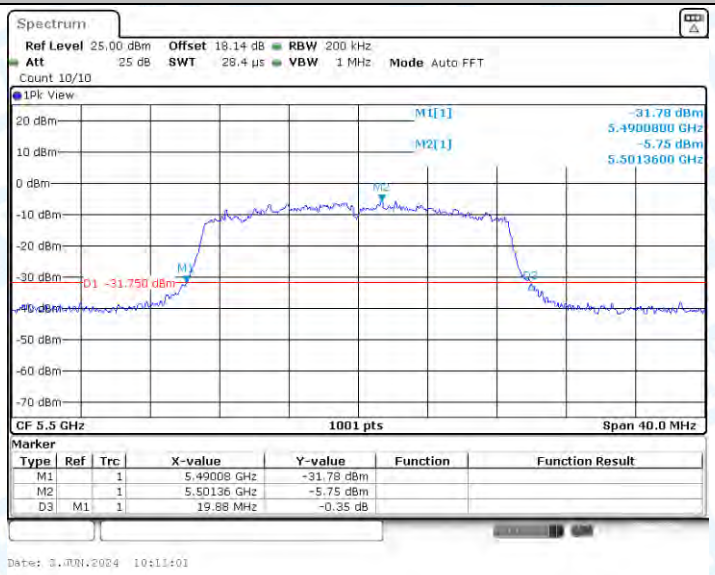

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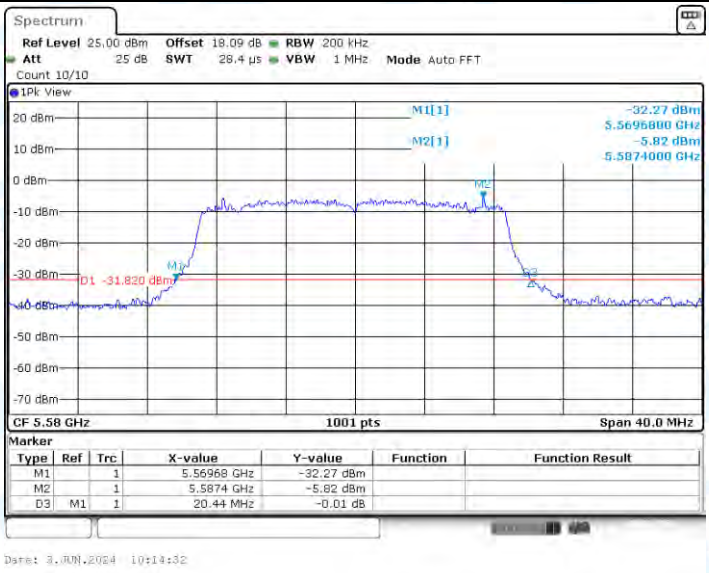

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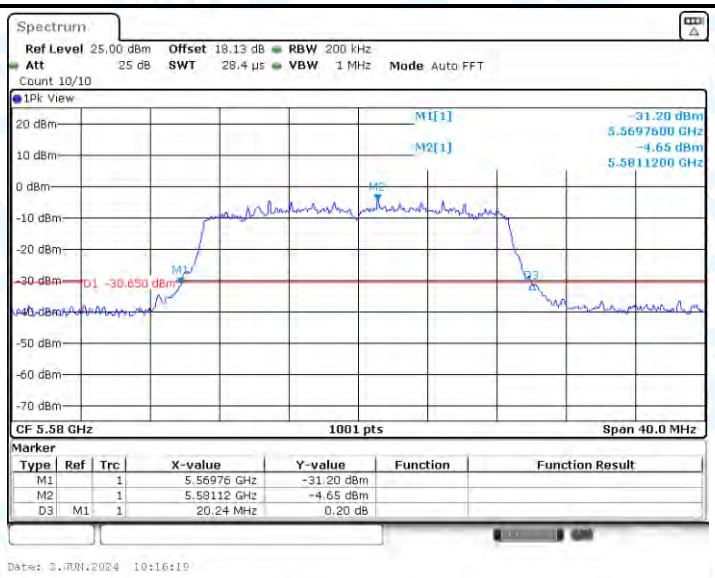

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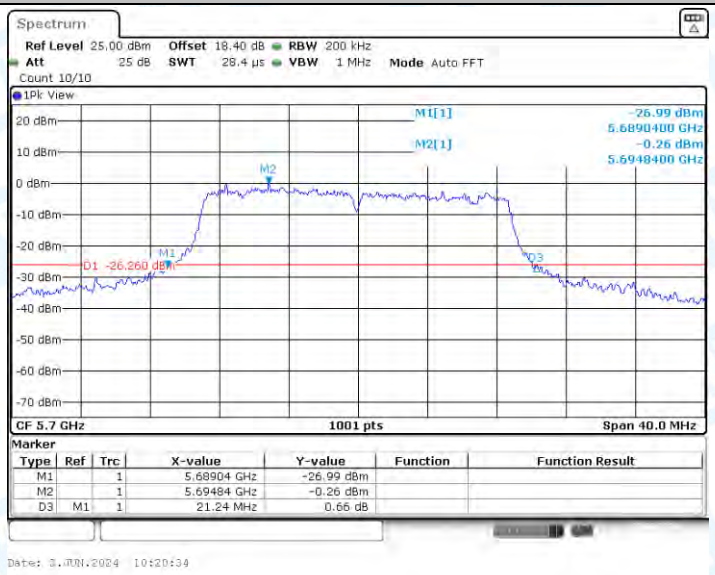
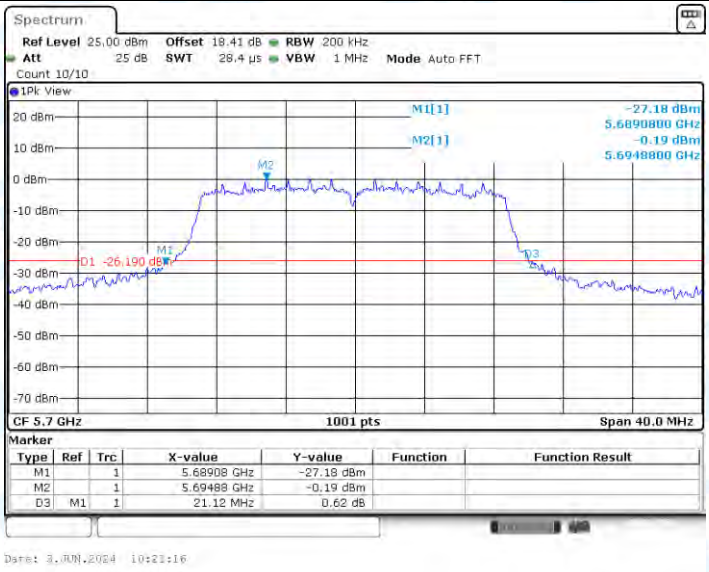
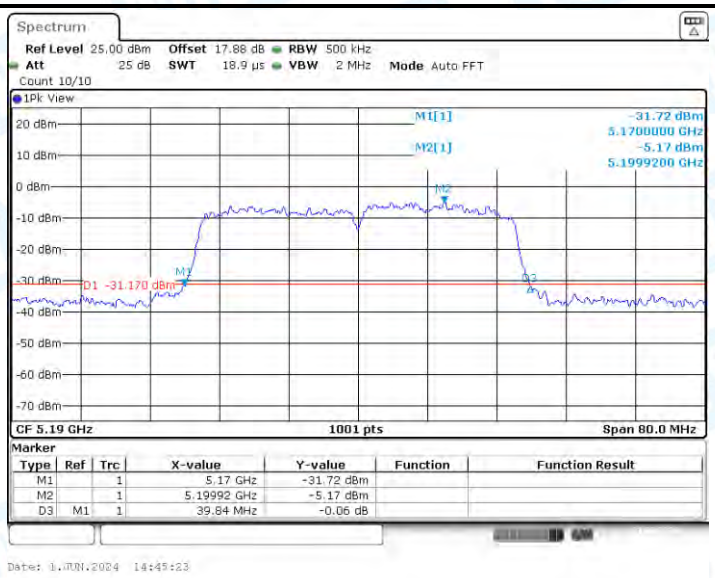


11N20-MIMO_Ant2_5700



11N40-MIMO_Ant1_5190



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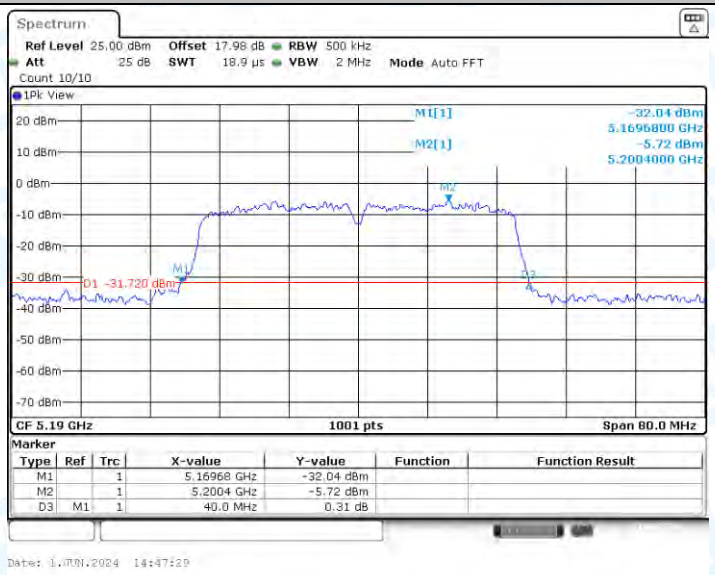
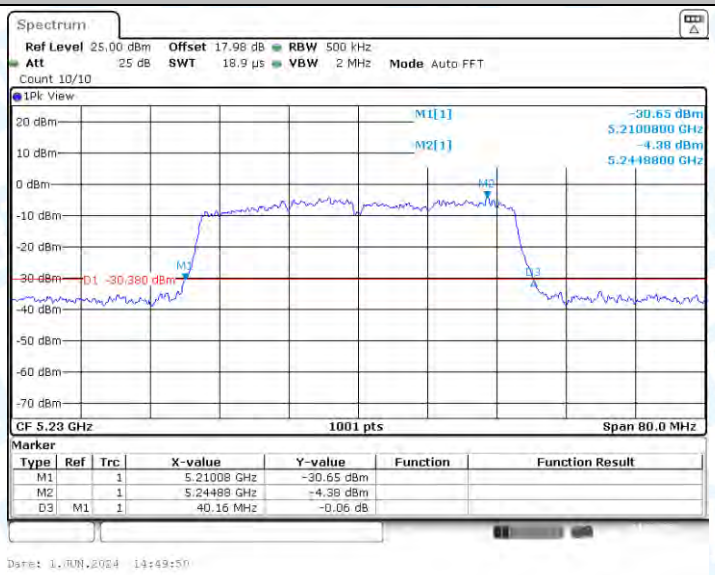


11N40-MIMO_Ant1_5230



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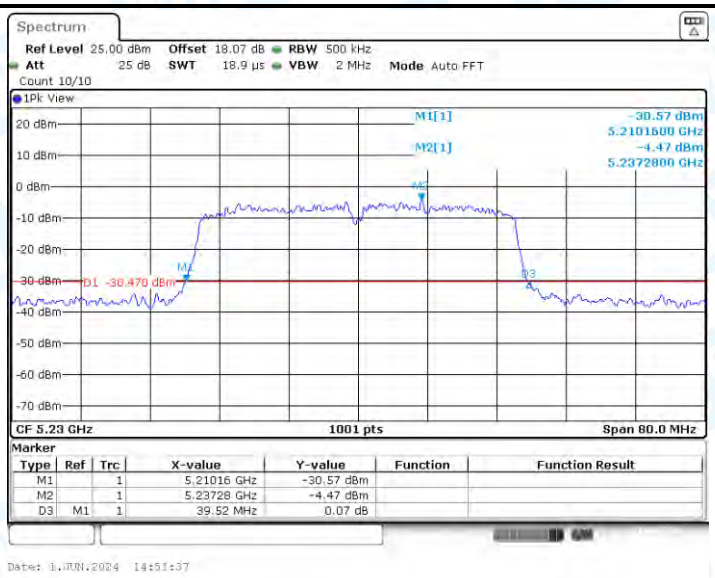

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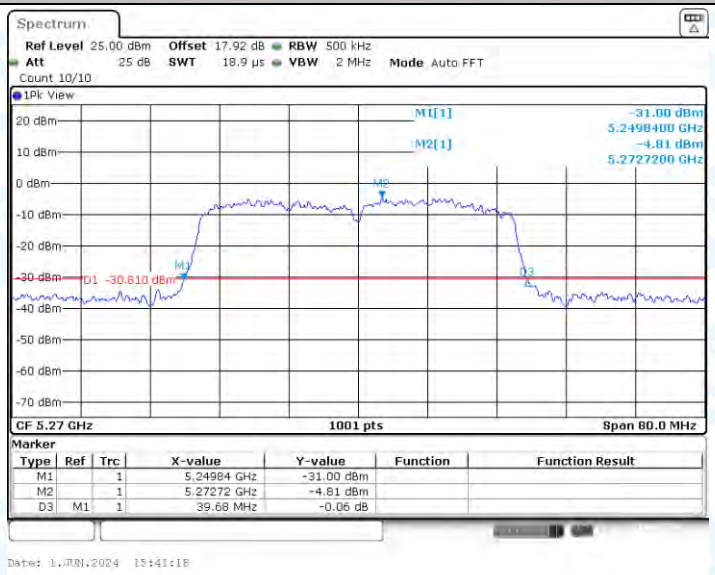

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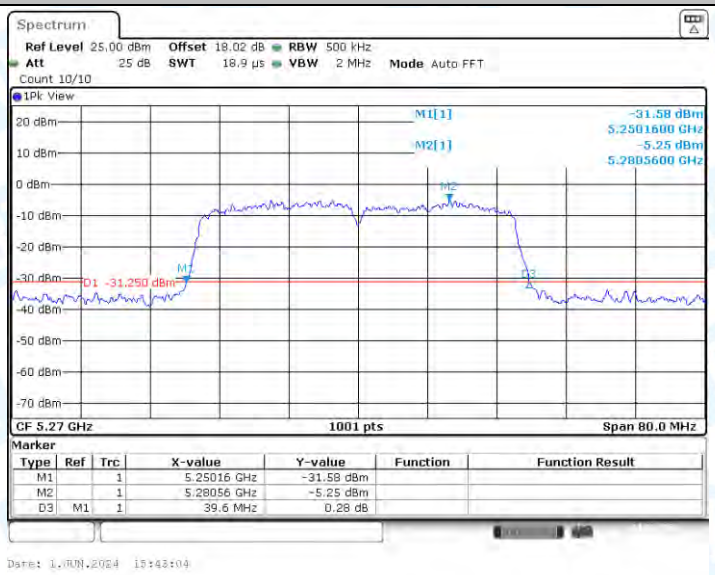

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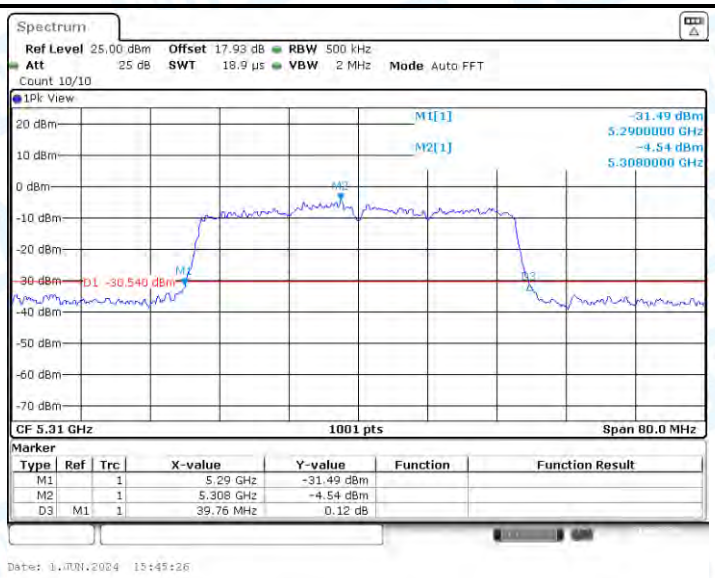

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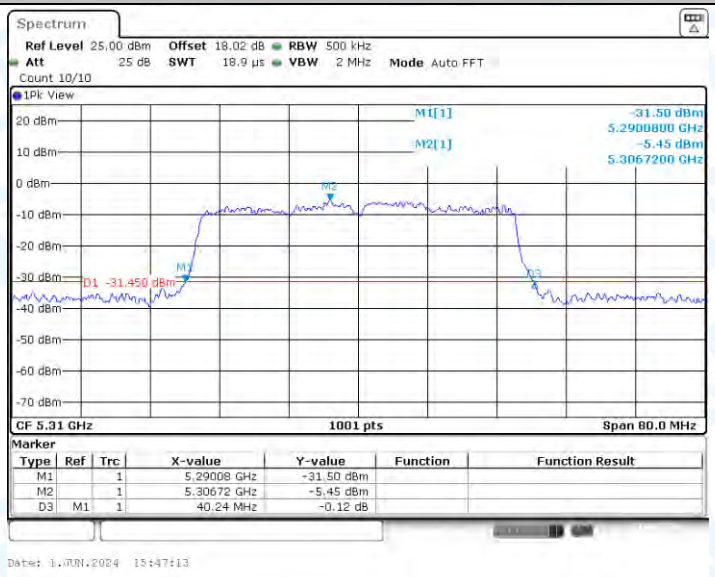
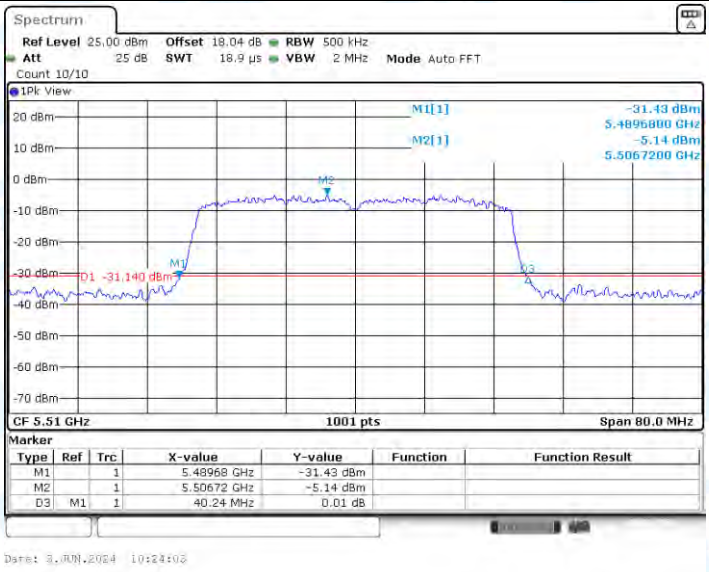


11N40-MIMO_Ant1_5510



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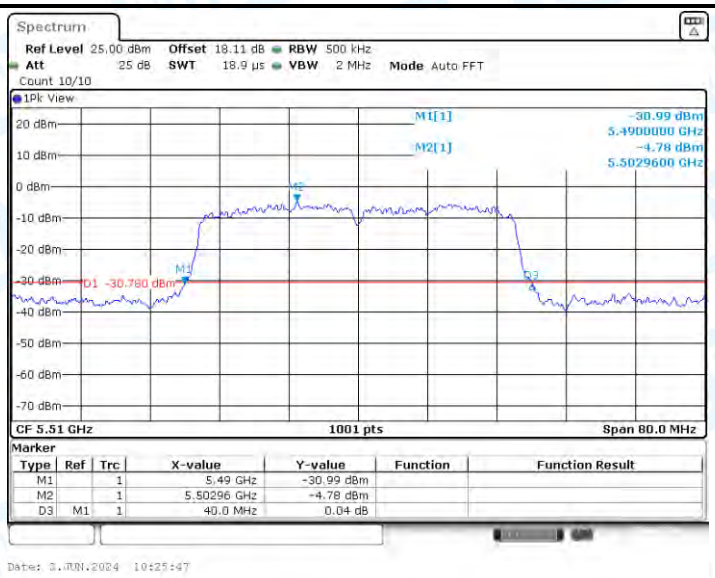
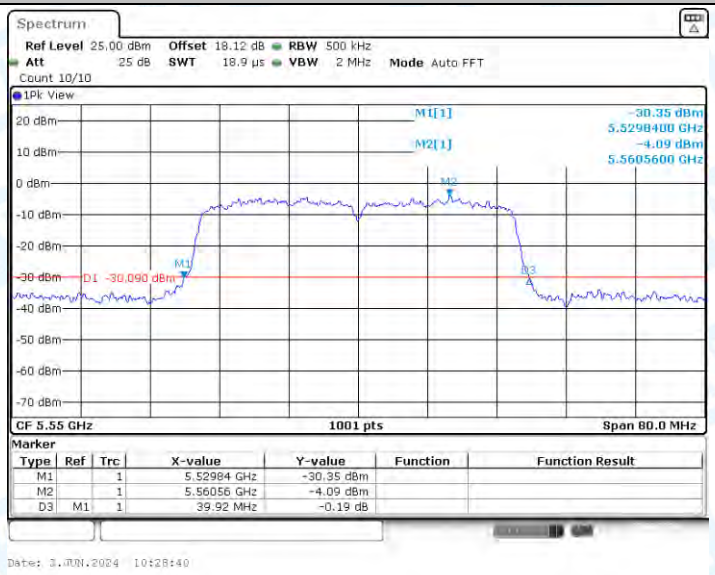


11N40-MIMO_Ant1_5550



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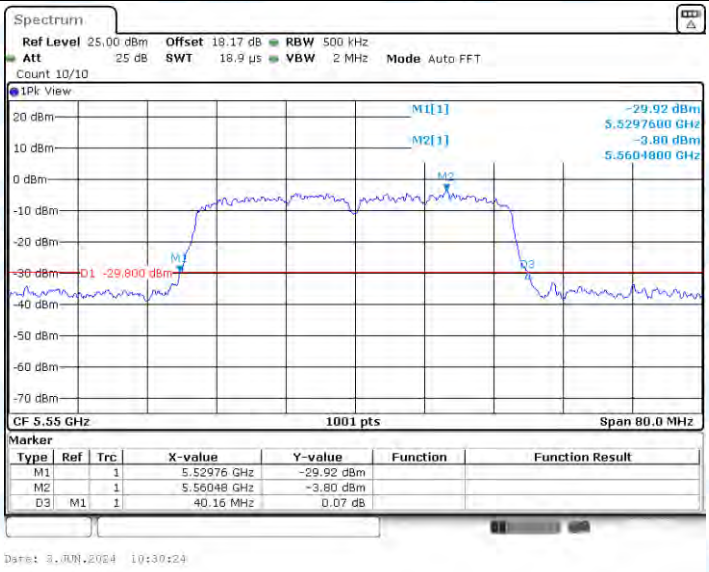
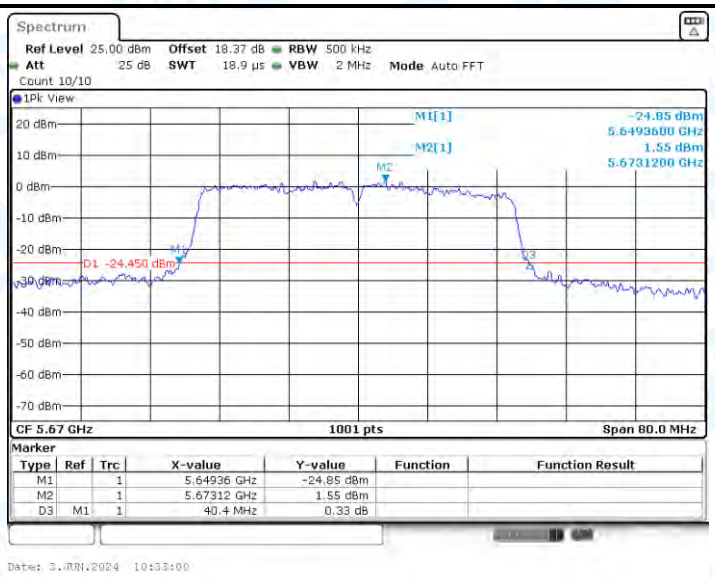


11N40-MIMO_Ant1_5670



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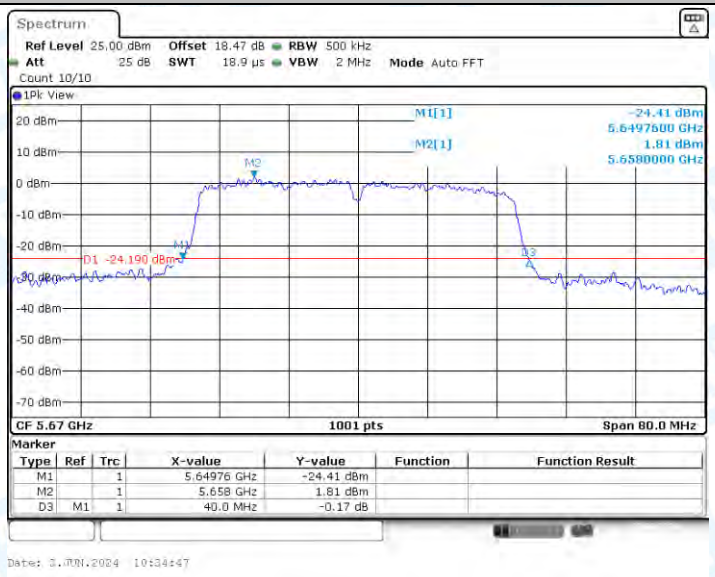
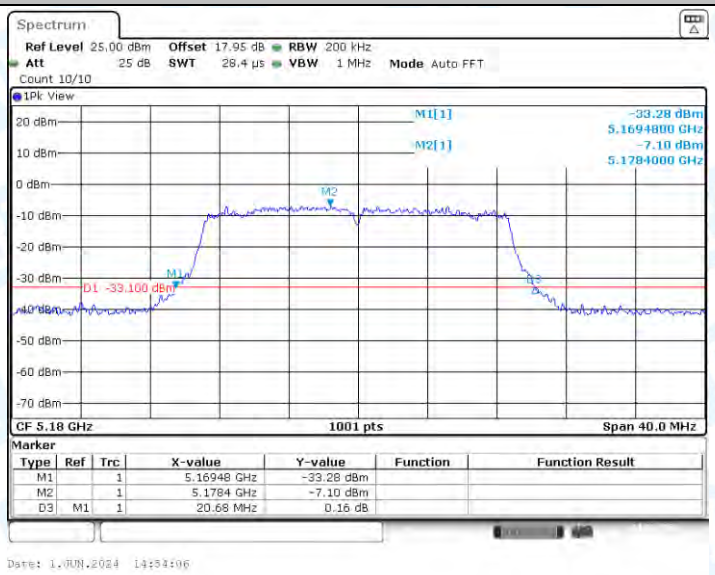


