

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

General Description of EUT	
Product Name:	Tablet PC
Test Model:	K10
Sample ID:	HC-C-202504-0232-01-01#
Environmental Conditions	
Ambient Temperature:	25℃
Ambient Humidity:	55%
Test Power Supply:	DC 5V
Test Engineer:	Lily Zhang
Note: For a more detailed features description, please refer to the report TBR-C-202504-0232-52	

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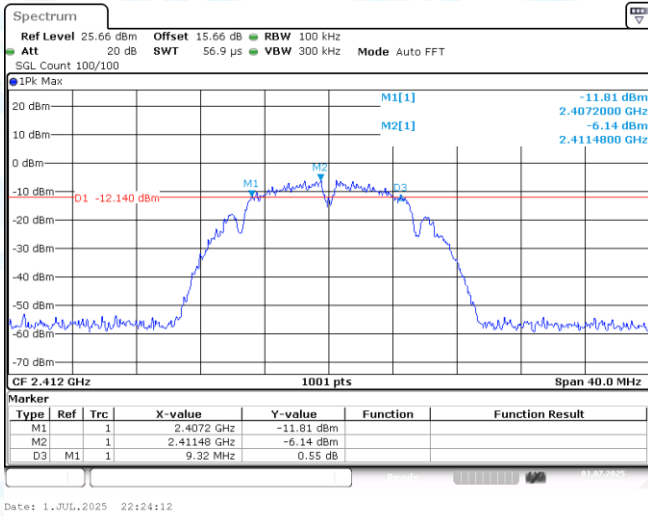
1: DTS Bandwidth

1.1 Test Result

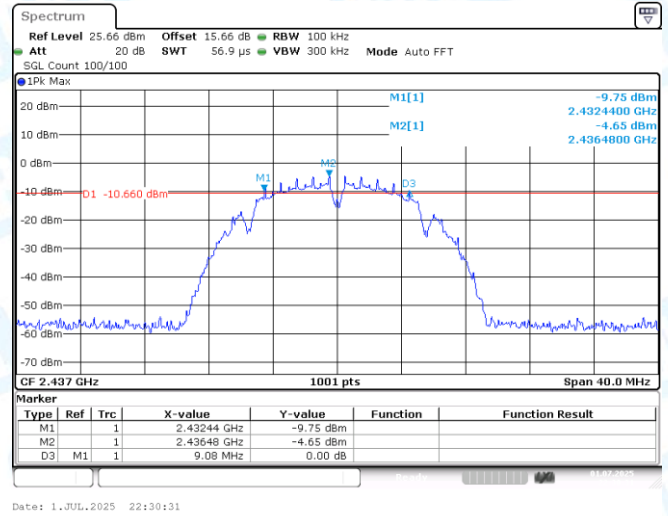
TestMode	Ant.	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.32	2407.20	2416.52	0.5	PASS
11B	Ant1	2437	9.08	2432.44	2441.52	0.5	PASS
11B	Ant1	2462	9.20	2457.32	2466.52	0.5	PASS
11G	Ant1	2412	16.36	2403.80	2420.16	0.5	PASS
11G	Ant1	2437	16.60	2428.68	2445.28	0.5	PASS
11G	Ant1	2462	16.60	2453.68	2470.28	0.5	PASS
11N20SISO	Ant1	2412	17.84	2403.08	2420.92	0.5	PASS
11N20SISO	Ant1	2437	17.80	2428.08	2445.88	0.5	PASS
11N20SISO	Ant1	2462	17.84	2453.08	2470.92	0.5	PASS
11N40SISO	Ant1	2422	36.56	2403.68	2440.24	0.5	PASS
11N40SISO	Ant1	2437	36.48	2418.68	2455.16	0.5	PASS
11N40SISO	Ant1	2452	36.48	2433.68	2470.16	0.5	PASS
11AX20SISO	Ant1	2412	19.04	2402.44	2421.48	0.5	PASS
11AX20SISO	Ant1	2437	19.16	2427.44	2446.60	0.5	PASS
11AX20SISO	Ant1	2462	19.16	2452.40	2471.56	0.5	PASS
11AX40SISO	Ant1	2422	37.52	2402.88	2440.40	0.5	PASS
11AX40SISO	Ant1	2437	37.76	2417.88	2455.64	0.5	PASS
11AX40SISO	Ant1	2452	37.76	2432.96	2470.72	0.5	PASS

