

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

General Description of EUT	
EUT Name:	Portable Gaming Computer(Tablet computer)
Model:	AYANEO Pocket EVO
Sample ID:	HC-C-202411-0249-01-03-2#
Test Standard:	FCC Part 15.247
Environmental Conditions	
Ambient Temperature:	24.8℃
Ambient Humidity:	48%RH
Test Power Supply:	DC 3.87V
Test Engineer:	ZKN. ZHOU
Note: For a more detailed features description, please refer to the report TBR-C-202411-0249-72	

Contents

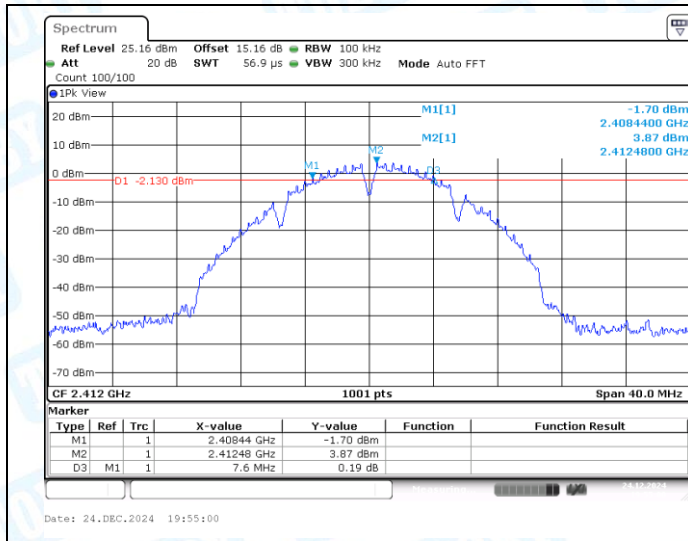
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1: DTS Bandwidth

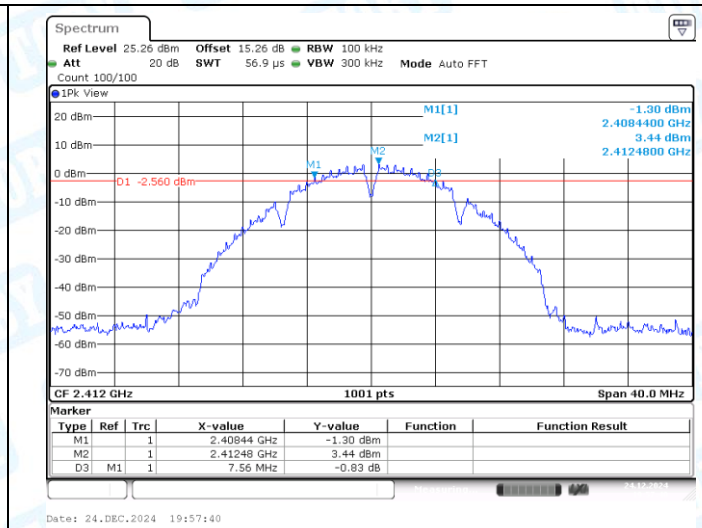
1.1 Test Result

TestMode	Ant.	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	7.60	2408.44	2416.04	0.5	PASS
11B-CDD	Ant2	2412	7.56	2408.44	2416.00	0.5	PASS
11B-CDD	Ant1	2437	7.56	2432.96	2440.52	0.5	PASS
11B-CDD	Ant2	2437	7.56	2432.96	2440.52	0.5	PASS
11B-CDD	Ant1	2462	7.56	2457.96	2465.52	0.5	PASS
11B-CDD	Ant2	2462	7.24	2458.28	2465.52	0.5	PASS
11G-CDD	Ant1	2412	15.72	2404.44	2420.16	0.5	PASS
11G-CDD	Ant2	2412	16.32	2403.84	2420.16	0.5	PASS
11G-CDD	Ant1	2437	16.36	2428.80	2445.16	0.5	PASS
11G-CDD	Ant2	2437	16.56	2428.68	2445.24	0.5	PASS
11G-CDD	Ant1	2462	16.36	2453.80	2470.16	0.5	PASS
11G-CDD	Ant2	2462	16.36	2453.80	2470.16	0.5	PASS
11N20MIMO	Ant1	2412	16.96	2403.84	2420.80	0.5	PASS
11N20MIMO	Ant2	2412	17.68	2403.20	2420.88	0.5	PASS
11N20MIMO	Ant1	2437	17.68	2428.12	2445.80	0.5	PASS
11N20MIMO	Ant2	2437	17.80	2428.08	2445.88	0.5	PASS
11N20MIMO	Ant1	2462	17.68	2453.12	2470.80	0.5	PASS
11N20MIMO	Ant2	2462	17.64	2453.16	2470.80	0.5	PASS
11N40MIMO	Ant1	2422	36.48	2403.76	2440.24	0.5	PASS
11N40MIMO	Ant2	2422	36.32	2403.84	2440.16	0.5	PASS
11N40MIMO	Ant1	2437	36.48	2418.76	2455.24	0.5	PASS
11N40MIMO	Ant2	2437	36.48	2418.76	2455.24	0.5	PASS
11N40MIMO	Ant1	2452	36.48	2433.76	2470.24	0.5	PASS
11N40MIMO	Ant2	2452	36.00	2433.84	2469.84	0.5	PASS
11AX20MIMO	Ant1	2412	19.12	2402.48	2421.60	0.5	PASS
11AX20MIMO	Ant2	2412	19.08	2402.48	2421.56	0.5	PASS
11AX20MIMO	Ant1	2437	18.92	2427.48	2446.40	0.5	PASS
11AX20MIMO	Ant2	2437	19.08	2427.44	2446.52	0.5	PASS
11AX20MIMO	Ant1	2462	19.12	2452.40	2471.52	0.5	PASS
11AX20MIMO	Ant2	2462	18.96	2452.48	2471.44	0.5	PASS
11AX40MIMO	Ant1	2422	38.16	2402.96	2441.12	0.5	PASS
11AX40MIMO	Ant2	2422	37.36	2403.12	2440.48	0.5	PASS
11AX40MIMO	Ant1	2437	37.44	2418.52	2455.96	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	38.32	2432.80	2471.12	0.5	PASS

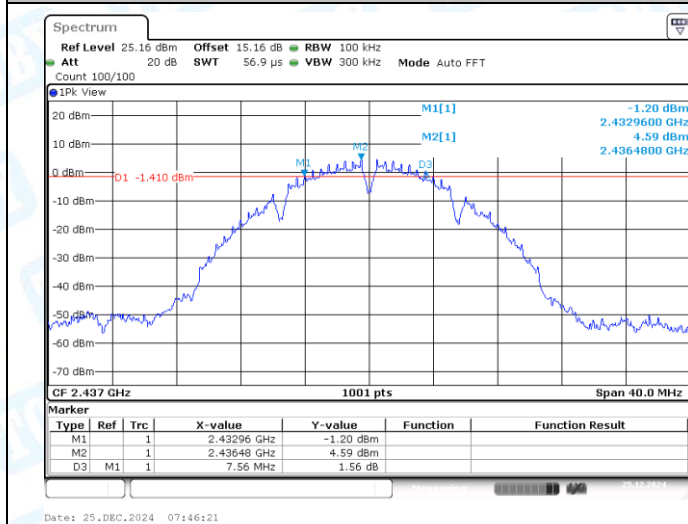
1.2 Test Graphs



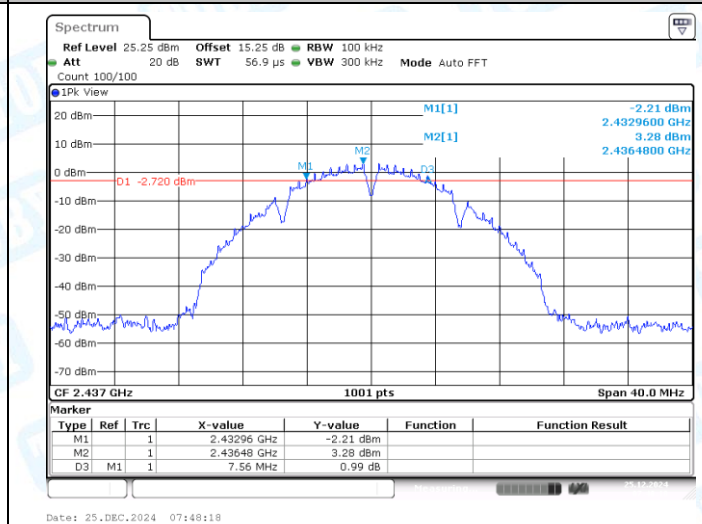
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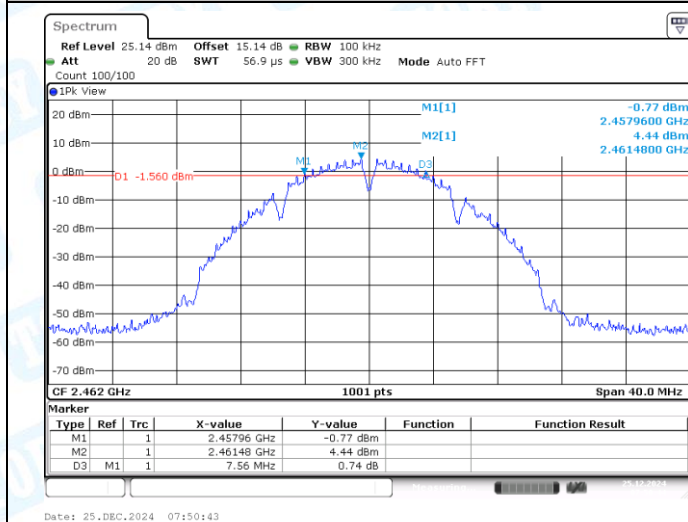
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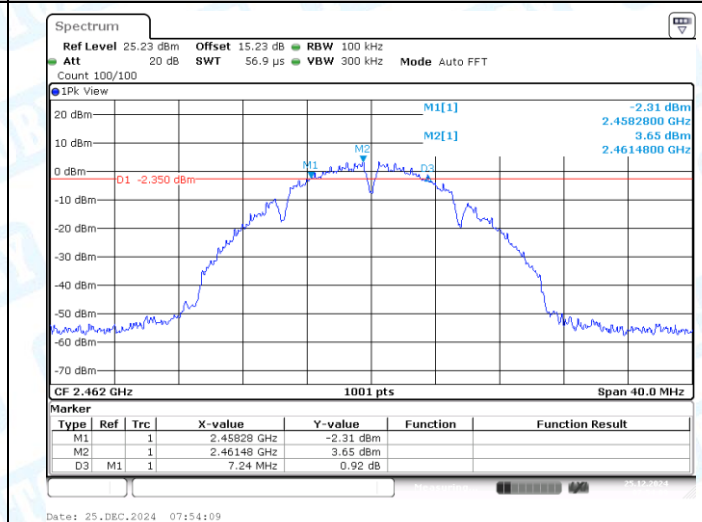
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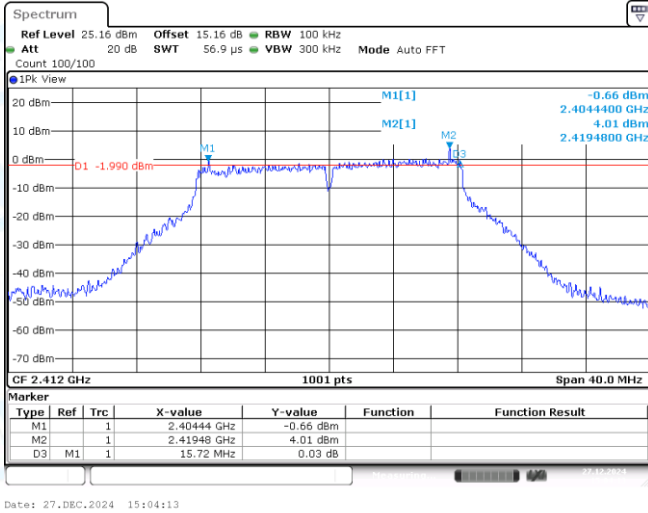
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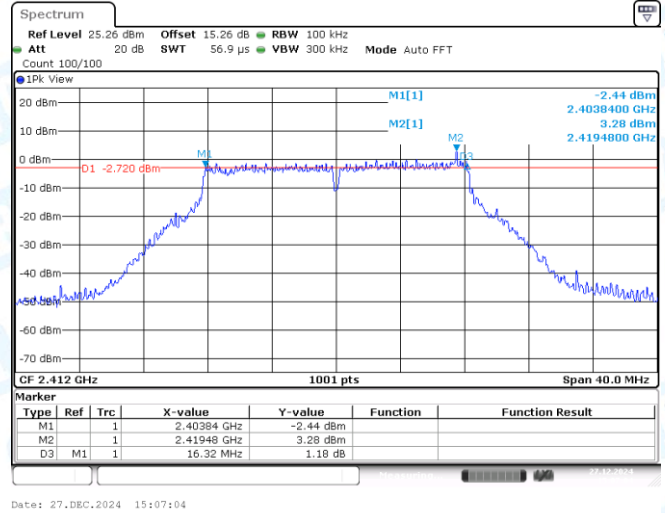
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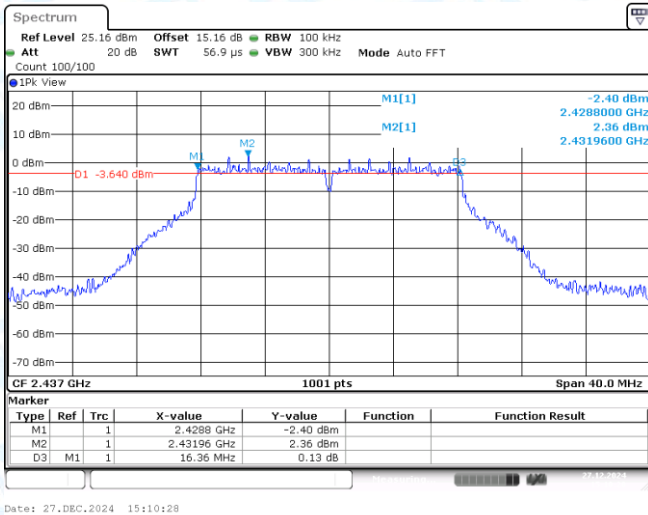
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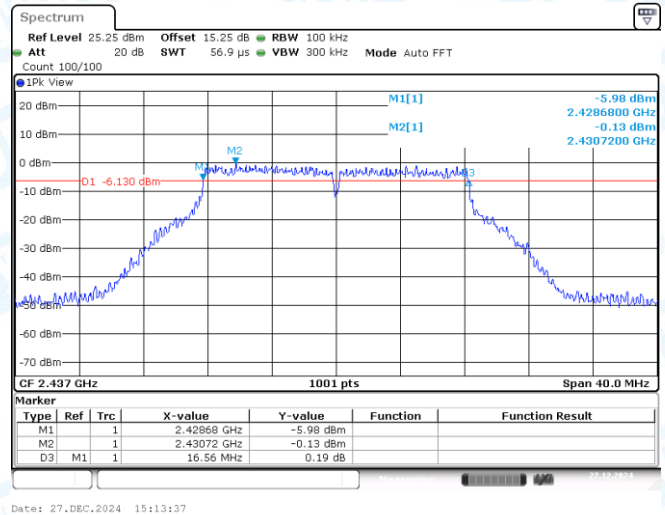
11G-CDD-Ant1-2412-PASS



