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

General Description of EUT	
EUT Name:	Portable Gaming Computer(Tablet computer)
Model:	AYANEO Pocket DMG
Sample ID:	HC-C-202410-0245-01-01-2#
Environmental Conditions	
Ambient Temperature:	24.5℃
Ambient Humidity:	47%RH
Test Power Supply:	DC 3.85V
Test Engineer:	Zkn.zhou
Note: For a more detailed features description, please refer to the report TBR-C-202410-0245-142	

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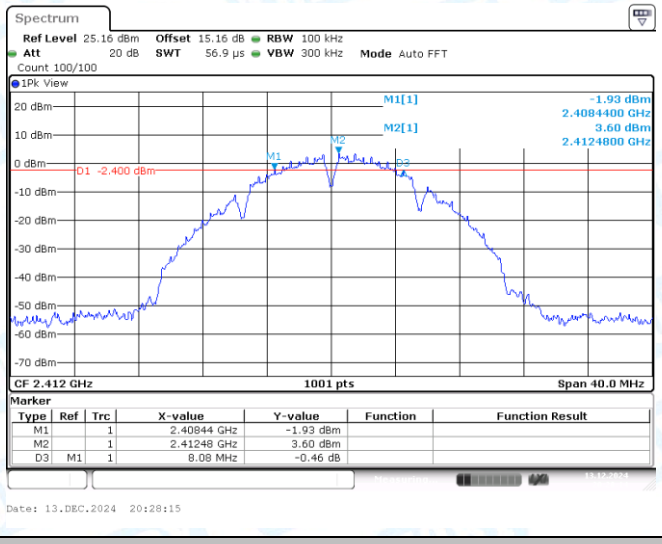
1: DTS Bandwidth

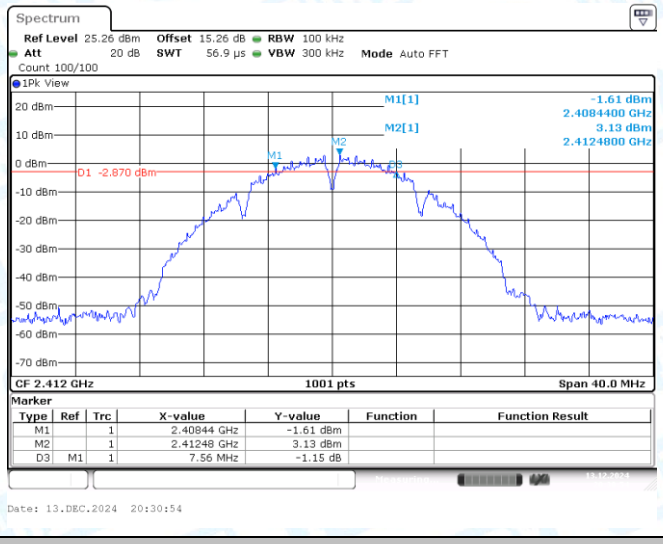
1.1Test Result

TestMode	Ant.	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	8.08	2408.44	2416.52	0.5	PASS
11B-CDD	Ant2	2412	7.56	2408.44	2416.00	0.5	PASS
11B-CDD	Ant1	2437	8.08	2432.92	2441.00	0.5	PASS
11B-CDD	Ant2	2437	8.04	2432.96	2441.00	0.5	PASS
11B-CDD	Ant1	2462	7.56	2457.96	2465.52	0.5	PASS
11B-CDD	Ant2	2462	8.04	2457.96	2466.00	0.5	PASS
11G-CDD	Ant1	2412	15.72	2404.44	2420.16	0.5	PASS
11G-CDD	Ant2	2412	16.44	2403.80	2420.24	0.5	PASS
11G-CDD	Ant1	2437	16.36	2428.80	2445.16	0.5	PASS
11G-CDD	Ant2	2437	16.40	2428.76	2445.16	0.5	PASS
11G-CDD	Ant1	2462	16.40	2453.76	2470.16	0.5	PASS
11G-CDD	Ant2	2462	16.32	2453.80	2470.12	0.5	PASS
11N20MIMO	Ant1	2412	17.72	2403.20	2420.92	0.5	PASS
11N20MIMO	Ant2	2412	17.32	2403.48	2420.80	0.5	PASS
11N20MIMO	Ant1	2437	17.60	2428.16	2445.76	0.5	PASS
11N20MIMO	Ant2	2437	17.60	2428.16	2445.76	0.5	PASS
11N20MIMO	Ant1	2462	17.64	2453.16	2470.80	0.5	PASS
11N20MIMO	Ant2	2462	17.72	2453.08	2470.80	0.5	PASS
11N40MIMO	Ant1	2422	35.92	2404.24	2440.16	0.5	PASS
11N40MIMO	Ant2	2422	36.48	2403.76	2440.24	0.5	PASS
11N40MIMO	Ant1	2437	36.40	2418.76	2455.16	0.5	PASS
11N40MIMO	Ant2	2437	36.40	2418.76	2455.16	0.5	PASS
11N40MIMO	Ant1	2452	36.40	2433.76	2470.16	0.5	PASS
11N40MIMO	Ant2	2452	36.56	2433.68	2470.24	0.5	PASS
11AX20MIMO	Ant1	2412	18.92	2402.64	2421.56	0.5	PASS
11AX20MIMO	Ant2	2412	19.16	2402.44	2421.60	0.5	PASS
11AX20MIMO	Ant1	2437	19.12	2427.40	2446.52	0.5	PASS
11AX20MIMO	Ant2	2437	18.80	2427.48	2446.28	0.5	PASS
11AX20MIMO	Ant1	2462	18.68	2452.52	2471.20	0.5	PASS
11AX20MIMO	Ant2	2462	19.08	2452.44	2471.52	0.5	PASS
11AX40MIMO	Ant1	2422	37.92	2403.20	2441.12	0.5	PASS
11AX40MIMO	Ant2	2422	38.24	2402.88	2441.12	0.5	PASS
11AX40MIMO	Ant1	2437	38.24	2417.88	2456.12	0.5	PASS
11AX40MIMO	Ant2	2437	38.24	2417.88	2456.12	0.5	PASS
11AX40MIMO	Ant1	2452	38.24	2432.80	2471.04	0.5	PASS
11AX40MIMO	Ant2	2452	37.92	2432.96	2470.88	0.5	PASS

1.2 Test Graphs



11B-CDD-Ant1-2412-PASS



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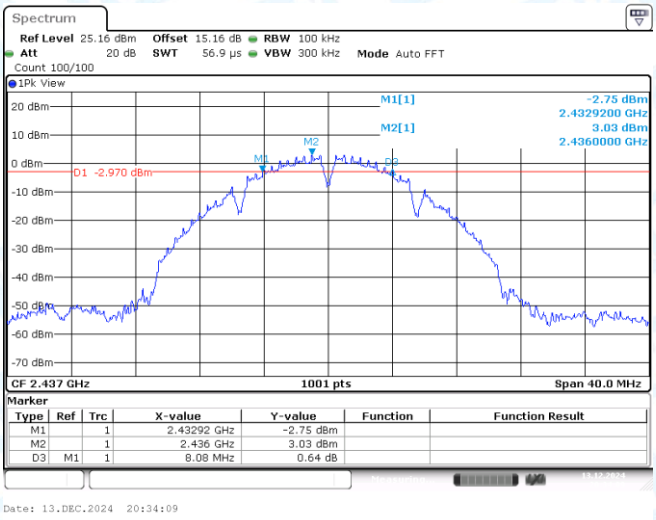

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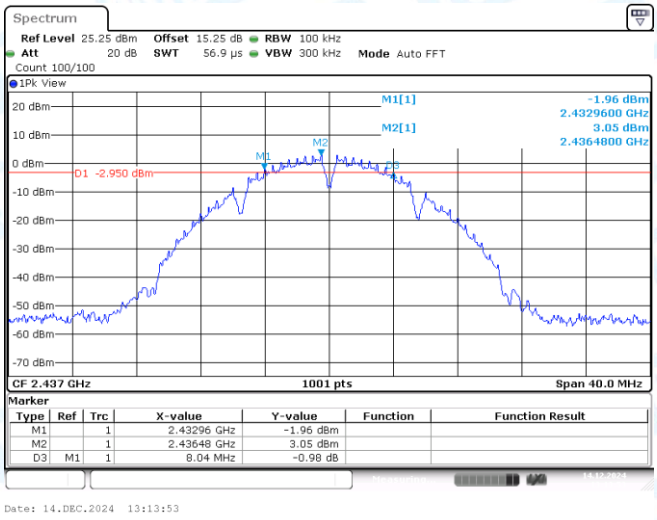

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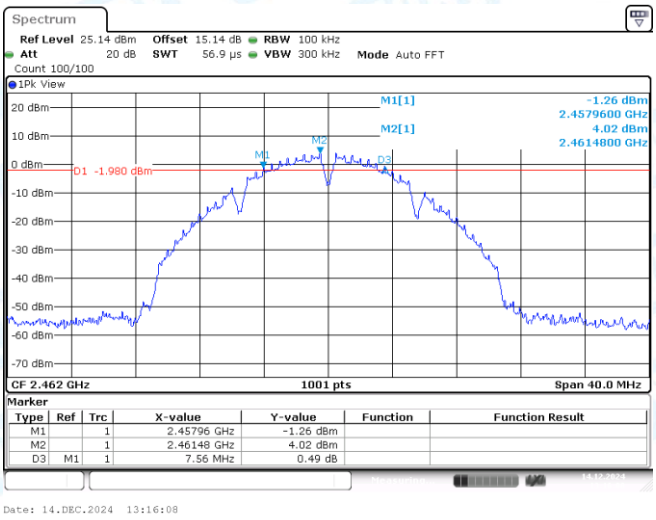

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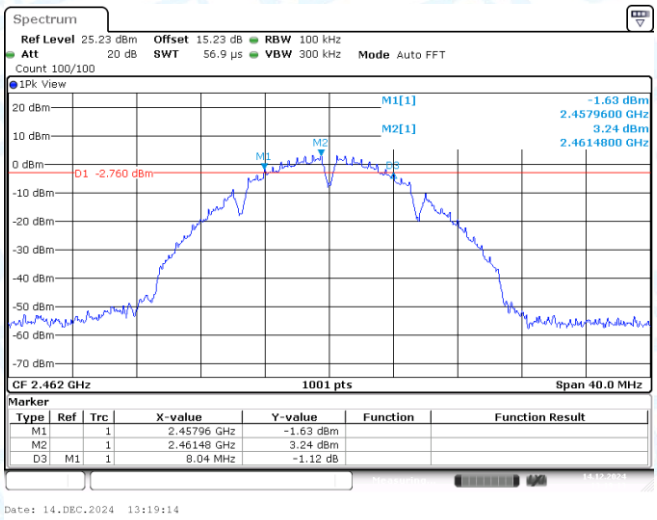

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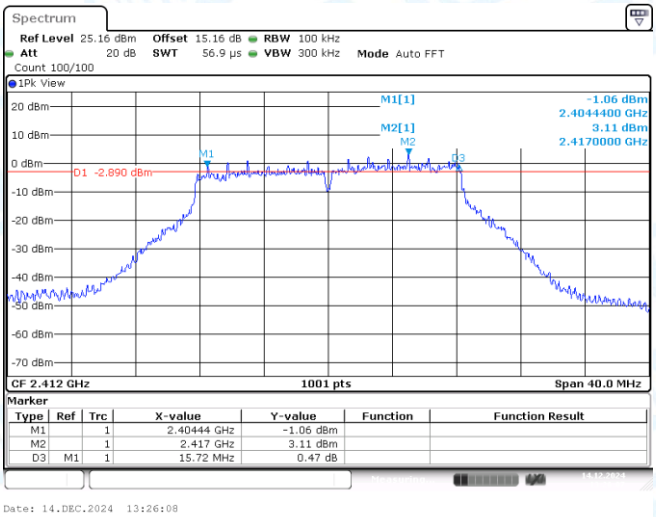

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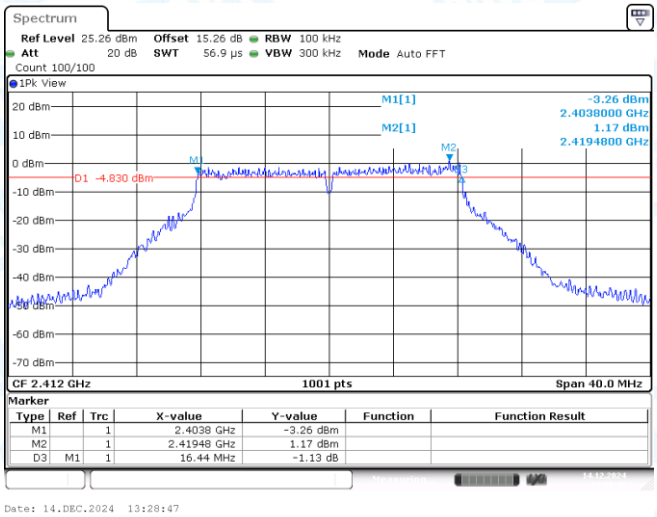

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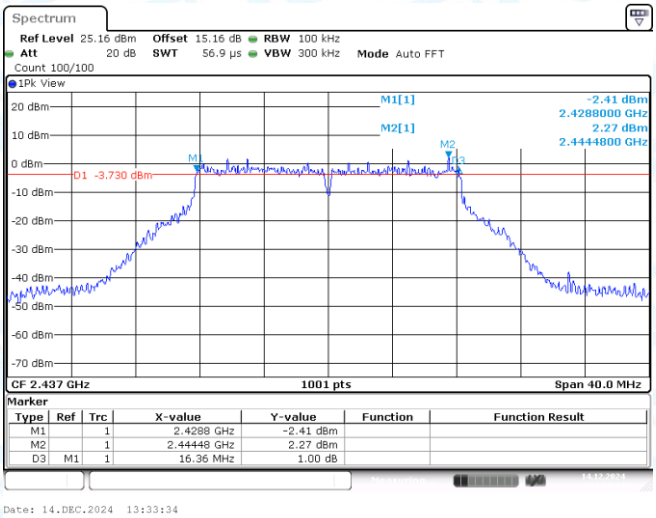

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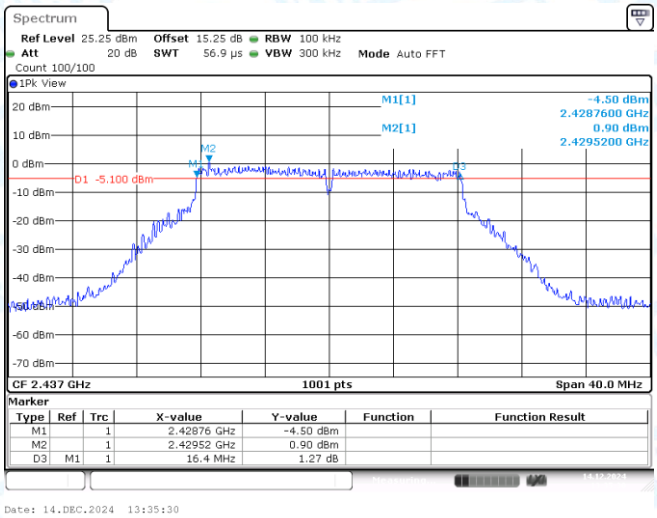

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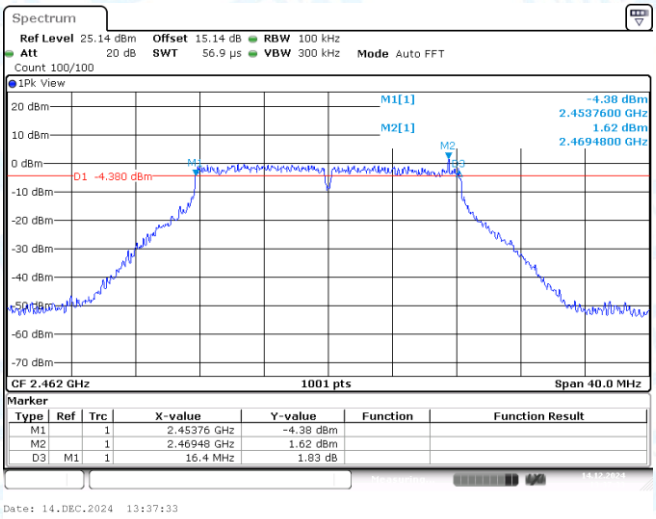

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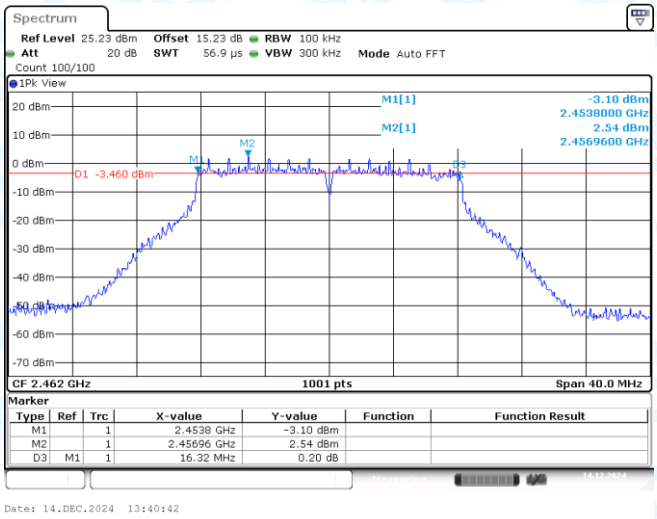