11AC20-MIMO_Ant1_5180



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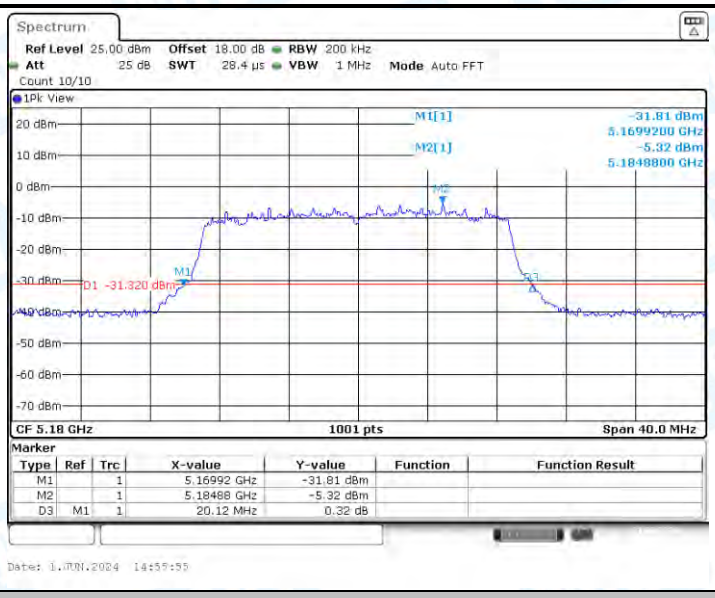

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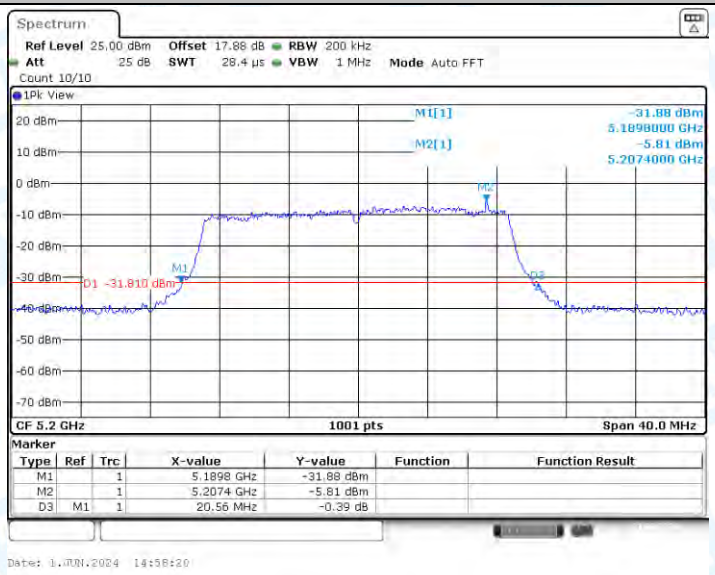

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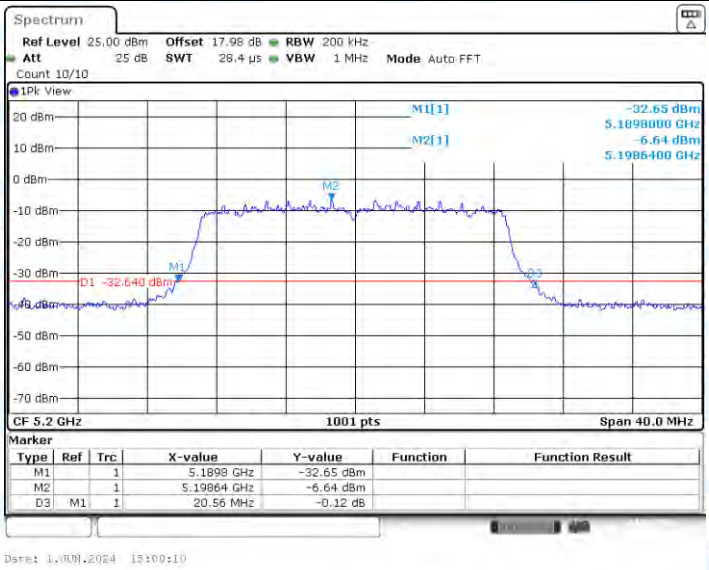

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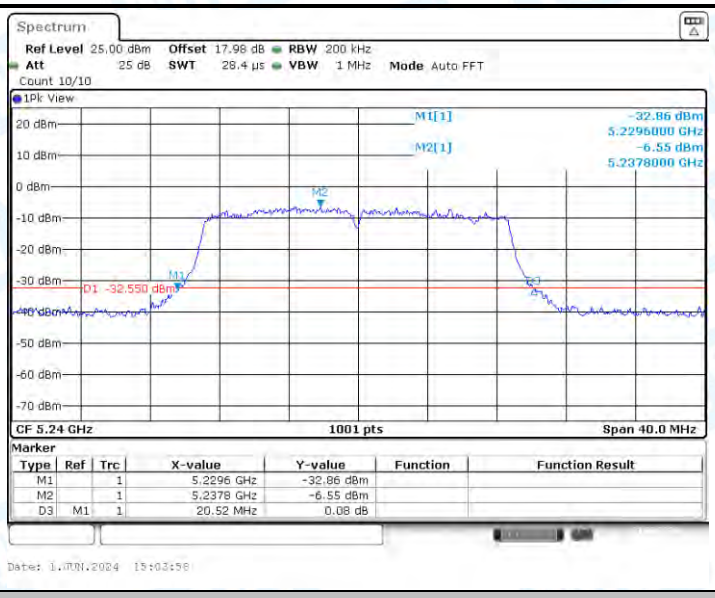

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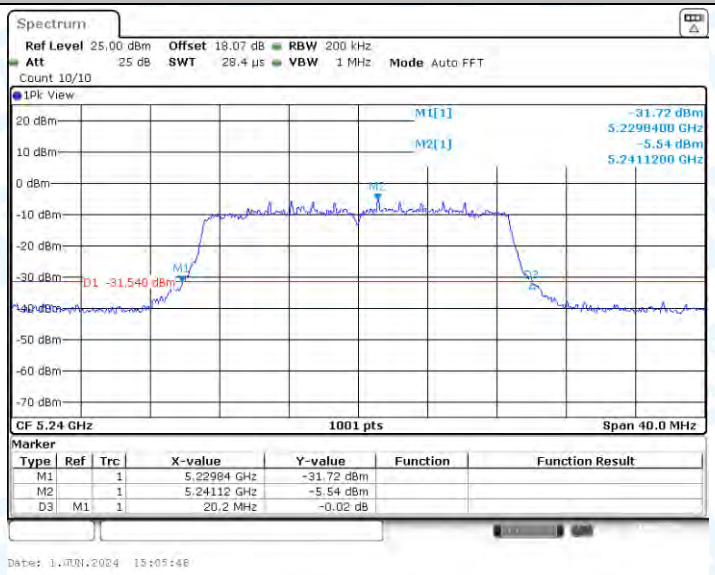

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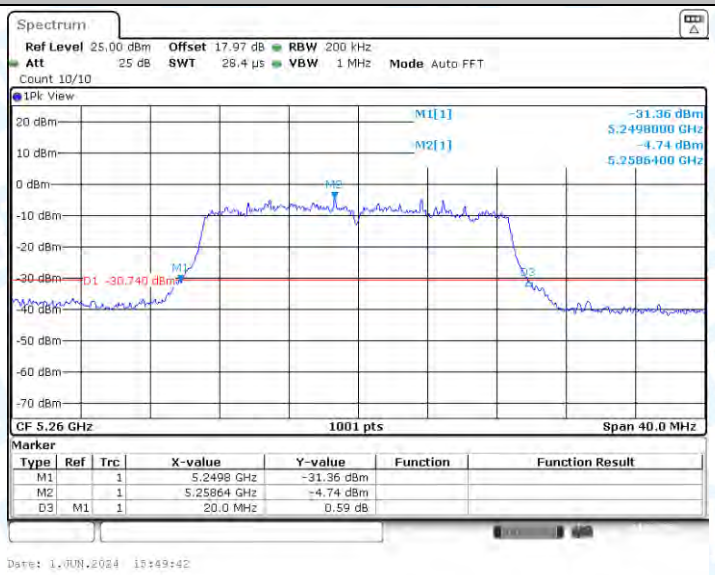

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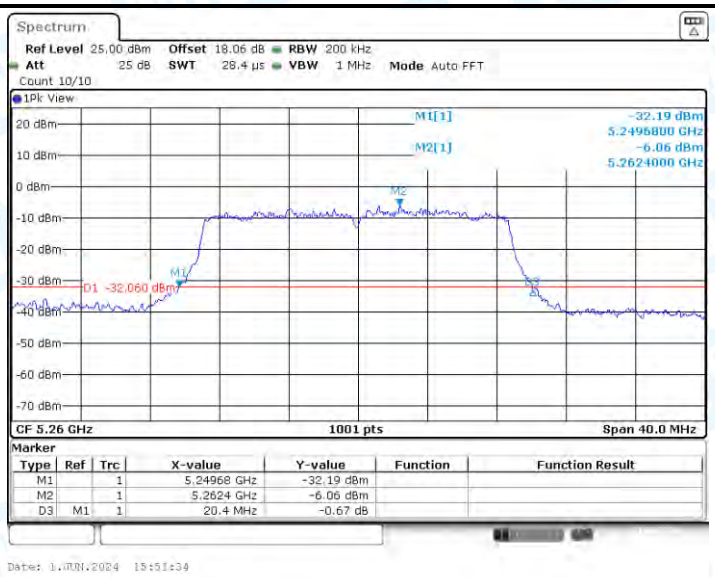

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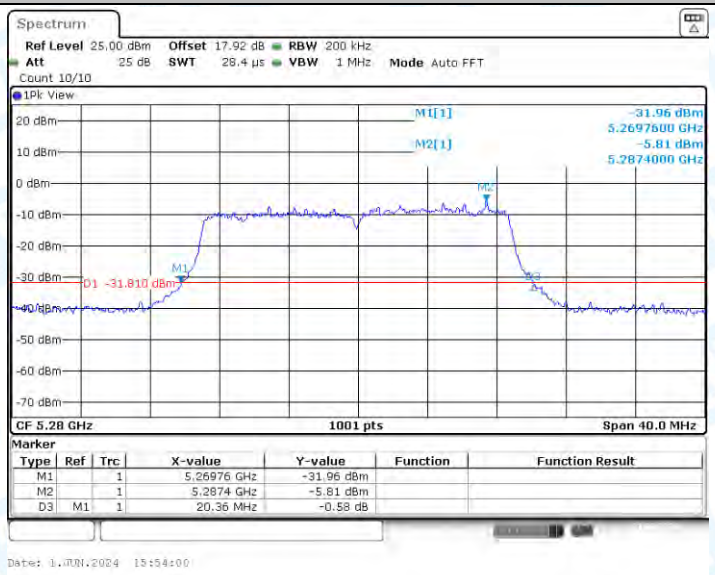

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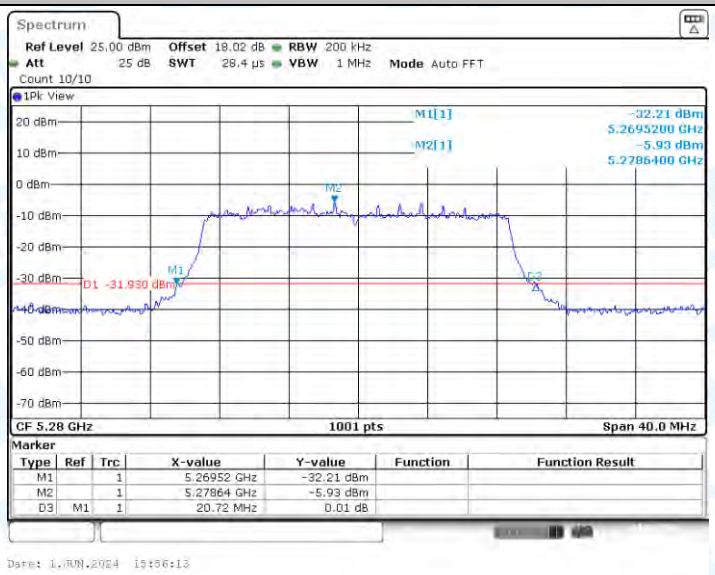

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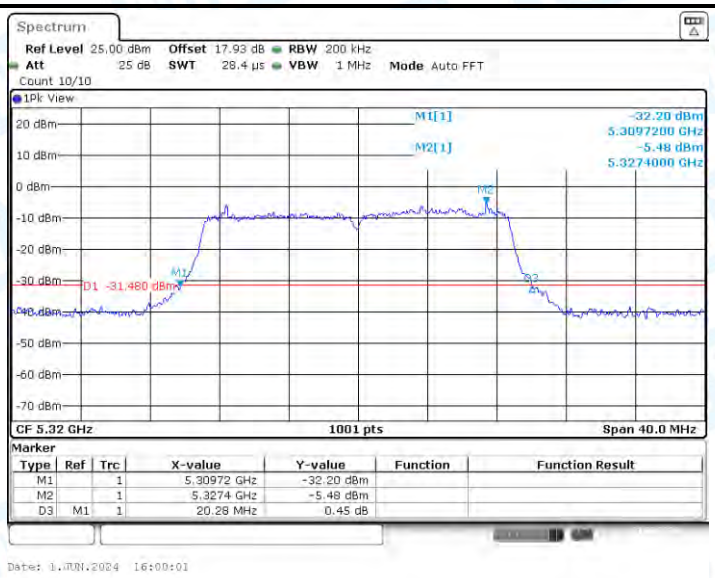

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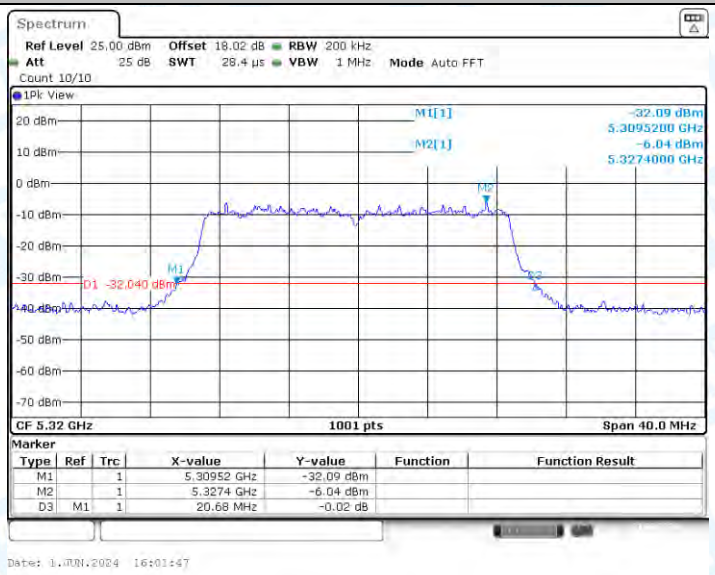

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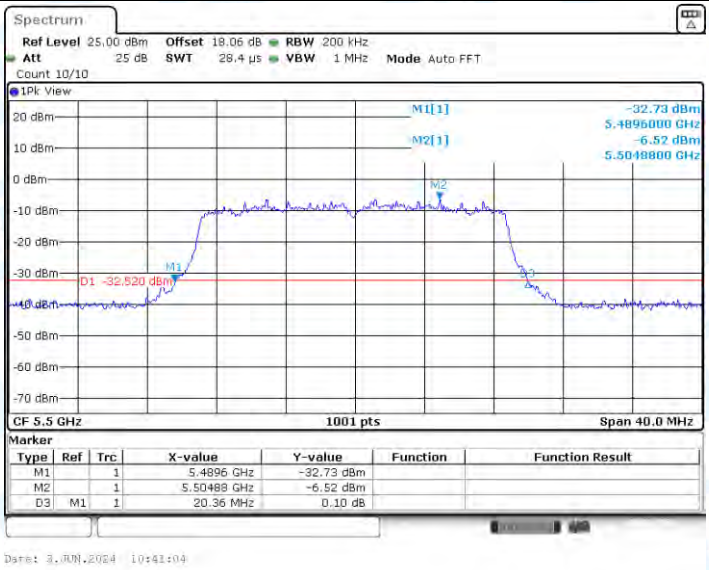

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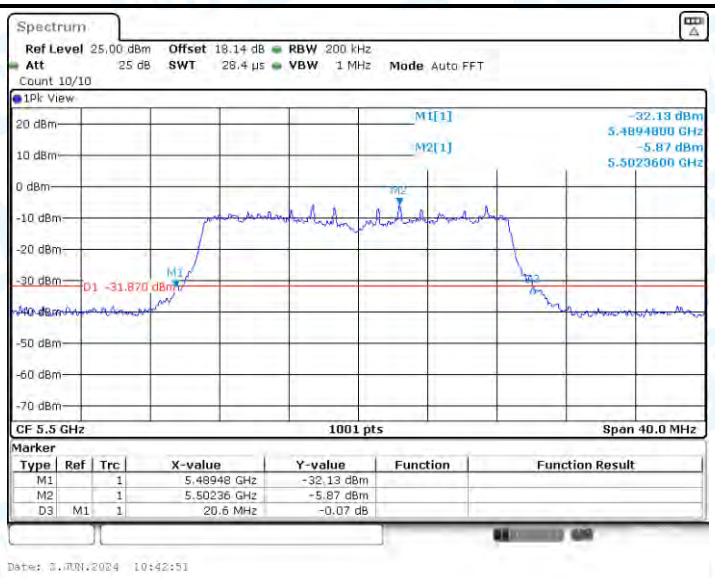

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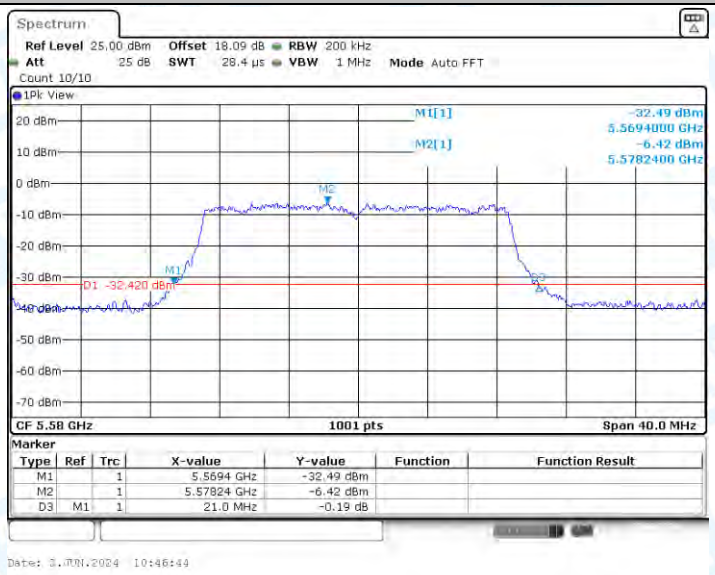

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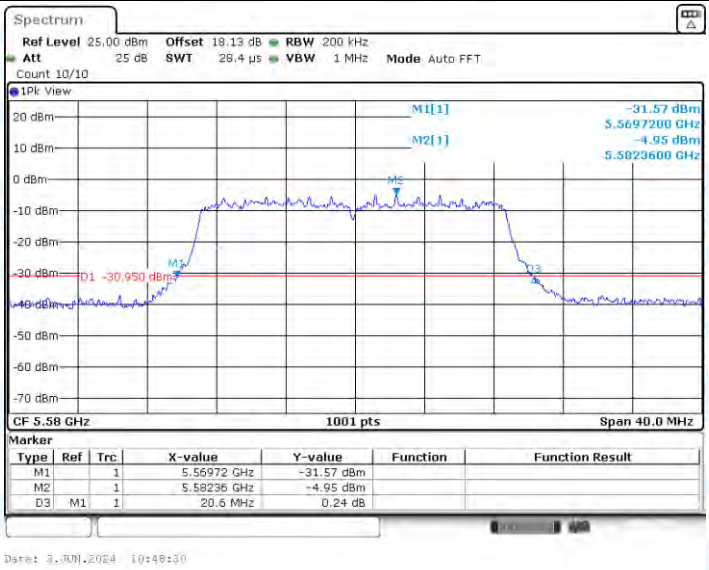

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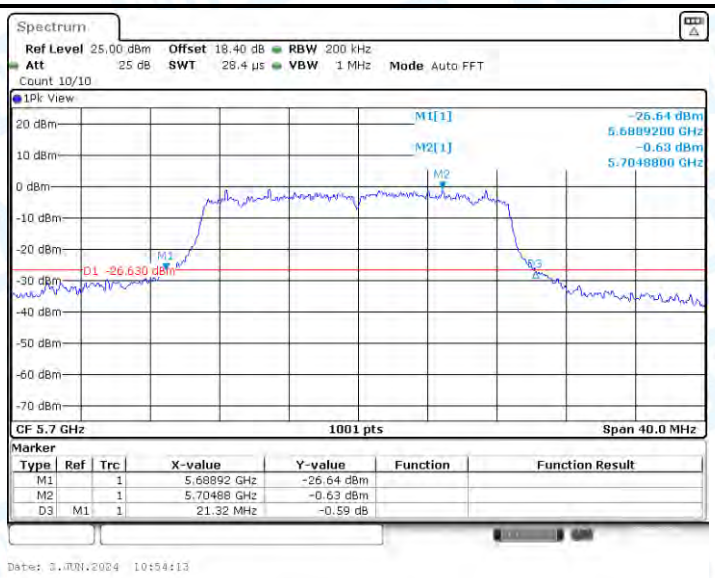

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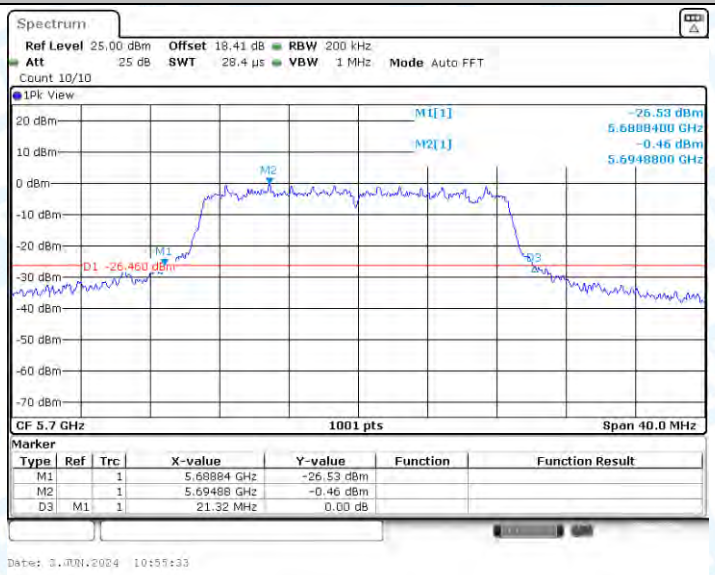

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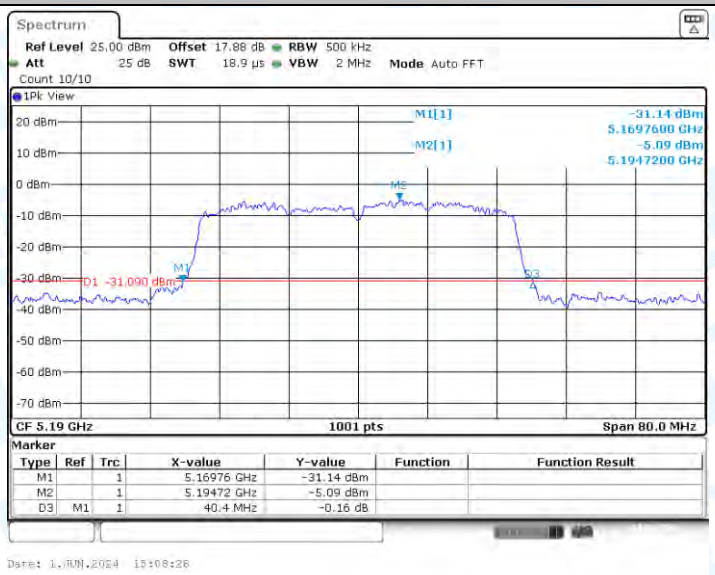

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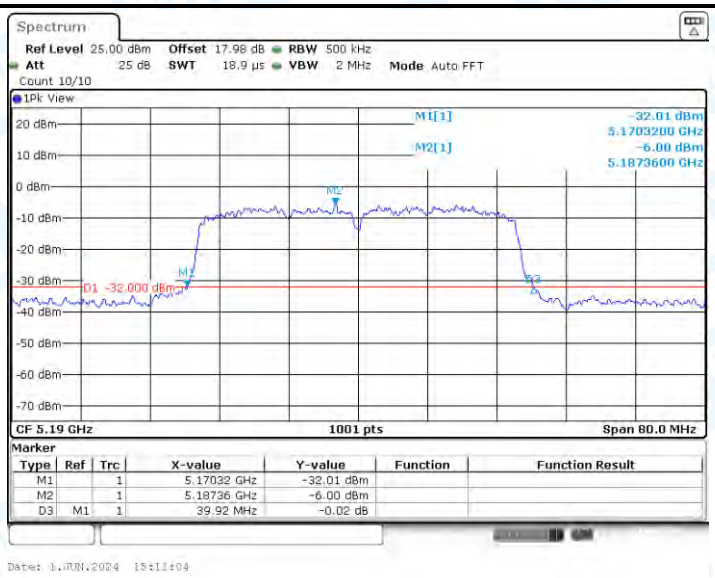
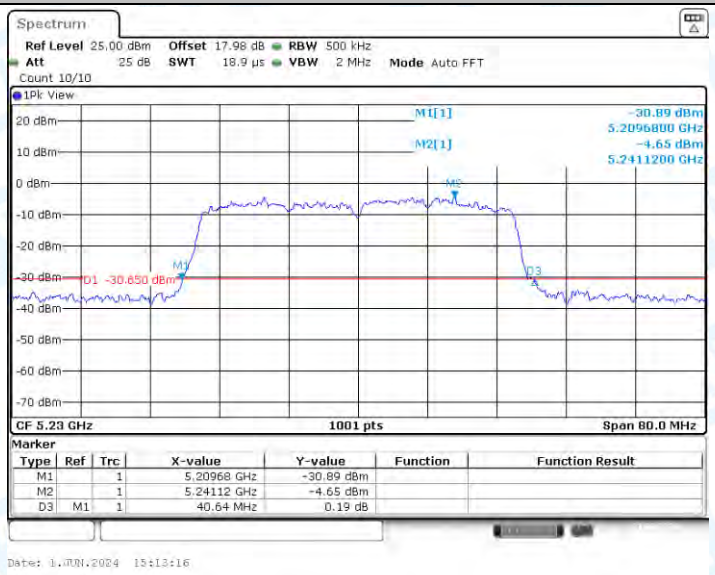


