

RF Test Data for 2.4G Wi-Fi (Conducted Measurements)

General Description of EUT	
EUT Name:	Yarbo Core
Model:	2429 US
Sample ID:	HC-C-202406-0011-01-04
Test Standard:	FCC Part 15.247 & RSS 247 Issue 3
Environmental Conditions	
Ambient Temperature:	24.8℃
Ambient Humidity:	50%RH
Test Power Supply:	DC 36V
Test Engineer:	Zkn Zhou
Note: For a more detailed features description, please refer to the report TBR-C-202406-0011-32.	

Contents

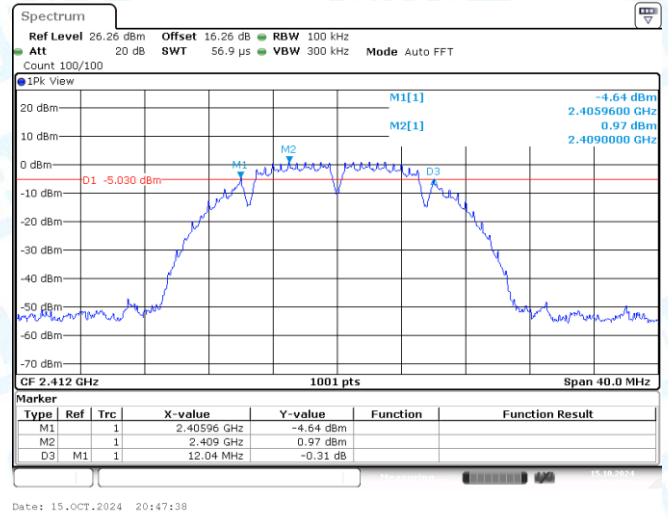
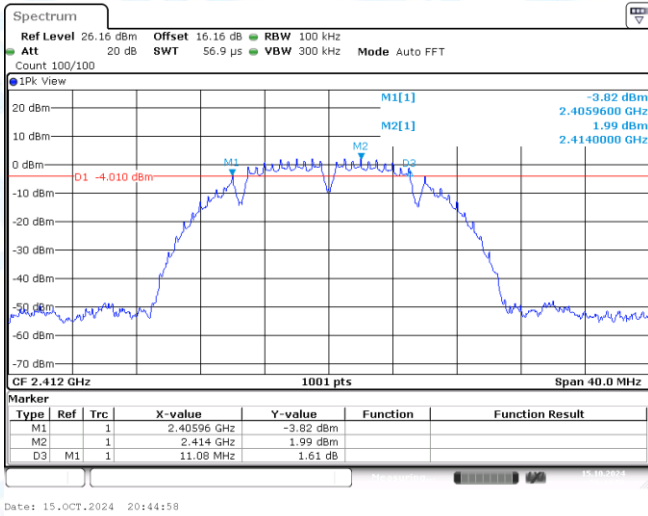
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1: DTS Bandwidth

1.1 Test Result

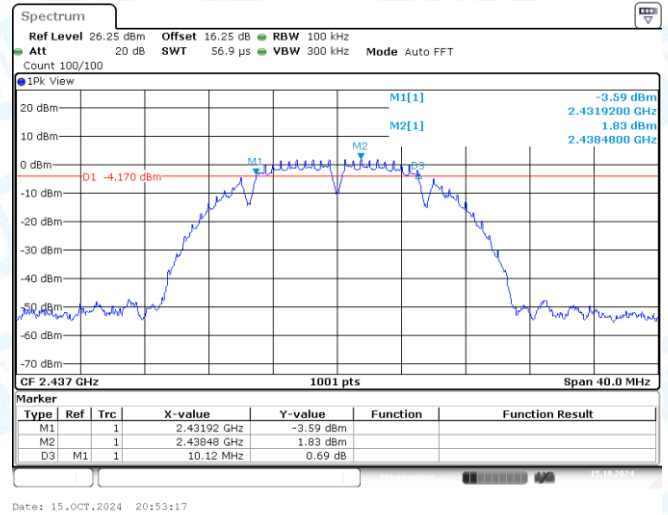
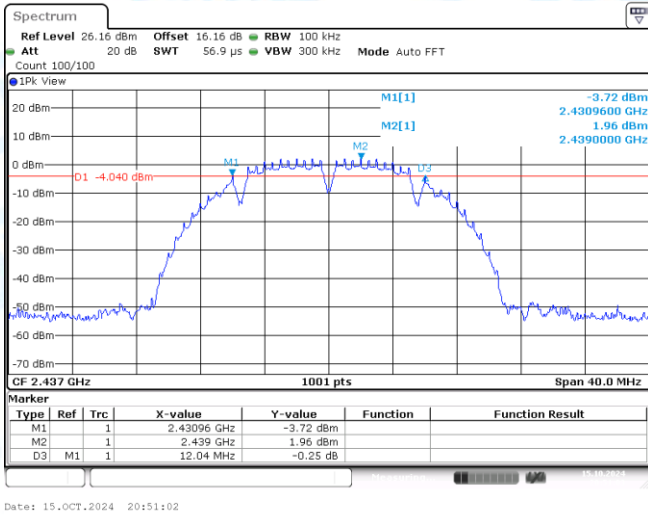
TestMode	Ant.	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	11.08	2405.96	2417.04	0.5	PASS
11B-CDD	Ant2	2412	12.04	2405.96	2418.00	0.5	PASS
11B-CDD	Ant1	2437	12.04	2430.96	2443.00	0.5	PASS
11B-CDD	Ant2	2437	10.12	2431.92	2442.04	0.5	PASS
11B-CDD	Ant1	2462	11.08	2455.96	2467.04	0.5	PASS
11B-CDD	Ant2	2462	10.12	2456.92	2467.04	0.5	PASS
11G-CDD	Ant1	2412	16.32	2403.84	2420.16	0.5	PASS
11G-CDD	Ant2	2412	16.32	2403.84	2420.16	0.5	PASS
11G-CDD	Ant1	2437	16.32	2428.84	2445.16	0.5	PASS
11G-CDD	Ant2	2437	16.32	2428.84	2445.16	0.5	PASS
11G-CDD	Ant1	2462	16.32	2453.84	2470.16	0.5	PASS
11G-CDD	Ant2	2462	16.32	2453.84	2470.16	0.5	PASS
11N20MIMO	Ant1	2412	17.52	2403.24	2420.76	0.5	PASS
11N20MIMO	Ant2	2412	16.68	2403.84	2420.52	0.5	PASS
11N20MIMO	Ant1	2437	17.52	2428.24	2445.76	0.5	PASS
11N20MIMO	Ant2	2437	16.68	2428.84	2445.52	0.5	PASS
11N20MIMO	Ant1	2462	17.52	2453.24	2470.76	0.5	PASS
11N20MIMO	Ant2	2462	16.68	2453.84	2470.52	0.5	PASS
11N40MIMO	Ant1	2422	35.76	2404.40	2440.16	0.5	PASS
11N40MIMO	Ant2	2422	35.52	2404.40	2439.92	0.5	PASS
11N40MIMO	Ant1	2437	35.44	2419.48	2454.92	0.5	PASS
11N40MIMO	Ant2	2437	35.76	2419.40	2455.16	0.5	PASS
11N40MIMO	Ant1	2452	35.76	2434.40	2470.16	0.5	PASS
11N40MIMO	Ant2	2452	35.52	2434.40	2469.92	0.5	PASS
11AX20MIMO	Ant1	2412	18.76	2402.60	2421.36	0.5	PASS
11AX20MIMO	Ant2	2412	18.20	2402.76	2420.96	0.5	PASS
11AX20MIMO	Ant1	2437	18.24	2427.76	2446.00	0.5	PASS
11AX20MIMO	Ant2	2437	18.32	2427.68	2446.00	0.5	PASS
11AX20MIMO	Ant1	2462	18.28	2452.68	2470.96	0.5	PASS
11AX20MIMO	Ant2	2462	18.20	2452.76	2470.96	0.5	PASS
11AX40MIMO	Ant1	2422	37.60	2403.20	2440.80	0.5	PASS
11AX40MIMO	Ant2	2422	37.68	2403.20	2440.88	0.5	PASS
11AX40MIMO	Ant1	2437	37.92	2418.12	2456.04	0.5	PASS
11AX40MIMO	Ant2	2437	37.68	2418.20	2455.88	0.5	PASS
11AX40MIMO	Ant1	2452	37.68	2433.20	2470.88	0.5	PASS
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1.2 Test Graphs



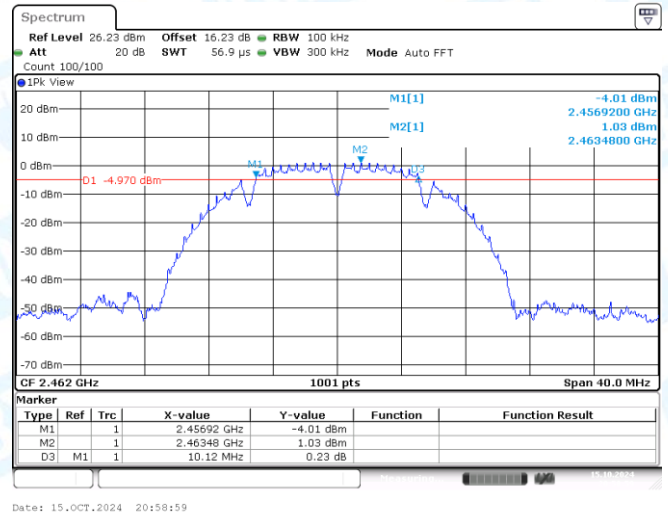
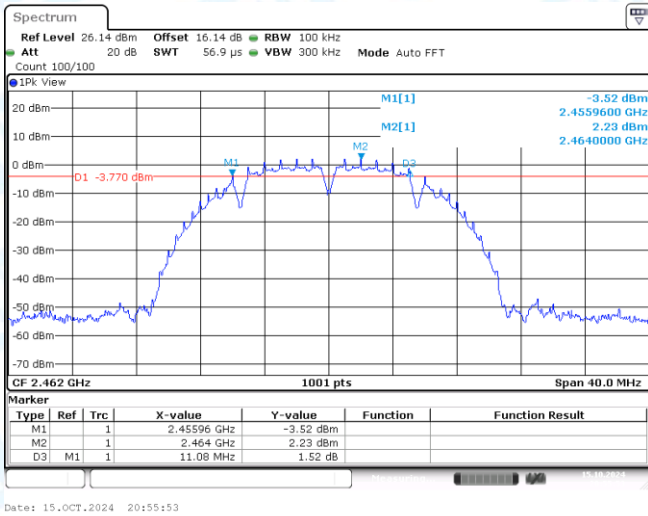
11B-CDD-Ant1-2412-PASS