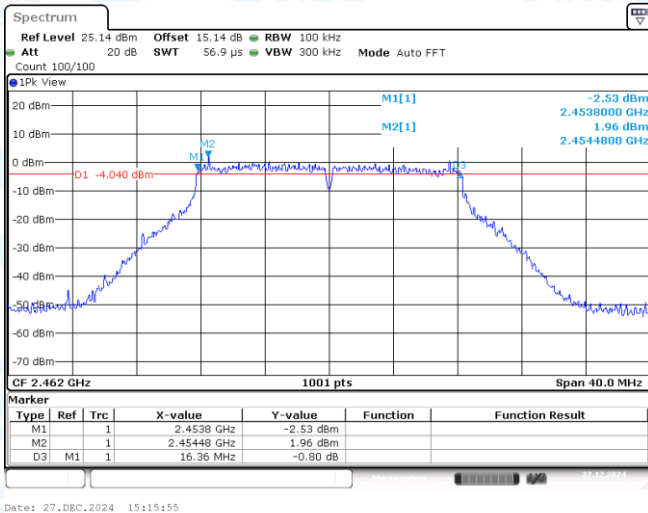
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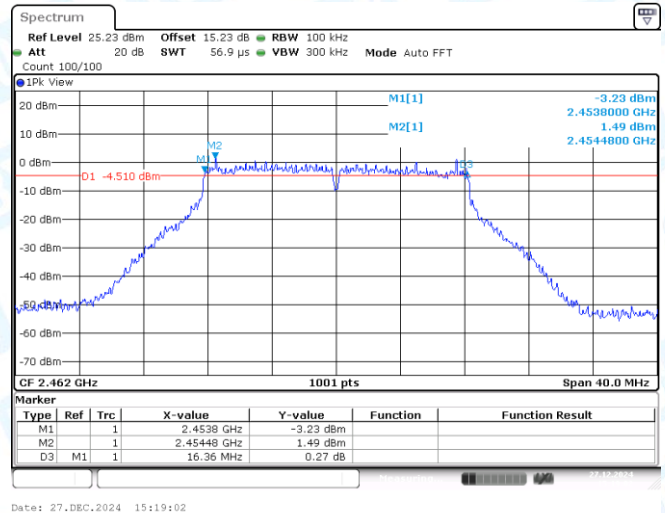
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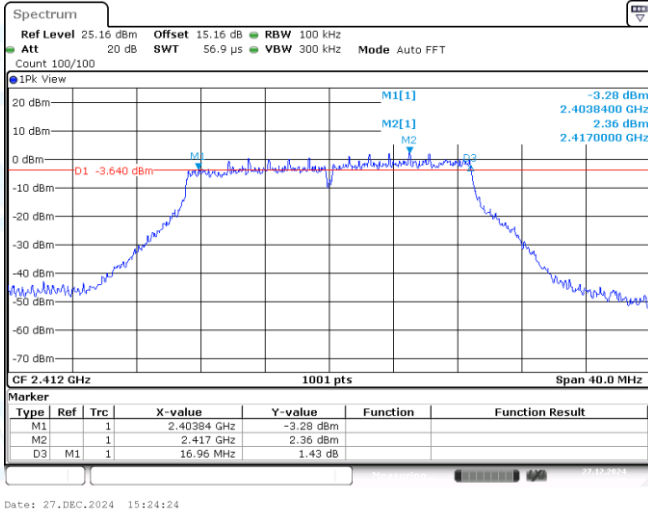
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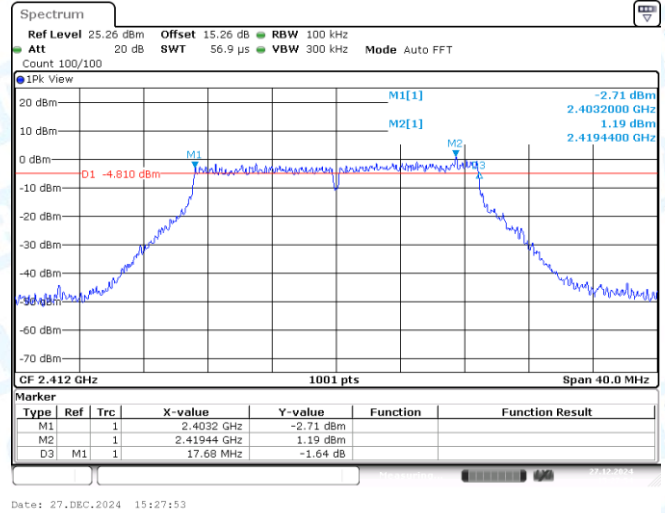
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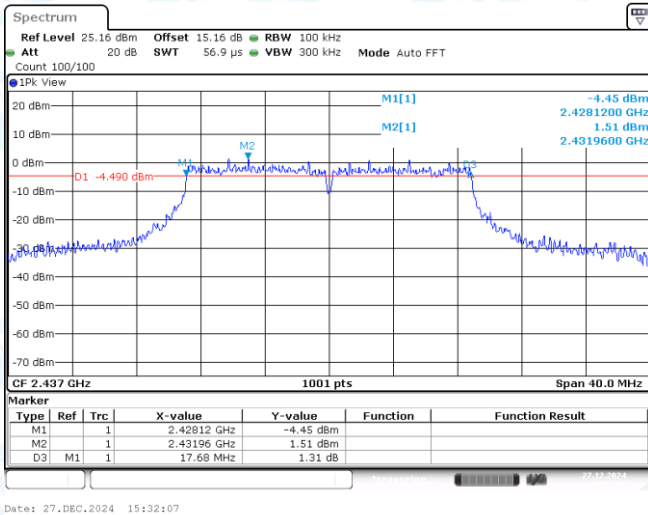
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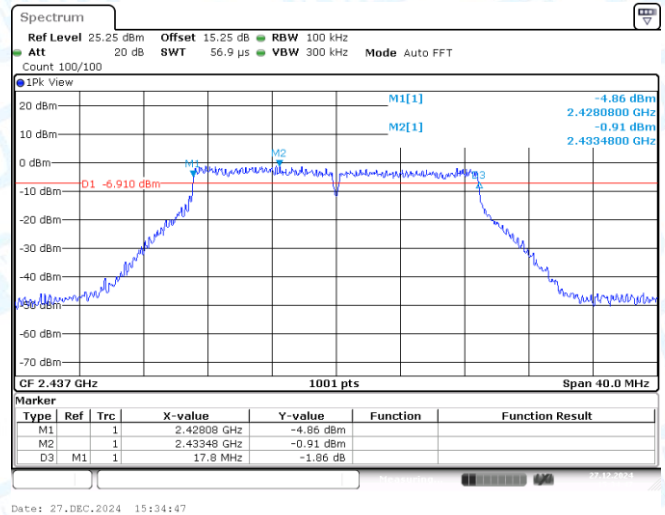
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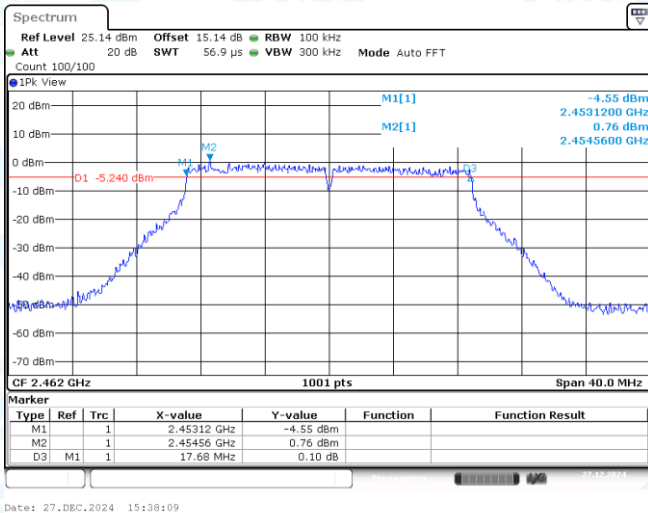
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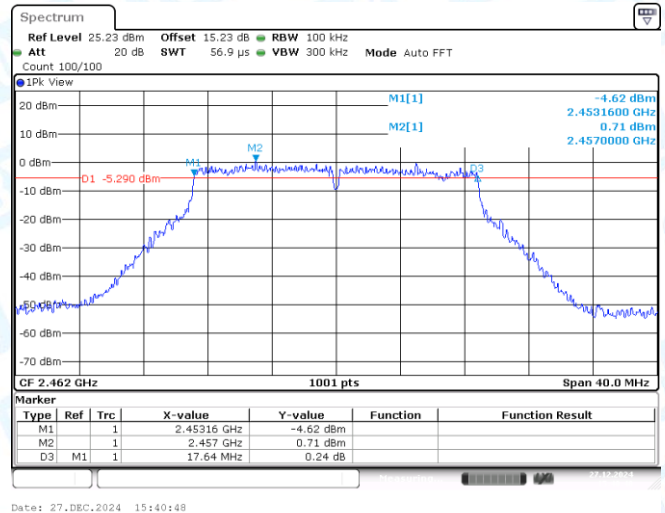
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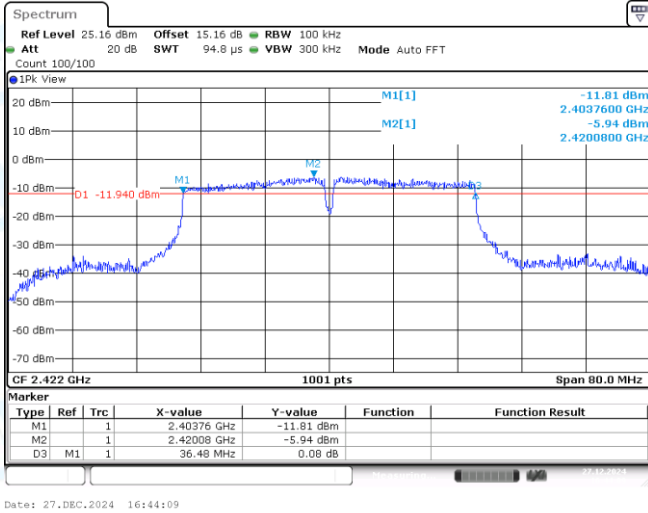
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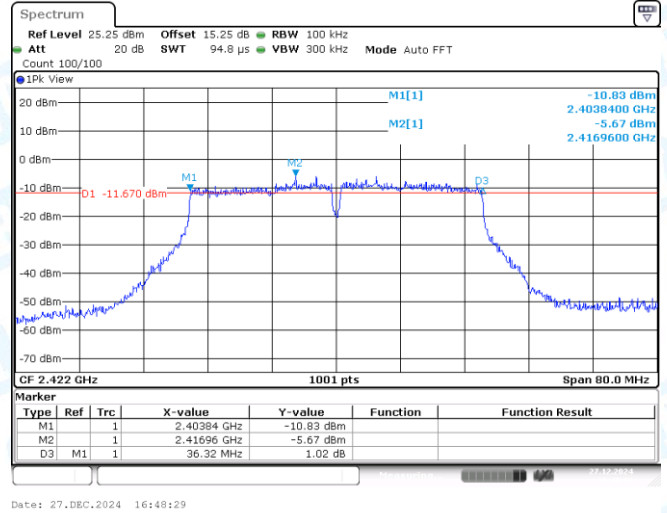
11N20MIMO-Ant1-2462-PASS



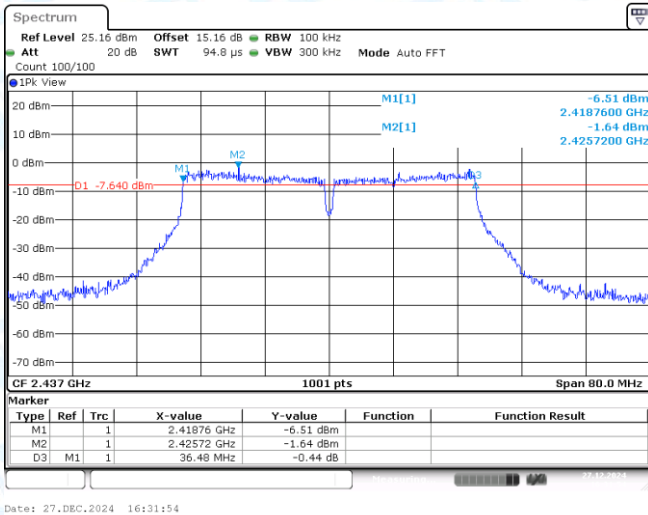
11N20MIMO-Ant2-2462-PASS



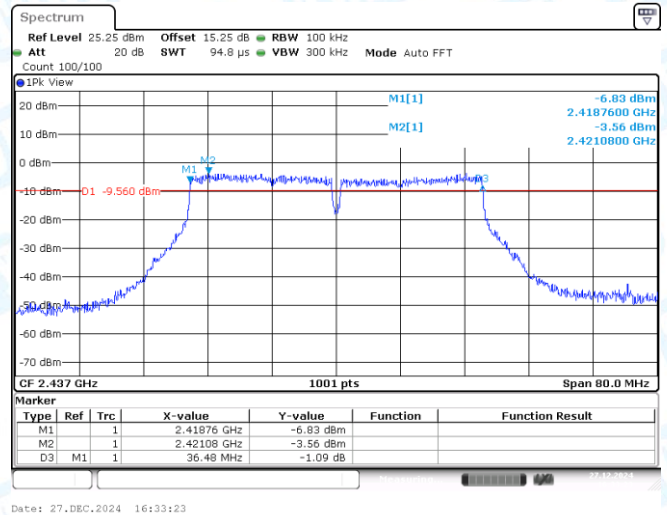
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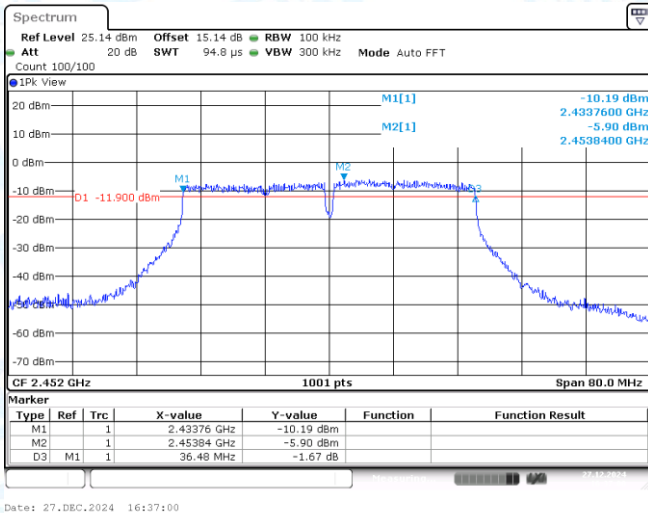
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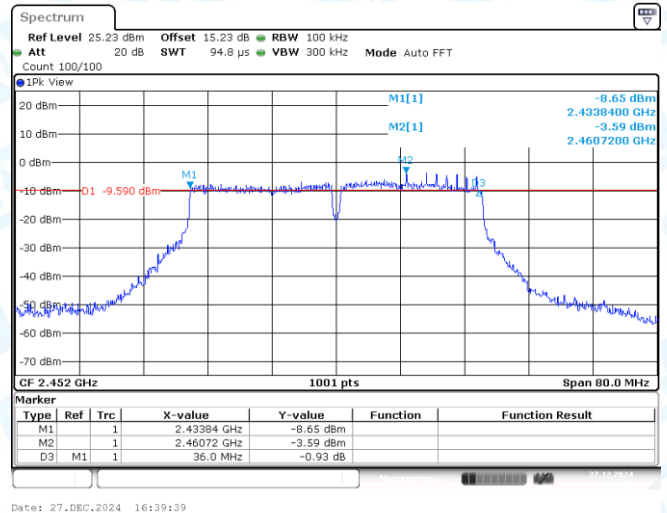
11N40MIMO-Ant1-2437-PASS