11AC40-MIMO_Ant1_5230



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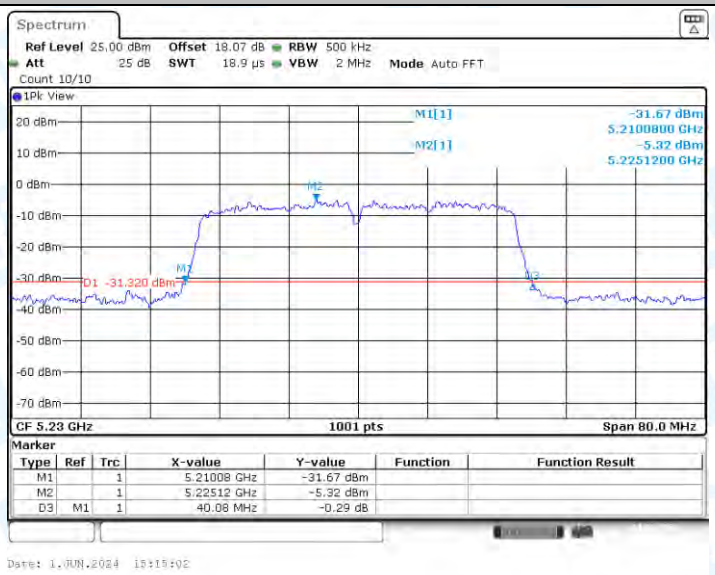

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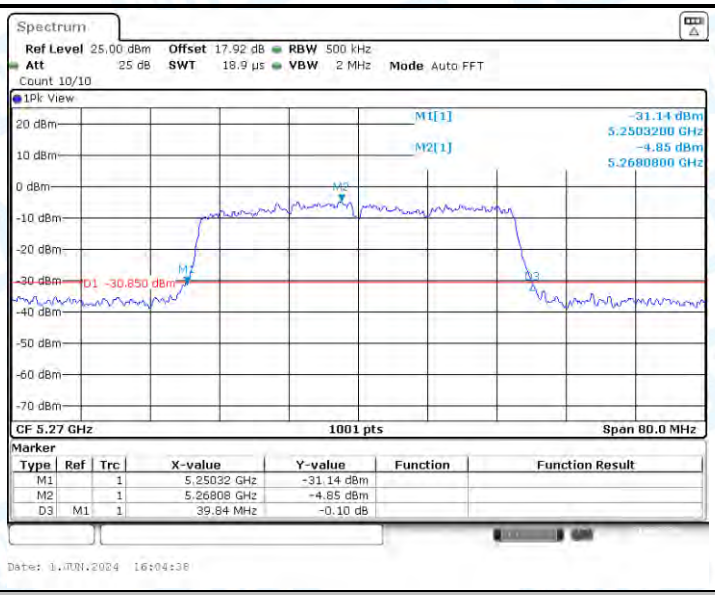

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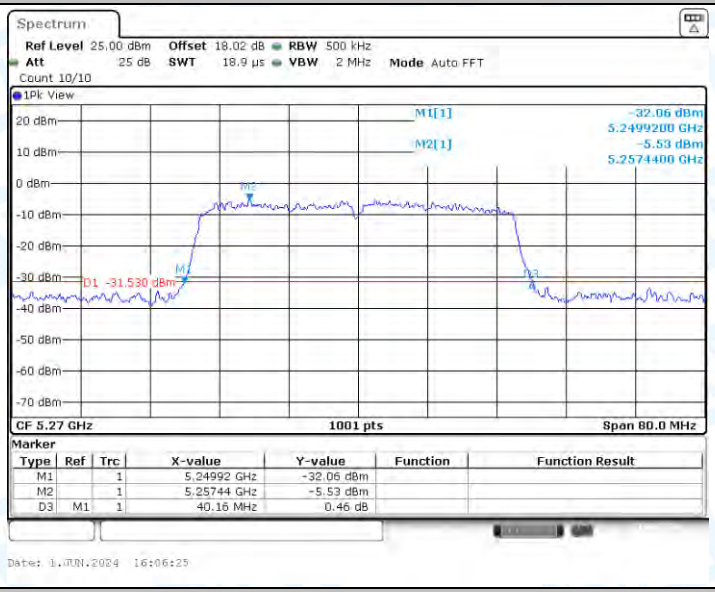

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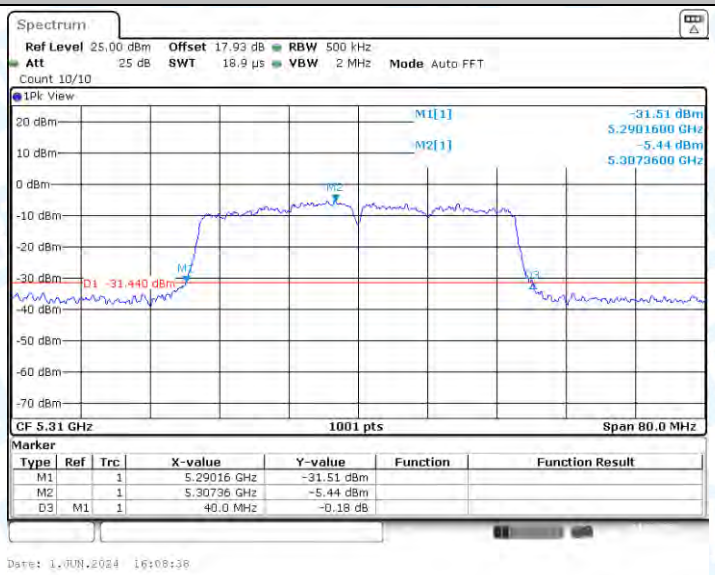

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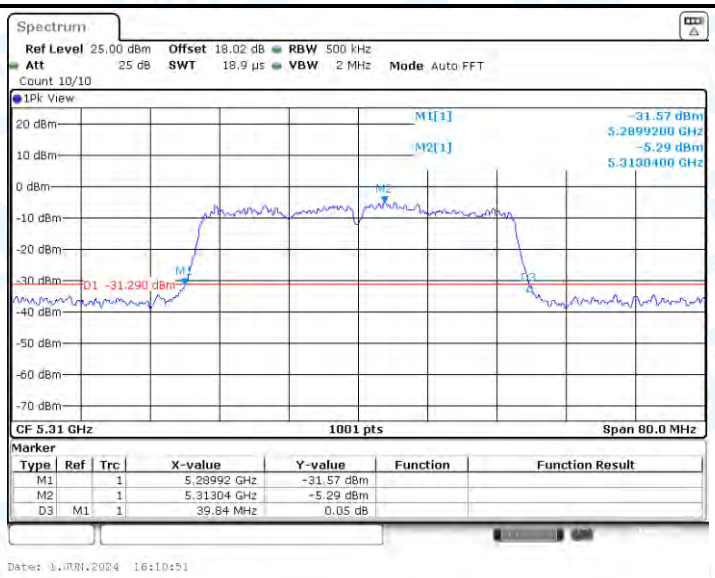

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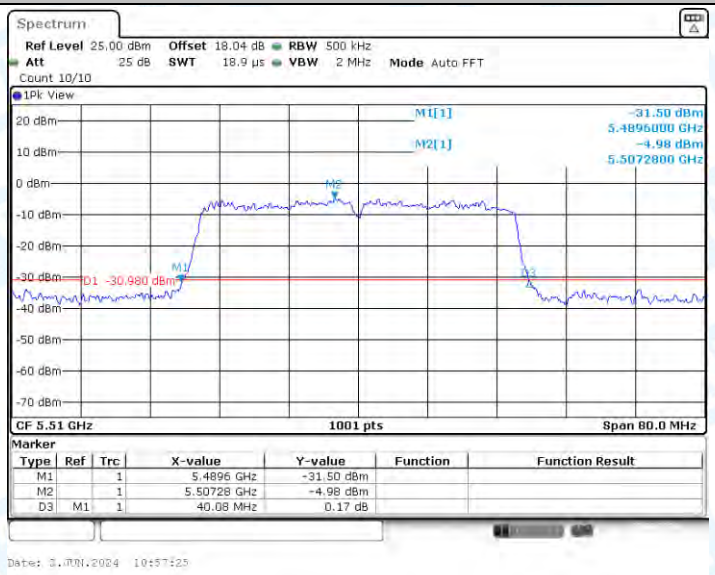

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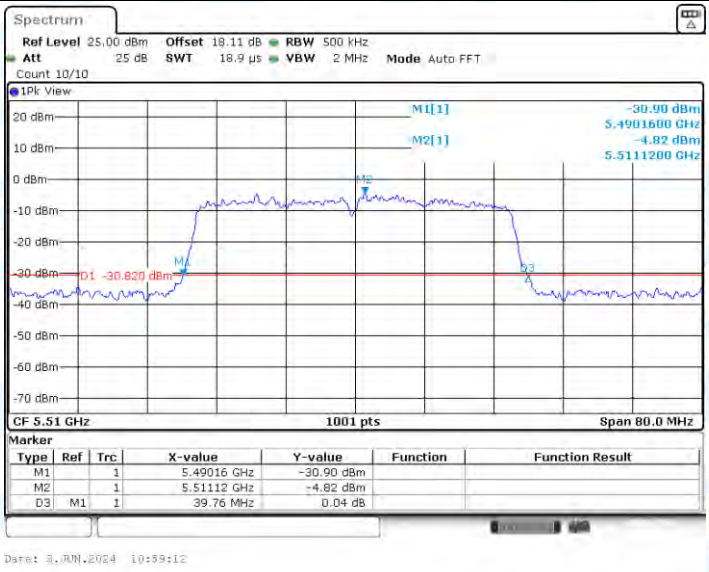

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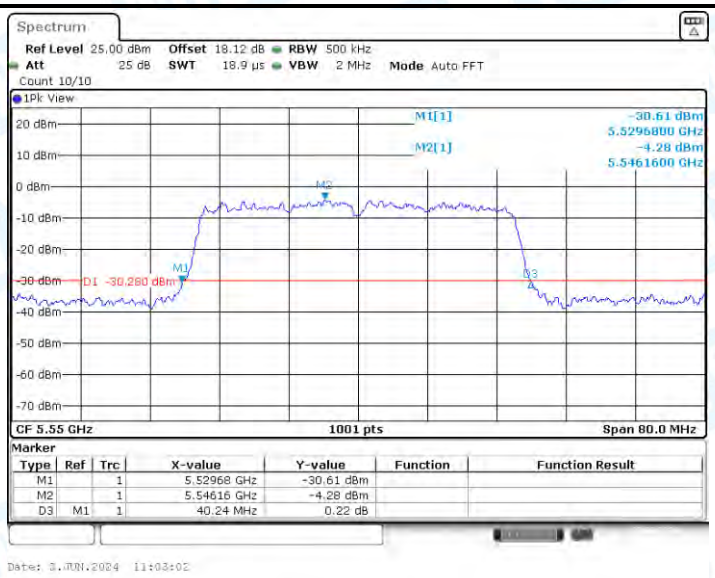

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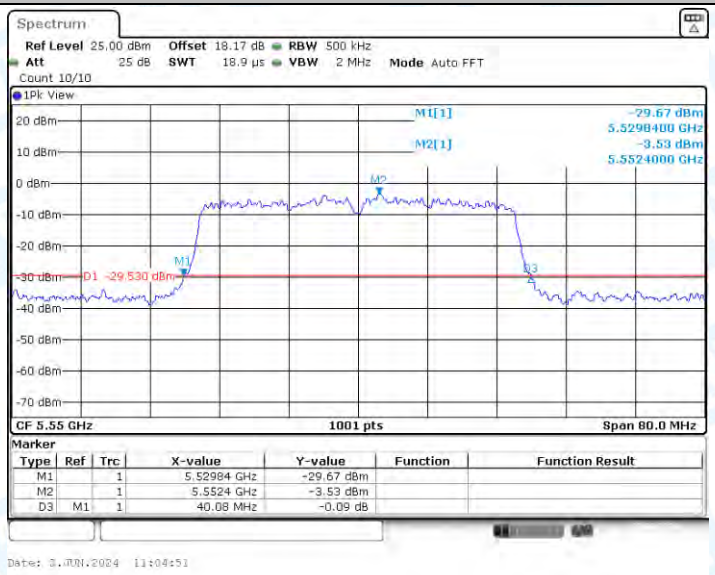

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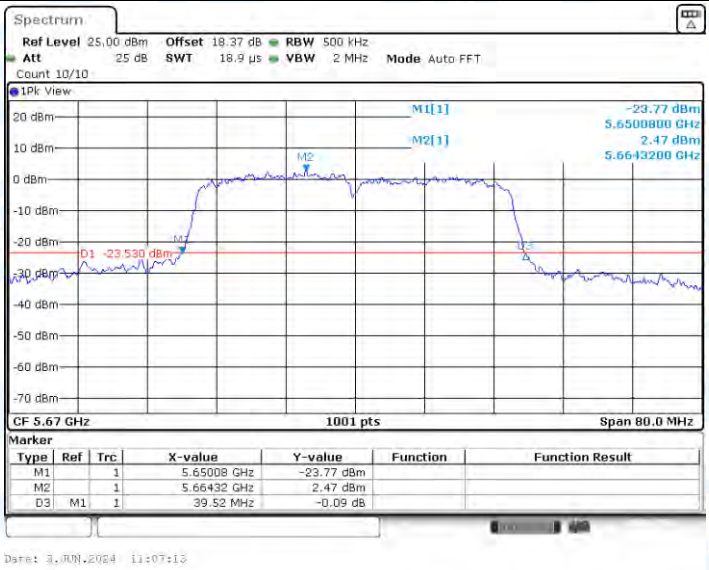

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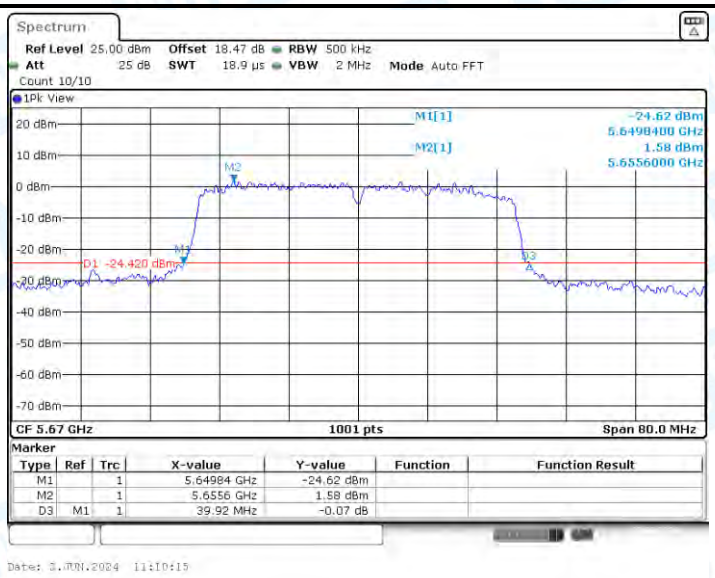

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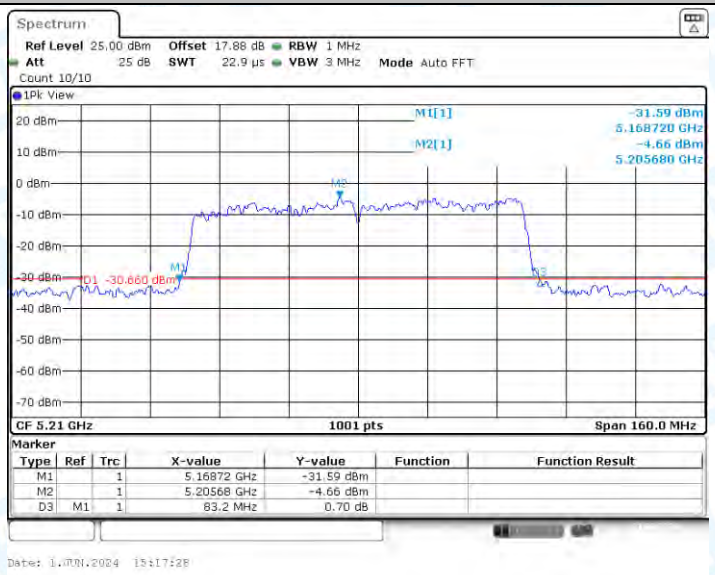

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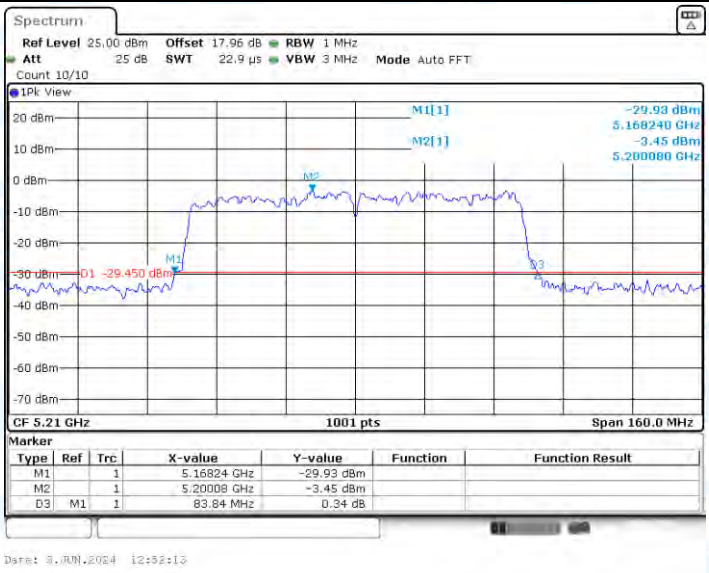

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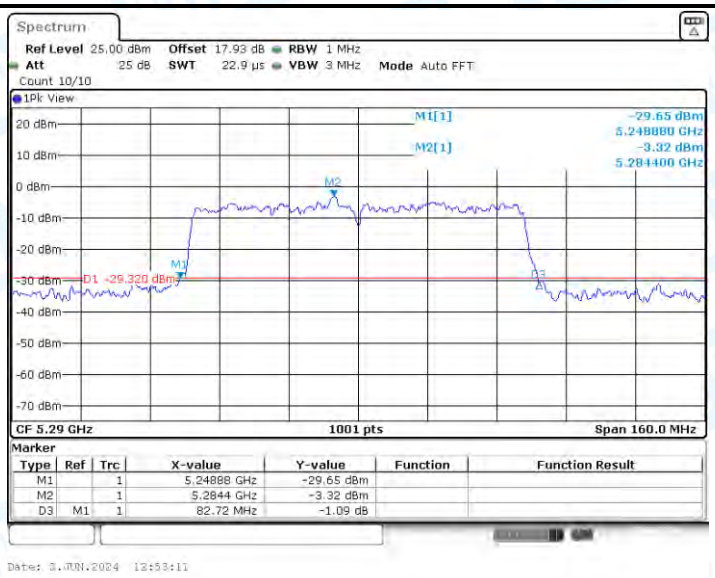

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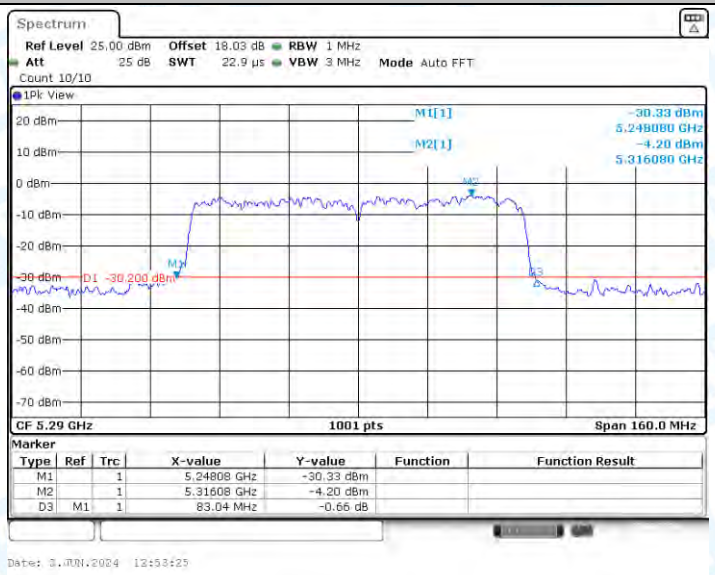
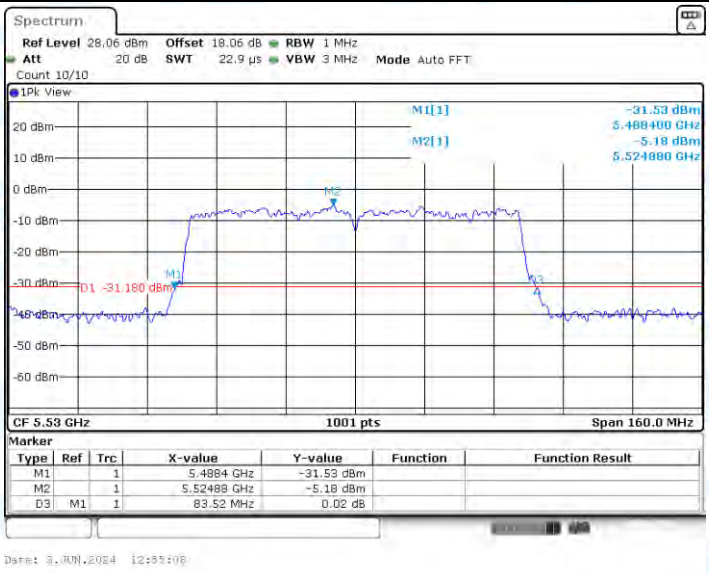
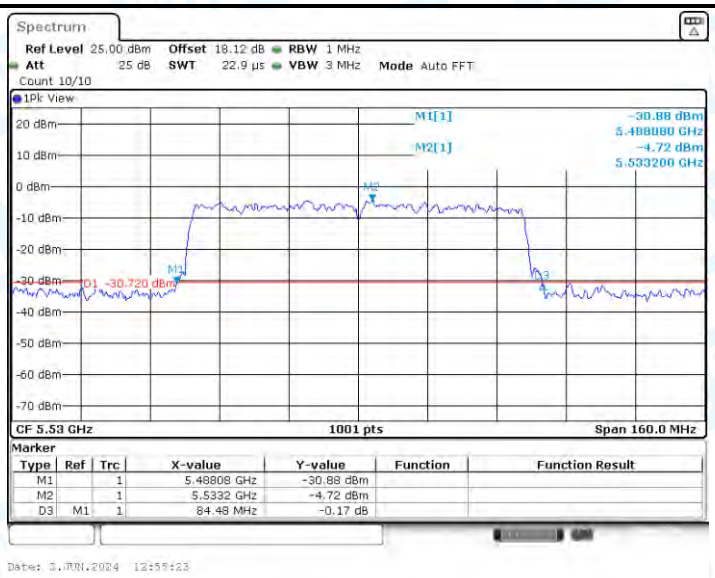


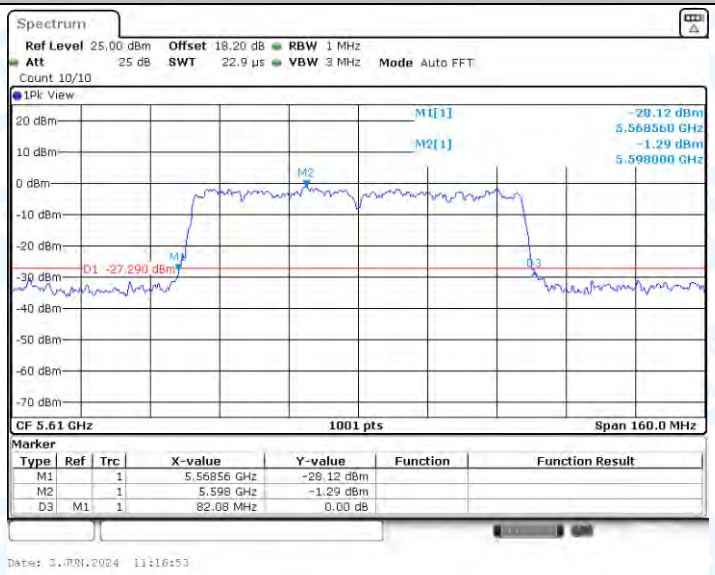
11AC80-MIMO_Ant1_5530



11AC80-MIMO_Ant2_5530



11AC80-MIMO_Ant1_5610



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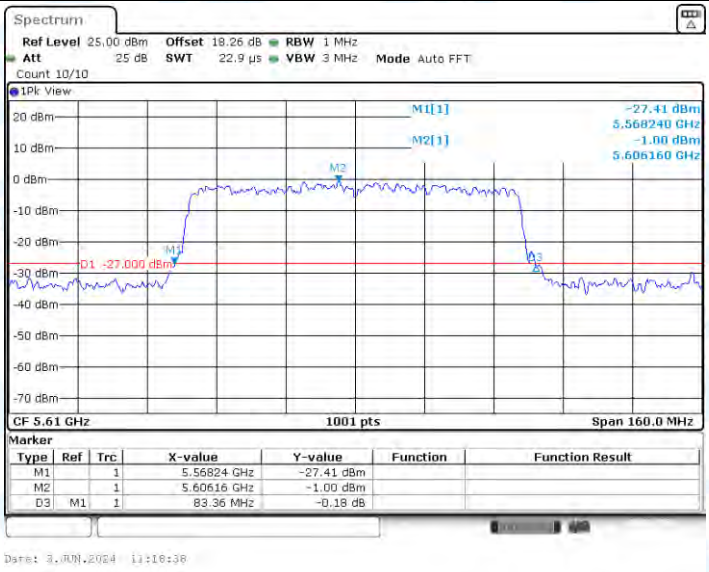