Note: input compensation coefficient (dB)= Cable Loss (dB)+ Attenuator factor

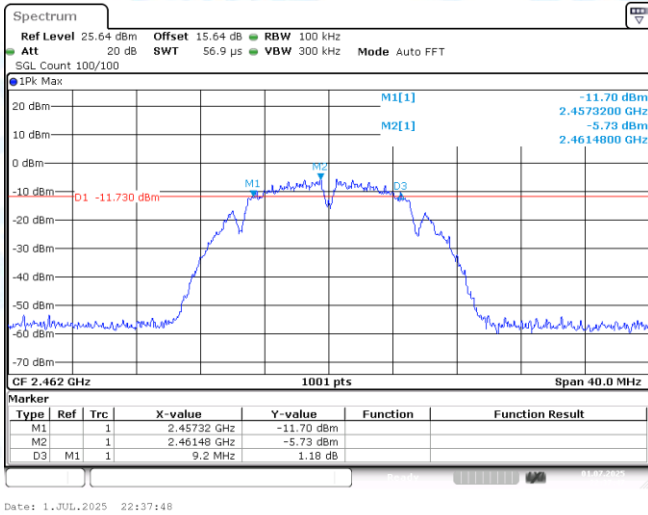
1.2 Test Graphs



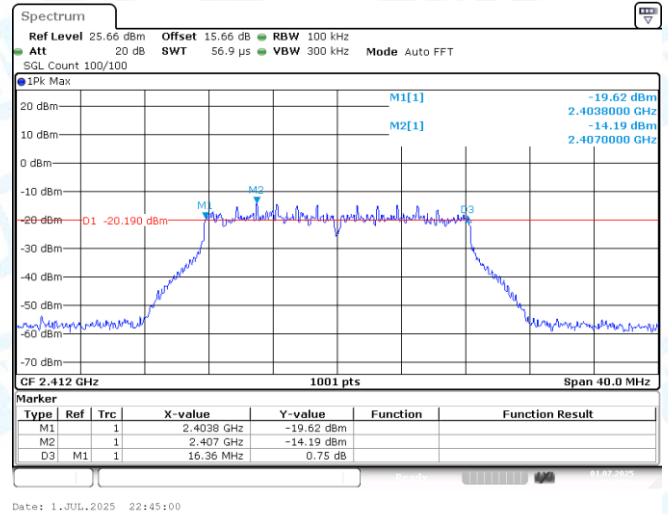
11B-Ant1-2412-PASS



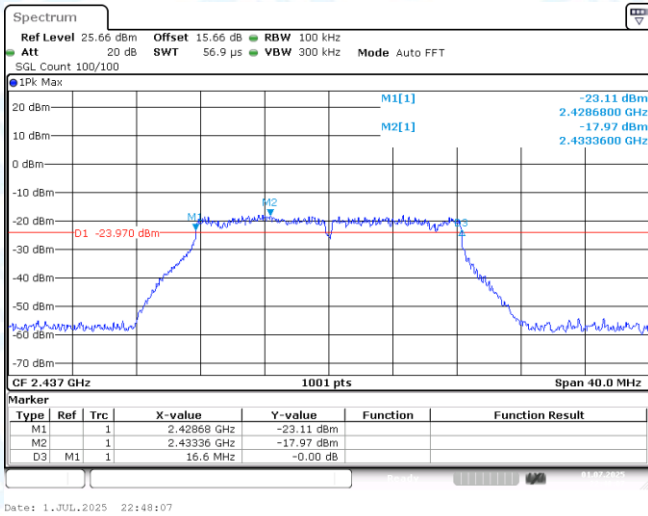
11B-Ant1-2437-PASS



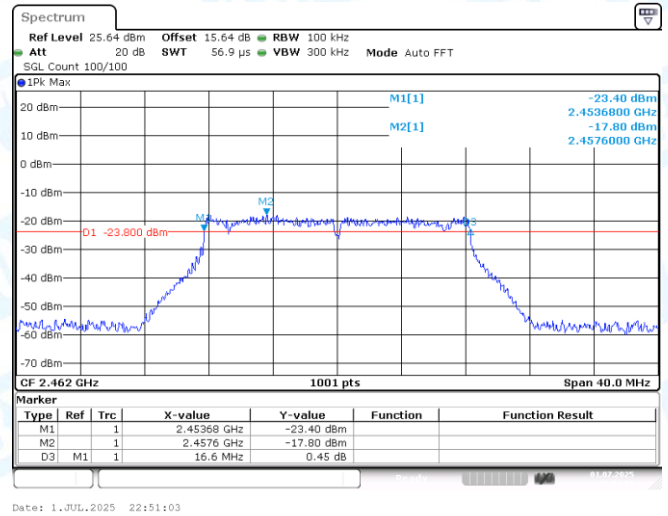
11B-Ant1-2462-PASS



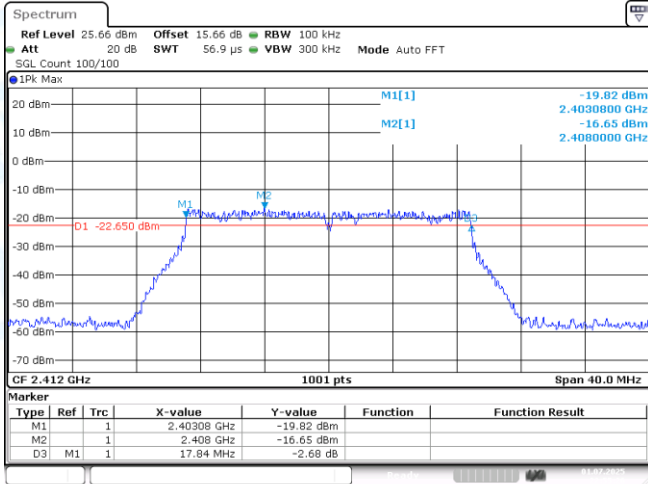
11G-Ant1-2412-PASS



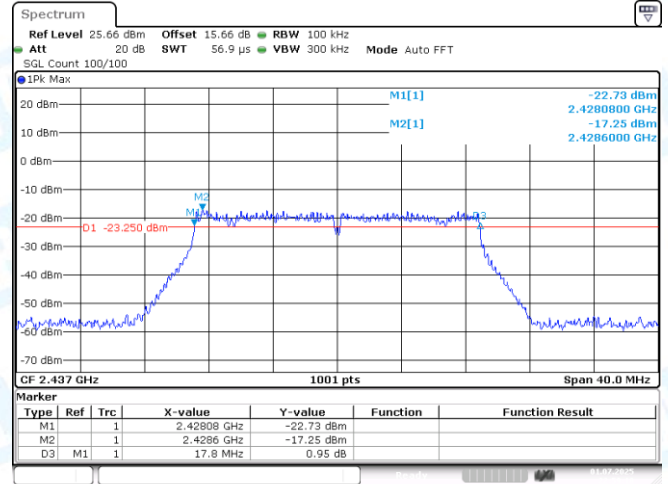
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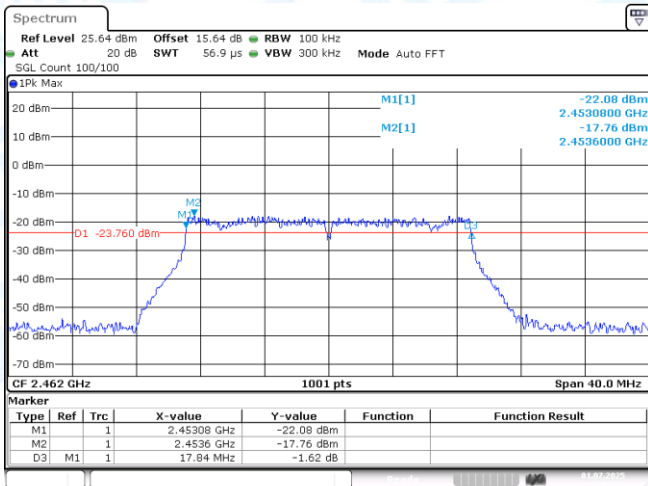
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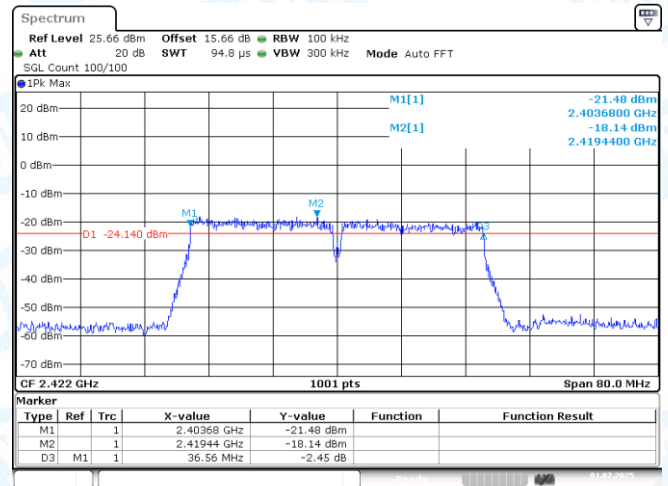
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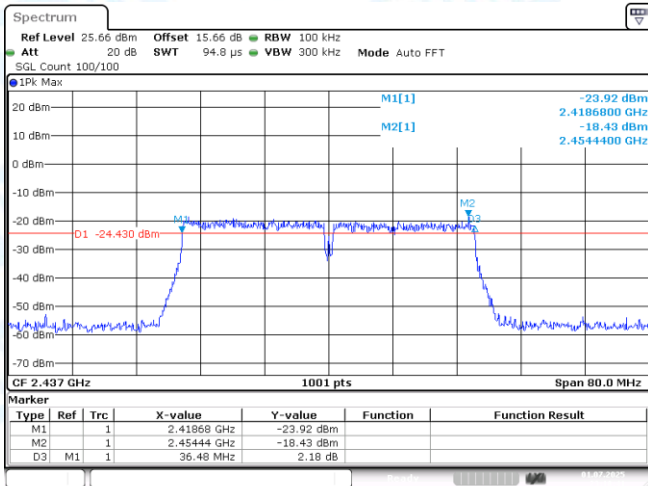
11N20SISO-Ant1-2437-PASS



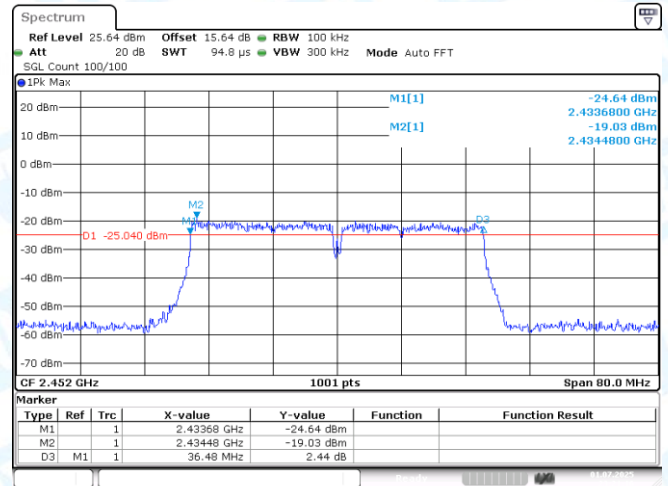
11N20SISO-Ant1-2462-PASS



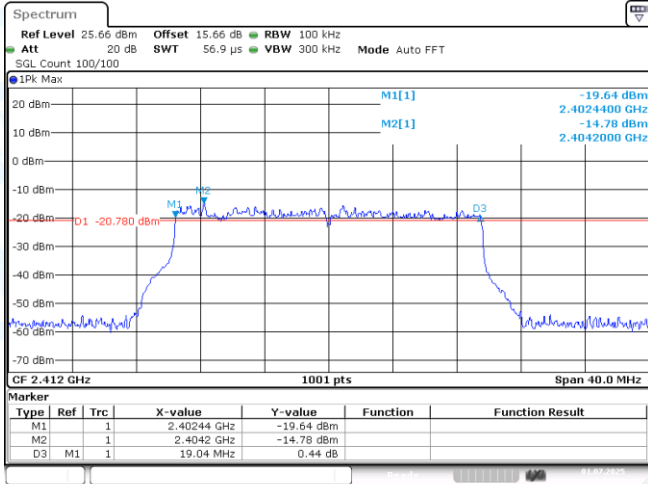
11N40SISO-Ant1-2422-PASS



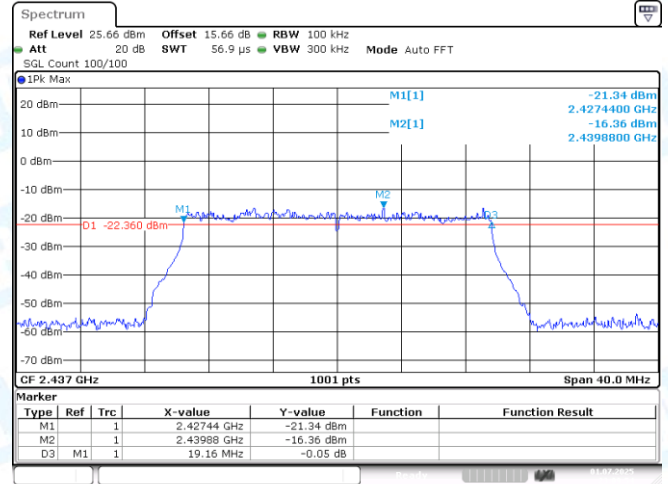
11N40SISO-Ant1-2437-PASS



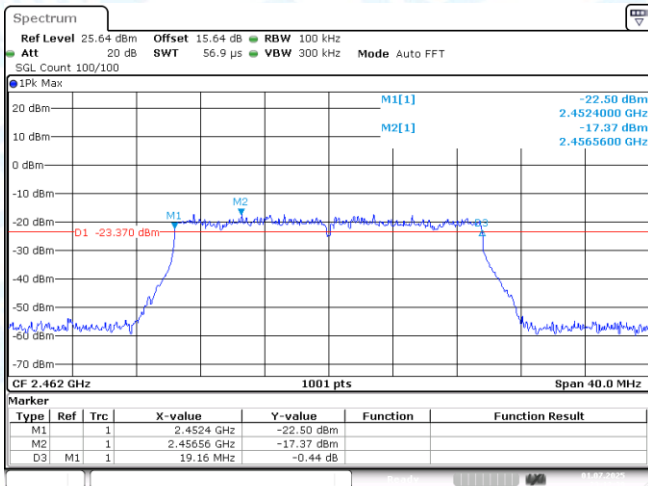
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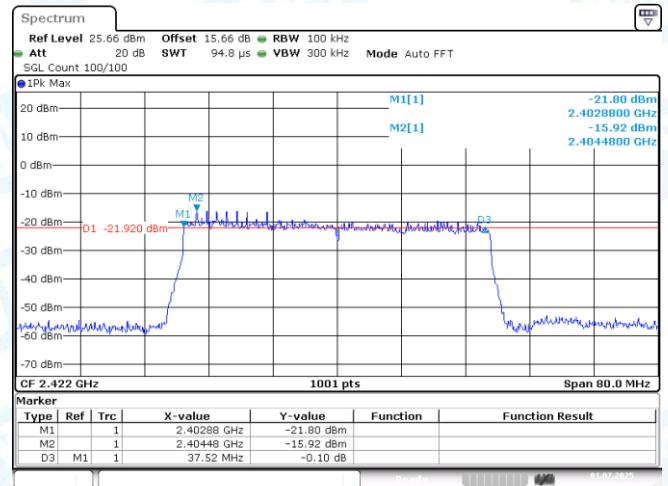
11AX20SISO-Ant1-2412-PASS



