

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

General Description of EUT	
EUT Name:	DOCSIS 3.1 Cable Modem
Model:	NE3034W
Sample ID:	HC-C-202503-0171-01-01
Test Standard:	FCC Part 15.247
Environmental Conditions	
Ambient Temperature:	23.9℃
Ambient Humidity:	49%RH
Test Power Supply:	DC 12V
Test Engineer:	Rick Chen
Note: For a more detailed features description, please refer to the report TBR-C-202503-0171-1.	

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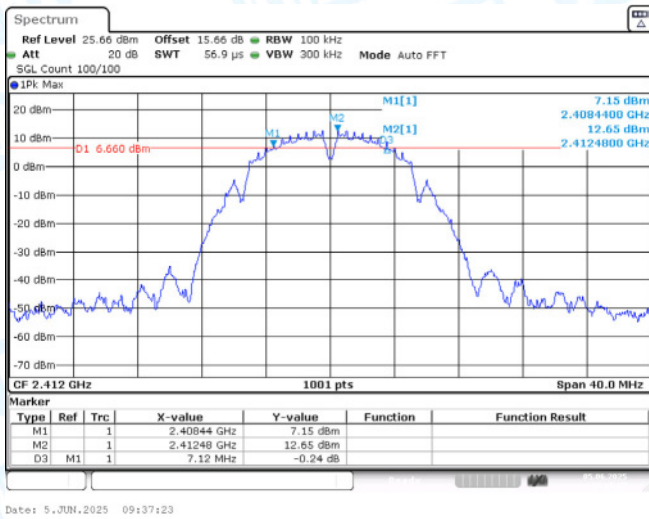
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1: DTS Bandwidth

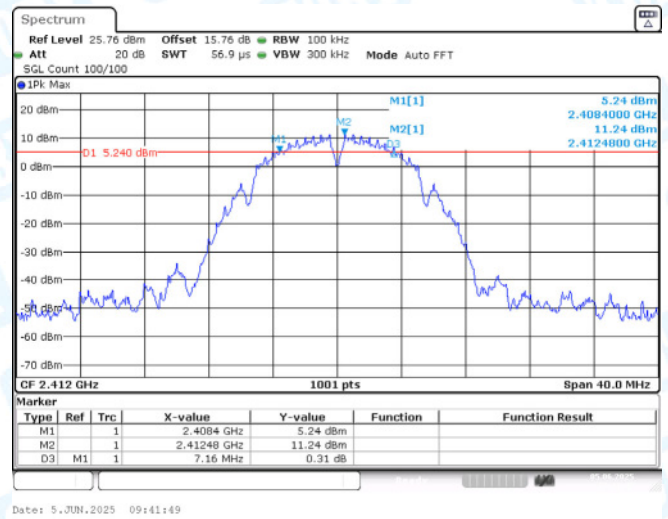
1.1 Test Result

TestMode	Ant.	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.12	2408.44	2415.56	0.5	PASS
11B	Ant2	2412	7.16	2408.40	2415.56	0.5	PASS
11B	Ant1	2437	7.08	2433.44	2440.52	0.5	PASS
11B	Ant2	2437	7.12	2433.44	2440.56	0.5	PASS
11B	Ant1	2462	7.12	2458.44	2465.56	0.5	PASS
11B	Ant2	2462	7.08	2458.44	2465.52	0.5	PASS
11G	Ant1	2412	16.44	2403.76	2420.20	0.5	PASS
11G	Ant2	2412	16.36	2403.80	2420.16	0.5	PASS
11G	Ant1	2437	16.52	2428.72	2445.24	0.5	PASS
11G	Ant2	2437	16.32	2428.84	2445.16	0.5	PASS
11G	Ant1	2462	16.36	2453.80	2470.16	0.5	PASS
11G	Ant2	2462	16.36	2453.80	2470.16	0.5	PASS
11N20-CDD	Ant1	2412	17.80	2403.08	2420.88	0.5	PASS
11N20-CDD	Ant2	2412	17.60	2403.20	2420.80	0.5	PASS
11N20-CDD	Ant1	2437	17.60	2428.20	2445.80	0.5	PASS
11N20-CDD	Ant2	2437	17.72	2428.16	2445.88	0.5	PASS
11N20-CDD	Ant1	2462	17.80	2453.08	2470.88	0.5	PASS
11N20-CDD	Ant2	2462	17.80	2453.08	2470.88	0.5	PASS
11N40-CDD	Ant1	2422	36.40	2403.76	2440.16	0.5	PASS
11N40-CDD	Ant2	2422	36.40	2403.76	2440.16	0.5	PASS
11N40-CDD	Ant1	2437	36.32	2418.84	2455.16	0.5	PASS
11N40-CDD	Ant2	2437	36.32	2418.84	2455.16	0.5	PASS
11N40-CDD	Ant1	2452	36.32	2433.84	2470.16	0.5	PASS
11N40-CDD	Ant2	2452	36.32	2433.84	2470.16	0.5	PASS
11AX20-CDD	Ant1	2412	18.92	2402.60	2421.52	0.5	PASS
11AX20-CDD	Ant2	2412	18.64	2402.68	2421.32	0.5	PASS
11AX20-CDD	Ant1	2437	19.08	2427.48	2446.56	0.5	PASS
11AX20-CDD	Ant2	2437	18.76	2427.56	2446.32	0.5	PASS
11AX20-CDD	Ant1	2462	19.12	2452.40	2471.52	0.5	PASS
11AX20-CDD	Ant2	2462	18.72	2452.56	2471.28	0.5	PASS
11AX40-CDD	Ant1	2422	38.08	2402.96	2441.04	0.5	PASS
11AX40-CDD	Ant2	2422	38.08	2402.96	2441.04	0.5	PASS
11AX40-CDD	Ant1	2437	38.08	2417.96	2456.04	0.5	PASS
11AX40-CDD	Ant2	2437	37.68	2418.12	2455.80	0.5	PASS
11AX40-CDD	Ant1	2452	38.00	2432.96	2470.96	0.5	PASS
11AX40-CDD	Ant2	2452	38.16	2432.88	2471.04	0.5	PASS