11B-CDD-Ant2-2412-PASS



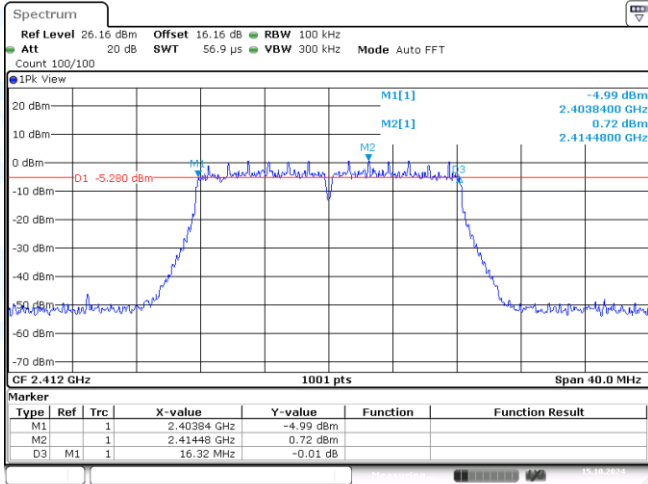
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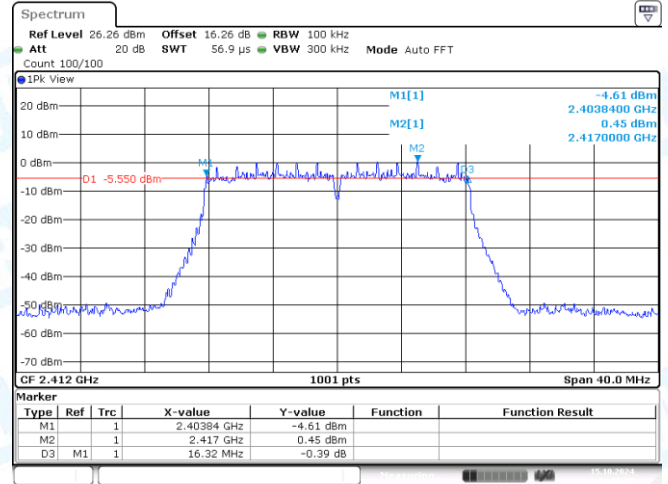


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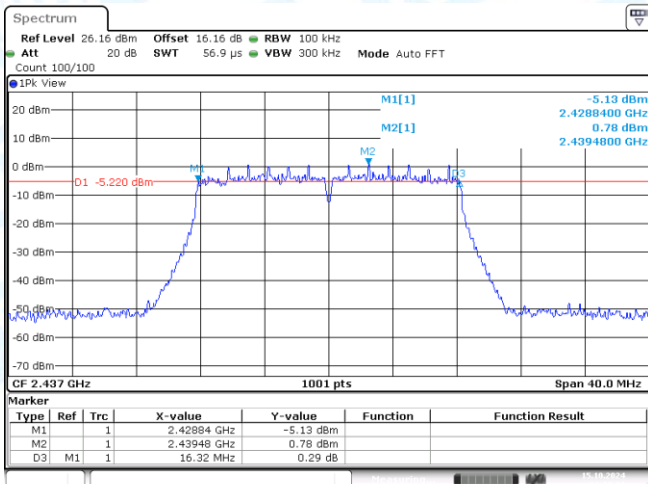
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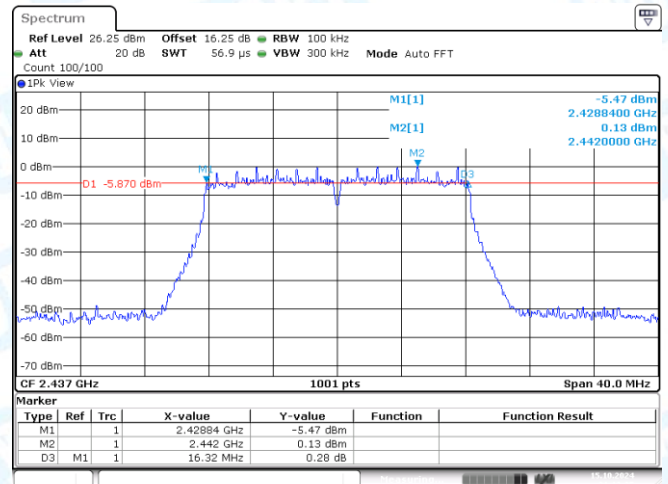
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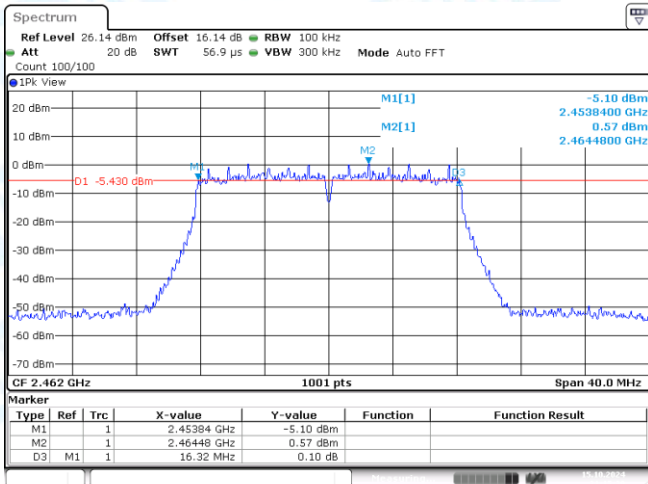
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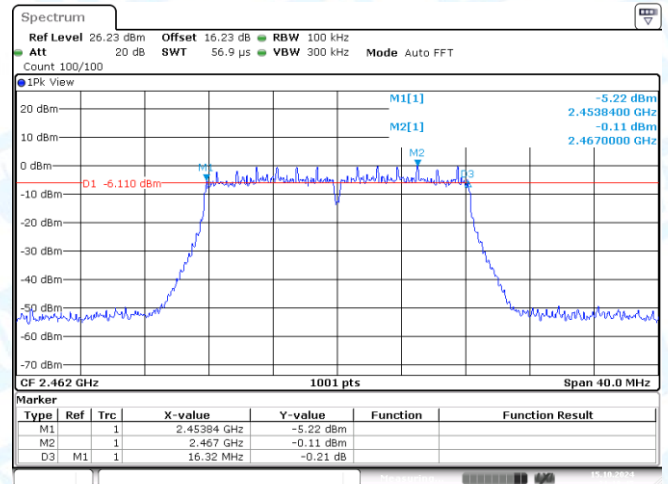
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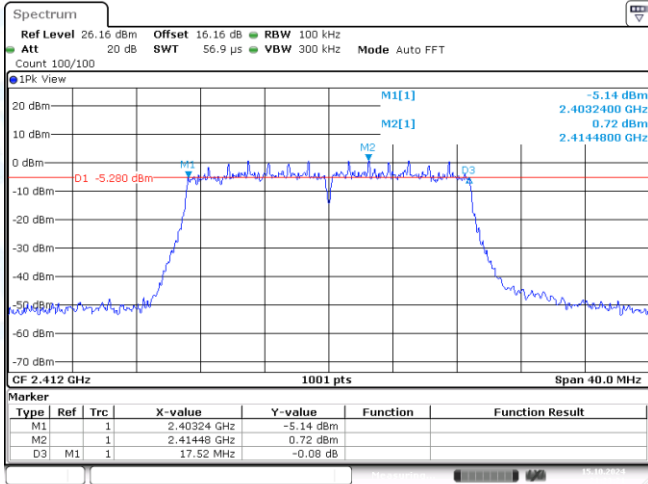
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11G-CDD-Ant1-2462-PASS