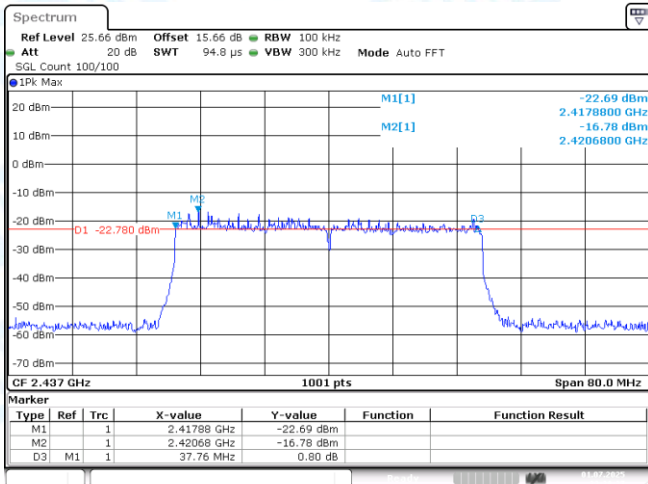
11AX20SISO-Ant1-2437-PASS



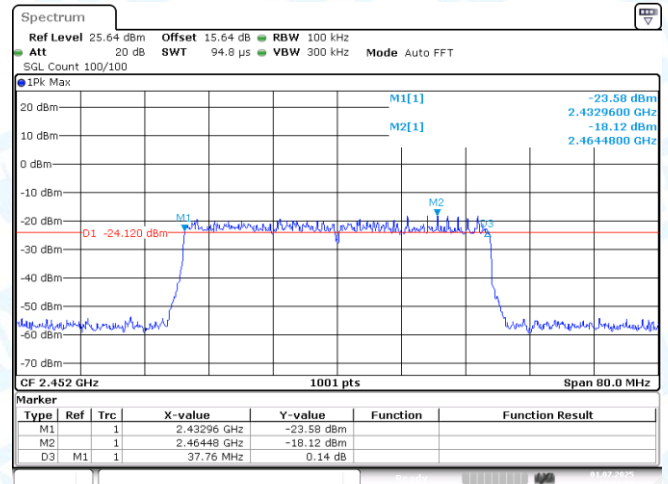
11AX20SISO-Ant1-2462-PASS



11AX40SISO-Ant1-2422-PASS



11AX40SISO-Ant1-2437-PASS



11AX40SISO-Ant1-2452-PASS

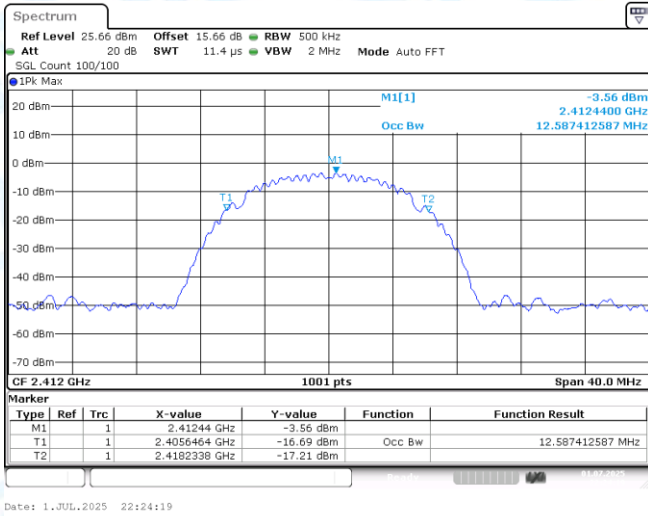
2: Occupied Channel Bandwidth

2.1 Test Result

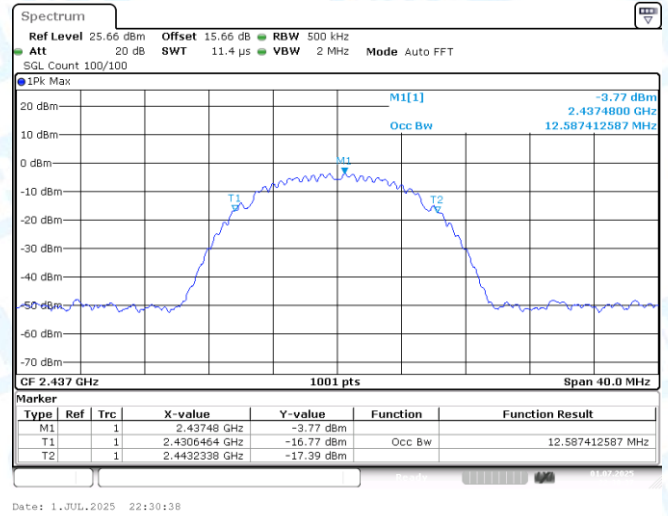
TestMode	Ant.	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.587	2405.6464	2418.2338	---	---
11B	Ant1	2437	12.587	2430.6464	2443.2338	---	---
11B	Ant1	2462	12.627	2455.6464	2468.2737	---	---
11G	Ant1	2412	17.343	2403.3686	2420.7113	---	---
11G	Ant1	2437	17.702	2428.1688	2445.8711	---	---
11G	Ant1	2462	16.983	2453.4086	2470.3916	---	---
11N20SISO	Ant1	2412	18.022	2402.9690	2420.9910	---	---
11N20SISO	Ant1	2437	18.541	2427.5694	2446.1109	---	---
11N20SISO	Ant1	2462	18.501	2452.8492	2471.3506	---	---
11N40SISO	Ant1	2422	36.603	2403.6184	2440.2218	---	---
11N40SISO	Ant1	2437	36.763	2418.6184	2455.3816	---	---
11N40SISO	Ant1	2452	36.763	2433.6184	2470.3816	---	---
11AX20SISO	Ant1	2412	19.141	2402.3696	2421.5105	---	---
11AX20SISO	Ant1	2437	19.181	2427.4496	2446.6304	---	---
11AX20SISO	Ant1	2462	19.181	2452.4096	2471.5904	---	---
11AX40SISO	Ant1	2422	38.042	2402.8991	2440.9411	---	---
11AX40SISO	Ant1	2437	38.042	2417.8991	2455.9411	---	---
11AX40SISO	Ant1	2452	38.042	2432.8991	2470.9411	---	---