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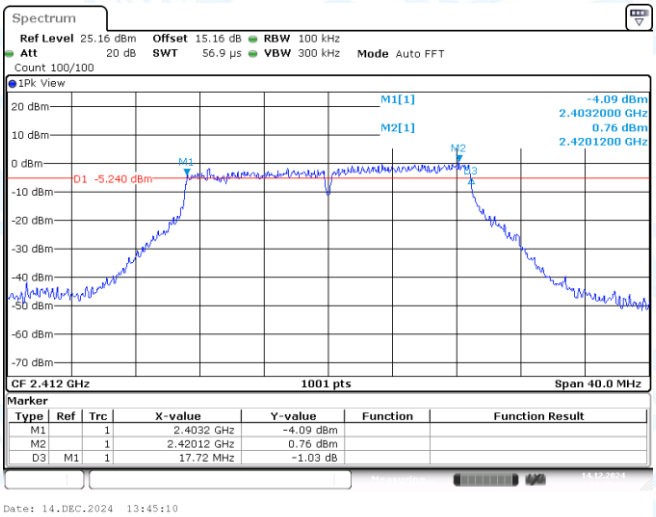
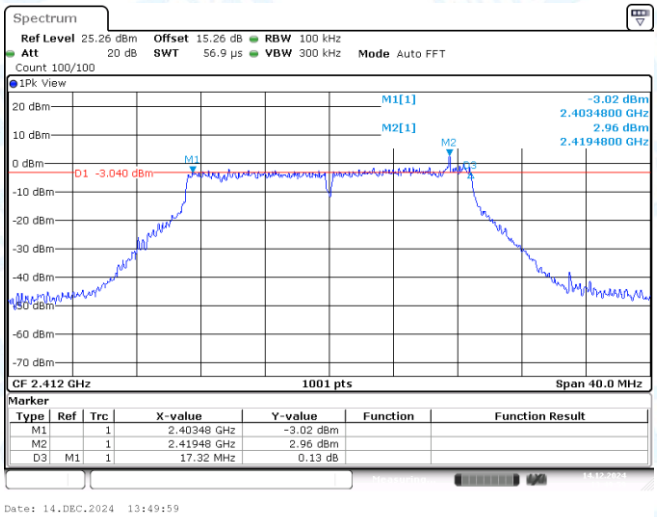


11N20MIMO-Ant1-2412-PASS



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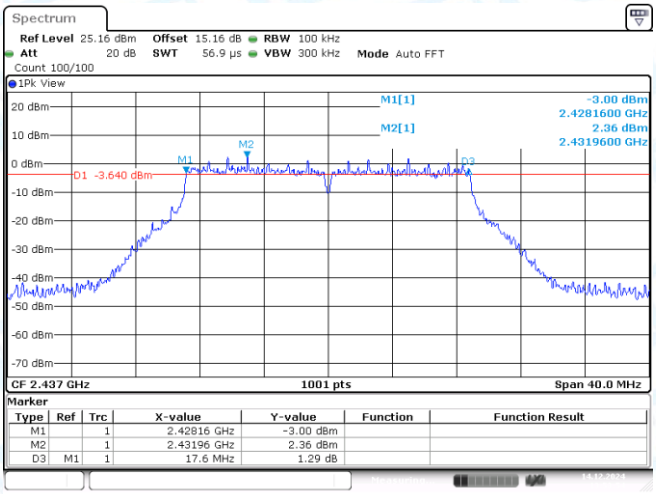
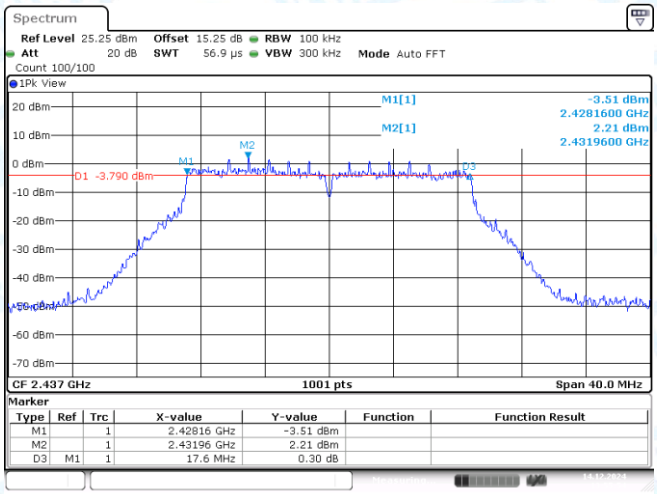


11N20MIMO-Ant1-2437-PASS



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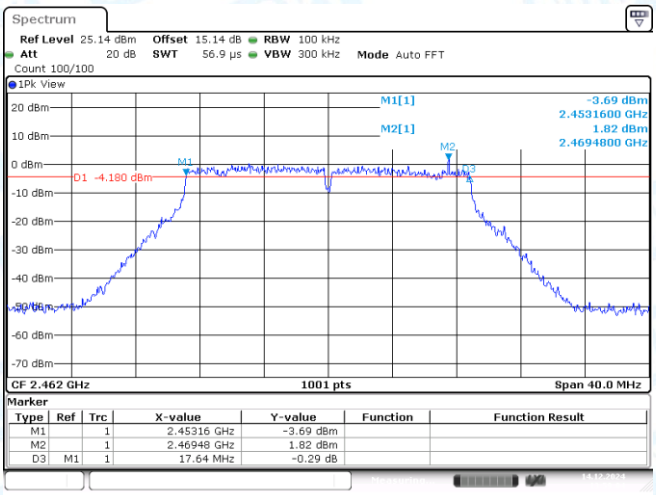

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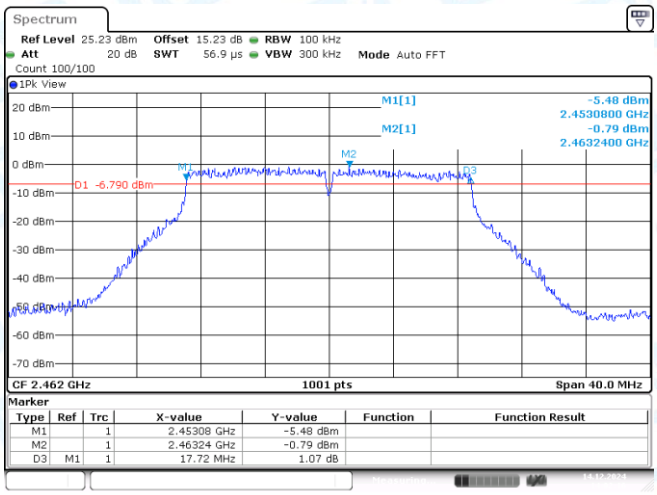

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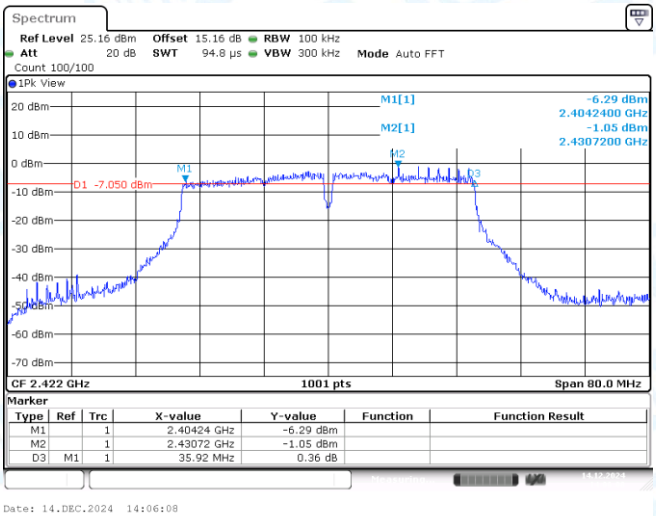
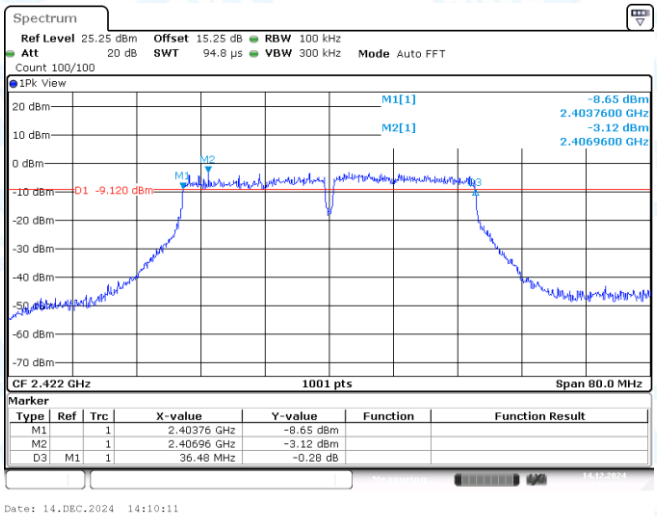
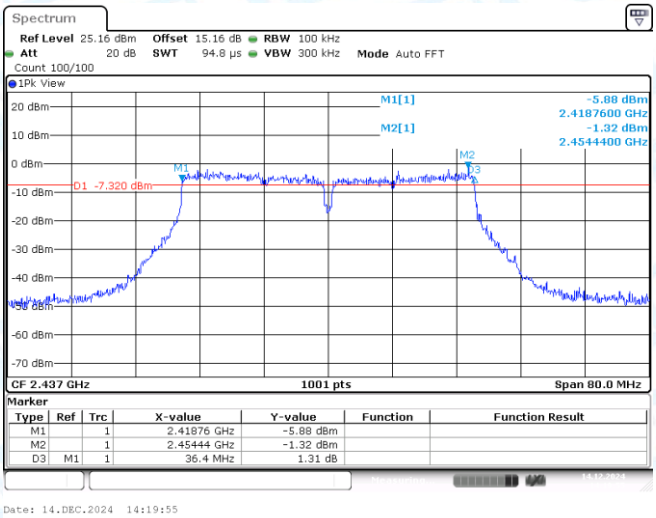


