

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

General Description of EUT	
EUT Name:	Baby Monitor
Model:	SC374-WBD3-TX
Sample ID:	HC-C-202506-0230-03-01-2#
Environmental Conditions	
Ambient Temperature:	23.8℃
Ambient Humidity:	48%
Test Power Supply:	DC 5V
Test Engineer:	Rick. chen
Note: For a more detailed features description, please refer to the report TBR-C-202506-0230-11	

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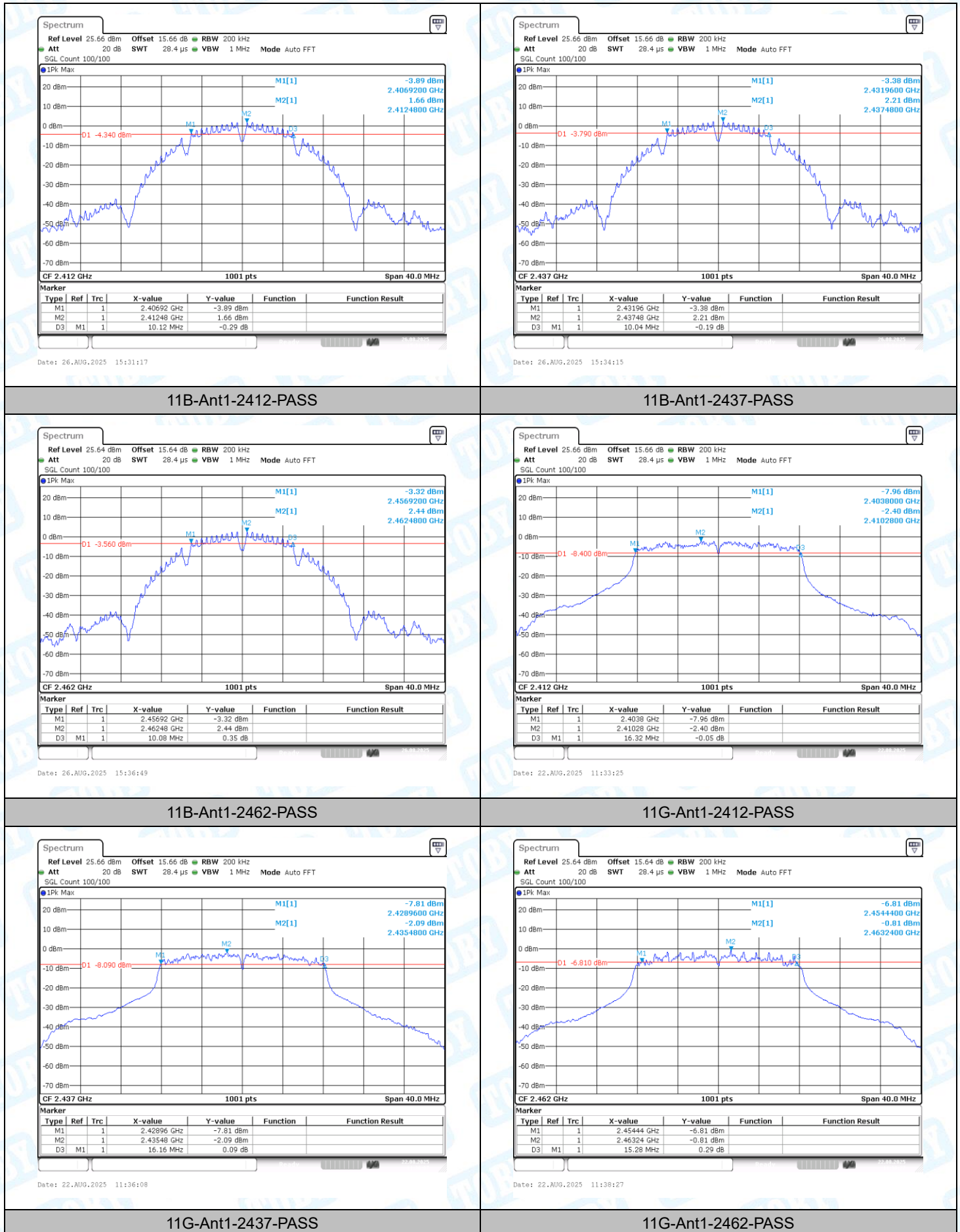
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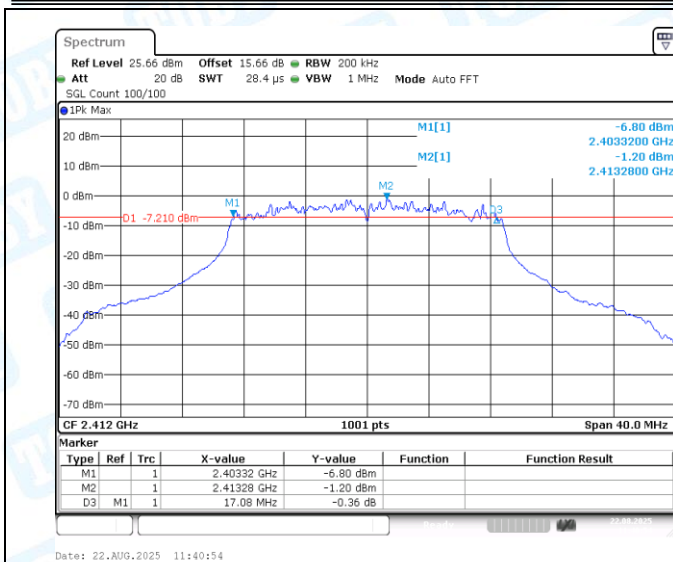
1: DTS Bandwidth

1.1 Test Result

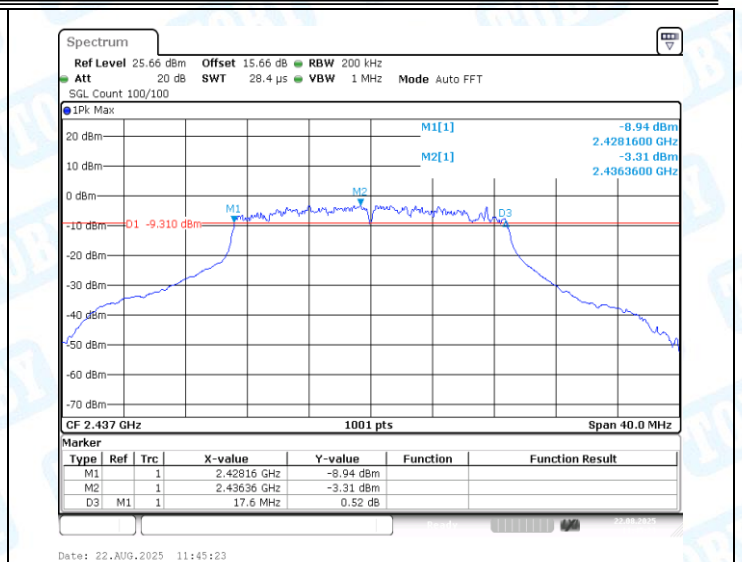
TestMode	Ant.	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.12	2406.92	2417.04	0.5	PASS
11B	Ant1	2437	10.04	2431.96	2442.00	0.5	PASS
11B	Ant1	2462	10.08	2456.92	2467.00	0.5	PASS
11G	Ant1	2412	16.32	2403.80	2420.12	0.5	PASS
11G	Ant1	2437	16.16	2428.96	2445.12	0.5	PASS
11G	Ant1	2462	15.28	2454.44	2469.72	0.5	PASS
11N20SISO	Ant1	2412	17.08	2403.32	2420.40	0.5	PASS
11N20SISO	Ant1	2437	17.60	2428.16	2445.76	0.5	PASS
11N20SISO	Ant1	2462	17.32	2453.24	2470.56	0.5	PASS
11N40SISO	Ant1	2422	35.76	2404.08	2439.84	0.5	PASS
11N40SISO	Ant1	2437	36.00	2419.00	2455.00	0.5	PASS
11N40SISO	Ant1	2452	36.00	2434.00	2470.00	0.5	PASS
11AX20SISO	Ant1	2412	18.96	2402.52	2421.48	0.5	PASS
11AX20SISO	Ant1	2437	19.12	2427.36	2446.48	0.5	PASS
11AX20SISO	Ant1	2462	18.92	2452.52	2471.44	0.5	PASS
11AX40SISO	Ant1	2422	37.52	2403.36	2440.88	0.5	PASS
11AX40SISO	Ant1	2437	37.36	2418.44	2455.80	0.5	PASS
11AX40SISO	Ant1	2452	37.76	2433.12	2470.88	0.5	PASS

1.2 Test Graphs

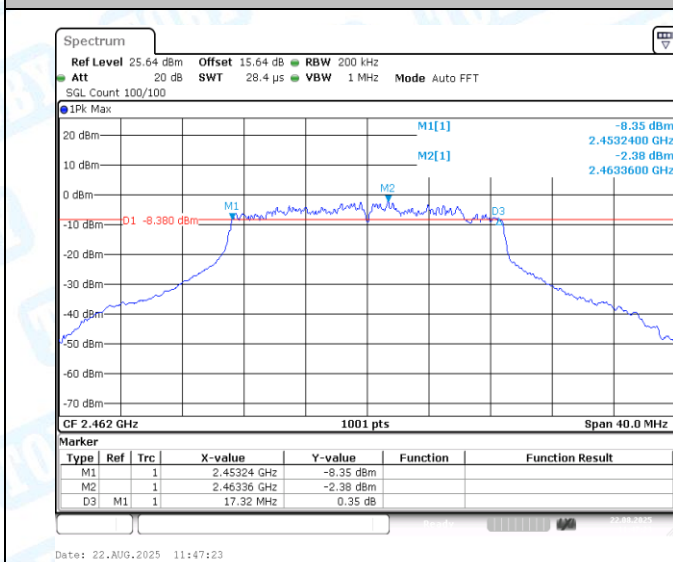




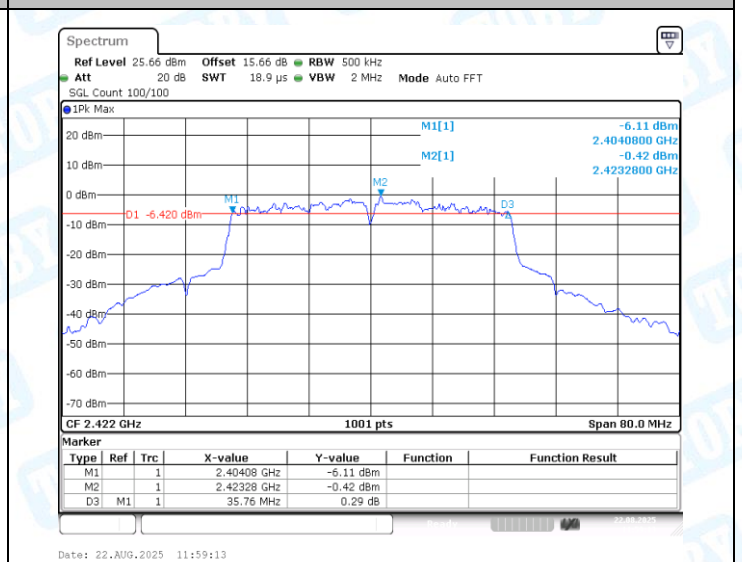
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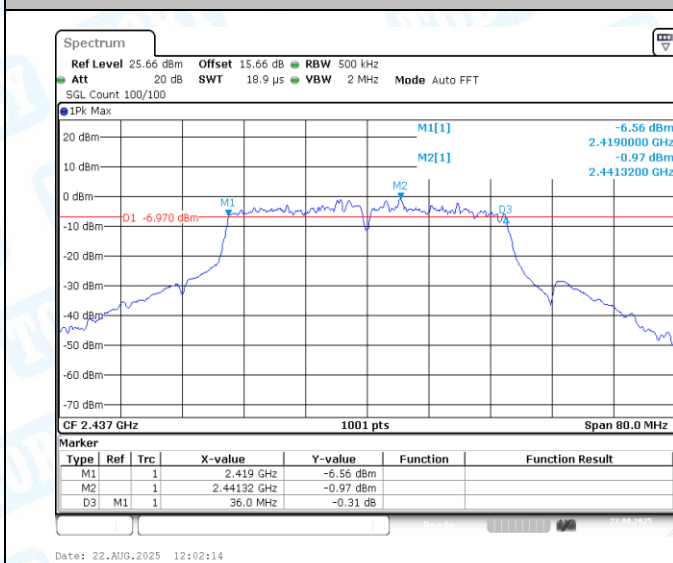
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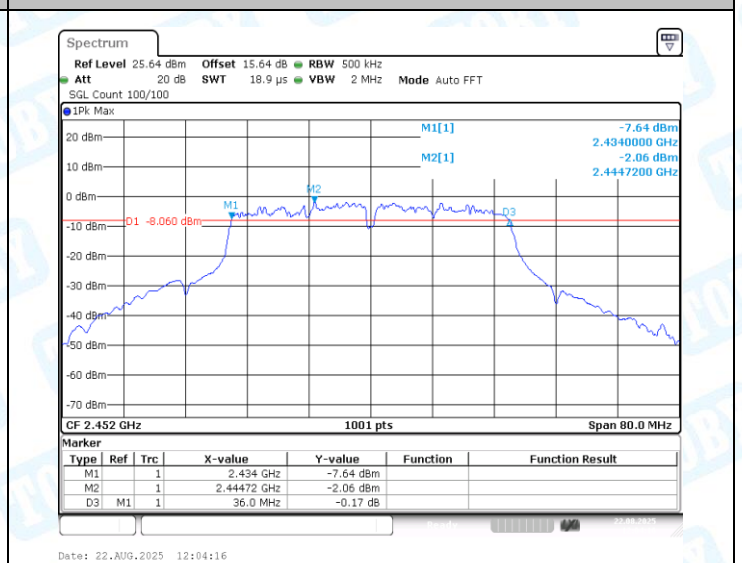
11N20SISO-Ant1-2462-PASS



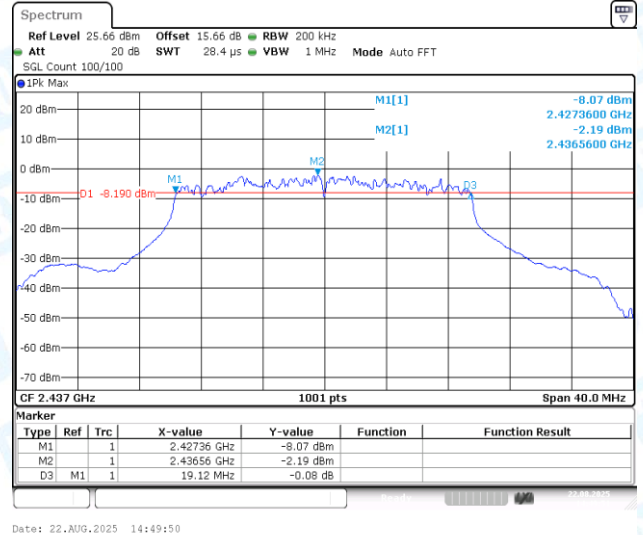
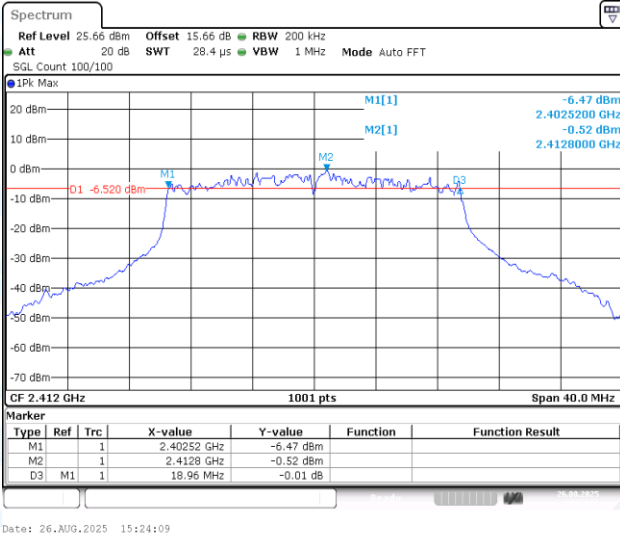
11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS

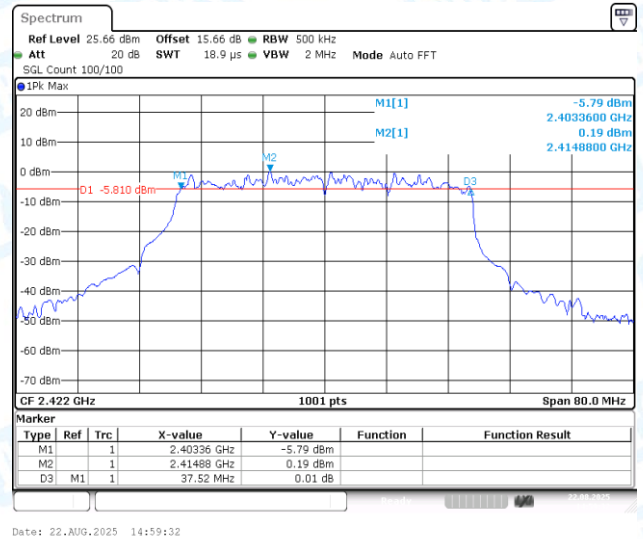
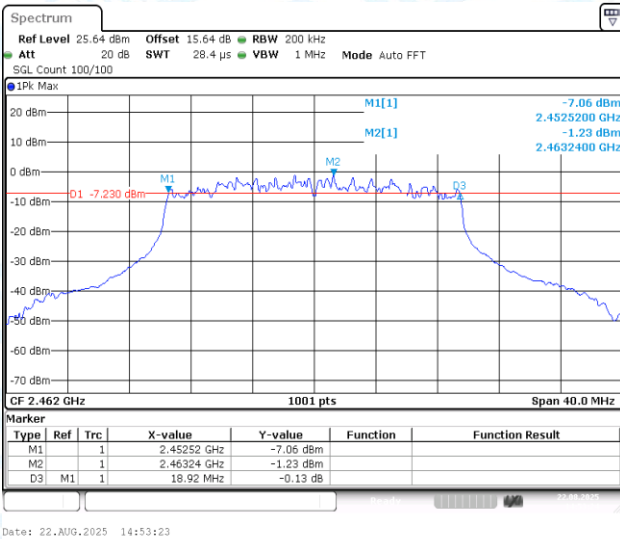


11N40SISO-Ant1-2452-PASS



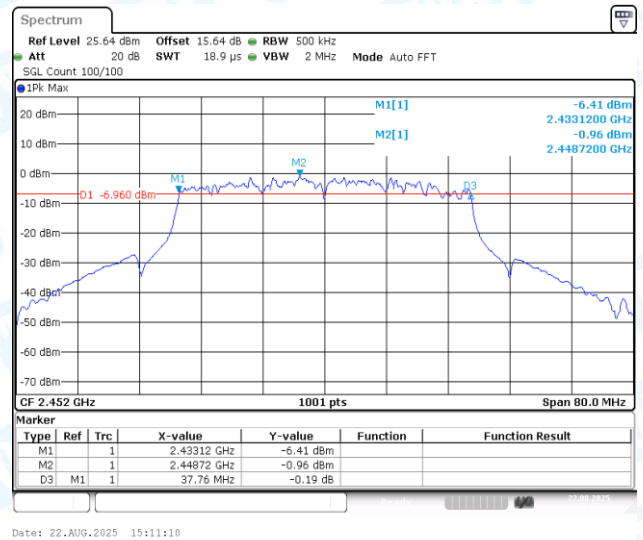
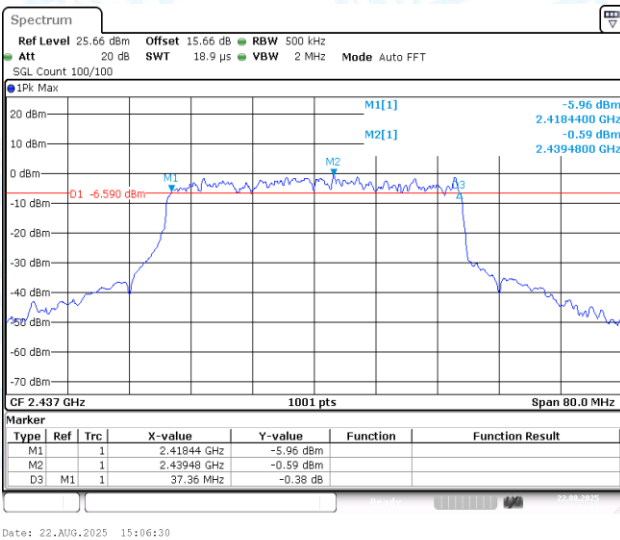
11AX20SISO-Ant1-2412-PASS

11AX20SISO-Ant1-2437-PASS



11AX20SISO-Ant1-2462-PASS

11AX40SISO-Ant1-2422-PASS



11AX40SISO-Ant1-2437-PASS

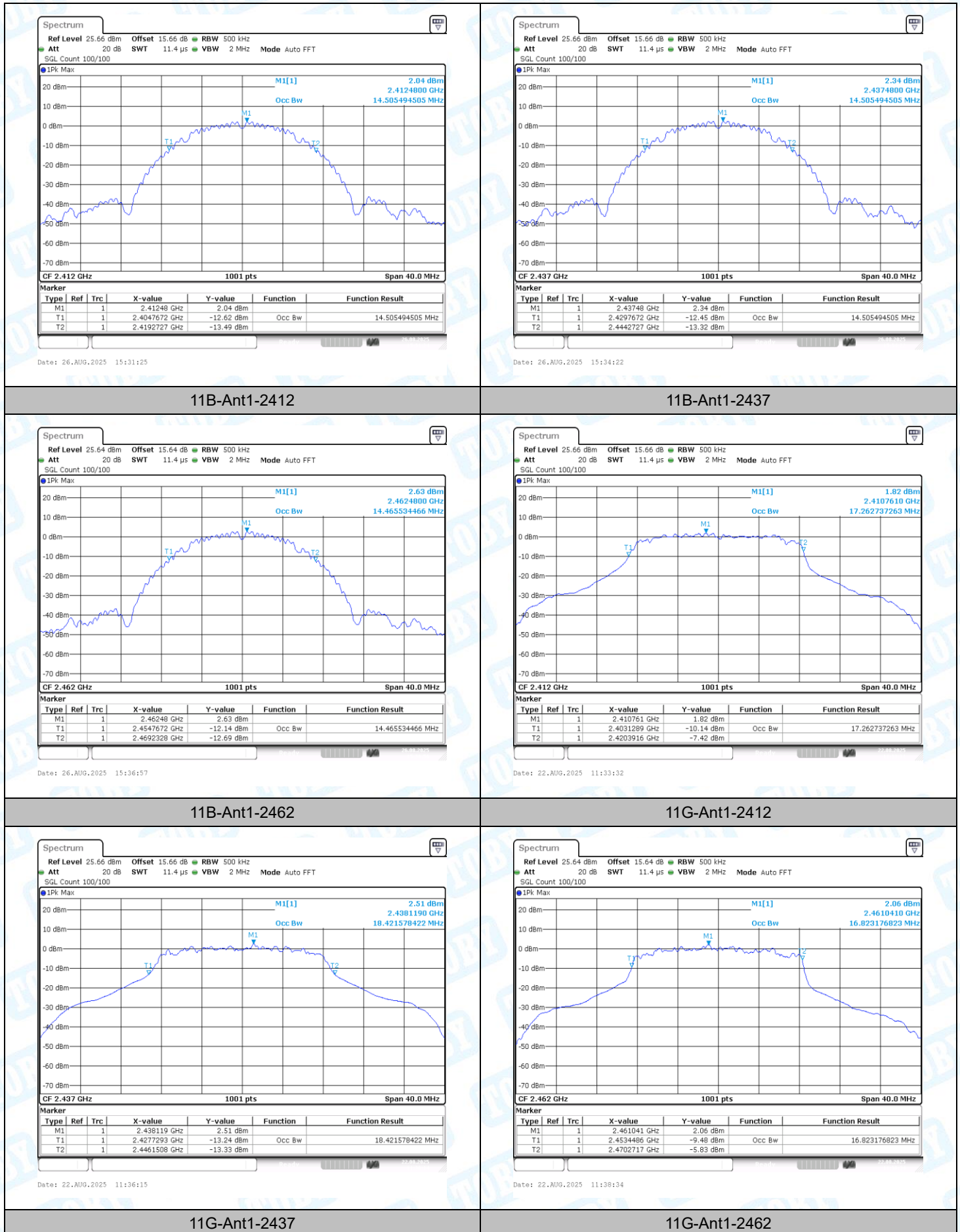
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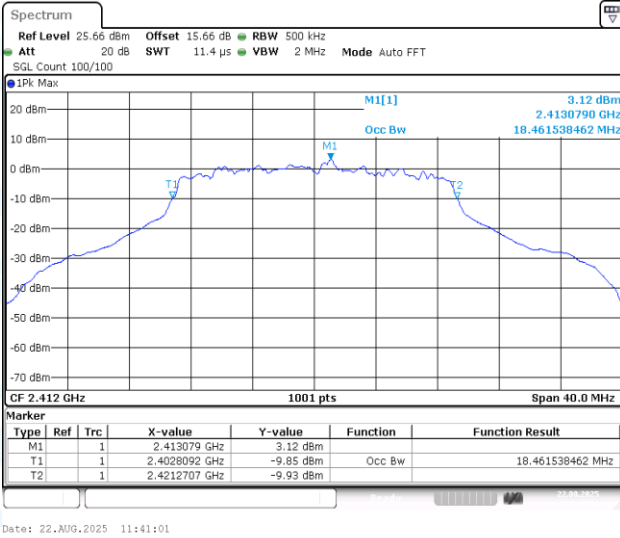
2: Occupied Channel Bandwidth

2.1 Test Result

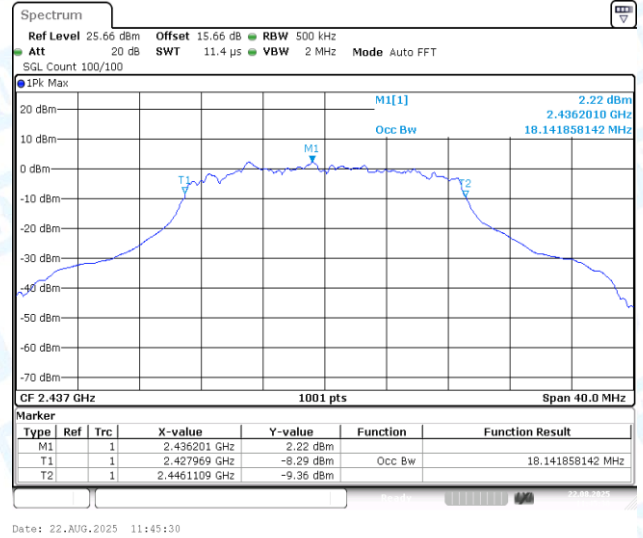
TestMode	Ant.	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.505	2404.7672	2419.2727	---	---
11B	Ant1	2437	14.505	2429.7672	2444.2727	---	---
11B	Ant1	2462	14.466	2454.7672	2469.2328	---	---
11G	Ant1	2412	17.263	2403.1289	2420.3916	---	---
11G	Ant1	2437	18.422	2427.7293	2446.1508	---	---
11G	Ant1	2462	16.823	2453.4486	2470.2717	---	---
11N20SISO	Ant1	2412	18.462	2402.8092	2421.2707	---	---
11N20SISO	Ant1	2437	18.142	2427.9690	2446.1109	---	---
11N20SISO	Ant1	2462	18.302	2452.6094	2470.9111	---	---
11N40SISO	Ant1	2422	36.603	2403.6983	2440.3017	---	---
11N40SISO	Ant1	2437	36.683	2418.3786	2455.0619	---	---
11N40SISO	Ant1	2452	36.843	2433.5385	2470.3816	---	---
11AX20SISO	Ant1	2412	19.061	2402.4895	2421.5504	---	---
11AX20SISO	Ant1	2437	18.981	2427.5295	2446.5105	---	---
11AX20SISO	Ant1	2462	19.141	2452.2897	2471.4306	---	---
11AX40SISO	Ant1	2422	38.122	2402.9790	2441.1009	---	---
11AX40SISO	Ant1	2437	37.802	2418.0589	2455.8611	---	---
11AX40SISO	Ant1	2452	37.882	2433.0589	2470.9411	---	---

