

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

General Description of EUT	
EUT Name:	AX3000 Dual Band Wi-Fi GPON Terminal
Model:	NP3081GA-V2
Sample ID:	HC-C-202403-0407-03-01
Test Standard:	FCC Part 15.247
Environmental Conditions	
Ambient Temperature:	24.2°C
Ambient Humidity:	48%RH
Test Power Supply:	DC 12V
Test Engineer:	ZKN Zhou
Note: For a more detailed features description, please refer to the report TBR-C-202403-0407-3.	

Contents

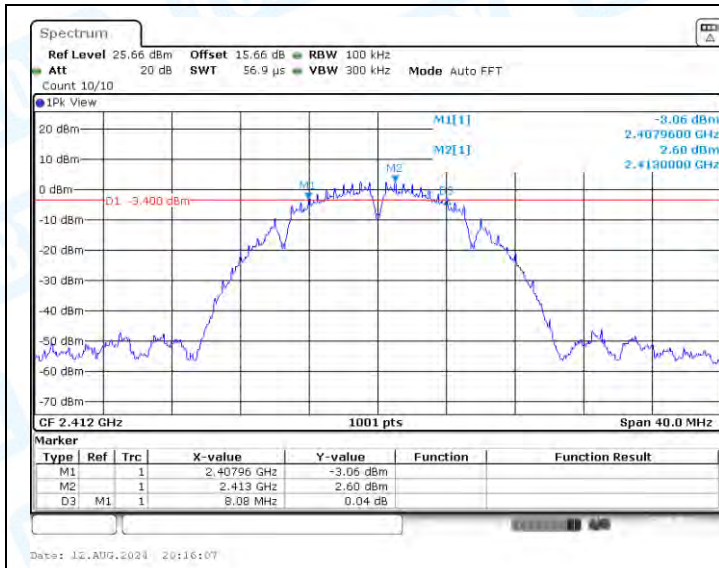
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1: DTS Bandwidth