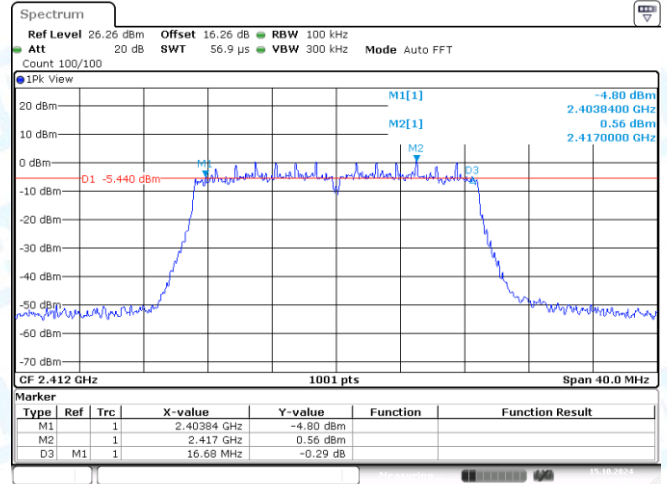


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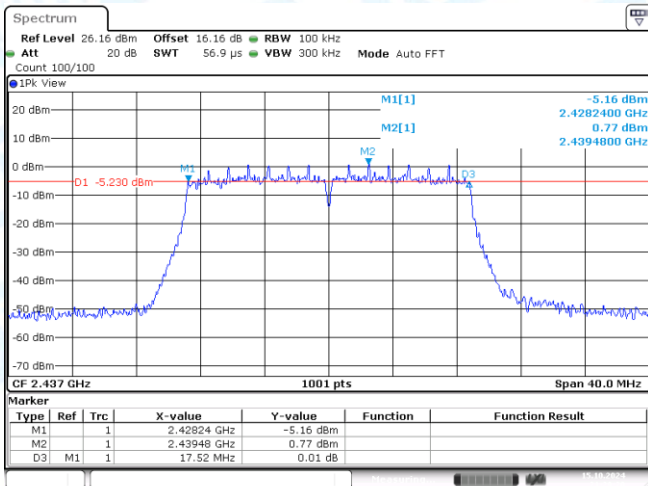
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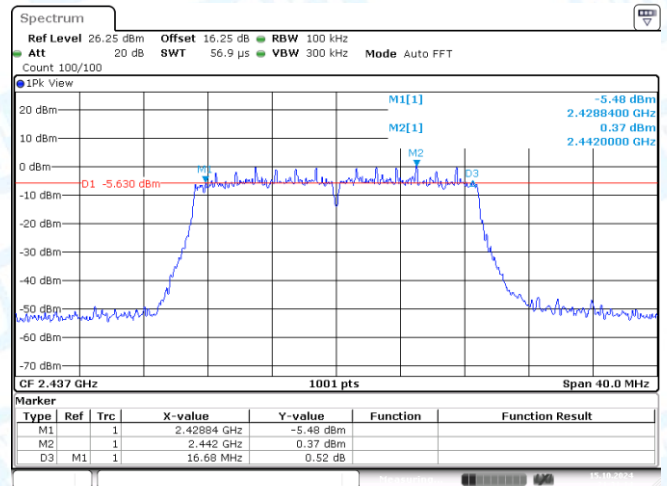
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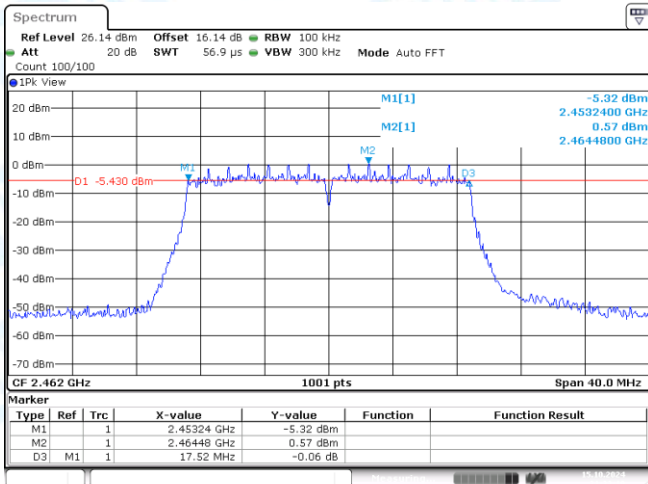
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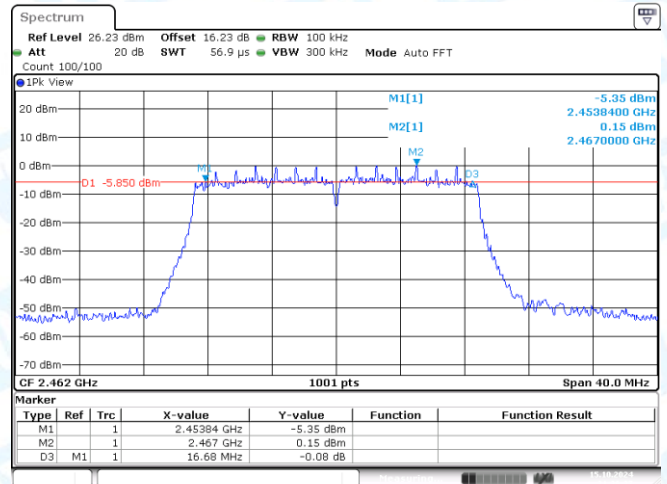
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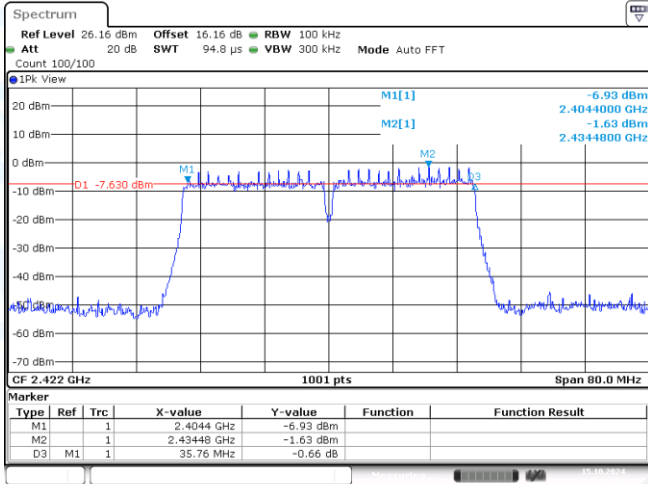
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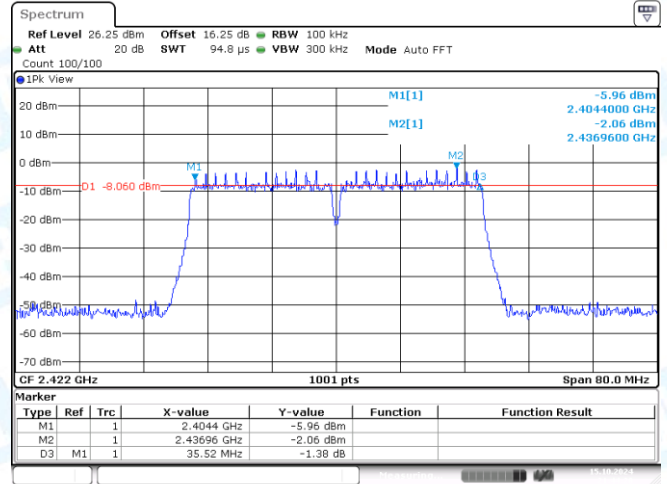


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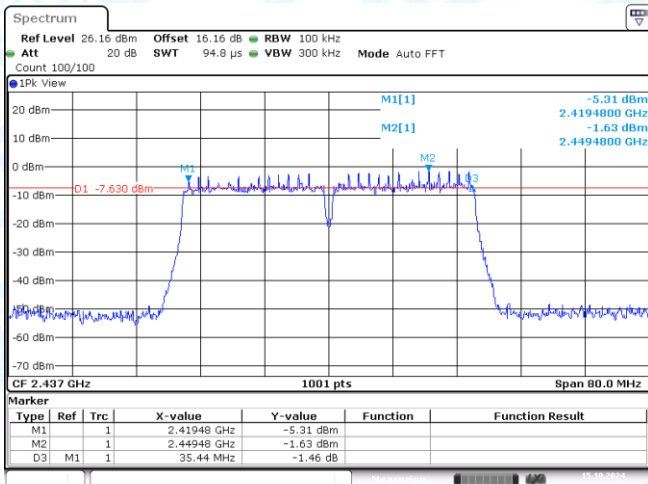
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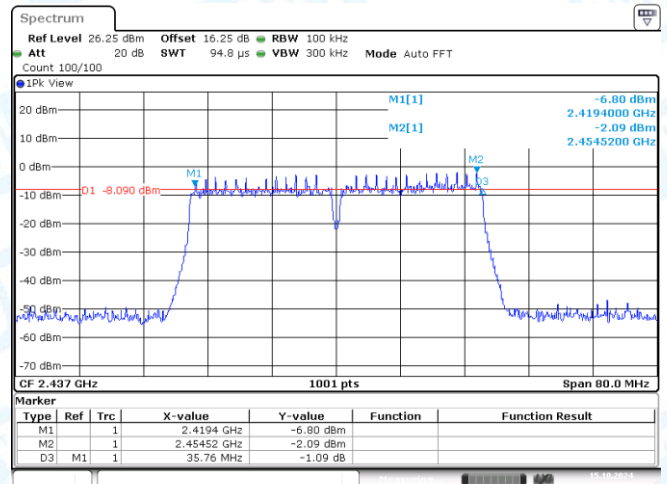
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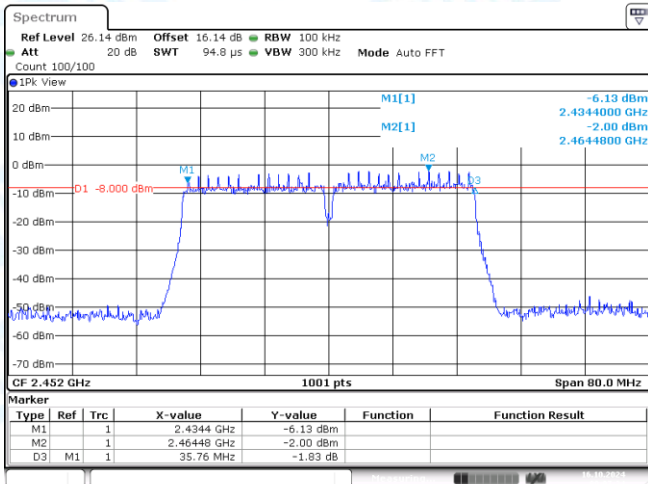
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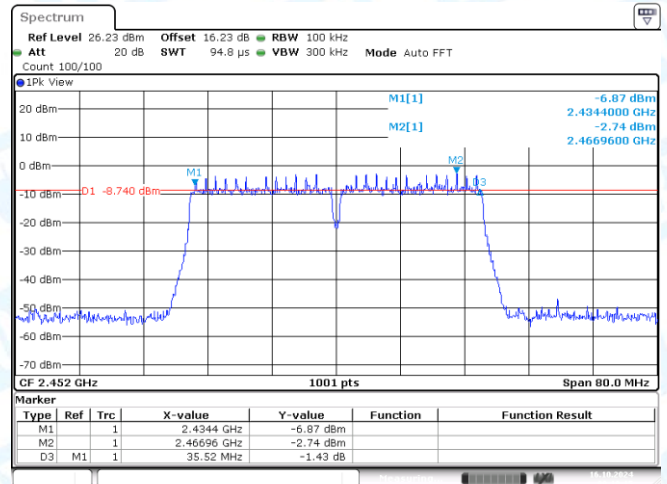
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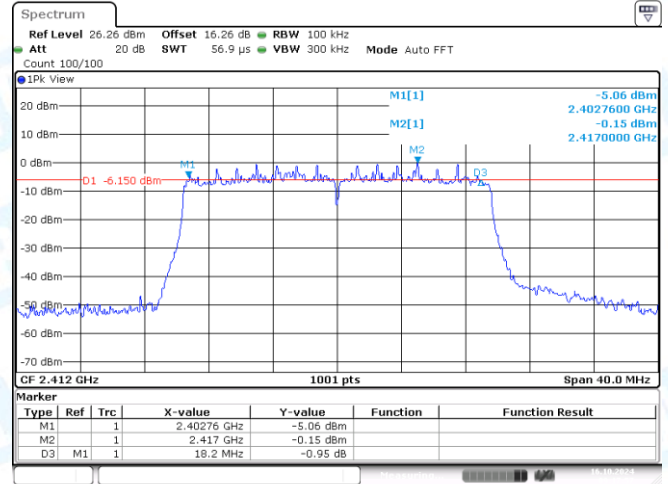
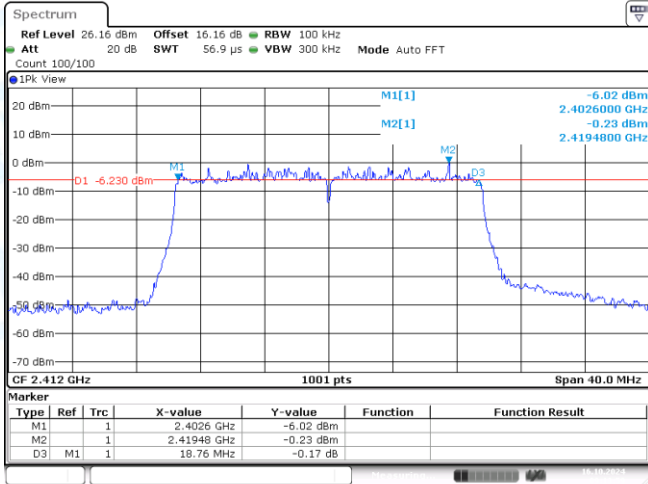
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11N40MIMO-Ant1-2452-PASS