2.2 Test Graphs

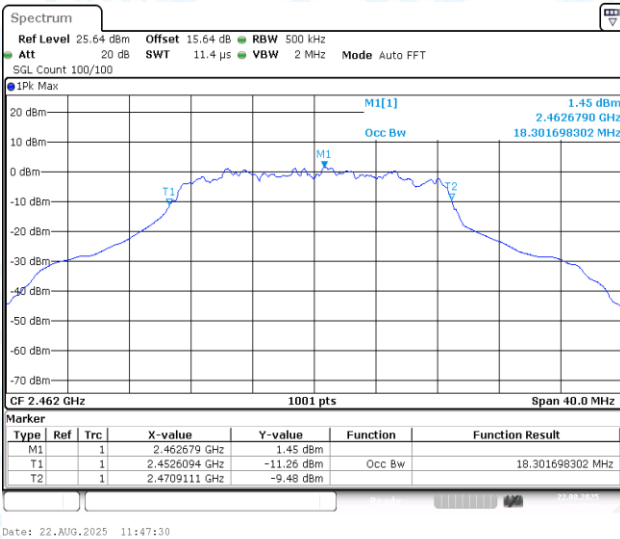




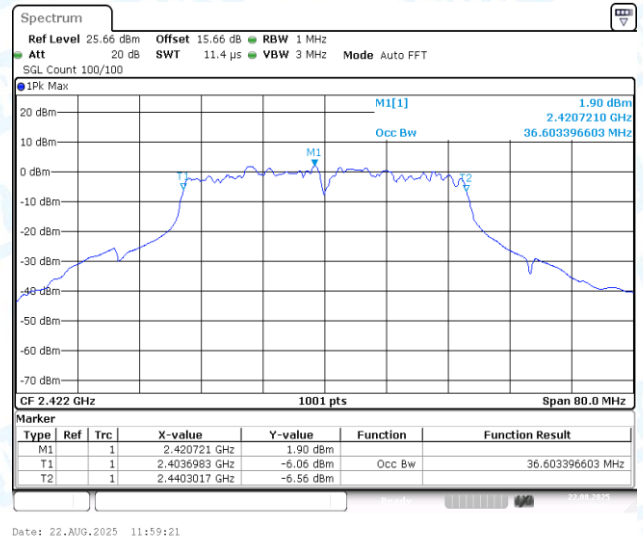
11N20SISO-Ant1-2412



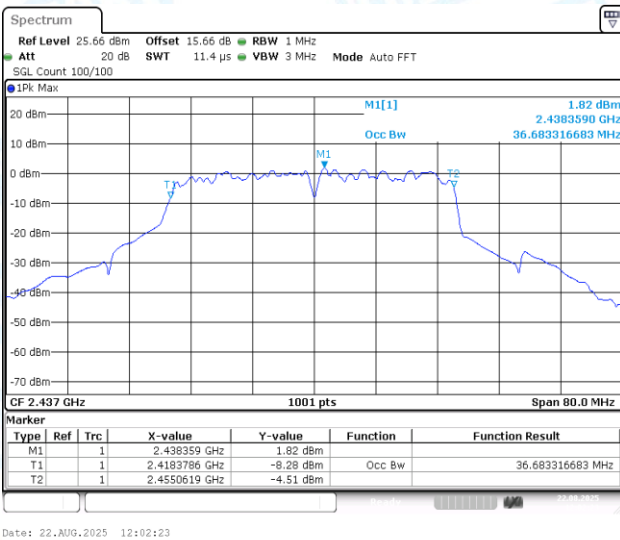
11N20SISO-Ant1-2437



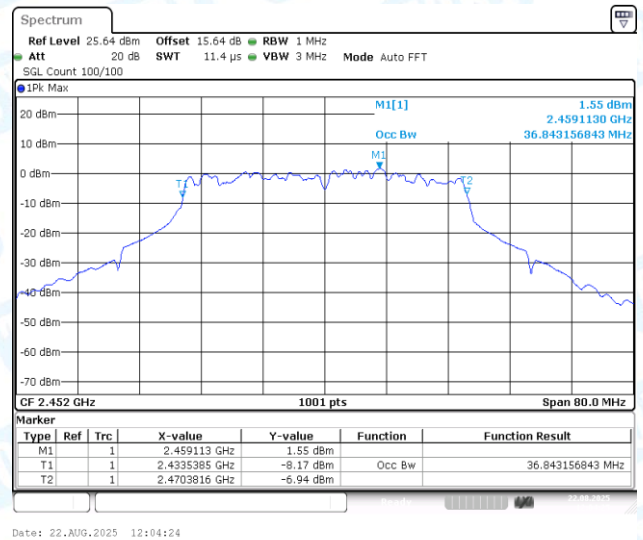
11N20SISO-Ant1-2462



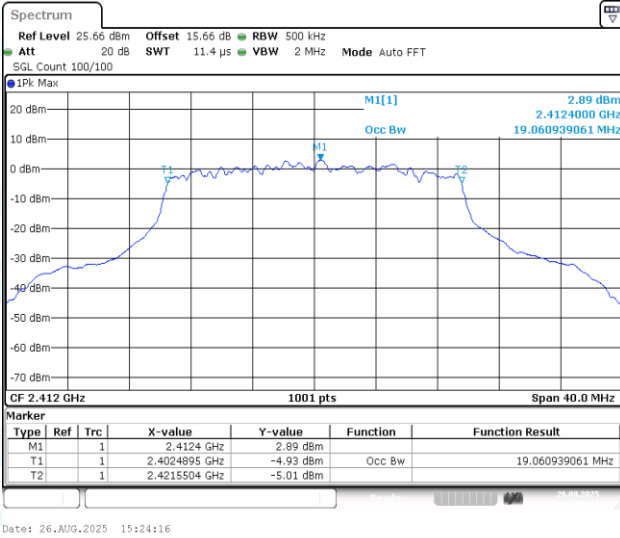
11N40SISO-Ant1-2422



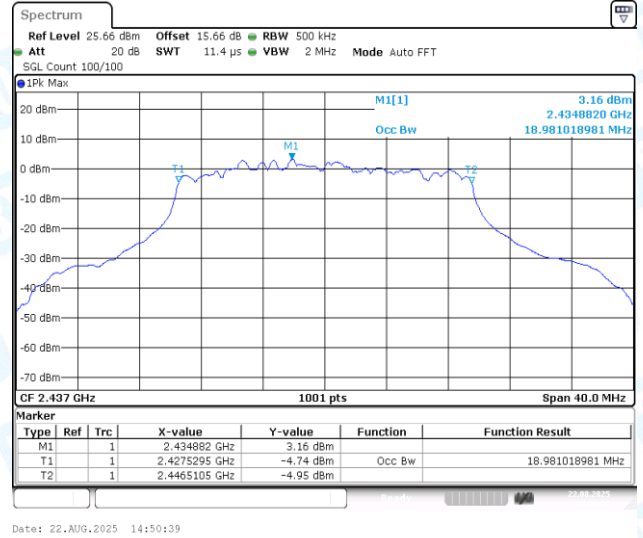
11N40SISO-Ant1-2437



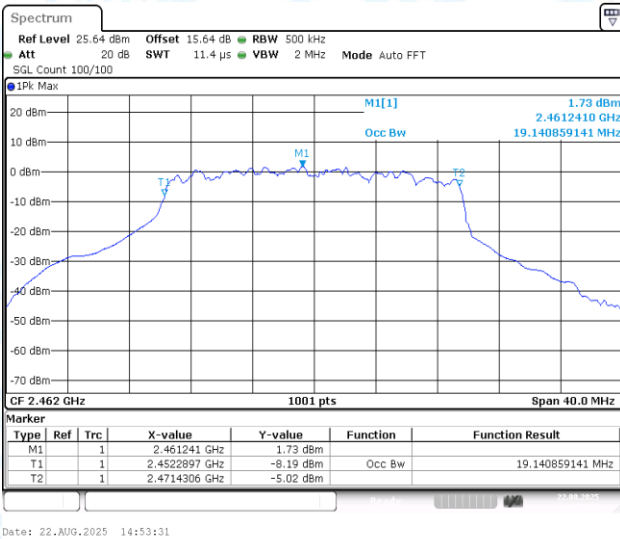
11N40SISO-Ant1-2452



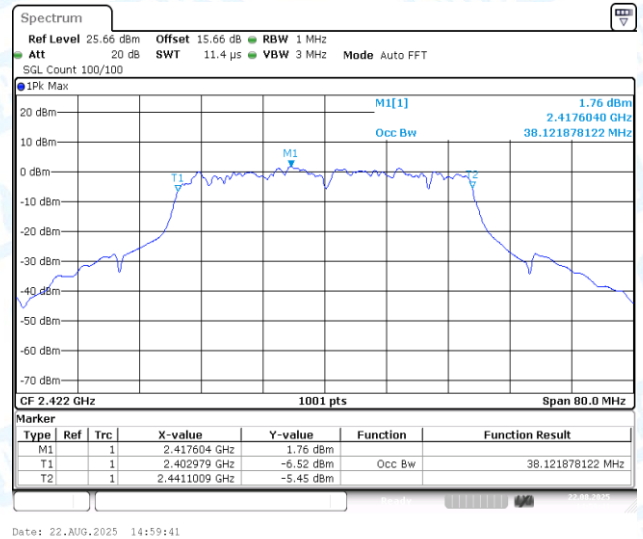
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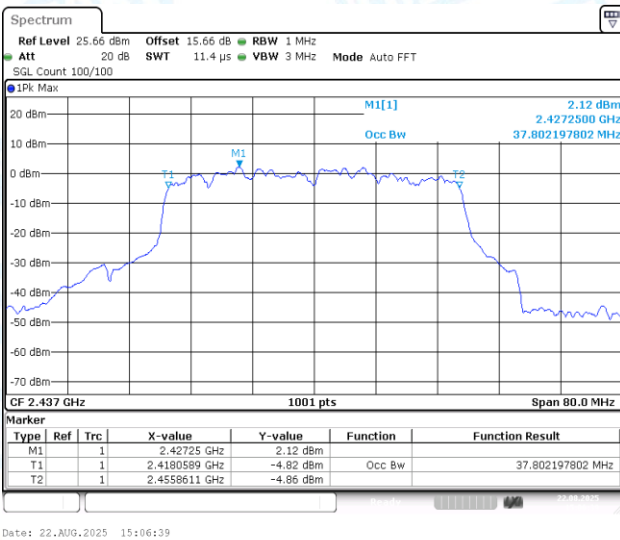
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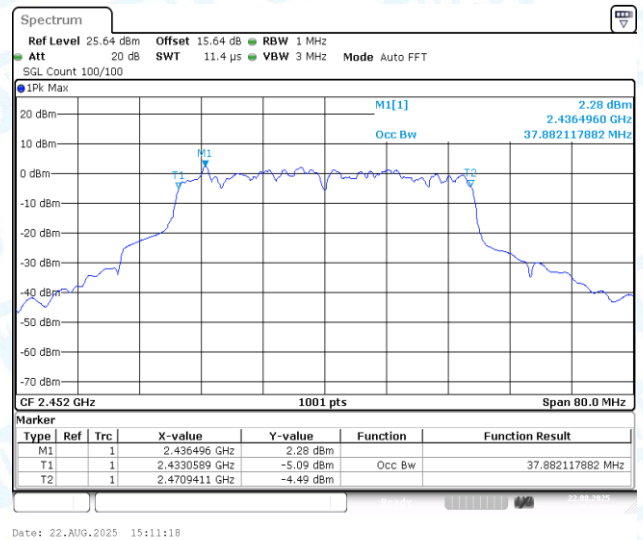
11AX20SISO-Ant1-2462



11AX40SISO-Ant1-2422



11AX40SISO-Ant1-2437



11AX40SISO-Ant1-2452

3: Maximum conducted output power

3.1 Test Result Average

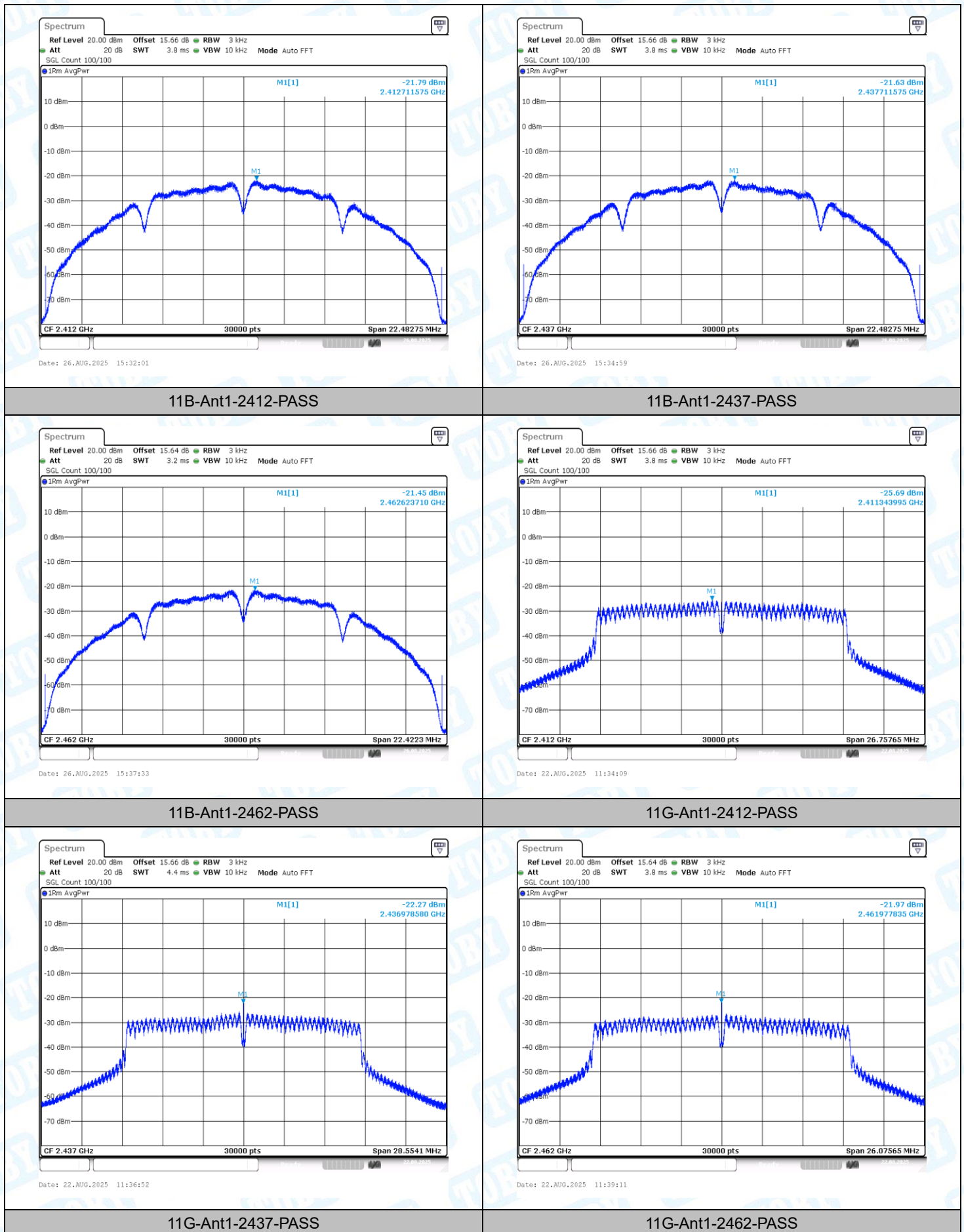
Test Mode	Ant.	Frequency [MHz]	Raw Power [dBm]	DC Factor	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	7.69	0.39	8.08	≤30.00	PASS
11B	Ant1	2437	7.94	0.38	8.32	≤30.00	PASS
11B	Ant1	2462	8.31	0.38	8.69	≤30.00	PASS
11G	Ant1	2412	7.78	1.89	9.67	≤30.00	PASS
11G	Ant1	2437	7.07	1.91	8.98	≤30.00	PASS
11G	Ant1	2462	6.48	1.89	8.37	≤30.00	PASS
11N20SISO	Ant1	2412	7.34	2.00	9.34	≤30.00	PASS
11N20SISO	Ant1	2437	6.61	2.01	8.62	≤30.00	PASS
11N20SISO	Ant1	2462	6.65	2.01	6.65	≤30.00	PASS
11N40SISO	Ant1	2422	5.65	3.93	9.58	≤30.00	PASS
11N40SISO	Ant1	2437	4.79	3.43	8.22	≤30.00	PASS
11N40SISO	Ant1	2452	5.45	3.39	8.84	≤30.00	PASS
11AX20SISO	Ant1	2412	6.71	2.47	9.18	≤30.00	PASS
11AX20SISO	Ant1	2437	6.17	2.49	8.66	≤30.00	PASS
11AX20SISO	Ant1	2462	5.08	2.46	7.54	≤30.00	PASS
11AX40SISO	Ant1	2422	4.31	3.91	8.22	≤30.00	PASS
11AX40SISO	Ant1	2437	4.11	3.88	7.99	≤30.00	PASS
11AX40SISO	Ant1	2452	5.08	3.93	9.01	≤30.00	PASS