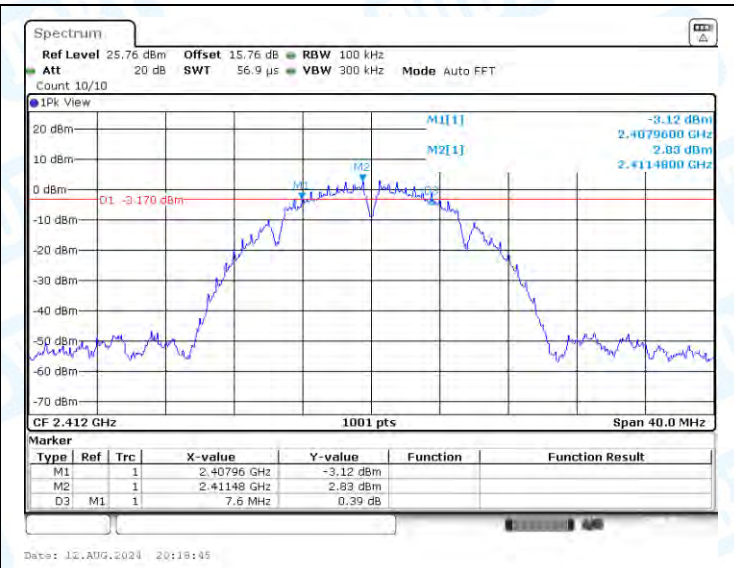
1.1 Test Result

TestMode	Ant.	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.08	2407.96	2416.04	0.5	PASS
11B	Ant2	2412	7.60	2407.96	2415.56	0.5	PASS
11B	Ant1	2437	8.00	2433.00	2441.00	0.5	PASS
11B	Ant2	2437	8.08	2432.96	2441.04	0.5	PASS
11B	Ant1	2462	8.08	2457.96	2466.04	0.5	PASS
11B	Ant2	2462	8.08	2457.96	2466.04	0.5	PASS
11G	Ant1	2412	16.32	2403.84	2420.16	0.5	PASS
11G	Ant2	2412	16.36	2403.80	2420.16	0.5	PASS
11G	Ant1	2437	15.32	2429.24	2444.56	0.5	PASS
11G	Ant2	2437	16.36	2428.80	2445.16	0.5	PASS
11G	Ant1	2462	16.32	2453.84	2470.16	0.5	PASS
11G	Ant2	2462	16.36	2453.80	2470.16	0.5	PASS
11G-CDD	Ant1	2412	16.36	2403.80	2420.16	0.5	PASS
11G-CDD	Ant2	2412	16.36	2403.80	2420.16	0.5	PASS
11G-CDD	Ant1	2437	16.44	2428.80	2445.24	0.5	PASS
11G-CDD	Ant2	2437	16.36	2428.80	2445.16	0.5	PASS
11G-CDD	Ant1	2462	16.36	2453.80	2470.16	0.5	PASS
11G-CDD	Ant2	2462	16.28	2453.84	2470.12	0.5	PASS
11N20-CDD	Ant1	2412	17.60	2403.20	2420.80	0.5	PASS
11N20-CDD	Ant2	2412	17.56	2403.20	2420.76	0.5	PASS
11N20-CDD	Ant1	2437	16.28	2428.84	2445.12	0.5	PASS
11N20-CDD	Ant2	2437	16.92	2428.24	2445.16	0.5	PASS
11N20-CDD	Ant1	2462	16.52	2453.60	2470.12	0.5	PASS
11N20-CDD	Ant2	2462	17.56	2453.20	2470.76	0.5	PASS
11N40-CDD	Ant1	2422	35.12	2404.40	2439.52	0.5	PASS
11N40-CDD	Ant2	2422	35.12	2404.40	2439.52	0.5	PASS
11N40-CDD	Ant1	2437	35.04	2419.48	2454.52	0.5	PASS
11N40-CDD	Ant2	2437	35.68	2419.08	2454.76	0.5	PASS
11N40-CDD	Ant1	2452	31.12	2434.40	2465.52	0.5	PASS
11N40-CDD	Ant2	2452	35.04	2434.48	2469.52	0.5	PASS
11AX20-CDD	Ant1	2412	16.84	2402.92	2419.76	0.5	PASS
11AX20-CDD	Ant2	2412	18.44	2402.56	2421.00	0.5	PASS
11AX20-CDD	Ant1	2437	18.80	2427.64	2446.44	0.5	PASS
11AX20-CDD	Ant2	2437	18.04	2428.20	2446.24	0.5	PASS
11AX20-CDD	Ant1	2462	16.60	2453.92	2470.52	0.5	PASS
11AX20-CDD	Ant2	2462	17.60	2453.24	2470.84	0.5	PASS
11AX40-CDD	Ant1	2422	37.60	2403.12	2440.72	0.5	PASS
11AX40-CDD	Ant2	2422	35.12	2404.40	2439.52	0.5	PASS
11AX40-CDD	Ant1	2437	35.12	2419.40	2454.52	0.5	PASS
11AX40-CDD	Ant2	2437	36.00	2418.52	2454.52	0.5	PASS
11AX40-CDD	Ant1	2452	35.12	2434.40	2469.52	0.5	PASS
11AX40-CDD	Ant2	2452	36.40	2433.12	2469.52	0.5	PASS