2. Occupied channel bandwidth

2.1.Test Result

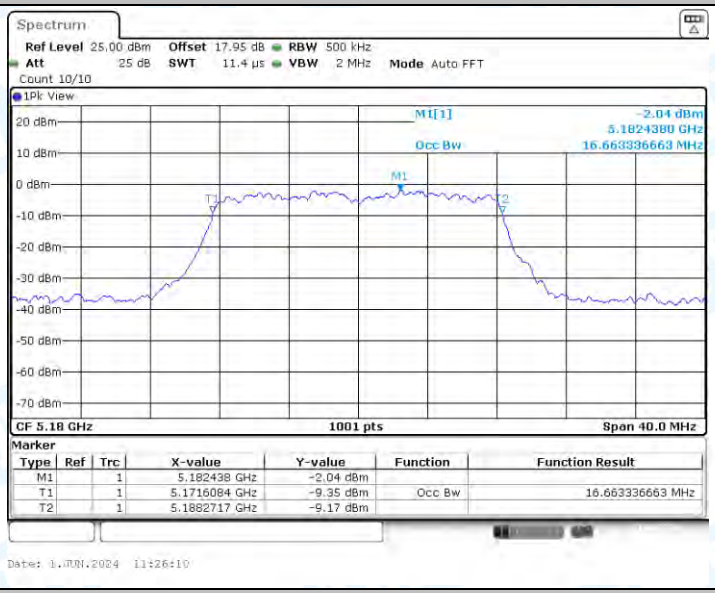
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	16.663	5171.6084	5188.2717	---	---
	Ant2	5180	16.623	5171.5684	5188.1918	---	---
	Ant1	5200	16.623	5191.6084	5208.2318	---	---
	Ant2	5200	16.583	5191.5684	5208.1518	---	---
	Ant1	5240	16.623	5231.6484	5248.2717	---	---
	Ant2	5240	16.623	5231.5684	5248.1918	---	---
	Ant1	5260	16.703	5251.5684	5268.2717	---	---
	Ant2	5260	16.623	5251.5684	5268.1918	---	---
	Ant1	5280	16.703	5271.5285	5288.2318	---	---
	Ant2	5280	16.623	5271.5684	5288.1918	---	---
	Ant1	5320	16.703	5311.5285	5328.2318	---	---
	Ant2	5320	16.623	5311.5684	5328.1918	---	---
	Ant1	5500	16.743	5491.5285	5508.2717	---	---
	Ant2	5500	16.503	5491.6484	5508.1518	---	---
	Ant1	5580	16.783	5571.5285	5588.3117	---	---
	Ant2	5580	16.783	5571.5285	5588.3117	---	---
	Ant1	5700	16.983	5691.3686	5708.3516	---	---
	Ant2	5700	16.743	5691.5285	5708.2717	---	---
	Ant1	5745	16.903	5736.4086	5753.3117	---	---
	Ant2	5745	16.783	5736.4885	5753.2717	---	---
	Ant1	5785	16.863	5776.4086	5793.2717	---	---
	Ant2	5785	16.703	5776.5285	5793.2318	---	---
	Ant1	5825	16.823	5816.4885	5833.3117	---	---
	Ant2	5825	16.863	5816.4885	5833.3516	---	---
11N20-MIMO	Ant1	5180	17.702	5171.0889	5188.7912	---	---
	Ant2	5180	17.862	5170.9690	5188.8312	---	---
	Ant1	5200	17.822	5190.9690	5208.7912	---	---
	Ant2	5200	17.822	5191.0490	5208.8711	---	---
	Ant1	5240	17.822	5230.9690	5248.7912	---	---
	Ant2	5240	17.822	5231.0090	5248.8312	---	---
	Ant1	5260	17.862	5250.9291	5268.7912	---	---
	Ant2	5260	17.862	5250.9291	5268.7912	---	---
	Ant1	5280	17.942	5270.9291	5288.8711	---	---
	Ant2	5280	17.822	5270.9690	5288.7912	---	---
	Ant1	5320	17.702	5311.0490	5328.7512	---	---
	Ant2	5320	17.702	5311.0490	5328.7512	---	---
	Ant1	5500	17.782	5490.9291	5508.7113	---	---
	Ant2	5500	17.662	5491.0889	5508.7512	---	---
	Ant1	5580	17.702	5571.0490	5588.7512	---	---
	Ant2	5580	17.822	5571.0090	5588.8312	---	---
	Ant1	5700	17.982	5690.8092	5708.7912	---	---

	Ant2	5700	17.942	5690.8891	5708.8312	---	---
	Ant1	5745	17.822	5735.9690	5753.7912	---	---
	Ant2	5745	17.862	5735.9291	5753.7912	---	---
	Ant1	5785	17.982	5775.8492	5793.8312	---	---
	Ant2	5785	17.822	5775.9690	5793.7912	---	---
	Ant1	5825	17.902	5815.8891	5833.7912	---	---
	Ant2	5825	17.862	5815.9291	5833.7912	---	---
11N40-MIMO	Ant1	5190	36.044	5171.8581	5207.9021	---	---
	Ant2	5190	36.204	5171.7782	5207.9820	---	---
	Ant1	5230	36.204	5211.8581	5248.0619	---	---
	Ant2	5230	36.204	5211.8581	5248.0619	---	---
	Ant1	5270	36.044	5251.7782	5287.8222	---	---
	Ant2	5270	36.124	5251.8581	5287.9820	---	---
	Ant1	5310	36.284	5291.8581	5328.1419	---	---
	Ant2	5310	36.284	5291.7782	5328.0619	---	---
	Ant1	5510	36.124	5491.8581	5527.9820	---	---
	Ant2	5510	36.204	5491.8581	5528.0619	---	---
	Ant1	5550	35.884	5531.9381	5567.8222	---	---
	Ant2	5550	36.204	5531.8581	5568.0619	---	---
	Ant1	5670	36.204	5651.6184	5687.8222	---	---
	Ant2	5670	36.364	5651.5385	5687.9021	---	---
	Ant1	5755	36.044	5736.7782	5772.8222	---	---
	Ant2	5755	36.204	5736.7782	5772.9820	---	---
	Ant1	5795	36.204	5776.6983	5812.9021	---	---
	Ant2	5795	36.124	5776.7782	5812.9021	---	---
11AC20-MIMO	Ant1	5180	17.782	5171.0090	5188.7912	---	---
	Ant2	5180	17.822	5171.0090	5188.8312	---	---
	Ant1	5200	17.822	5191.0090	5208.8312	---	---
	Ant2	5200	17.862	5190.9690	5208.8312	---	---
	Ant1	5240	17.782	5231.0090	5248.7912	---	---
	Ant2	5240	17.822	5231.0090	5248.8312	---	---
	Ant1	5260	17.862	5250.9690	5268.8312	---	---
	Ant2	5260	17.862	5250.9690	5268.8312	---	---
	Ant1	5280	17.862	5270.9690	5288.8312	---	---
	Ant2	5280	17.822	5270.9690	5288.7912	---	---
	Ant1	5320	17.902	5310.9291	5328.8312	---	---
	Ant2	5320	17.942	5310.9291	5328.8711	---	---
	Ant1	5500	17.862	5490.9690	5508.8312	---	---
	Ant2	5500	18.102	5490.8492	5508.9510	---	---
	Ant1	5580	17.902	5570.9291	5588.8312	---	---
	Ant2	5580	17.902	5570.9291	5588.8312	---	---
	Ant1	5700	18.022	5690.8492	5708.8711	---	---
	Ant2	5700	17.822	5690.9291	5708.7512	---	---
	Ant1	5745	17.982	5735.8492	5753.8312	---	---
	Ant2	5745	18.022	5735.8492	5753.8711	---	---

	Ant1	5785	17.862	5775.9291	5793.7912	---	---
	Ant2	5785	17.982	5775.8891	5793.8711	---	---
	Ant1	5825	17.942	5815.8891	5833.8312	---	---
	Ant2	5825	17.942	5815.9690	5833.9111	---	---
11AC40-MIMO	Ant1	5190	36.124	5171.8581	5207.9820	---	---
	Ant2	5190	36.124	5171.8581	5207.9820	---	---
	Ant1	5230	36.044	5211.9381	5247.9820	---	---
	Ant2	5230	36.204	5211.7782	5247.9820	---	---
	Ant1	5270	36.364	5251.7782	5288.1419	---	---
	Ant2	5270	36.284	5251.6983	5287.9820	---	---
	Ant1	5310	36.284	5291.7782	5328.0619	---	---
	Ant2	5310	36.444	5291.6983	5328.1419	---	---
	Ant1	5510	36.204	5491.7782	5527.9820	---	---
	Ant2	5510	36.284	5491.6184	5527.9021	---	---
	Ant1	5550	36.284	5531.7782	5568.0619	---	---
	Ant2	5550	36.364	5531.6983	5568.0619	---	---
	Ant1	5670	35.964	5651.7782	5687.7423	---	---
	Ant2	5670	36.124	5651.6983	5687.8222	---	---
	Ant1	5755	36.204	5736.6983	5772.9021	---	---
	Ant2	5755	36.364	5736.5385	5772.9021	---	---
	Ant1	5795	36.204	5776.7782	5812.9820	---	---
	Ant2	5795	36.523	5776.7782	5813.3017	---	---
11AC80-MIMO	Ant1	5210	76.084	5172.2777	5248.3616	---	---
	Ant2	5210	76.723	5171.6384	5248.3616	---	---
	Ant1	5290	76.244	5251.9580	5328.2018	---	---
	Ant2	5290	76.563	5251.4785	5328.0420	---	---
	Ant1	5530	77.043	5491.3187	5568.3616	---	---
	Ant2	5530	77.043	5491.1588	5568.2018	---	---
	Ant1	5610	76.244	5571.7982	5648.0420	---	---
	Ant2	5610	76.084	5571.9580	5648.0420	---	---
	Ant1	5775	77.043	5735.9990	5813.0420	---	---
	Ant2	5775	76.563	5736.4785	5813.0420	---	---

2.2.Test Graphs

11A-CDD_Ant1_5180



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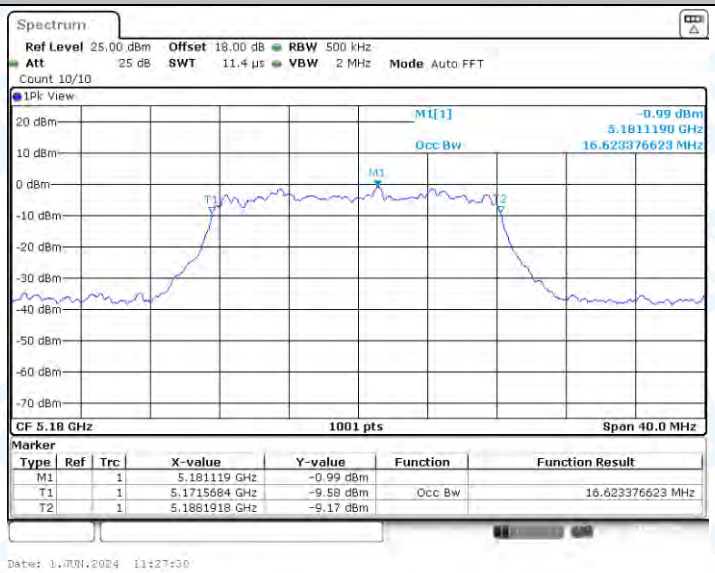

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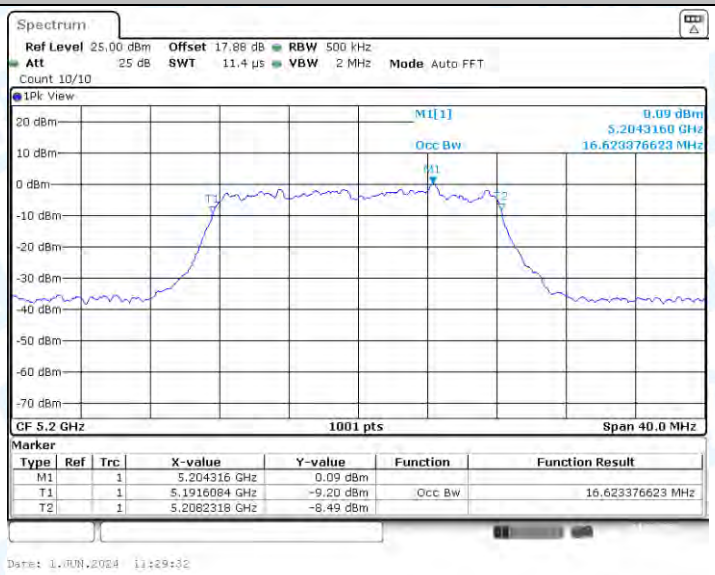

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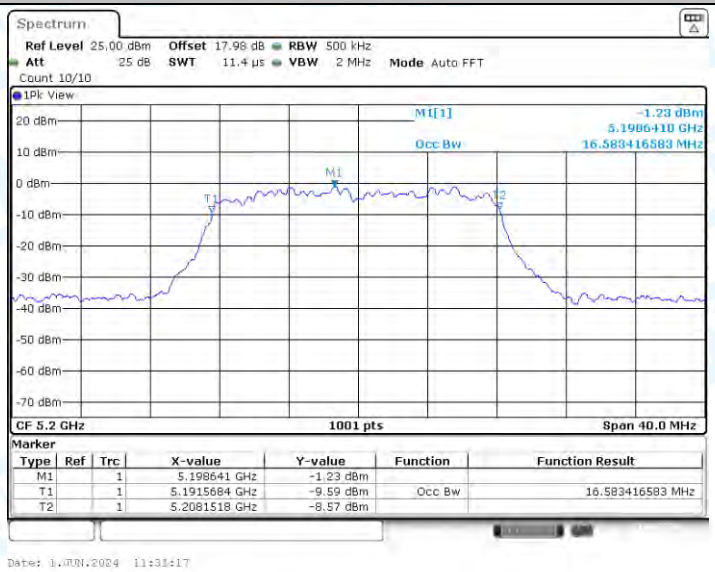

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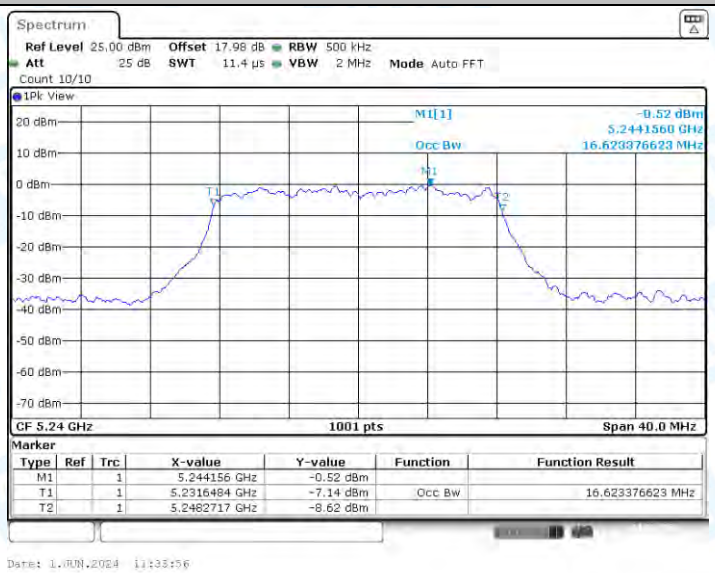

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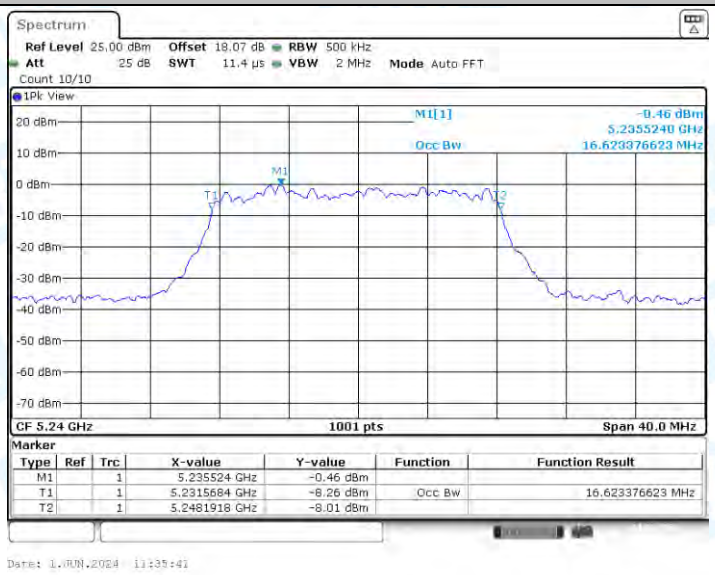

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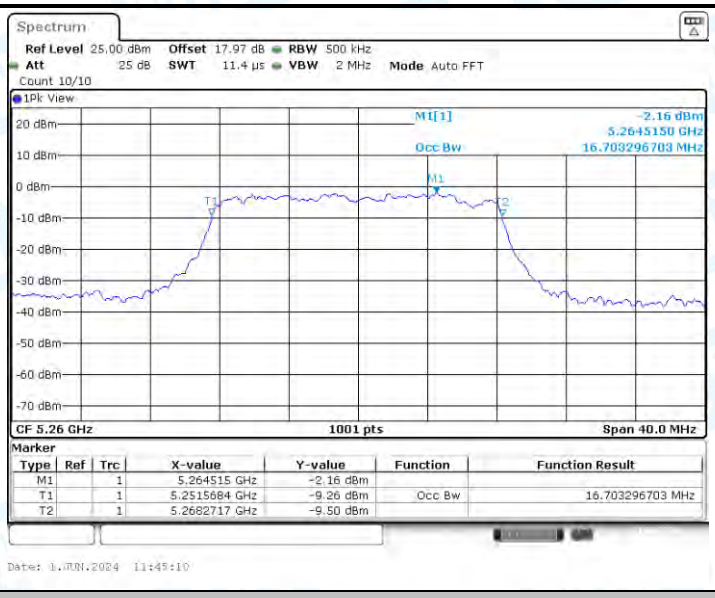
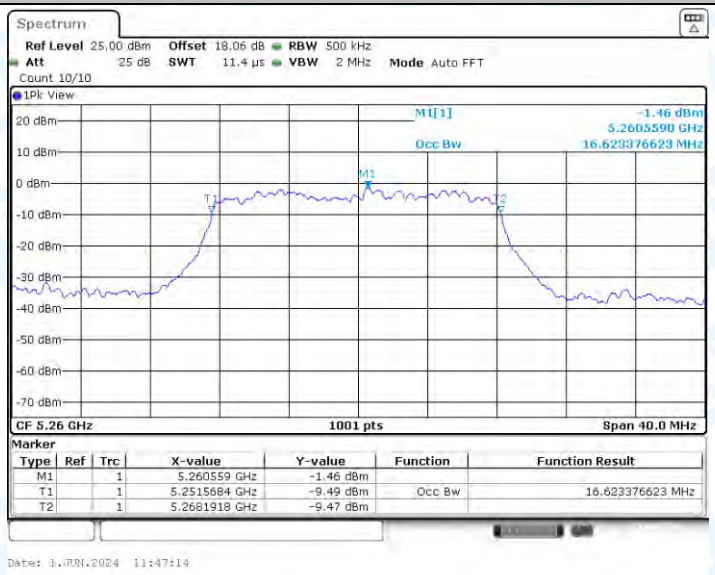


11A-CDD_Ant2_5260



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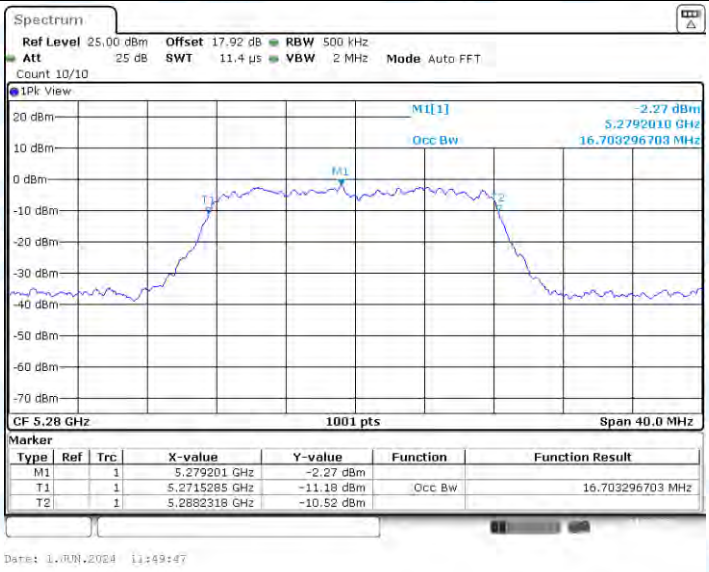

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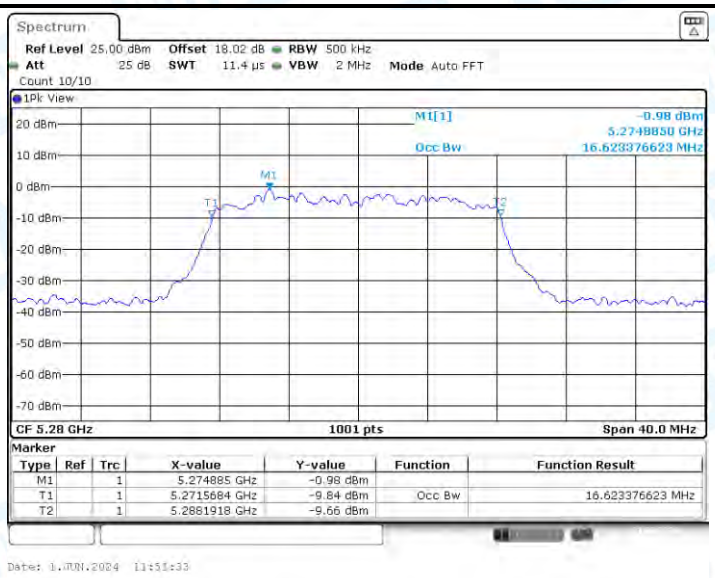
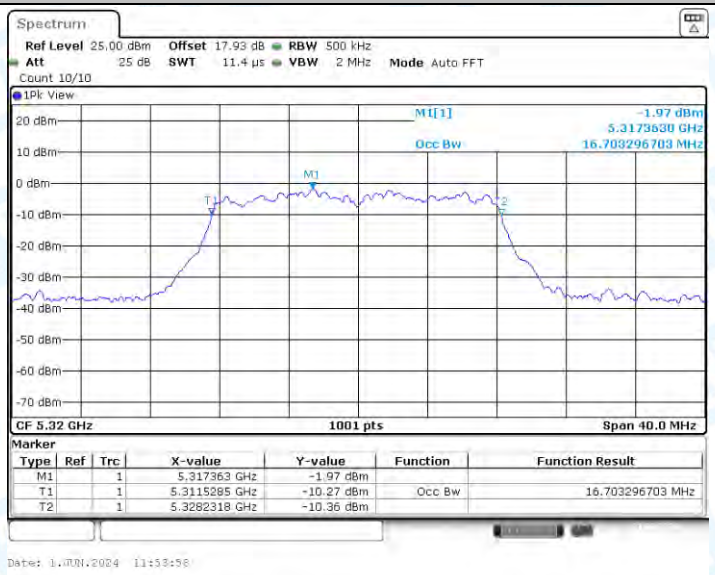
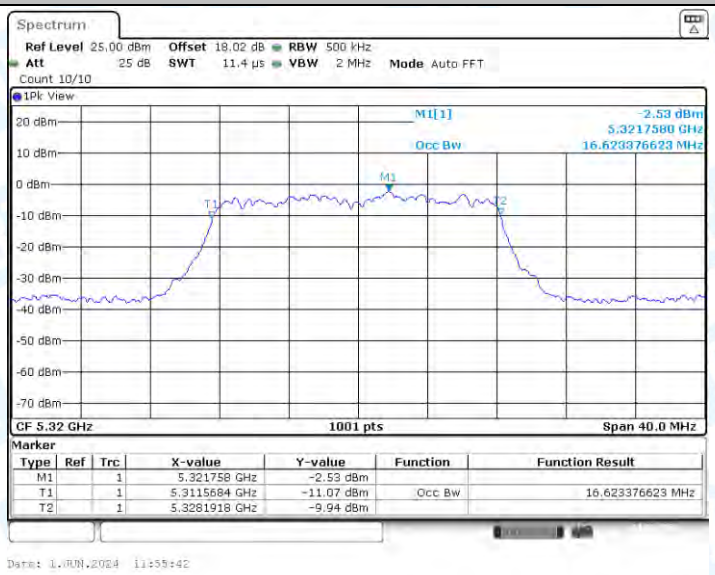


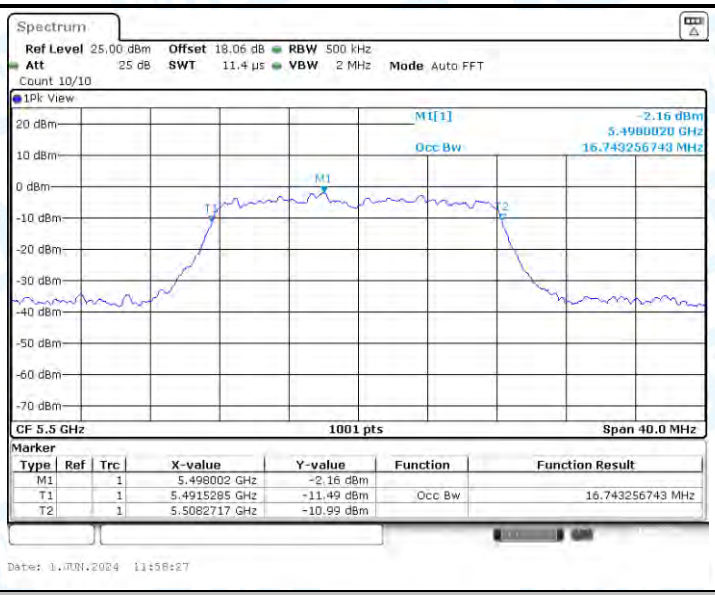
11A-CDD_Ant1_5320



11A-CDD_Ant2_5320



11A-CDD_Ant1_5500



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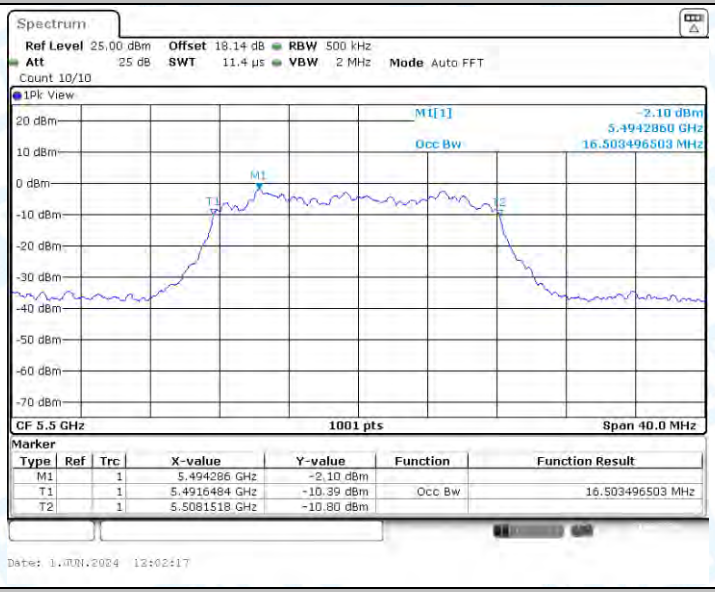