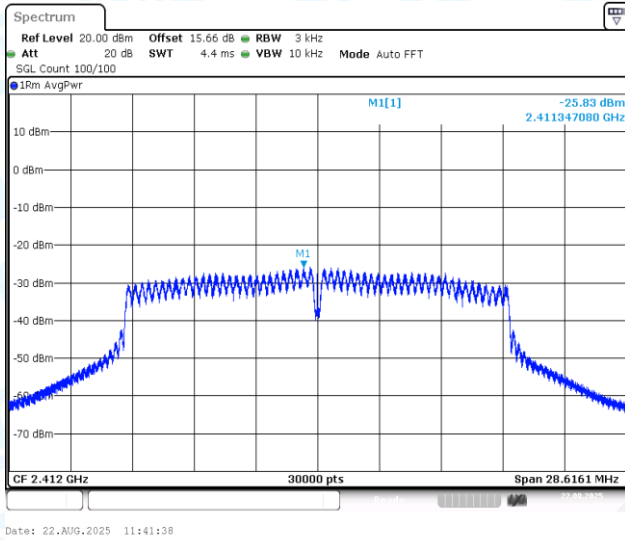
4: Maximum power spectral density

4.1 Test Result

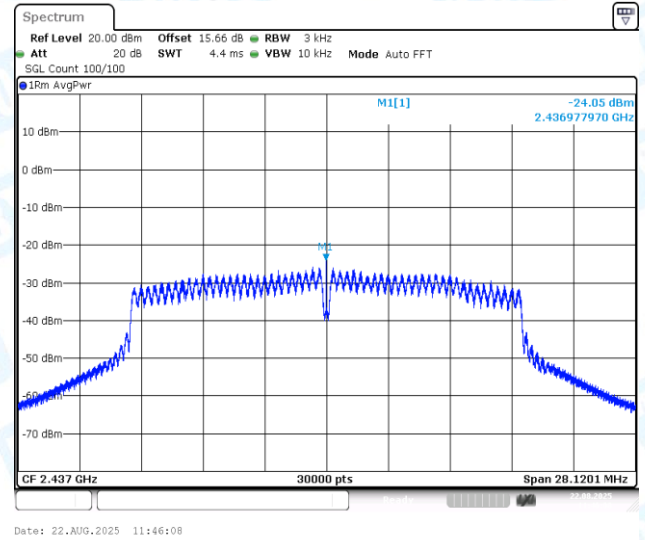
TestMode	Ant.	Frequency[MHz]	RawData [dBm/3kHz]	DC Factor	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-21.79	0.39	-21.40	≤8.00	PASS
11B	Ant1	2437	-21.63	0.38	-21.25	≤8.00	PASS
11B	Ant1	2462	-21.45	0.38	-21.07	≤8.00	PASS
11G	Ant1	2412	-25.69	1.89	-23.80	≤8.00	PASS
11G	Ant1	2437	-22.27	1.91	-20.36	≤8.00	PASS
11G	Ant1	2462	-21.97	1.89	-20.08	≤8.00	PASS
11N20SISO	Ant1	2412	-25.83	2.00	-23.83	≤8.00	PASS
11N20SISO	Ant1	2437	-24.05	2.01	-22.04	≤8.00	PASS
11N20SISO	Ant1	2462	-24.82	0.00	-24.82	≤8.00	PASS
11N40SISO	Ant1	2422	-24.08	3.93	-20.15	≤8.00	PASS
11N40SISO	Ant1	2437	-24.19	3.43	-20.76	≤8.00	PASS
11N40SISO	Ant1	2452	-30.12	3.39	-26.73	≤8.00	PASS
11AX20SISO	Ant1	2412	-25.38	2.47	-22.91	≤8.00	PASS
11AX20SISO	Ant1	2437	-26.29	2.49	-23.80	≤8.00	PASS
11AX20SISO	Ant1	2462	-25.13	2.46	-22.67	≤8.00	PASS
11AX40SISO	Ant1	2422	-26.91	3.91	-23.00	≤8.00	PASS
11AX40SISO	Ant1	2437	-24.42	3.88	-20.54	≤8.00	PASS
11AX40SISO	Ant1	2452	-28.83	3.93	-24.90	≤8.00	PASS

4.2 Test Graphs

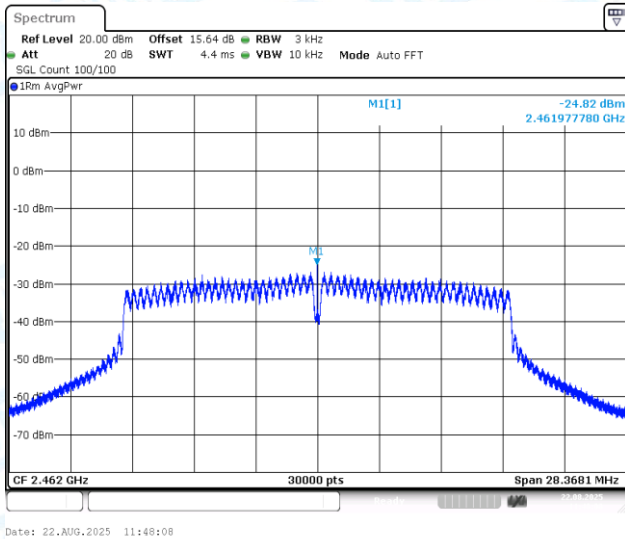




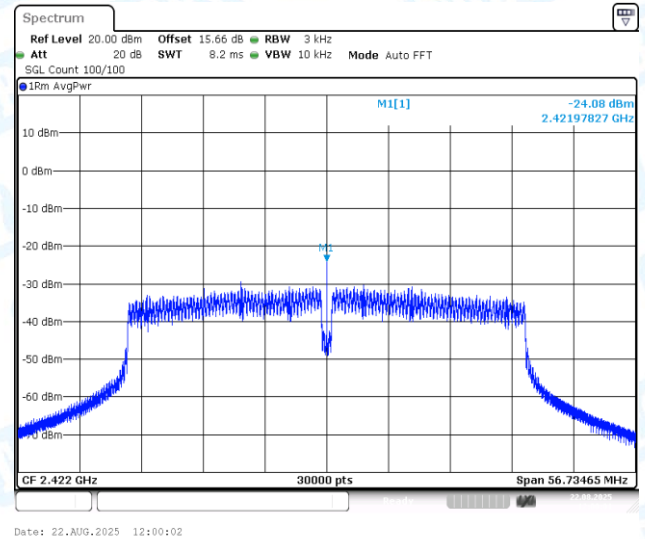
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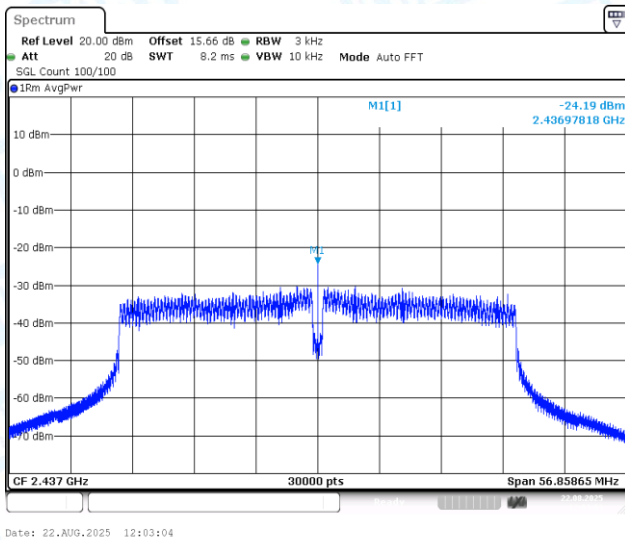
11N20SISO-Ant1-2437-PASS



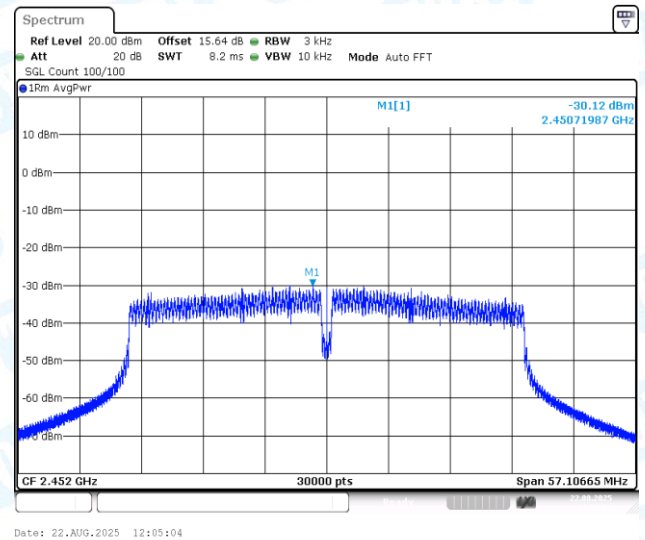
11N20SISO-Ant1-2462-PASS



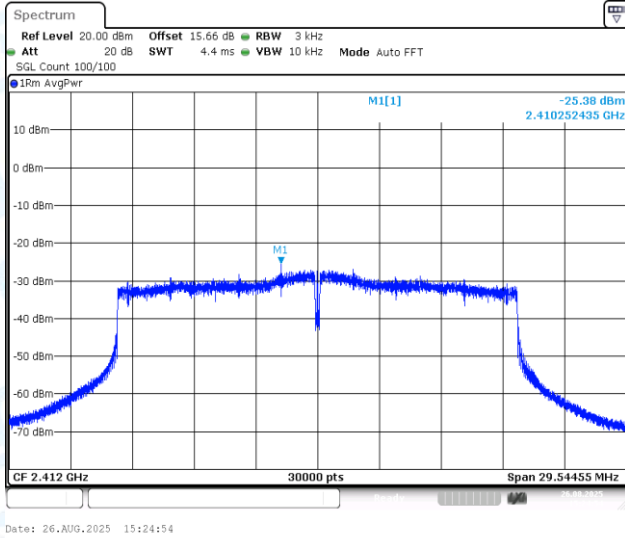
11N40SISO-Ant1-2422-PASS



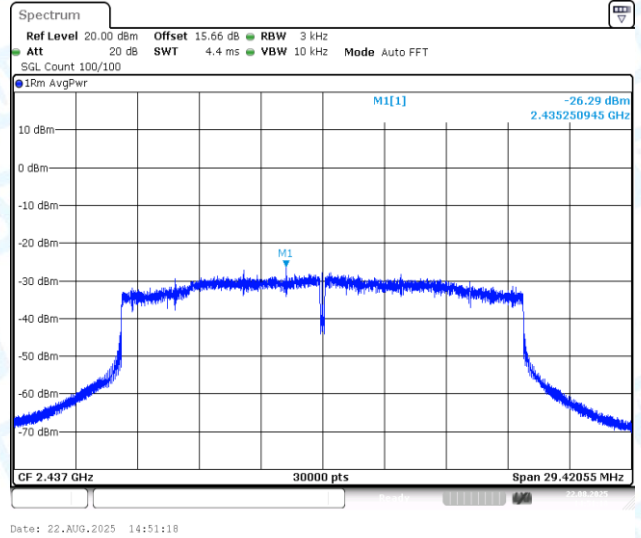
11N40SISO-Ant1-2437-PASS



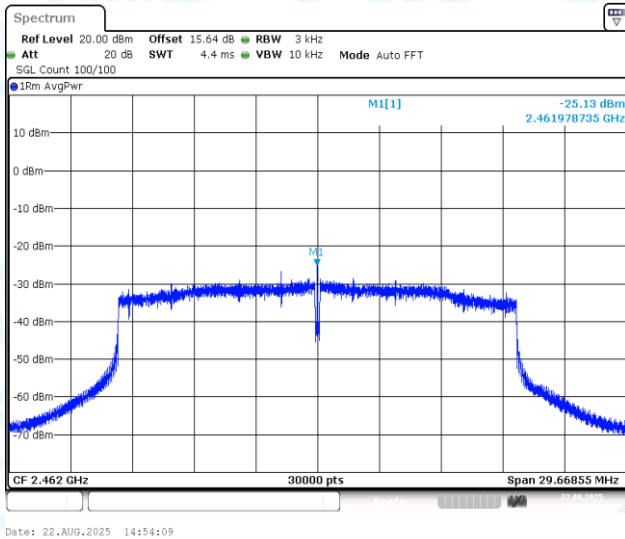
11N40SISO-Ant1-2452-PASS



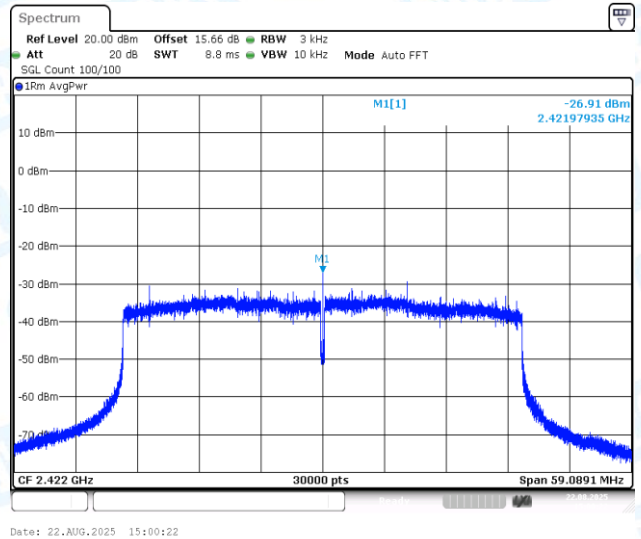
11AX20SISO-Ant1-2412-PASS



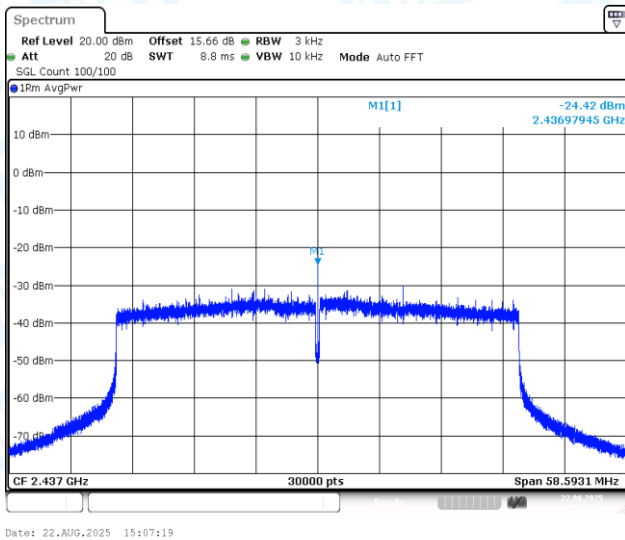
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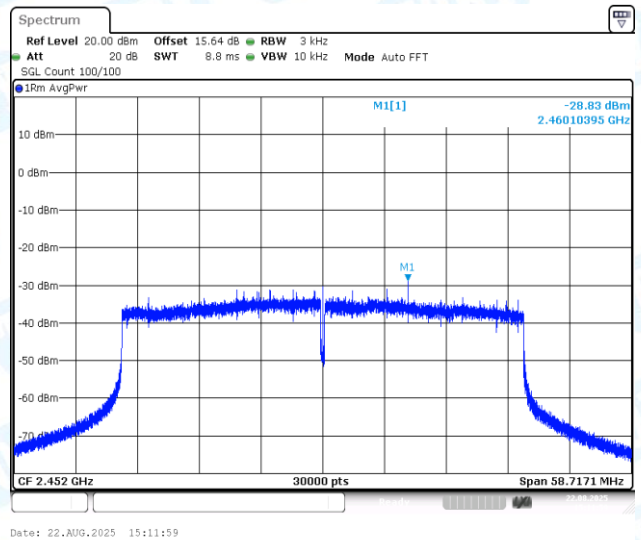
11AX20SISO-Ant1-2462-PASS