Note: input compensation coefficient (dB)= Cable Loss (dB)+ Attenuator factor

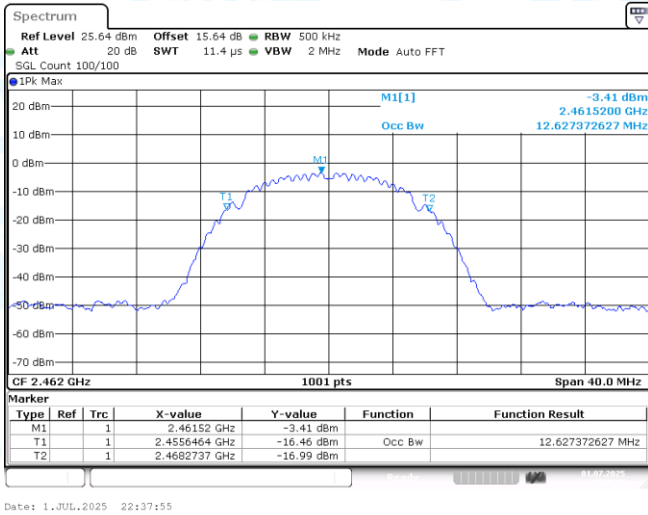
2.2 Test Graphs



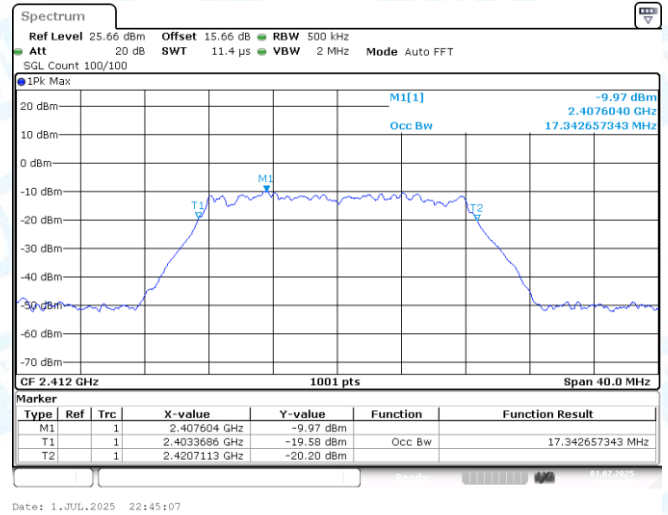
11B-Ant1-2412



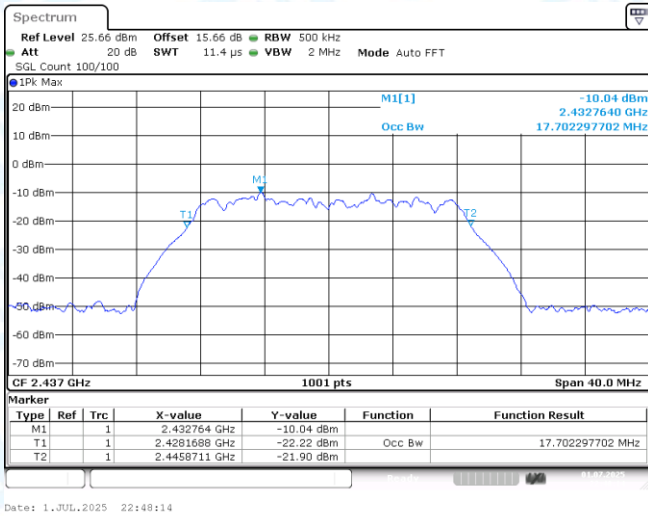
11B-Ant1-2437



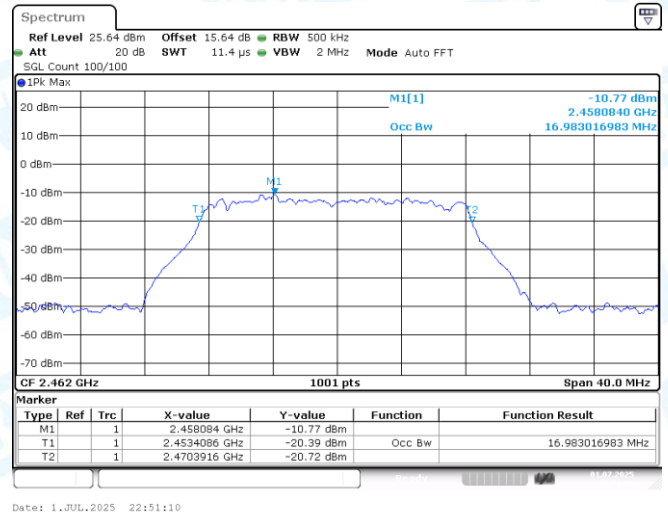
11B-Ant1-2462



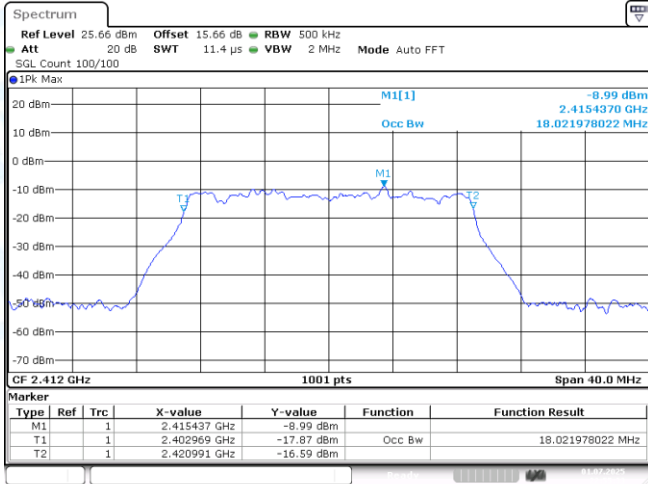
11G-Ant1-2412



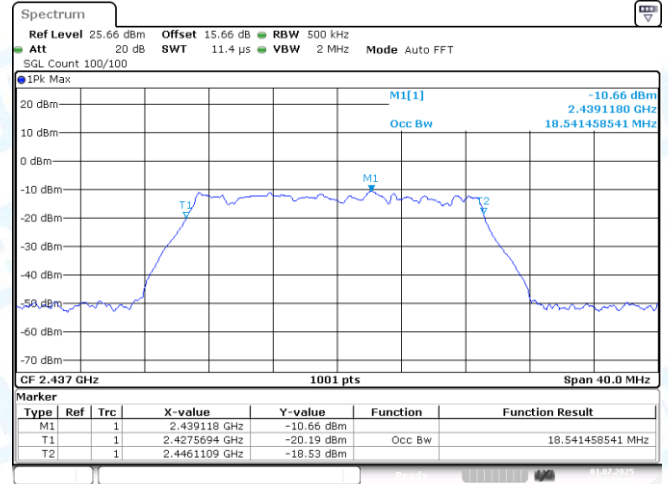
11G-Ant1-2437



11G-Ant1-2462



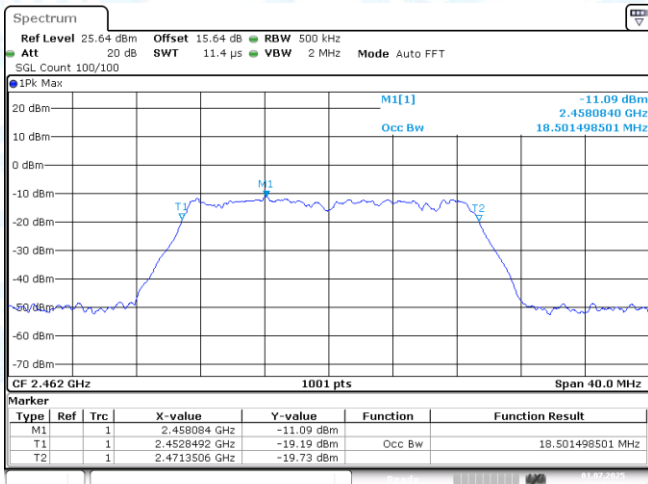
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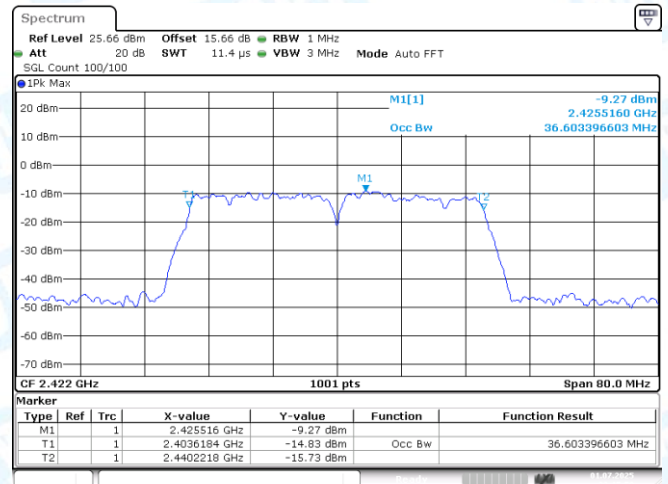
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11N20SISO-Ant1-2412

11N20SISO-Ant1-2437



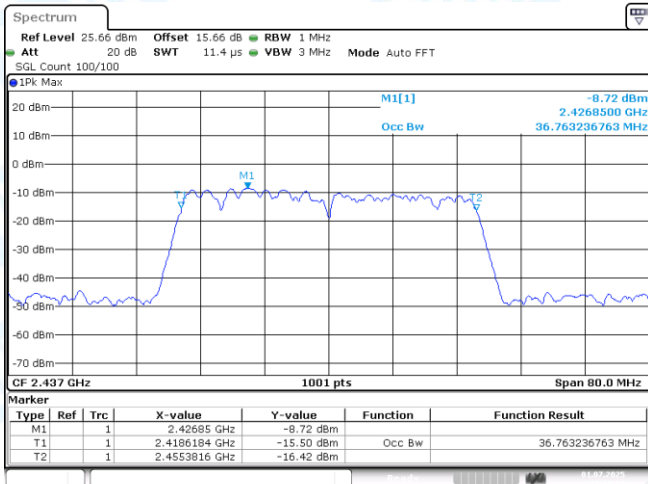
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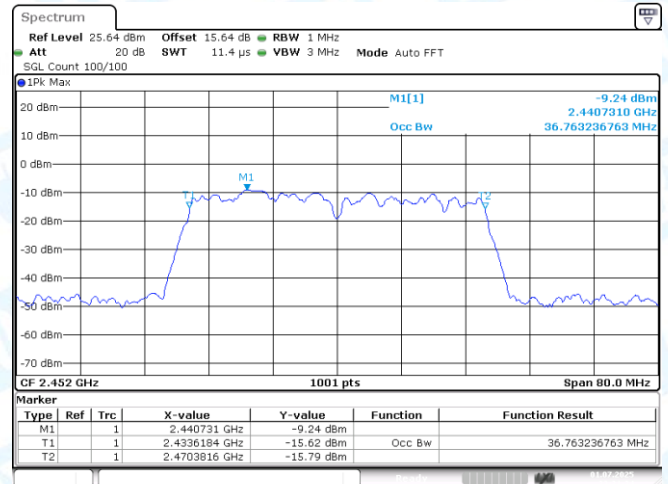
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11N20SISO-Ant1-2462

11N40SISO-Ant1-2422



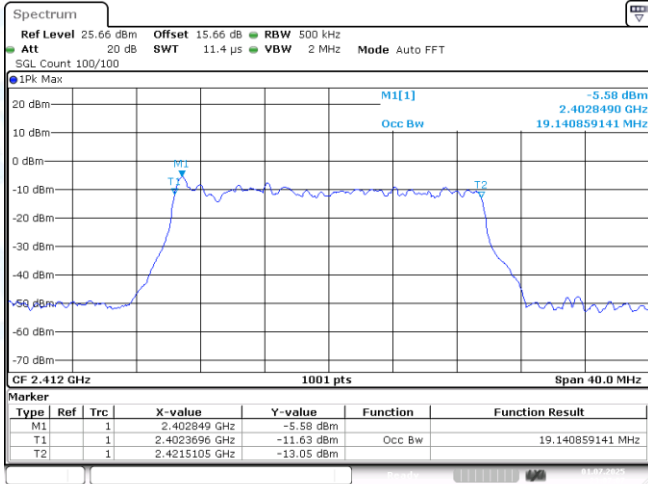
Date: 1.JUL.2025 23:18:50



Date: 1.JUL.2025 23:21:24

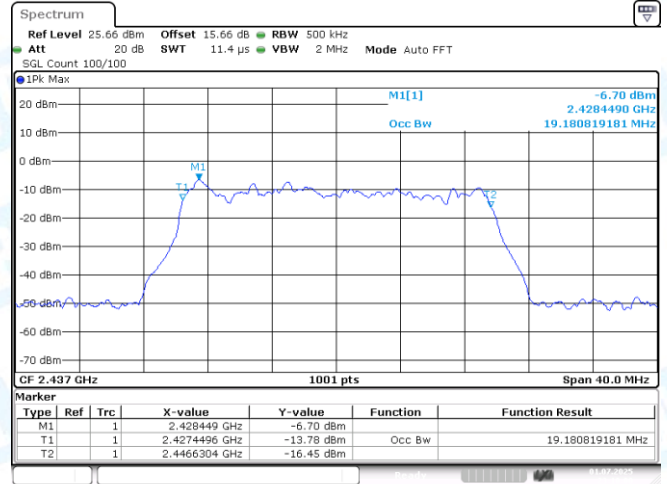
11N40SISO-Ant1-2437

11N40SISO-Ant1-2452



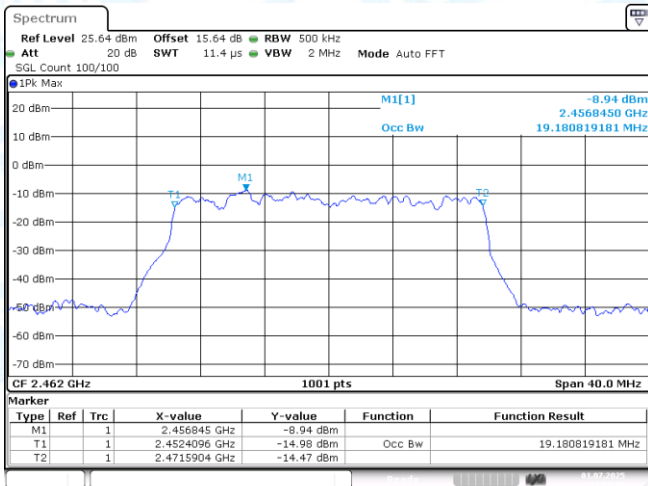
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11AX20SISO-Ant1-2412



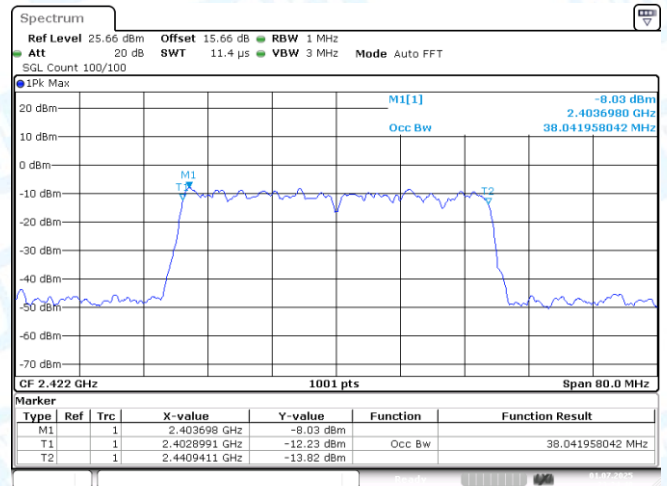
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11AX20SISO-Ant1-2437