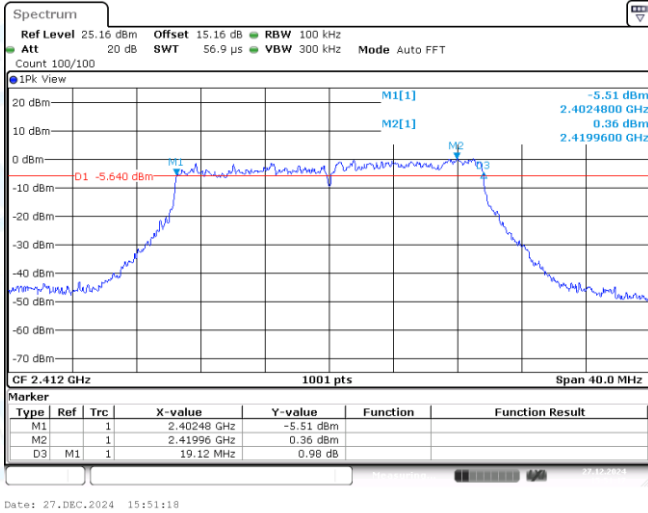
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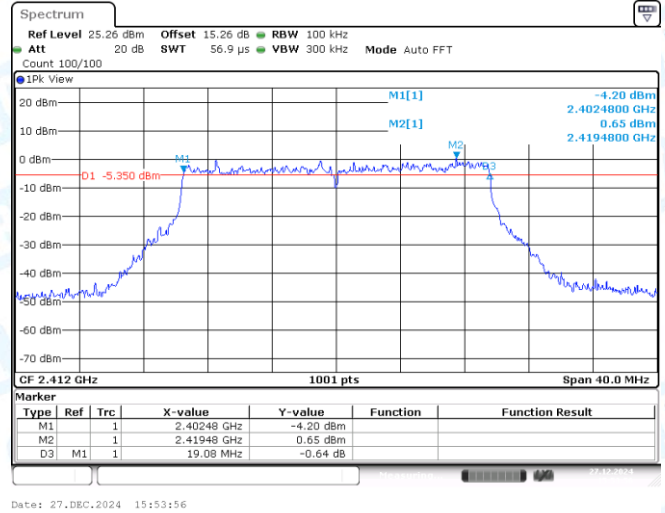
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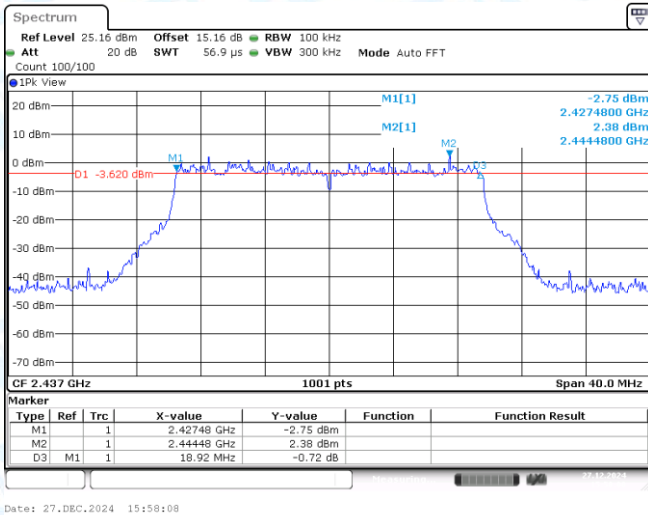
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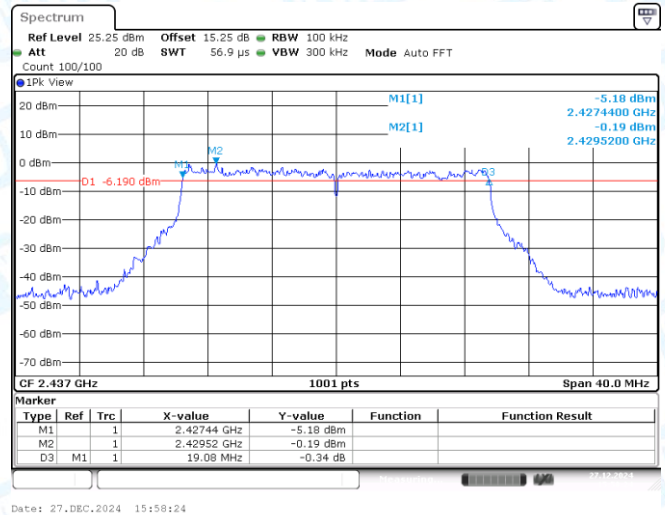
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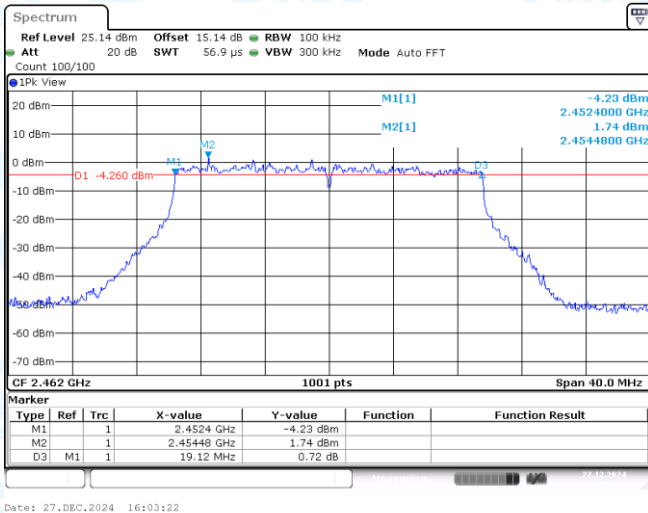
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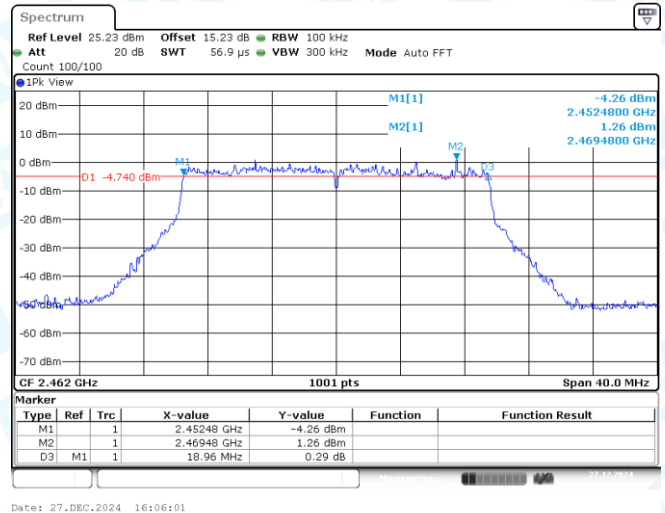
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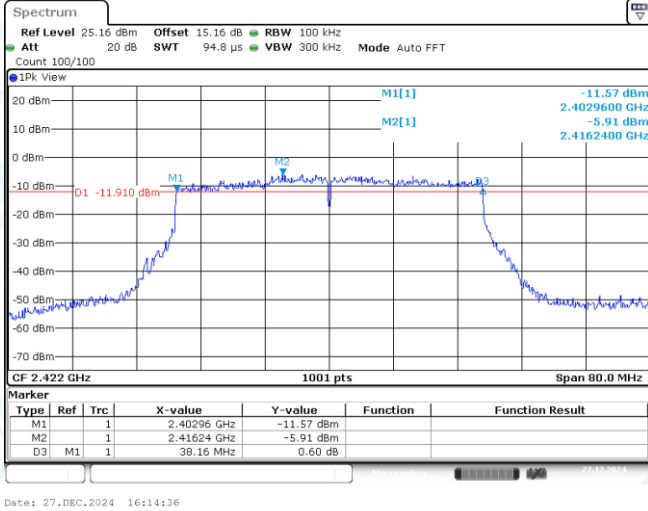
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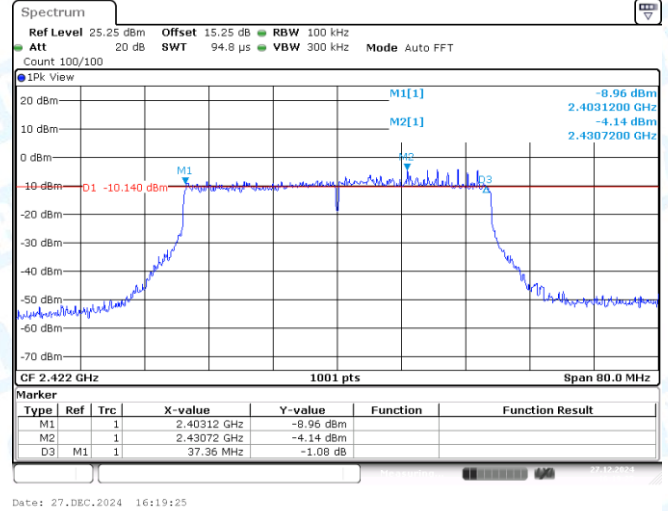
11AX20MIMO-Ant1-2462-PASS



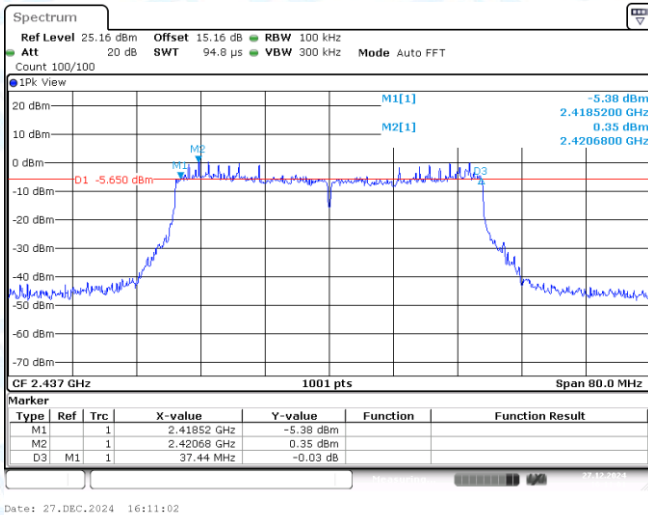
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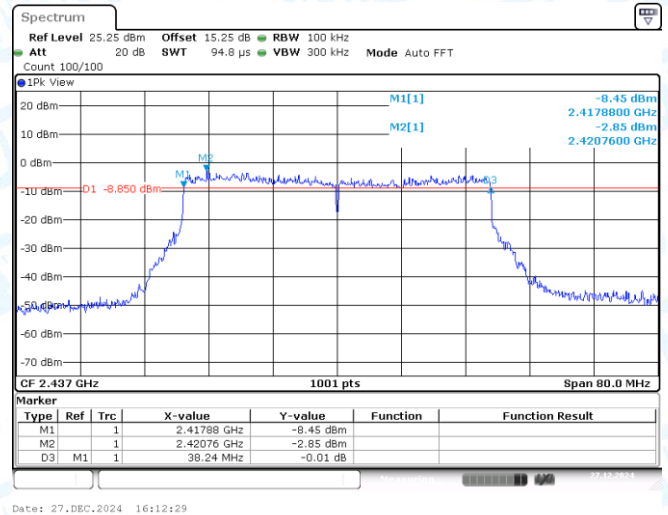
11AX40MIMO-Ant1-2422-PASS



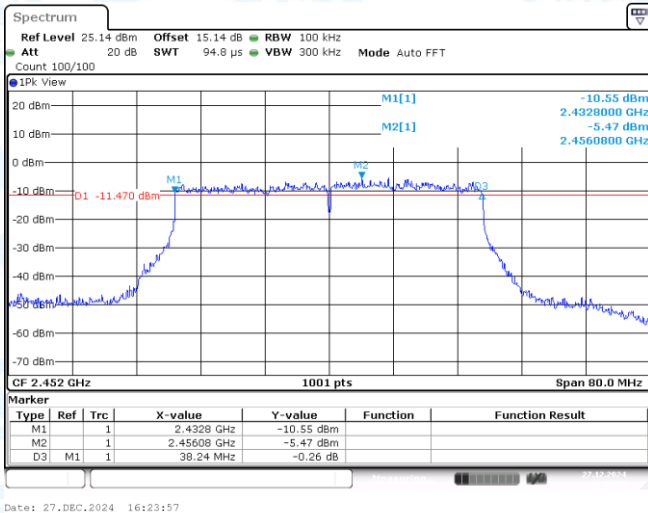
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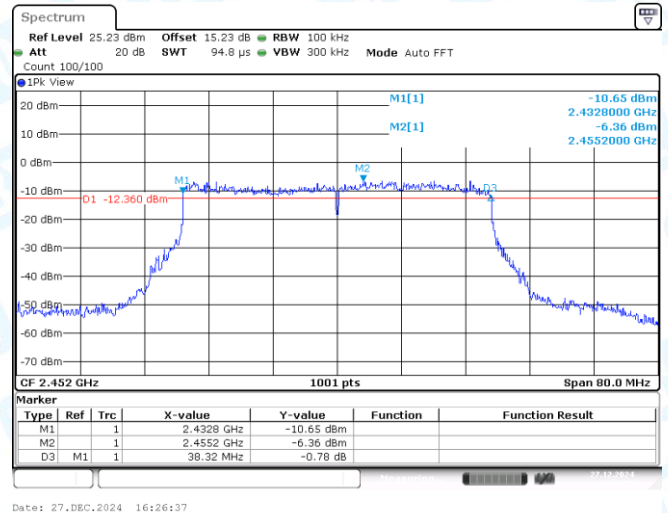
11AX40MIMO-Ant1-2437-PASS



11AX40MIMO-Ant2-2437-PASS



11AX40MIMO-Ant1-2452-PASS



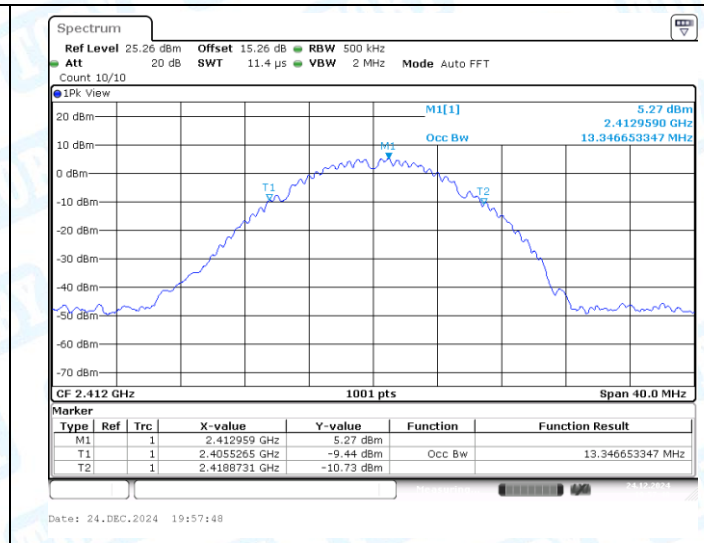
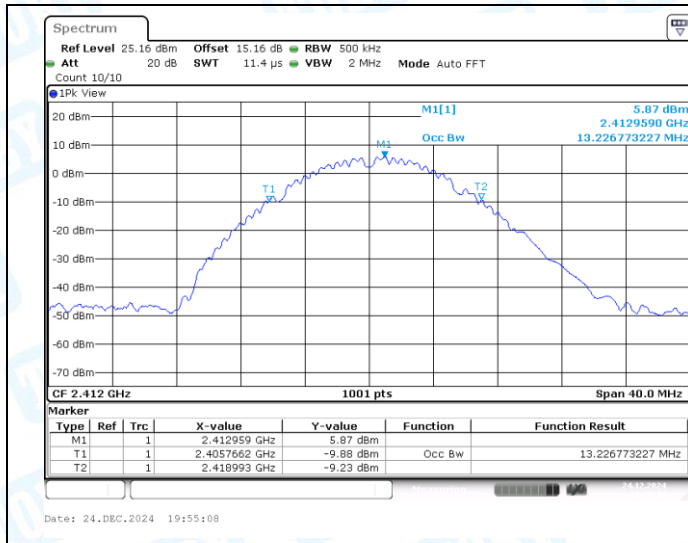
11AX40MIMO-Ant2-2452-PASS