11AX40SISO-Ant1-2422-PASS



11AX40SISO-Ant1-2437-PASS



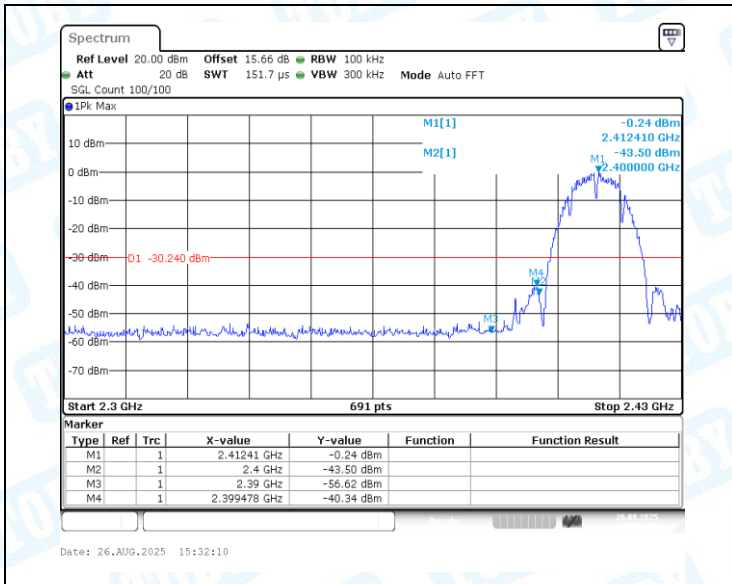
11AX40SISO-Ant1-2452-PASS

5: Band edge measurements

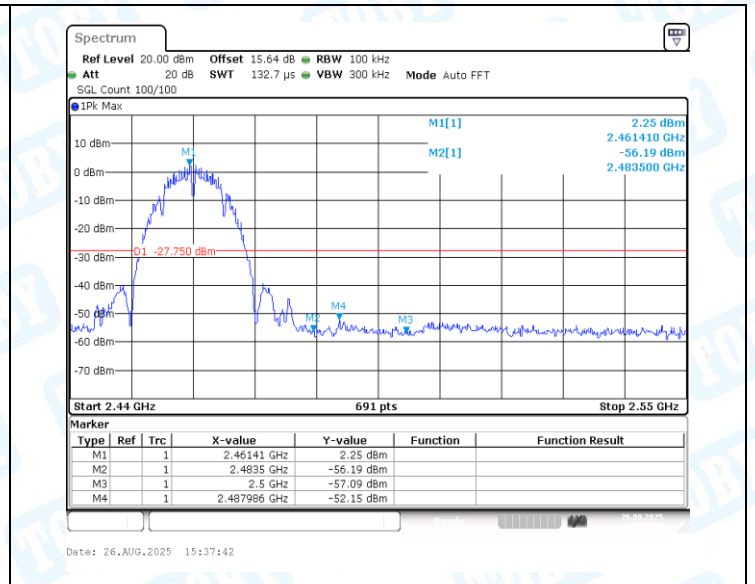
5.1 Test Result

TestMode	Ant.	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-0.24	-40.34	≤-30.24	PASS
11B	Ant1	High	2462	2.25	-52.15	≤-27.75	PASS
11G	Ant1	Low	2412	-2.32	-32.9	≤-32.32	PASS
11G	Ant1	High	2462	-5.05	-51.57	≤-35.05	PASS
11N20SISO	Ant1	Low	2412	-2.18	-33.41	≤-32.18	PASS
11N20SISO	Ant1	High	2462	-1.83	-51.88	≤-31.83	PASS
11N40SISO	Ant1	Low	2422	-6.15	-37.09	≤-36.15	PASS
11N40SISO	Ant1	High	2452	-7.42	-47.49	≤-37.42	PASS
11AX20SISO	Ant1	Low	2412	-4.01	-35.54	≤-34.01	PASS
11AX20SISO	Ant1	High	2462	-5.83	-51.65	≤-35.83	PASS
11AX40SISO	Ant1	Low	2422	-3.96	-39.97	≤-33.96	PASS
11AX40SISO	Ant1	High	2452	-5.34	-47.8	≤-35.34	PASS

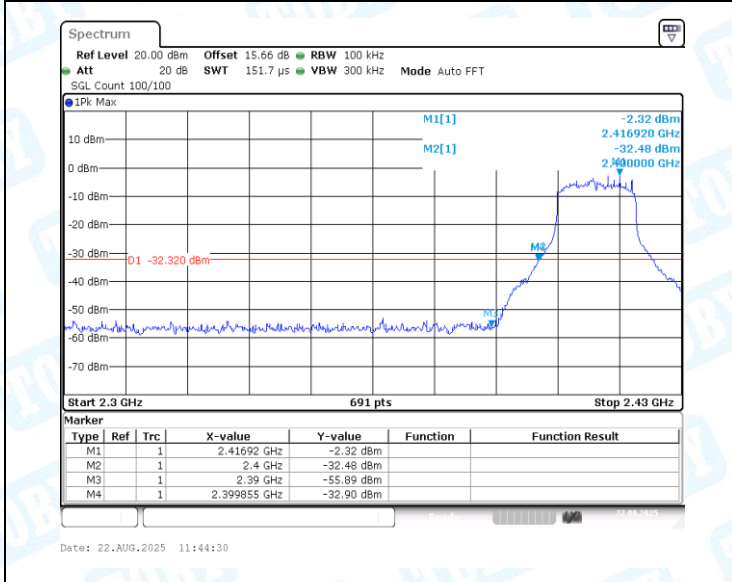
5.2 Test Graphs



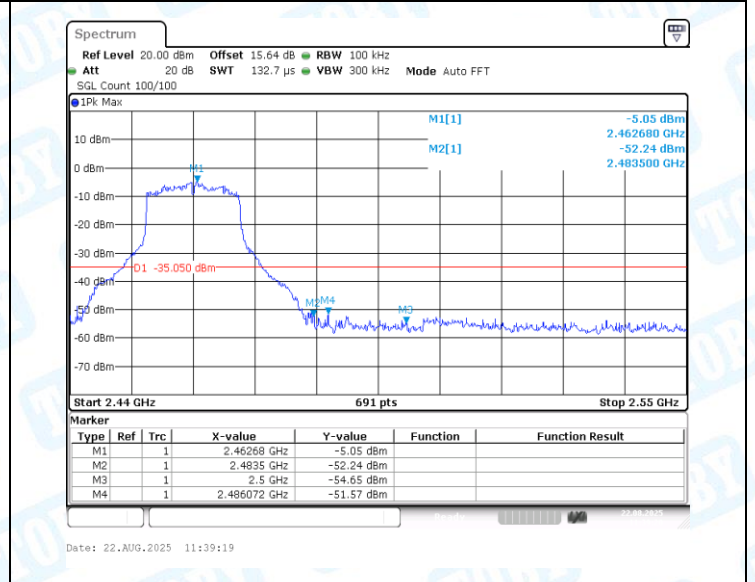
11B-Ant1-2412-PASS



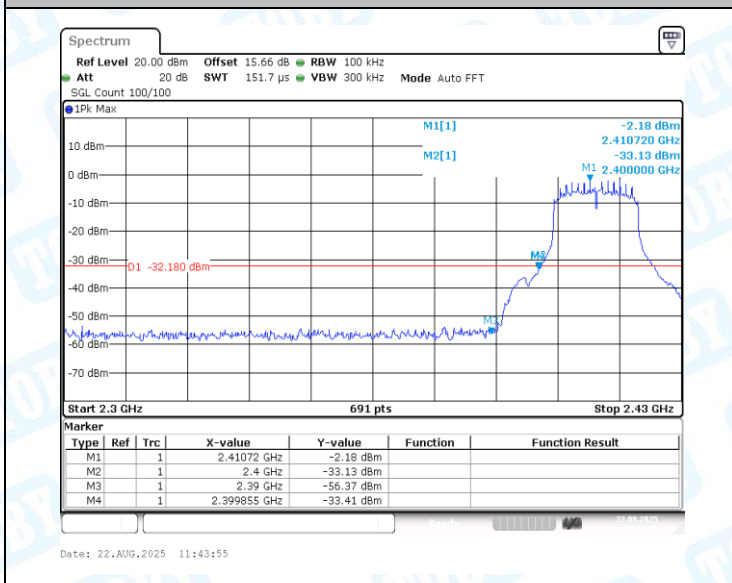
11B-Ant1-2462-PASS



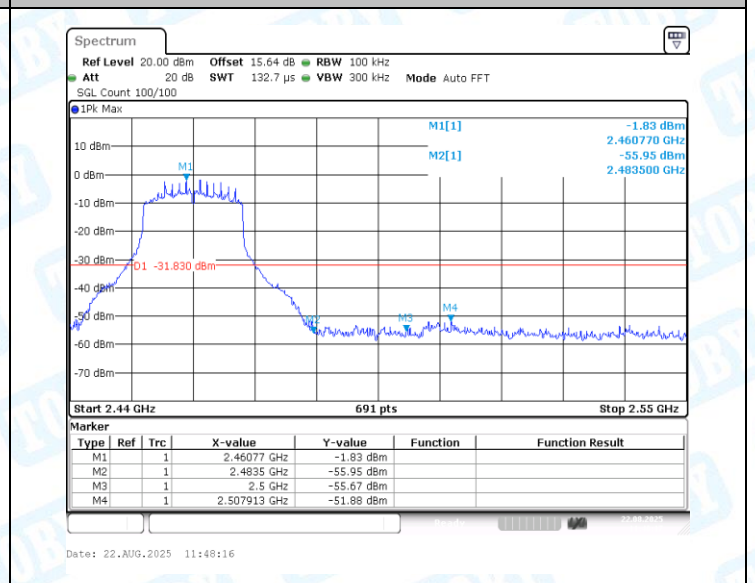
11G-Ant1-2412-PASS



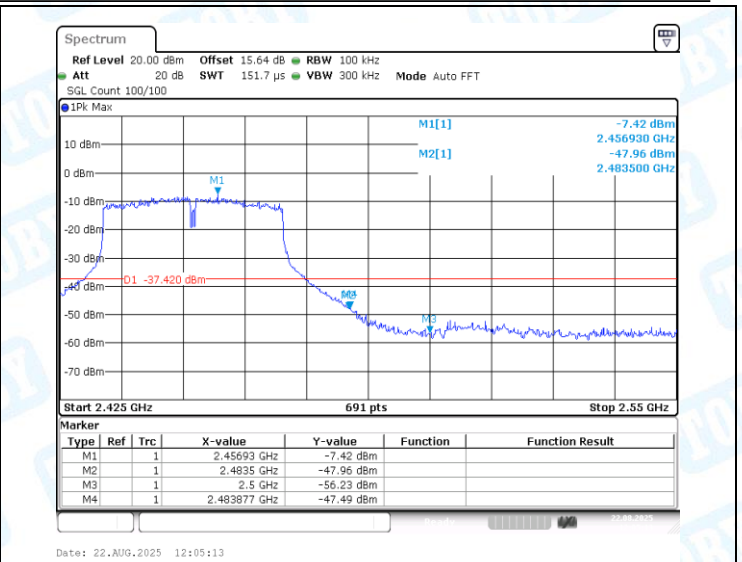
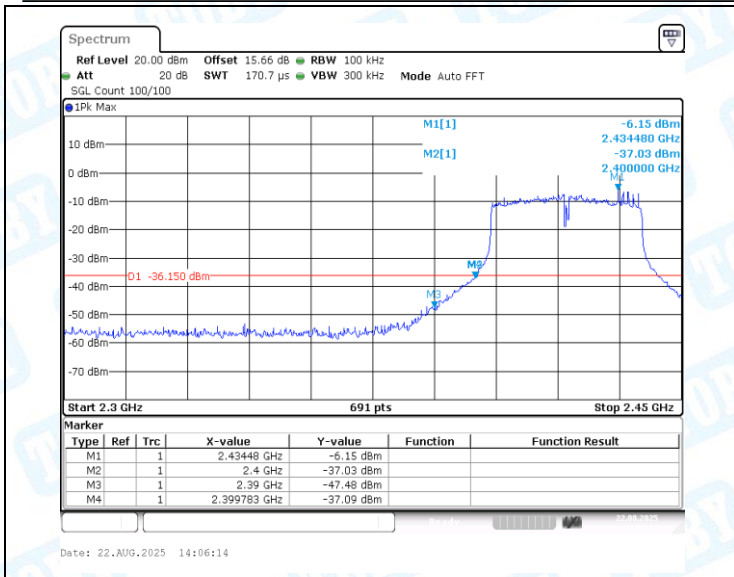
11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS

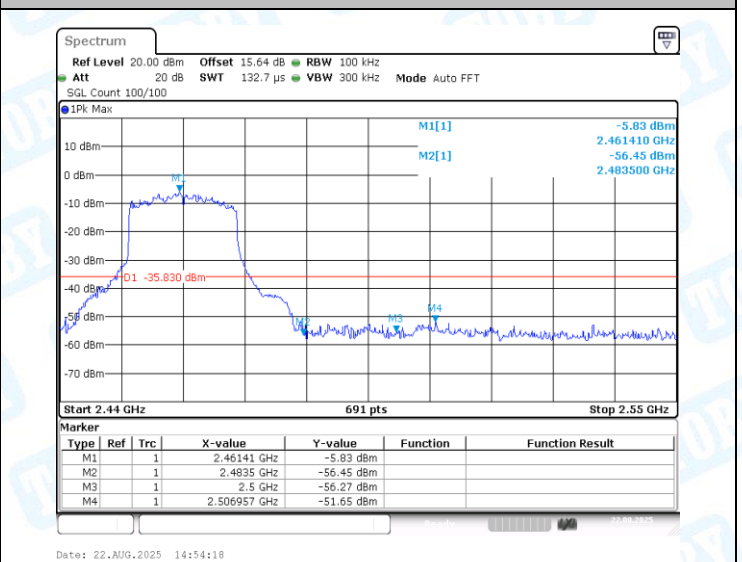
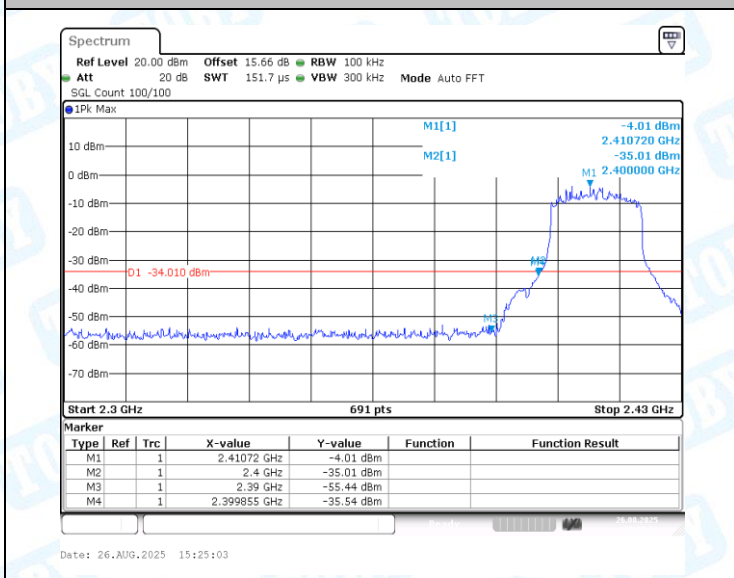


11N20SISO-Ant1-2462-PASS



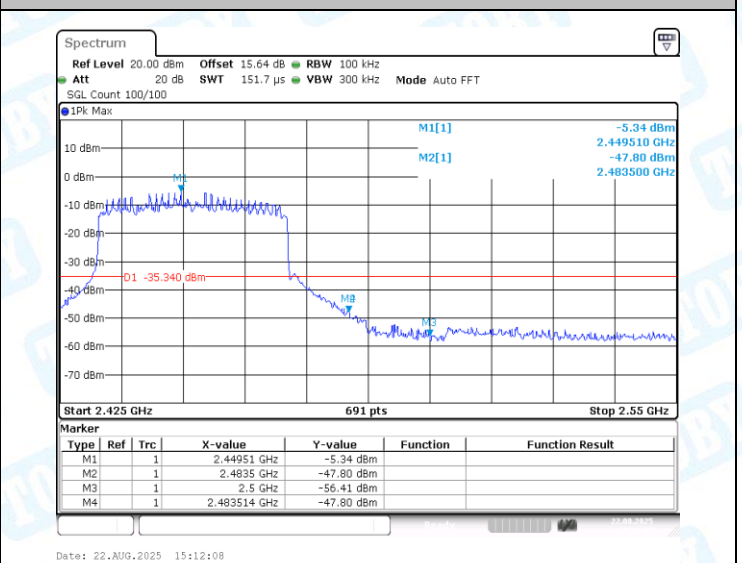
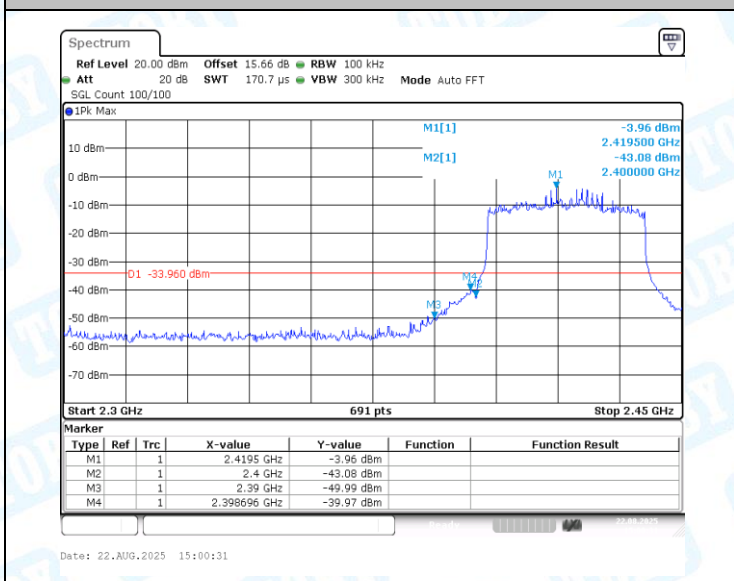
11N40SISO-Ant1-2422-PASS