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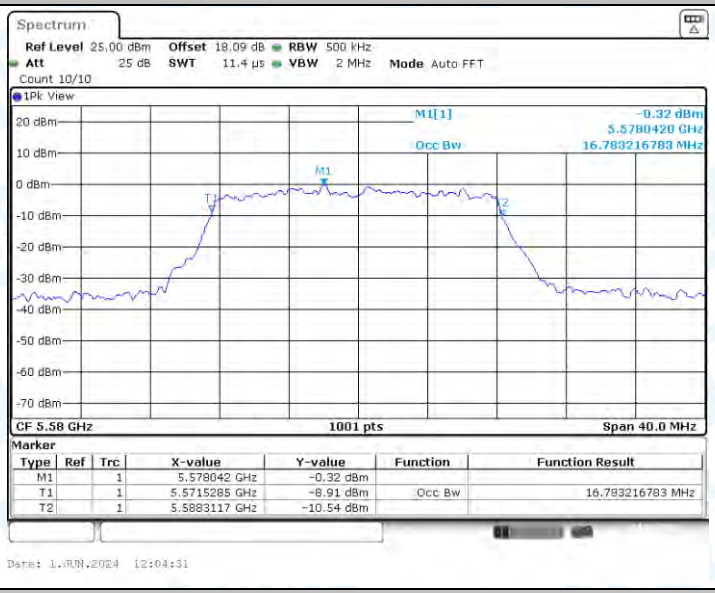

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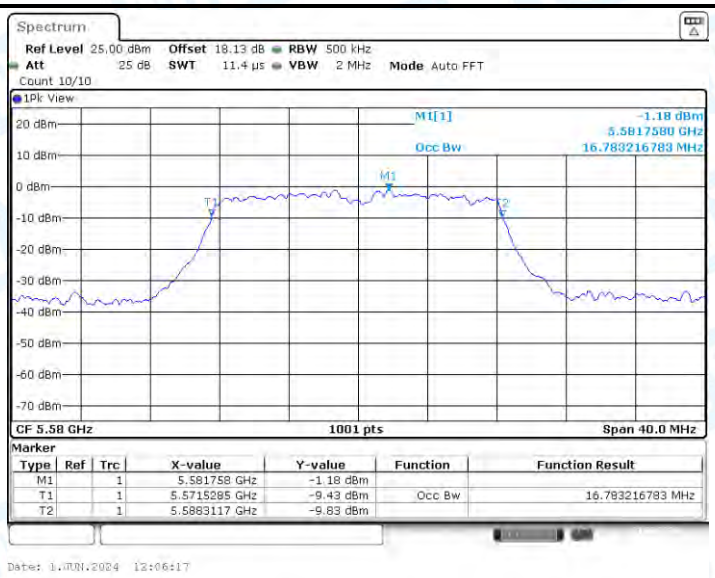
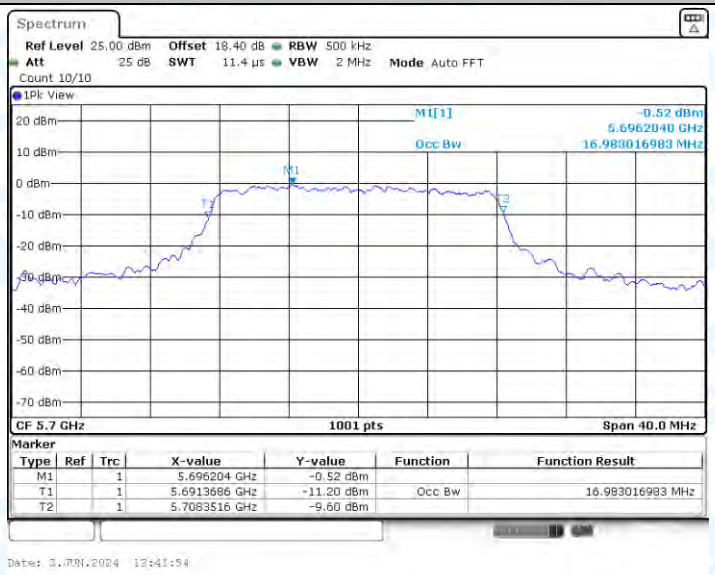


11A-CDD_Ant1_5700



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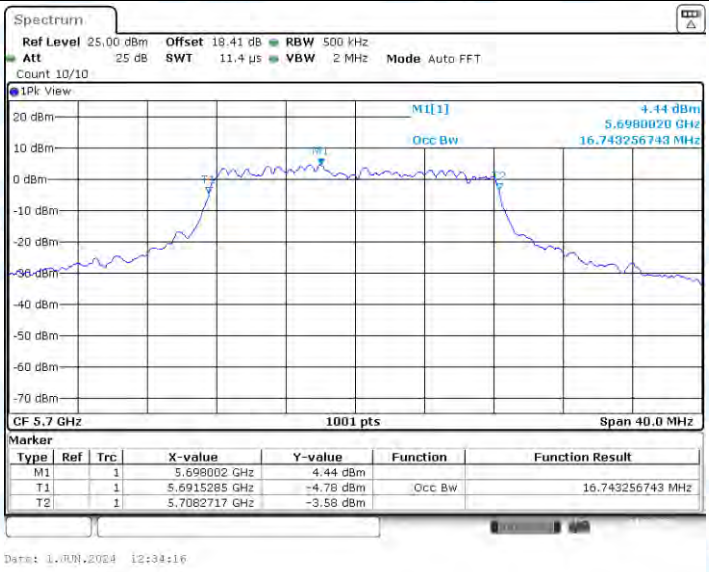
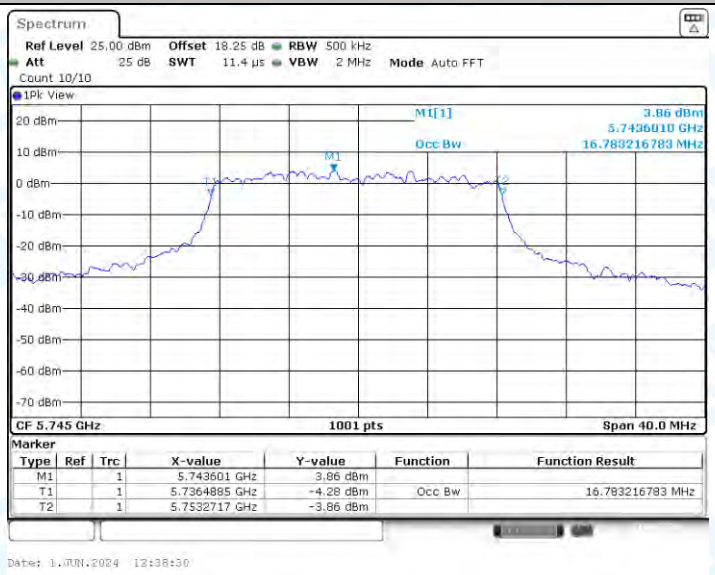


11A-CDD_Ant1_5745

11A-CDD_Ant2_5745



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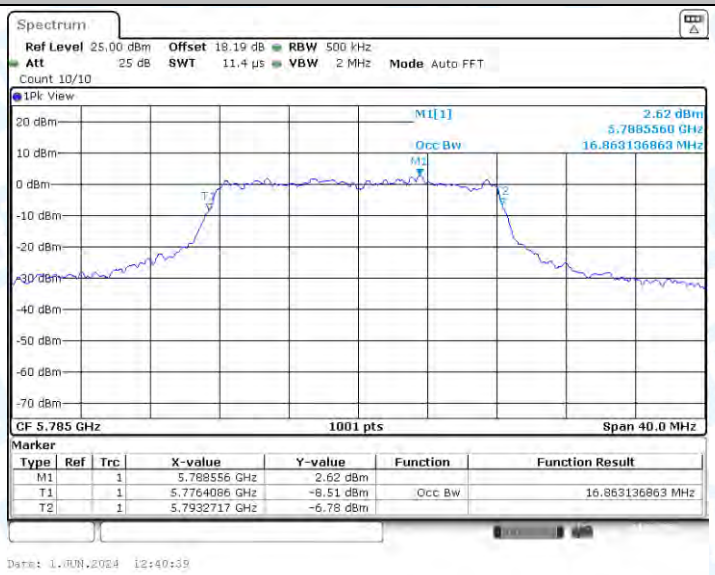
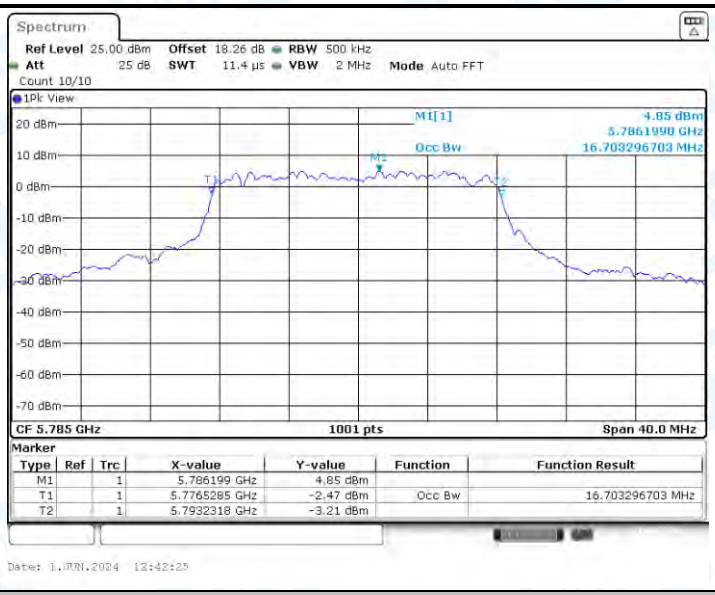
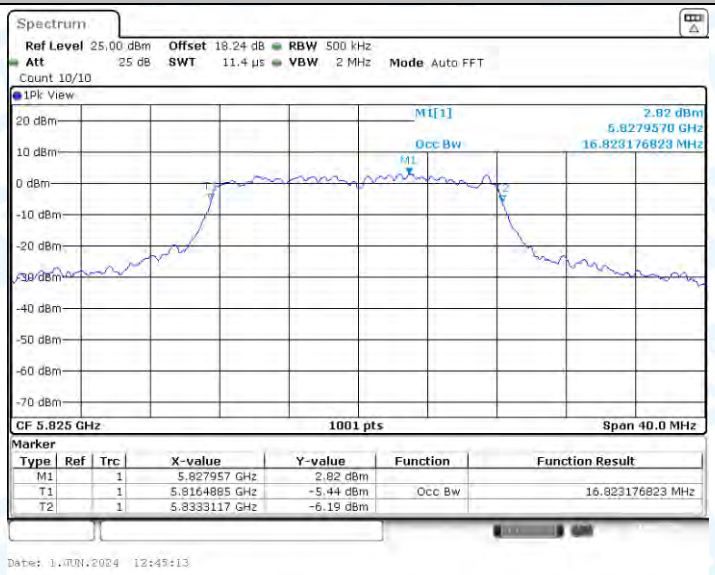


11A-CDD_Ant2_5785



11A-CDD_Ant1_5825



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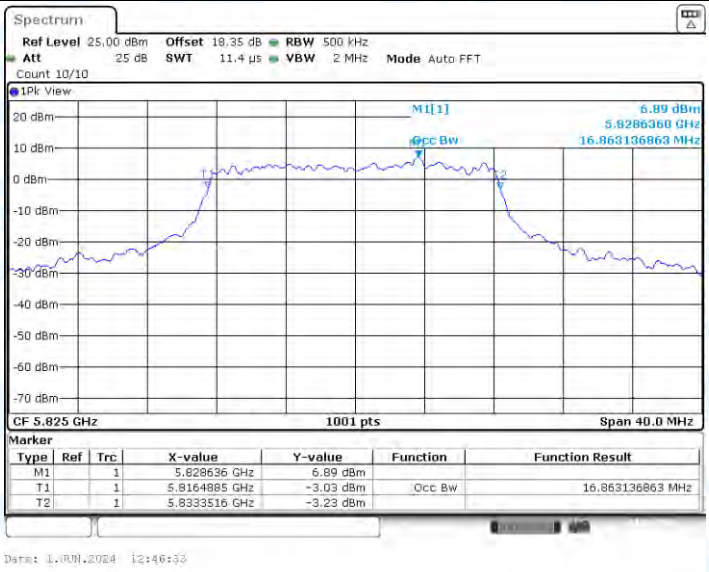
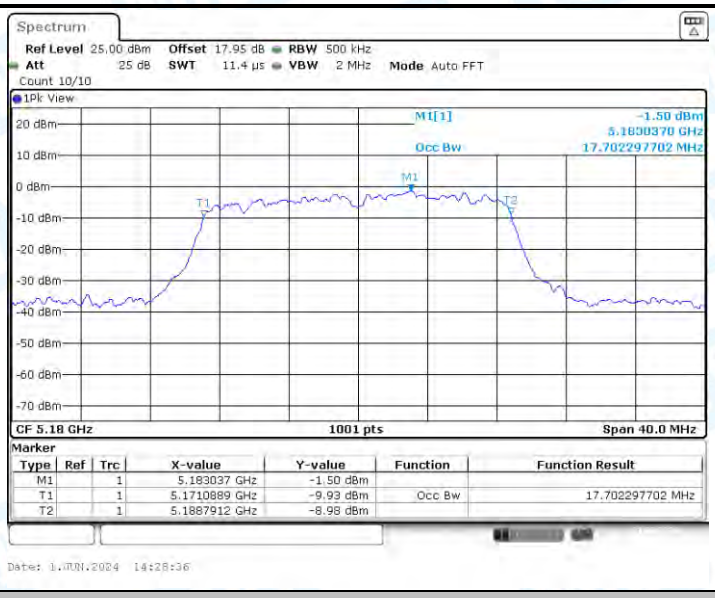


11N20-MIMO_Ant1_5180



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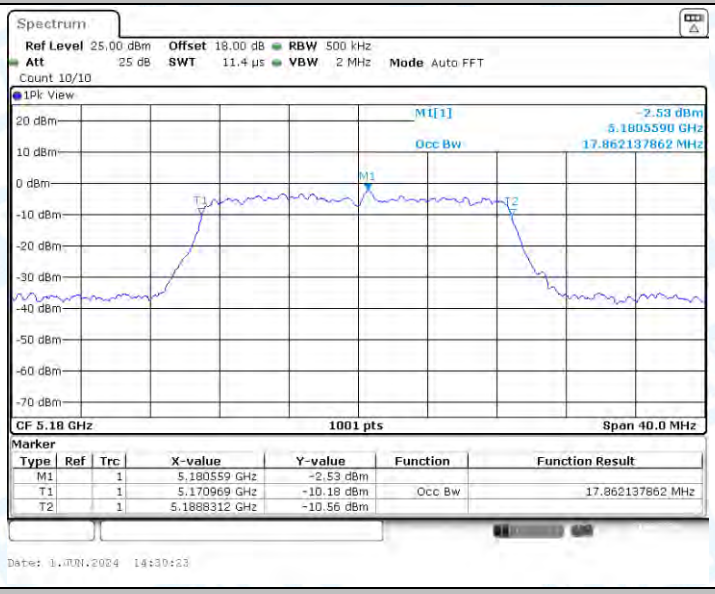
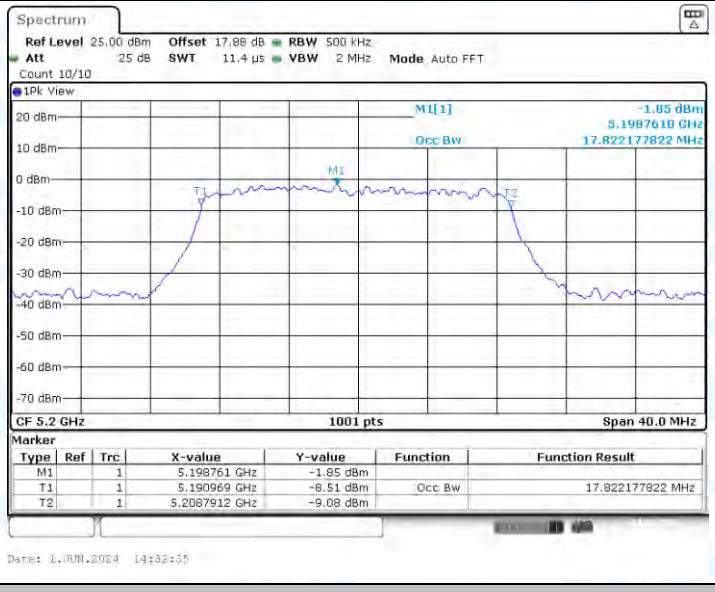
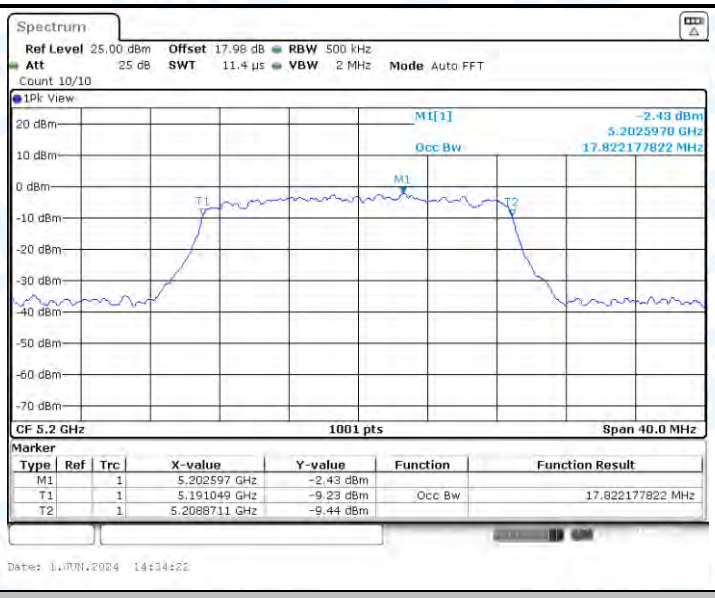


11N20-MIMO_Ant1_5200

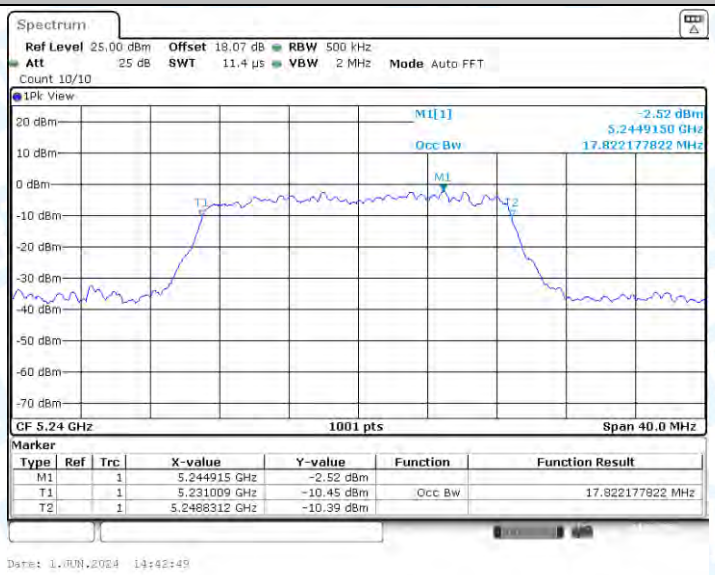


11N20-MIMO_Ant2_5200



11N20-MIMO_Ant1_5240

11N20-MIMO_Ant2_5240



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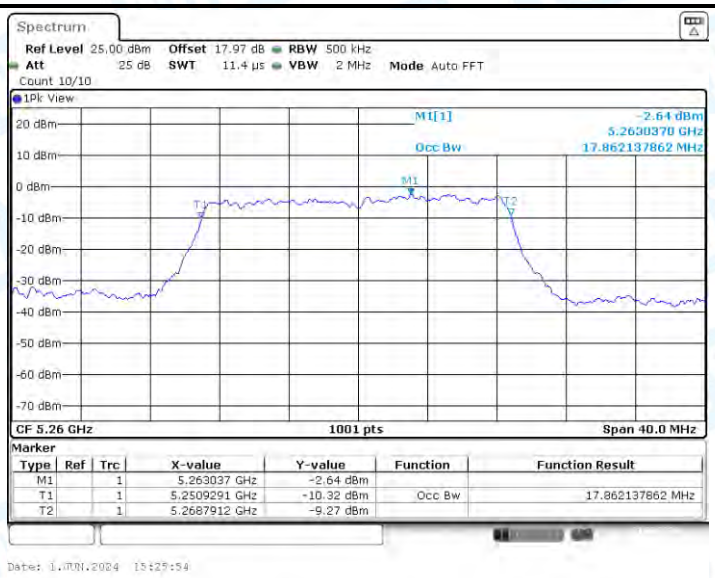
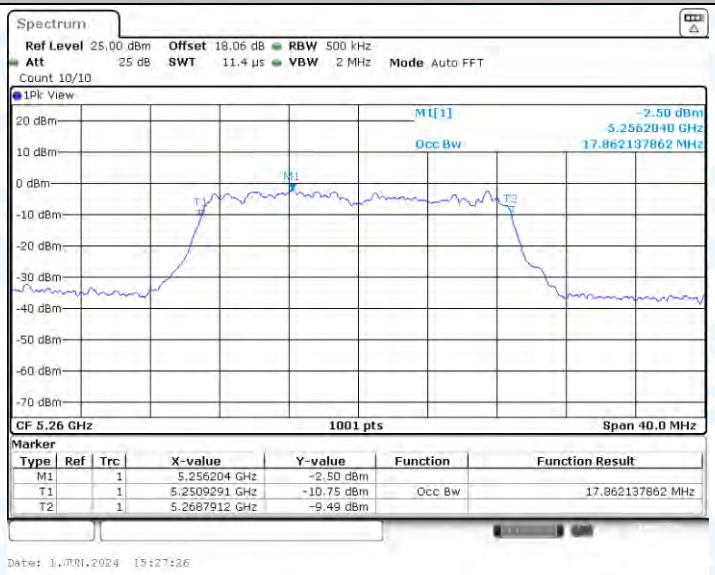
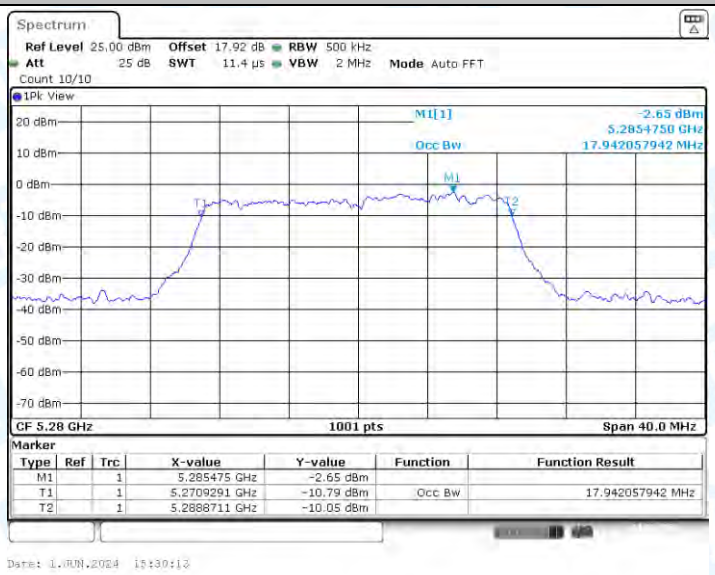


11N20-MIMO_Ant2_5260



11N20-MIMO_Ant1_5280



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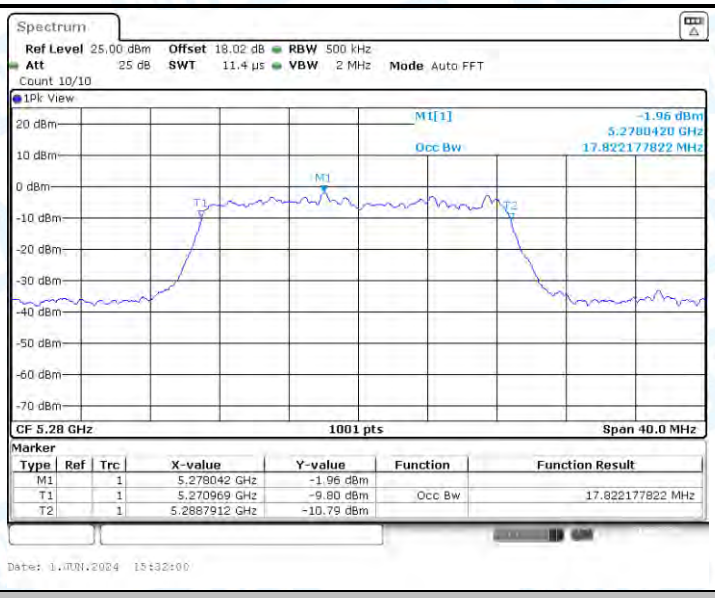

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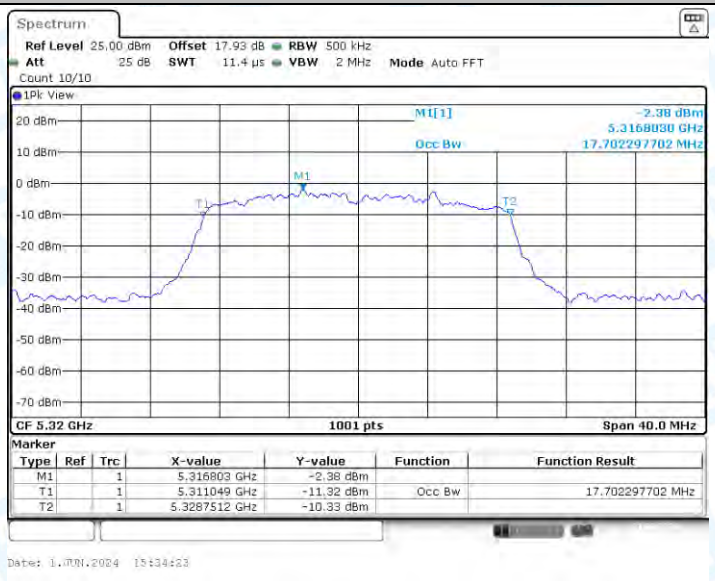