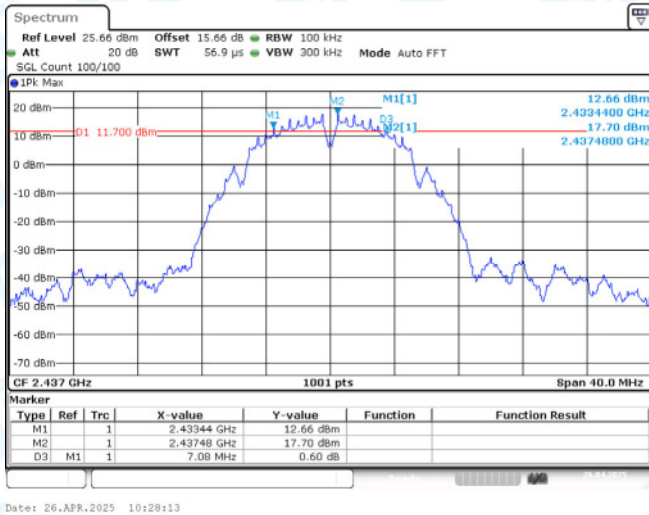
1.2 Test Graphs



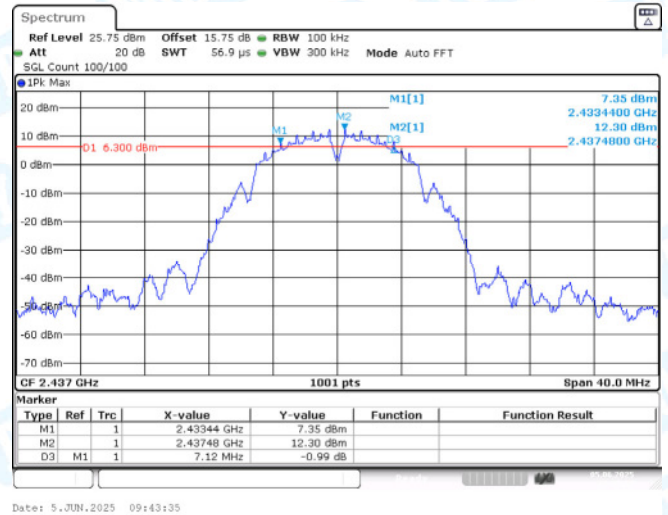
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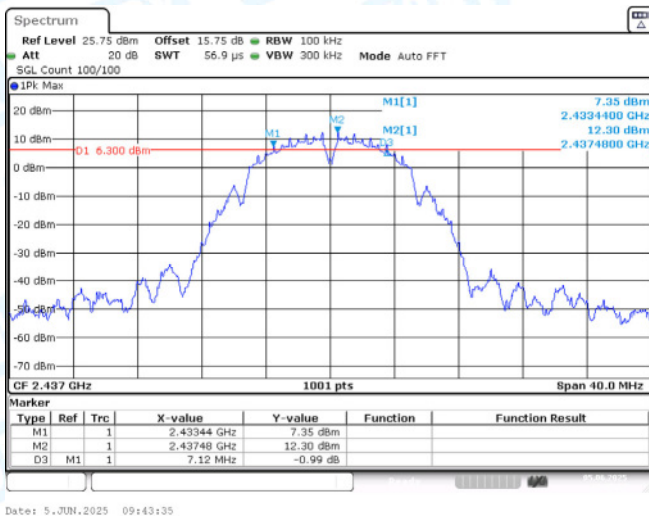
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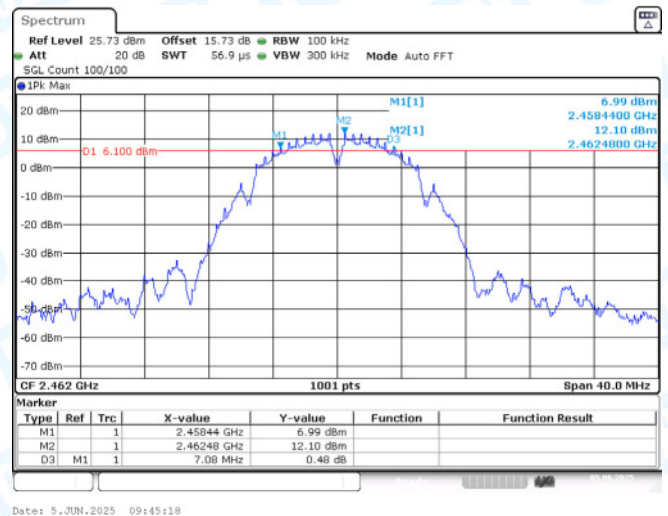
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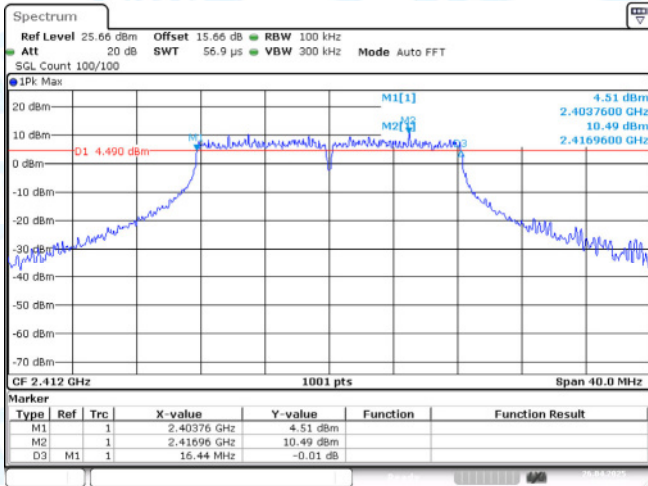
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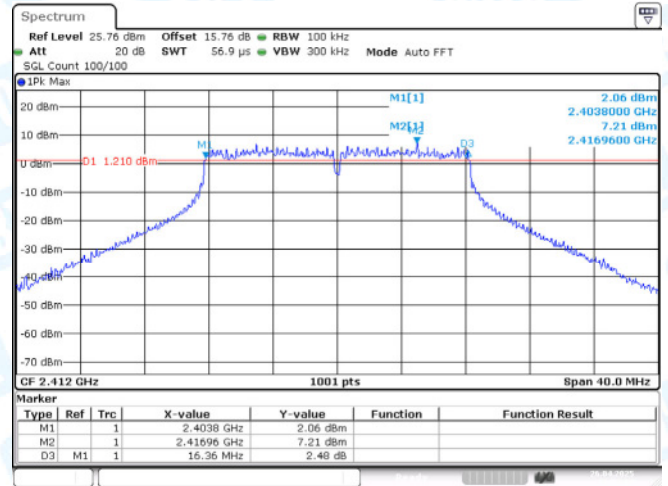
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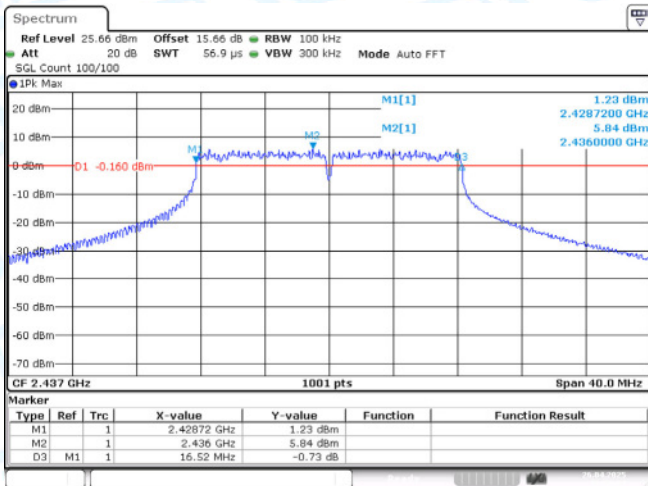
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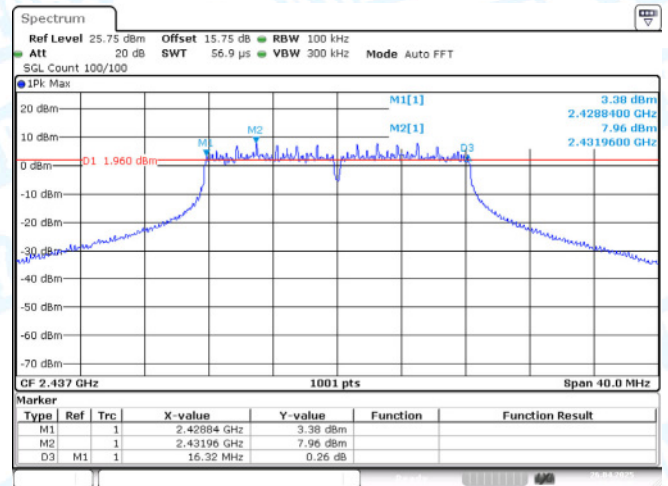
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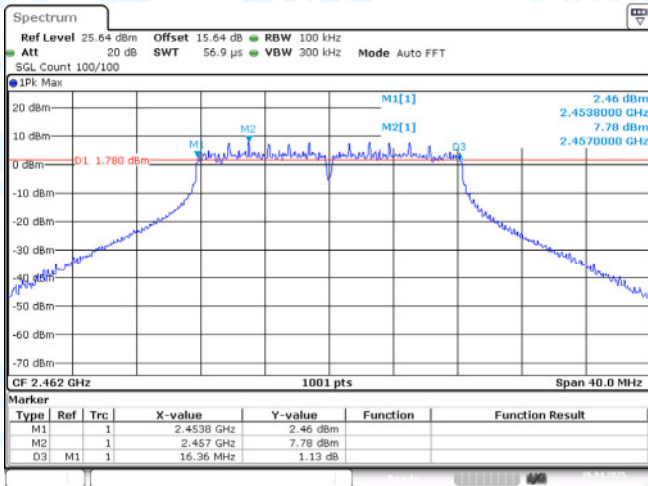
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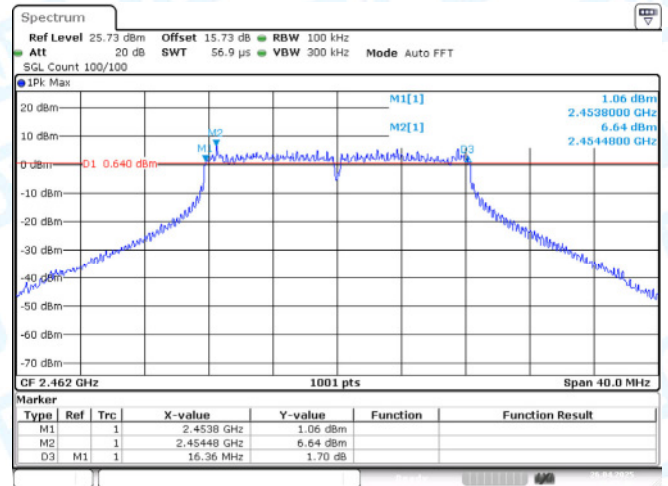
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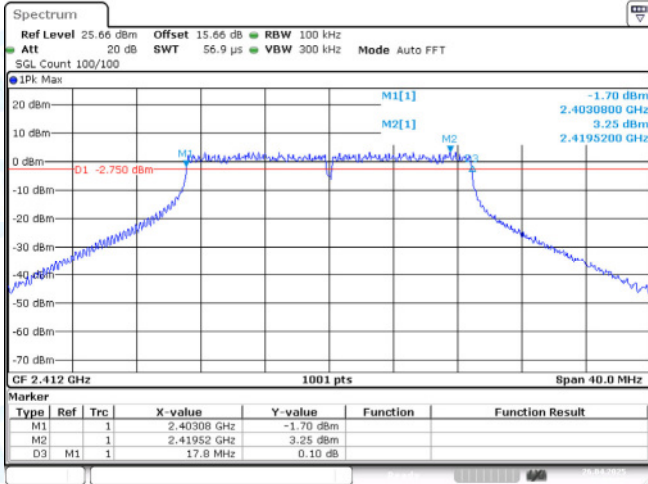
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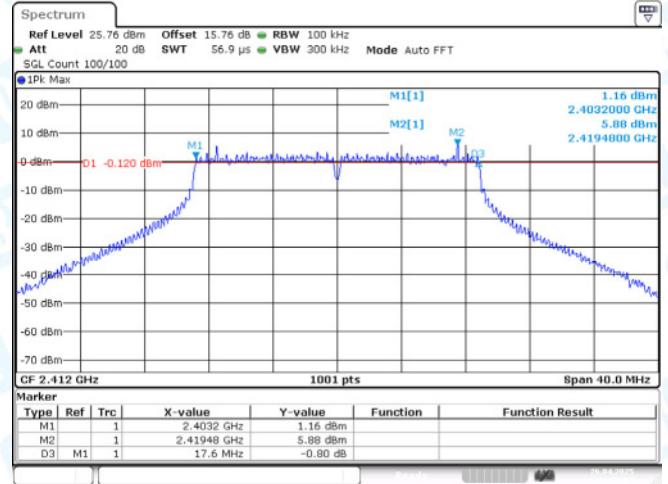