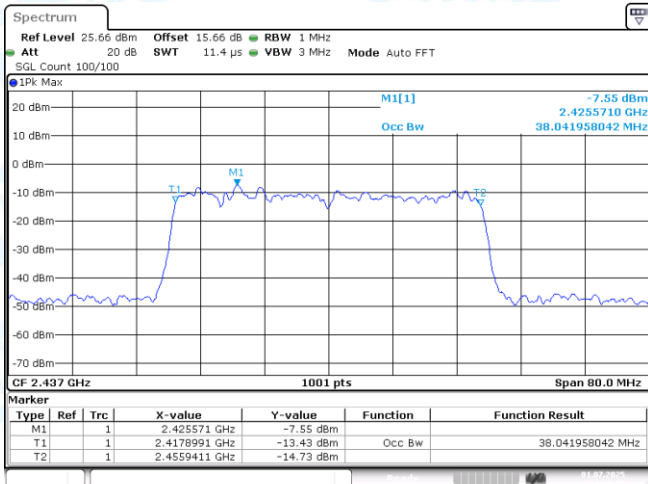
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11AX20SISO-Ant1-2462



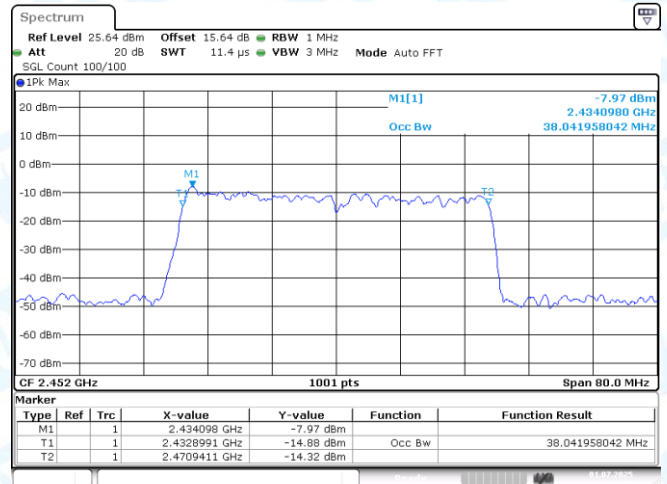
Date: 1.JUL.2025 23:24:49

11AX40SISO-Ant1-2422



Date: 1.JUL.2025 23:28:35

11AX40SISO-Ant1-2437



Date: 1.JUL.2025 23:32:45

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]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	-7.47	3.09	-4.38	≤30.00	1.60	-2.78	≤36.00	PASS
11B	Ant1	2437	-7.16	3.09	-4.07	≤30.00	1.60	-2.47	≤36.00	PASS
11B	Ant1	2462	-7.85	3.09	-4.76	≤30.00	1.60	-3.16	≤36.00	PASS
11G	Ant1	2412	-7.00	3.54	-3.46	≤30.00	1.60	-1.86	≤36.00	PASS
11G	Ant1	2437	-7.92	2.85	-5.07	≤30.00	1.60	-3.47	≤36.00	PASS
11G	Ant1	2462	-8.15	2.85	-5.30	≤30.00	1.60	-3.70	≤36.00	PASS
11N20SISO	Ant1	2412	-5.23	3.01	-2.22	≤30.00	1.60	-0.62	≤36.00	PASS
11N20SISO	Ant1	2437	-7.40	3.01	-4.39	≤30.00	1.60	-2.79	≤36.00	PASS
11N20SISO	Ant1	2462	-6.32	3.01	-3.31	≤30.00	1.60	-1.71	≤36.00	PASS
11N40SISO	Ant1	2422	-4.90	3.29	-1.61	≤30.00	1.60	-0.01	≤36.00	PASS
11N40SISO	Ant1	2437	-5.34	3.29	-2.05	≤30.00	1.60	-0.45	≤36.00	PASS
11N40SISO	Ant1	2452	-5.77	3.29	-2.48	≤30.00	1.60	-0.88	≤36.00	PASS
11AX20SISO	Ant1	2412	-5.08	3.54	-1.54	≤30.00	1.60	0.06	≤36.00	PASS
11AX20SISO	Ant1	2437	-5.96	3.54	-2.42	≤30.00	1.60	-0.82	≤36.00	PASS
11AX20SISO	Ant1	2462	-6.35	3.54	-2.81	≤30.00	1.60	-1.21	≤36.00	PASS
11AX40SISO	Ant1	2422	-6.75	3.54	-3.21	≤30.00	1.60	-1.61	≤36.00	PASS
11AX40SISO	Ant1	2437	-5.99	3.54	-2.45	≤30.00	1.60	-0.85	≤36.00	PASS
11AX40SISO	Ant1	2452	-7.68	3.54	-4.14	≤30.00	1.60	-2.54	≤36.00	PASS

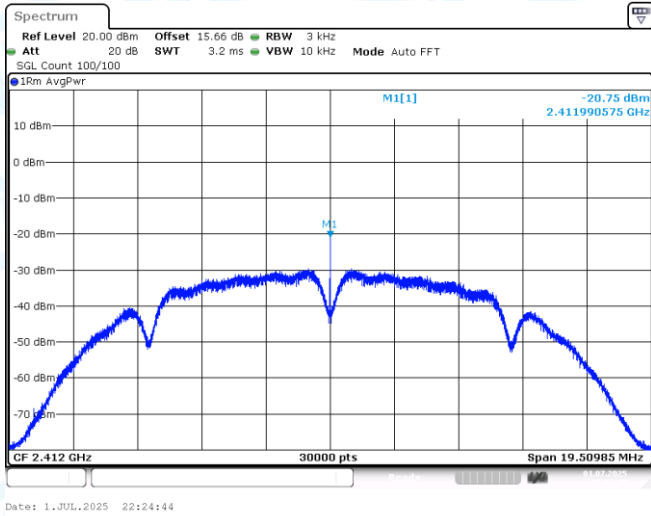
4: Maximum power spectral density

4.1 Test Result

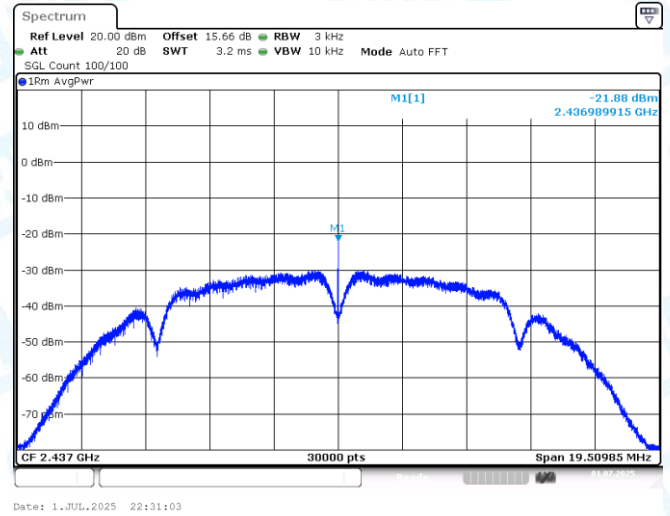
TestMode	Ant.	Frequency [MHz]	RawData [dBm/3kHz]	DC Factor	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-20.75	3.09	-17.66	≤8.00	PASS
11B	Ant1	2437	-21.88	3.09	-18.79	≤8.00	PASS
11B	Ant1	2462	-22.88	3.09	-19.79	≤8.00	PASS
11G	Ant1	2412	-36.83	3.54	-33.29	≤8.00	PASS
11G	Ant1	2437	-34.58	2.85	-31.73	≤8.00	PASS
11G	Ant1	2462	-36.95	2.85	-34.10	≤8.00	PASS
11N20SISO	Ant1	2412	-30.66	3.01	-27.65	≤8.00	PASS
11N20SISO	Ant1	2437	-34.84	3.01	-31.83	≤8.00	PASS
11N20SISO	Ant1	2462	-34.53	3.01	-31.52	≤8.00	PASS
11N40SISO	Ant1	2422	-34.85	3.29	-31.56	≤8.00	PASS
11N40SISO	Ant1	2437	-32.82	3.29	-29.53	≤8.00	PASS
11N40SISO	Ant1	2452	-33.18	3.29	-29.89	≤8.00	PASS
11AX20SISO	Ant1	2412	-32.88	3.54	-29.34	≤8.00	PASS
11AX20SISO	Ant1	2437	-34.43	3.54	-30.89	≤8.00	PASS
11AX20SISO	Ant1	2462	-34.32	3.54	-30.78	≤8.00	PASS
11AX40SISO	Ant1	2422	-35.2	3.54	-31.66	≤8.00	PASS
11AX40SISO	Ant1	2437	-33.09	3.54	-29.55	≤8.00	PASS
11AX40SISO	Ant1	2452	-32.95	3.54	-29.41	≤8.00	PASS