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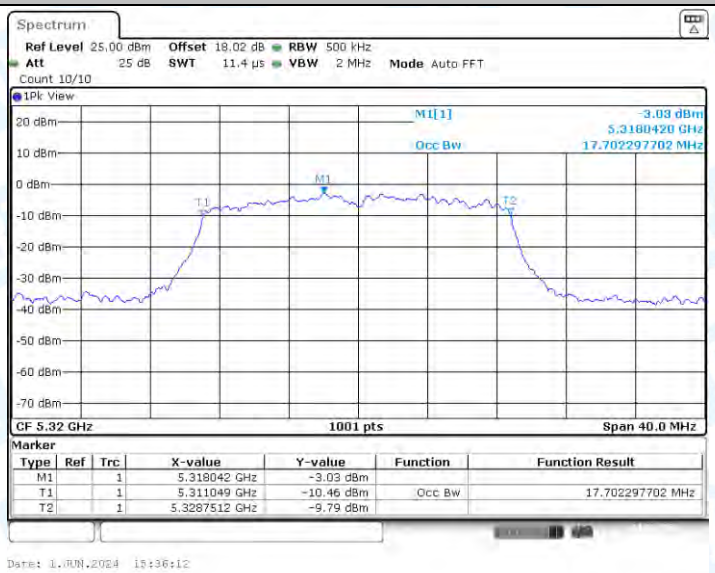
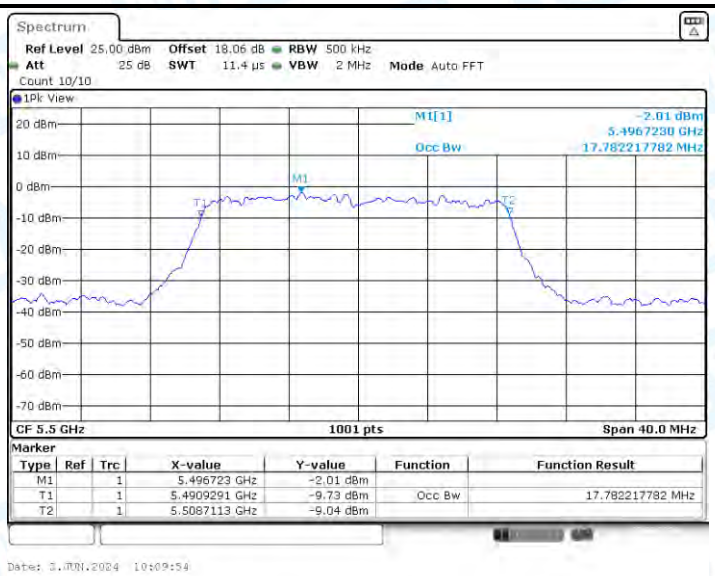


11N20-MIMO_Ant1_5500



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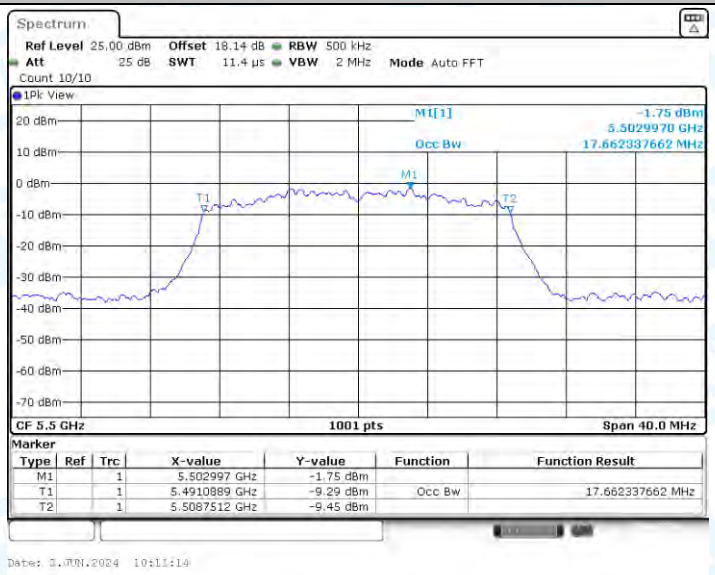

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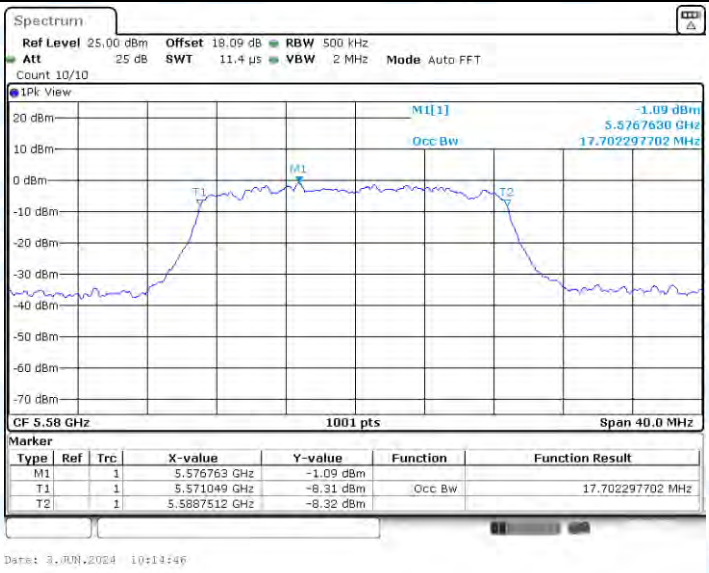

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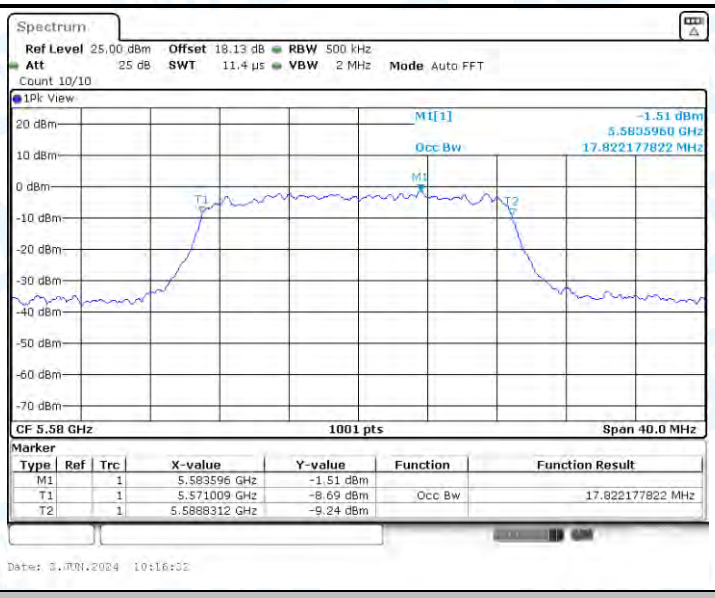
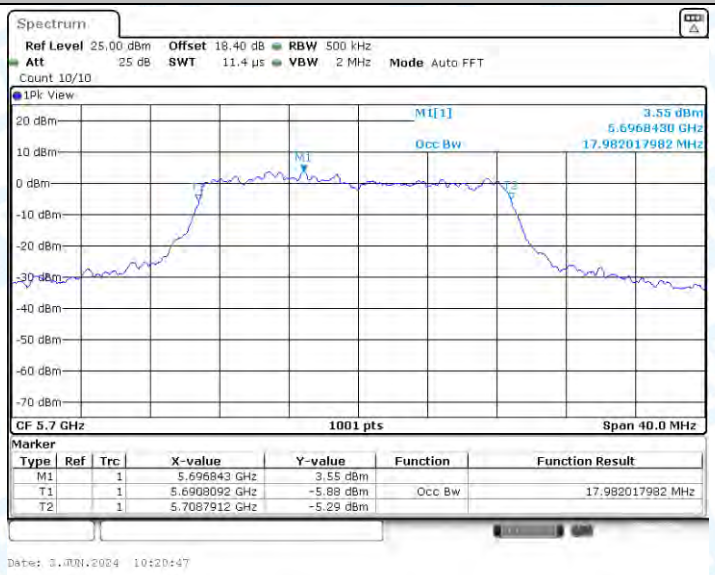
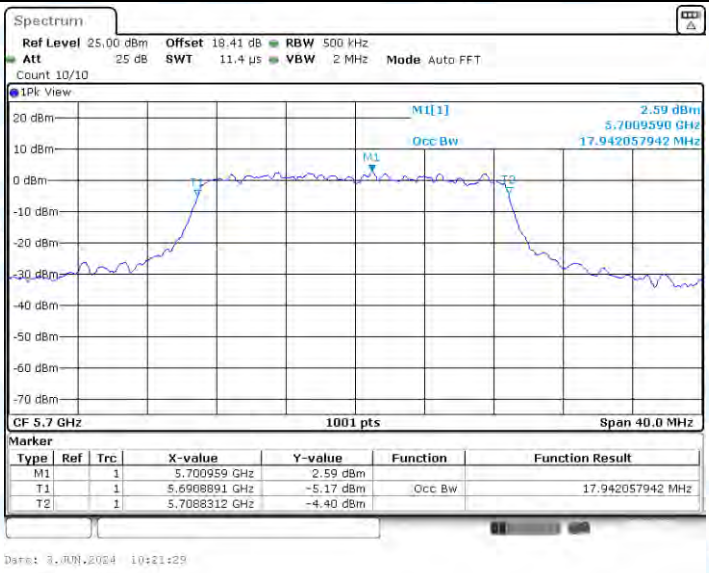


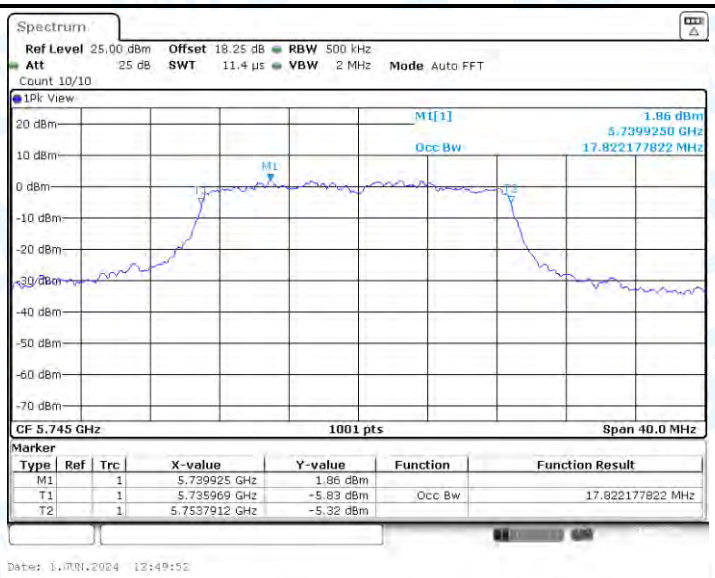
11N20-MIMO_Ant1_5700



11N20-MIMO_Ant2_5700



11N20-MIMO_Ant1_5745



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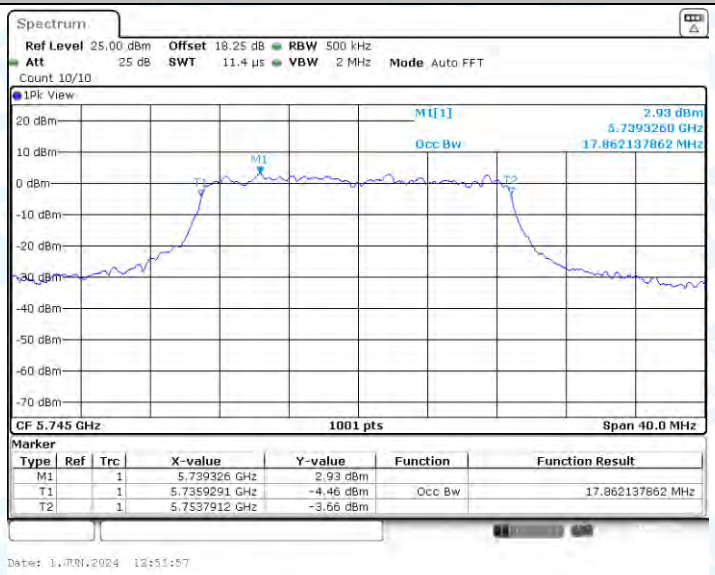
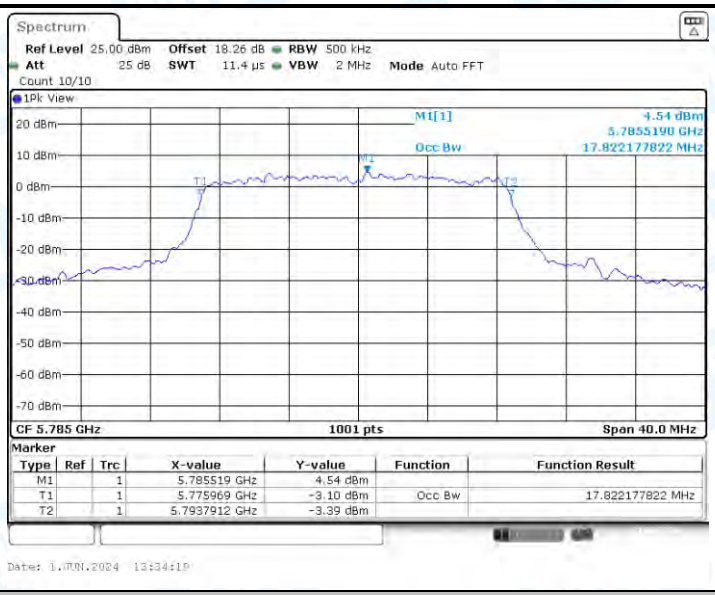


11N20-MIMO_Ant1_5785

11N20-MIMO_Ant2_5785



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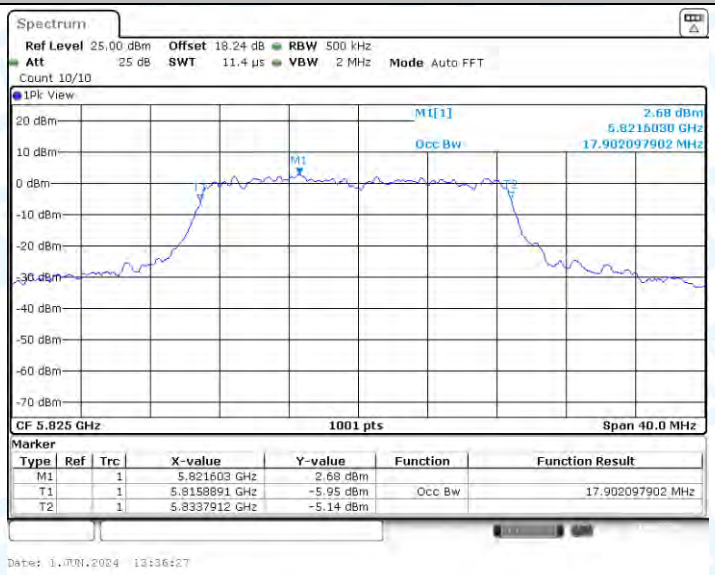

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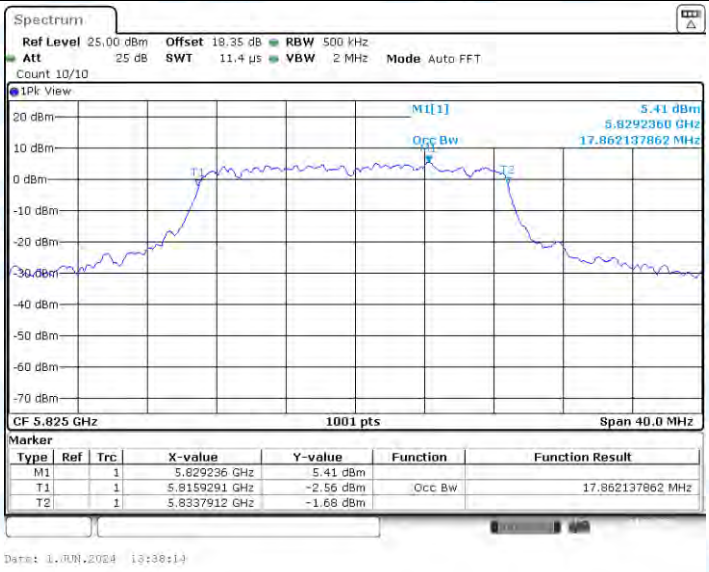
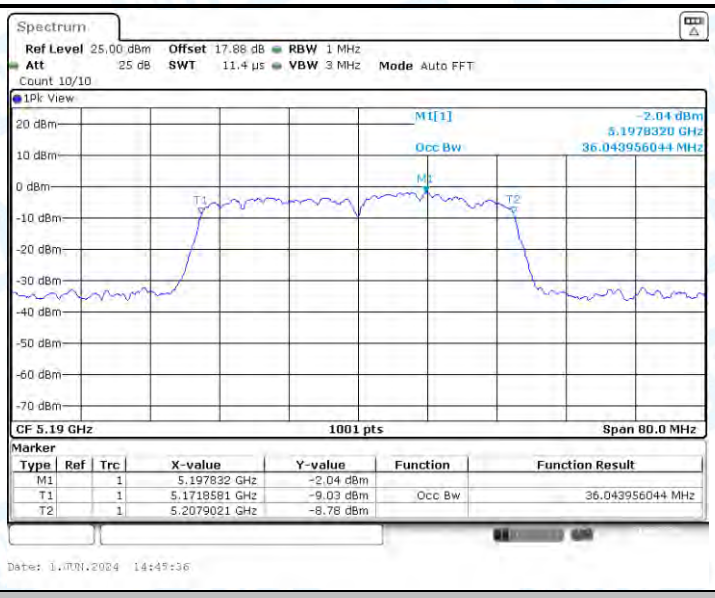


11N40-MIMO_Ant1_5190



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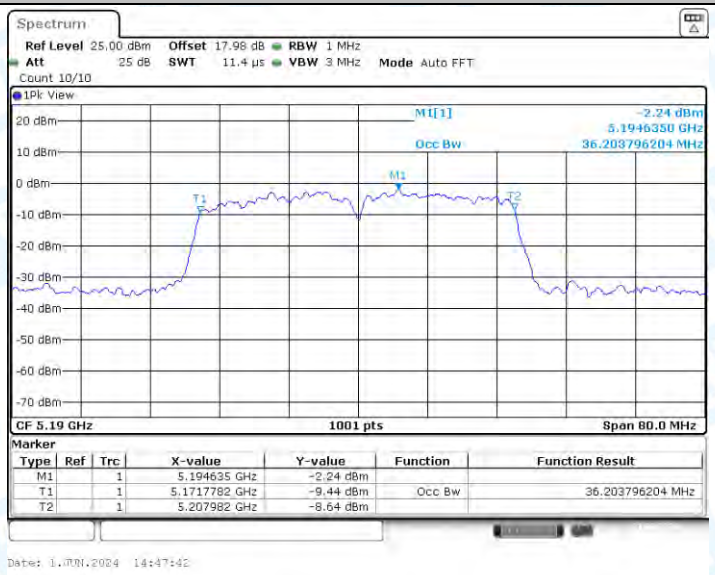
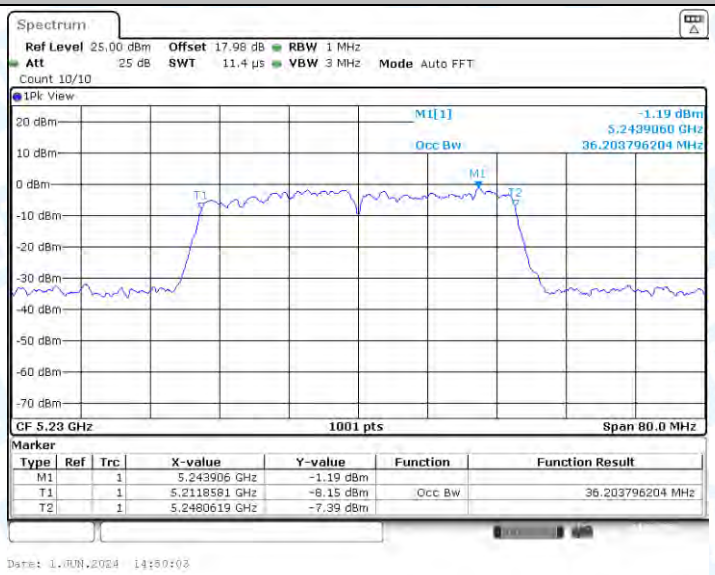


11N40-MIMO_Ant1_5230



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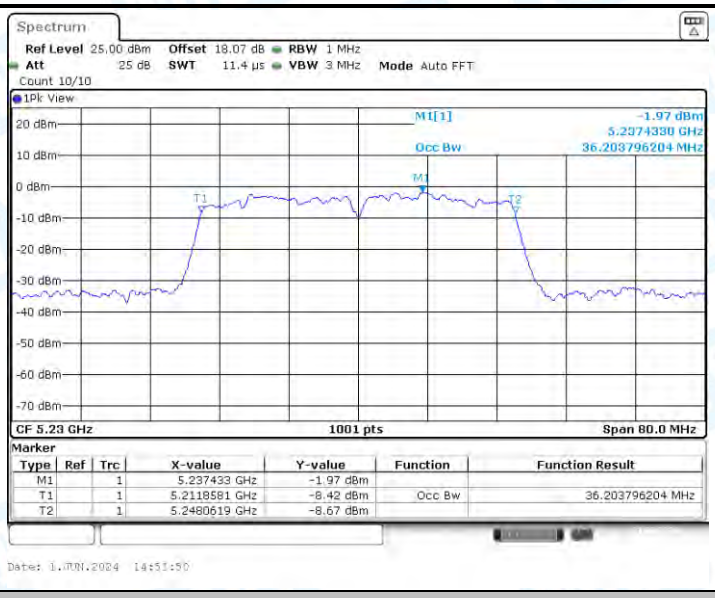

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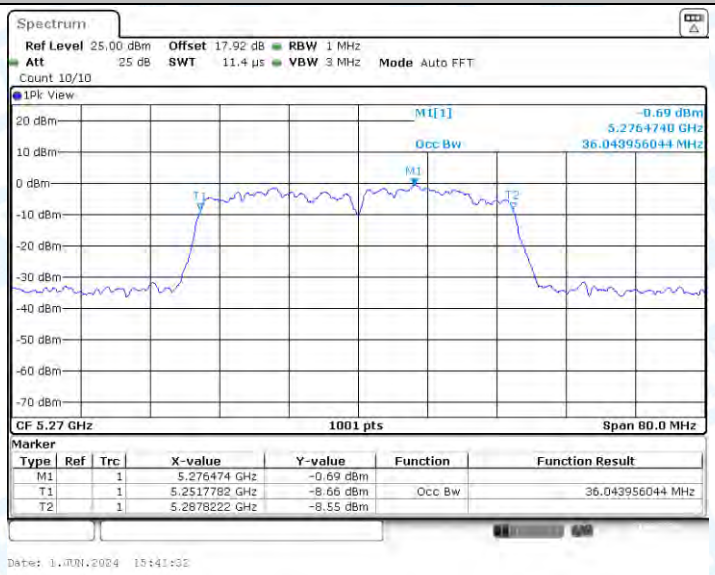
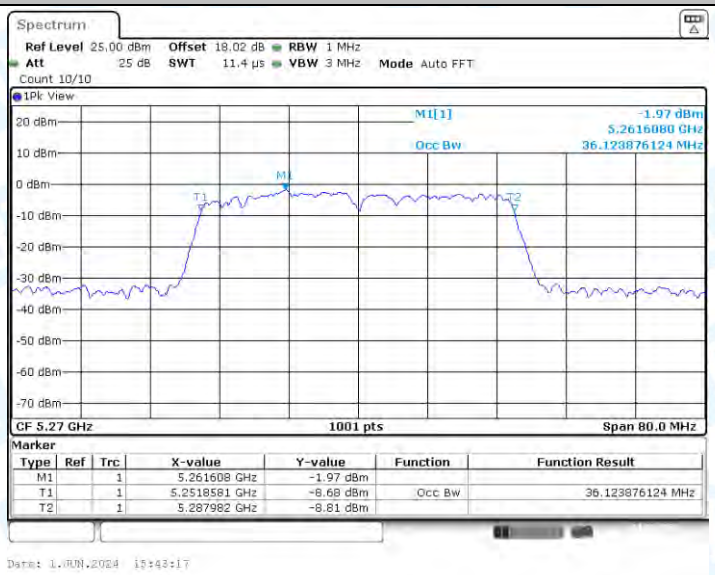
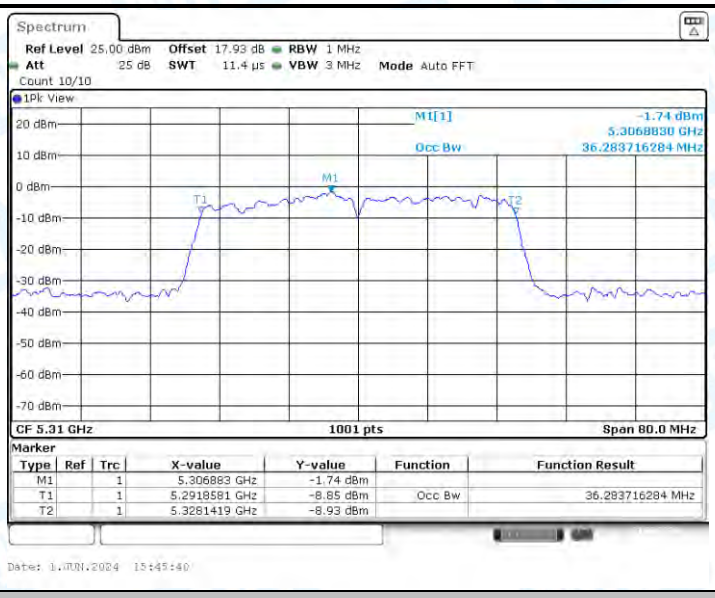


11N40-MIMO_Ant2_5270



11N40-MIMO_Ant1_5310



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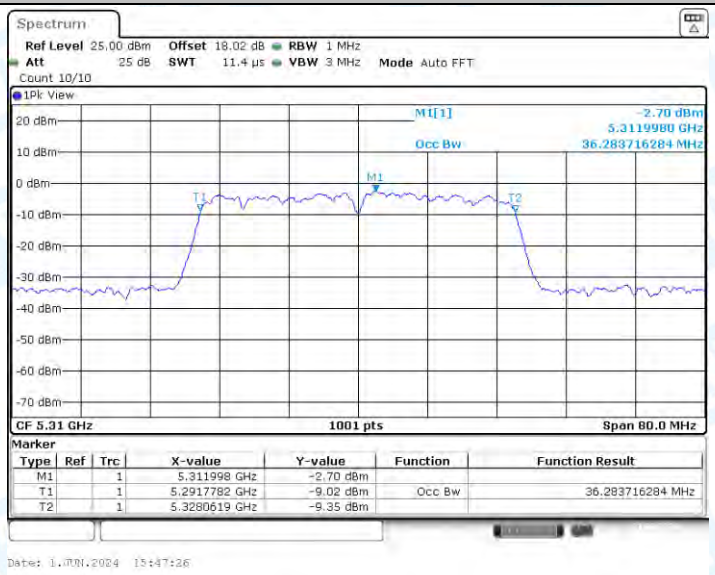
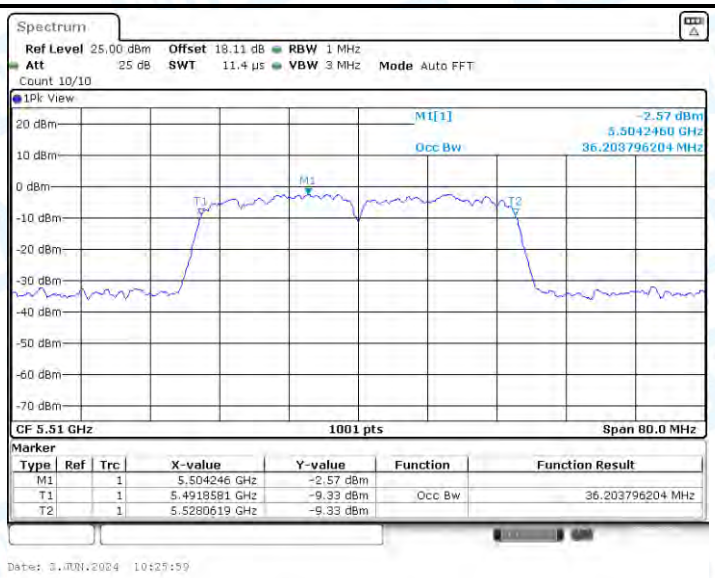
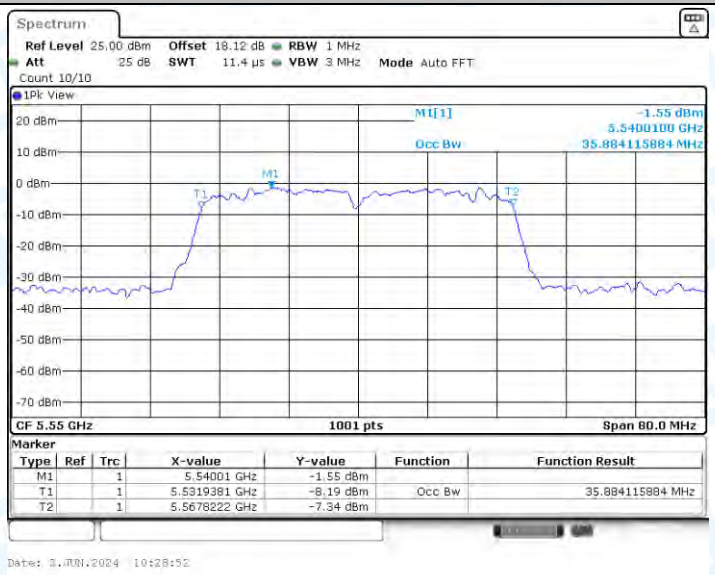