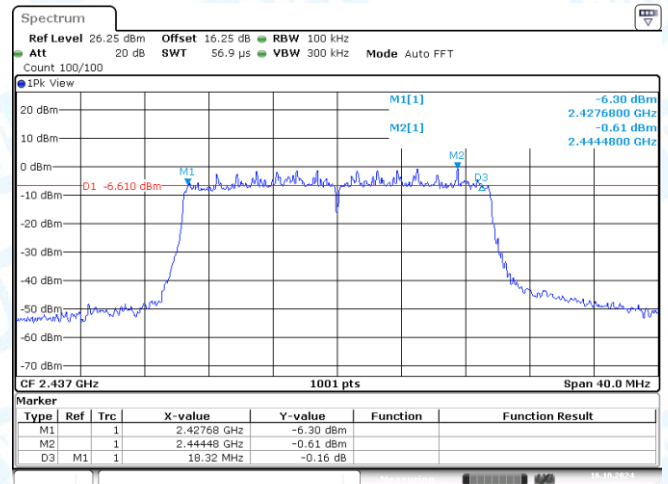
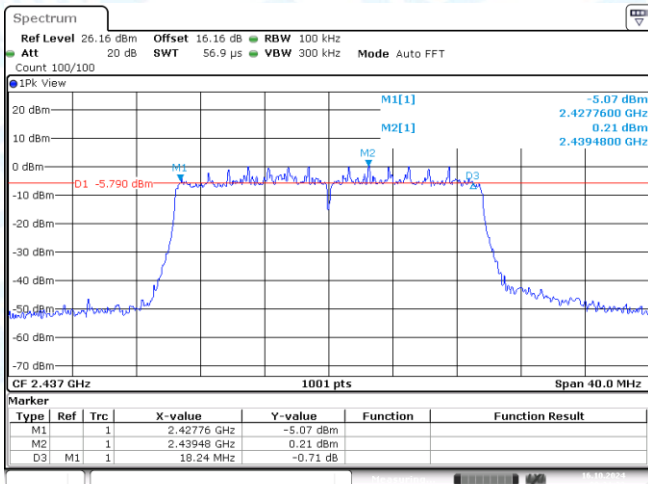


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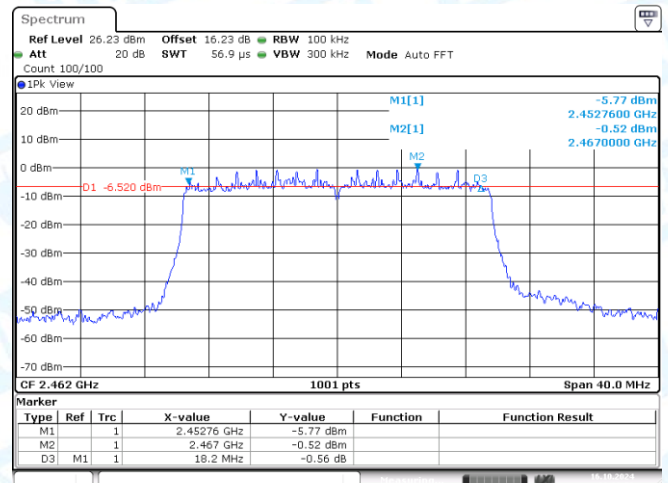
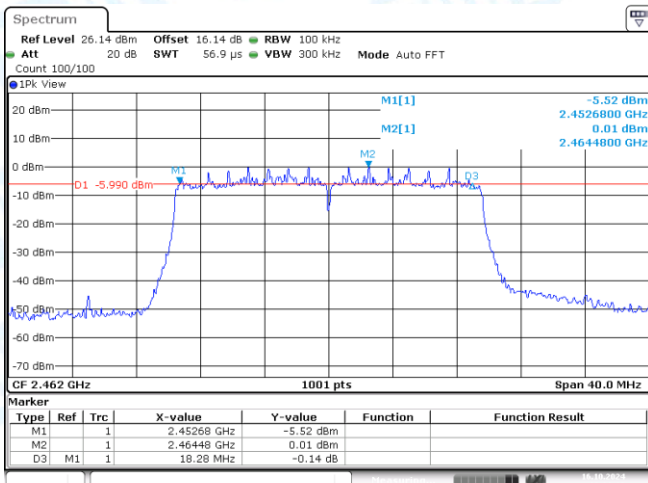
11AX20MIMO-Ant1-2412-PASS

11AX20MIMO-Ant2-2412-PASS



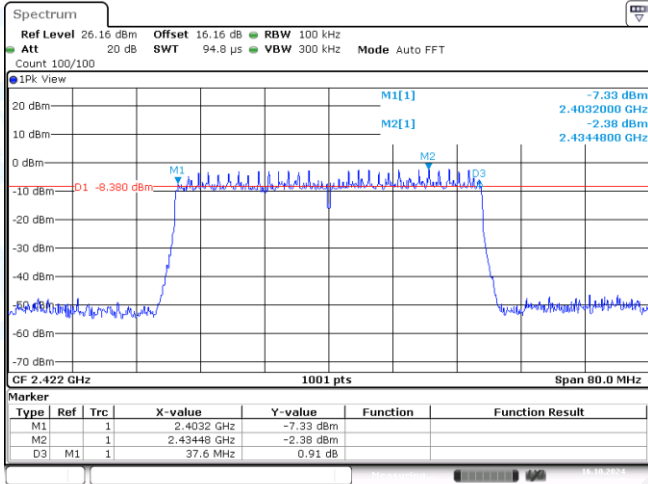
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11AX20MIMO-Ant2-2437-PASS



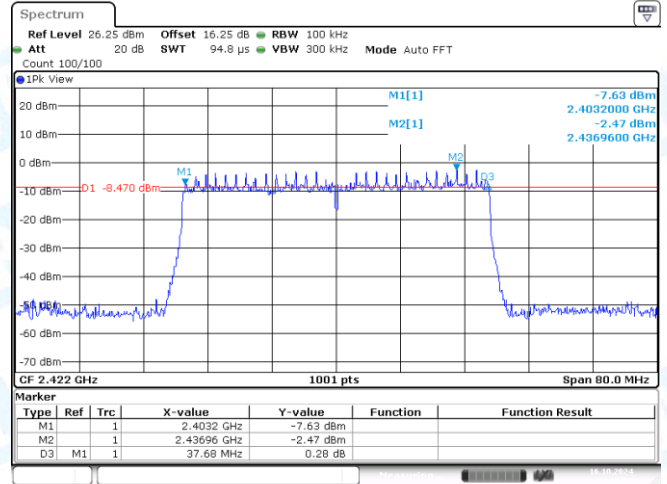
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11AX20MIMO-Ant2-2462-PASS