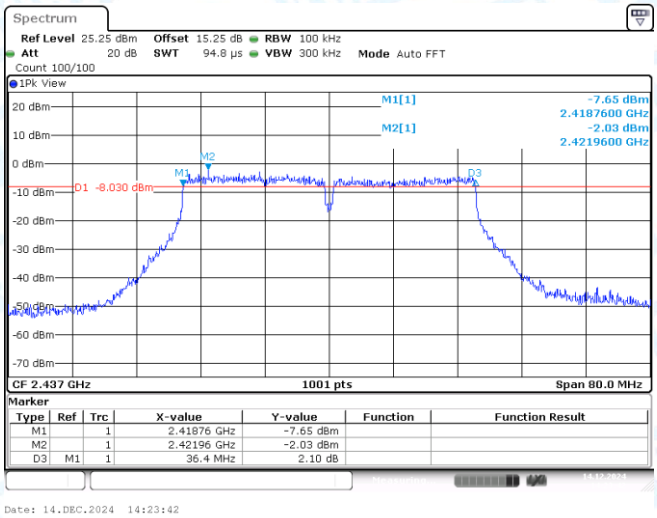
11N40MIMO-Ant1-2422-PASS



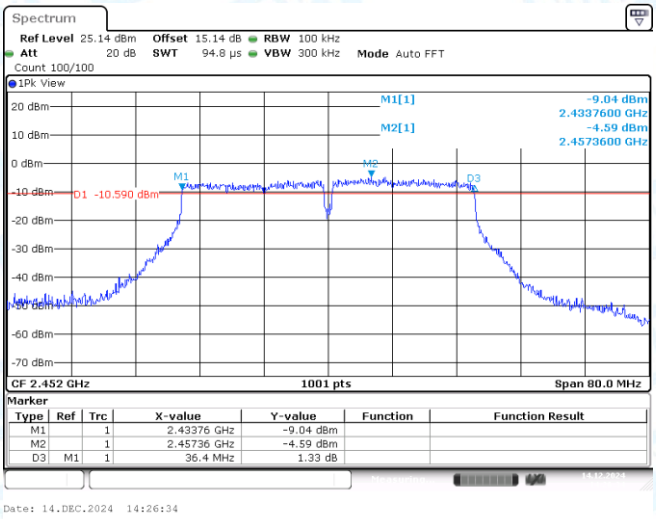
11N40MIMO-Ant2-2422-PASS



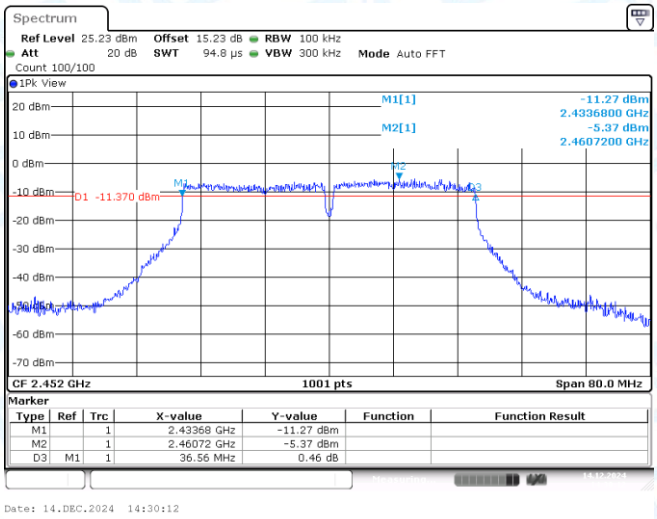
11N40MIMO-Ant1-2437-PASS



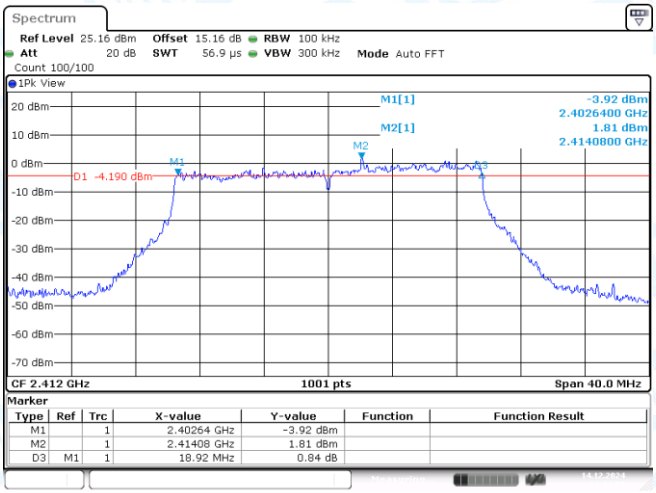
11N40MIMO-Ant2-2437-PASS



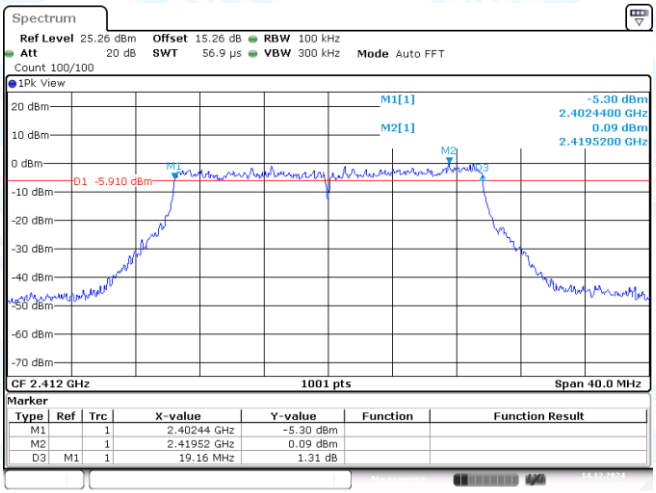
11N40MIMO-Ant1-2452-PASS



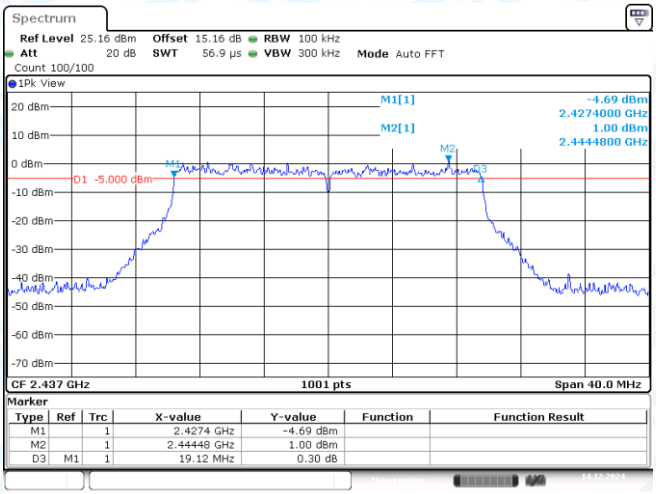
11N40MIMO-Ant2-2452-PASS



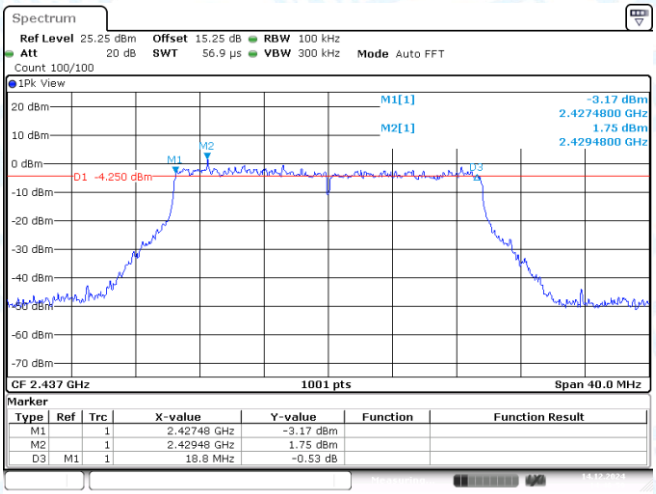
11AX20MIMO-Ant1-2412-PASS



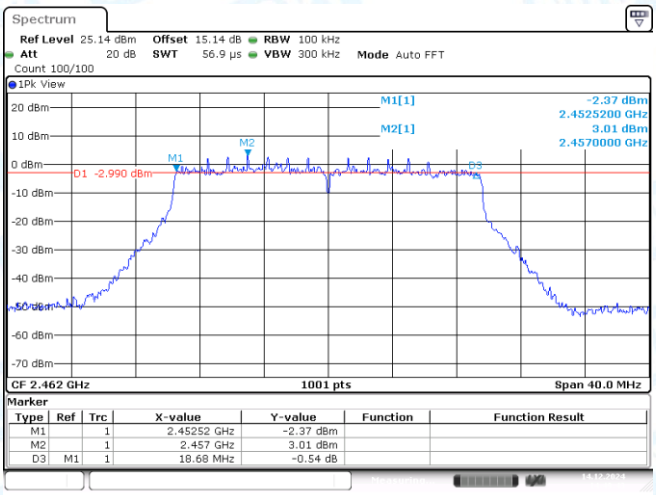
11AX20MIMO-Ant2-2412-PASS



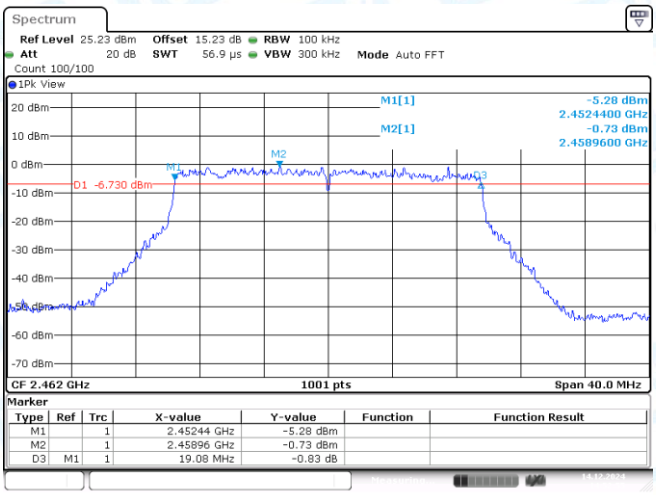
11AX20MIMO-Ant1-2437-PASS



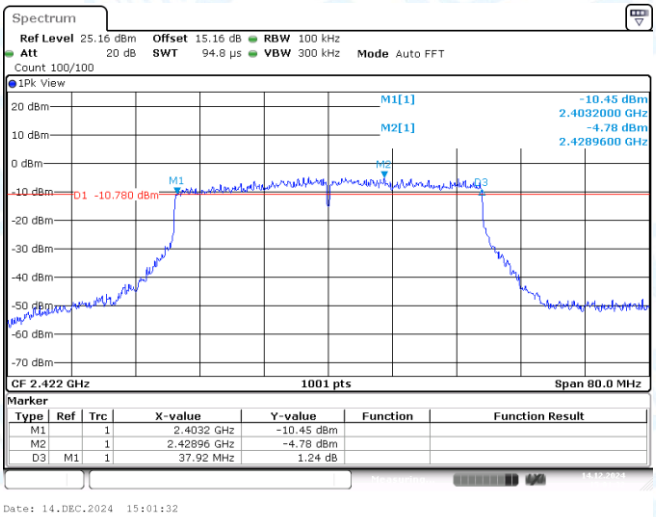
11AX20MIMO-Ant2-2437-PASS



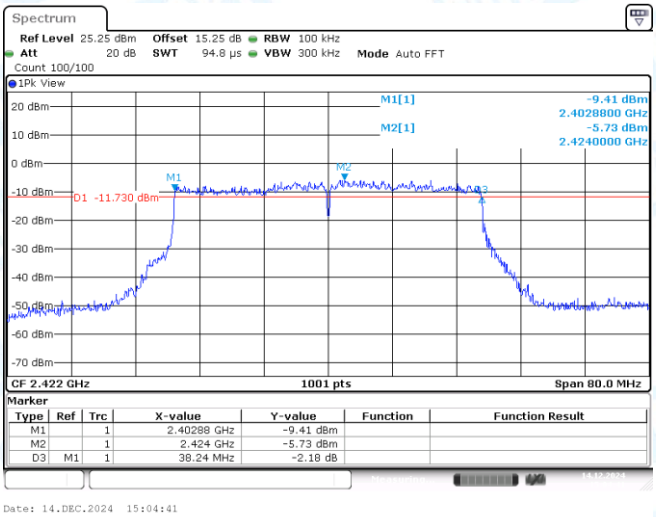
11AX20MIMO-Ant1-2462-PASS



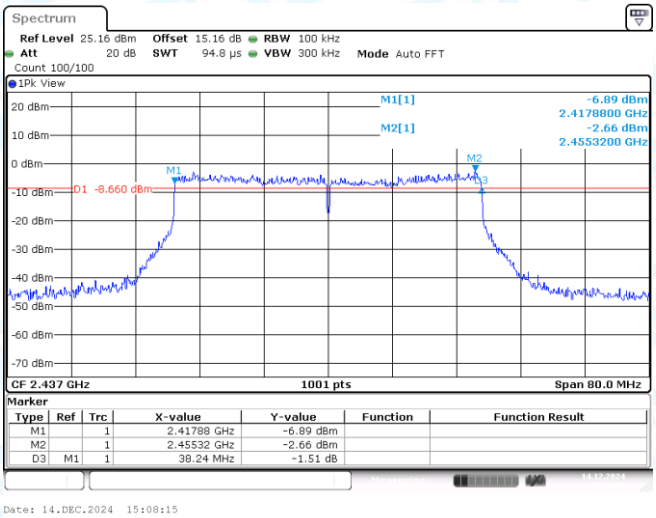
11AX20MIMO-Ant2-2462-PASS



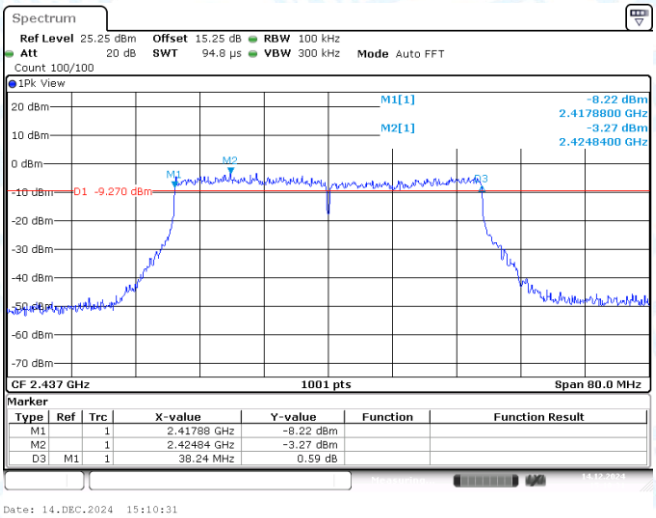
11AX40MIMO-Ant1-2422-PASS



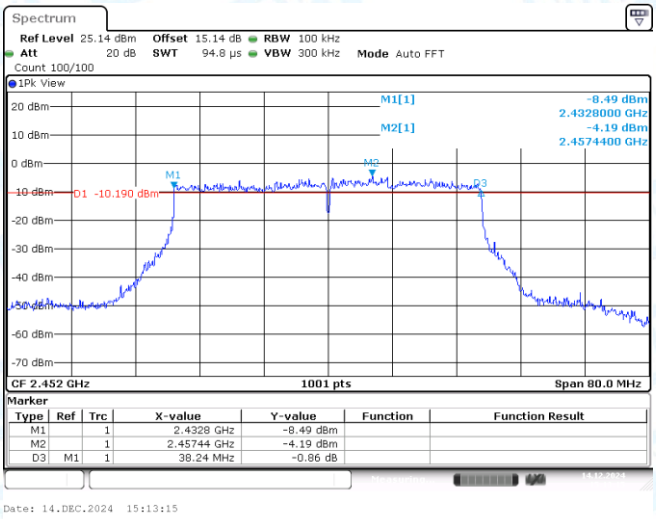
11AX40MIMO-Ant2-2422-PASS



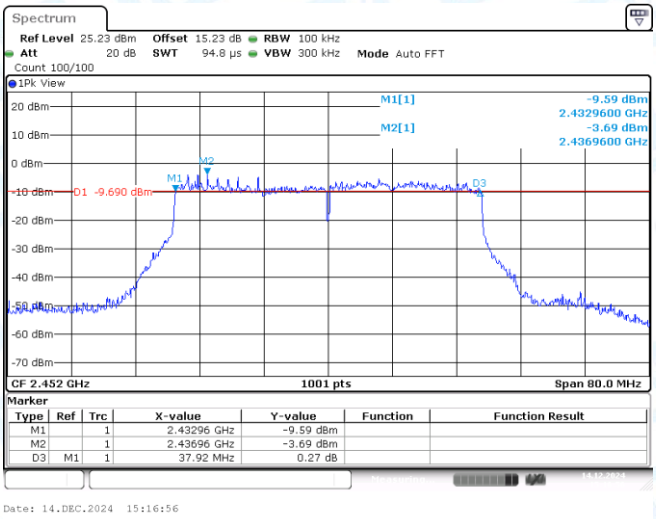
11AX40MIMO-Ant1-2437-PASS



11AX40MIMO-Ant2-2437-PASS



11AX40MIMO-Ant1-2452-PASS



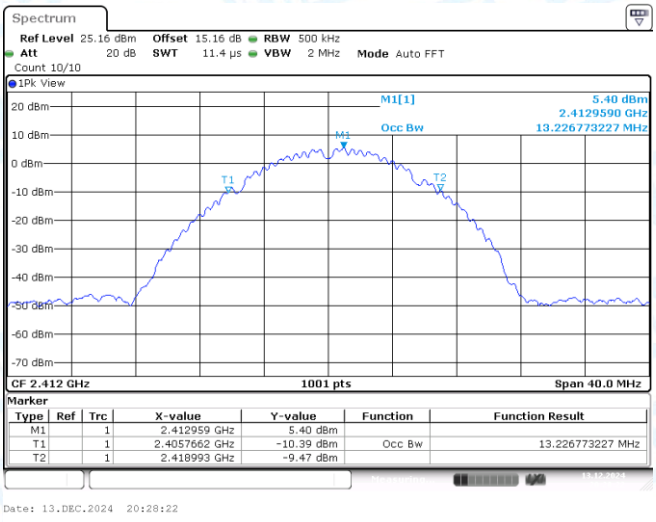
11AX40MIMO-Ant2-2452-PASS

2: Occupied Channel Bandwidth

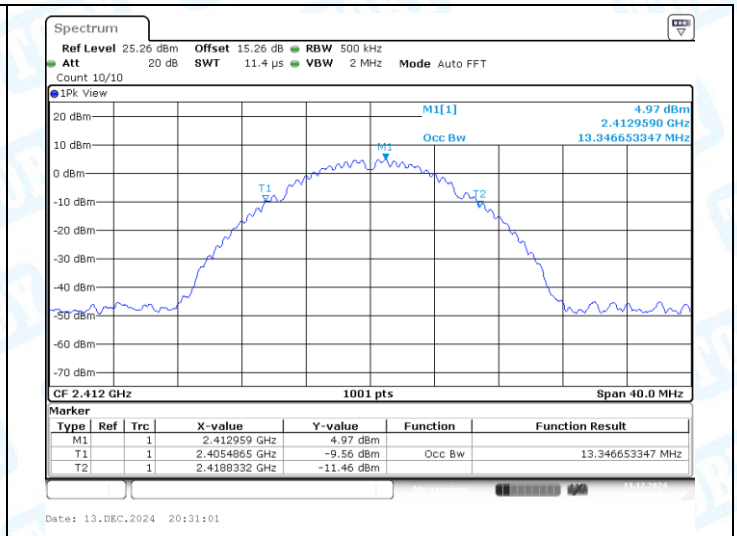
2.1 Test Result

TestMode	Ant.	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	13.227	2405.7662	2418.9930	---	---
11B-CDD	Ant2	2412	13.347	2405.4865	2418.8332	---	---
11B-CDD	Ant1	2437	13.267	2430.2867	2443.5534	---	---
11B-CDD	Ant2	2437	13.227	2430.2468	2443.4735	---	---
11B-CDD	Ant1	2462	12.947	2455.4066	2468.3536	---	---
11B-CDD	Ant2	2462	12.907	2455.4066	2468.3137	---	---
11G-CDD	Ant1	2412	17.263	2403.5285	2420.7912	---	---
11G-CDD	Ant2	2412	17.263	2403.3287	2420.5914	---	---
11G-CDD	Ant1	2437	17.822	2428.0090	2445.8312	---	---
11G-CDD	Ant2	2437	17.502	2428.1289	2445.6314	---	---
11G-CDD	Ant1	2462	17.502	2453.1289	2470.6314	---	---
11G-CDD	Ant2	2462	16.903	2453.4086	2470.3117	---	---
11N20MIMO	Ant1	2412	18.182	2403.0490	2421.2308	---	---
11N20MIMO	Ant2	2412	18.701	2402.4895	2421.1908	---	---
11N20MIMO	Ant1	2437	18.302	2427.7293	2446.0310	---	---
11N20MIMO	Ant2	2437	18.382	2427.7293	2446.1109	---	---
11N20MIMO	Ant1	2462	18.262	2452.8492	2471.1109	---	---
11N20MIMO	Ant2	2462	18.022	2452.9291	2470.9510	---	---
11N40MIMO	Ant1	2422	36.444	2403.9381	2440.3816	---	---
11N40MIMO	Ant2	2422	37.163	2403.2987	2440.4615	---	---
11N40MIMO	Ant1	2437	36.923	2418.6184	2455.5415	---	---
11N40MIMO	Ant2	2437	36.843	2418.5385	2455.3816	---	---
11N40MIMO	Ant1	2452	36.763	2433.6184	2470.3816	---	---
11N40MIMO	Ant2	2452	36.763	2433.5385	2470.3017	---	---
11AX20MIMO	Ant1	2412	19.261	2402.4096	2421.6703	---	---
11AX20MIMO	Ant2	2412	19.5	2402.2098	2421.7103	---	---
11AX20MIMO	Ant1	2437	19.221	2427.3696	2446.5904	---	---
11AX20MIMO	Ant2	2437	19.421	2427.1698	2446.5904	---	---
11AX20MIMO	Ant1	2462	19.261	2452.3696	2471.6304	---	---
11AX20MIMO	Ant2	2462	19.341	2452.3297	2471.6703	---	---
11AX40MIMO	Ant1	2422	38.122	2402.9790	2441.1009	---	---
11AX40MIMO	Ant2	2422	38.042	2402.9790	2441.0210	---	---
11AX40MIMO	Ant1	2437	38.601	2417.6593	2456.2607	---	---
11AX40MIMO	Ant2	2437	38.442	2417.8192	2456.2607	---	---
11AX40MIMO	Ant1	2452	38.042	2432.9790	2471.0210	---	---
11AX40MIMO	Ant2	2452	38.521	2432.6593	2471.1808	---	---