11N40SISO-Ant1-2452-PASS



11AX20SISO-Ant1-2412-PASS

11AX20SISO-Ant1-2462-PASS



11AX40SISO-Ant1-2422-PASS

11AX40SISO-Ant1-2452-PASS

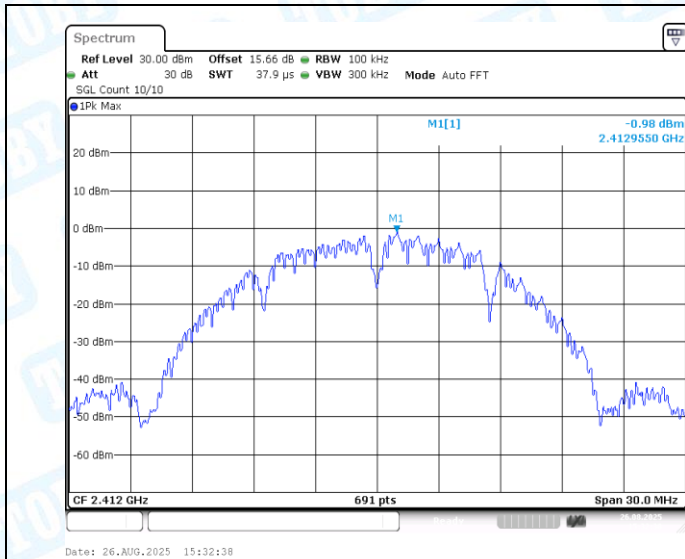
6: Conducted Spurious Emission

6.1 Test Result

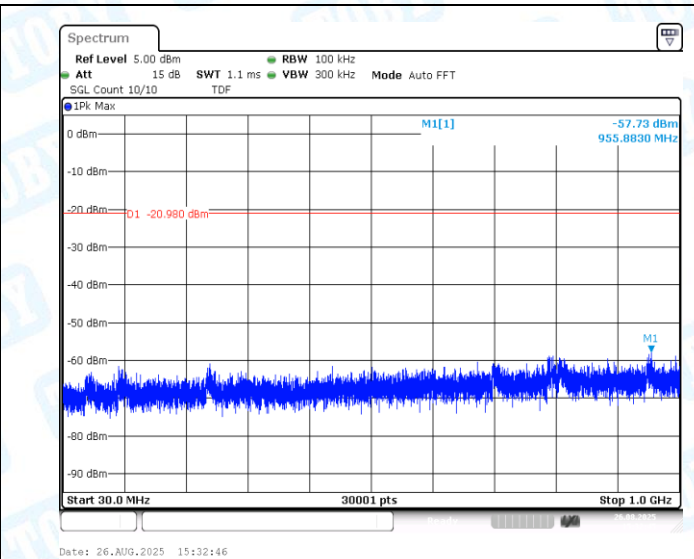
TestMode	Ant.	Frequency [MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	-0.98	-0.98	---	PASS
11B	Ant1	2412	30~1000	-0.98	-57.73	≤-20.98	PASS
11B	Ant1	2412	1000~26500	-0.98	-45.12	≤-20.98	PASS
11B	Ant1	2437	0~Reference	-0.07	-0.07	---	PASS
11B	Ant1	2437	30~1000	-0.07	-57.68	≤-20.07	PASS
11B	Ant1	2437	1000~26500	-0.07	-44.66	≤-20.07	PASS
11B	Ant1	2462	0~Reference	-0.13	-0.13	---	PASS
11B	Ant1	2462	30~1000	-0.13	-56.97	≤-20.13	PASS
11B	Ant1	2462	1000~26500	-0.13	-45.22	≤-20.13	PASS
11G	Ant1	2412	0~Reference	-5.19	-5.19	---	PASS
11G	Ant1	2412	30~1000	-5.19	-57.59	≤-25.19	PASS
11G	Ant1	2412	1000~26500	-5.19	-44.96	≤-25.19	PASS
11G	Ant1	2437	0~Reference	-5.43	-5.43	---	PASS
11G	Ant1	2437	30~1000	-5.43	-58.17	≤-25.43	PASS
11G	Ant1	2437	1000~26500	-5.43	-45.23	≤-25.43	PASS
11G	Ant1	2462	0~Reference	-5.71	-5.71	---	PASS
11G	Ant1	2462	30~1000	-5.71	-58.73	≤-25.71	PASS
11G	Ant1	2462	1000~26500	-5.71	-45.11	≤-25.71	PASS
11N20SISO	Ant1	2412	0~Reference	-5.10	-5.10	---	PASS
11N20SISO	Ant1	2412	30~1000	-5.10	-58.74	≤-25.1	PASS
11N20SISO	Ant1	2412	1000~26500	-5.10	-45.09	≤-25.1	PASS
11N20SISO	Ant1	2437	0~Reference	-6.27	-6.27	---	PASS
11N20SISO	Ant1	2437	30~1000	-6.27	-58.46	≤-26.27	PASS
11N20SISO	Ant1	2437	1000~26500	-6.27	-44.87	≤-26.27	PASS
11N20SISO	Ant1	2462	0~Reference	-4.56	-4.56	---	PASS
11N20SISO	Ant1	2462	30~1000	-4.56	-58.01	≤-24.56	PASS
11N20SISO	Ant1	2462	1000~26500	-4.56	-44.5	≤-24.56	PASS
11N40SISO	Ant1	2422	0~Reference	-7.24	-7.24	---	PASS
11N40SISO	Ant1	2422	30~1000	-7.24	-57.71	≤-27.24	PASS
11N40SISO	Ant1	2422	1000~26500	-7.24	-45.19	≤-27.24	PASS
11N40SISO	Ant1	2437	0~Reference	-8.80	-8.80	---	PASS
11N40SISO	Ant1	2437	30~1000	-8.80	-58.18	≤-28.8	PASS
11N40SISO	Ant1	2437	1000~26500	-8.80	-45.23	≤-28.8	PASS
11N40SISO	Ant1	2452	0~Reference	-7.99	-7.99	---	PASS
11N40SISO	Ant1	2452	30~1000	-7.99	-58.33	≤-27.99	PASS
11N40SISO	Ant1	2452	1000~26500	-7.99	-44.78	≤-27.99	PASS
11AX20SISO	Ant1	2412	0~Reference	3.81	3.81	---	PASS
11AX20SISO	Ant1	2412	30~1000	3.81	-57.07	≤-16.19	PASS
11AX20SISO	Ant1	2412	1000~26500	3.81	-45.06	≤-16.19	PASS
11AX20SISO	Ant1	2437	0~Reference	-8.78	-8.78	---	PASS

11AX20SISO	Ant1	2437	30~1000	-8.78	-57.78	≤ -28.78	PASS
11AX20SISO	Ant1	2437	1000~26500	-8.78	-44.98	≤ -28.78	PASS
11AX20SISO	Ant1	2462	0~Reference	-6.00	-6.00	---	PASS
11AX20SISO	Ant1	2462	30~1000	-6.00	-57.23	≤ -26	PASS
11AX20SISO	Ant1	2462	1000~26500	-6.00	-45.02	≤ -26	PASS
11AX40SISO	Ant1	2422	0~Reference	-8.62	-8.62	---	PASS
11AX40SISO	Ant1	2422	30~1000	-8.62	-58.09	≤ -28.62	PASS
11AX40SISO	Ant1	2422	1000~26500	-8.62	-45.37	≤ -28.62	PASS
11AX40SISO	Ant1	2437	0~Reference	-8.54	-8.54	---	PASS
11AX40SISO	Ant1	2437	30~1000	-8.54	-57.88	≤ -28.54	PASS
11AX40SISO	Ant1	2437	1000~26500	-8.54	-45.28	≤ -28.54	PASS
11AX40SISO	Ant1	2452	0~Reference	-9.51	-9.51	---	PASS
11AX40SISO	Ant1	2452	30~1000	-9.51	-57.3	≤ -29.51	PASS
11AX40SISO	Ant1	2452	1000~26500	-9.51	-45.14	≤ -29.51	PASS