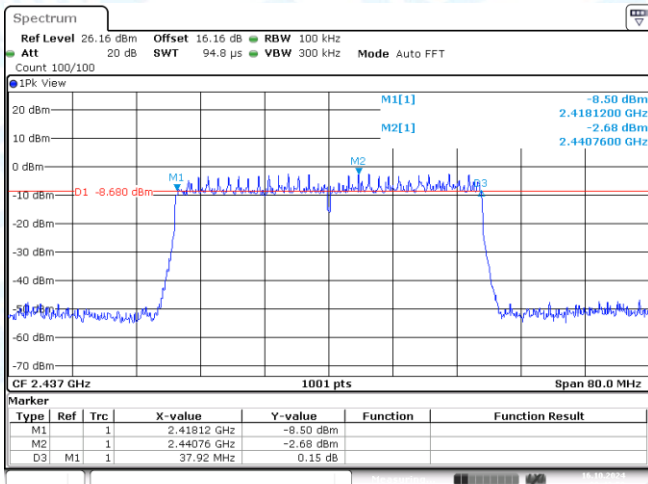
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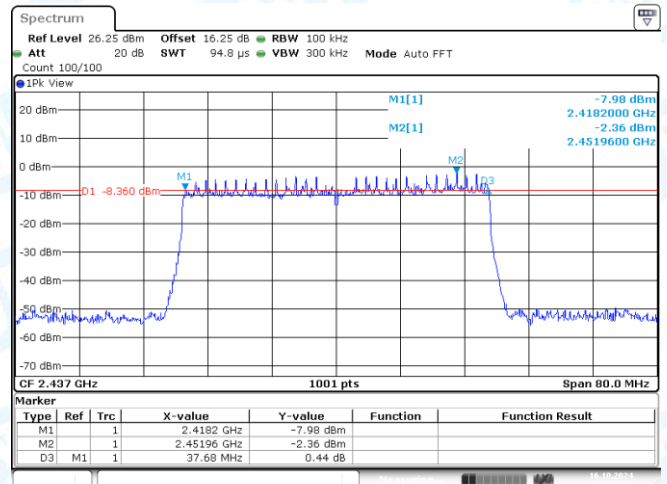
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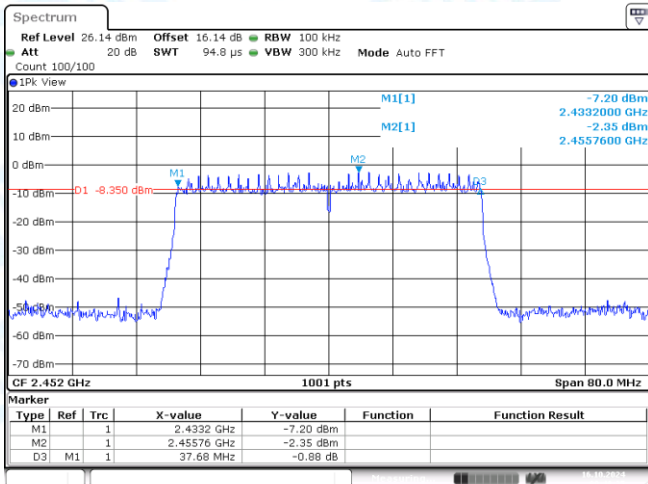
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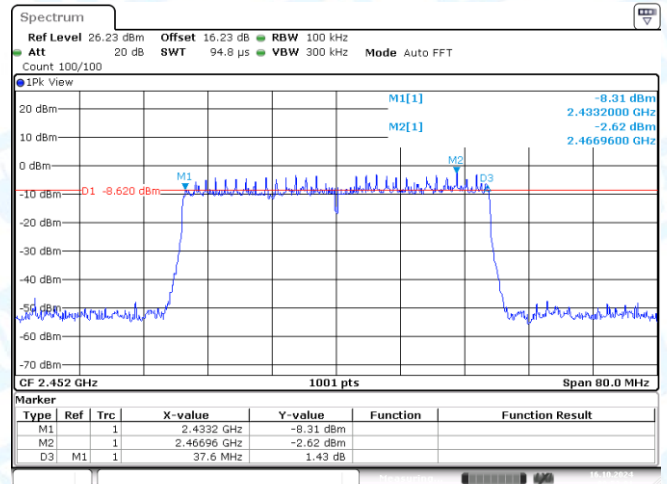
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11AX40MIMO-Ant2-2437-PASS



Date: 16.OCT.2024 09:48:34

11AX40MIMO-Ant1-2452-PASS



Date: 16.OCT.2024 09:52:01

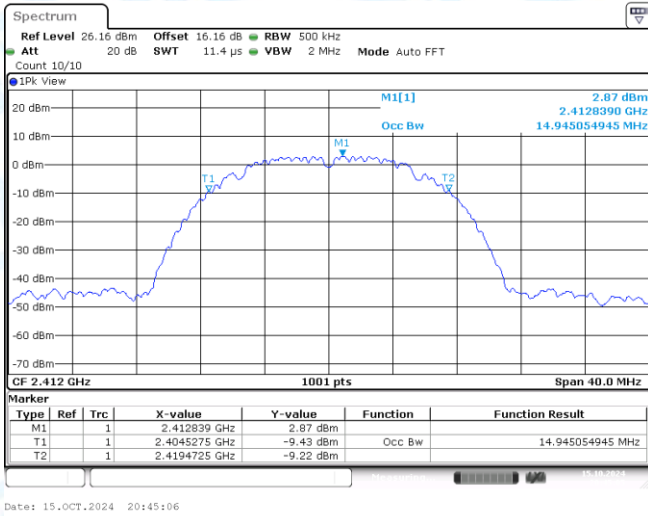
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2: Occupied Channel Bandwidth

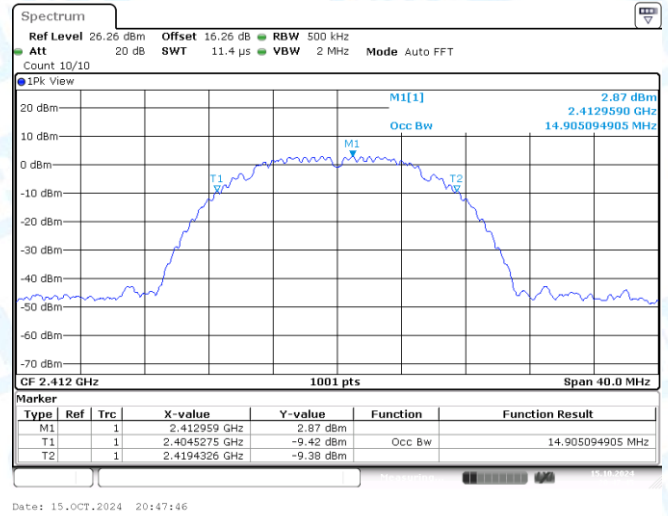
2.1 Test Result

TestMode	Ant.	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	14.945	2404.5275	2419.4725	---	---
11B-CDD	Ant2	2412	14.905	2404.5275	2419.4326	---	---
11B-CDD	Ant1	2437	14.945	2429.5275	2444.4725	---	---
11B-CDD	Ant2	2437	14.945	2429.5275	2444.4725	---	---
11B-CDD	Ant1	2462	14.945	2454.5275	2469.4725	---	---
11B-CDD	Ant2	2462	14.865	2454.5674	2469.4326	---	---
11G-CDD	Ant1	2412	16.503	2403.7682	2420.2717	---	---
11G-CDD	Ant2	2412	16.543	2403.6883	2420.2318	---	---
11G-CDD	Ant1	2437	16.623	2428.7682	2445.3916	---	---
11G-CDD	Ant2	2437	16.503	2428.7682	2445.2717	---	---
11G-CDD	Ant1	2462	16.503	2453.7682	2470.2717	---	---
11G-CDD	Ant2	2462	16.503	2453.7682	2470.2717	---	---
11N20MIMO	Ant1	2412	17.662	2403.1289	2420.7912	---	---
11N20MIMO	Ant2	2412	17.662	2403.1688	2420.8312	---	---
11N20MIMO	Ant1	2437	17.662	2428.1289	2445.7912	---	---
11N20MIMO	Ant2	2437	17.662	2428.1688	2445.8312	---	---
11N20MIMO	Ant1	2462	17.662	2453.1688	2470.8312	---	---
11N20MIMO	Ant2	2462	17.702	2453.1289	2470.8312	---	---
11N40MIMO	Ant1	2422	36.204	2404.0180	2440.2218	---	---
11N40MIMO	Ant2	2422	36.444	2403.6983	2440.1419	---	---
11N40MIMO	Ant1	2437	36.204	2418.9381	2455.1419	---	---
11N40MIMO	Ant2	2437	36.523	2418.8581	2455.3816	---	---
11N40MIMO	Ant1	2452	36.523	2433.7782	2470.3017	---	---
11N40MIMO	Ant2	2452	36.364	2433.8581	2470.2218	---	---
11AX20MIMO	Ant1	2412	19.021	2402.4496	2421.4705	---	---
11AX20MIMO	Ant2	2412	18.981	2402.4496	2421.4306	---	---
11AX20MIMO	Ant1	2437	19.021	2427.4496	2446.4705	---	---
11AX20MIMO	Ant2	2437	18.981	2427.4895	2446.4705	---	---
11AX20MIMO	Ant1	2462	19.021	2452.4496	2471.4705	---	---
11AX20MIMO	Ant2	2462	19.021	2452.4496	2471.4705	---	---
11AX40MIMO	Ant1	2422	37.882	2403.0589	2440.9411	---	---
11AX40MIMO	Ant2	2422	38.042	2403.0589	2441.1009	---	---
11AX40MIMO	Ant1	2437	37.802	2418.0589	2455.8611	---	---
11AX40MIMO	Ant2	2437	37.962	2418.0589	2456.0210	---	---
11AX40MIMO	Ant1	2452	37.882	2433.0589	2470.9411	---	---
11AX40MIMO	Ant2	2452	37.882	2433.2188	2471.1009	---	---