2: Occupied Channel Bandwidth

2.1 Test Result

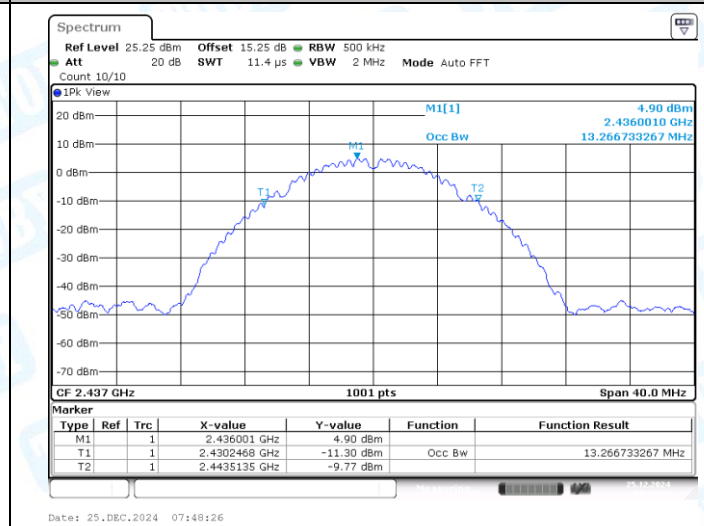
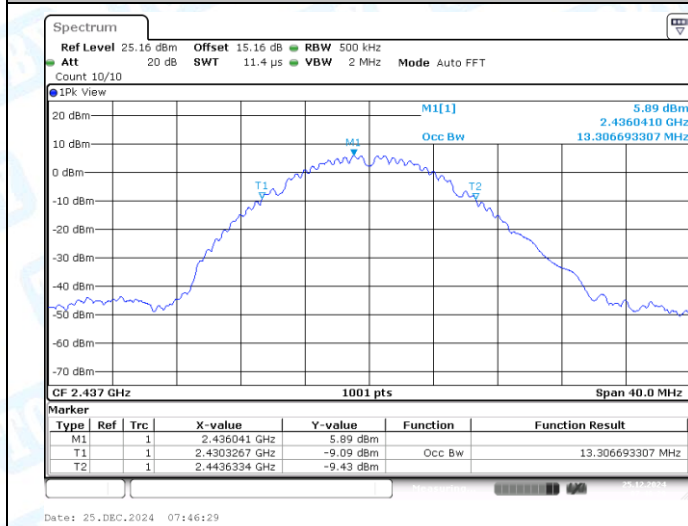
TestMode	Ant.	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	13.227	2405.7662	2418.9930	---	---
11B-CDD	Ant2	2412	13.347	2405.5265	2418.8731	---	---
11B-CDD	Ant1	2437	13.307	2430.3267	2443.6334	---	---
11B-CDD	Ant2	2437	13.267	2430.2468	2443.5135	---	---
11B-CDD	Ant1	2462	12.987	2455.4066	2468.3936	---	---
11B-CDD	Ant2	2462	12.907	2455.4066	2468.3137	---	---
11G-CDD	Ant1	2412	17.942	2403.4086	2421.3506	---	---
11G-CDD	Ant2	2412	17.303	2403.5285	2420.8312	---	---
11G-CDD	Ant1	2437	17.742	2427.9690	2445.7113	---	---
11G-CDD	Ant2	2437	17.343	2428.2887	2445.6314	---	---
11G-CDD	Ant1	2462	17.143	2453.2887	2470.4316	---	---
11G-CDD	Ant2	2462	17.063	2453.3686	2470.4316	---	---
11N20MIMO	Ant1	2412	18.462	2402.9690	2421.4306	---	---
11N20MIMO	Ant2	2412	18.422	2402.8891	2421.3107	---	---
11N20MIMO	Ant1	2437	18.581	2427.5694	2446.1508	---	---
11N20MIMO	Ant2	2437	18.342	2427.7692	2446.1109	---	---
11N20MIMO	Ant1	2462	18.422	2452.6893	2471.1109	---	---
11N20MIMO	Ant2	2462	18.342	2452.5295	2470.8711	---	---
11N40MIMO	Ant1	2422	36.923	2403.8581	2440.7812	---	---
11N40MIMO	Ant2	2422	36.763	2403.6983	2440.4615	---	---
11N40MIMO	Ant1	2437	36.603	2418.6983	2455.3017	---	---
11N40MIMO	Ant2	2437	37.083	2418.2987	2455.3816	---	---
11N40MIMO	Ant1	2452	36.923	2433.5385	2470.4615	---	---
11N40MIMO	Ant2	2452	36.923	2433.4585	2470.3816	---	---
11AX20MIMO	Ant1	2412	19.301	2402.4895	2421.7902	---	---
11AX20MIMO	Ant2	2412	19.54	2402.4096	2421.9500	---	---
11AX20MIMO	Ant1	2437	19.461	2427.2897	2446.7502	---	---
11AX20MIMO	Ant2	2437	19.5	2427.2098	2446.7103	---	---
11AX20MIMO	Ant1	2462	19.261	2452.3696	2471.6304	---	---
11AX20MIMO	Ant2	2462	19.101	2452.4096	2471.5105	---	---
11AX40MIMO	Ant1	2422	37.962	2402.9790	2440.9411	---	---
11AX40MIMO	Ant2	2422	38.042	2402.9790	2441.0210	---	---
11AX40MIMO	Ant1	2437	38.122	2417.9790	2456.1009	---	---
11AX40MIMO	Ant2	2437	38.442	2417.8192	2456.2607	---	---
11AX40MIMO	Ant1	2452	38.282	2432.7393	2471.0210	---	---
11AX40MIMO	Ant2	2452	38.202	2432.7393	2470.9411	---	---

2.2 Test Graphs



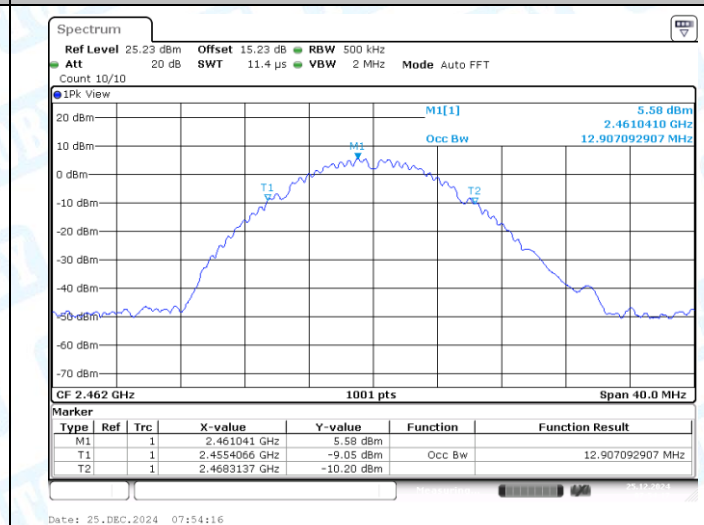
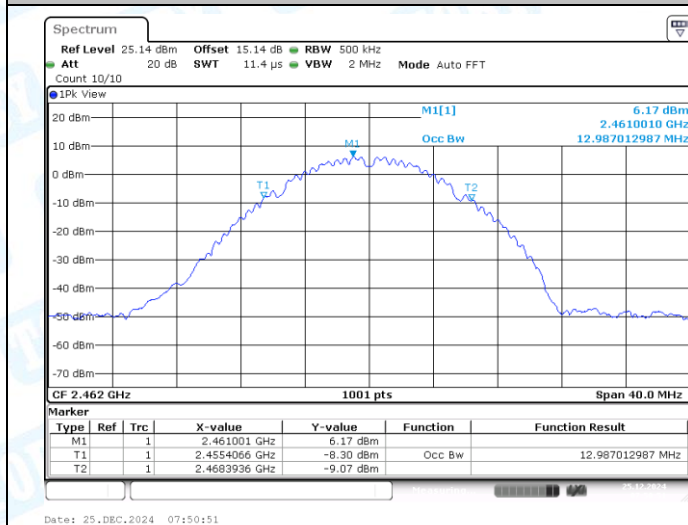
11B-CDD-Ant1-2412

11B-CDD-Ant2-2412



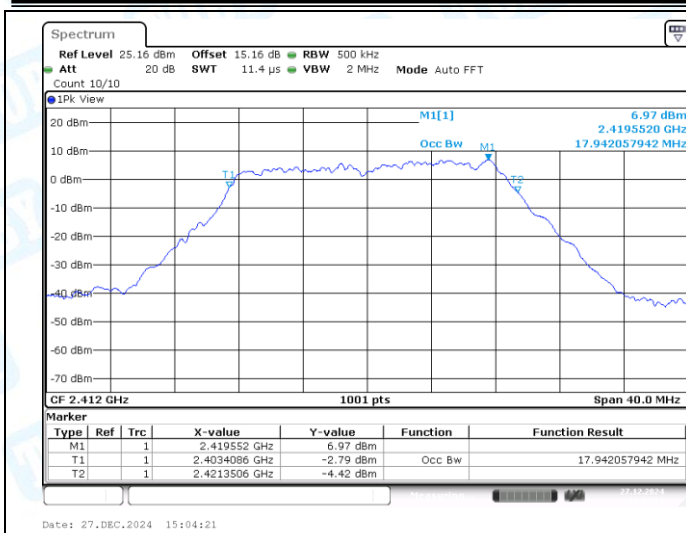
11B-CDD-Ant1-2437

11B-CDD-Ant2-2437

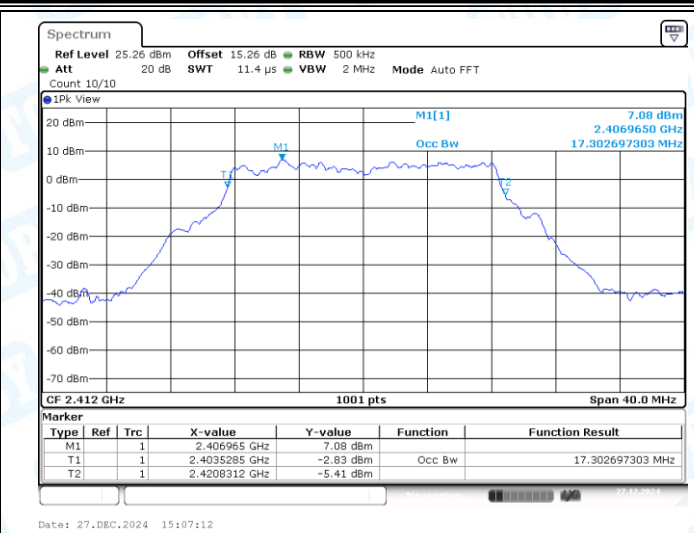


11B-CDD-Ant1-2462

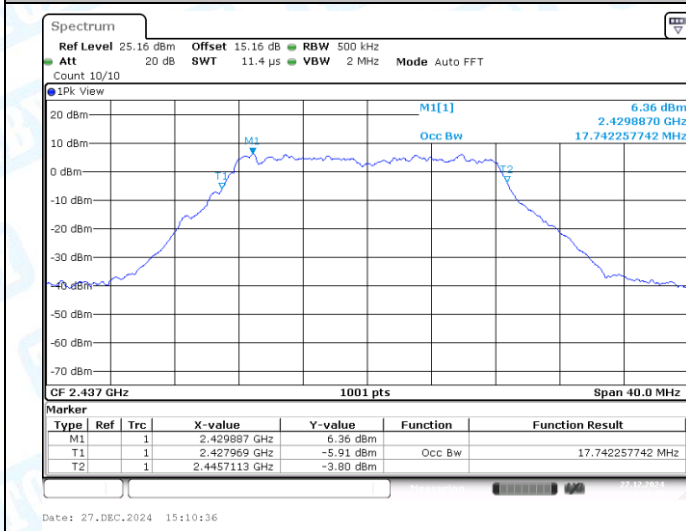
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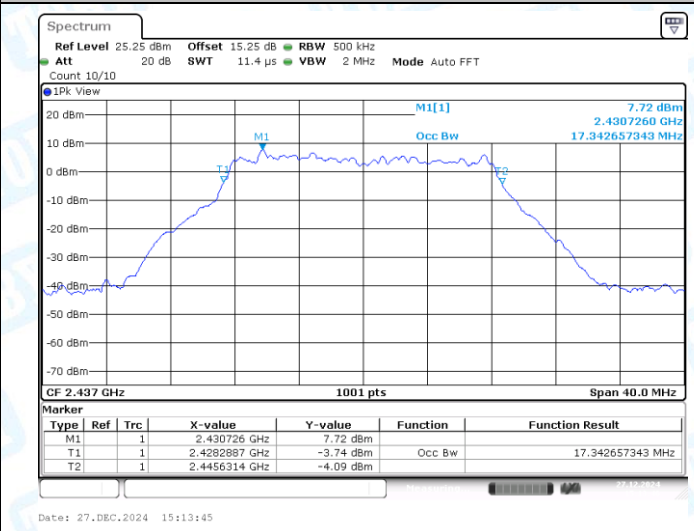
11G-CDD-Ant1-2412



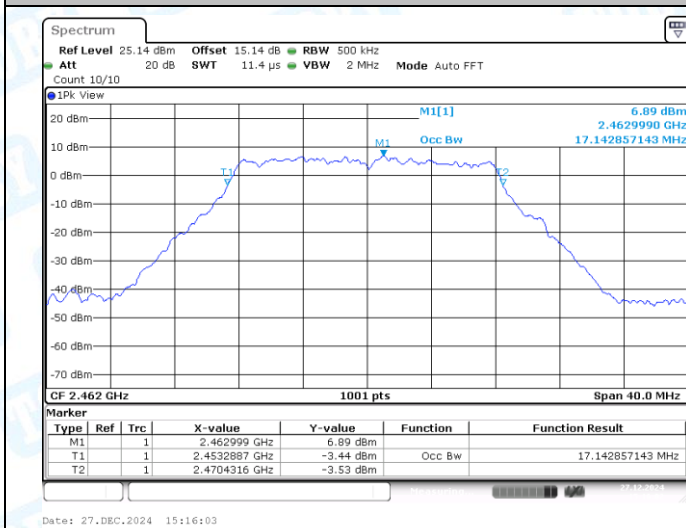
11G-CDD-Ant2-2412



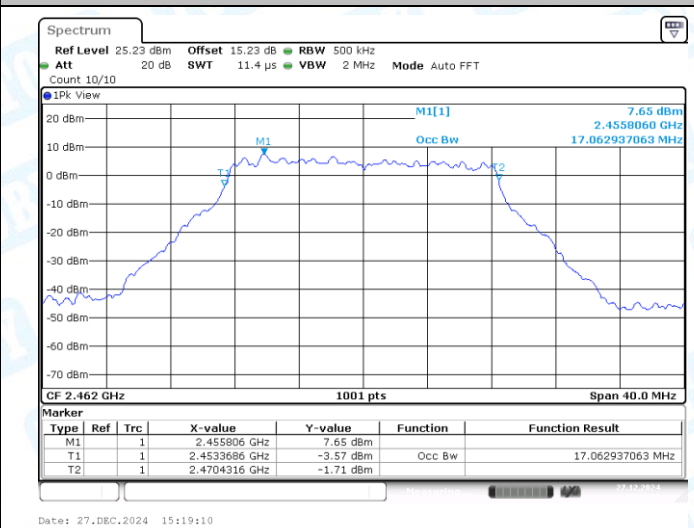
11G-CDD-Ant1-2437



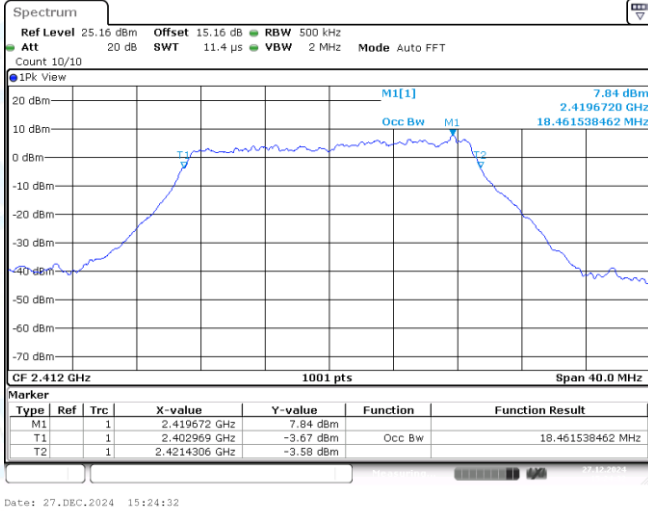
11G-CDD-Ant2-2437



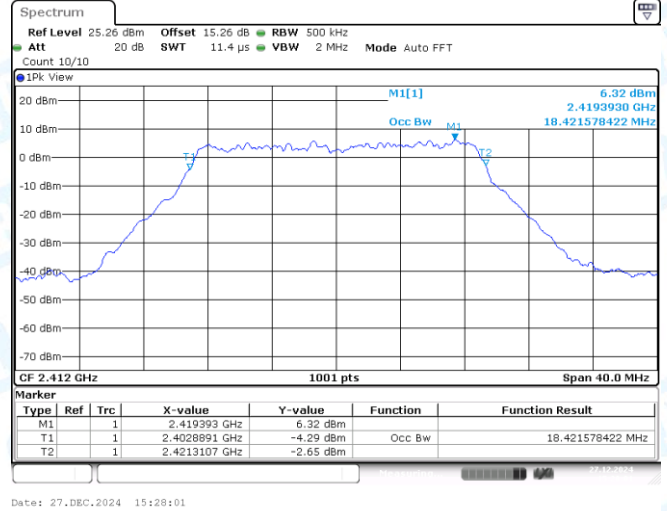
11G-CDD-Ant1-2462



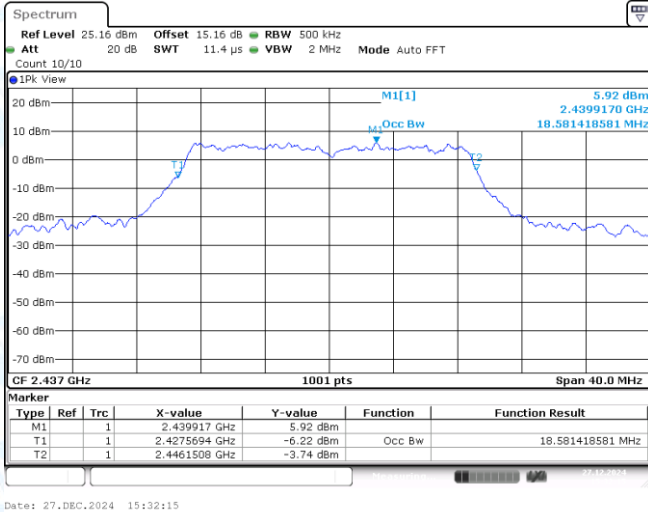
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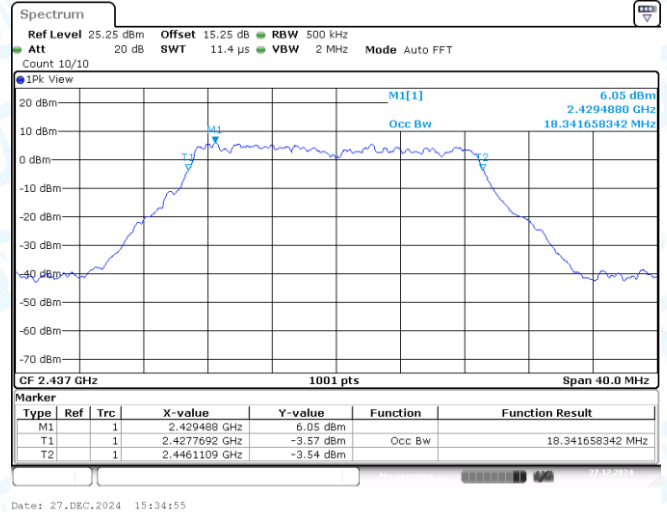
11N20MIMO-Ant1-2412