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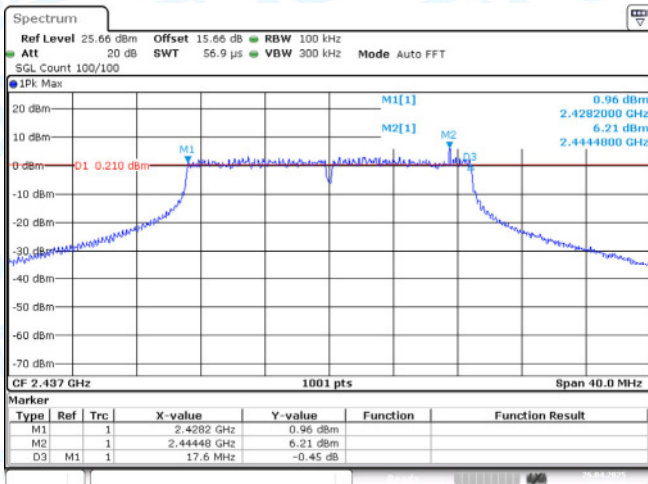
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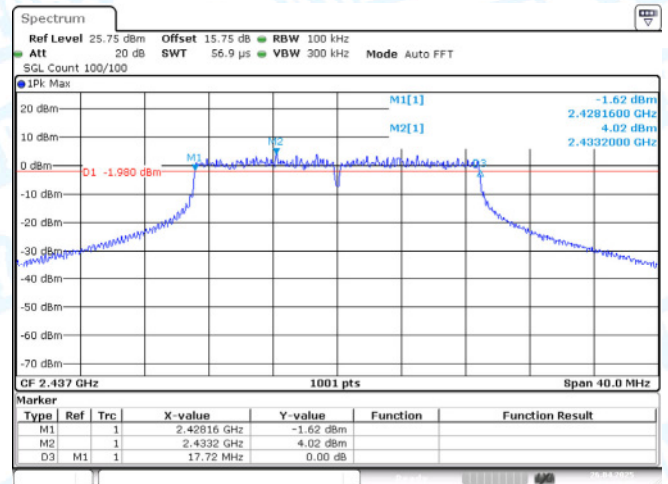
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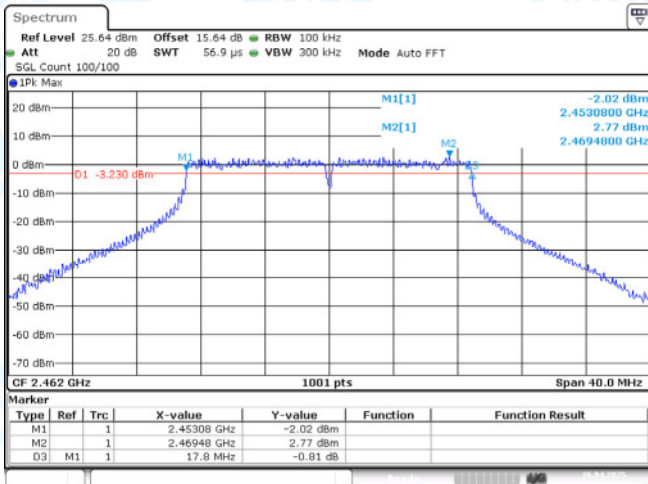
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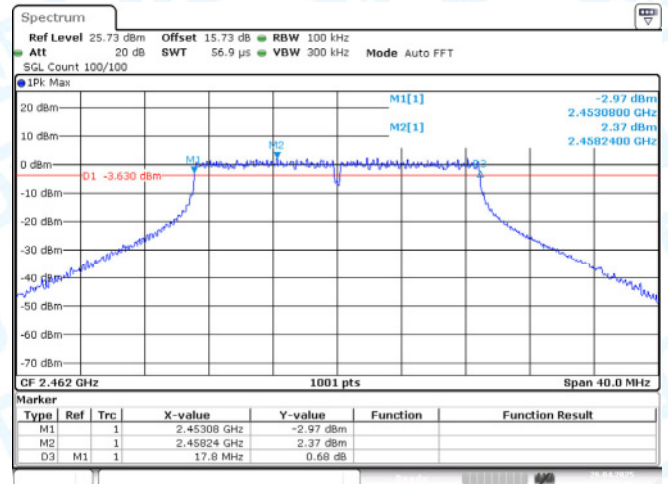
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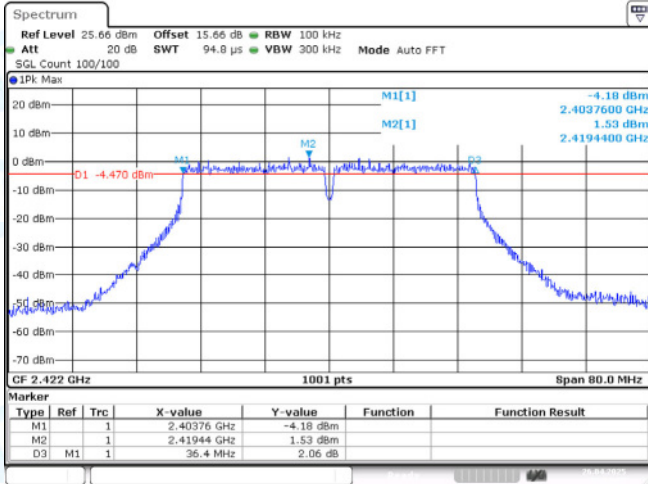
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11N20-CDD-Ant1-2462-PASS



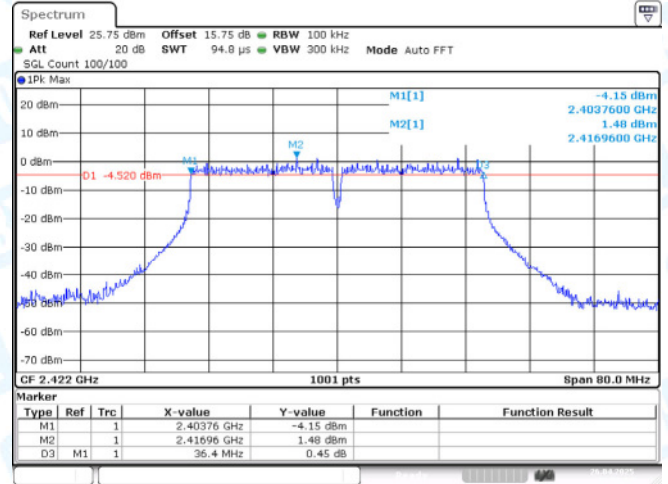
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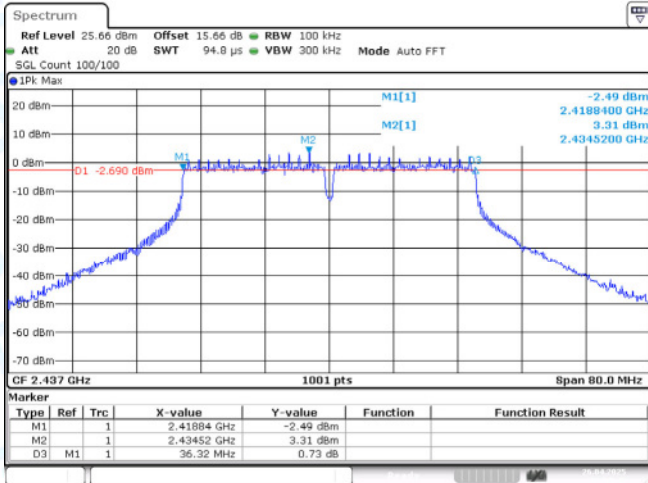
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11N40-CDD-Ant1-2422-PASS



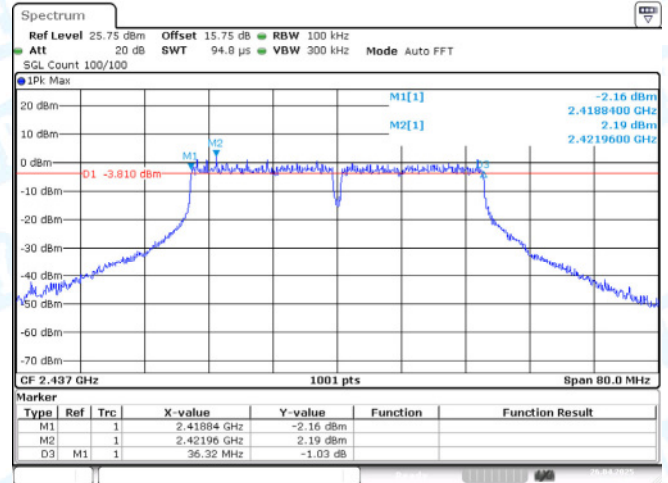
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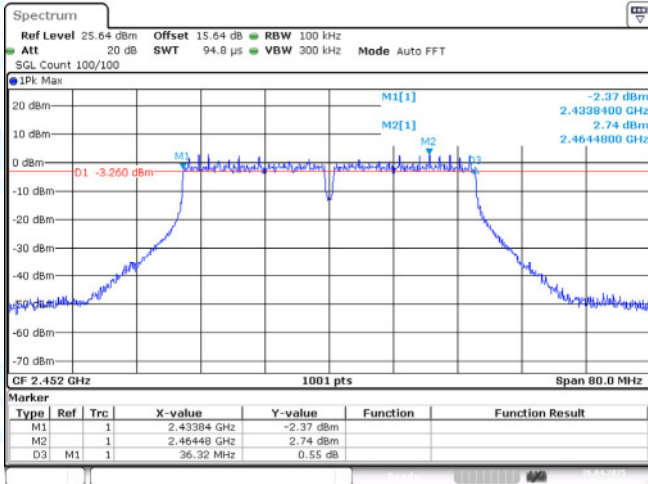
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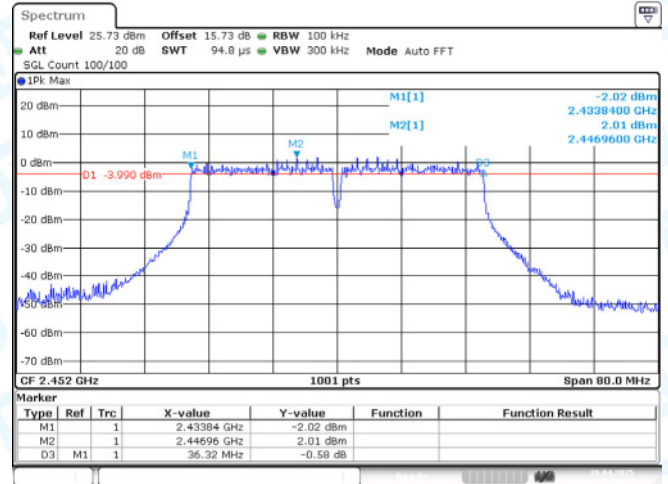
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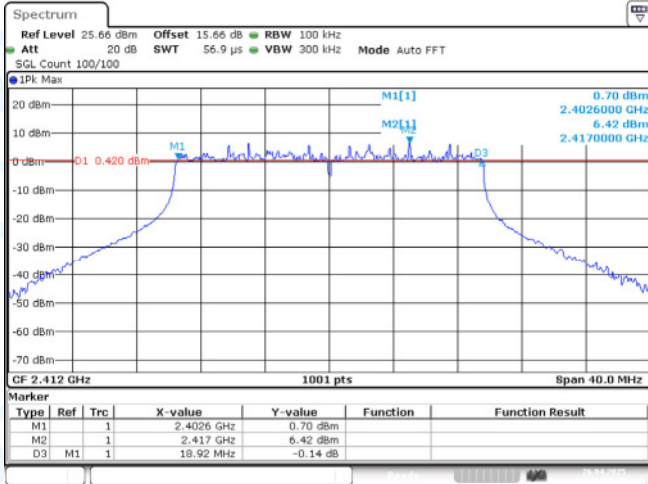
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11N40-CDD-Ant1-2452-PASS



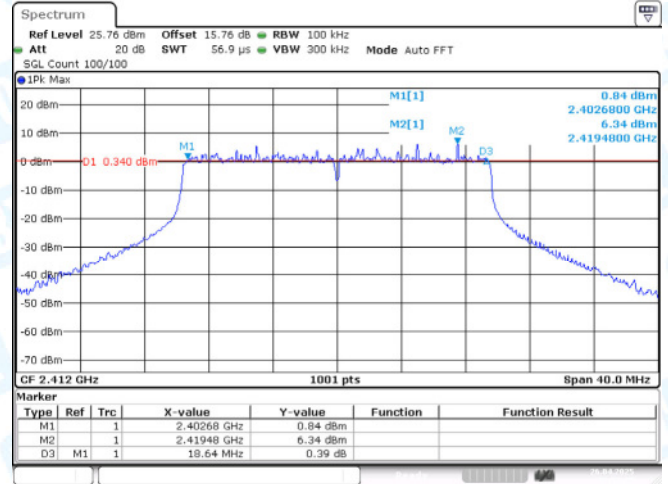
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11N40-CDD-Ant2-2452-PASS