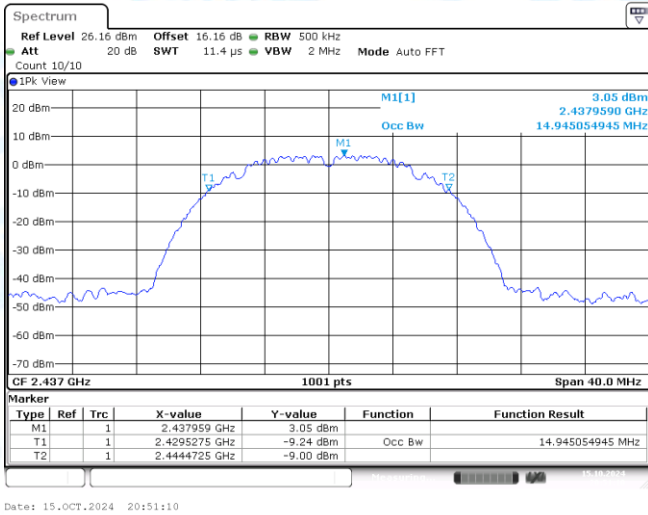
2.2 Test Graphs



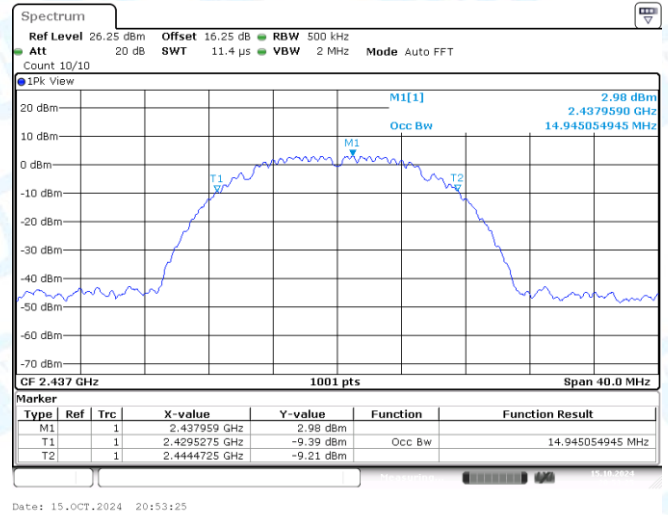
11B-CDD-Ant1-2412



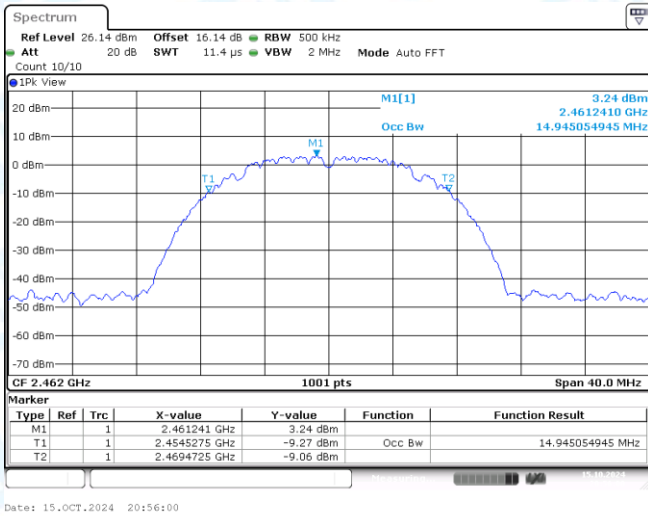
11B-CDD-Ant2-2412



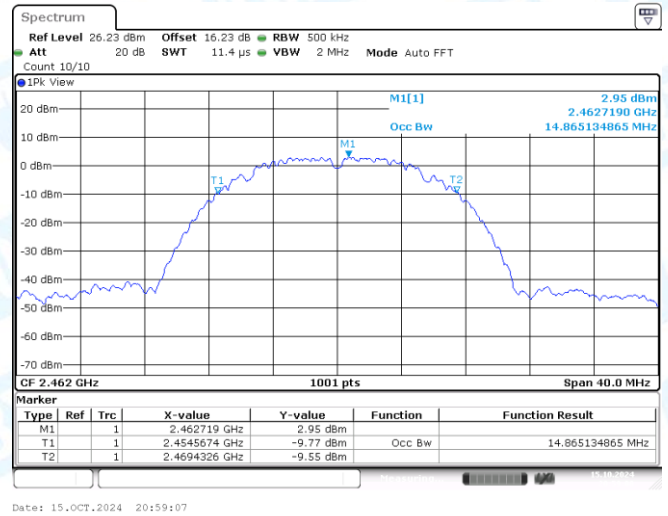
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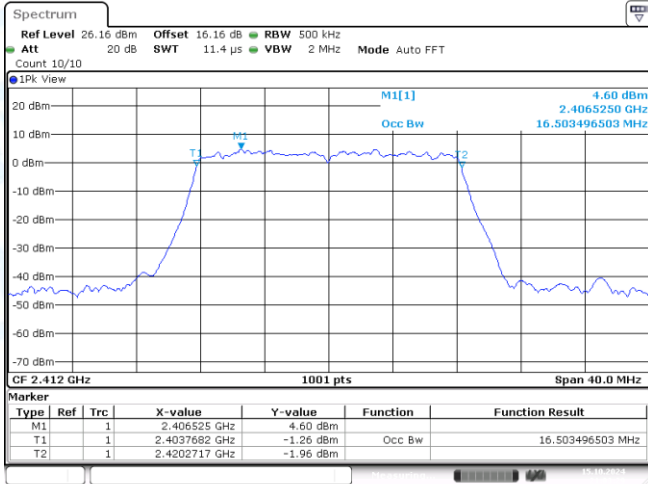
11B-CDD-Ant2-2437



11B-CDD-Ant1-2462

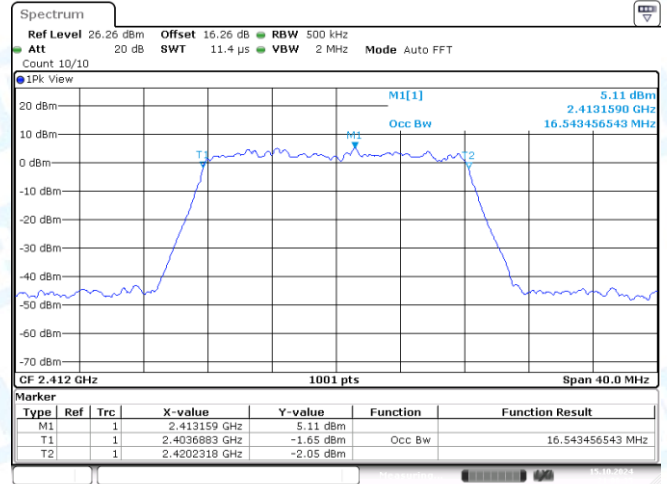


11B-CDD-Ant2-2462



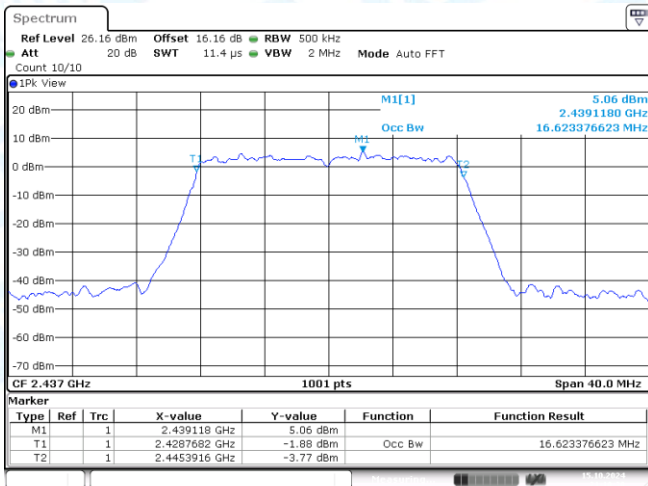
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11G-CDD-Ant1-2412



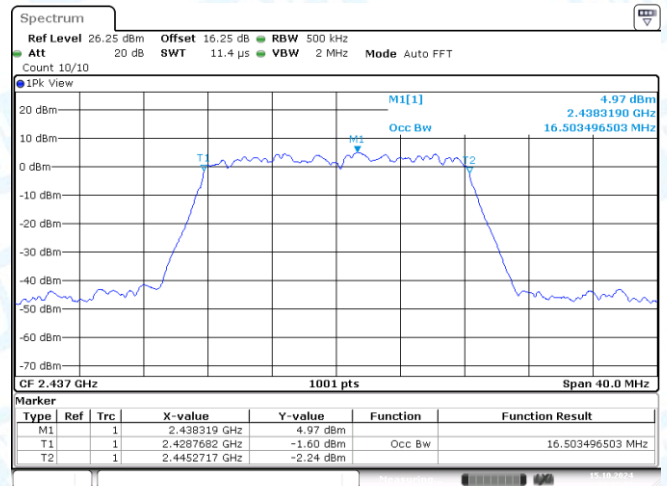
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11G-CDD-Ant2-2412