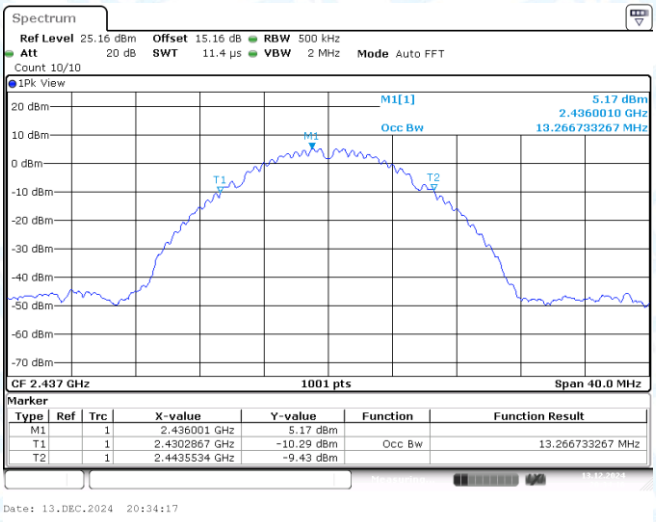
2.2 Test Graphs



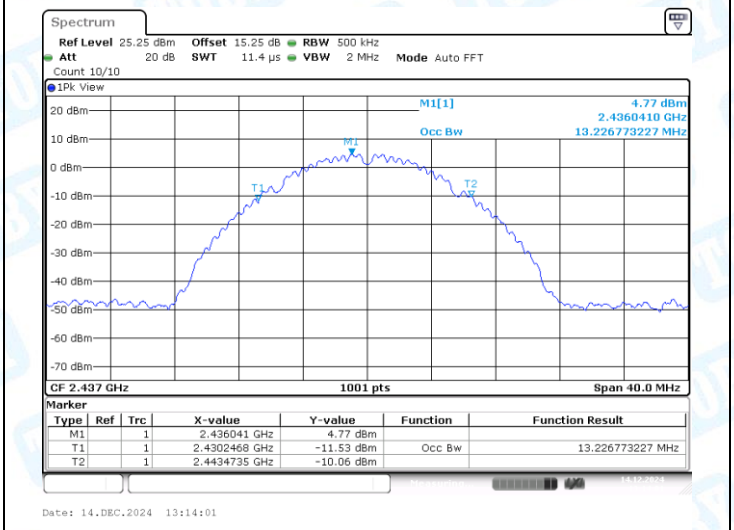
11B-CDD-Ant1-2412



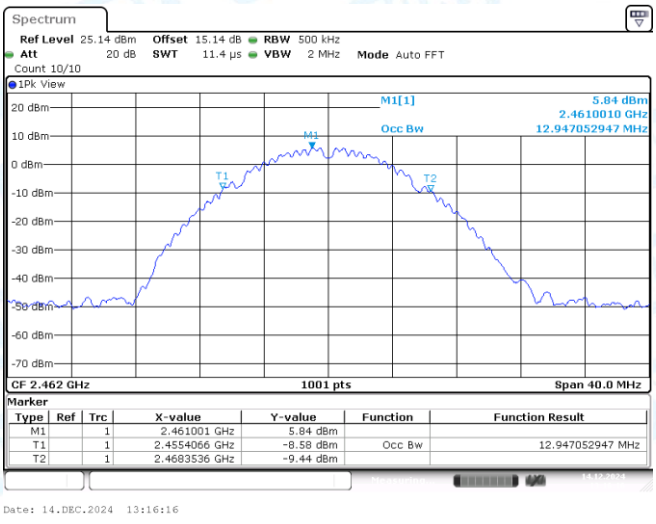
11B-CDD-Ant2-2412



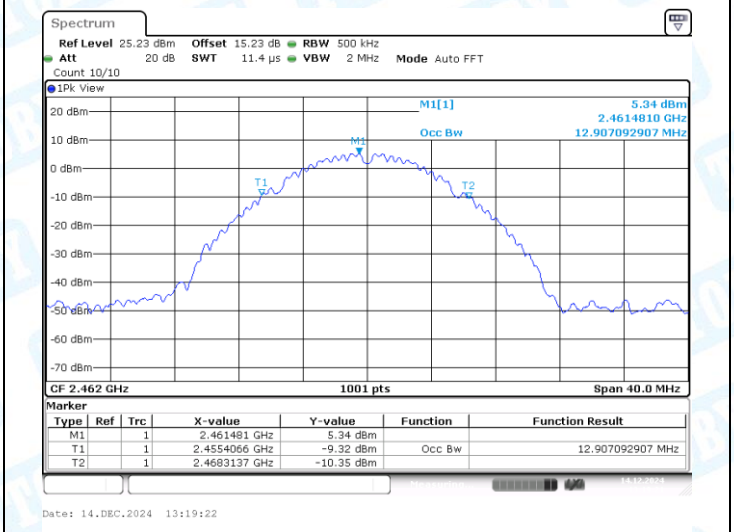
11B-CDD-Ant1-2437



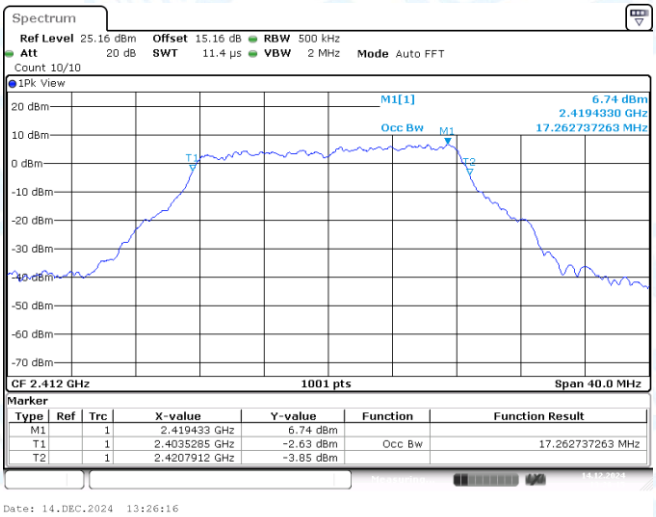
11B-CDD-Ant2-2437



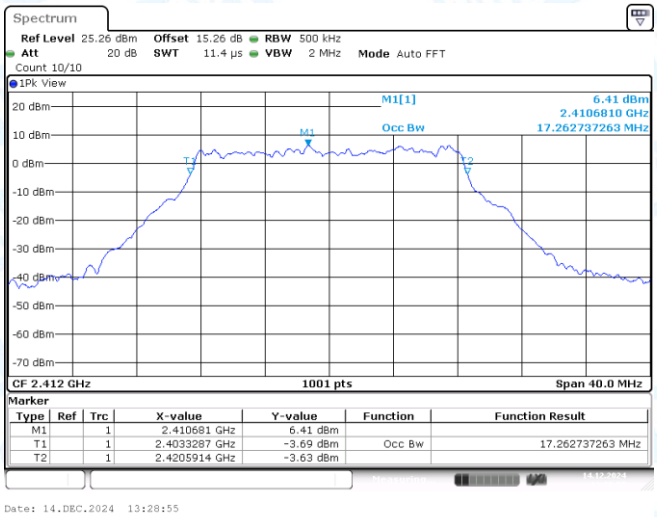
11B-CDD-Ant1-2462



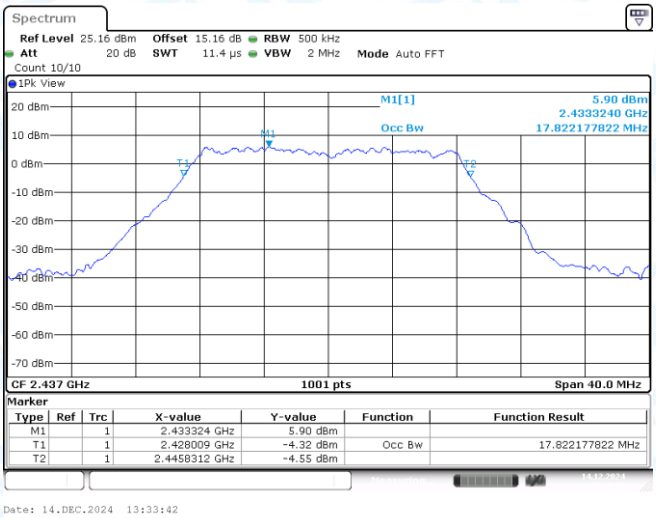
11B-CDD-Ant2-2462



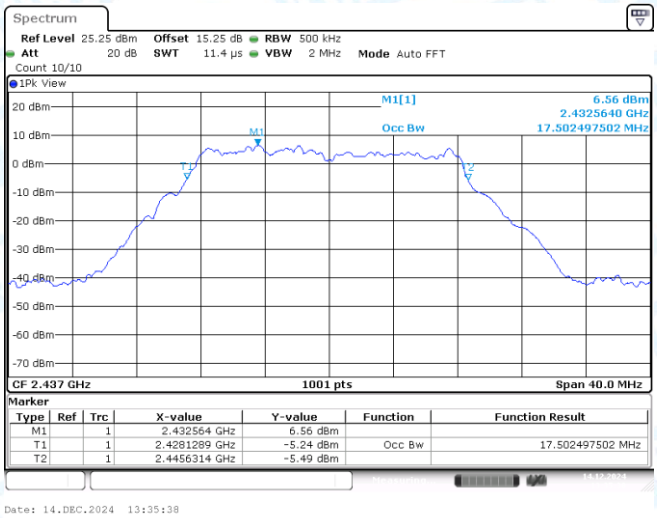
11G-CDD-Ant1-2412



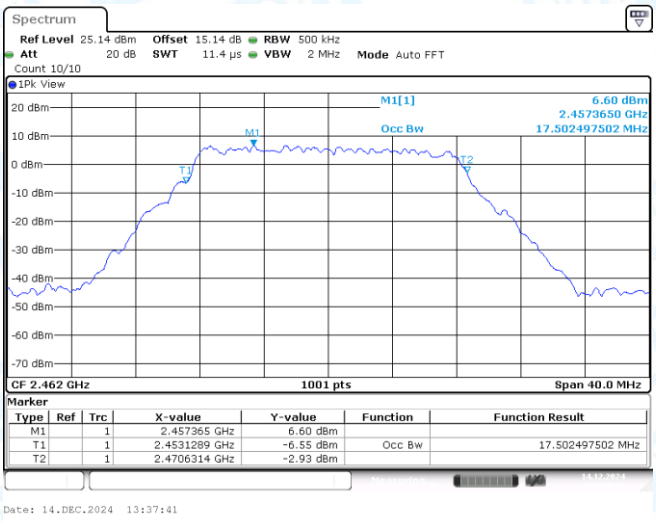
11G-CDD-Ant2-2412



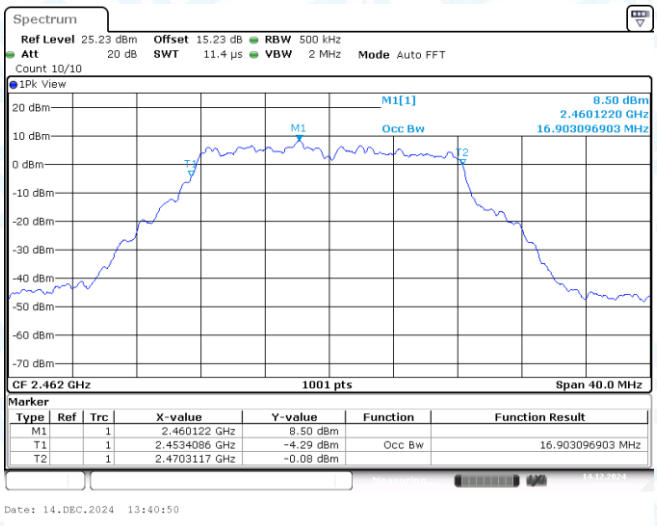
11G-CDD-Ant1-2437



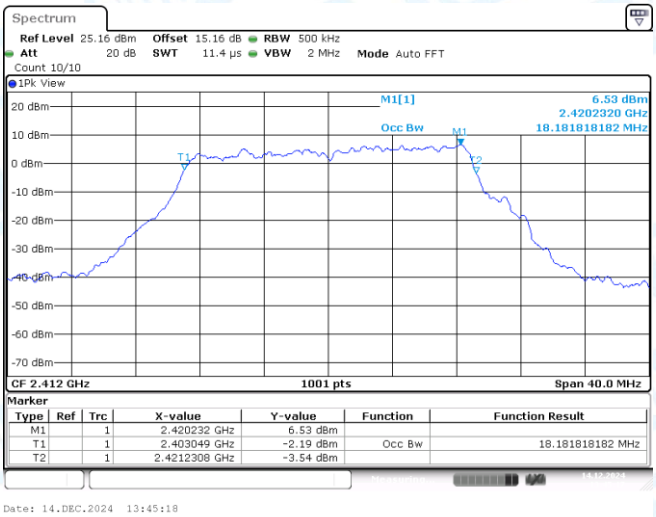
11G-CDD-Ant2-2437



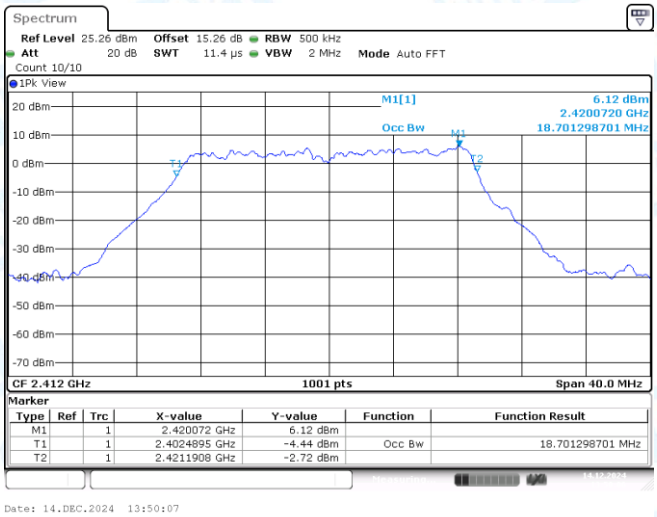
11G-CDD-Ant1-2462