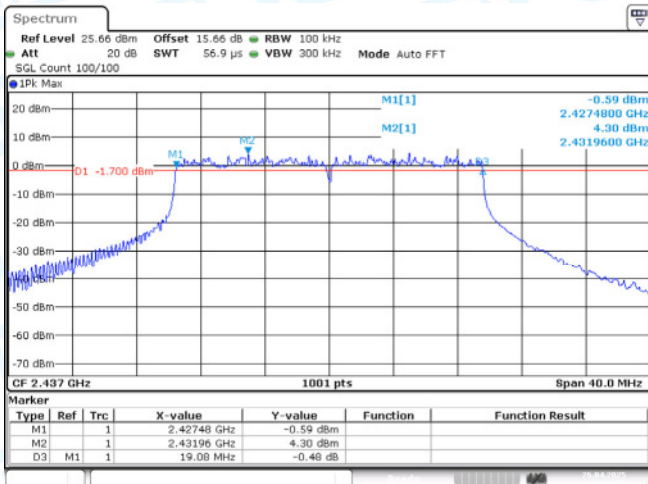
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11AX20-CDD-Ant1-2412-PASS



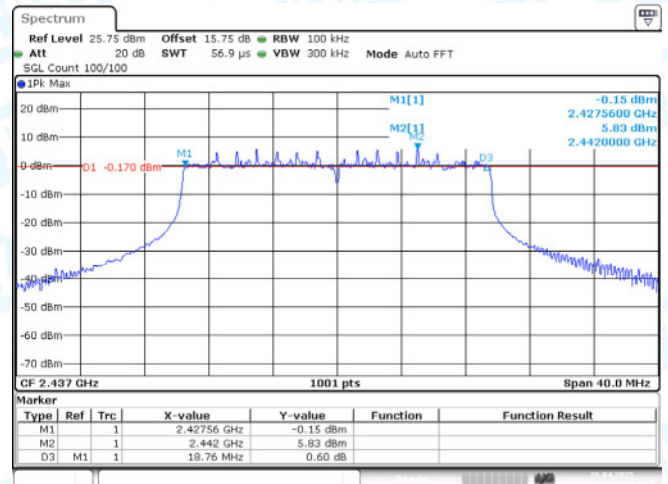
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11AX20-CDD-Ant2-2412-PASS



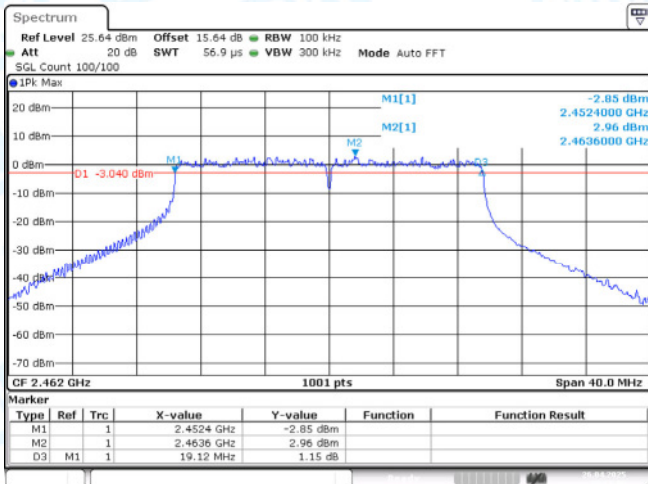
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11AX20-CDD-Ant1-2437-PASS



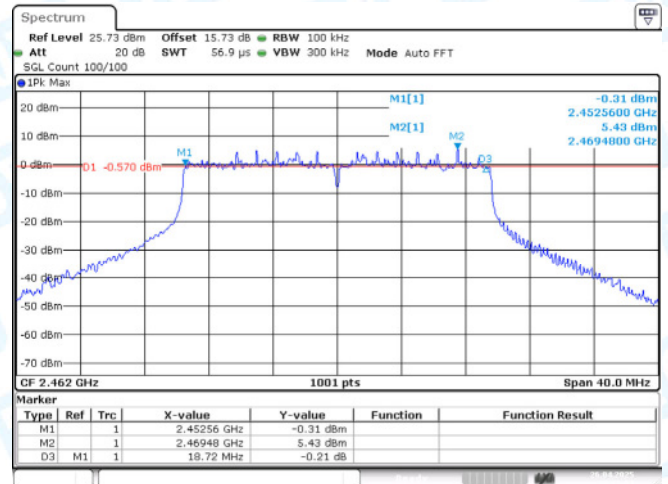
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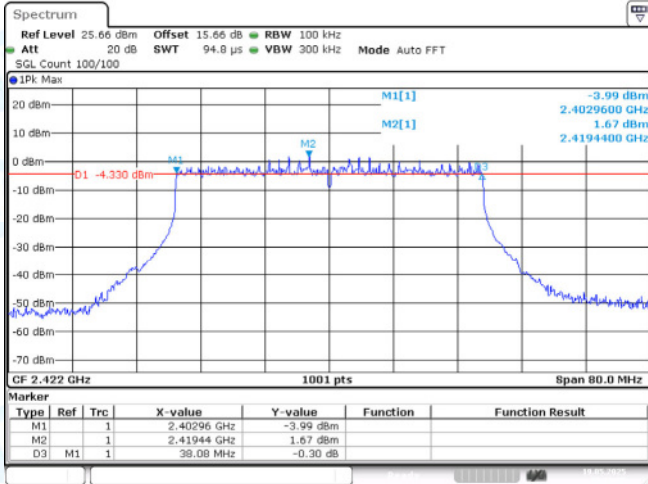
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11AX20-CDD-Ant1-2462-PASS



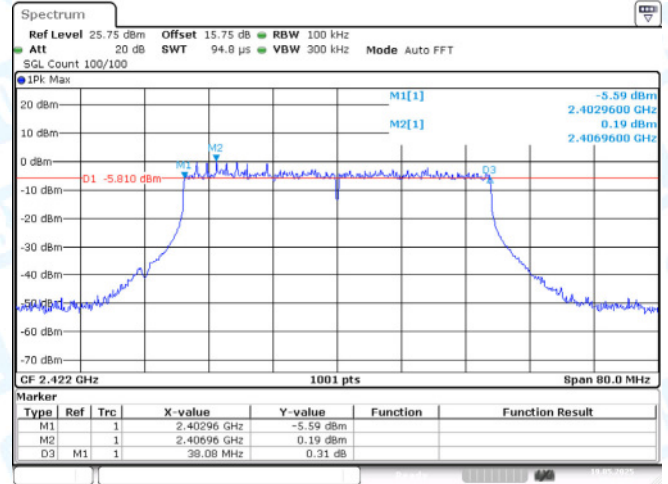
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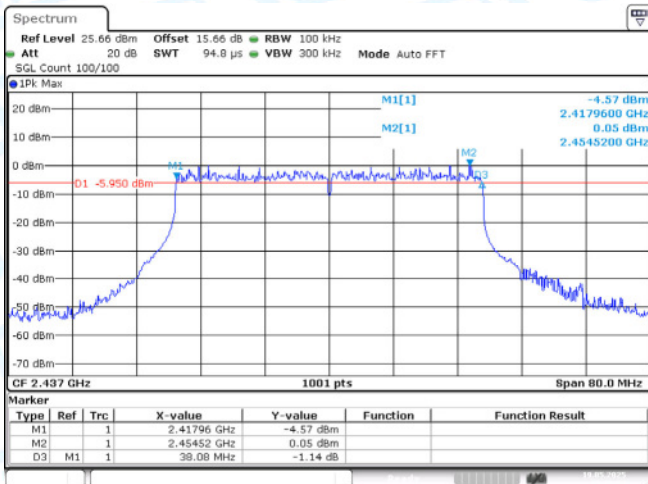
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11AX40-CDD-Ant1-2422-PASS



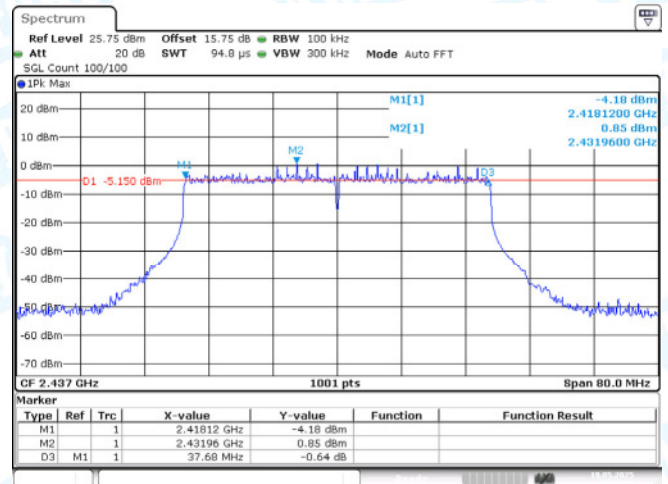
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11AX40-CDD-Ant2-2422-PASS



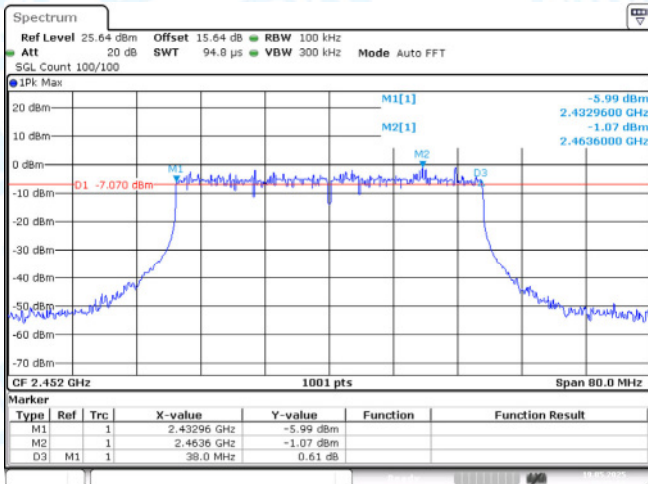
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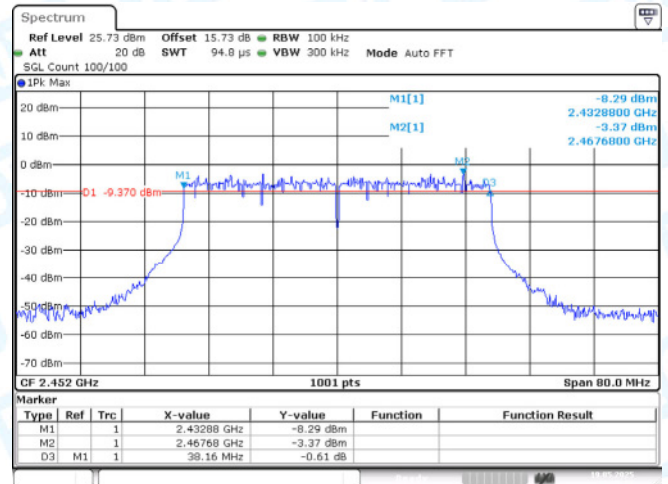
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11AX40-CDD-Ant2-2437-PASS