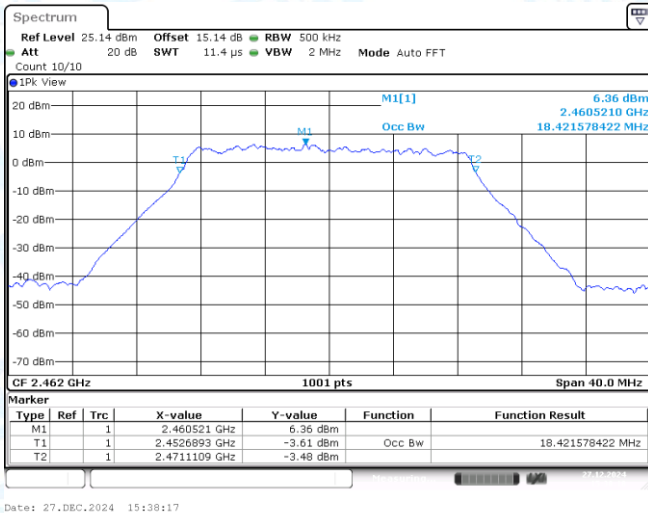
11N20MIMO-Ant2-2412



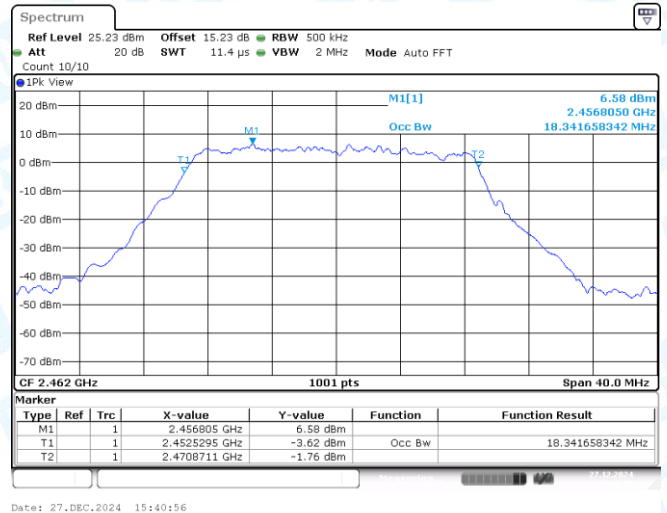
11N20MIMO-Ant1-2437



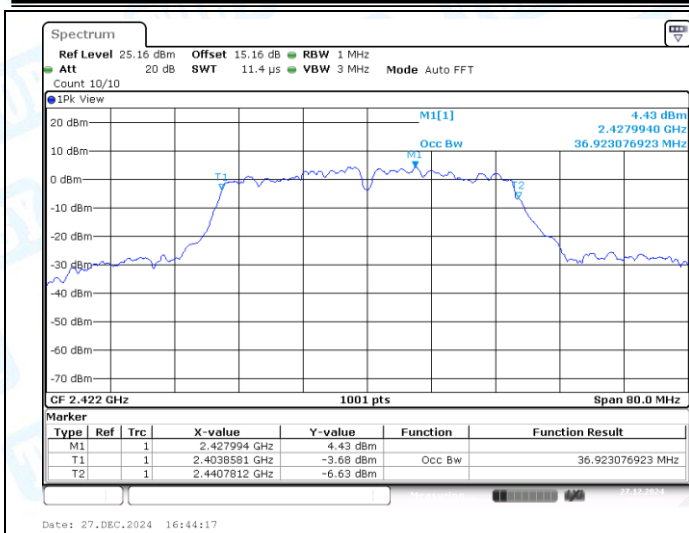
11N20MIMO-Ant2-2437



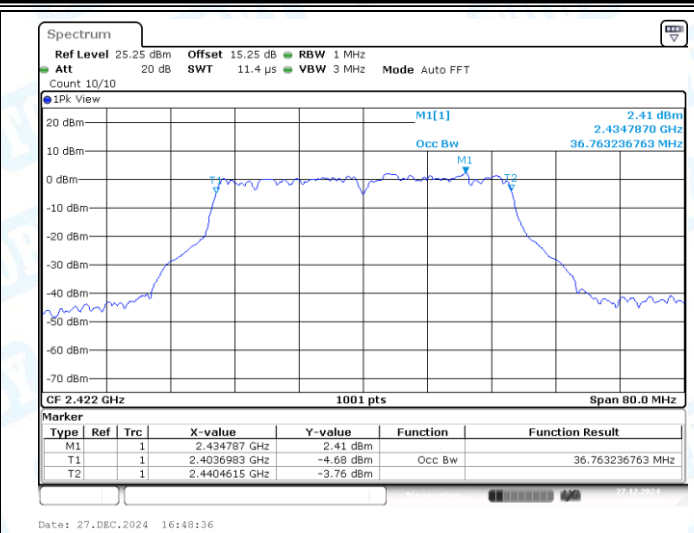
11N20MIMO-Ant1-2462



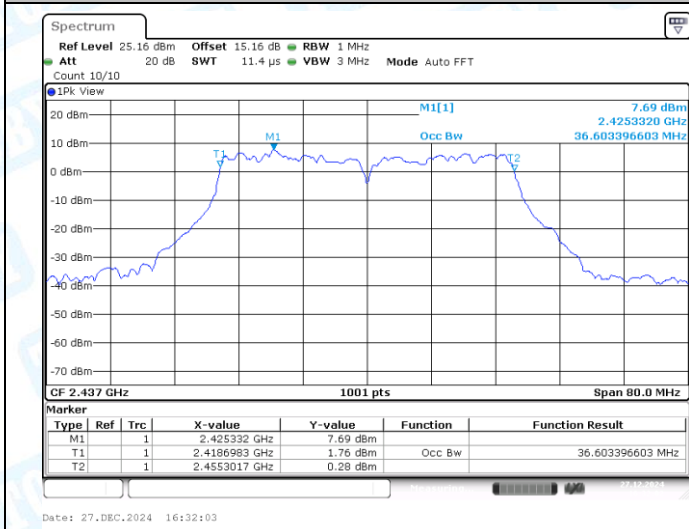
11N20MIMO-Ant2-2462



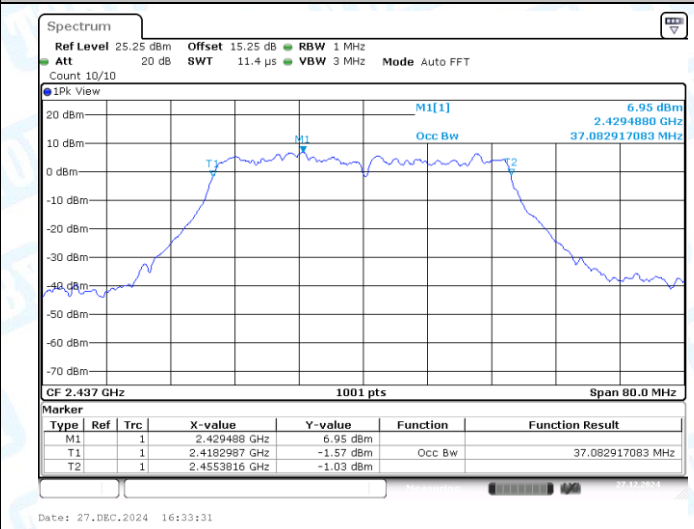
11N40MIMO-Ant1-2422



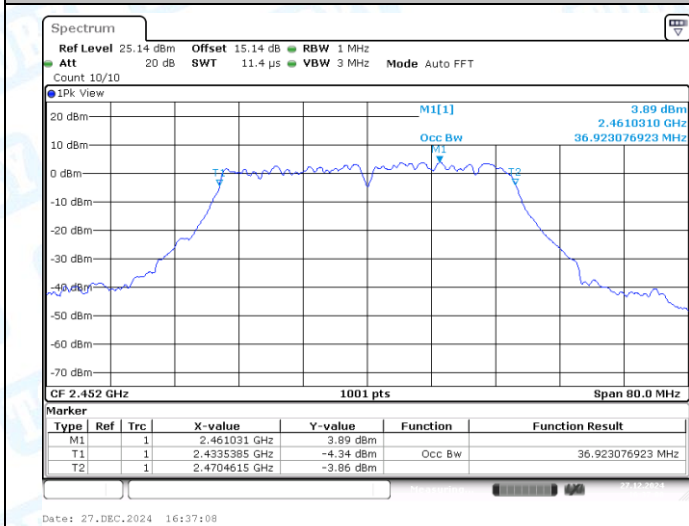
11N40MIMO-Ant2-2422



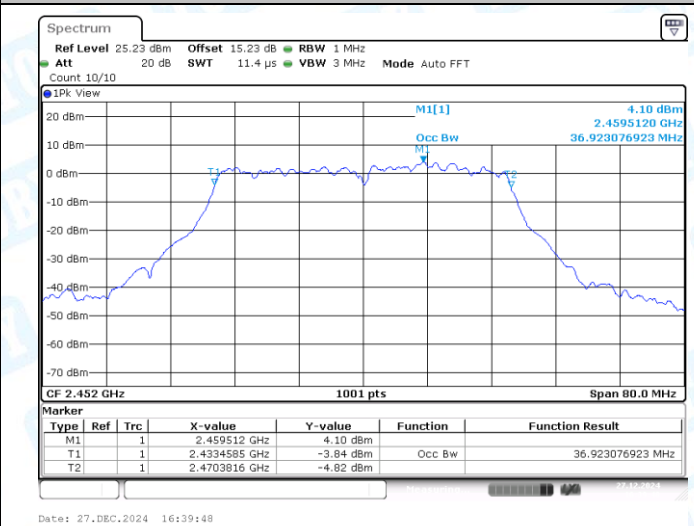
11N40MIMO-Ant1-2437



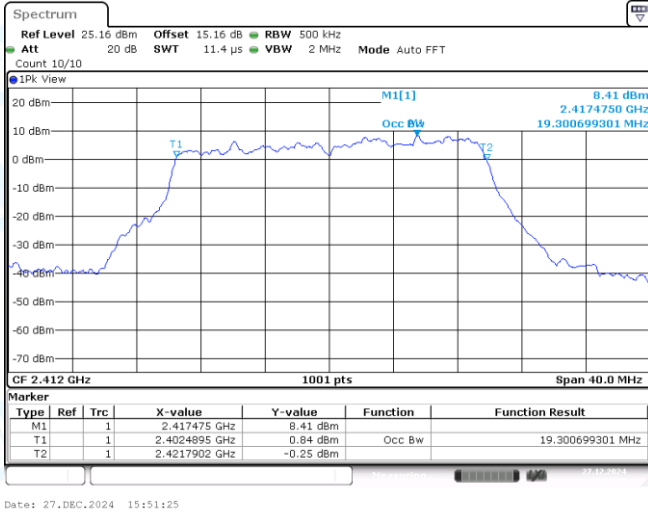
11N40MIMO-Ant2-2437



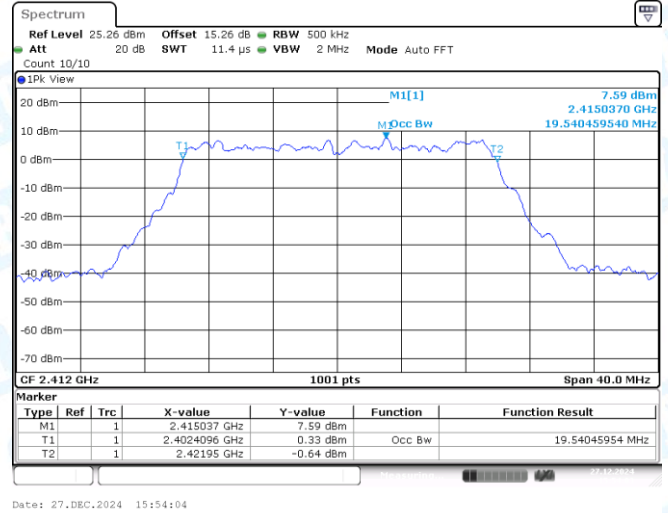
11N40MIMO-Ant1-2452



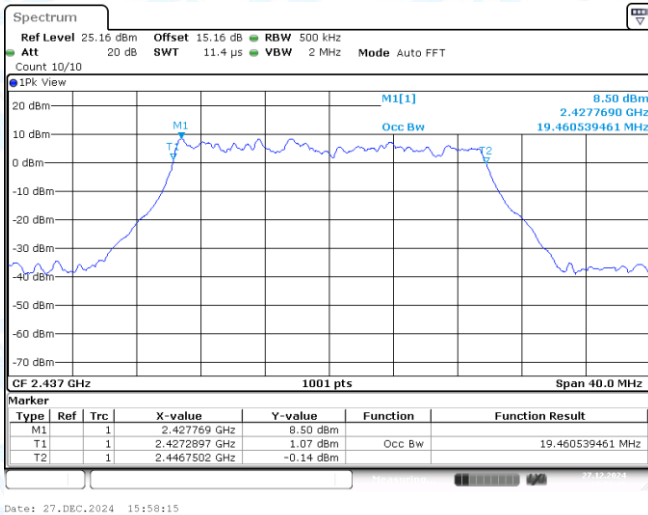
11N40MIMO-Ant2-2452



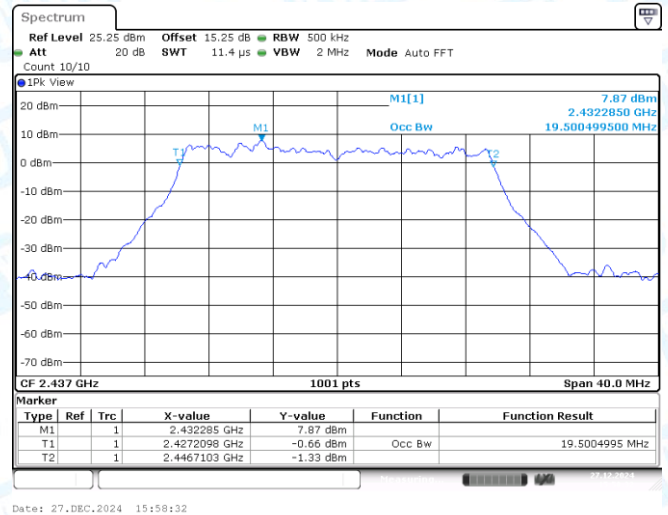
11AX20MIMO-Ant1-2412



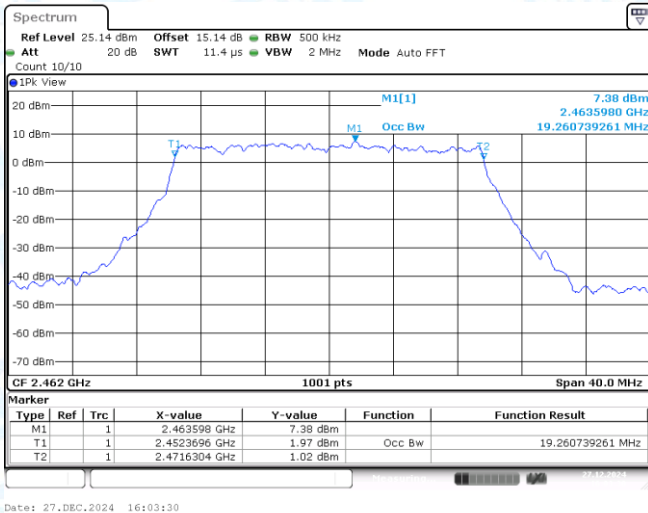
11AX20MIMO-Ant2-2412



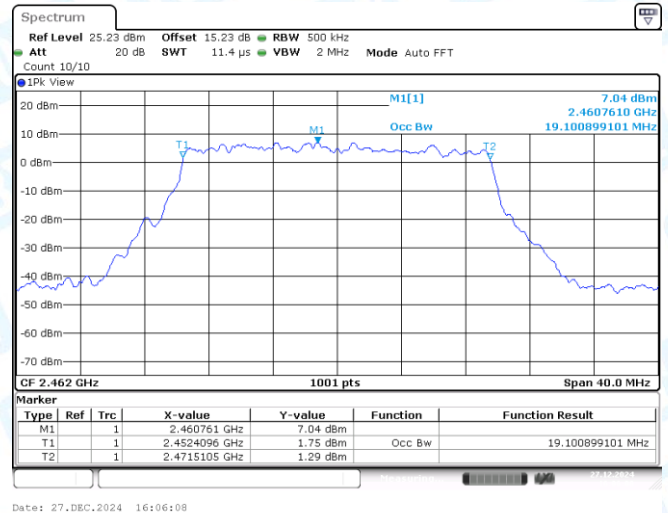
11AX20MIMO-Ant1-2437



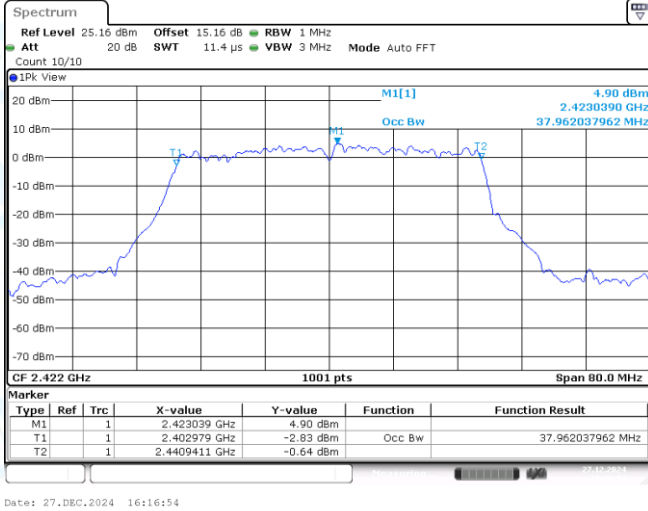
11AX20MIMO-Ant2-2437



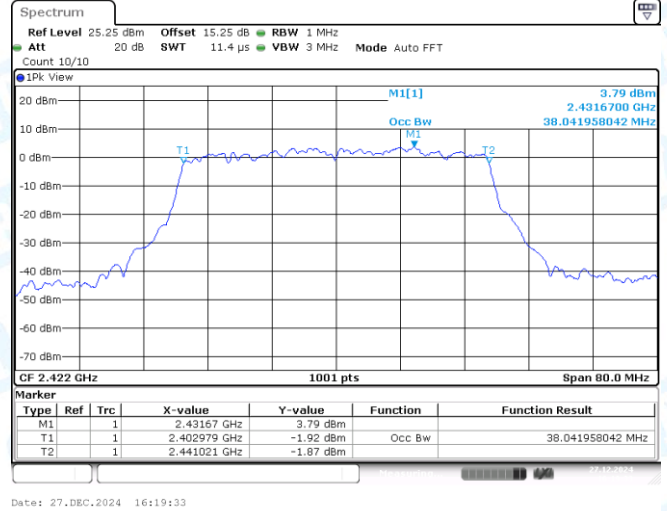
11AX20MIMO-Ant1-2462



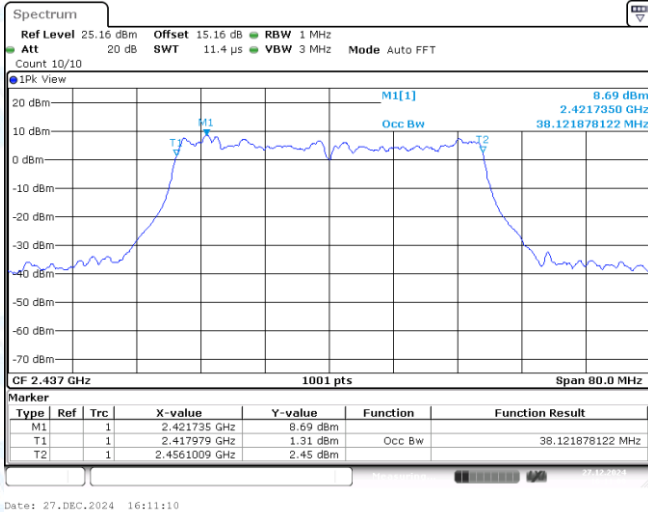
11AX20MIMO-Ant2-2462



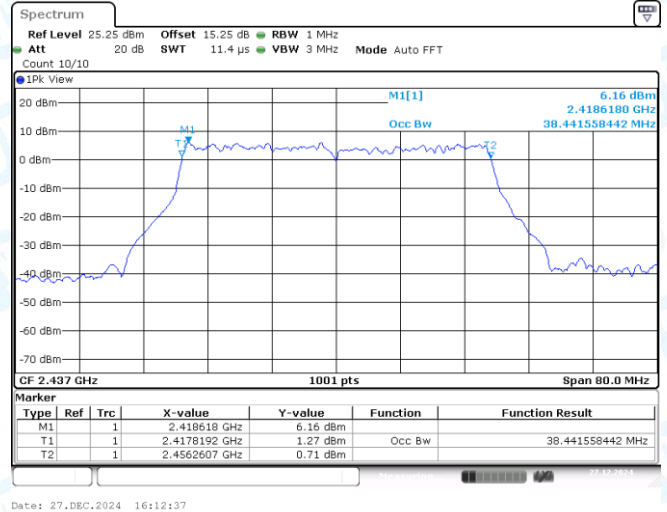
11AX40MIMO-Ant1-2422



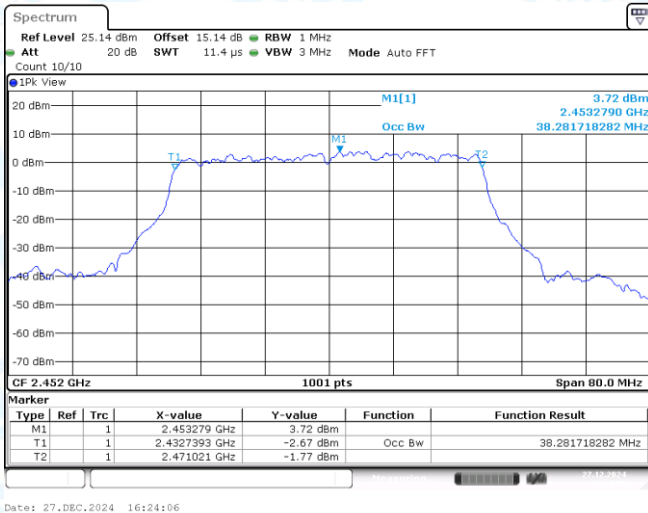
11AX40MIMO-Ant2-2422



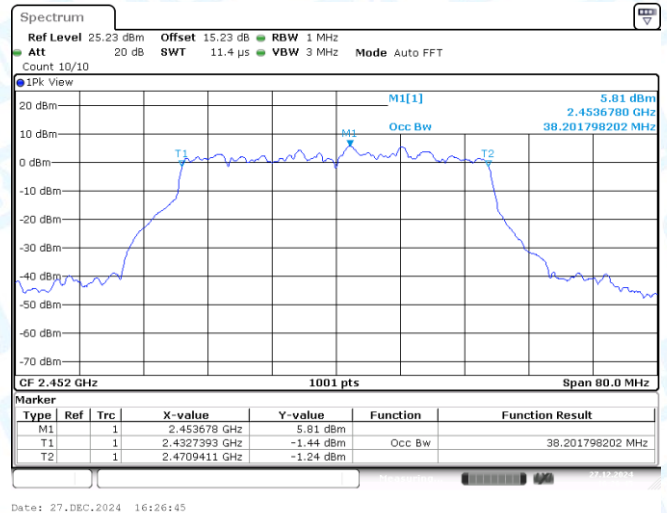
11AX40MIMO-Ant1-2437



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	12.74	≤30.00	PASS
11B-CDD	Ant2	2412	12.26	≤30.00	PASS
11B-CDD	total	2412	15.52	≤30.00	PASS
11B-CDD	Ant1	2437	12.57	≤30.00	PASS
11B-CDD	Ant2	2437	11.59	≤30.00	PASS
11B-CDD	total	2437	15.12	≤30.00	PASS
11B-CDD	Ant1	2462	12.96	≤30.00	PASS
11B-CDD	Ant2	2462	12.37	≤30.00	PASS
11B-CDD	total	2462	15.69	≤30.00	PASS
11G-CDD	Ant1	2412	12.98	≤30.00	PASS