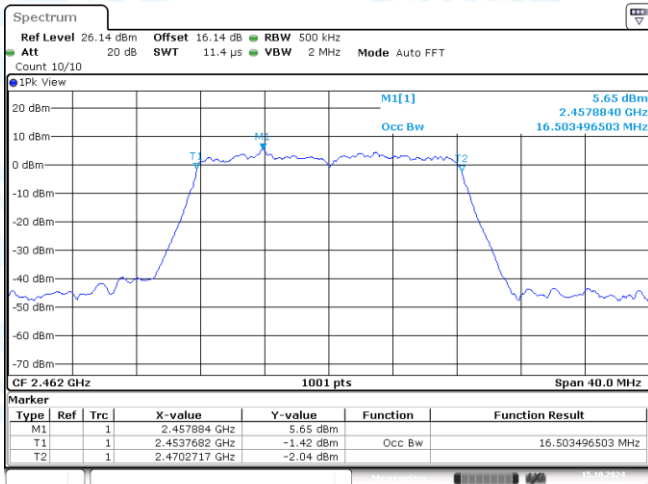
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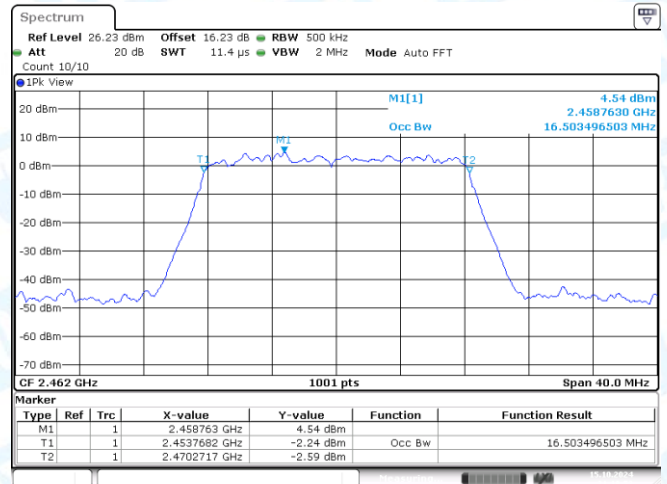
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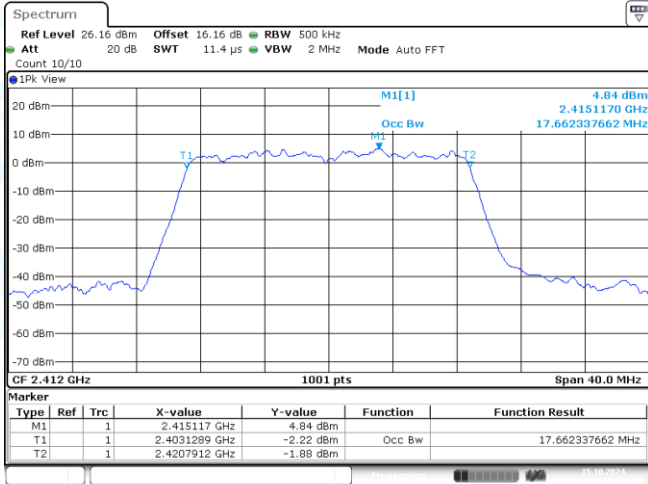
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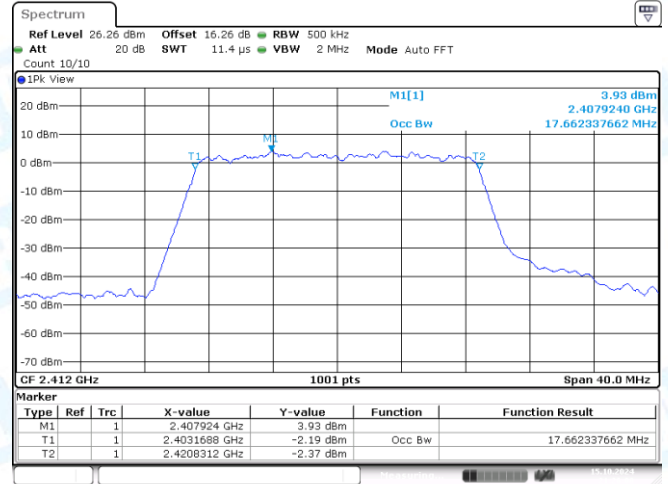


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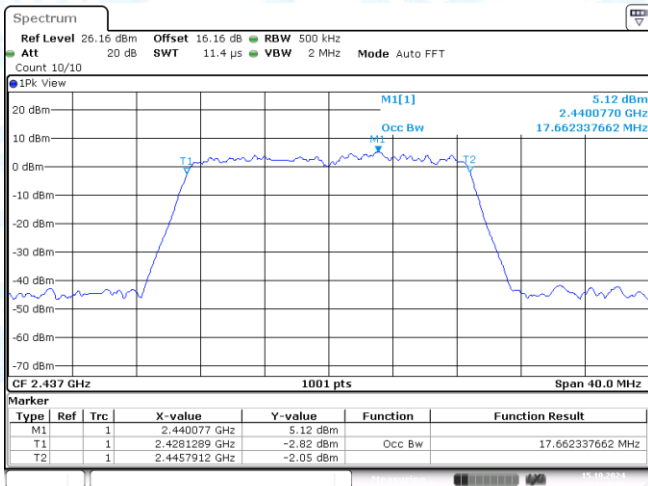
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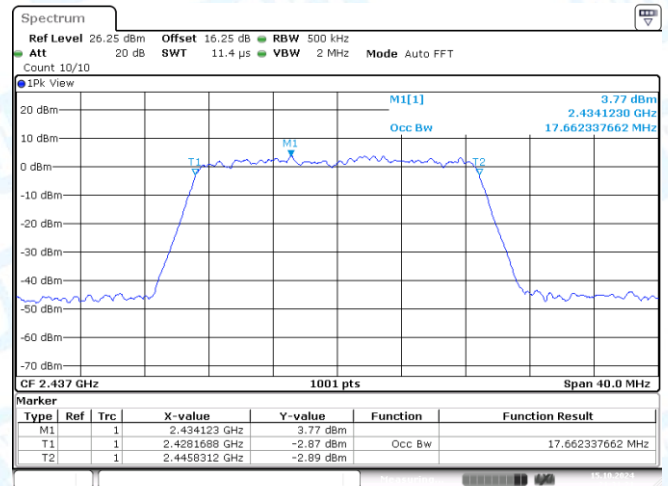
11N20MIMO-Ant1-2412



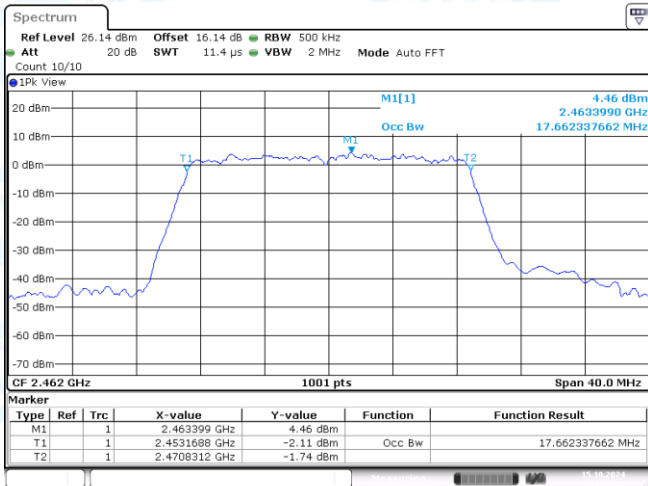
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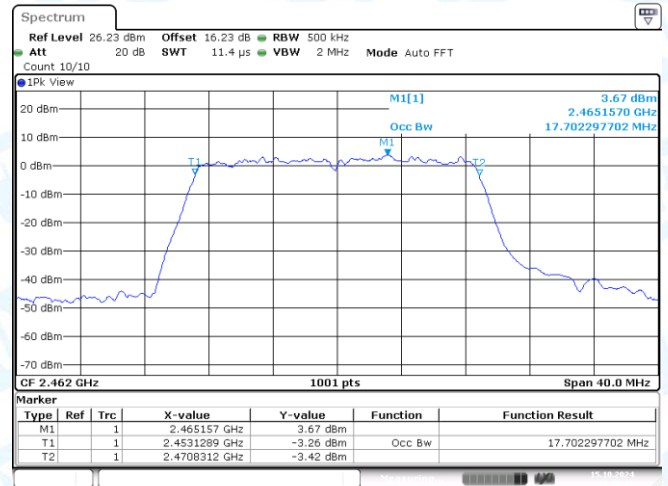
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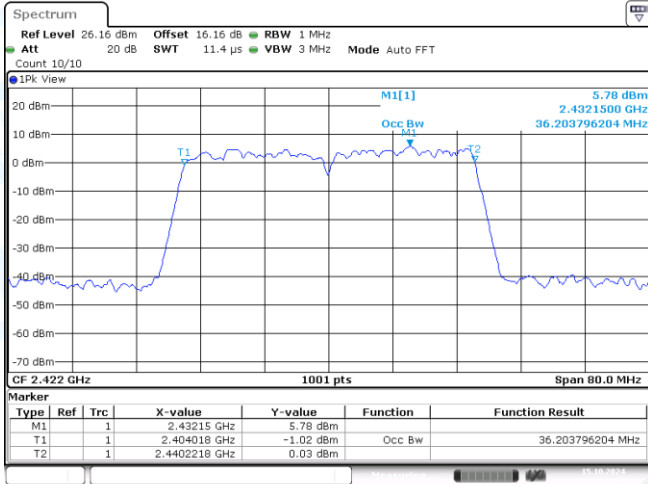
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11N20MIMO-Ant1-2462