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11AX40-CDD-Ant1-2452-PASS



Date: 19.MAY.2025 13:23:10

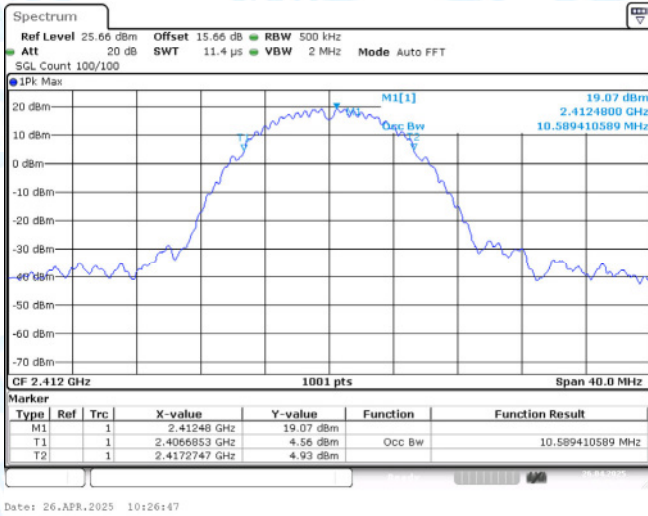
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2: Occupied Channel Bandwidth

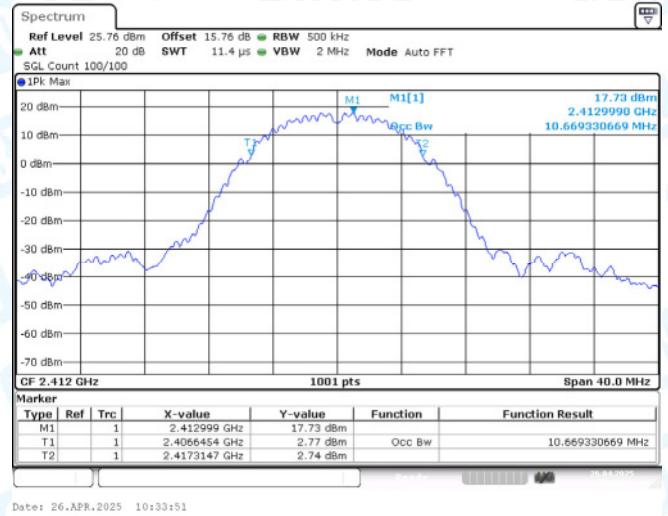
2.1 Test Result

TestMode	Ant.	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.589	2406.6853	2417.2747	---	---
11B	Ant2	2412	10.669	2406.6454	2417.3147	---	---
11B	Ant1	2437	10.509	2431.7253	2442.2348	---	---
11B	Ant2	2437	10.509	2431.7253	2442.2348	---	---
11B	Ant1	2462	10.470	2456.7253	2467.1948	---	---
11B	Ant2	2462	10.430	2456.7652	2467.1948	---	---
11G	Ant1	2412	17.582	2403.4486	2421.0310	---	---
11G	Ant2	2412	17.423	2403.4885	2420.9111	---	---
11G	Ant1	2437	17.902	2427.6893	2445.5914	---	---
11G	Ant2	2437	17.063	2428.5285	2445.5914	---	---
11G	Ant1	2462	17.103	2453.3686	2470.4715	---	---
11G	Ant2	2462	16.903	2453.3686	2470.2717	---	---
11N20-CDD	Ant1	2412	18.342	2402.8492	2421.1908	---	---
11N20-CDD	Ant2	2412	18.222	2402.8092	2421.0310	---	---
11N20-CDD	Ant1	2437	20.060	2426.5704	2446.6304	---	---
11N20-CDD	Ant2	2437	19.021	2427.5295	2446.5504	---	---
11N20-CDD	Ant1	2462	18.781	2452.6094	2471.3906	---	---
11N20-CDD	Ant2	2462	18.182	2452.8492	2471.0310	---	---
11N40-CDD	Ant1	2422	37.243	2403.6184	2440.8611	---	---
11N40-CDD	Ant2	2422	36.523	2403.6983	2440.2218	---	---
11N40-CDD	Ant1	2437	36.923	2418.3786	2455.3017	---	---
11N40-CDD	Ant2	2437	36.843	2418.6184	2455.4615	---	---
11N40-CDD	Ant1	2452	37.083	2433.7782	2470.8611	---	---
11N40-CDD	Ant2	2452	36.683	2433.5385	2470.2218	---	---
11AX20-CDD	Ant1	2412	19.780	2402.2897	2422.0699	---	---
11AX20-CDD	Ant2	2412	19.421	2402.2897	2421.7103	---	---
11AX20-CDD	Ant1	2437	19.461	2427.1698	2446.6304	---	---
11AX20-CDD	Ant2	2437	19.181	2427.4496	2446.6304	---	---
11AX20-CDD	Ant1	2462	19.461	2452.2897	2471.7502	---	---
11AX20-CDD	Ant2	2462	19.181	2452.4496	2471.6304	---	---
11AX40-CDD	Ant1	2422	38.122	2402.9790	2441.1009	---	---
11AX40-CDD	Ant2	2422	38.282	2402.8192	2441.1009	---	---
11AX40-CDD	Ant1	2437	38.282	2417.7393	2456.0210	---	---
11AX40-CDD	Ant2	2437	38.362	2417.8991	2456.2607	---	---
11AX40-CDD	Ant1	2452	38.042	2432.9790	2471.0210	---	---
11AX40-CDD	Ant2	2452	38.202	2432.8991	2471.1009	---	---

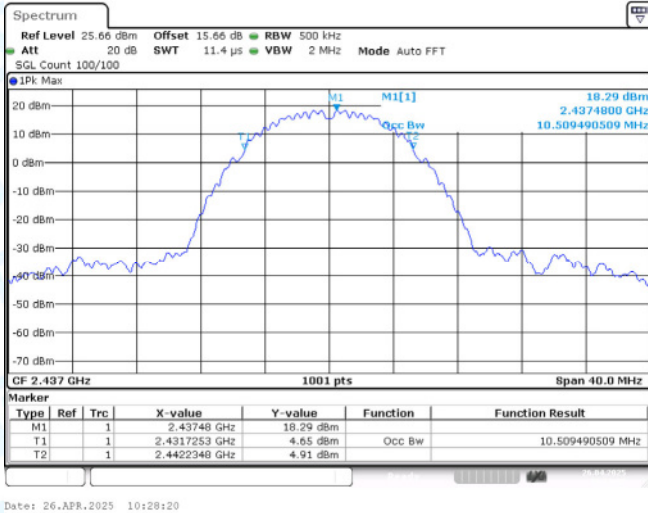
2.2 Test Graphs



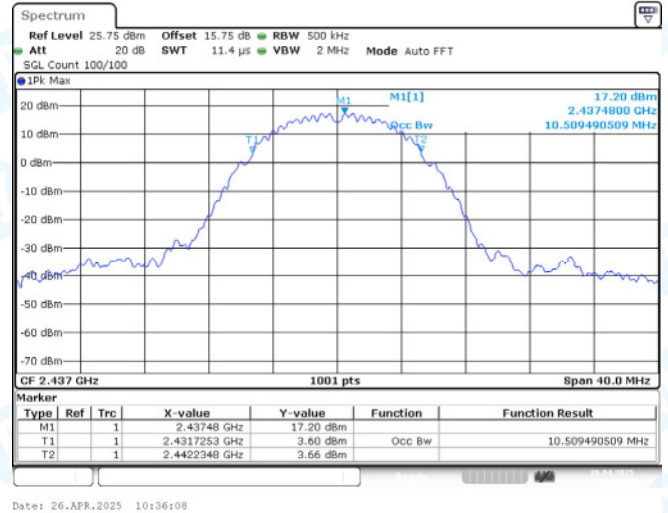
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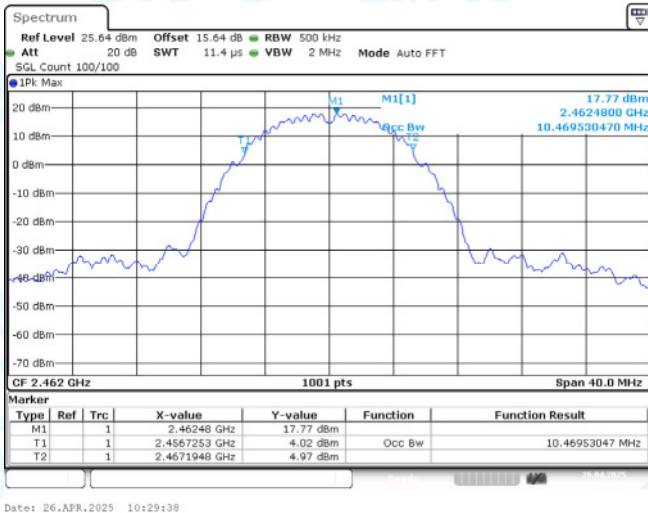
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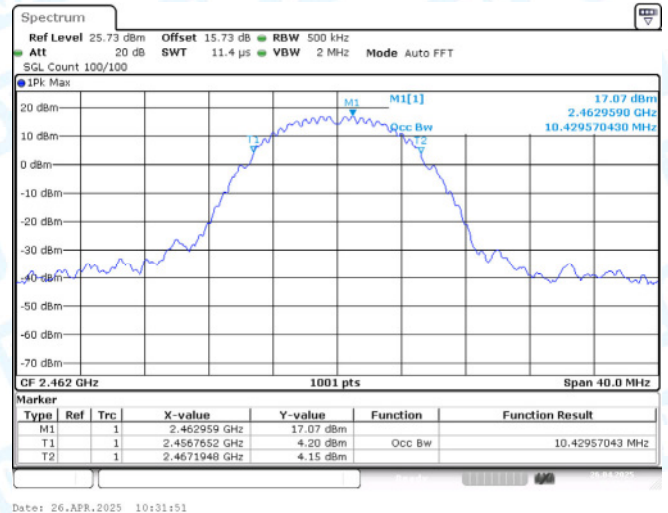
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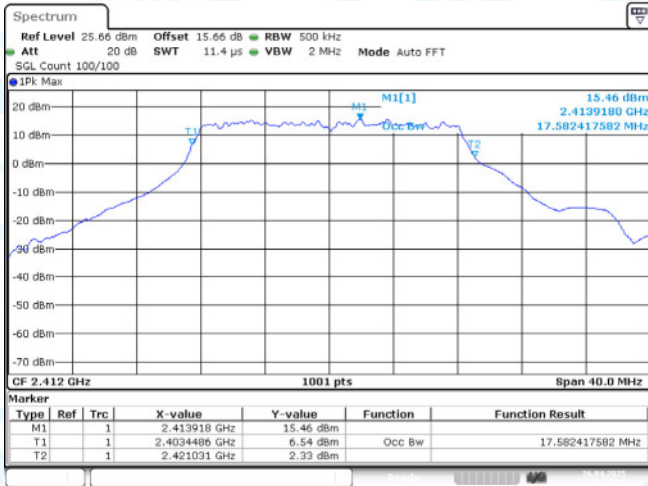
11B-Ant2-2437