11G-CDD	Ant2	2412	12.85	≤30.00	PASS
11G-CDD	total	2412	15.93	≤30.00	PASS
11G-CDD	Ant1	2437	12.83	≤30.00	PASS
11G-CDD	Ant2	2437	12.57	≤30.00	PASS
11G-CDD	total	2437	15.71	≤30.00	PASS
11G-CDD	Ant1	2462	13.31	≤30.00	PASS
11G-CDD	Ant2	2462	13.16	≤30.00	PASS
11G-CDD	total	2462	16.25	≤30.00	PASS
11N20MIMO	Ant1	2412	12.63	≤30.00	PASS
11N20MIMO	Ant2	2412	12.37	≤30.00	PASS
11N20MIMO	total	2412	15.51	≤30.00	PASS
11N20MIMO	Ant1	2437	12.71	≤30.00	PASS
11N20MIMO	Ant2	2437	12.14	≤30.00	PASS
11N20MIMO	total	2437	15.44	≤30.00	PASS
11N20MIMO	Ant1	2462	13.02	≤30.00	PASS
11N20MIMO	Ant2	2462	12.60	≤30.00	PASS
11N20MIMO	total	2462	15.83	≤30.00	PASS
11N40MIMO	Ant1	2422	10.06	≤30.00	PASS
11N40MIMO	Ant2	2422	9.29	≤30.00	PASS
11N40MIMO	total	2422	12.70	≤30.00	PASS
11N40MIMO	Ant1	2437	12.86	≤30.00	PASS
11N40MIMO	Ant2	2437	13.06	≤30.00	PASS
11N40MIMO	total	2437	15.97	≤30.00	PASS
11N40MIMO	Ant1	2452	10.58	≤30.00	PASS
11N40MIMO	Ant2	2452	9.79	≤30.00	PASS
11N40MIMO	total	2452	13.21	≤30.00	PASS
11AX20MIMO	Ant1	2412	12.73	≤30.00	PASS
11AX20MIMO	Ant2	2412	12.55	≤30.00	PASS
11AX20MIMO	total	2412	15.65	≤30.00	PASS
11AX20MIMO	Ant1	2437	12.73	≤30.00	PASS
11AX20MIMO	Ant2	2437	12.27	≤30.00	PASS

11AX20MIMO	total	2437	15.52	≤30.00	PASS
11AX20MIMO	Ant1	2462	13.04	≤30.00	PASS
11AX20MIMO	Ant2	2462	12.68	≤30.00	PASS
11AX20MIMO	total	2462	15.87	≤30.00	PASS
11AX40MIMO	Ant1	2422	10.00	≤30.00	PASS
11AX40MIMO	Ant2	2422	9.49	≤30.00	PASS
11AX40MIMO	total	2422	12.76	≤30.00	PASS
11AX40MIMO	Ant1	2437	12.89	≤30.00	PASS
11AX40MIMO	Ant2	2437	12.50	≤30.00	PASS
11AX40MIMO	total	2437	15.71	≤30.00	PASS
11AX40MIMO	Ant1	2452	10.04	≤30.00	PASS
11AX40MIMO	Ant2	2452	9.75	≤30.00	PASS
11AX40MIMO	total	2452	12.91	≤30.00	PASS