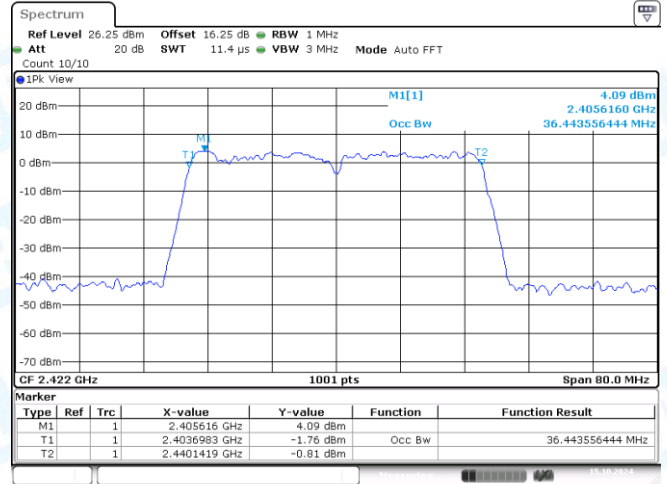


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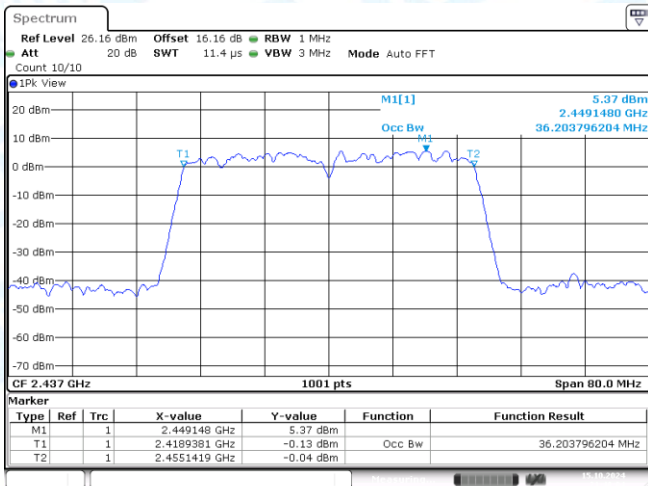
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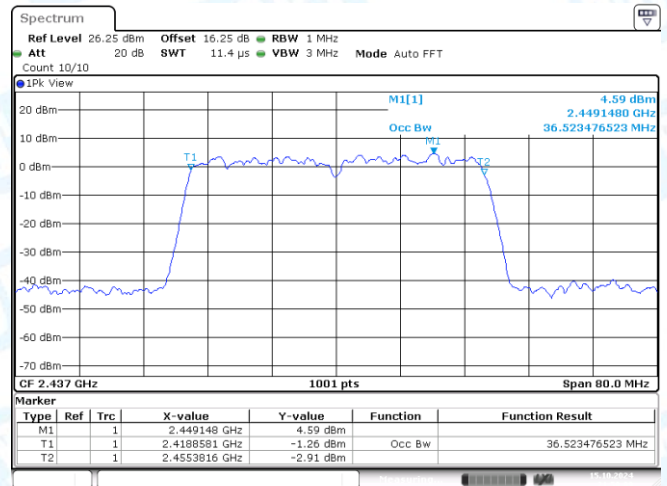
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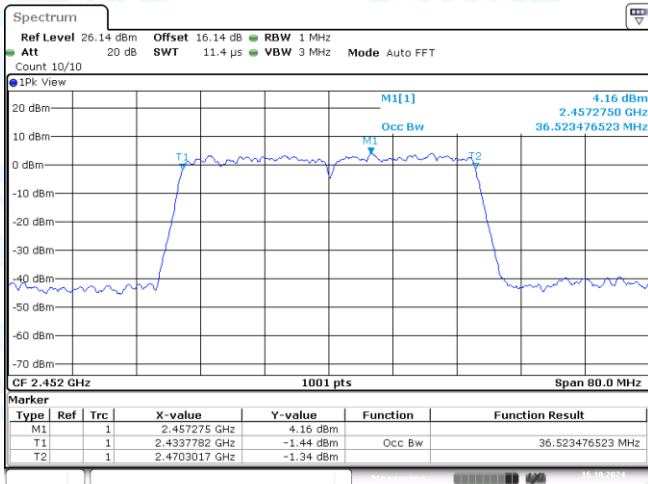
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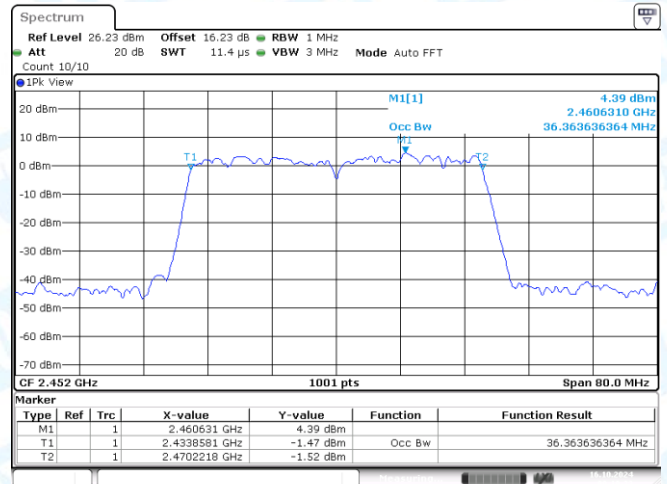
Date: 15.OCT.2024 21:50:09

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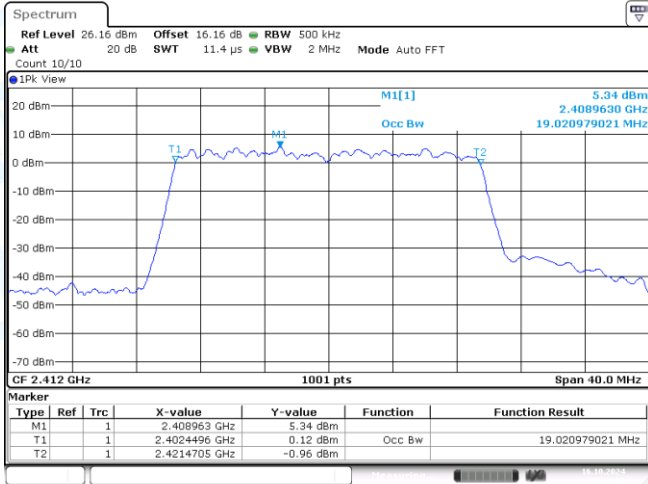
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11N40MIMO-Ant1-2452



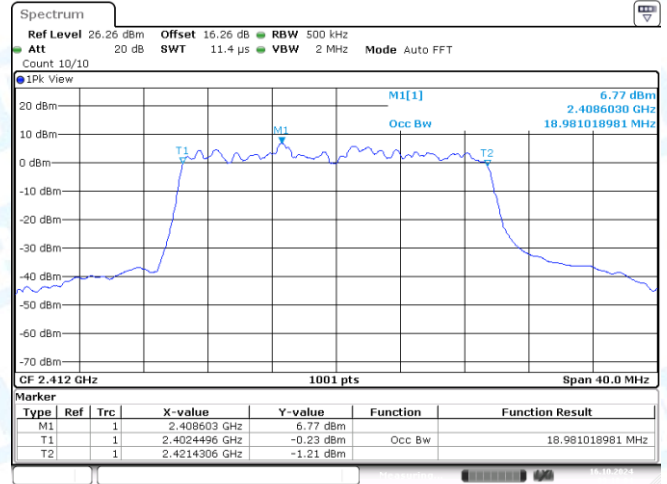
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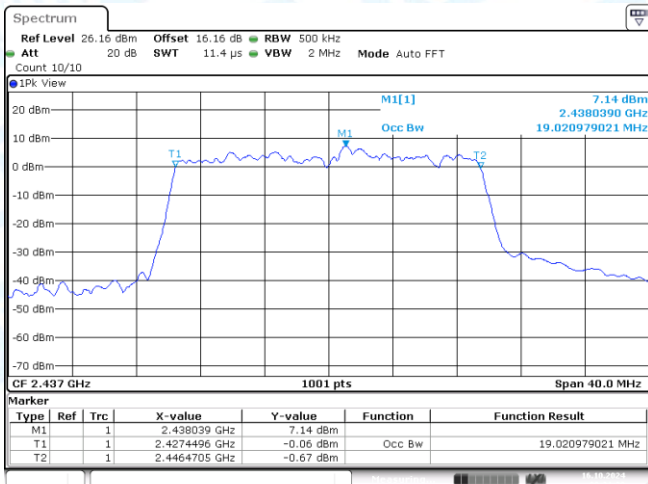
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11AX20MIMO-Ant1-2412



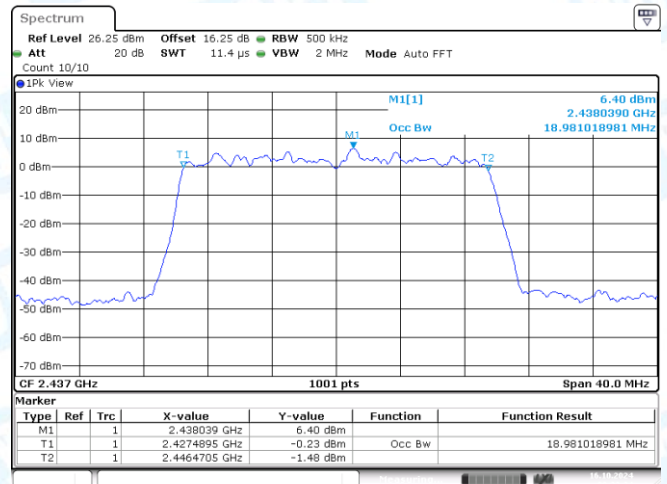
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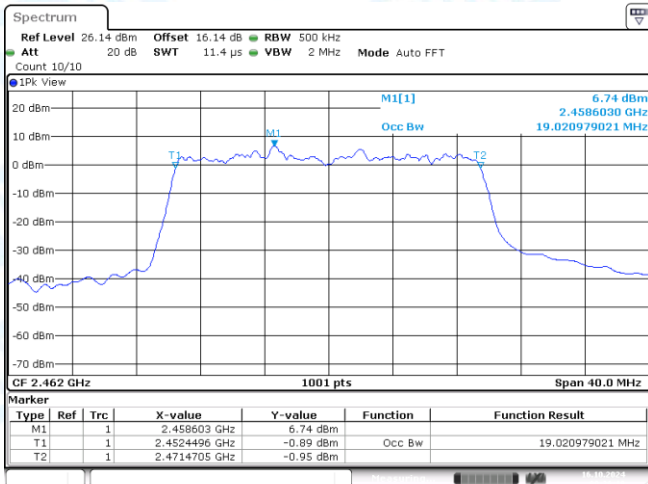
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11AX20MIMO-Ant1-2437



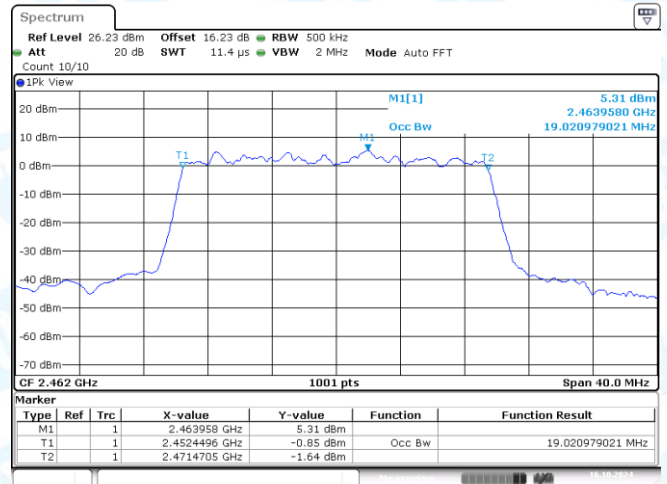
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11AX20MIMO-Ant2-2437



Date: 16.OCT.2024 09:26:18

11AX20MIMO-Ant1-2462



Date: 16.OCT.2024 09:30:58

11AX20MIMO-Ant2-2462