11B-Ant1-2462

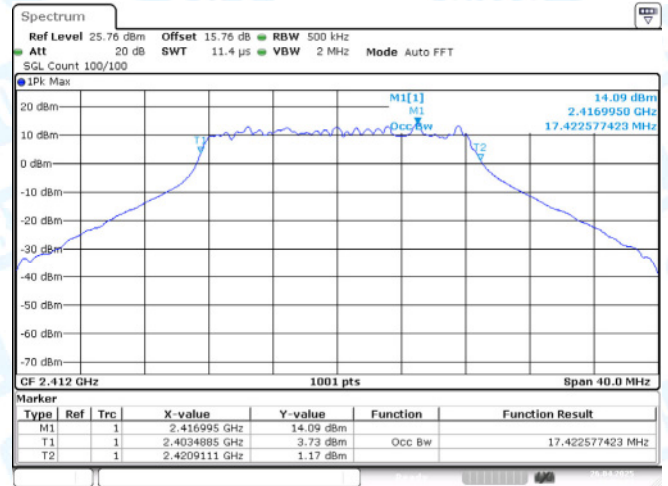


11B-Ant2-2462



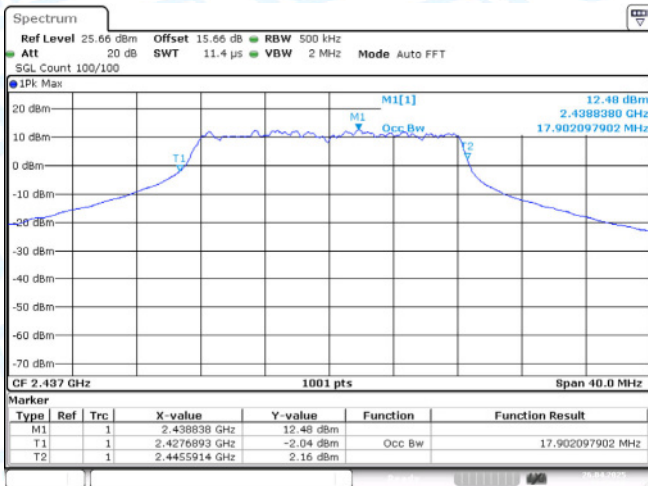
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11G-Ant1-2412



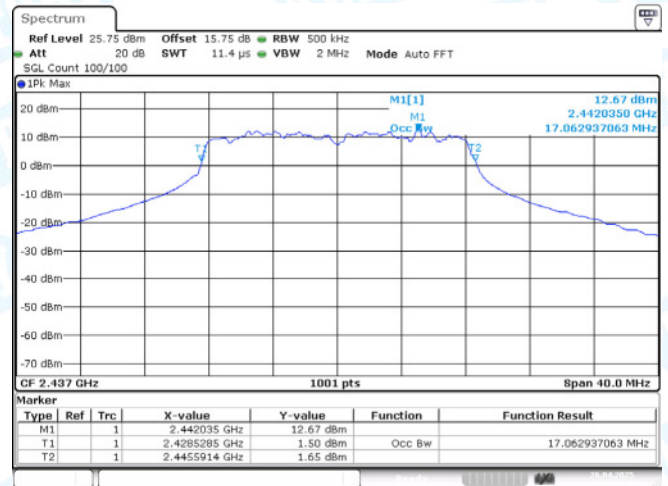
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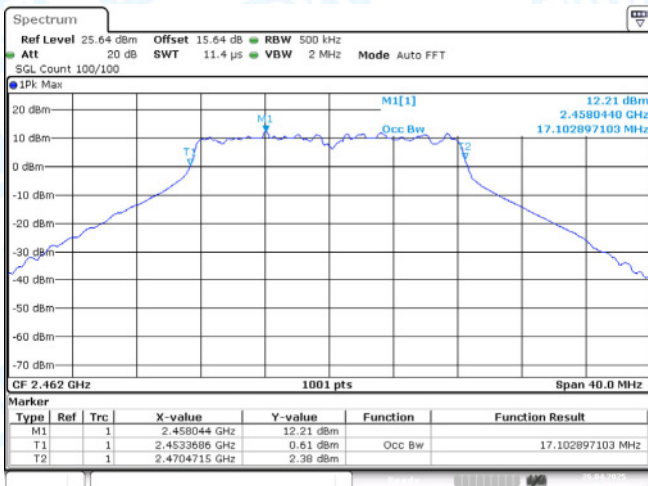
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11G-Ant1-2437



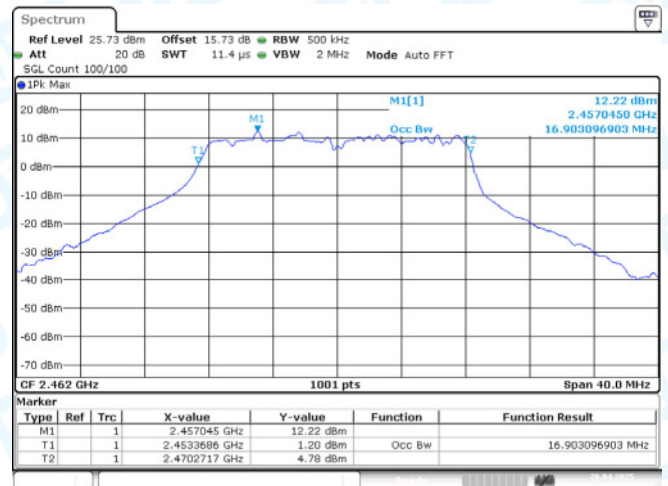
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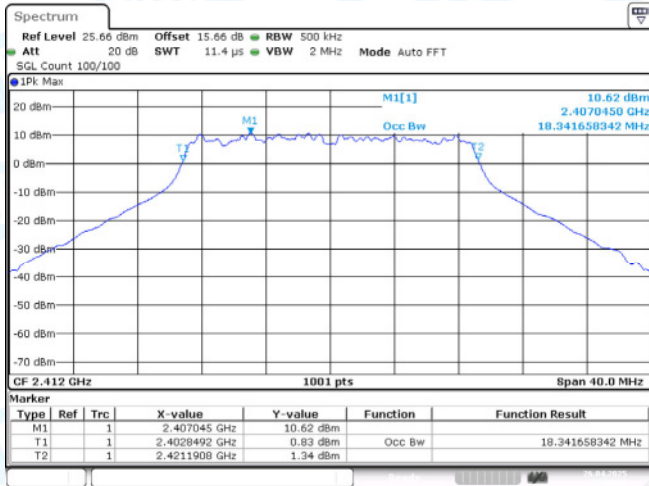
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11G-Ant1-2462



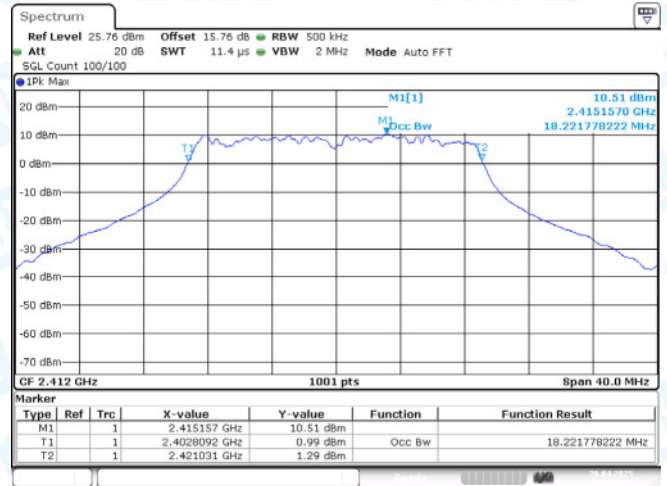
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11G-Ant2-2462



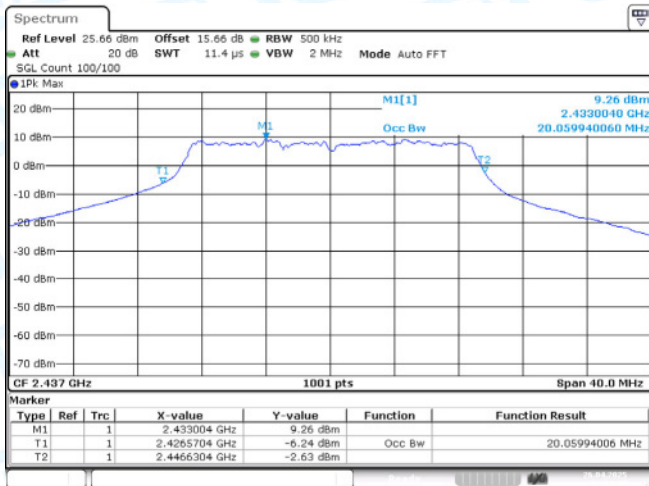
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11N20-CDD-Ant1-2412



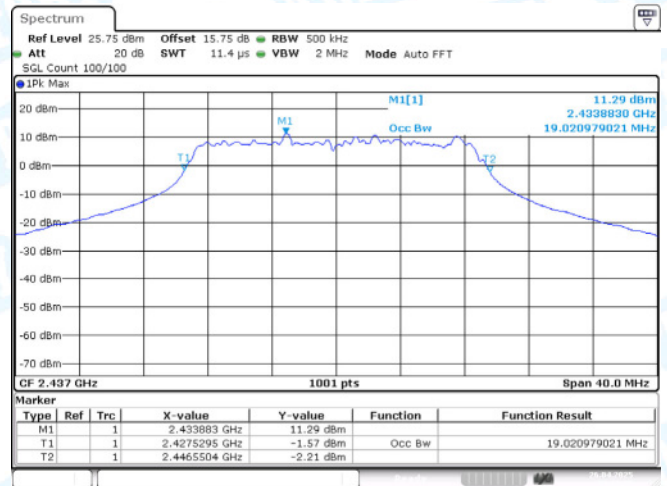
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11N20-CDD-Ant2-2412