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

4: Maximum power spectral density

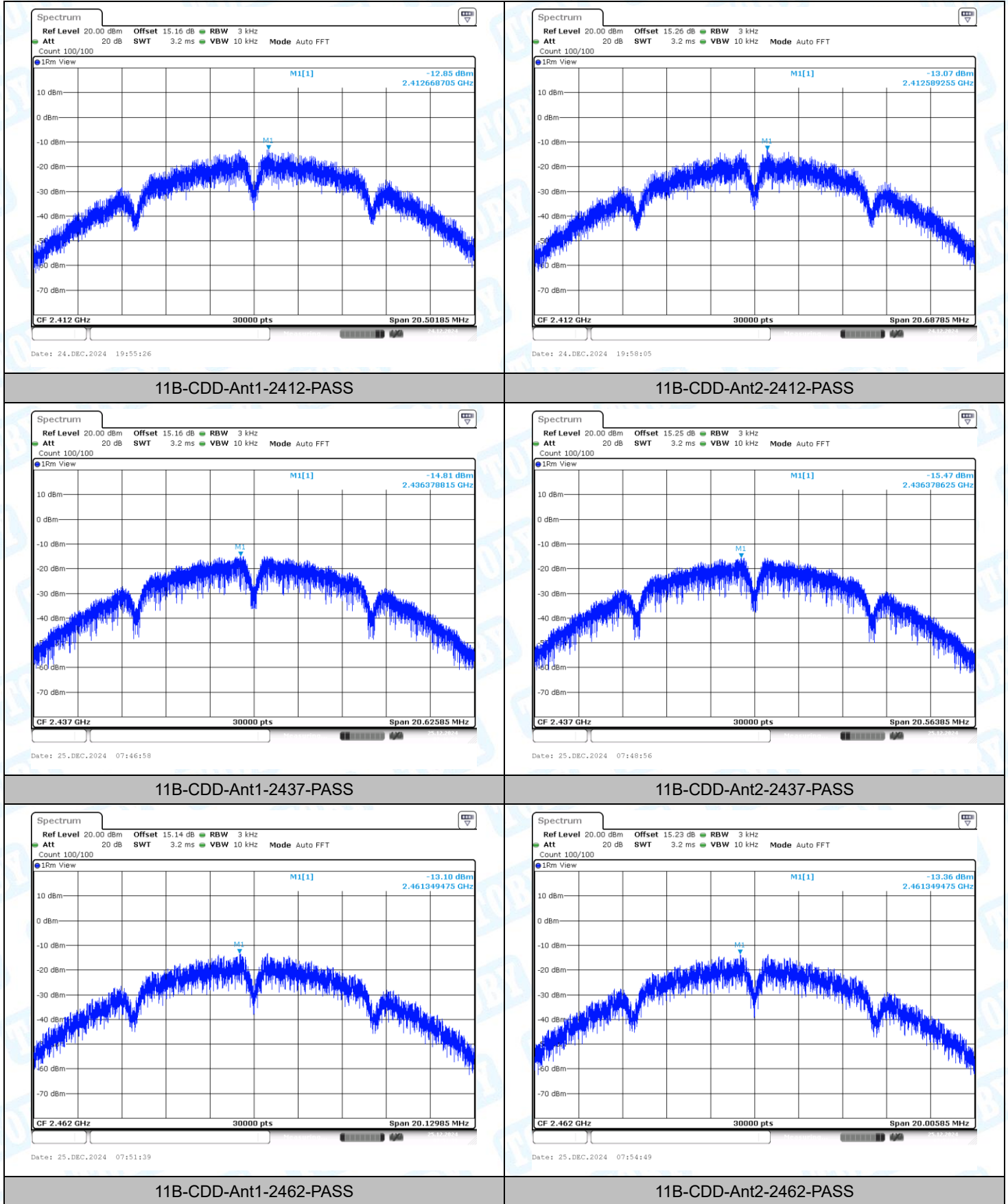
4.1 Test Result

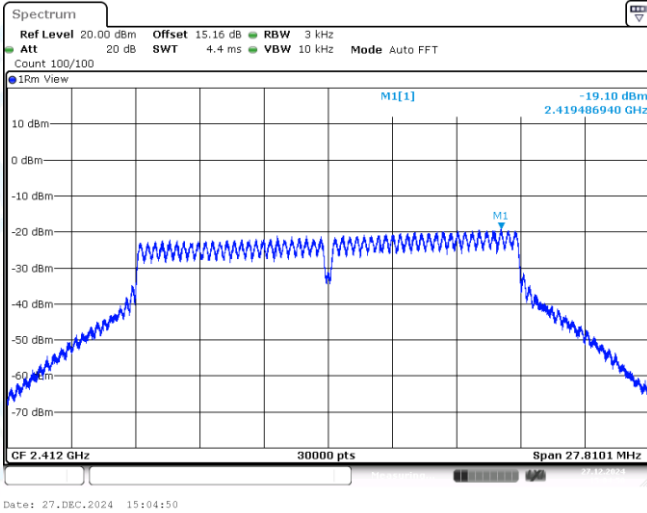
TestMode	Ant.	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B-CDD	Ant1	2412	-12.66	≤8.00	PASS
11B-CDD	Ant2	2412	-12.94	≤8.00	PASS
11B-CDD	total	2412	-9.79	≤8.00	PASS
11B-CDD	Ant1	2437	-14.68	≤8.00	PASS
11B-CDD	Ant2	2437	-15.40	≤8.00	PASS
11B-CDD	total	2437	-12.01	≤8.00	PASS
11B-CDD	Ant1	2462	-12.97	≤8.00	PASS
11B-CDD	Ant2	2462	-13.23	≤8.00	PASS
11B-CDD	total	2462	-10.09	≤8.00	PASS
11G-CDD	Ant1	2412	-19.06	≤8.00	PASS
11G-CDD	Ant2	2412	-19.84	≤8.00	PASS
11G-CDD	total	2412	-16.42	≤8.00	PASS
11G-CDD	Ant1	2437	-20.41	≤8.00	PASS
11G-CDD	Ant2	2437	-20.69	≤8.00	PASS
11G-CDD	total	2437	-17.54	≤8.00	PASS
11G-CDD	Ant1	2462	-19.91	≤8.00	PASS
11G-CDD	Ant2	2462	-20.53	≤8.00	PASS
11G-CDD	total	2462	-17.20	≤8.00	PASS
11N20MIMO	Ant1	2412	-19.55	≤8.00	PASS
11N20MIMO	Ant2	2412	-20.80	≤8.00	PASS
11N20MIMO	total	2412	-17.12	≤8.00	PASS
11N20MIMO	Ant1	2437	-20.19	≤8.00	PASS
11N20MIMO	Ant2	2437	-20.96	≤8.00	PASS
11N20MIMO	total	2437	-17.55	≤8.00	PASS
11N20MIMO	Ant1	2462	-20.01	≤8.00	PASS
11N20MIMO	Ant2	2462	-20.60	≤8.00	PASS
11N20MIMO	total	2462	-17.28	≤8.00	PASS
11N40MIMO	Ant2	2422	-26.23	≤8.00	PASS
11N40MIMO	total	2422	-22.71	≤8.00	PASS
11N40MIMO	Ant1	2422	-25.57	≤8.00	PASS
11N40MIMO	Ant1	2437	-22.92	≤8.00	PASS
11N40MIMO	Ant2	2437	-23.26	≤8.00	PASS
11N40MIMO	total	2437	-20.08	≤8.00	PASS
11N40MIMO	Ant1	2452	-25.56	≤8.00	PASS
11N40MIMO	Ant2	2452	-26.01	≤8.00	PASS
11N40MIMO	total	2452	-22.77	≤8.00	PASS
11AX20MIMO	Ant1	2412	-20.48	≤8.00	PASS
11AX20MIMO	Ant2	2412	-21.34	≤8.00	PASS
11AX20MIMO	total	2412	-17.88	≤8.00	PASS
11AX20MIMO	Ant1	2437	-21.16	≤8.00	PASS

11AX20MIMO	Ant2	2437	-21.45	≤8.00	PASS
11AX20MIMO	total	2437	-18.29	≤8.00	PASS
11AX20MIMO	Ant1	2462	-20.98	≤8.00	PASS
11AX20MIMO	Ant2	2462	-21.78	≤8.00	PASS
11AX20MIMO	total	2462	-18.35	≤8.00	PASS
11AX40MIMO	Ant1	2422	-26.69	≤8.00	PASS
11AX40MIMO	Ant2	2422	-27.12	≤8.00	PASS
11AX40MIMO	total	2422	-23.89	≤8.00	PASS
11AX40MIMO	Ant1	2437	-23.95	≤8.00	PASS
11AX40MIMO	Ant2	2437	-24.35	≤8.00	PASS
11AX40MIMO	total	2437	-21.14	≤8.00	PASS
11AX40MIMO	Ant1	2452	-26.93	≤8.00	PASS
11AX40MIMO	Ant2	2452	-27.31	≤8.00	PASS
11AX40MIMO	total	2452	-24.11	≤8.00	PASS

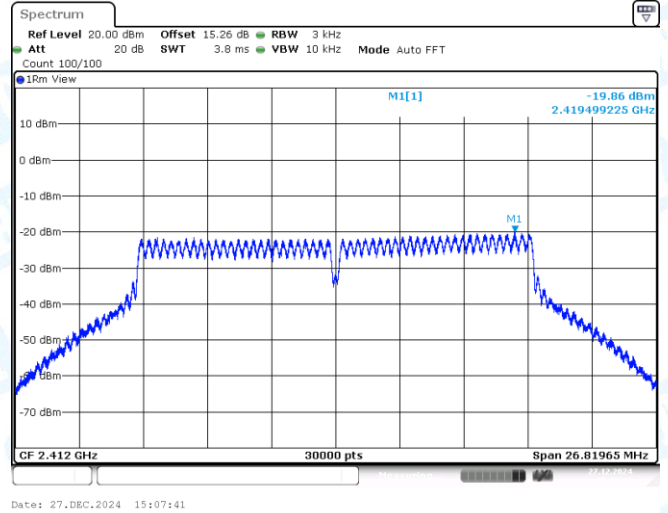
Note: The Duty Cycle Factor is compensated in the graph.