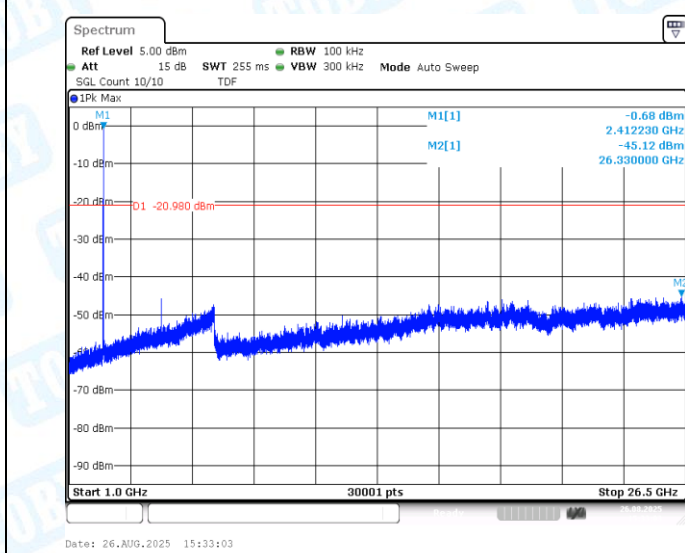
6.2 Test Graphs



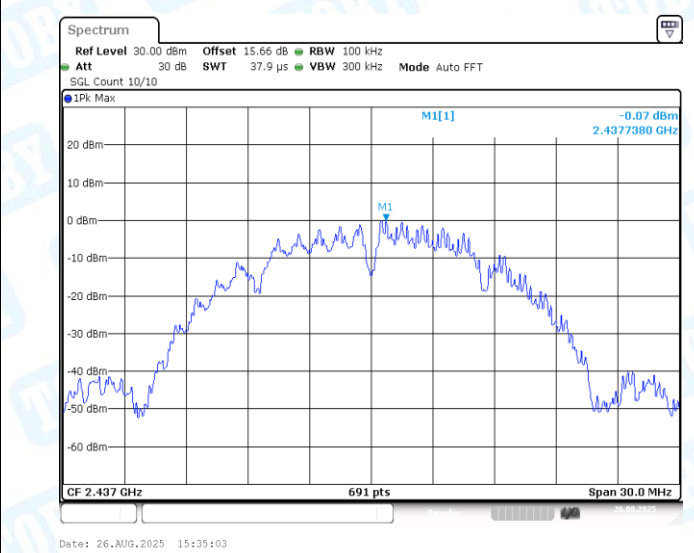
11B-Ant1-2412-0~Reference-PASS



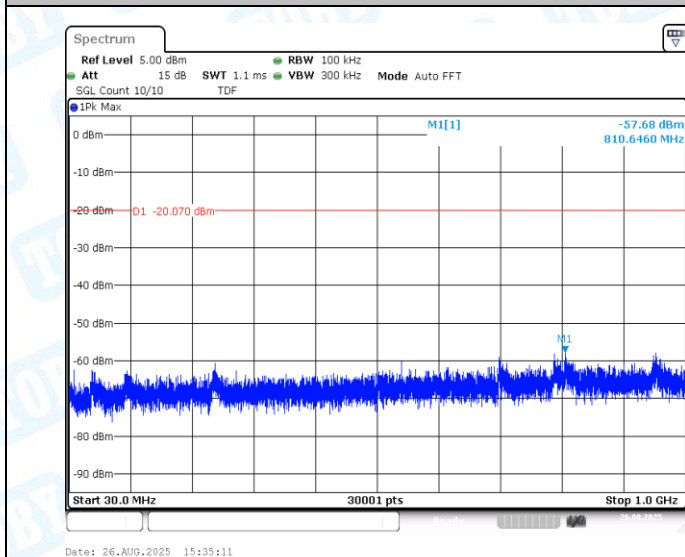
11B-Ant1-2412-30~1000-PASS



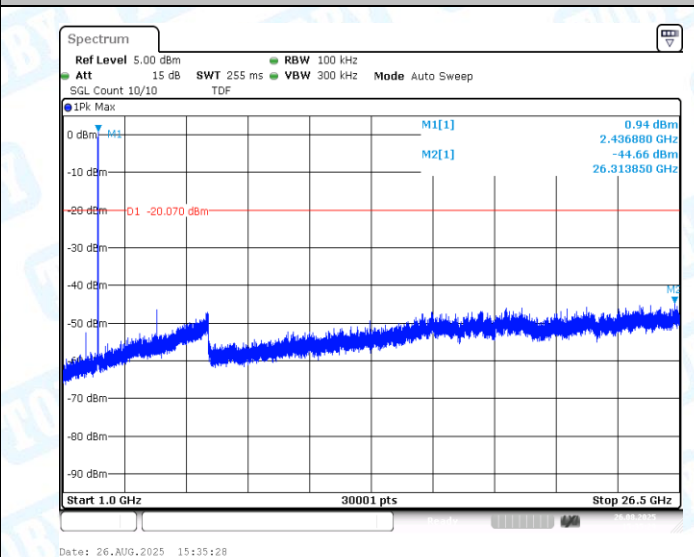
11B-Ant1-2412-1000~26500-PASS



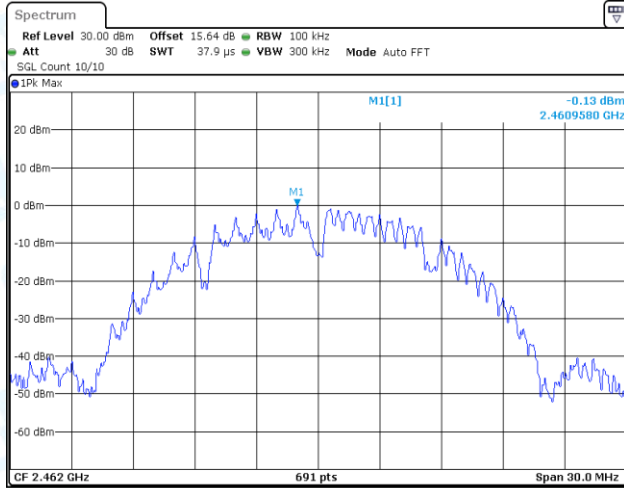
11B-Ant1-2437-0~Reference-PASS



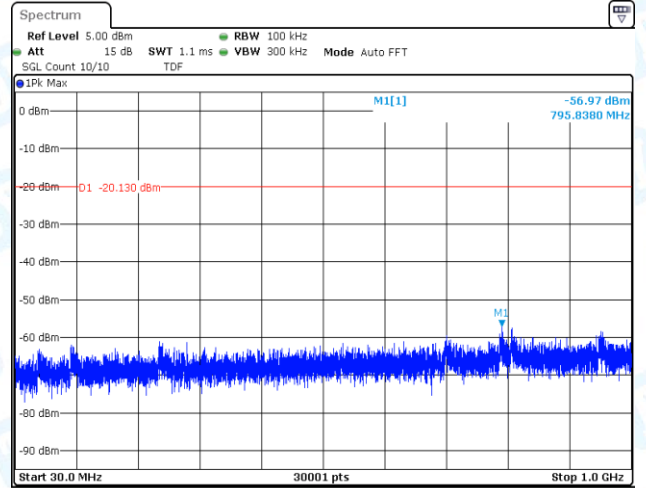
11B-Ant1-2437-30~1000-PASS



11B-Ant1-2437-1000~26500-PASS



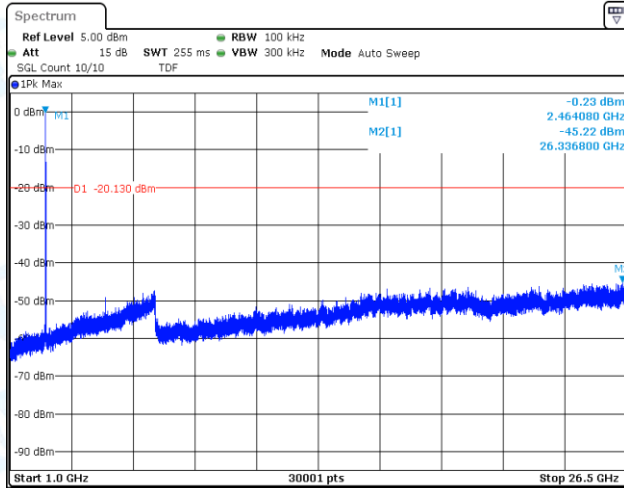
Date: 26, AUG, 2025 15:38:08



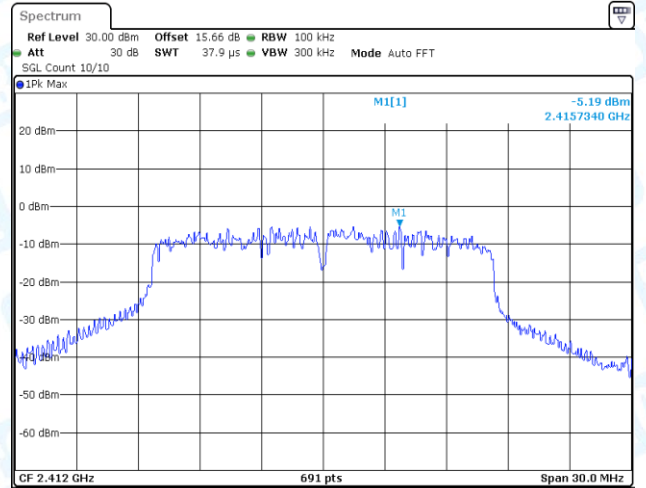
Date: 26, AUG, 2025 15:38:16

11B-Ant1-2462-0~Reference-PASS

11B-Ant1-2462-30~1000-PASS



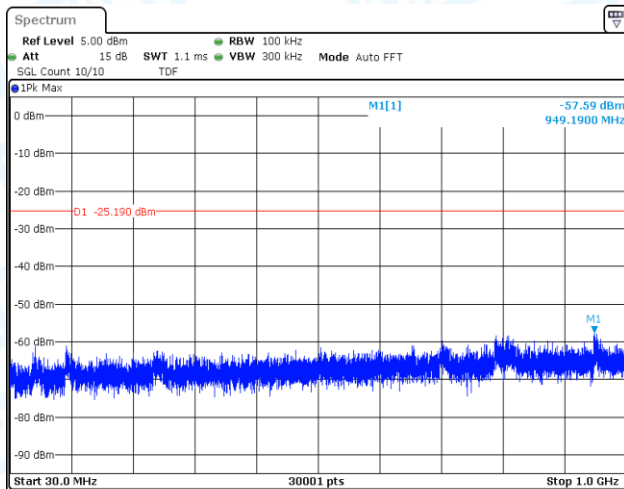
Date: 26, AUG, 2025 15:38:33



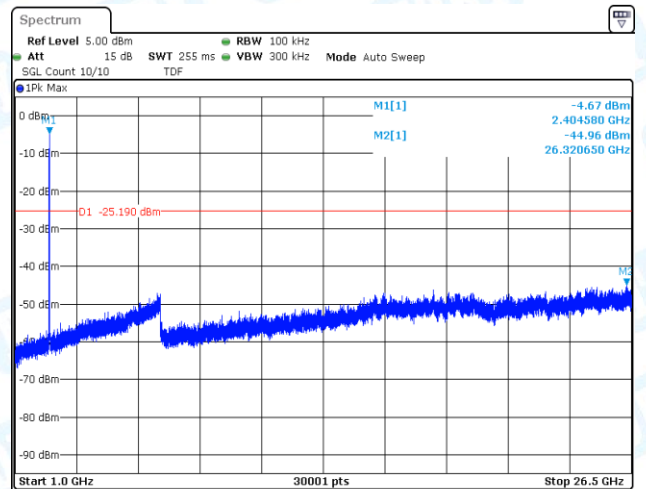
Date: 22, AUG, 2025 11:34:45

11B-Ant1-2462-1000~26500-PASS

11G-Ant1-2412-0~Reference-PASS



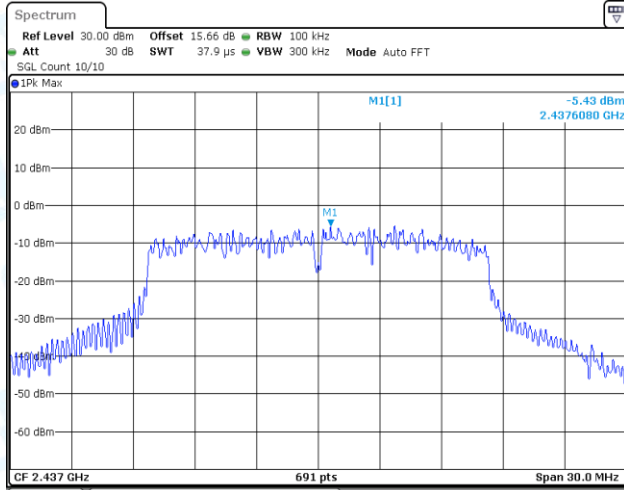
Date: 22, AUG, 2025 11:34:53



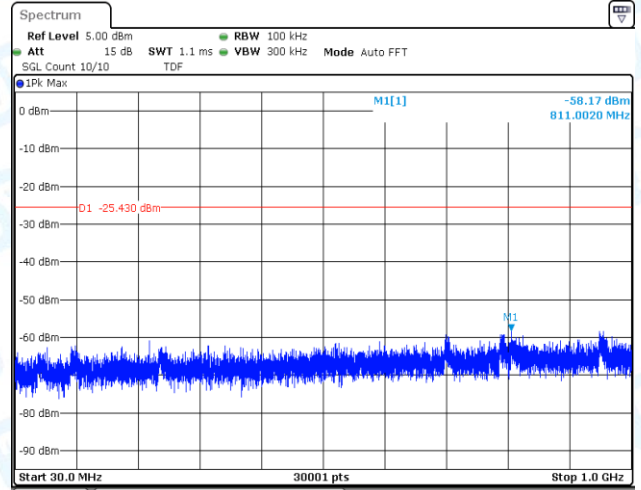
Date: 22, AUG, 2025 11:35:11

11G-Ant1-2412-30~1000-PASS

11G-Ant1-2412-1000~26500-PASS



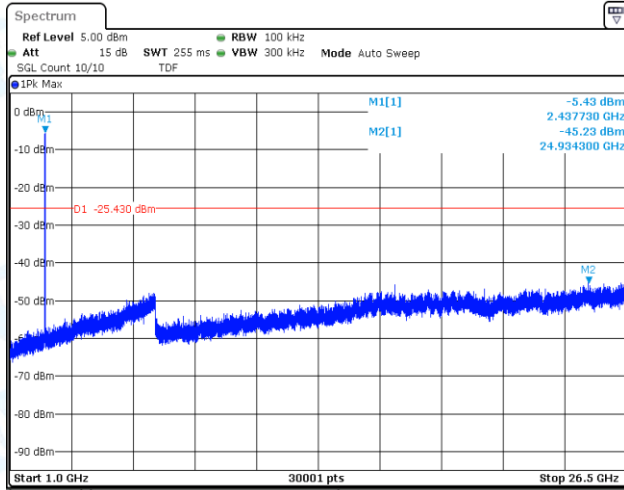
Date: 22.NUG.2025 11:36:56



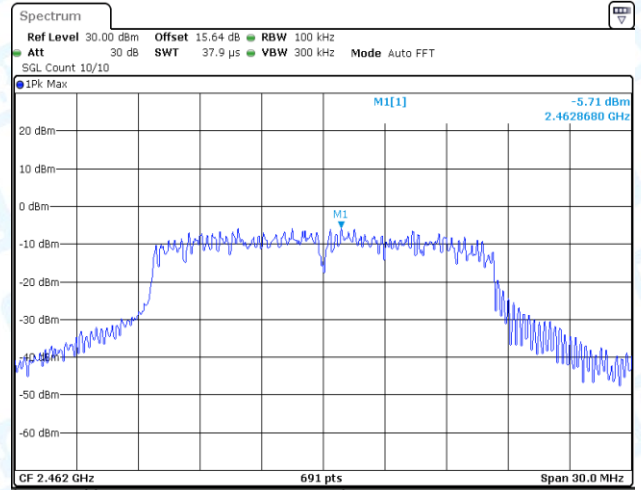
Date: 22.NUG.2025 11:37:04

11G-Ant1-2437-0~Reference-PASS

11G-Ant1-2437-30~1000-PASS



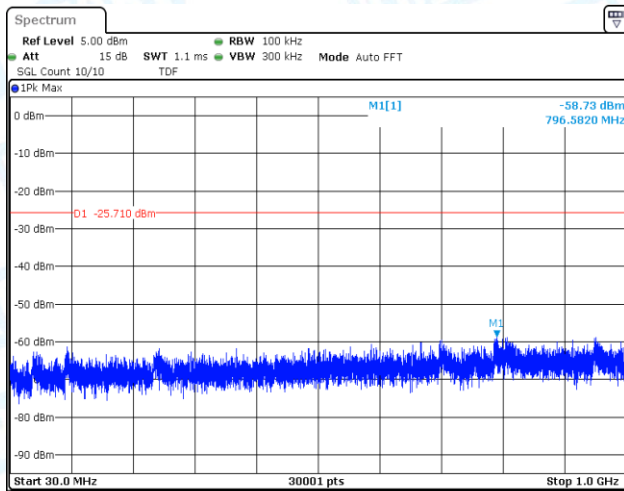
Date: 22.NUG.2025 11:37:21



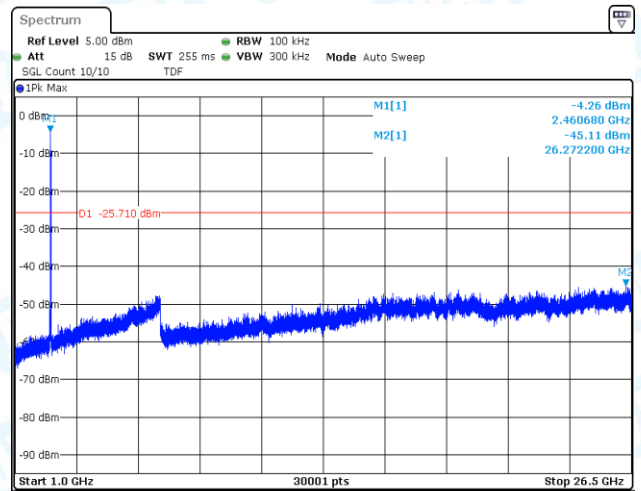
Date: 22.NUG.2025 11:39:46

11G-Ant1-2437-1000~26500-PASS

11G-Ant1-2462-0~Reference-PASS



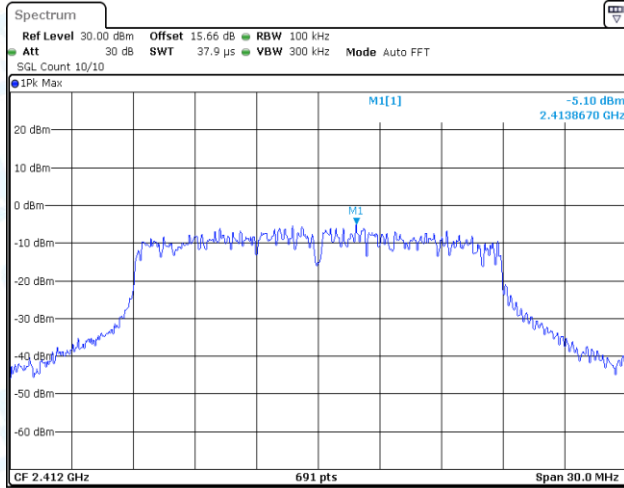
Date: 22.NUG.2025 11:39:53



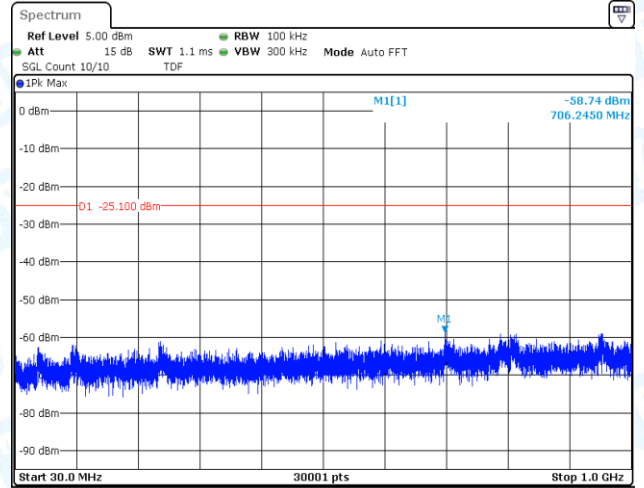