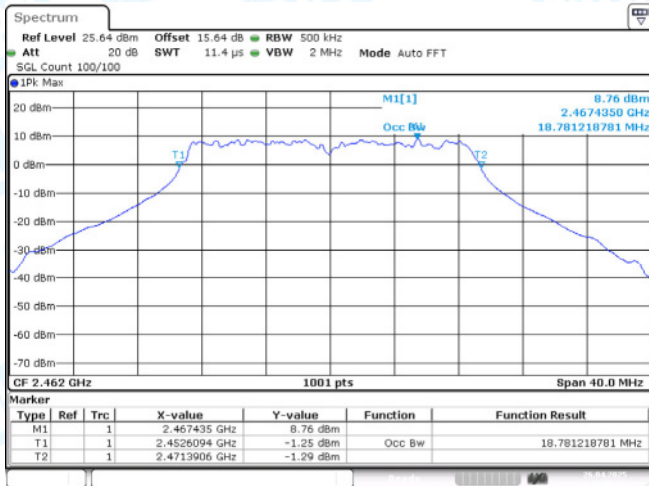
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11N20-CDD-Ant1-2437



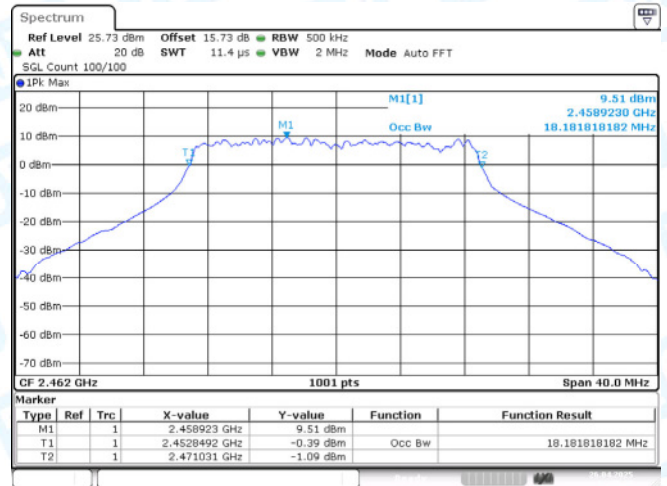
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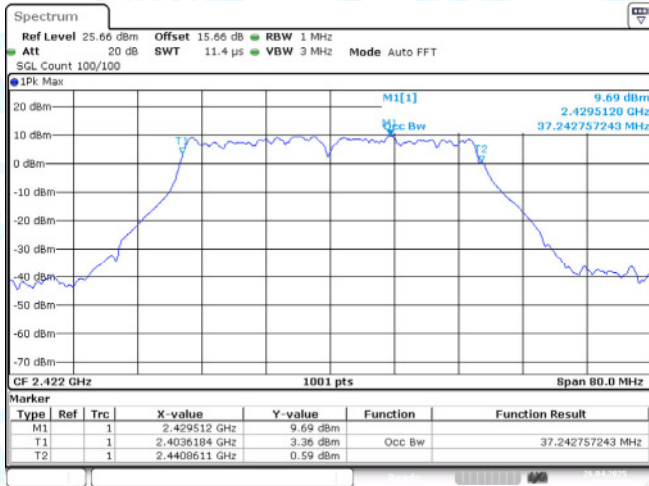
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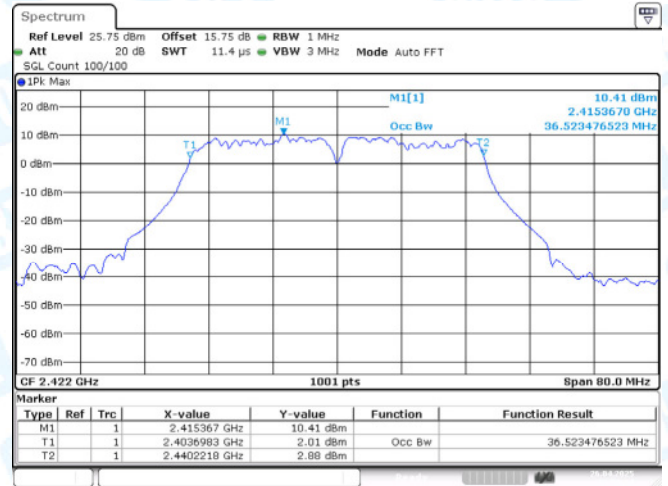
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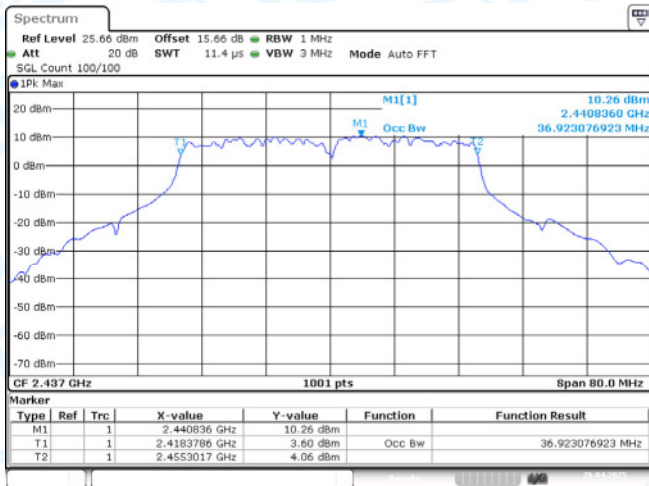
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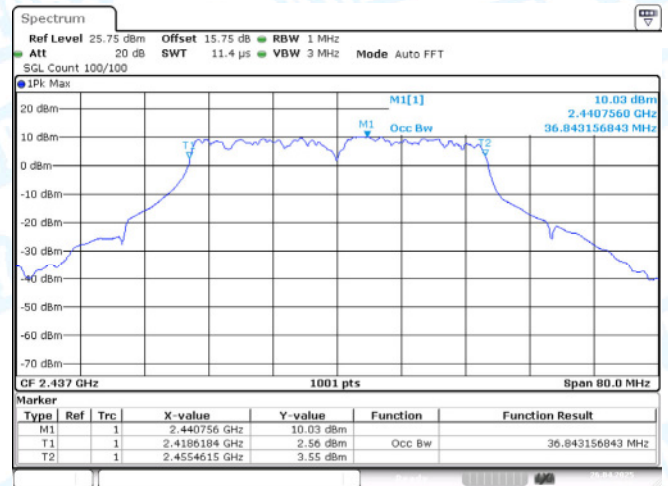
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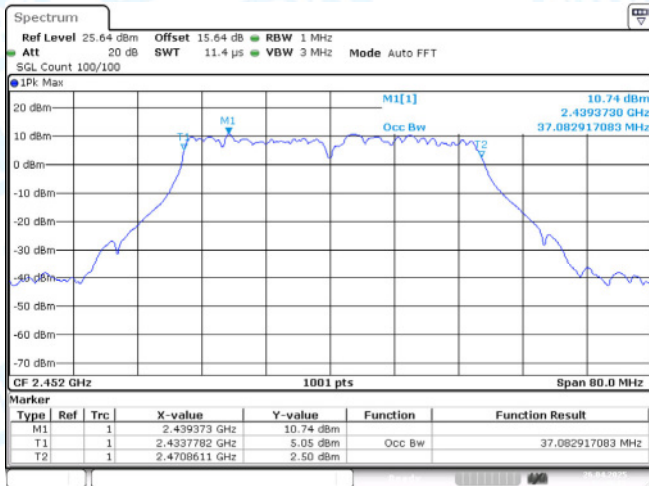
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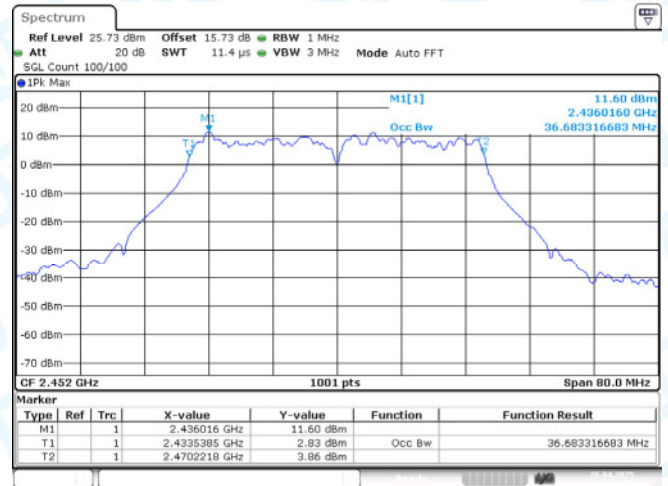
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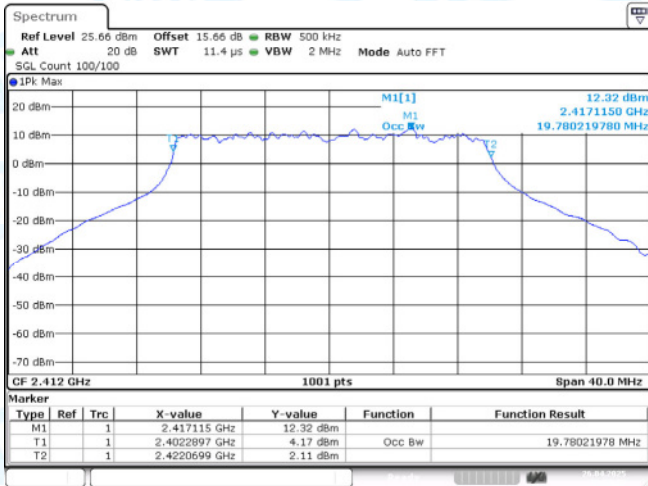
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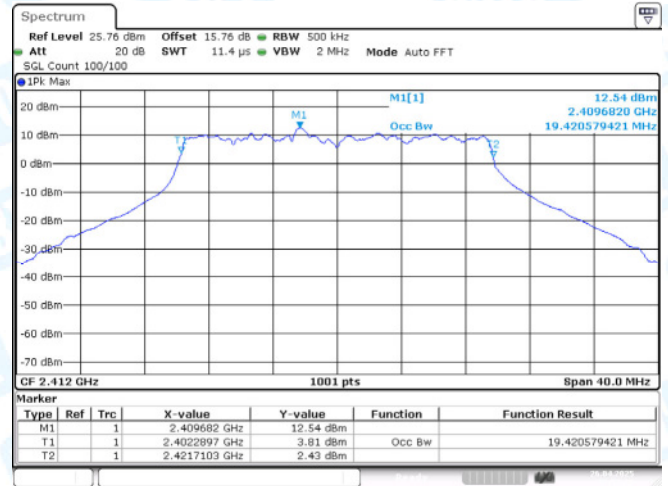