11N40-MIMO_Ant1_5510

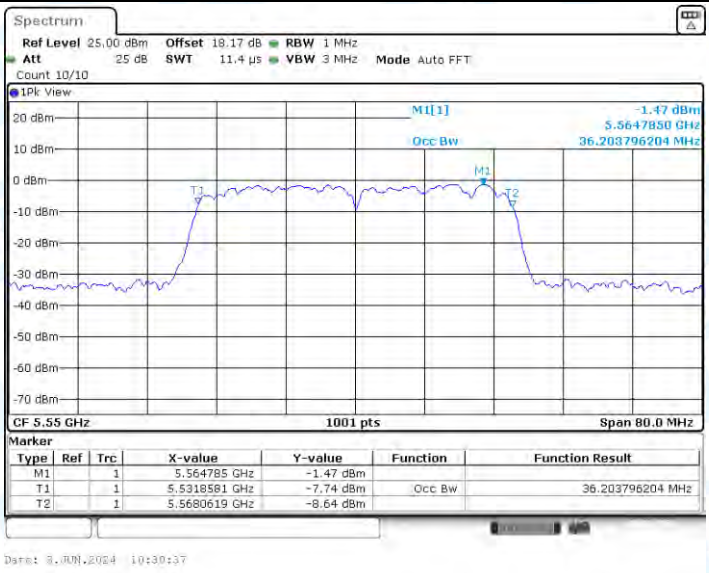
11N40-MIMO_Ant2_5510



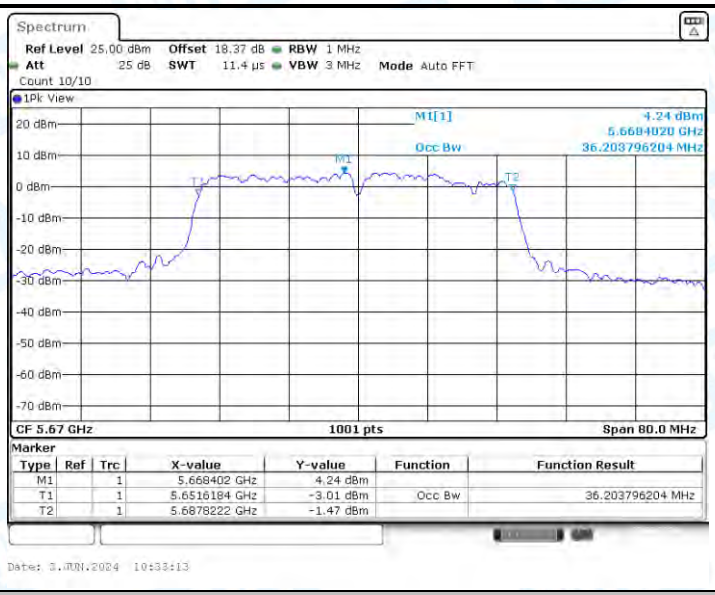
11N40-MIMO_Ant1_5550



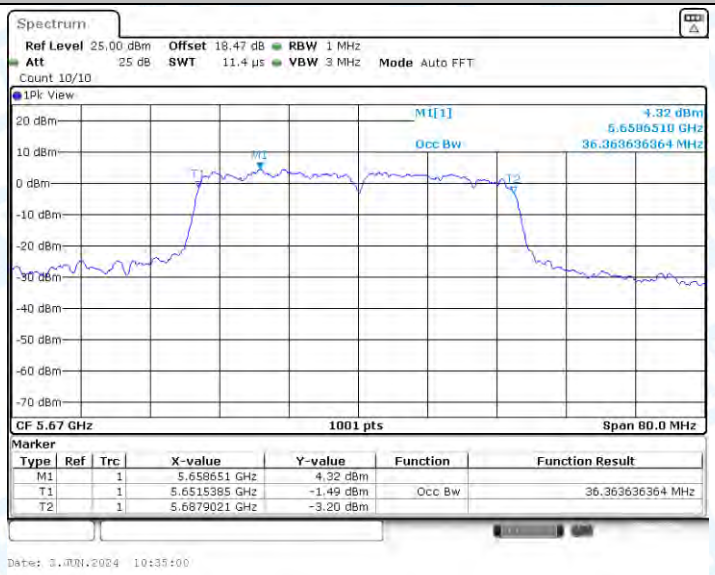
11N40-MIMO_Ant2_5550



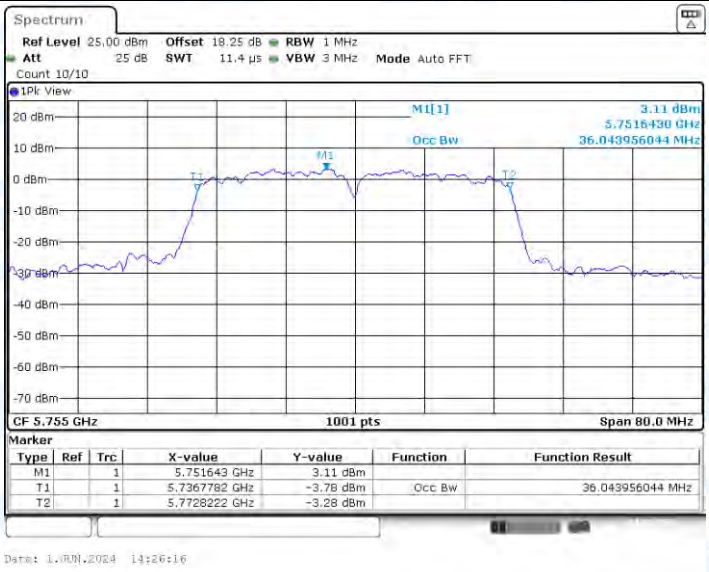
11N40-MIMO_Ant1_5670



11N40-MIMO_Ant2_5670



11N40-MIMO_Ant1_5755



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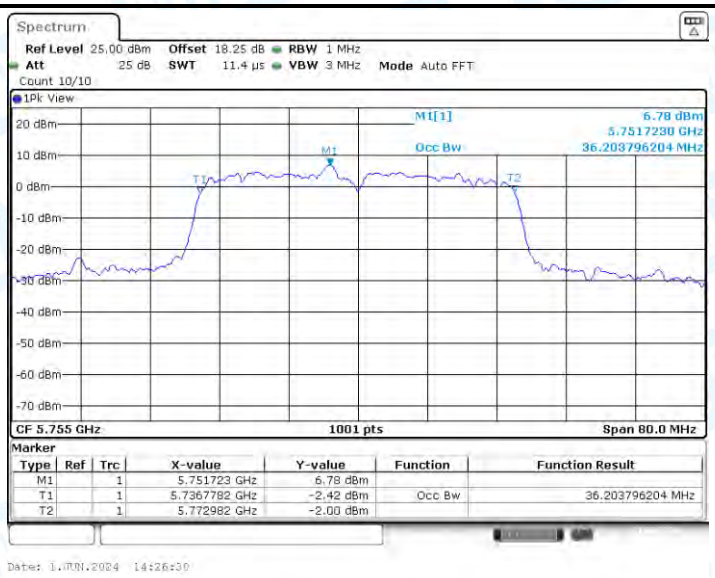
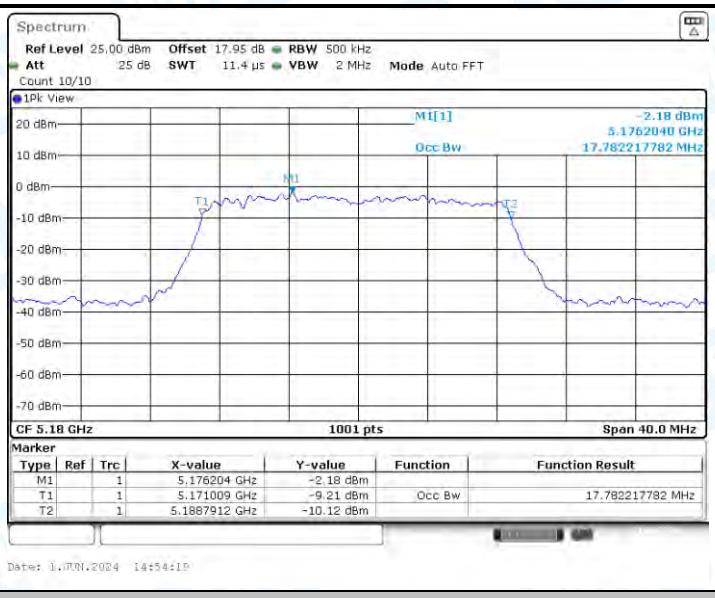


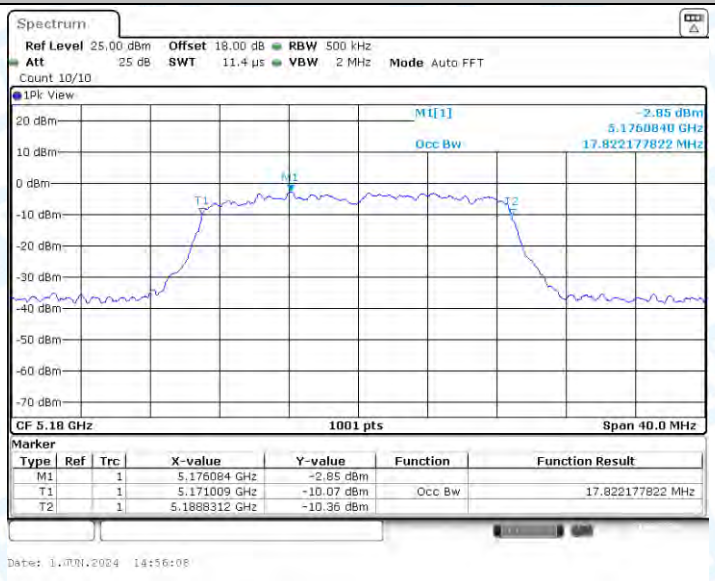
11N40-MIMO_Ant1_5795

11N40-MIMO_Ant2_5795

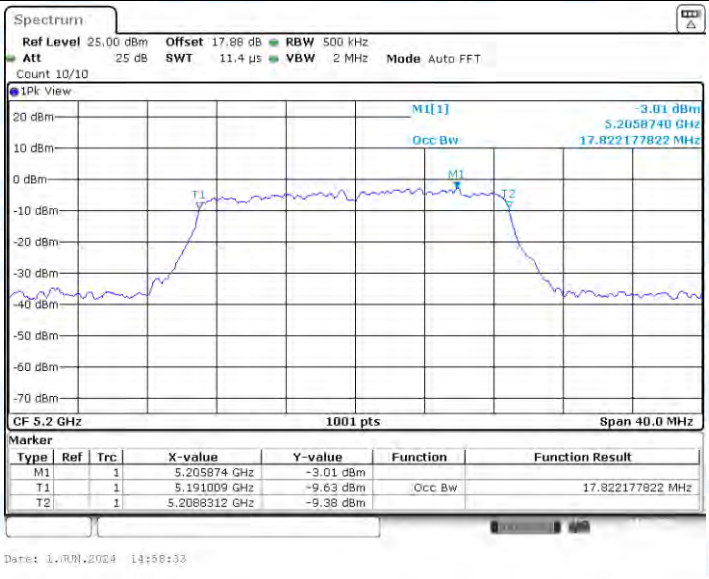
11AC20-MIMO_Ant1_5180



11AC20-MIMO_Ant2_5180



11AC20-MIMO_Ant1_5200



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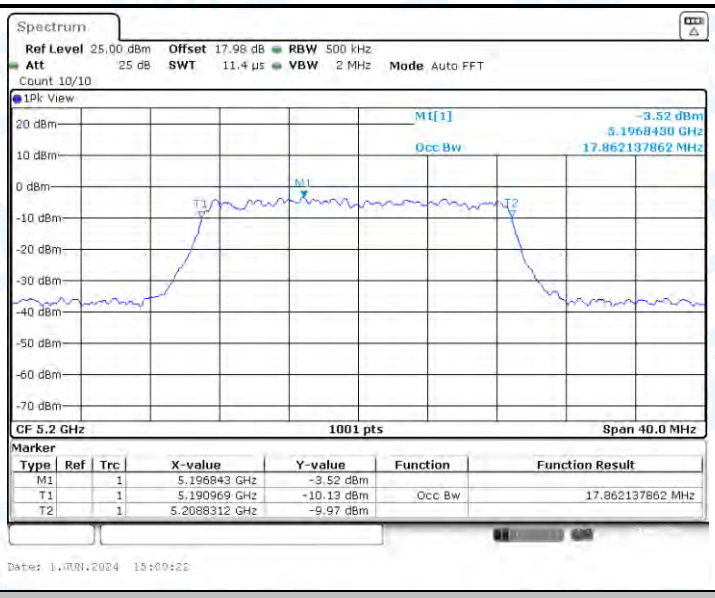
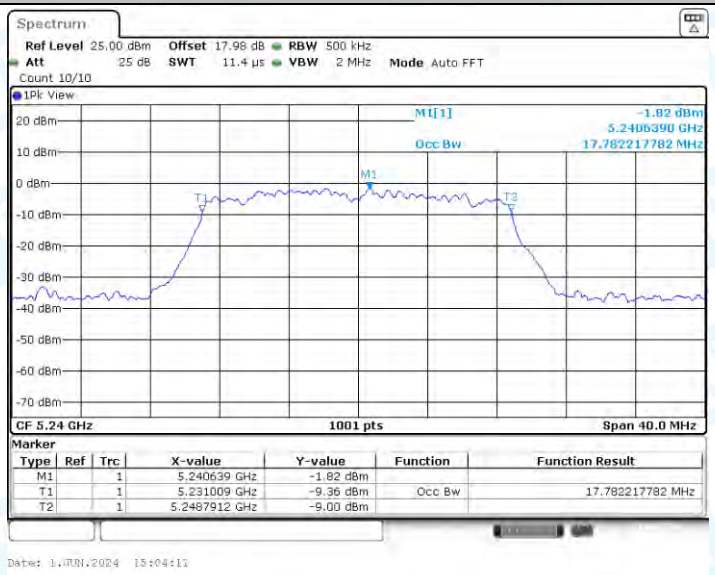
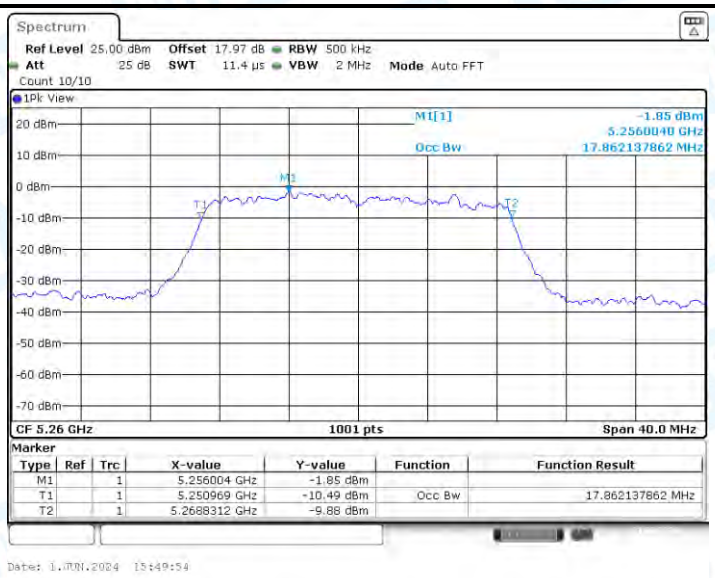


11AC20-MIMO_Ant1_5240



11AC20-MIMO_Ant2_5240

11AC20-MIMO_Ant1_5260



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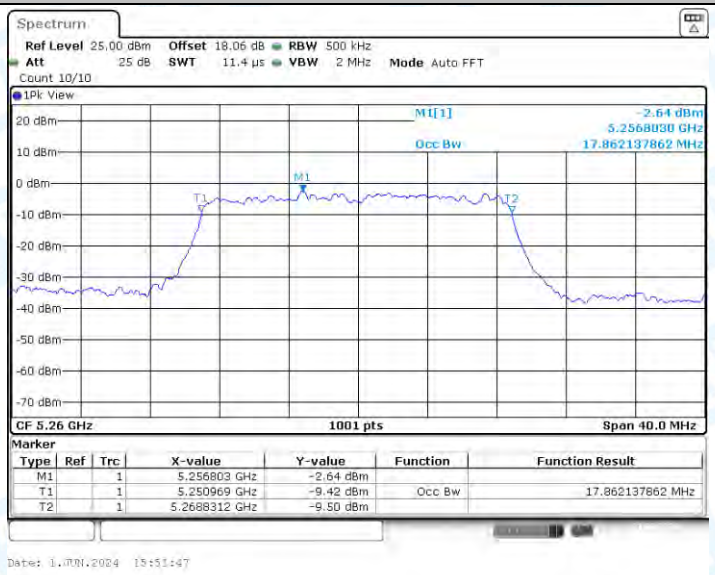

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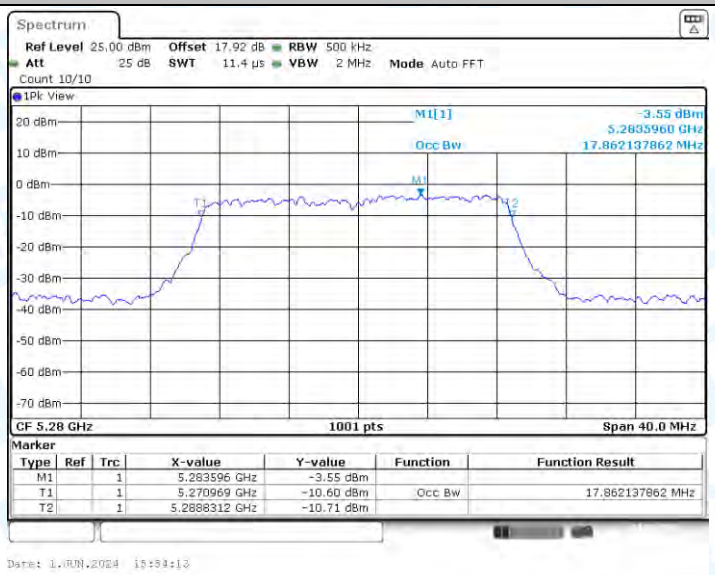

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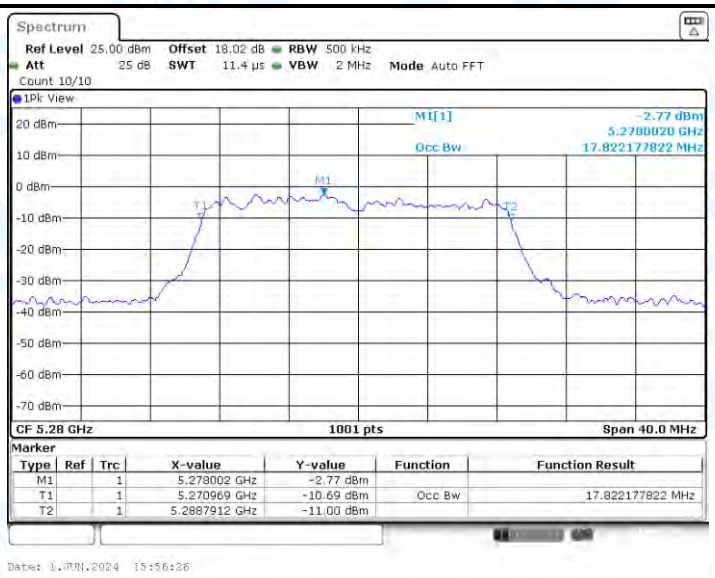

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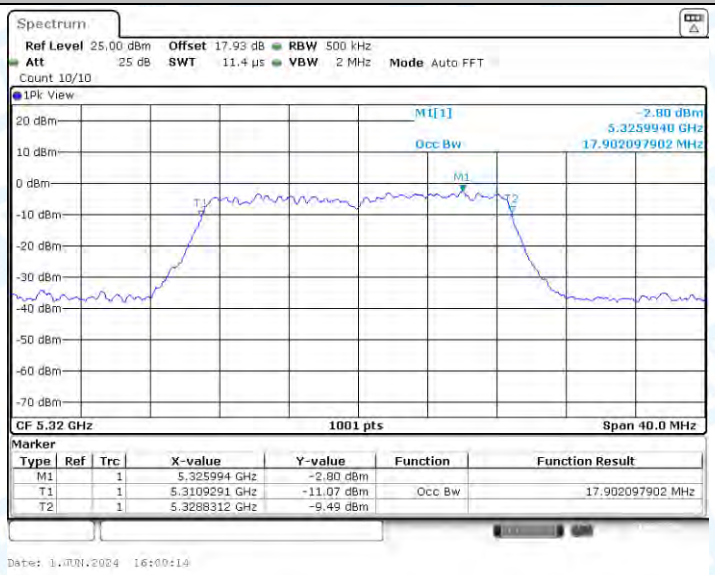

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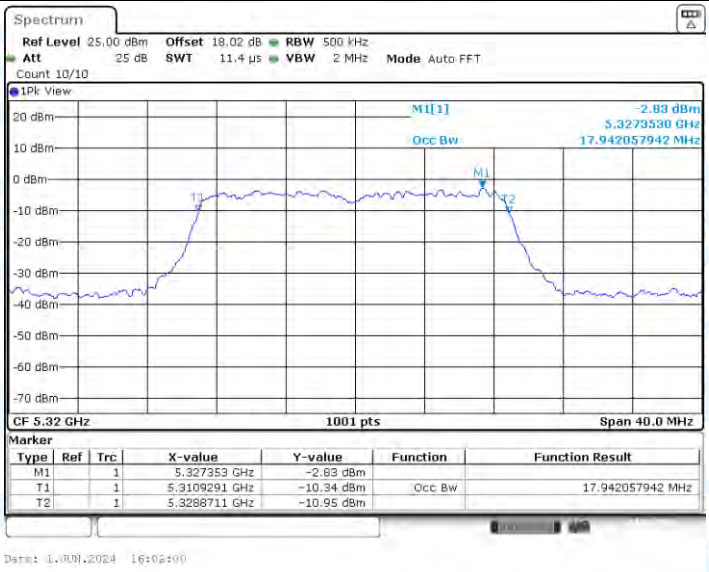
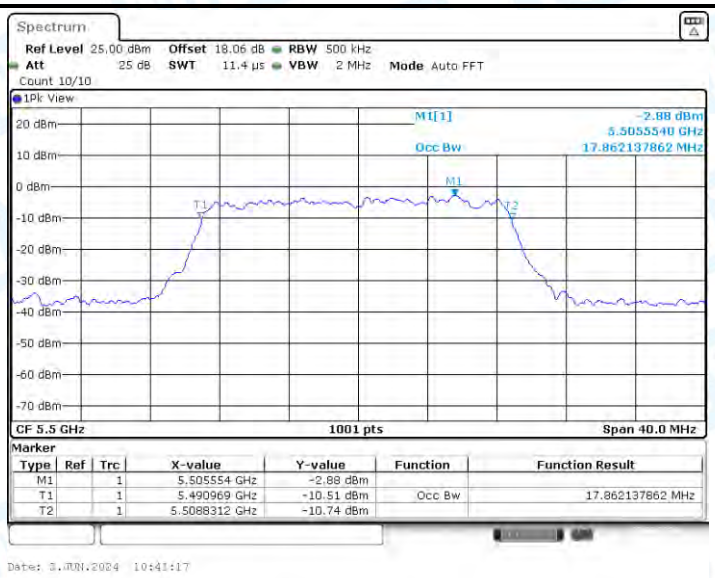


11AC20-MIMO_Ant1_5500



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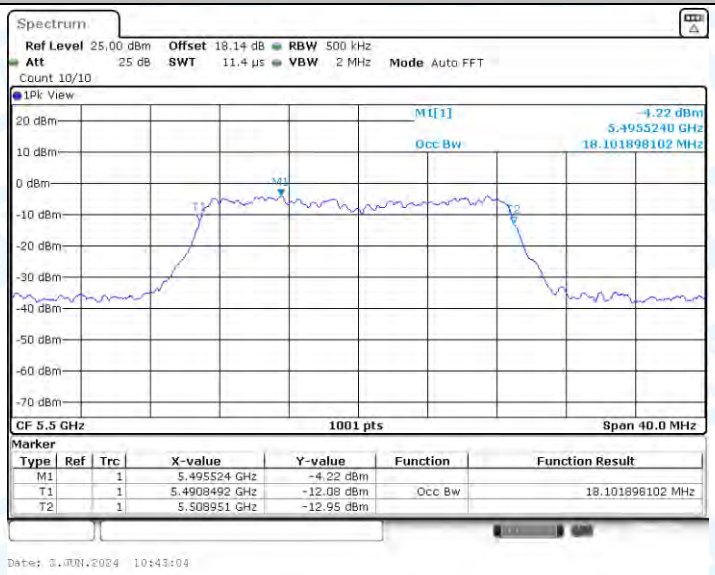