Date: 22.NUG.2025 11:40:11

11G-Ant1-2462-30~1000-PASS

11G-Ant1-2462-1000~26500-PASS



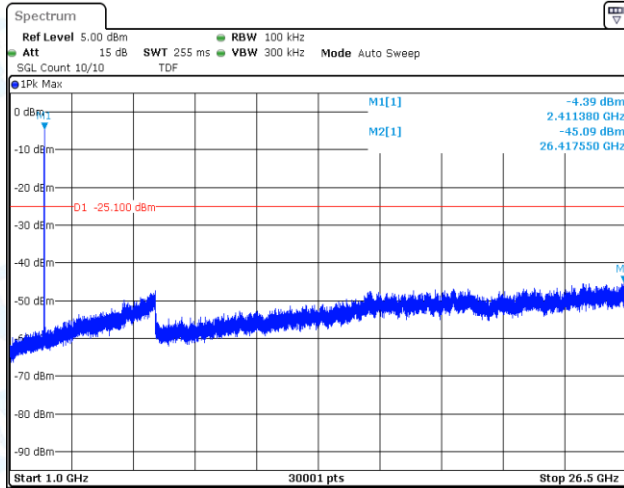
Date: 22.NUG.2025 11:42:15



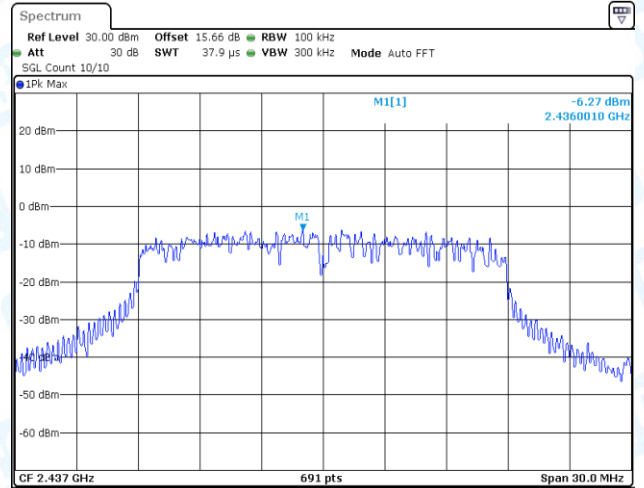
Date: 22.NUG.2025 11:42:22

11N20SISO-Ant1-2412-0~Reference-PASS

11N20SISO-Ant1-2412-30~1000-PASS



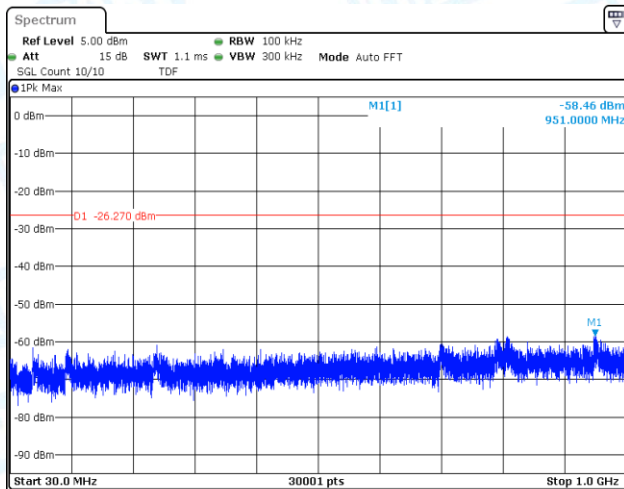
Date: 22.NUG.2025 11:42:40



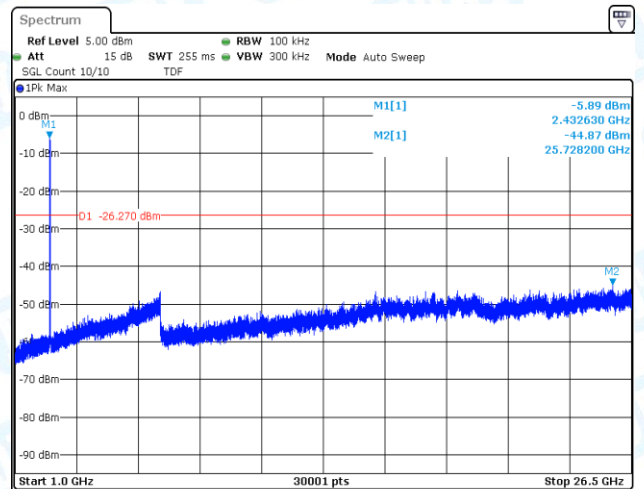
Date: 22.NUG.2025 11:46:12

11N20SISO-Ant1-2412-1000~26500-PASS

11N20SISO-Ant1-2437-0~Reference-PASS



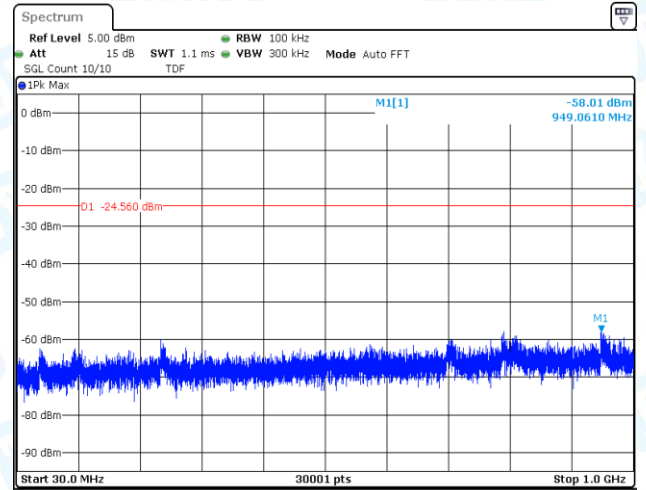
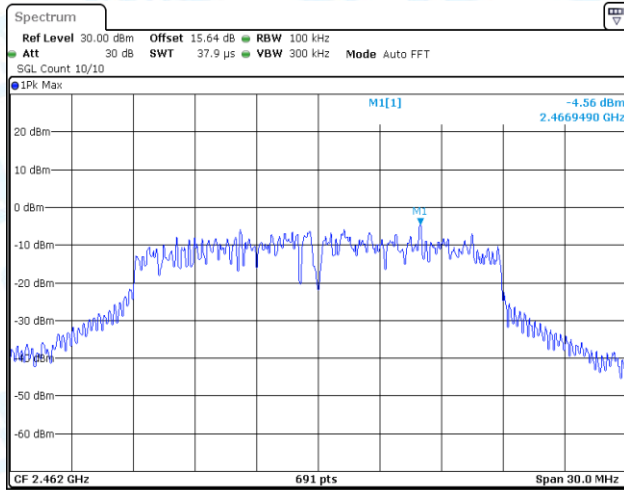
Date: 22.NUG.2025 11:46:20



Date: 22.NUG.2025 11:46:37

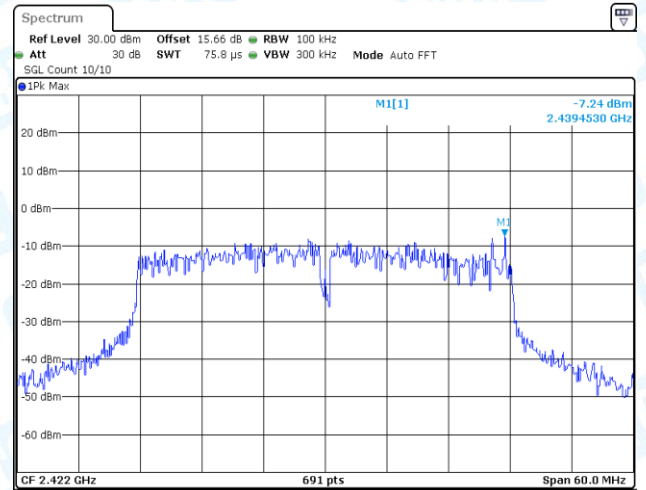
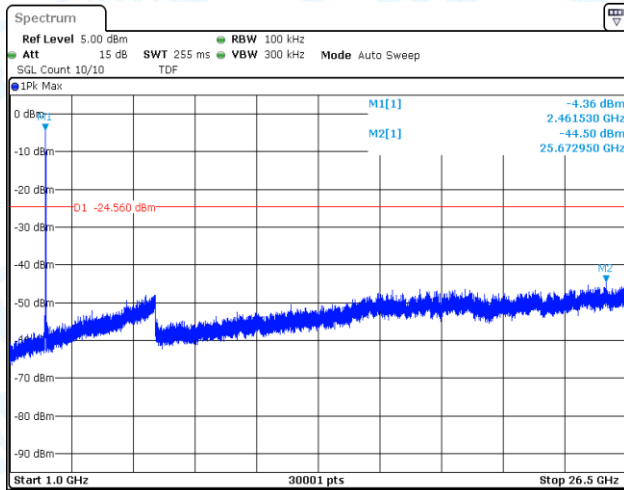
11N20SISO-Ant1-2437-30~1000-PASS

11N20SISO-Ant1-2437-1000~26500-PASS



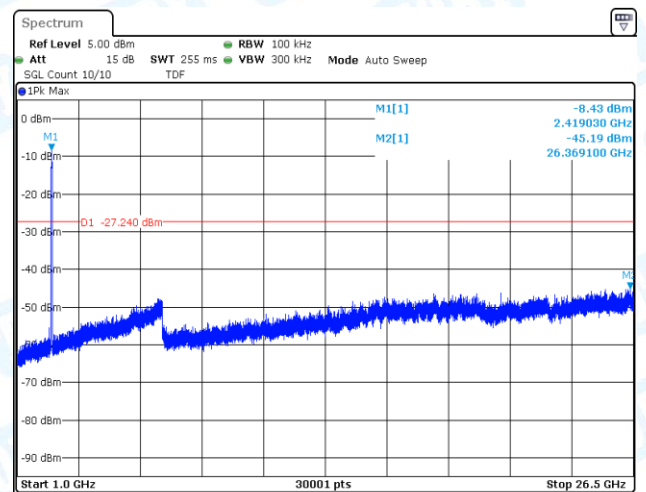
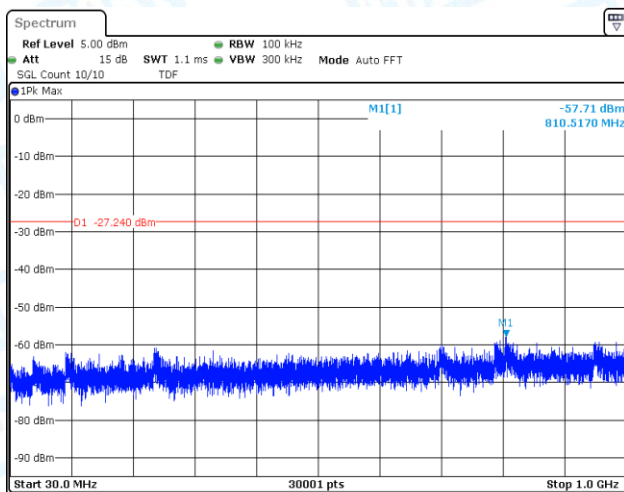
11N20SISO-Ant1-2462-0~Reference-PASS

11N20SISO-Ant1-2462-30~1000-PASS



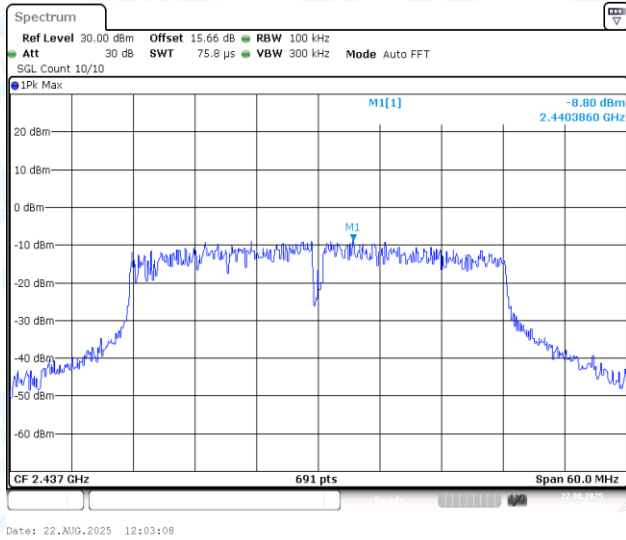
11N20SISO-Ant1-2462-1000~26500-PASS

11N40SISO-Ant1-2422-0~Reference-PASS

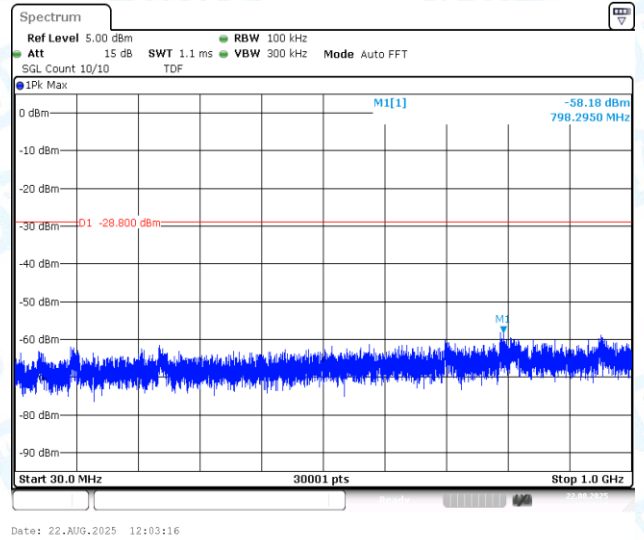


11N40SISO-Ant1-2422-30~1000-PASS

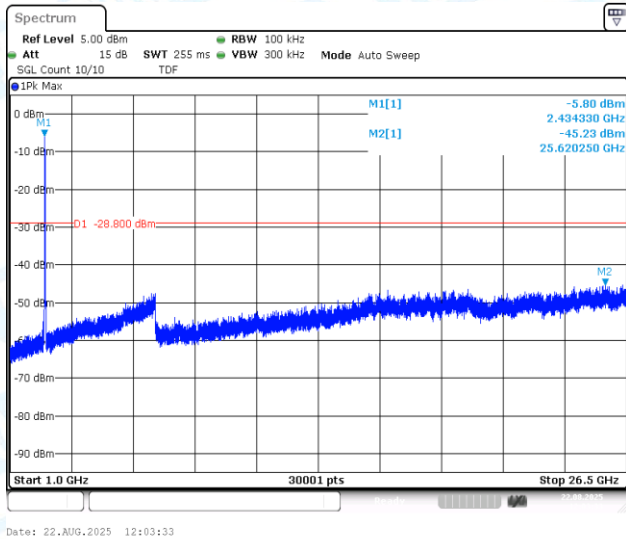
11N40SISO-Ant1-2422-1000~26500-PASS



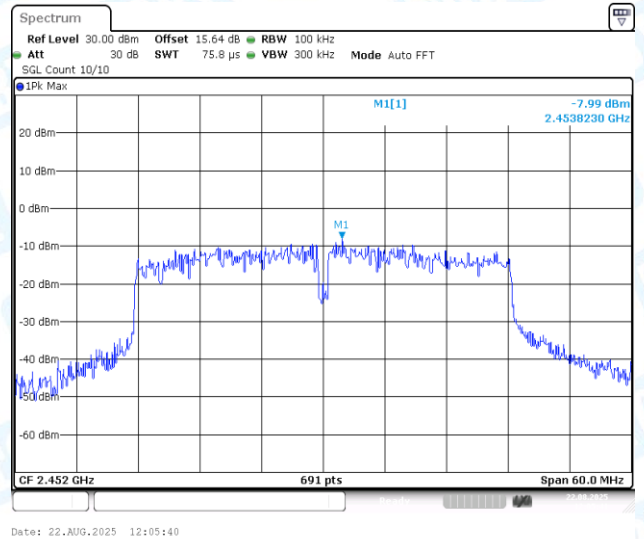
11N40SISO-Ant1-2437-0~Reference-PASS



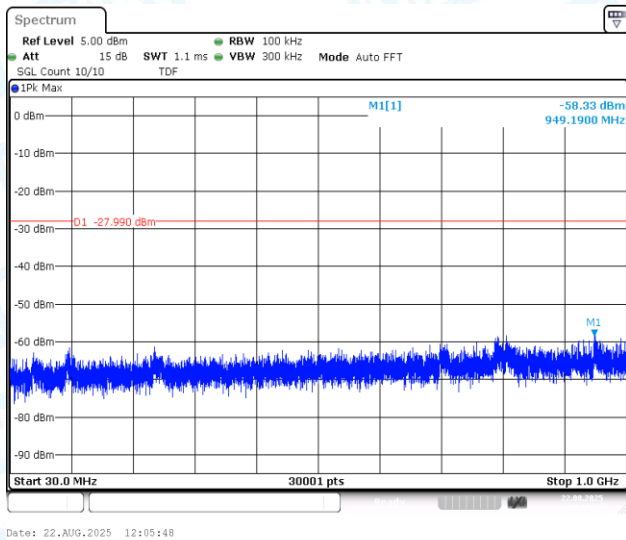
11N40SISO-Ant1-2437-30~1000-PASS



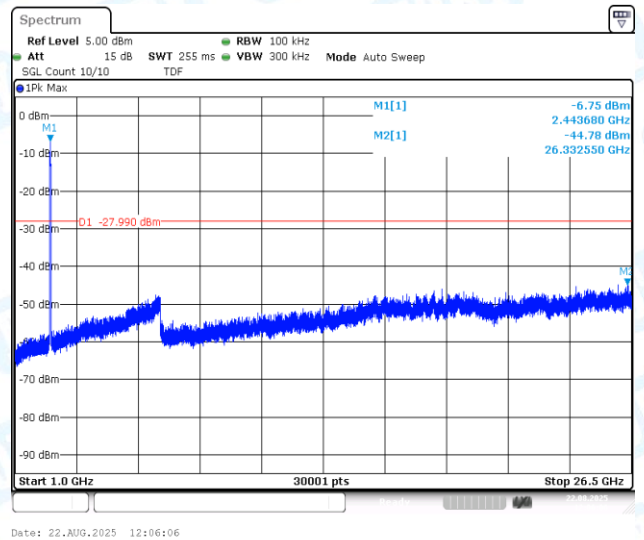
11N40SISO-Ant1-2437-1000~26500-PASS



11N40SISO-Ant1-2452-0~Reference-PASS



11N40SISO-Ant1-2452-30~1000-PASS



11N40SISO-Ant1-2452-1000~26500-PASS