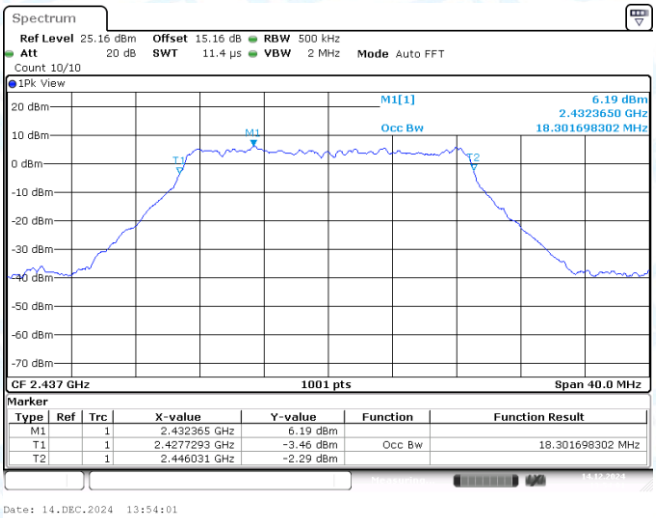
11G-CDD-Ant2-2462



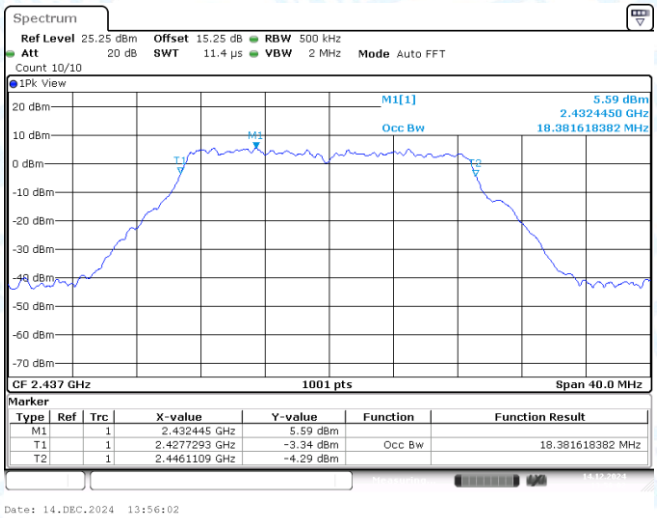
11N20MIMO-Ant1-2412



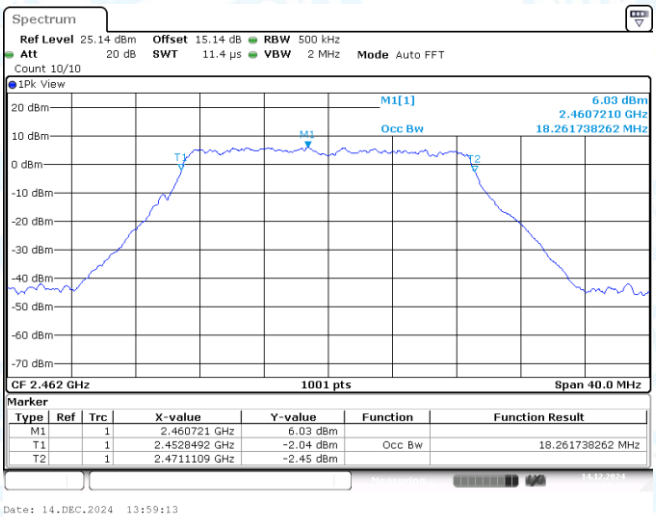
11N20MIMO-Ant2-2412



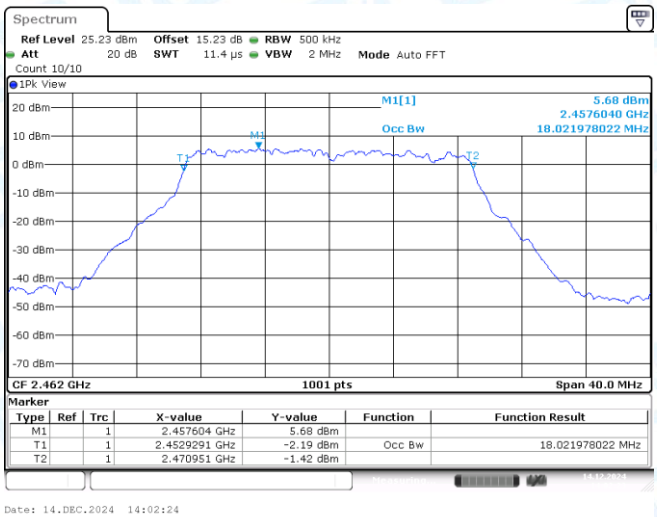
11N20MIMO-Ant1-2437



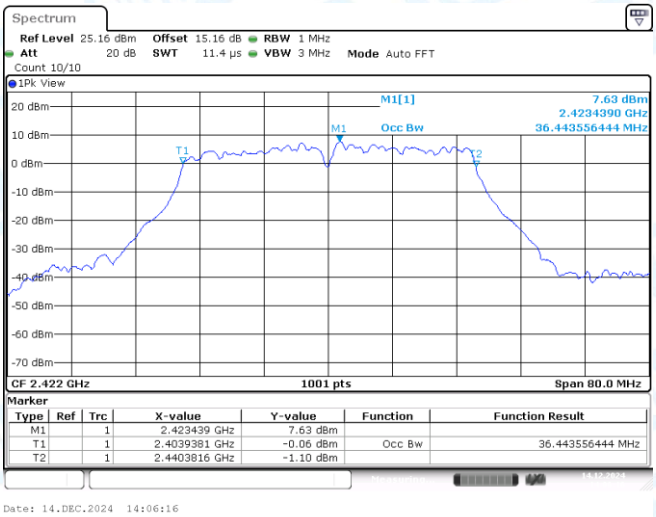
11N20MIMO-Ant2-2437



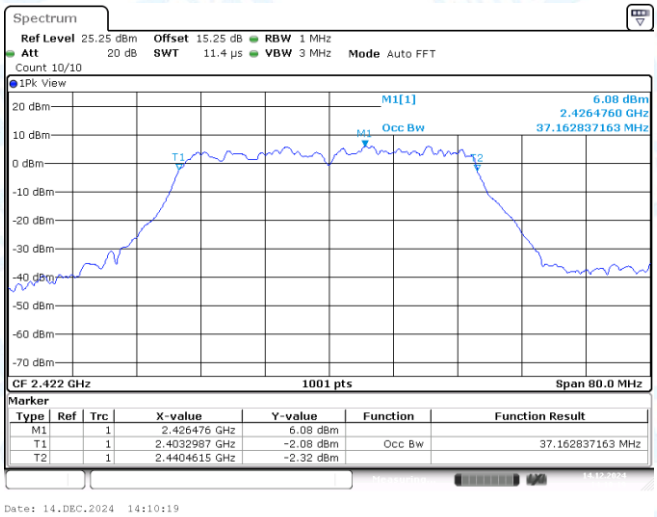
11N20MIMO-Ant1-2462



11N20MIMO-Ant2-2462



11N40MIMO-Ant1-2422



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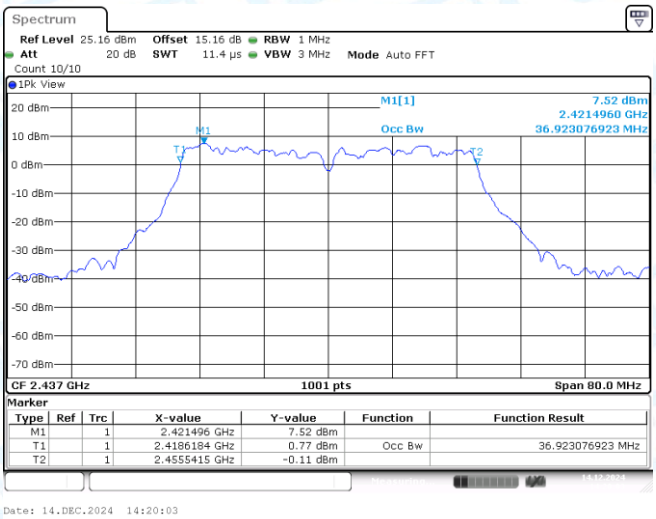
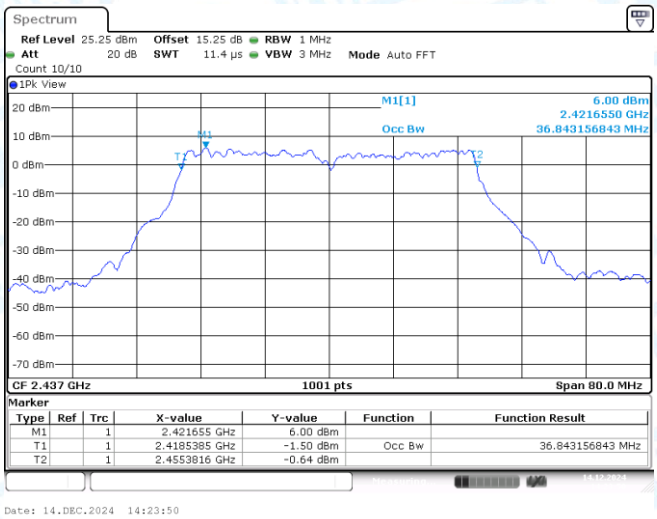


11N40MIMO-Ant1-2437



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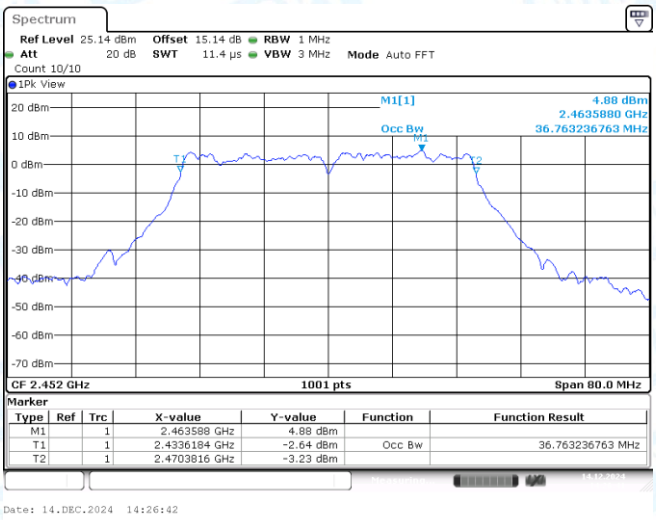
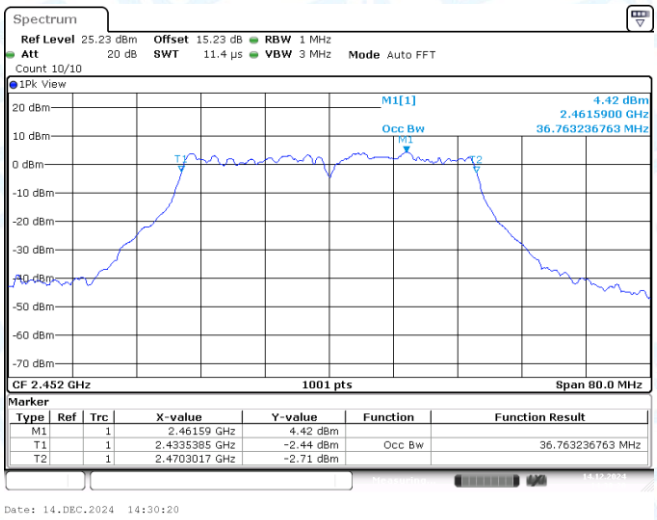
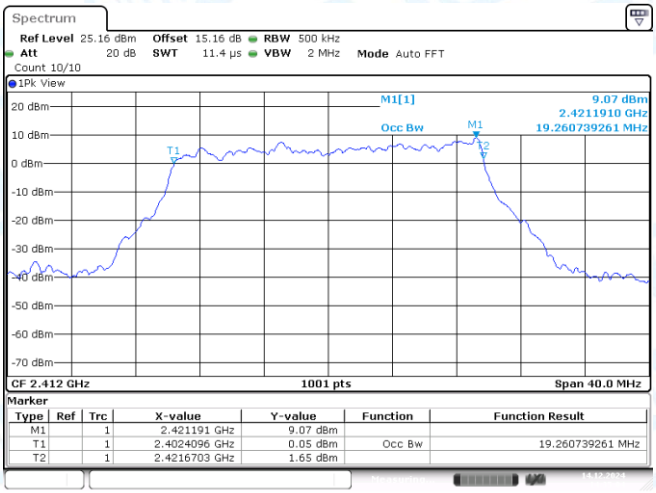