Note: input compensation coefficient (dB)= Cable Loss (dB)+ Attenuator factor

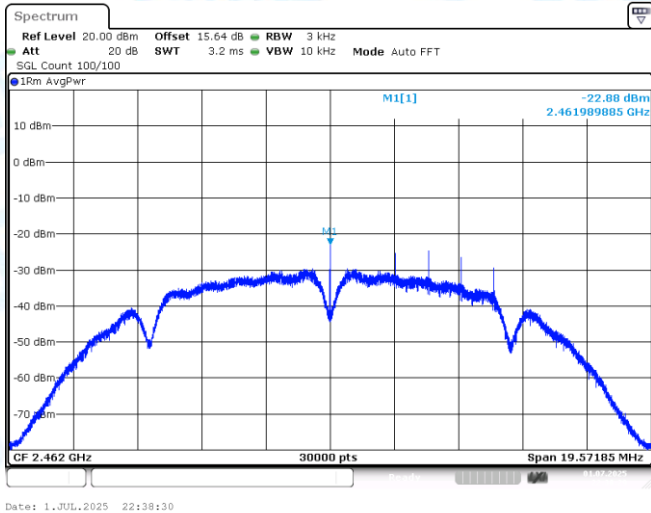
4.2 Test Graphs



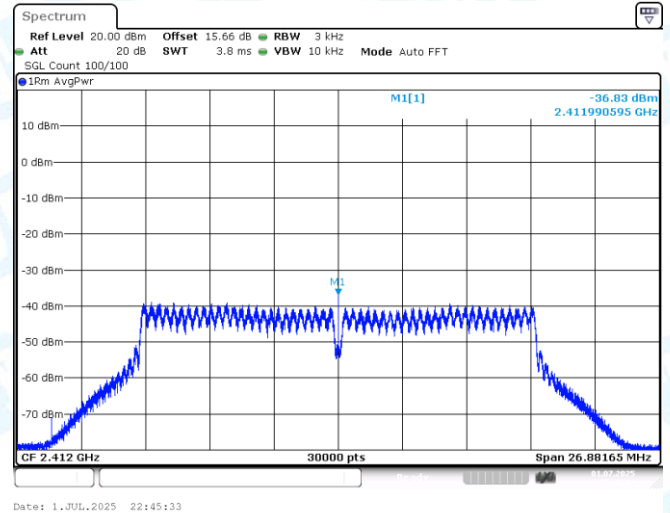
11B-Ant1-2412-PASS



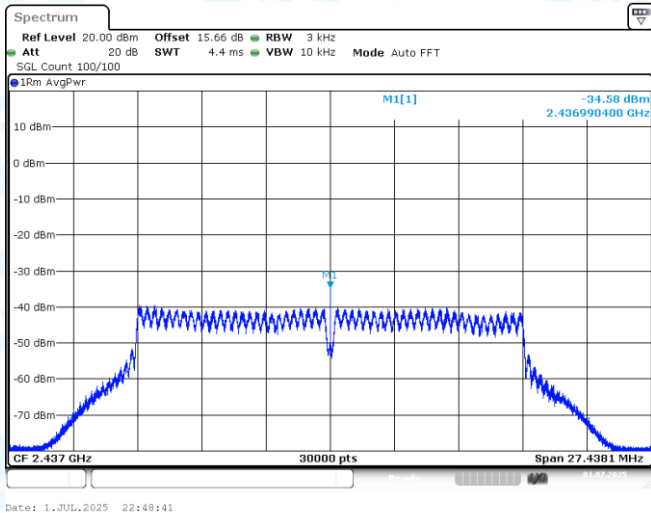
11B-Ant1-2437-PASS



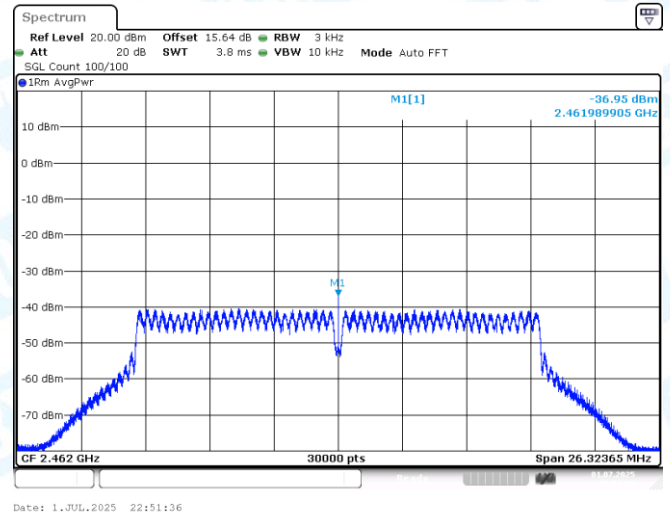
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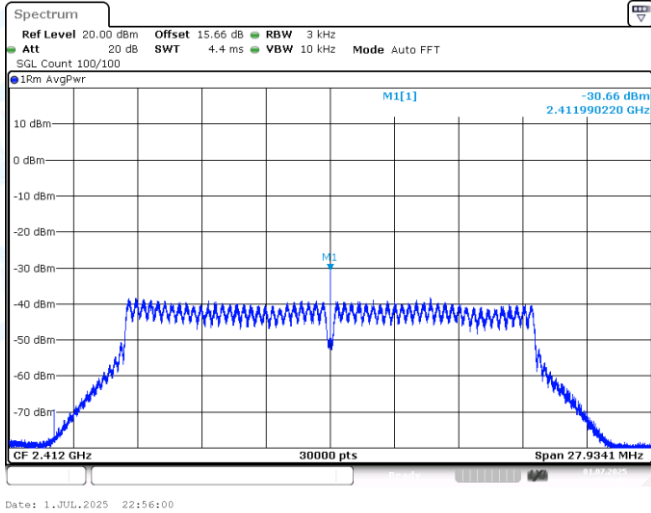
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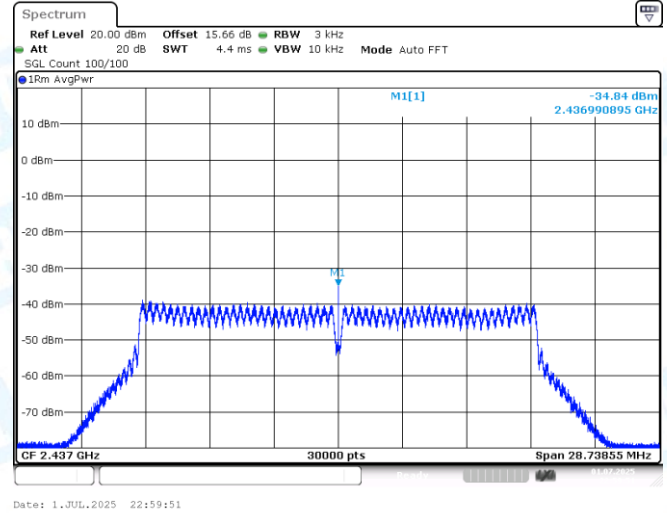
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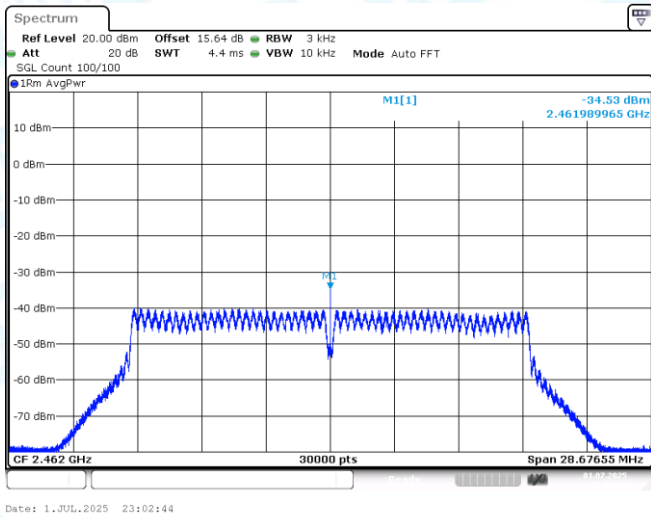
11G-Ant1-2462-PASS



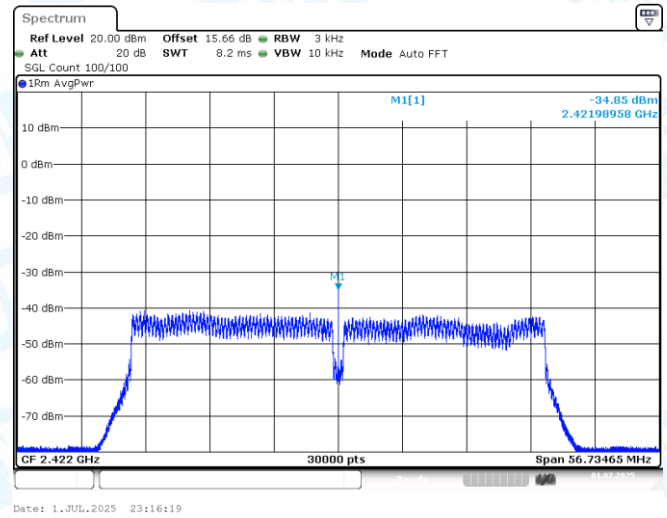
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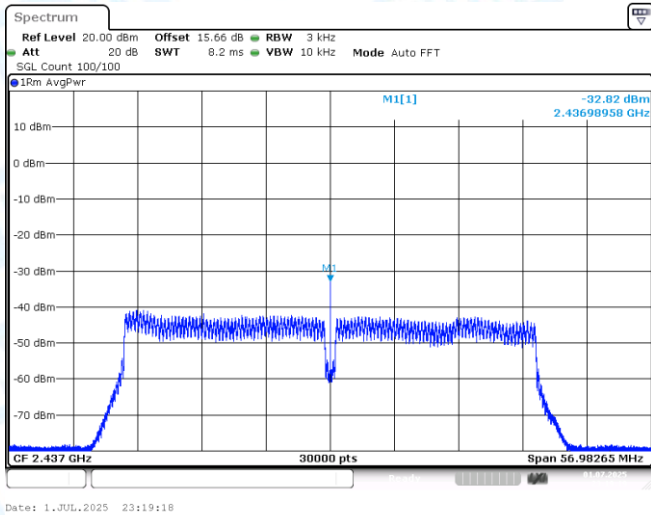
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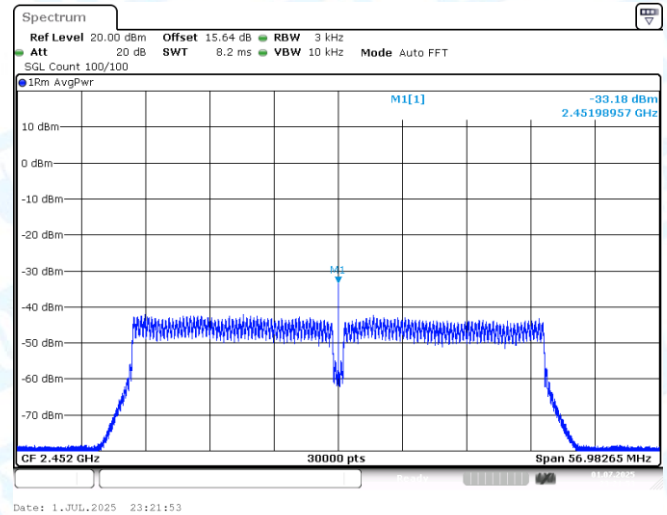
11N20SISO-Ant1-2462-PASS



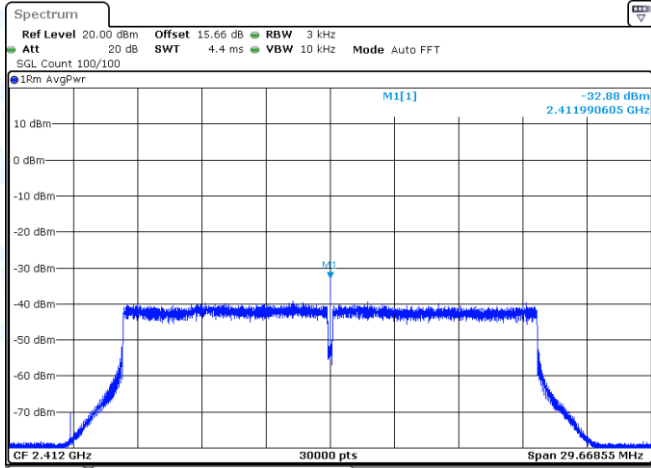
11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS

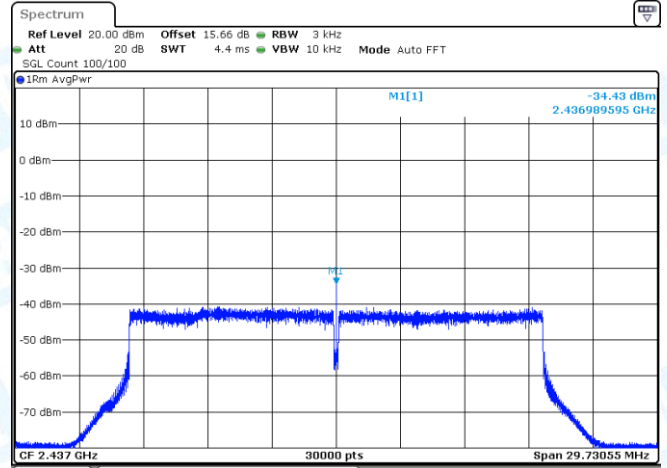


11N40SISO-Ant1-2452-PASS



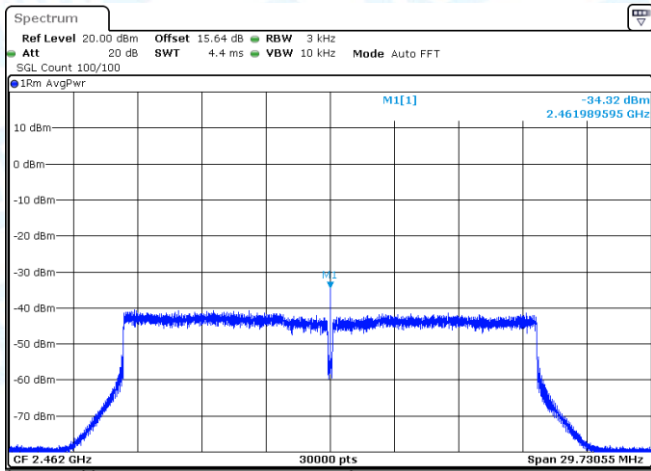
Date: 1.JUL.2025 23:07:33

11AX20SISO-Ant1-2412-PASS



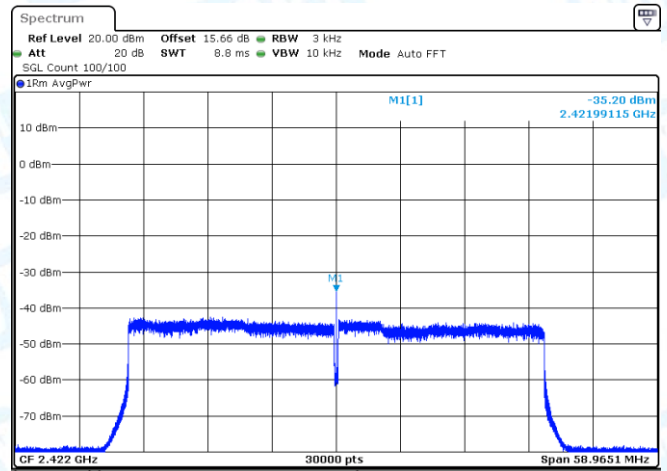
Date: 1.JUL.2025 23:10:27

11AX20SISO-Ant1-2437-PASS



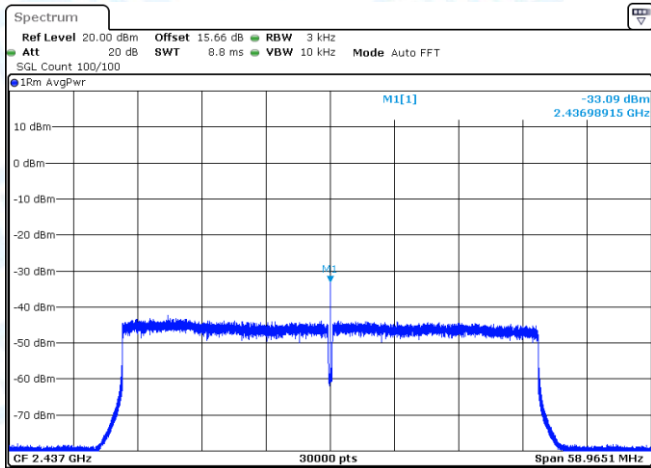
Date: 1.JUL.2025 23:13:13

11AX20SISO-Ant1-2462-PASS



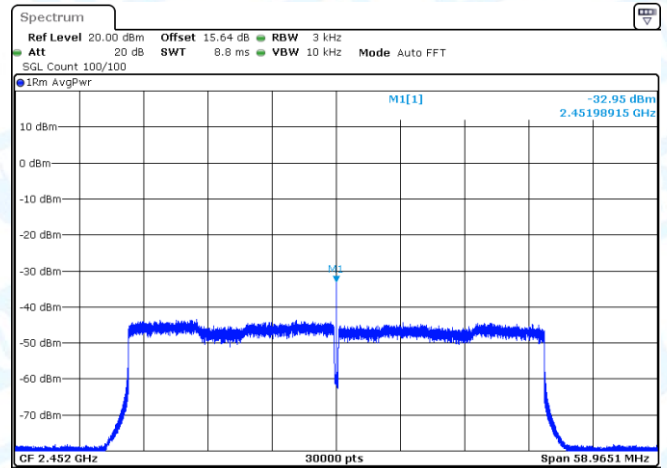
Date: 1.JUL.2025 23:25:18

11AX40SISO-Ant1-2422-PASS



Date: 1.JUL.2025 23:29:04

11AX40SISO-Ant1-2437-PASS



Date: 1.JUL.2025 23:33:15

11AX40SISO-Ant1-2452-PASS

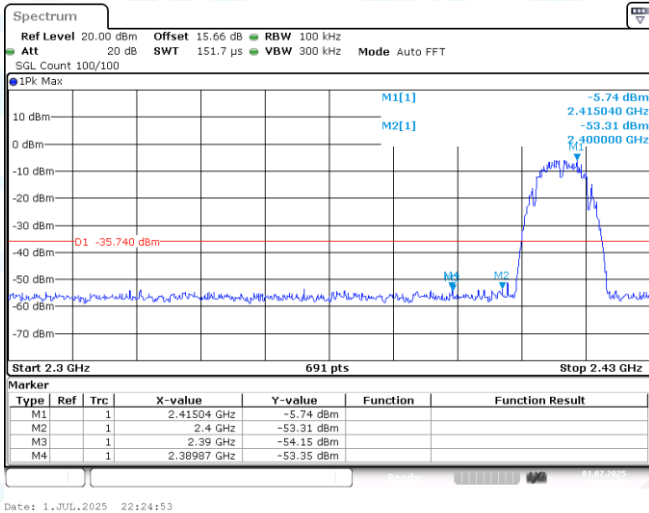
5: Band edge measurements

5.1 Test Result

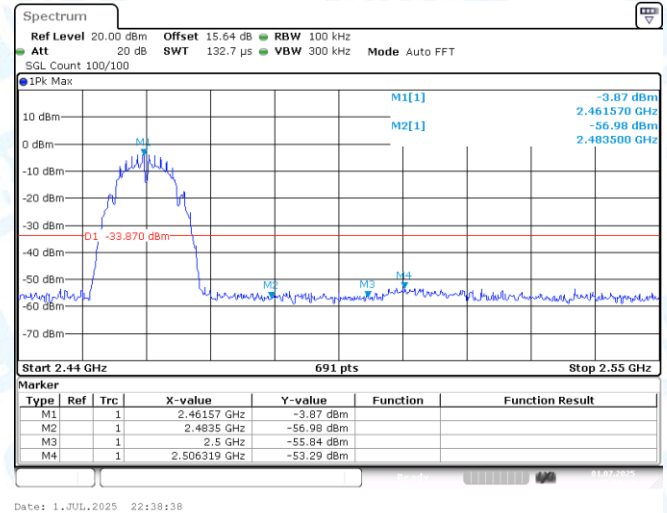
TestMode	Ant.	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-5.74	-53.35	≤-35.74	PASS
11B	Ant1	High	2462	-3.87	-53.29	≤-33.87	PASS
11G	Ant1	Low	2412	-16.42	-53.61	≤-46.42	PASS
11G	Ant1	High	2462	-18.28	-52.09	≤-48.28	PASS
11N20SISO	Ant1	Low	2412	-15.52	-52.95	≤-45.52	PASS
11N20SISO	Ant1	High	2462	-17.95	-51.87	≤-47.95	PASS
11N40SISO	Ant1	Low	2422	-17.38	-53.52	≤-47.38	PASS
11N40SISO	Ant1	High	2452	-19.15	-52.5	≤-49.15	PASS
11AX20SISO	Ant1	Low	2412	-15.36	-53.93	≤-45.36	PASS
11AX20SISO	Ant1	High	2462	-15.74	-51.93	≤-45.74	PASS
11AX40SISO	Ant1	Low	2422	-17.22	-53.77	≤-47.22	PASS
11AX40SISO	Ant1	High	2452	-19.26	-52.63	≤-49.26	PASS