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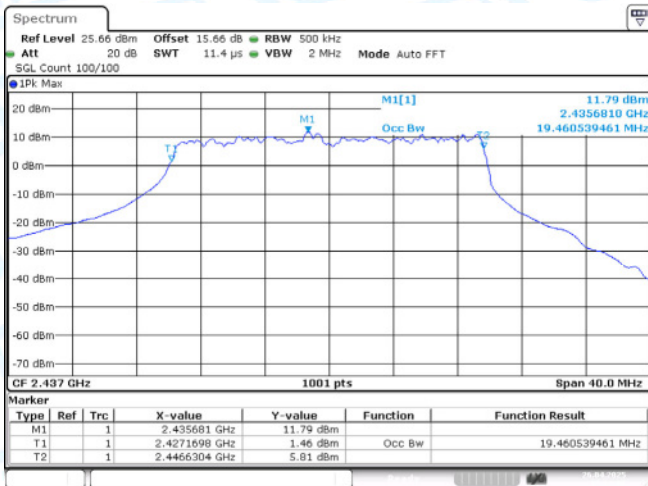
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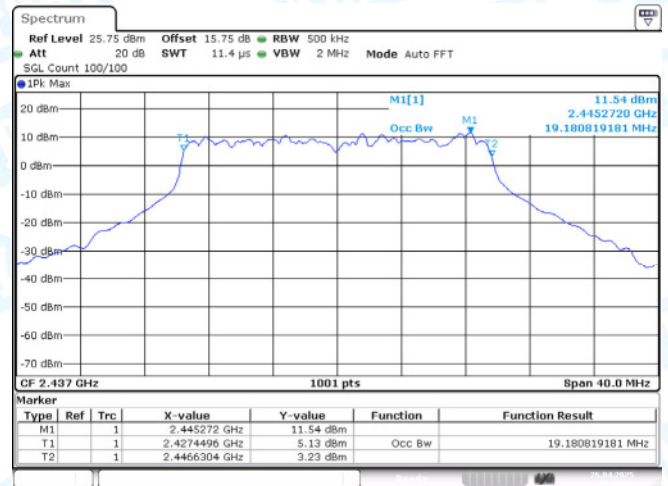
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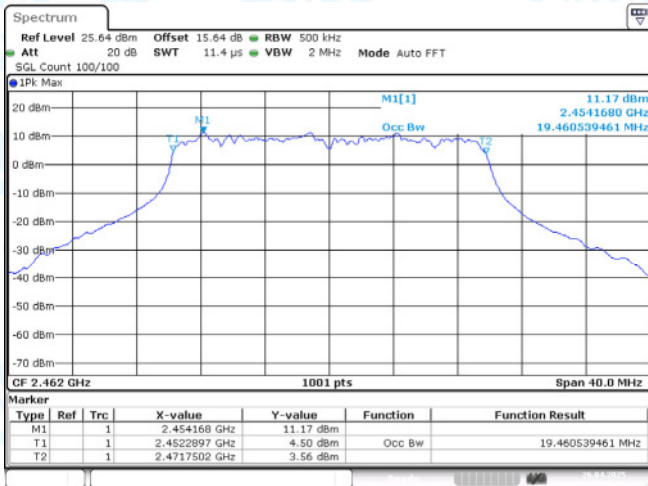
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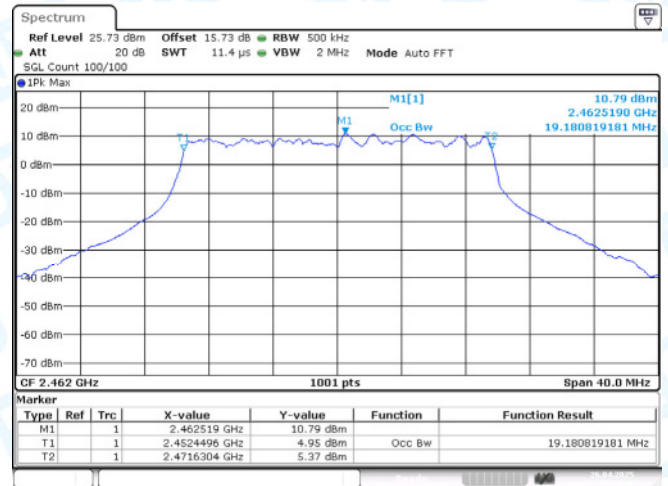
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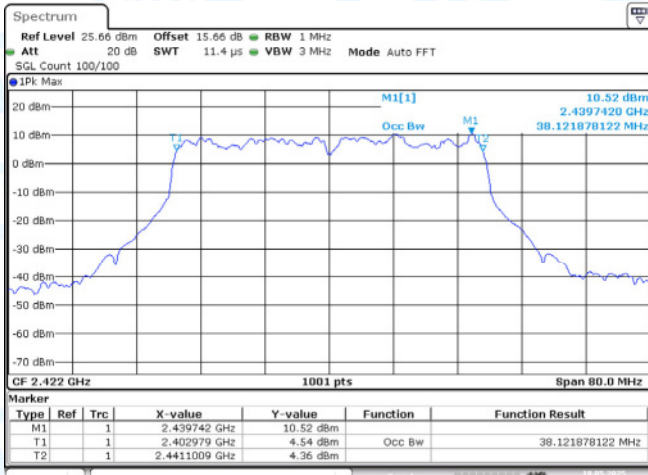
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11AX20-CDD-Ant1-2462

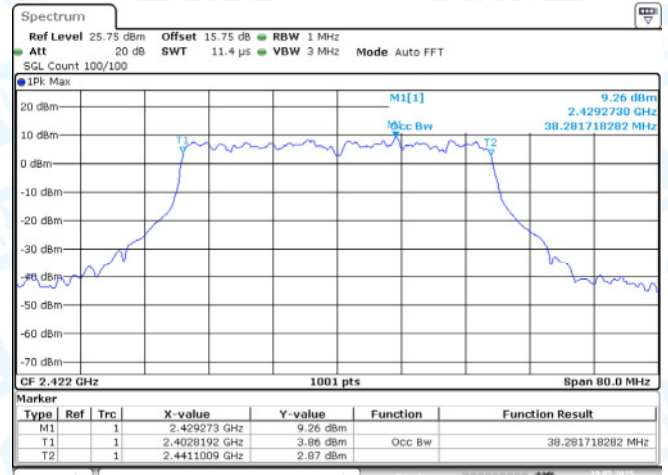


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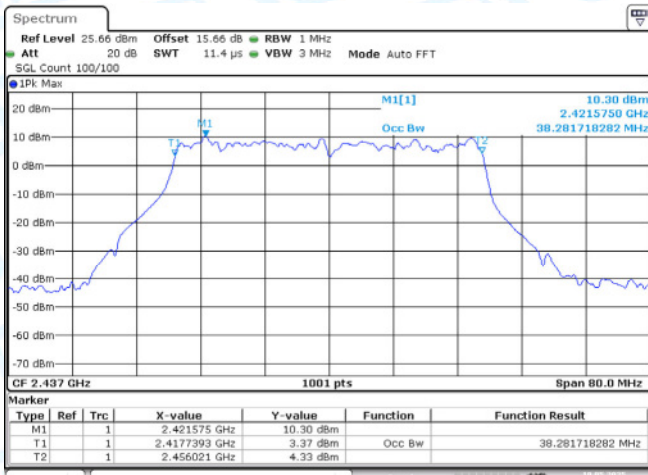
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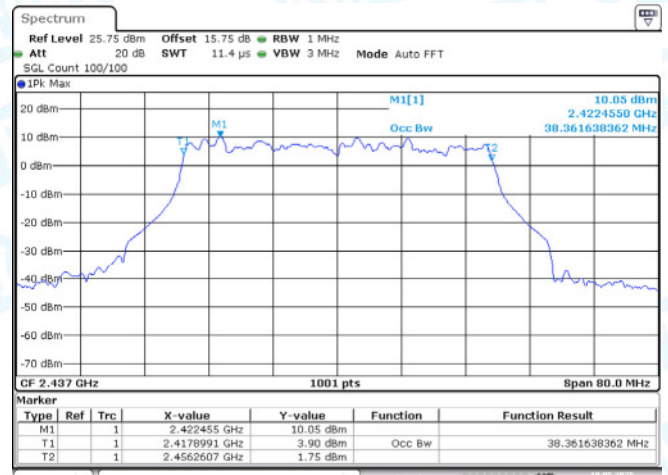
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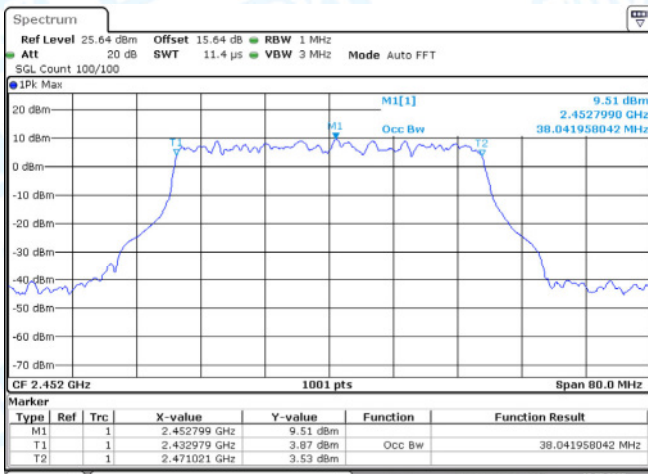
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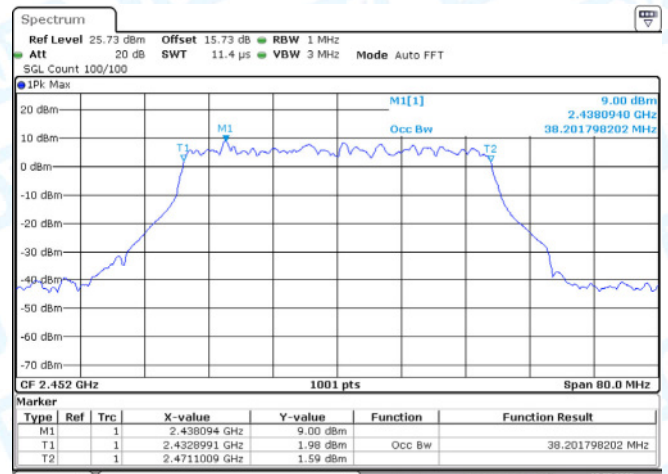
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11AX40-CDD-Ant2-2437



Date: 19.MAY.2025 13:21:48

11AX40-CDD-Ant1-2452



Date: 19.MAY.2025 13:23:19

11AX40-CDD-Ant2-2452