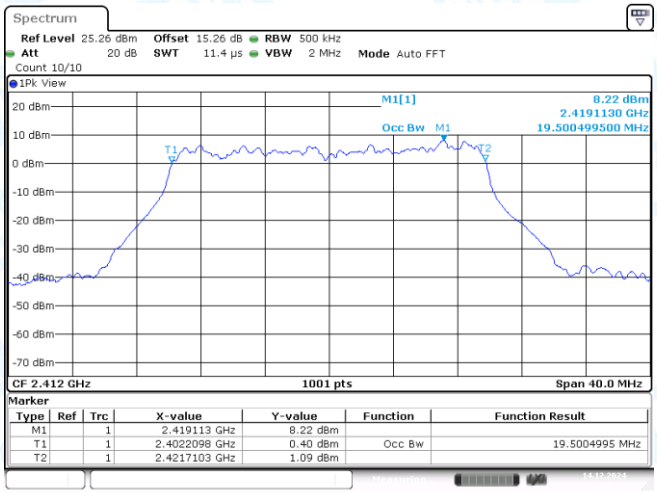
11N40MIMO-Ant1-2452



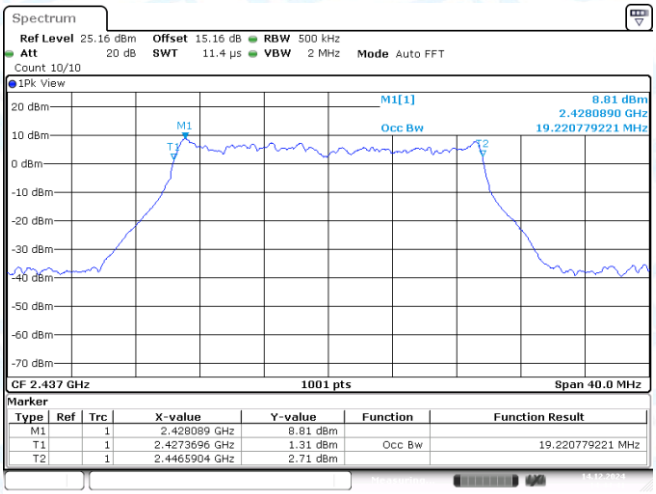
11N40MIMO-Ant2-2452



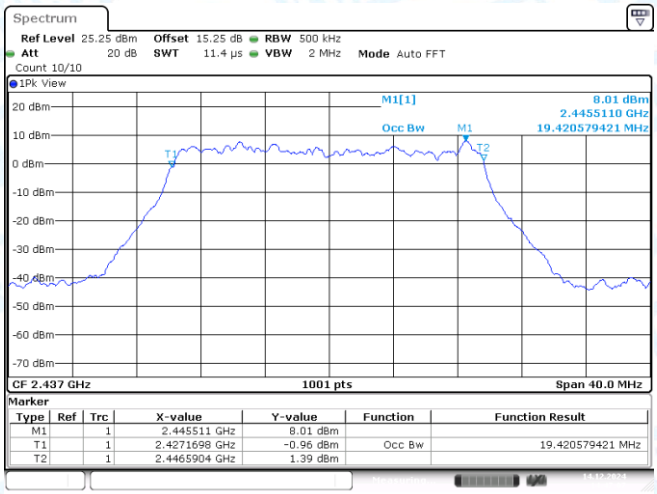
11AX20MIMO-Ant1-2412



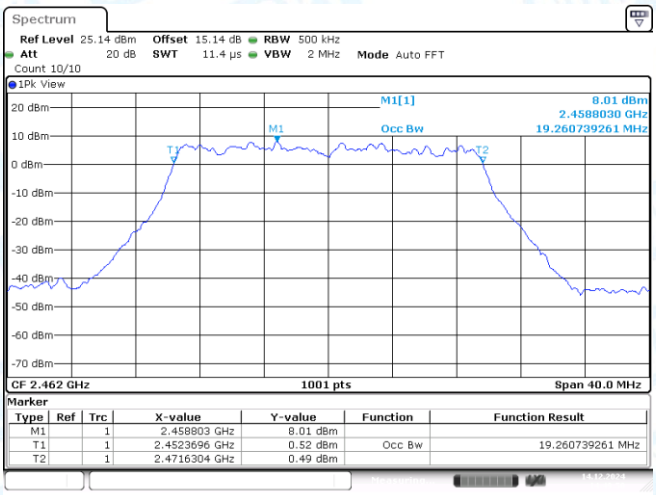
11AX20MIMO-Ant2-2412



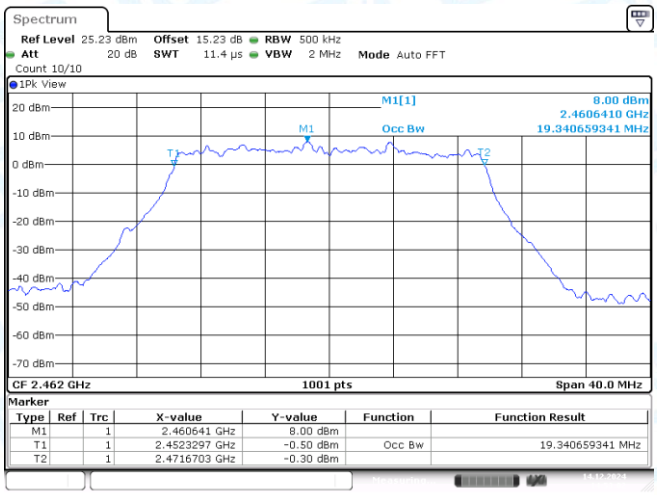
11AX20MIMO-Ant1-2437



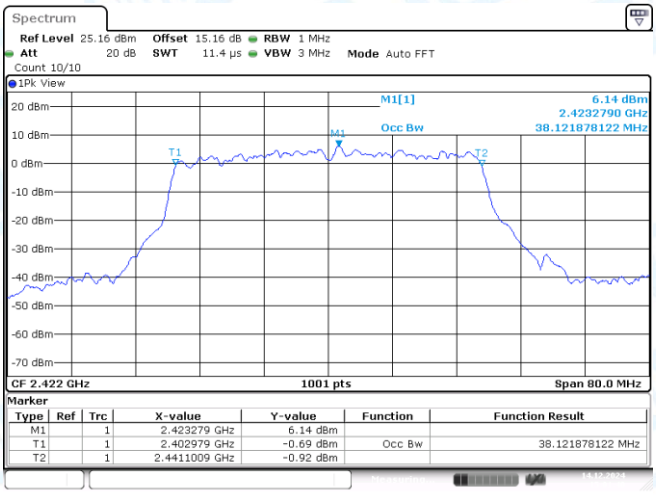
11AX20MIMO-Ant2-2437



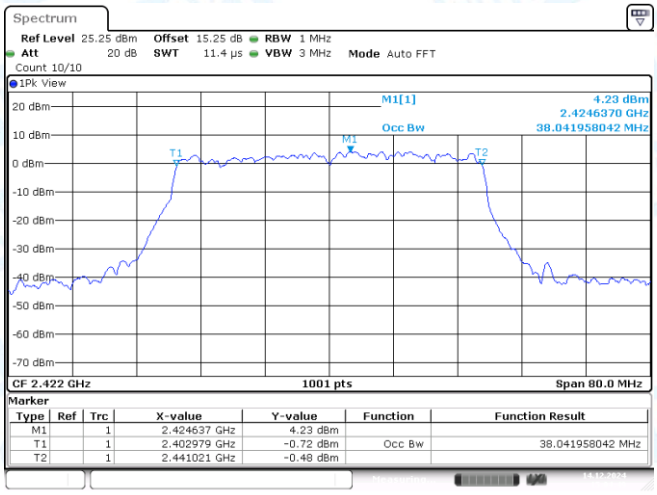
11AX20MIMO-Ant1-2462



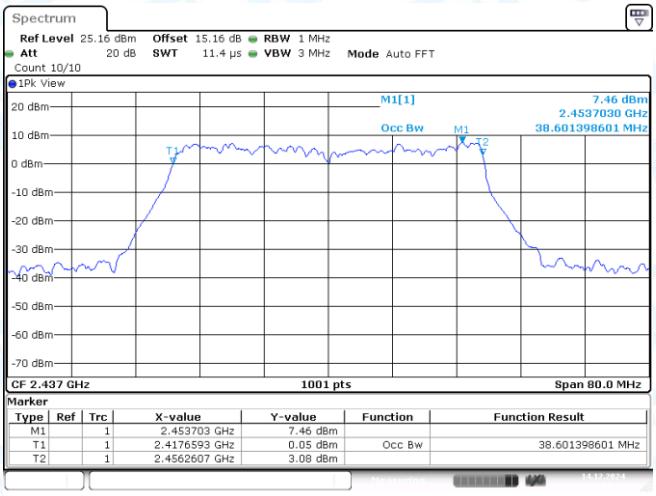
11AX20MIMO-Ant2-2462



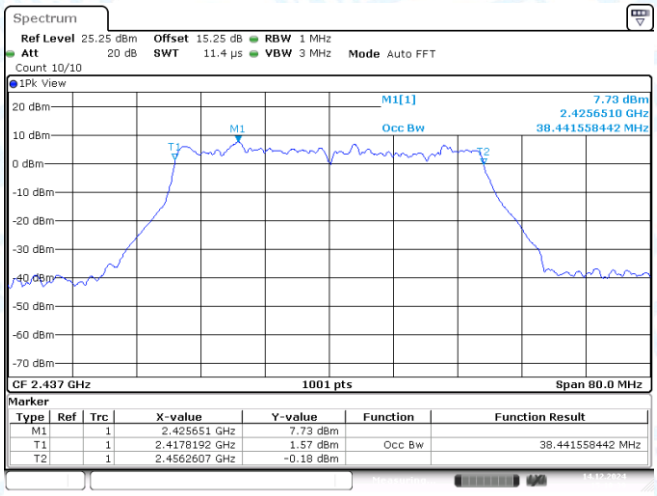
11AX40MIMO-Ant1-2422



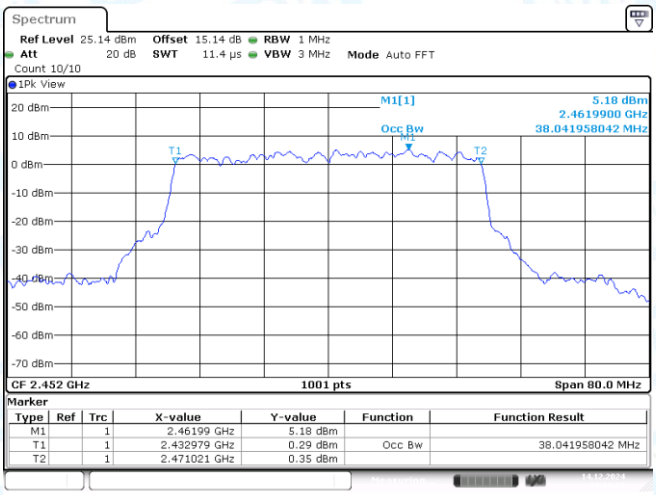
11AX40MIMO-Ant2-2422



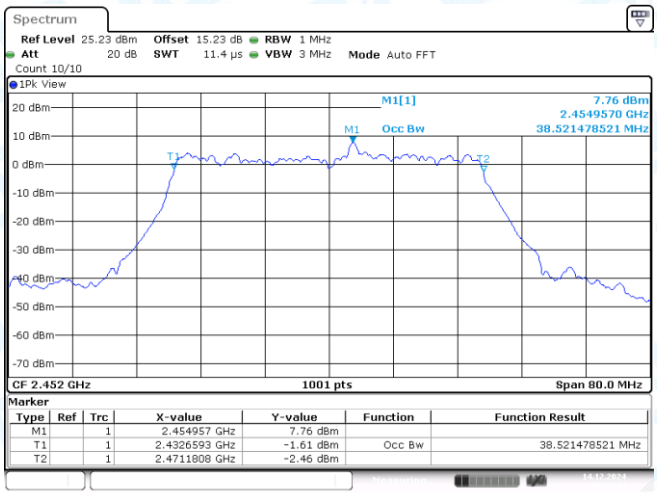
11AX40MIMO-Ant1-2437



11AX40MIMO-Ant2-2437



11AX40MIMO-Ant1-2452



11AX40MIMO-Ant2-2452

3: Maximum conducted output power

3.1 Test Result Average

Test Mode	Ant.	Frequency [MHz]	Result [dBm]	Limit [dBm]	Verdict
11B-CDD	Ant1	2412	12.66	≤30.00	PASS
11B-CDD	Ant2	2412	12.34	≤30.00	PASS
11B-CDD	total	2412	15.51	≤30.00	PASS
11B-CDD	Ant1	2437	12.68	≤30.00	PASS
11B-CDD	Ant2	2437	12.03	≤30.00	PASS
11B-CDD	total	2437	15.38	≤30.00	PASS
11B-CDD	Ant1	2462	13.10	≤30.00	PASS
11B-CDD	Ant2	2462	12.57	≤30.00	PASS
11B-CDD	total	2462	15.85	≤30.00	PASS
11G-CDD	Ant1	2412	13.17	≤30.00	PASS
11G-CDD	Ant2	2412	12.41	≤30.00	PASS
11G-CDD	total	2412	15.82	≤30.00	PASS
11G-CDD	Ant1	2437	13.04	≤30.00	PASS
11G-CDD	Ant2	2437	12.57	≤30.00	PASS
11G-CDD	total	2437	15.82	≤30.00	PASS
11G-CDD	Ant1	2462	13.33	≤30.00	PASS
11G-CDD	Ant2	2462	12.87	≤30.00	PASS
11G-CDD	total	2462	16.12	≤30.00	PASS
11N20MIMO	Ant1	2412	12.77	≤30.00	PASS
11N20MIMO	Ant2	2412	12.24	≤30.00	PASS
11N20MIMO	total	2412	15.52	≤30.00	PASS
11N20MIMO	Ant1	2437	12.71	≤30.00	PASS
11N20MIMO	Ant2	2437	12.16	≤30.00	PASS
11N20MIMO	total	2437	15.45	≤30.00	PASS
11N20MIMO	Ant1	2462	13.18	≤30.00	PASS
11N20MIMO	Ant2	2462	12.64	≤30.00	PASS
11N20MIMO	total	2462	15.93	≤30.00	PASS
11N40MIMO	Ant1	2422	10.96	≤30.00	PASS
11N40MIMO	Ant2	2422	10.36	≤30.00	PASS
11N40MIMO	total	2422	13.68	≤30.00	PASS
11N40MIMO	Ant1	2437	13.06	≤30.00	PASS
11N40MIMO	Ant2	2437	12.57	≤30.00	PASS
11N40MIMO	total	2437	15.83	≤30.00	PASS
11N40MIMO	Ant1	2452	11.59	≤30.00	PASS
11N40MIMO	Ant2	2452	10.61	≤30.00	PASS
11N40MIMO	total	2452	14.14	≤30.00	PASS
11AX20MIMO	Ant1	2412	13.39	≤30.00	PASS
11AX20MIMO	Ant2	2412	12.43	≤30.00	PASS
11AX20MIMO	total	2412	15.95	≤30.00	PASS
11AX20MIMO	Ant1	2437	12.91	≤30.00	PASS
11AX20MIMO	Ant2	2437	12.43	≤30.00	PASS

11AX20MIMO	total	2437	15.69	≤30.00	PASS
11AX20MIMO	Ant1	2462	13.26	≤30.00	PASS
11AX20MIMO	Ant2	2462	12.67	≤30.00	PASS
11AX20MIMO	total	2462	15.99	≤30.00	PASS
11AX40MIMO	Ant1	2422	10.99	≤30.00	PASS
11AX40MIMO	Ant2	2422	10.20	≤30.00	PASS
11AX40MIMO	total	2422	13.62	≤30.00	PASS
11AX40MIMO	Ant1	2437	13.00	≤30.00	PASS
11AX40MIMO	Ant2	2437	12.36	≤30.00	PASS
11AX40MIMO	total	2437	15.70	≤30.00	PASS
11AX40MIMO	Ant1	2452	10.94	≤30.00	PASS
11AX40MIMO	Ant2	2452	10.32	≤30.00	PASS
11AX40MIMO	total	2452	13.65	≤30.00	PASS

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

4: Maximum power spectral density

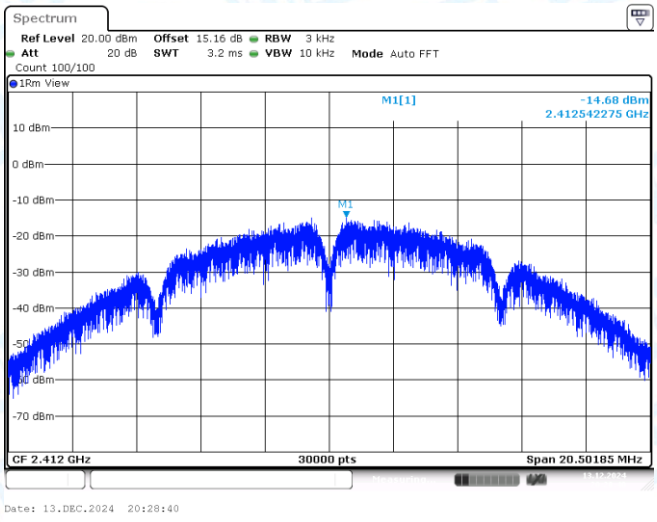
4.1 Test Result

TestMode	Ant.	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B-CDD	Ant1	2412	-14.55	≤8.00	PASS
11B-CDD	Ant2	2412	-15.25	≤8.00	PASS
11B-CDD	total	2412	-11.88	≤8.00	PASS
11B-CDD	Ant1	2437	-14.77	≤8.00	PASS
11B-CDD	Ant2	2437	-13.88	≤8.00	PASS
11B-CDD	total	2437	-11.29	≤8.00	PASS
11B-CDD	Ant1	2462	-13.73	≤8.00	PASS
11B-CDD	Ant2	2462	-13.79	≤8.00	PASS
11B-CDD	total	2462	-10.75	≤8.00	PASS
11G-CDD	Ant1	2412	-18.76	≤8.00	PASS
11G-CDD	Ant2	2412	-20.15	≤8.00	PASS
11G-CDD	total	2412	-16.39	≤8.00	PASS
11G-CDD	Ant1	2437	-20.40	≤8.00	PASS
11G-CDD	Ant2	2437	-20.62	≤8.00	PASS
11G-CDD	total	2437	-17.50	≤8.00	PASS
11G-CDD	Ant1	2462	-20.03	≤8.00	PASS
11G-CDD	Ant2	2462	-20.64	≤8.00	PASS
11G-CDD	total	2462	-17.31	≤8.00	PASS
11N20MIMO	Ant1	2412	-19.33	≤8.00	PASS
11N20MIMO	Ant2	2412	-20.54	≤8.00	PASS
11N20MIMO	total	2412	-16.88	≤8.00	PASS
11N20MIMO	Ant1	2437	-20.18	≤8.00	PASS
11N20MIMO	Ant2	2437	-20.82	≤8.00	PASS
11N20MIMO	total	2437	-17.48	≤8.00	PASS
11N20MIMO	Ant1	2462	-20.26	≤8.00	PASS
11N20MIMO	Ant2	2462	-20.83	≤8.00	PASS
11N20MIMO	total	2462	-17.53	≤8.00	PASS
11N40MIMO	Ant1	2422	-23.71	≤8.00	PASS
11N40MIMO	Ant2	2422	-24.56	≤8.00	PASS
11N40MIMO	total	2422	-21.10	≤8.00	PASS
11N40MIMO	Ant1	2437	-22.79	≤8.00	PASS
11N40MIMO	Ant2	2437	-23.62	≤8.00	PASS
11N40MIMO	total	2437	-20.17	≤8.00	PASS
11N40MIMO	Ant1	2452	-24.79	≤8.00	PASS
11N40MIMO	Ant2	2452	-25.35	≤8.00	PASS
11N40MIMO	total	2452	-22.05	≤8.00	PASS
11AX20MIMO	Ant1	2412	-19.77	≤8.00	PASS
11AX20MIMO	Ant2	2412	-21.55	≤8.00	PASS
11AX20MIMO	total	2412	-17.56	≤8.00	PASS
11AX20MIMO	Ant1	2437	-20.86	≤8.00	PASS

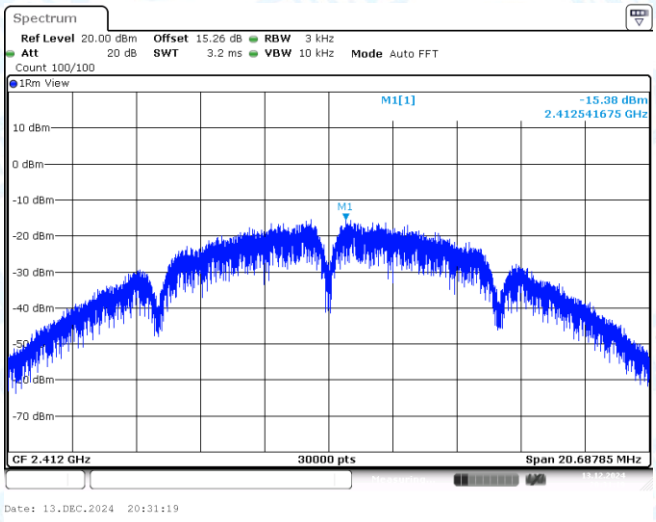
11AX20MIMO	Ant2	2437	-21.10	≤8.00	PASS
11AX20MIMO	total	2437	-17.97	≤8.00	PASS
11AX20MIMO	Ant1	2462	-20.91	≤8.00	PASS
11AX20MIMO	Ant2	2462	-21.70	≤8.00	PASS
11AX20MIMO	total	2462	-18.28	≤8.00	PASS
11AX40MIMO	Ant1	2422	-25.91	≤8.00	PASS
11AX40MIMO	Ant2	2422	-26.51	≤8.00	PASS
11AX40MIMO	total	2422	-23.19	≤8.00	PASS
11AX40MIMO	Ant1	2437	-23.00	≤8.00	PASS
11AX40MIMO	Ant2	2437	-23.84	≤8.00	PASS
11AX40MIMO	total	2437	-20.39	≤8.00	PASS
11AX40MIMO	Ant1	2452	-25.60	≤8.00	PASS
11AX40MIMO	Ant2	2452	-26.77	≤8.00	PASS
11AX40MIMO	total	2452	-23.14	≤8.00	PASS