4.2 Test Graphs

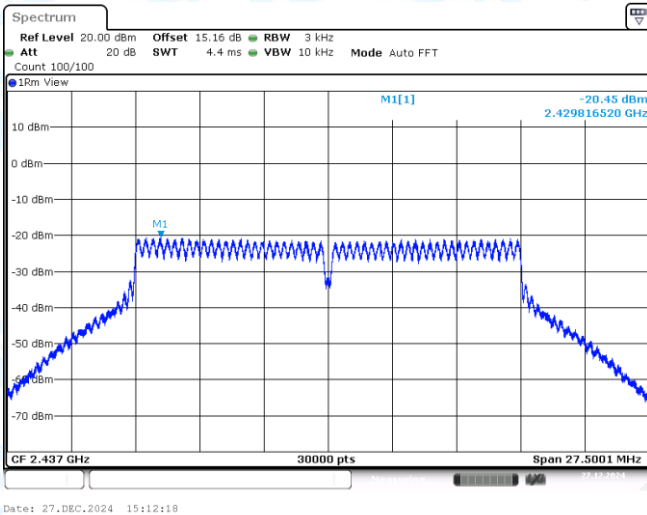




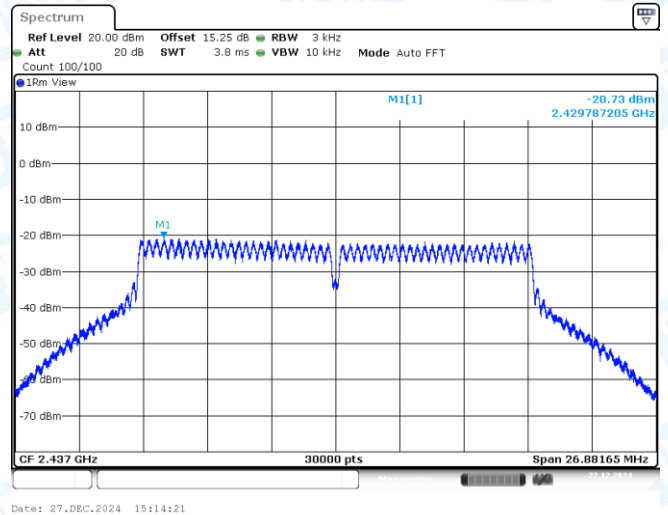
11G-CDD-Ant1-2412-PASS



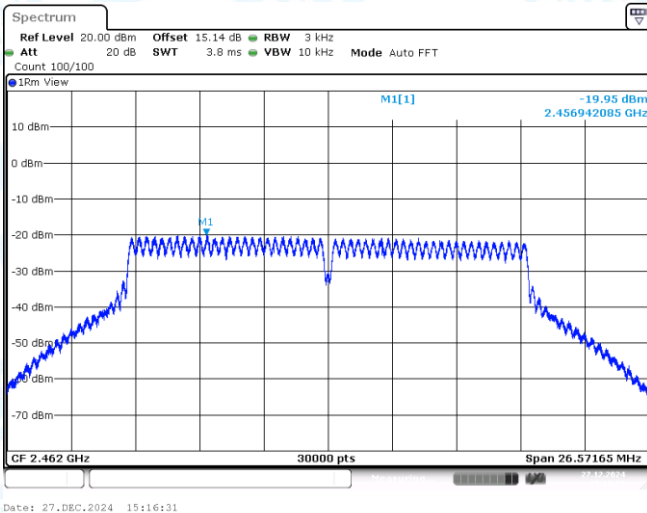
11G-CDD-Ant2-2412-PASS



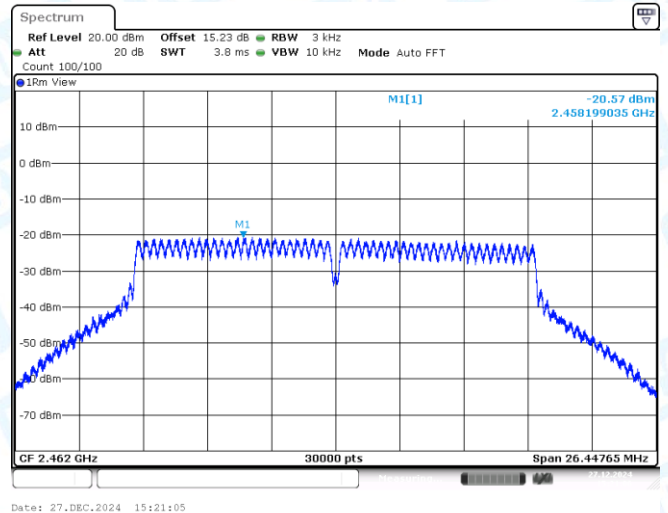
11G-CDD-Ant1-2437-PASS



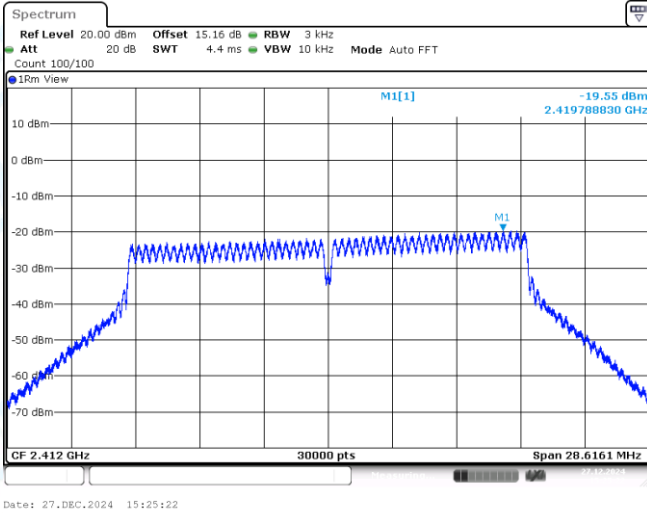
11G-CDD-Ant2-2437-PASS



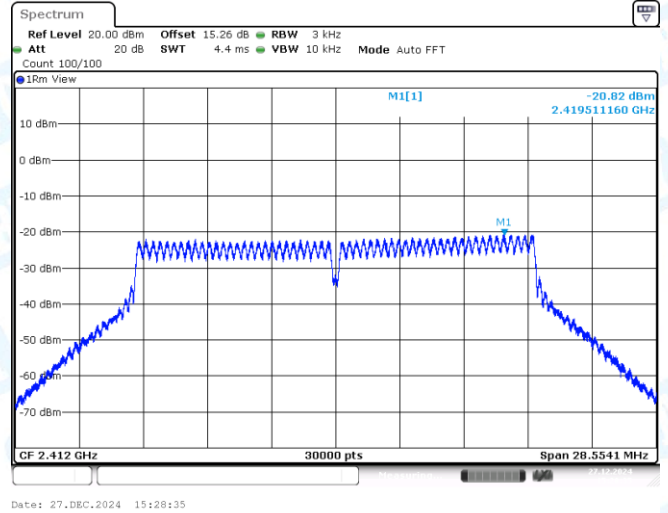
11G-CDD-Ant1-2462-PASS



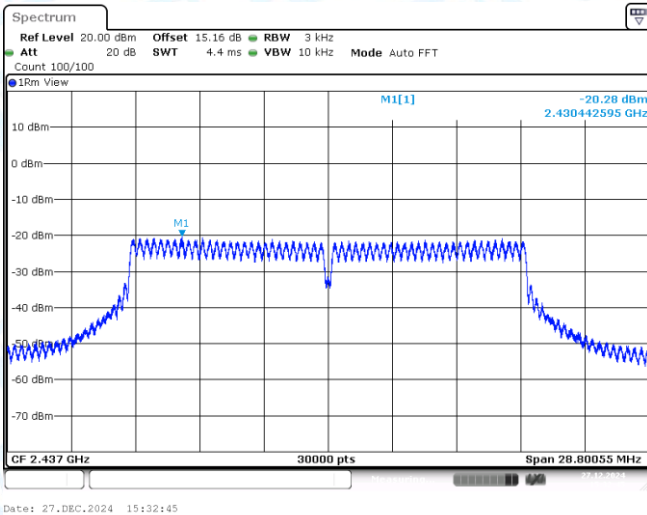
11G-CDD-Ant2-2462-PASS



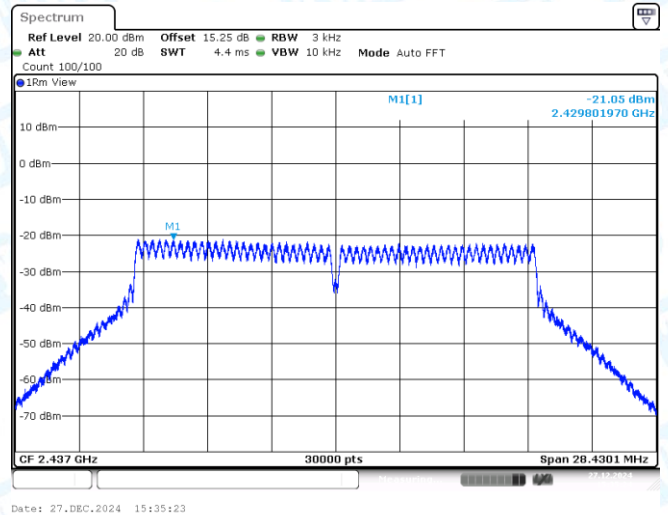
11N20MIMO-Ant1-2412-PASS



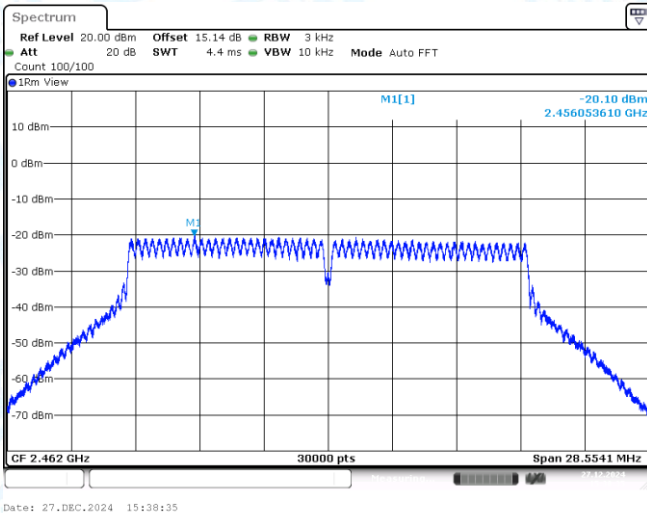
11N20MIMO-Ant2-2412-PASS



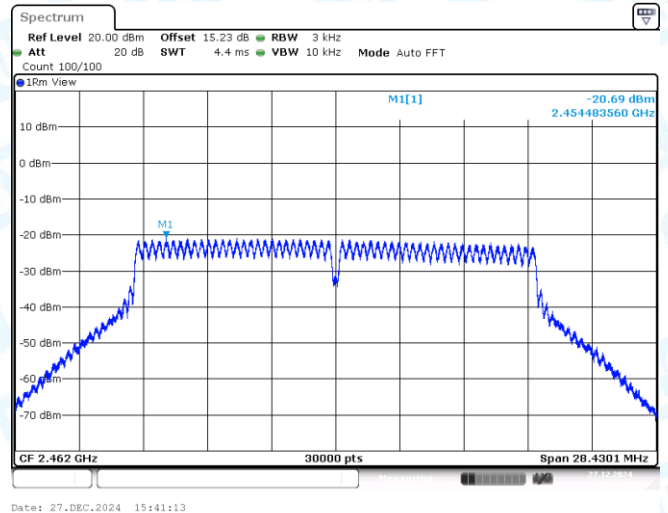
11N20MIMO-Ant1-2437-PASS



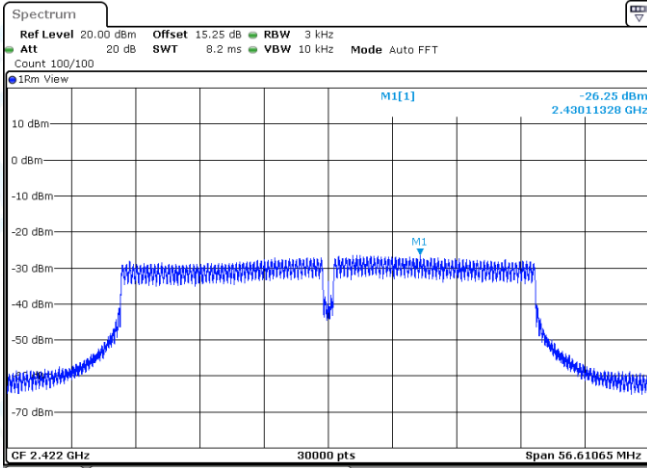
11N20MIMO-Ant2-2437-PASS



11N20MIMO-Ant1-2462-PASS

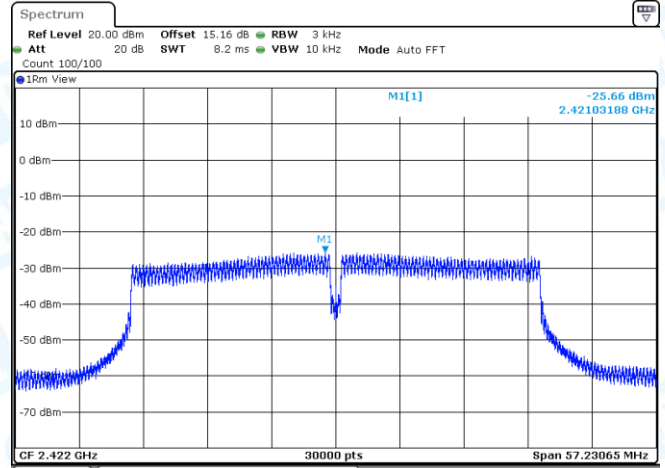


11N20MIMO-Ant2-2462-PASS



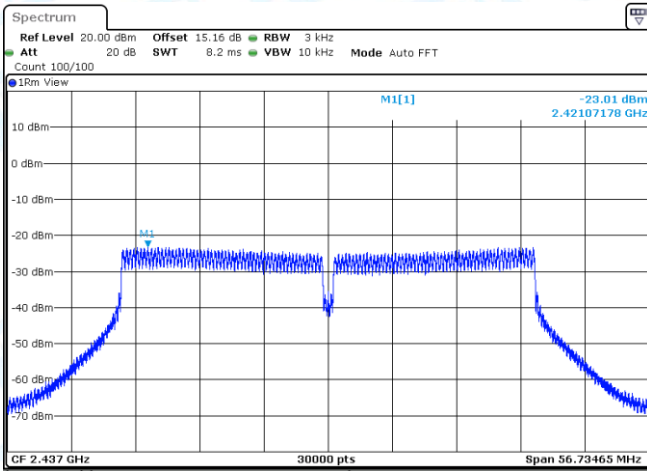
Date: 27.DEC.2024 15:48:38

11N40MIMO-Ant2-2422-PASS



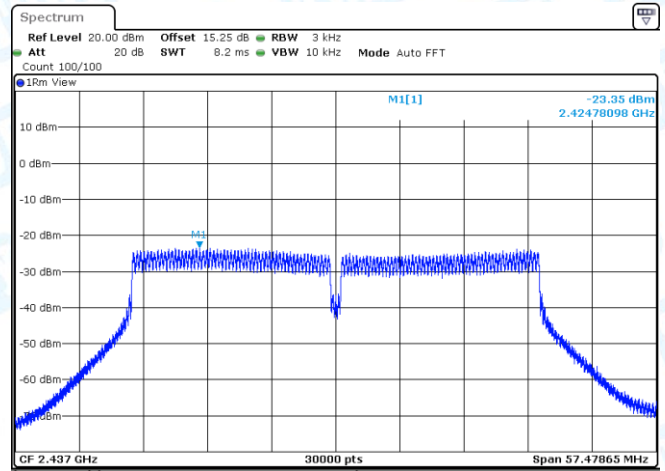
Date: 27.DEC.2024 16:44:34

11N40MIMO-Ant1-2422-PASS



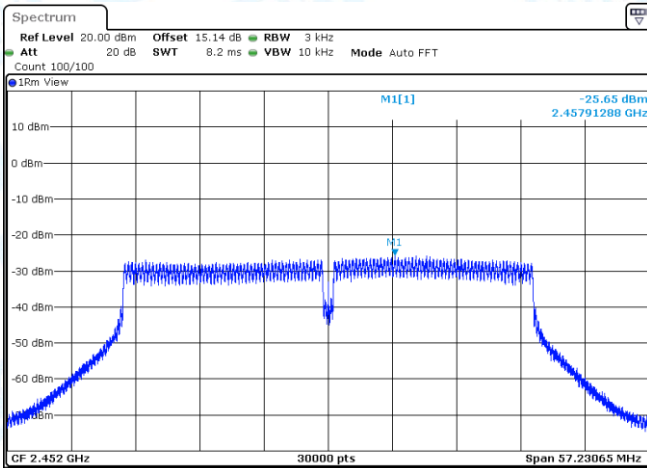
Date: 27.DEC.2024 16:32:20

11N40MIMO-Ant1-2437-PASS



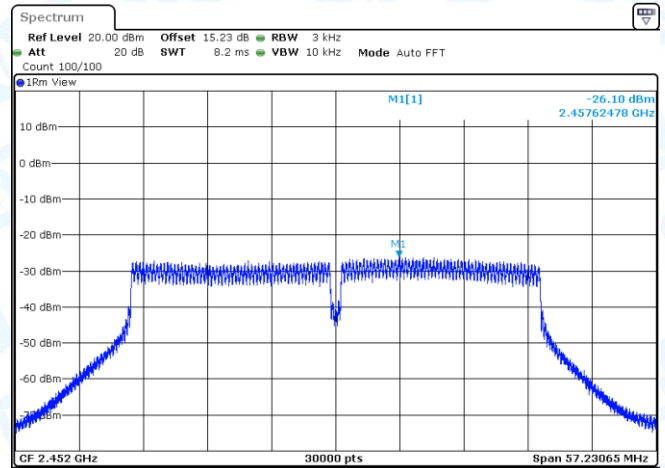
Date: 27.DEC.2024 16:33:48

11N40MIMO-Ant2-2437-PASS



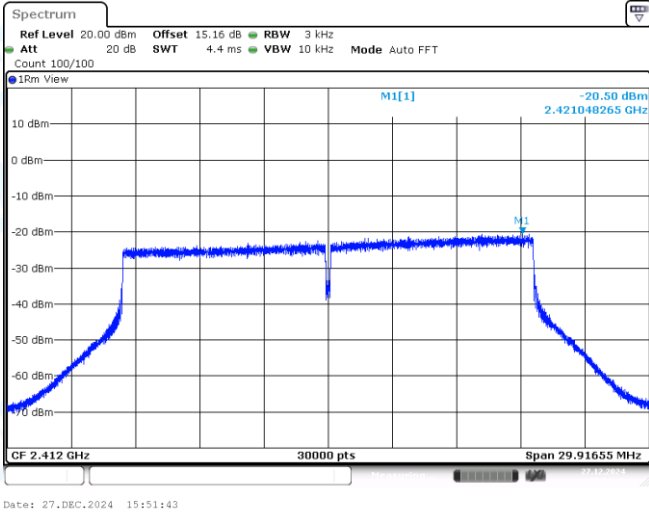
Date: 27.DEC.2024 16:37:26

11N40MIMO-Ant1-2452-PASS

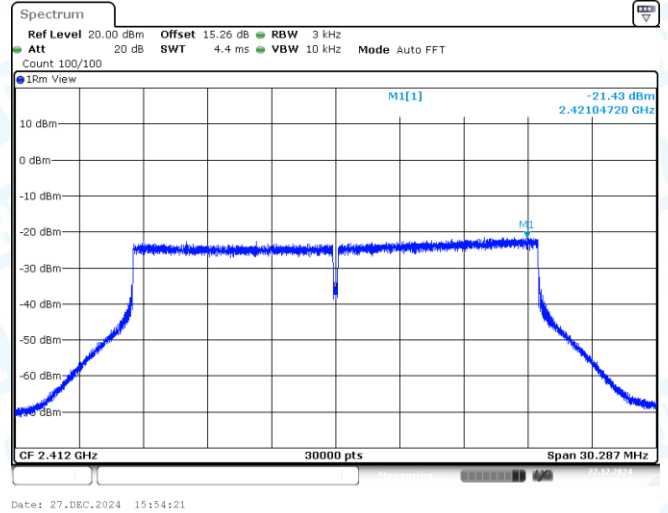


Date: 27.DEC.2024 16:40:05

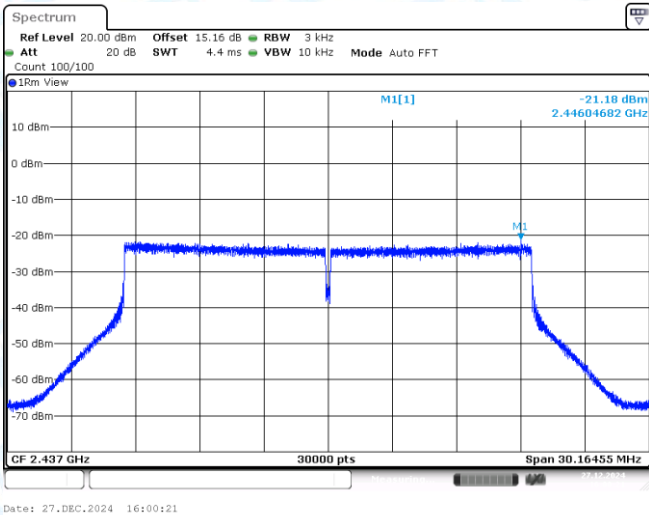
11N40MIMO-Ant2-2452-PASS



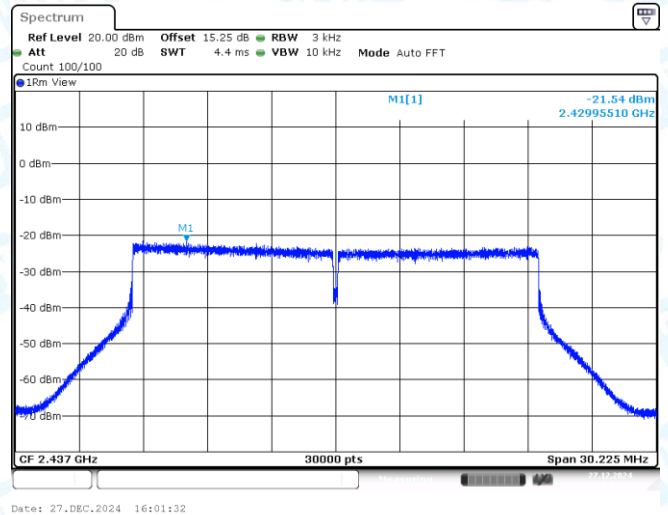
11AX20MIMO-Ant1-2412-PASS



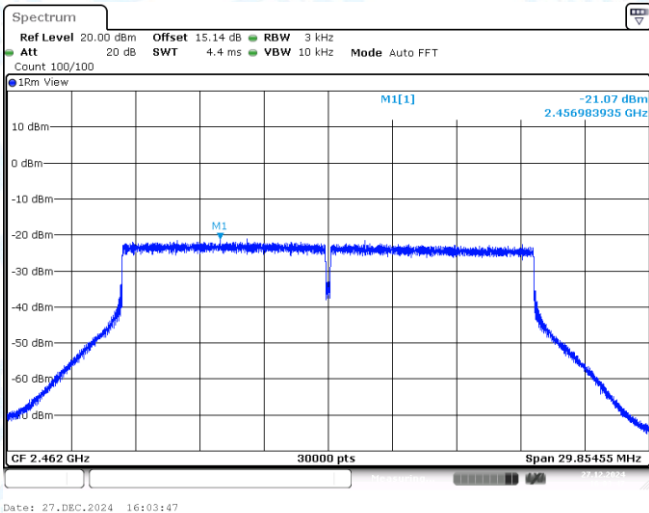
11AX20MIMO-Ant2-2412-PASS



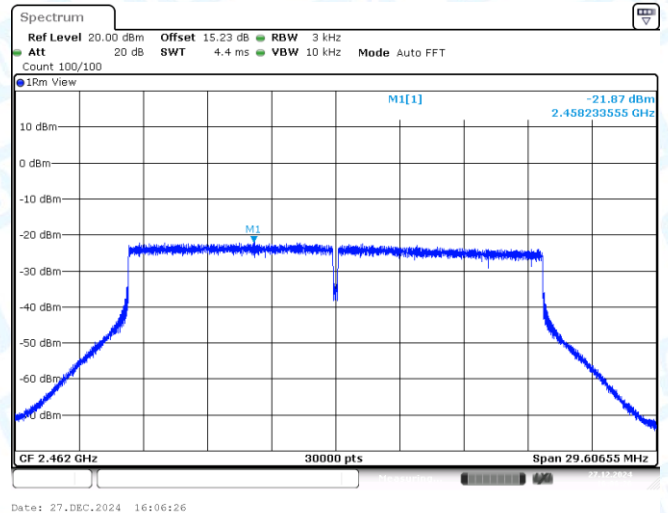
11AX20MIMO-Ant1-2437-PASS



11AX20MIMO-Ant2-2437-PASS



11AX20MIMO-Ant1-2462-PASS



11AX20MIMO-Ant2-2462-PASS