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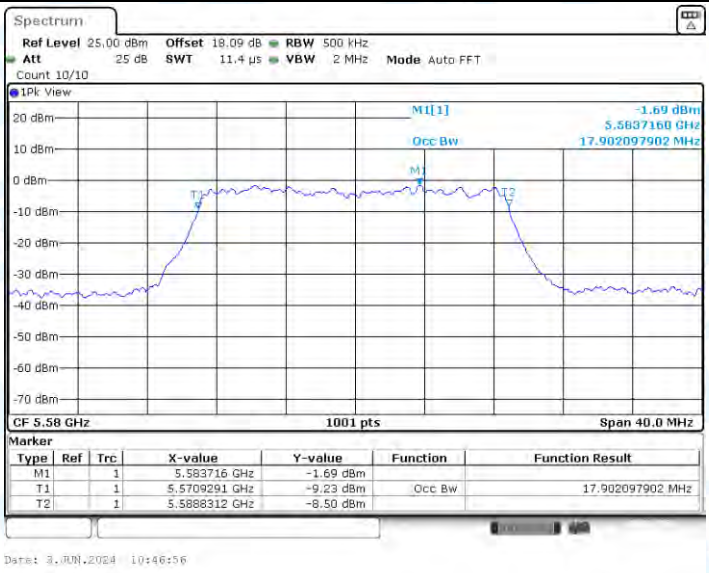

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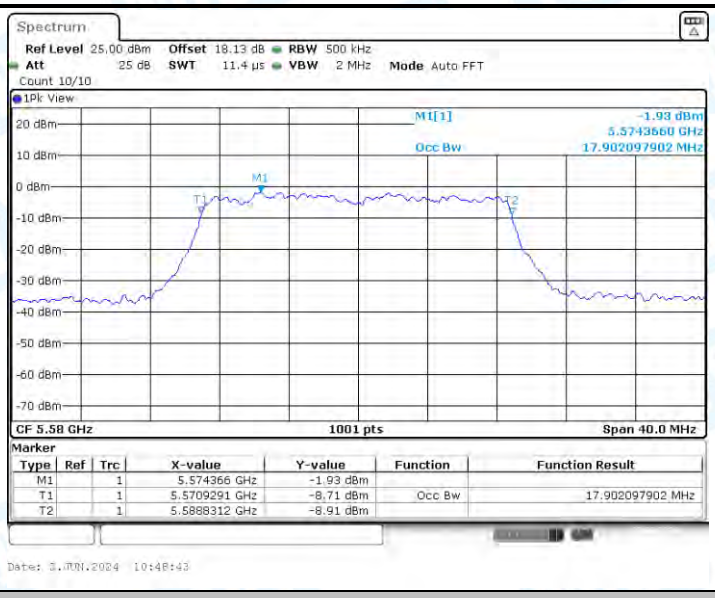

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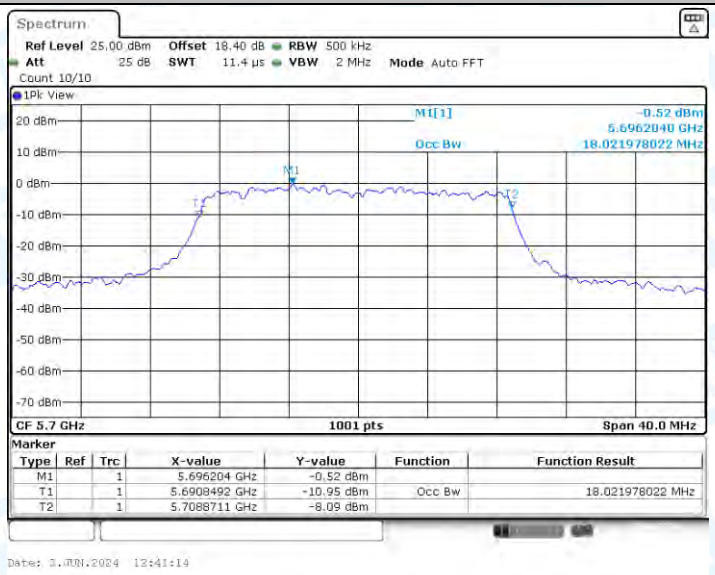
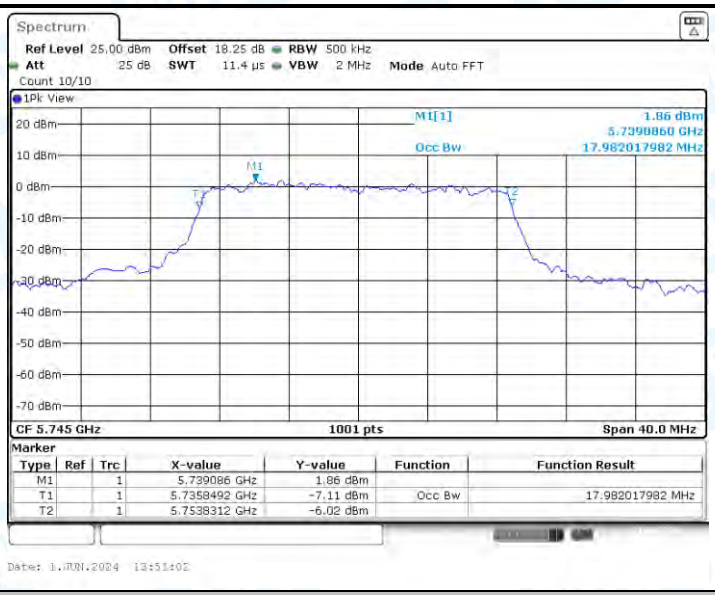


11AC20-MIMO_Ant2_5700

11AC20-MIMO_Ant1_5745



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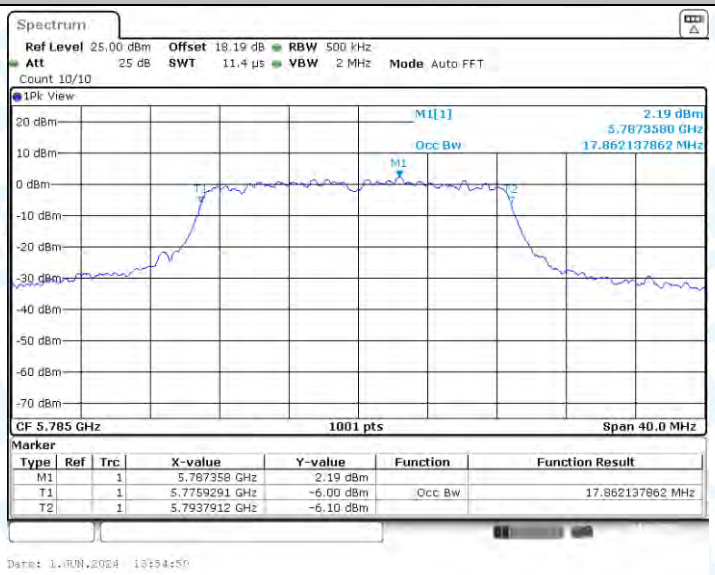

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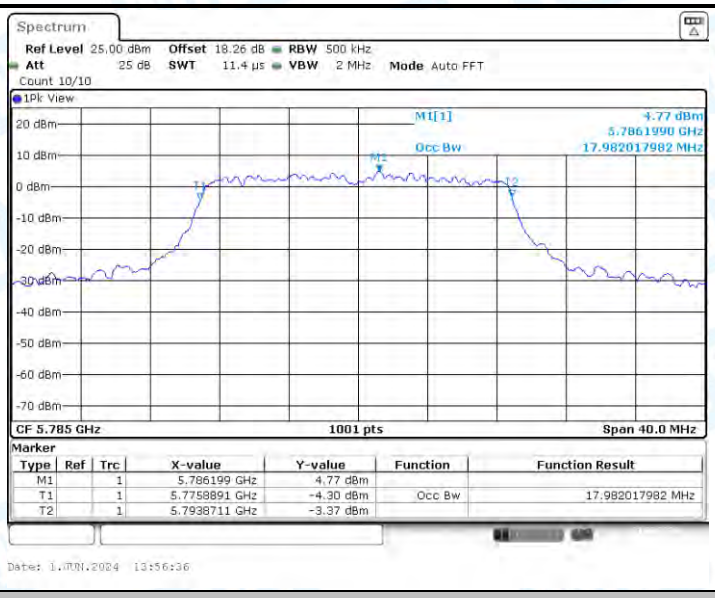

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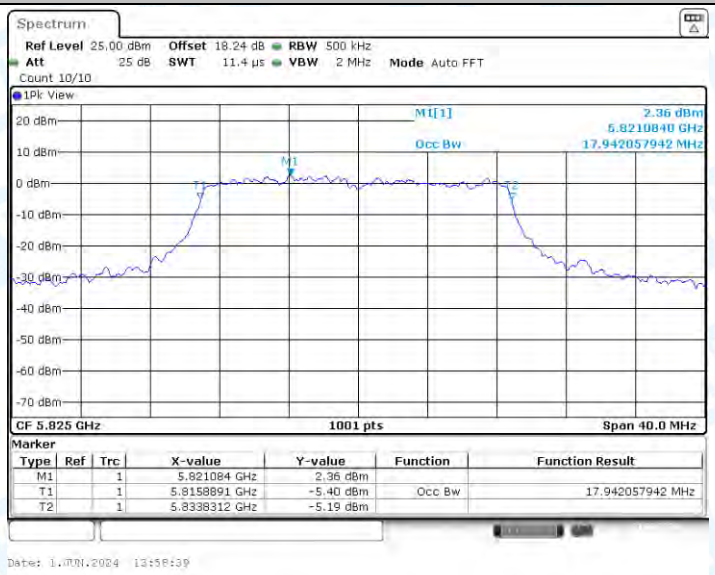

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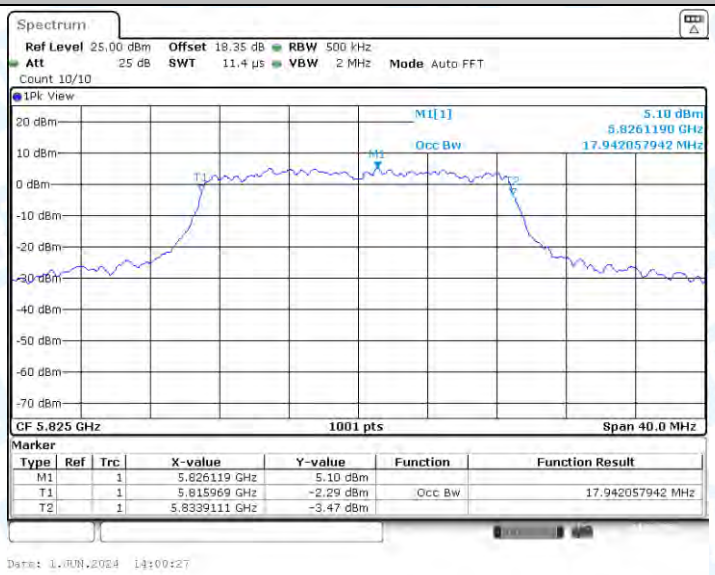

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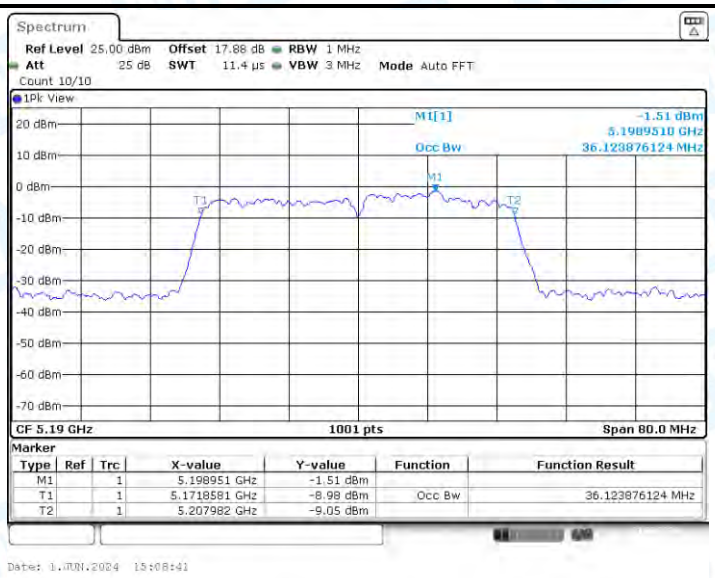

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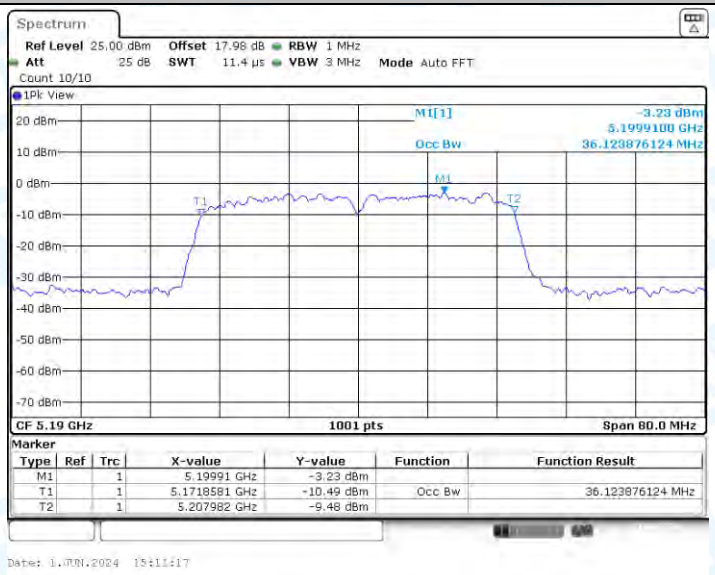

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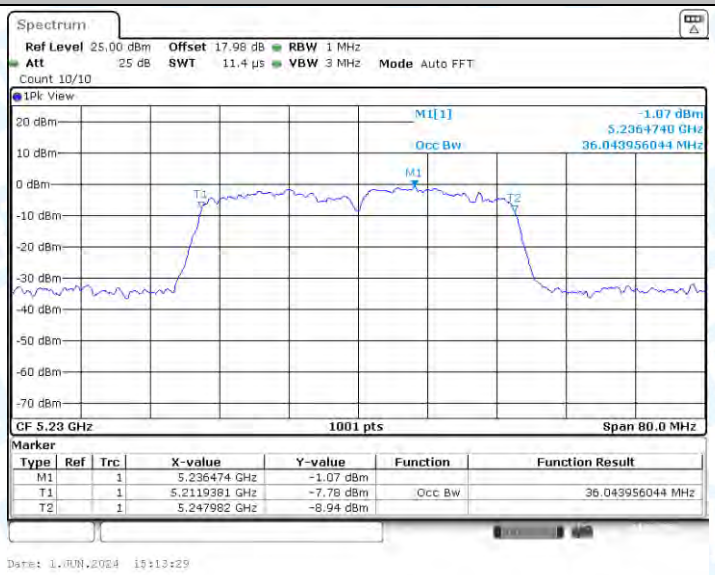

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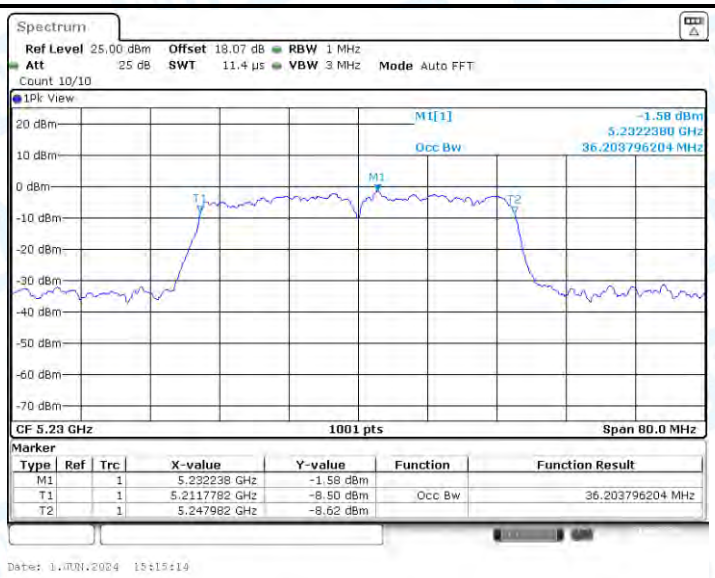

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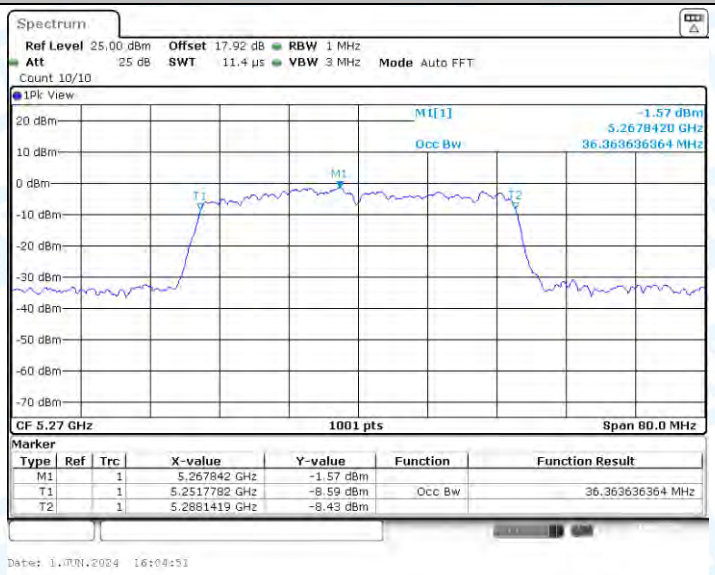

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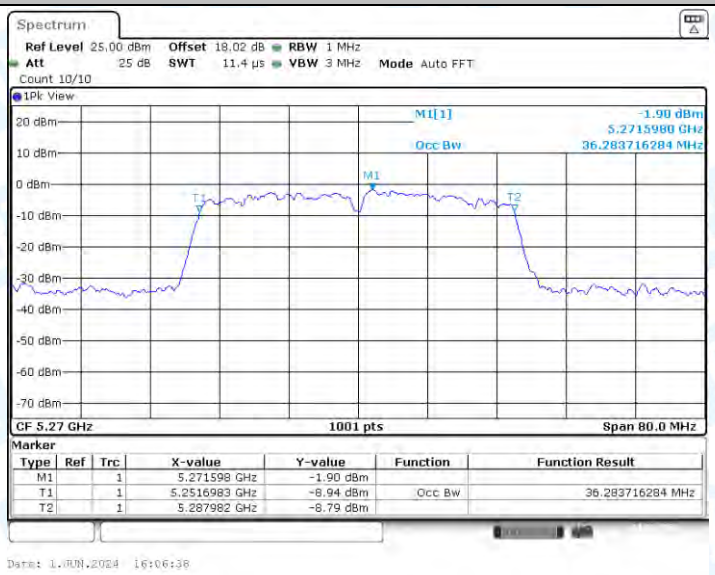

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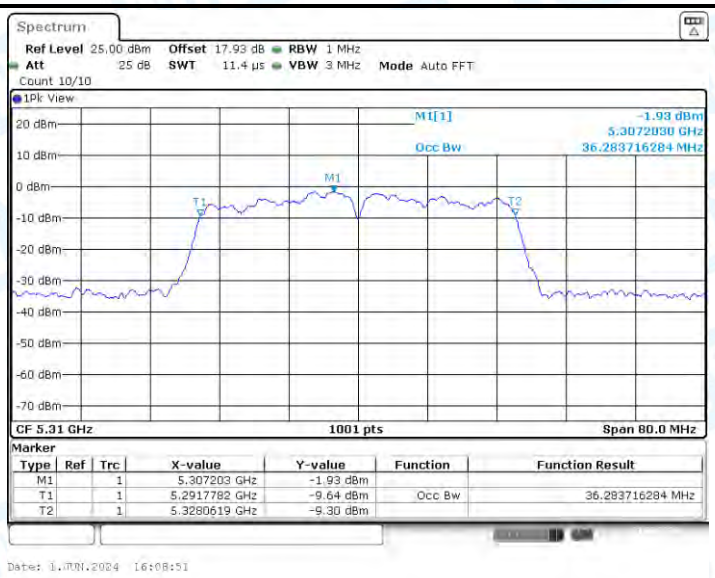

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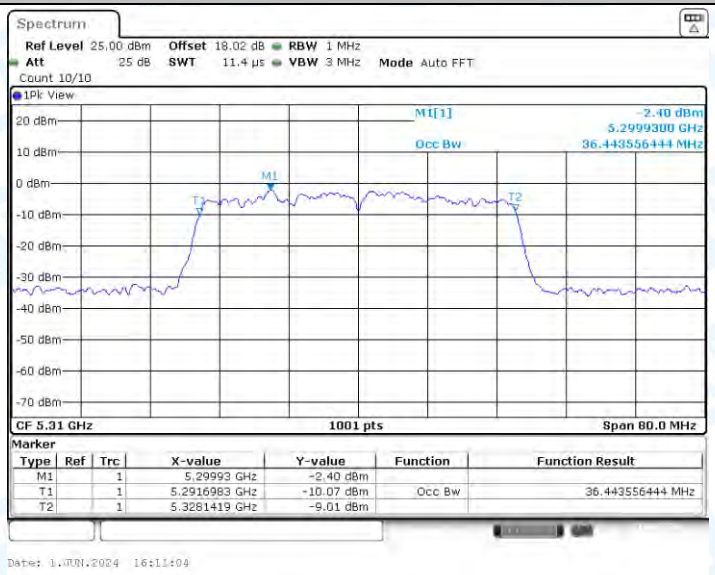

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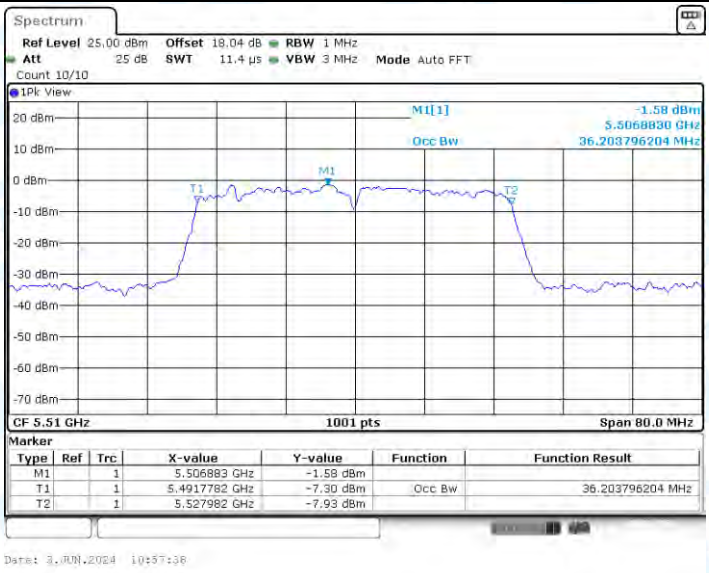

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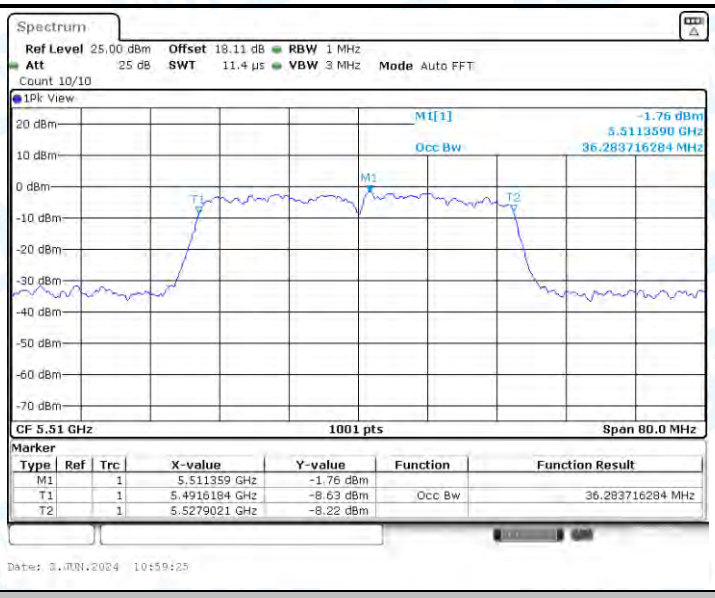

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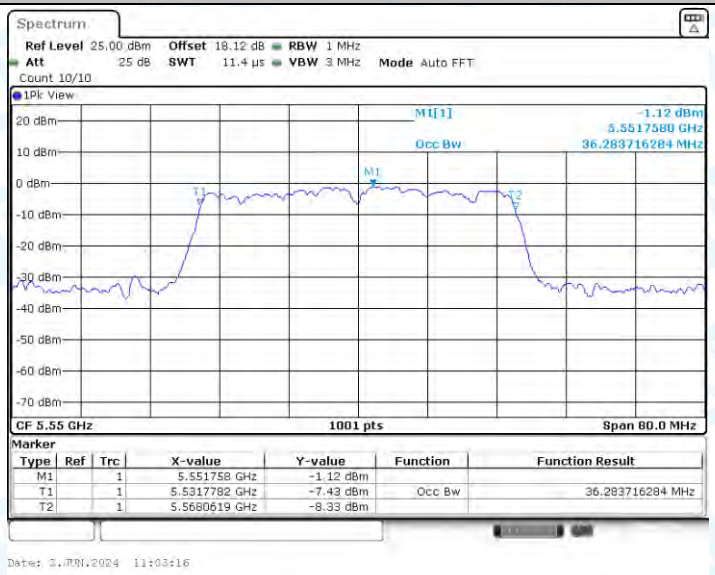

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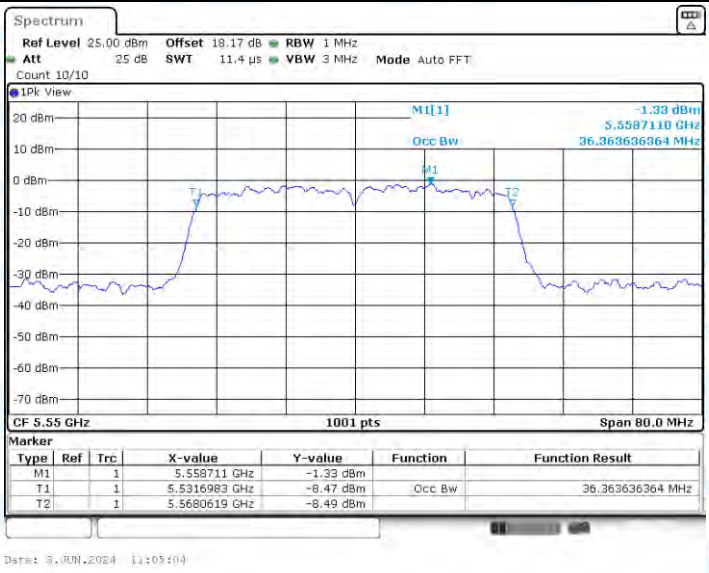

11AC40-MIMO_Ant1_5670