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

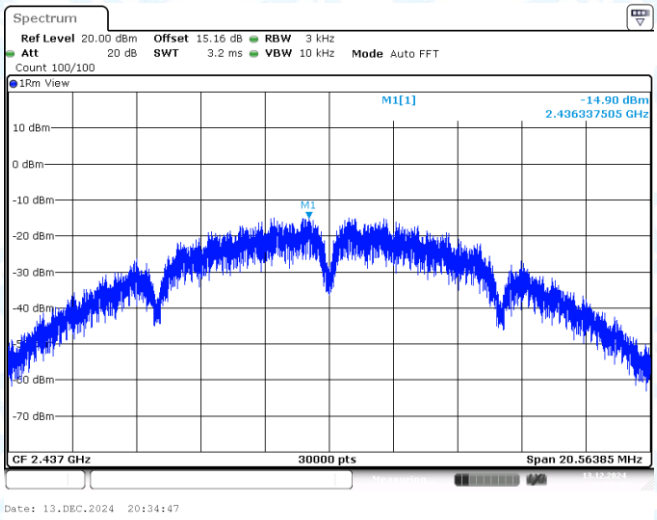
4.2 Test Graphs



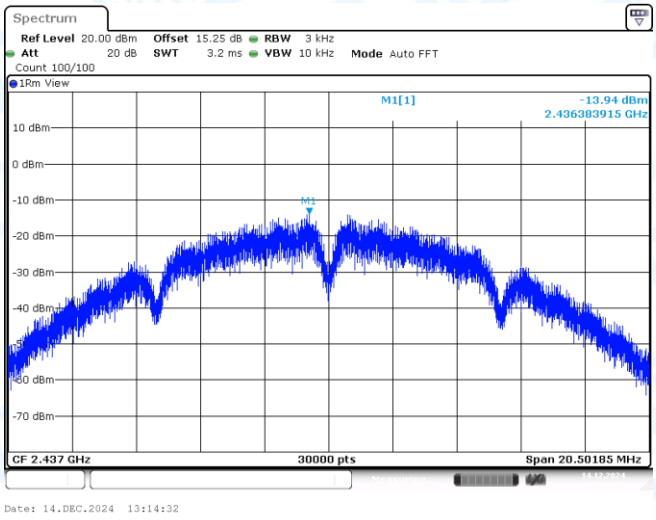
11B-CDD-Ant1-2412-PASS



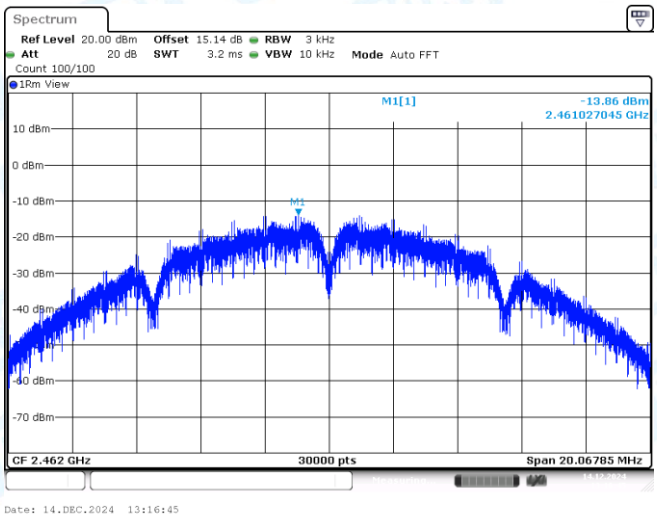
11B-CDD-Ant2-2412-PASS



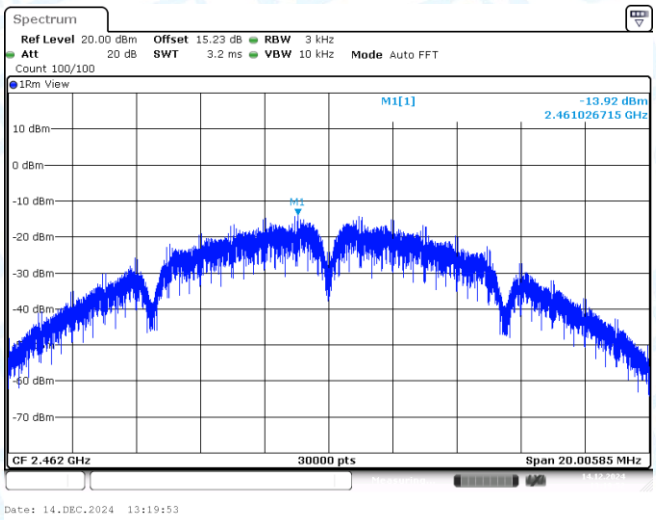
11B-CDD-Ant1-2437-PASS



11B-CDD-Ant2-2437-PASS



11B-CDD-Ant1-2462-PASS



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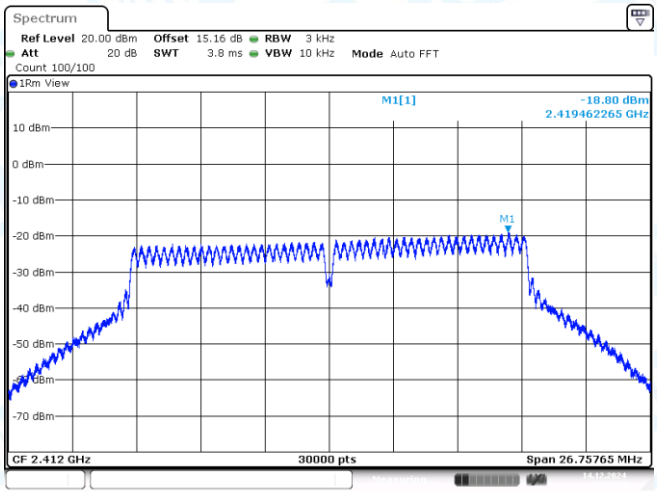
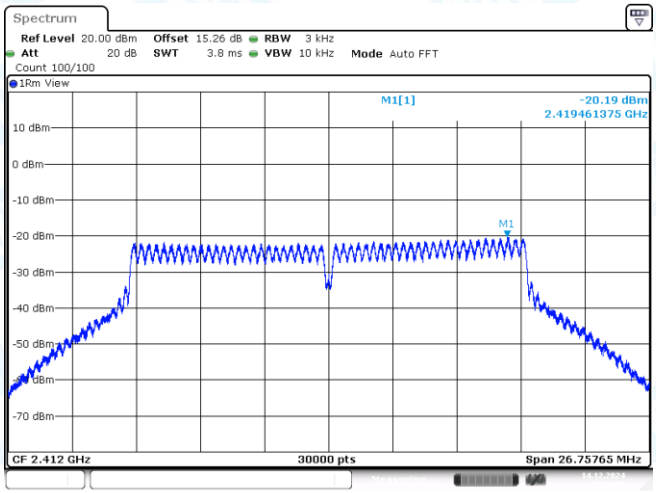


11G-CDD-Ant1-2412-PASS



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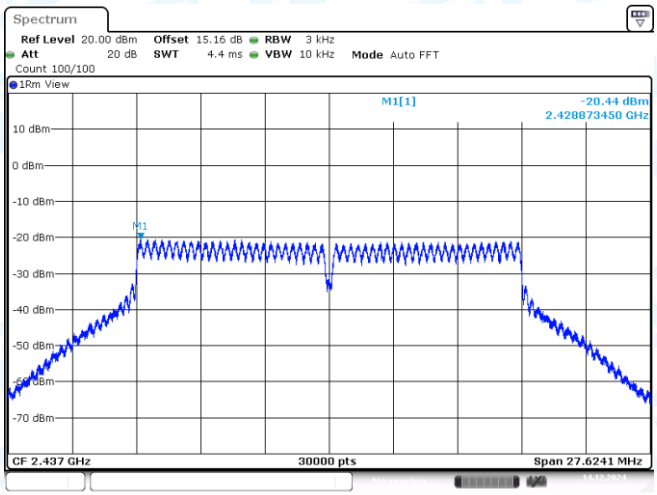

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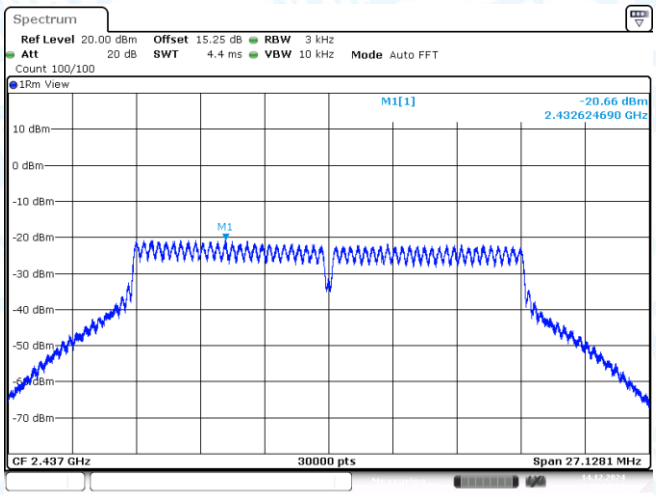

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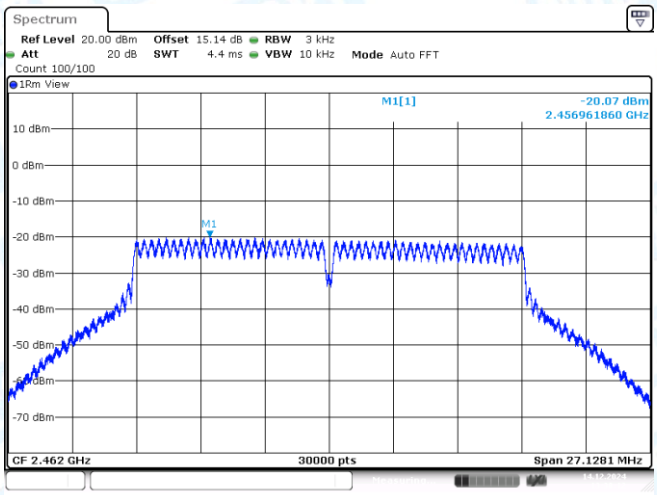

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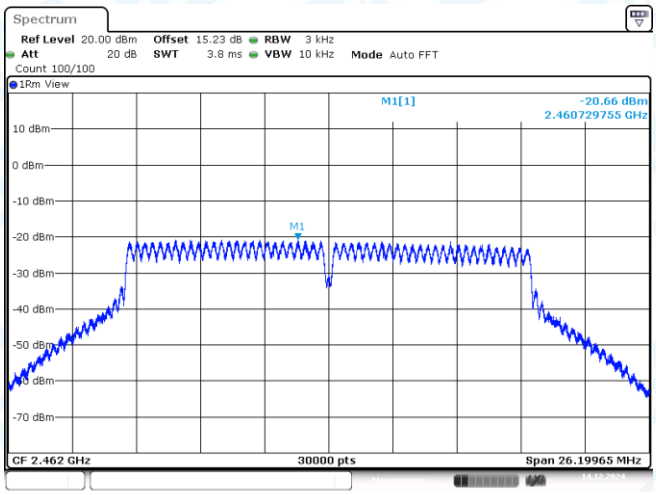

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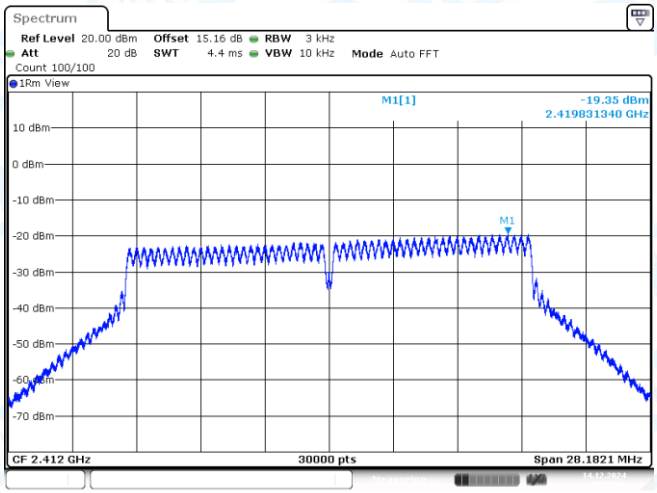
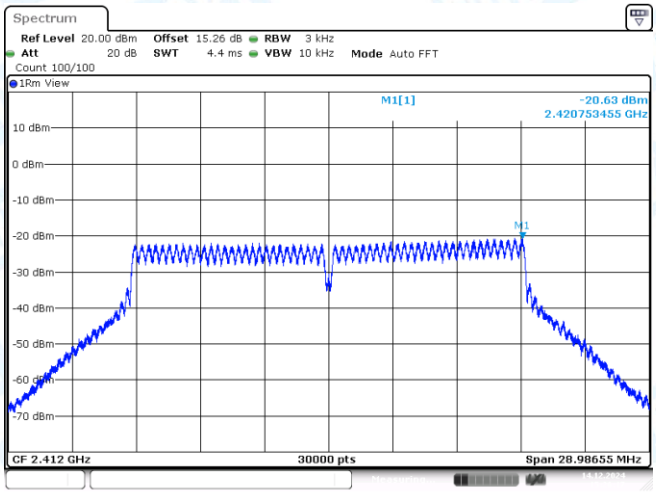


11N20MIMO-Ant1-2412-PASS



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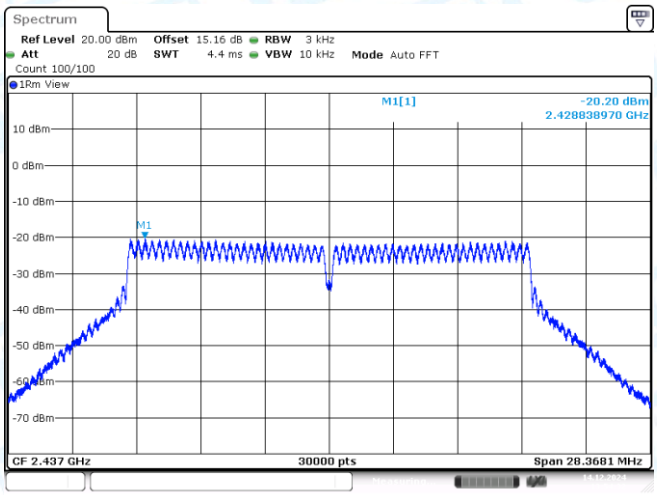
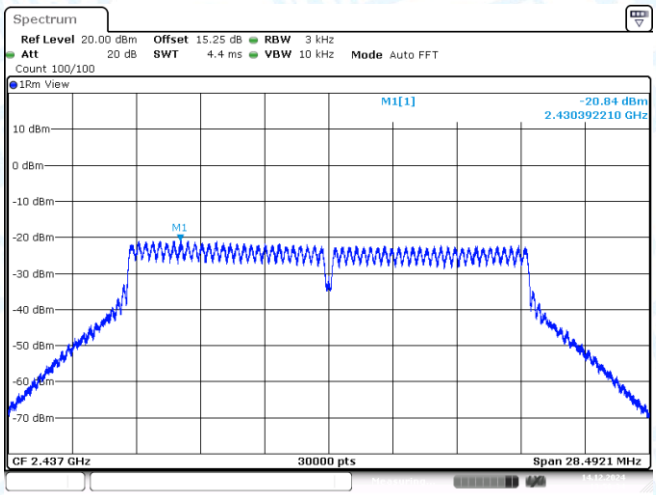


11N20MIMO-Ant1-2437-PASS



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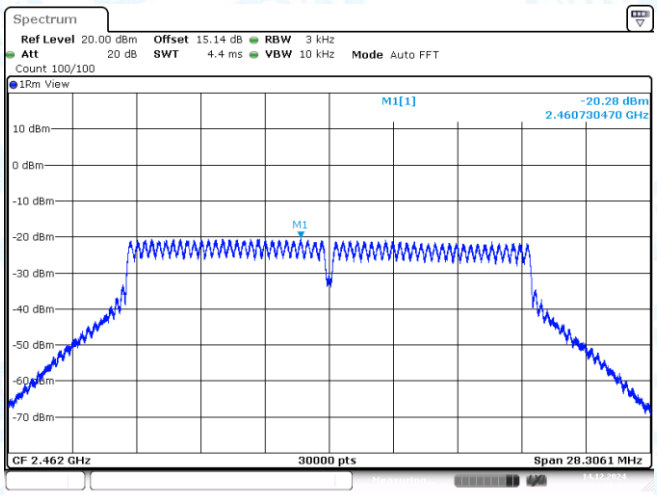

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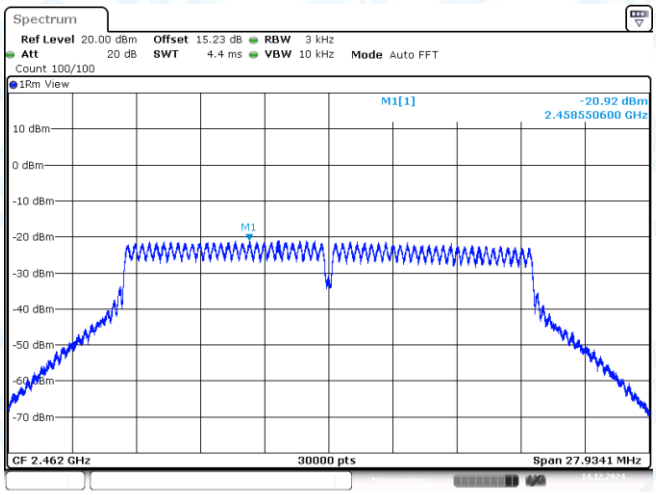

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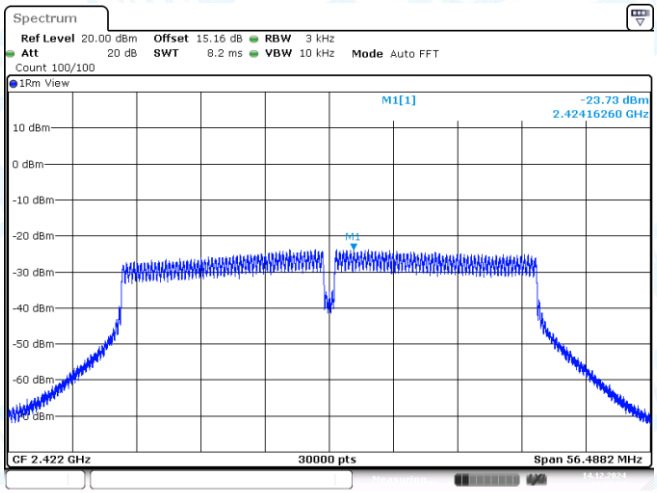
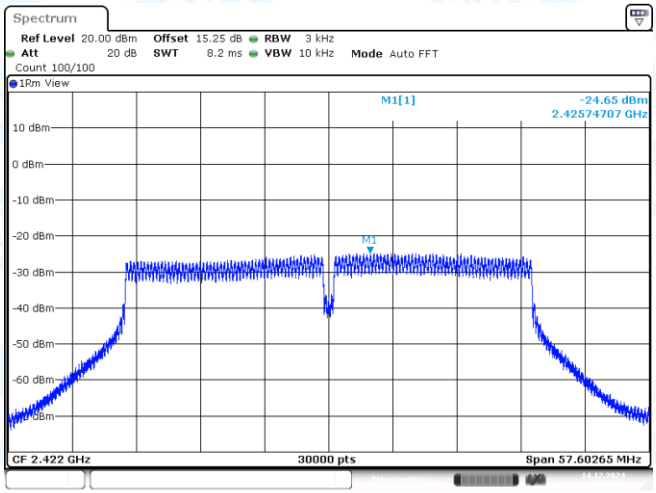