Note: input compensation coefficient (dB)= Cable Loss (dB)+ Attenuator factor

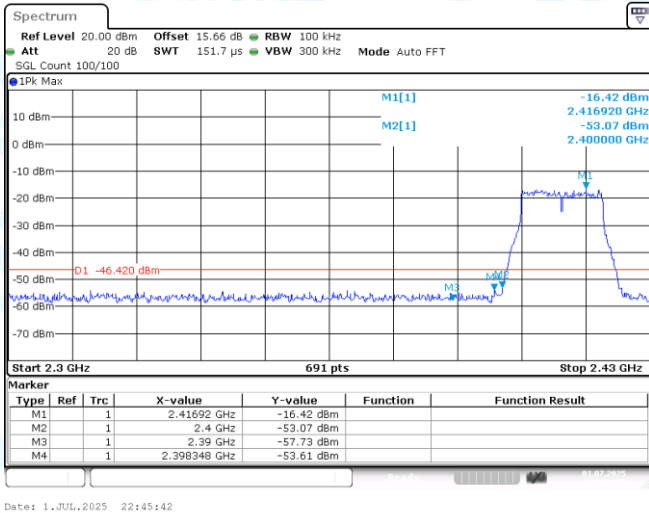
5.2 Test Graphs



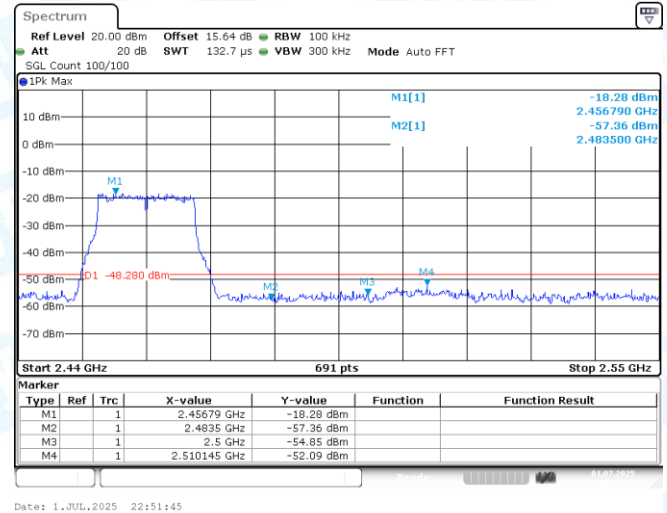
11B-Ant1-2412-PASS



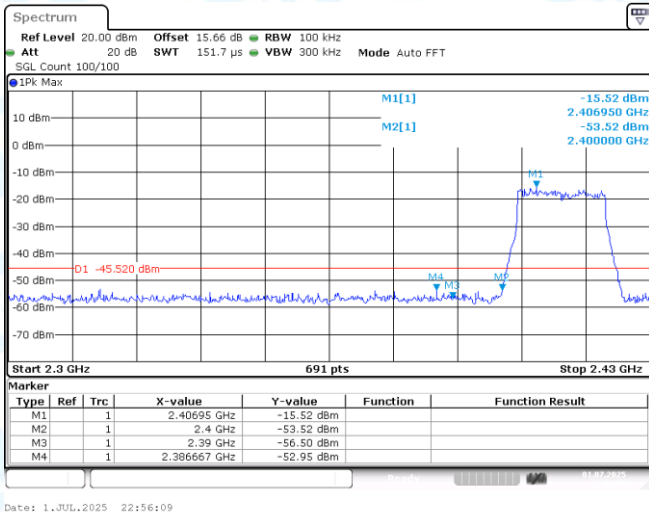
11B-Ant1-2462-PASS



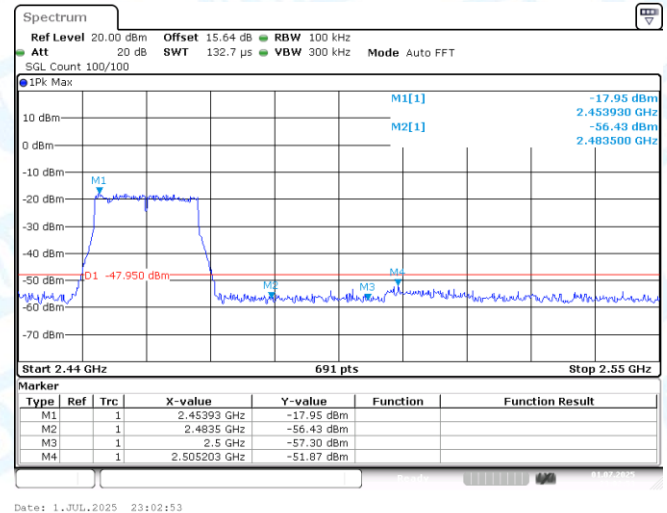
11G-Ant1-2412-PASS



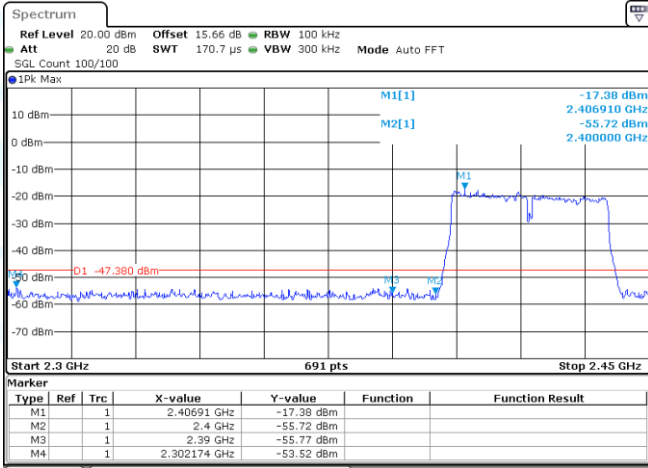
11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS

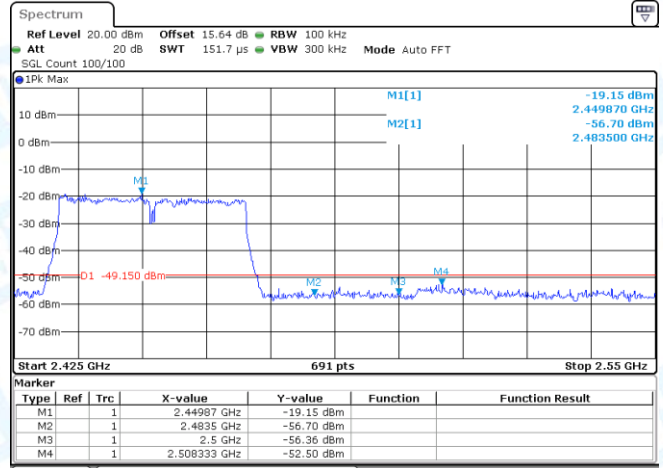


11N20SISO-Ant1-2462-PASS



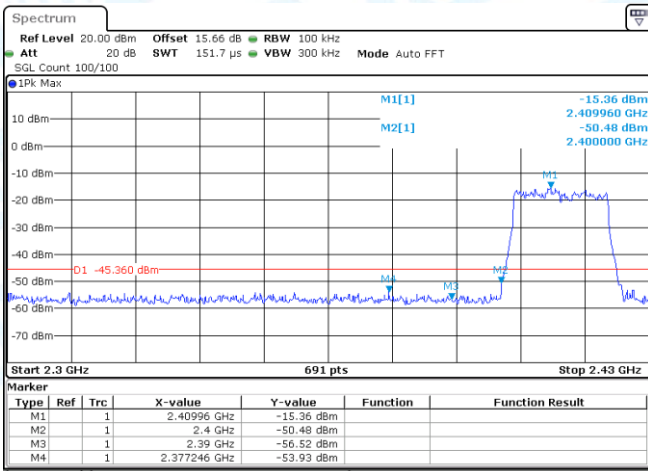
Date: 1.JUL.2025 23:16:29

11N40SISO-Ant1-2422-PASS



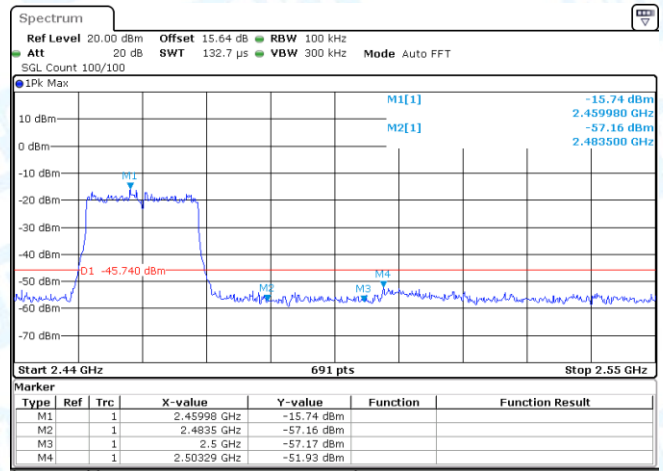
Date: 1.JUL.2025 23:22:02

11N40SISO-Ant1-2452-PASS



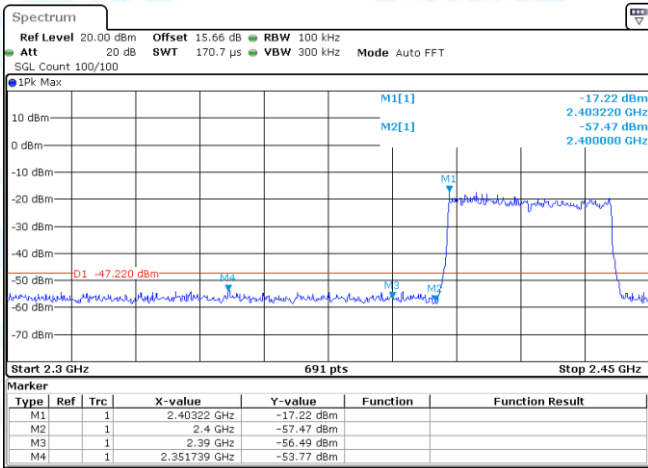
Date: 1.JUL.2025 23:07:42

11N40SISO-Ant1-2422-PASS



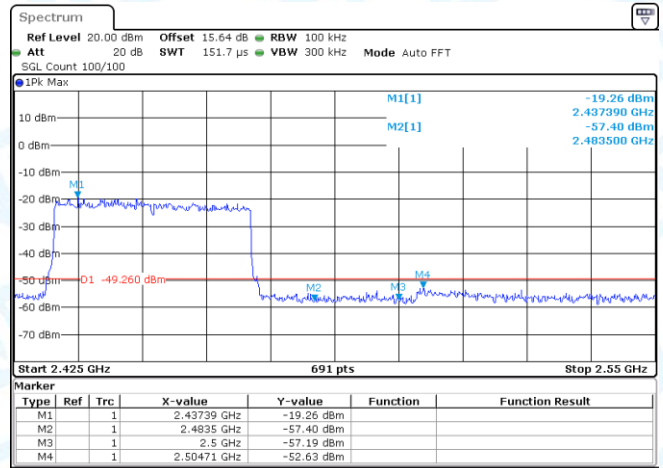
Date: 1.JUL.2025 23:13:22

11N40SISO-Ant1-2452-PASS



Date: 1.JUL.2025 23:25:28

11AX20SISO-Ant1-2412-PASS



Date: 1.JUL.2025 23:33:24

11AX20SISO-Ant1-2462-PASS



Date: 1.JUL.2025 23:25:28

11AX40SISO-Ant1-2422-PASS



Date: 1.JUL.2025 23:33:24

11AX40SISO-Ant1-2452-PASS