11N40MIMO-Ant1-2422-PASS



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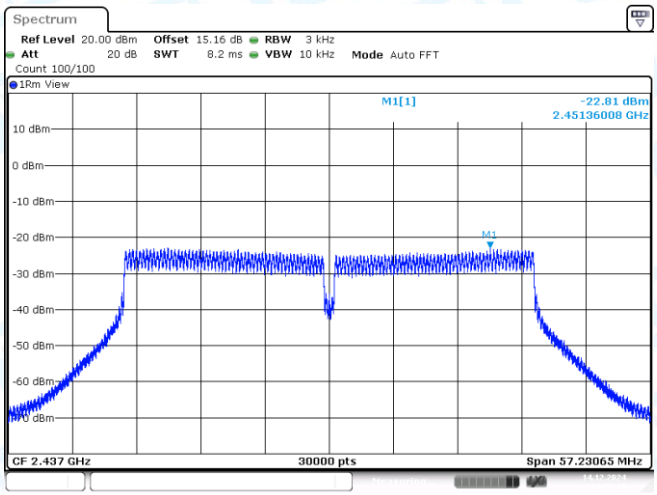
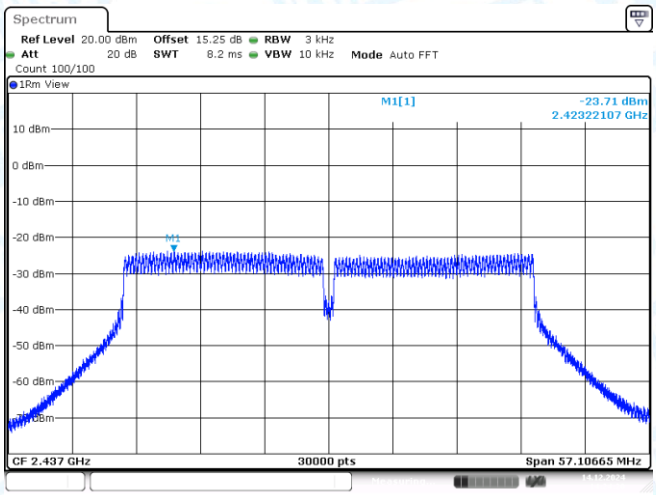


11N40MIMO-Ant1-2437-PASS



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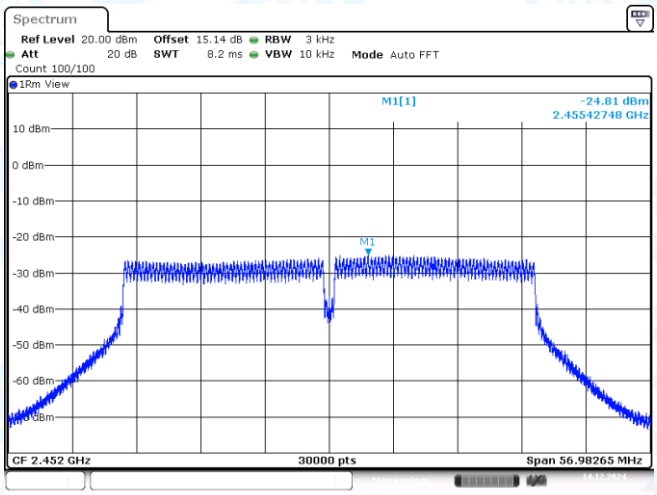
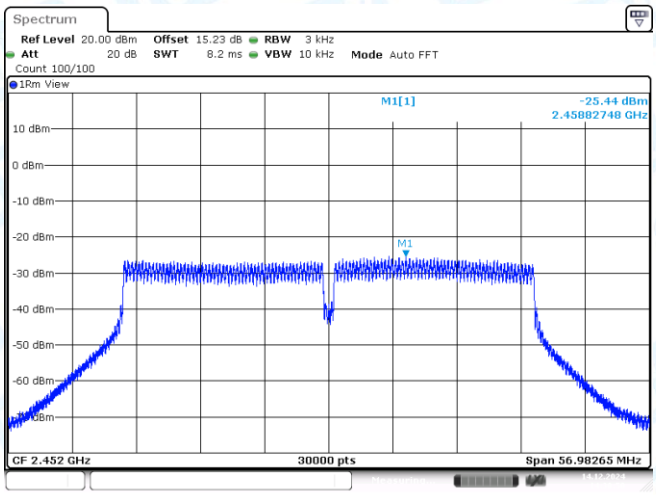


11N40MIMO-Ant1-2452-PASS



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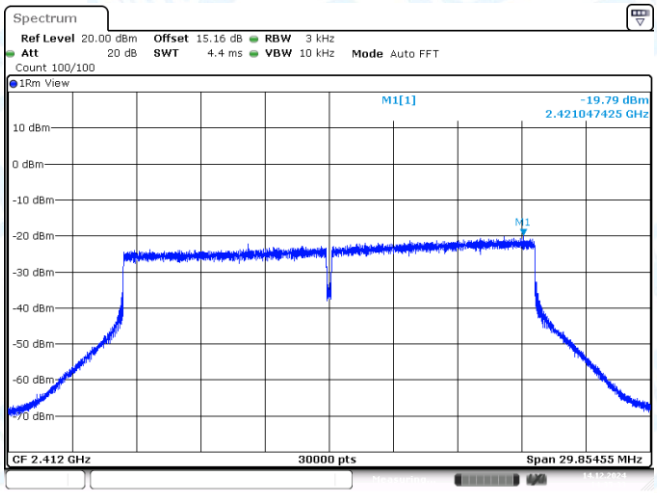
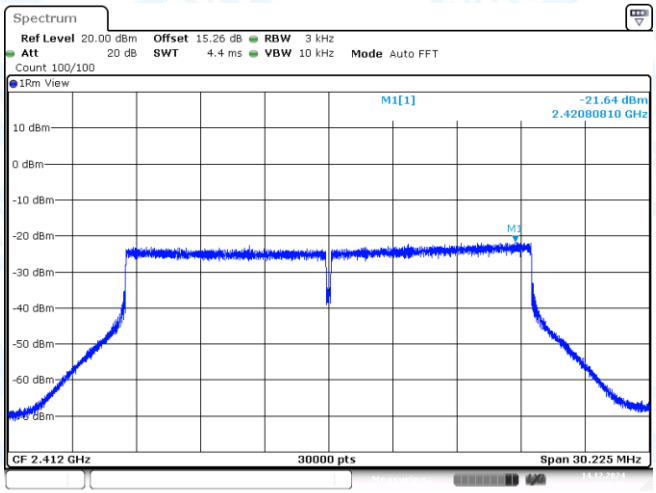


11AX20MIMO-Ant1-2412-PASS



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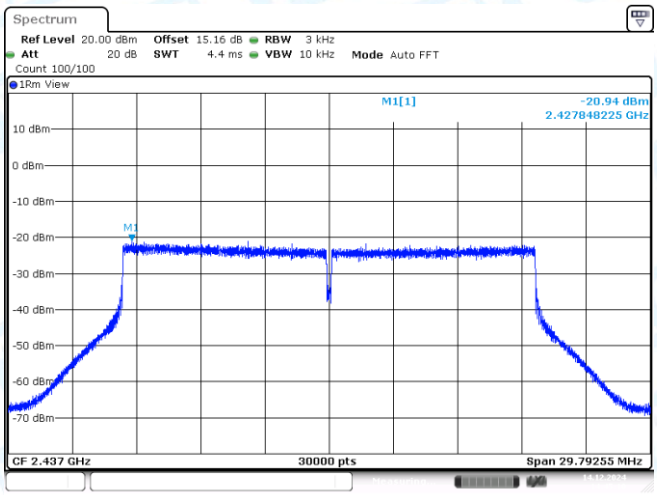

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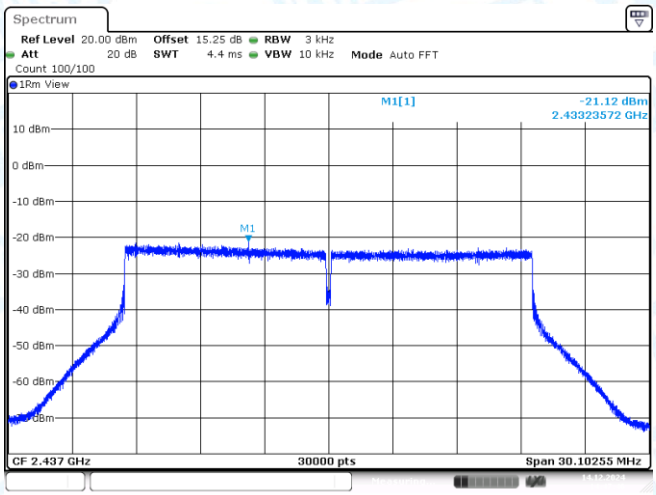

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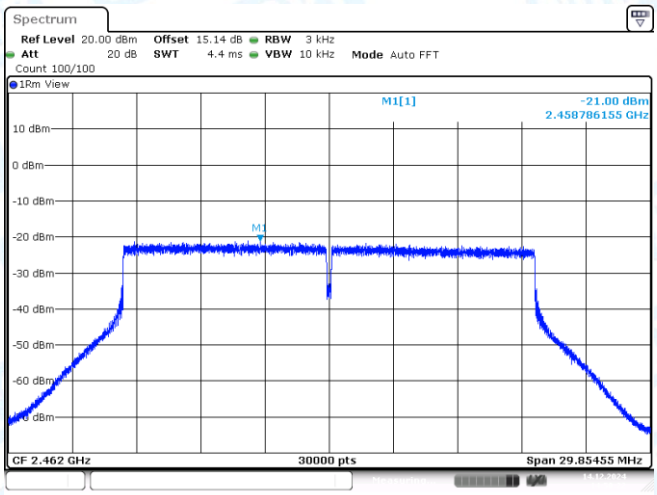

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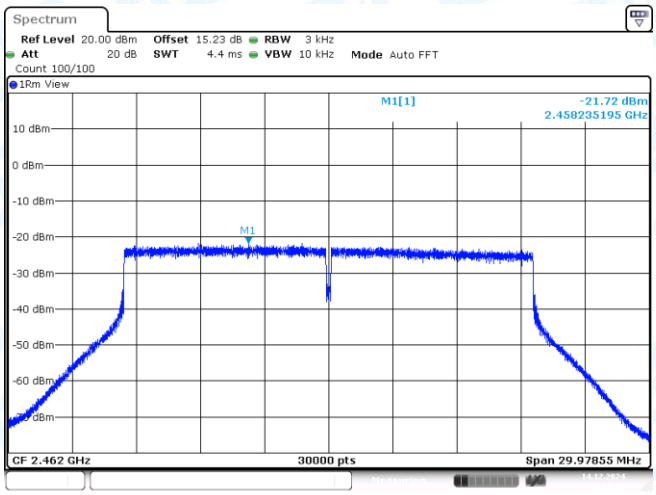

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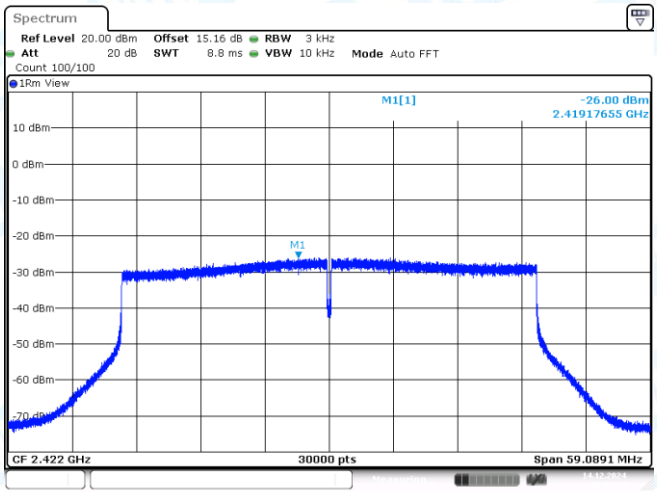
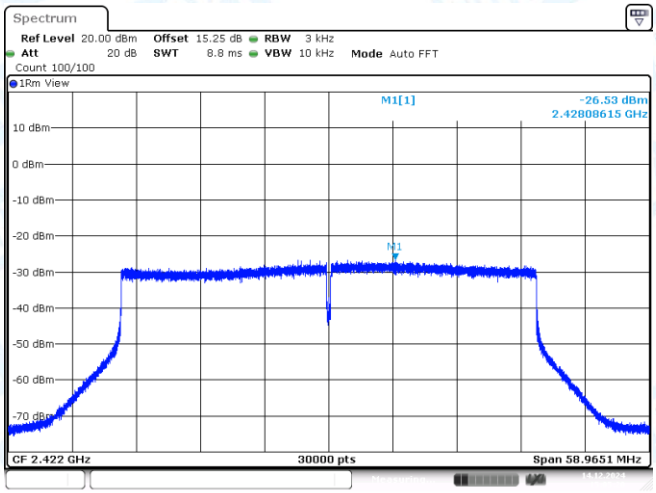


11AX40MIMO-Ant1-2422-PASS



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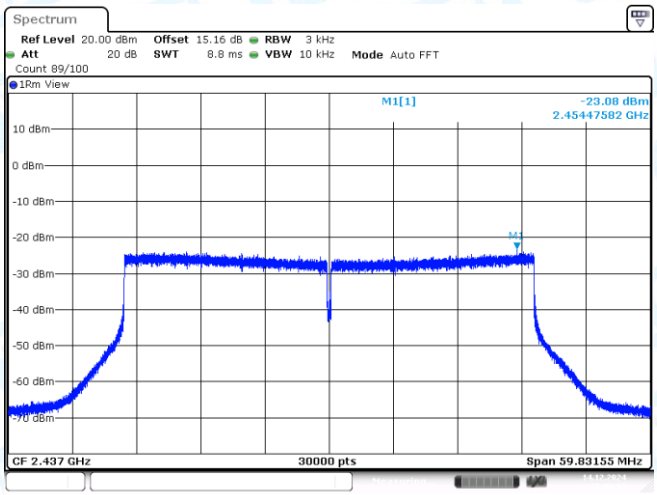

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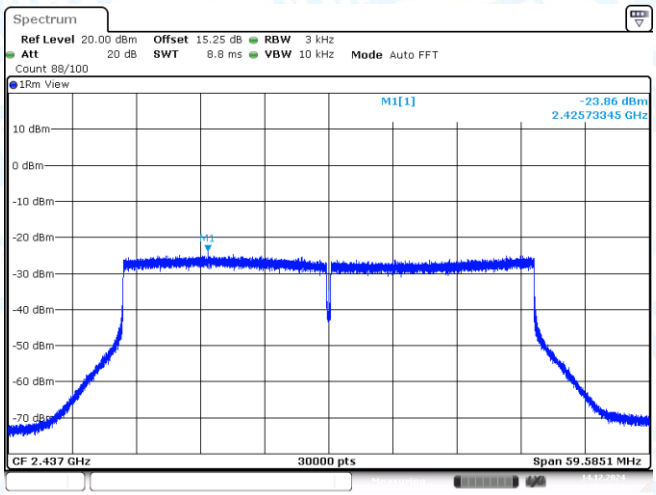

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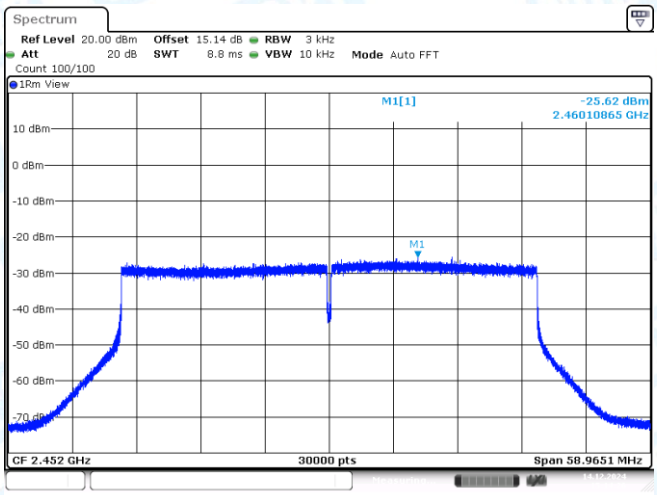

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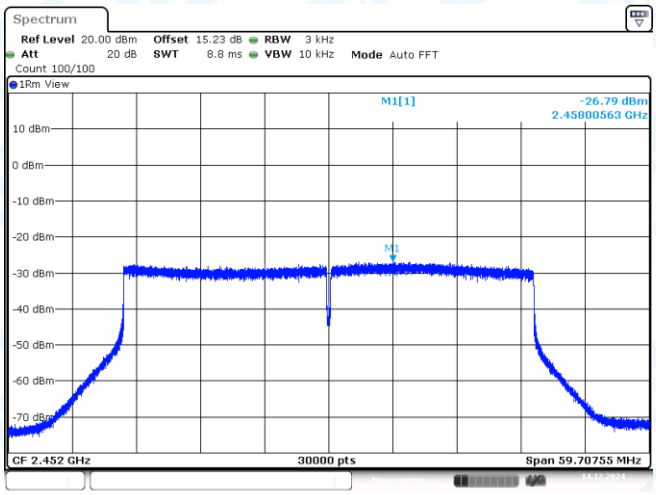

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