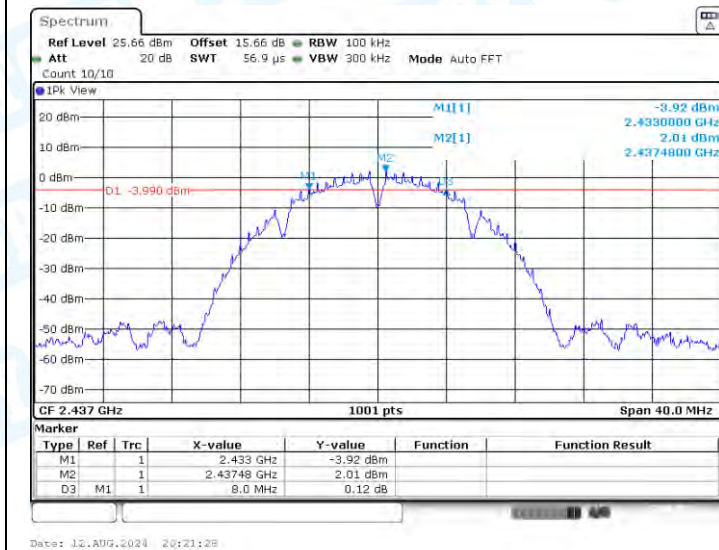
1.2 Test Graphs



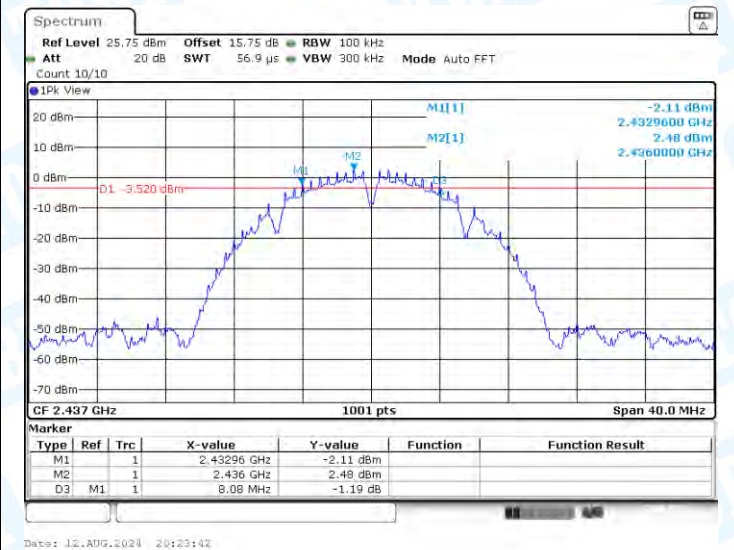
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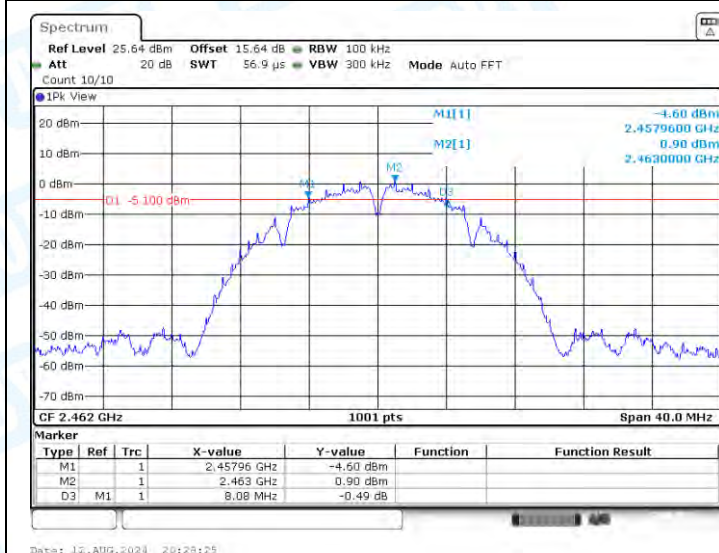
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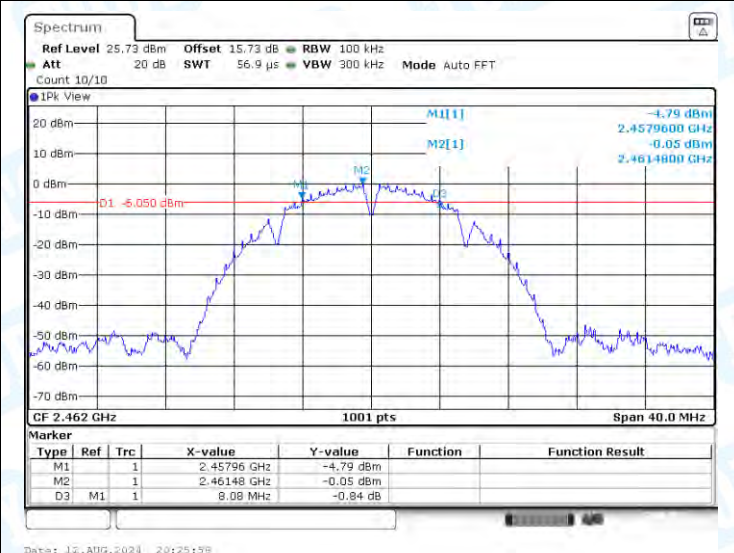
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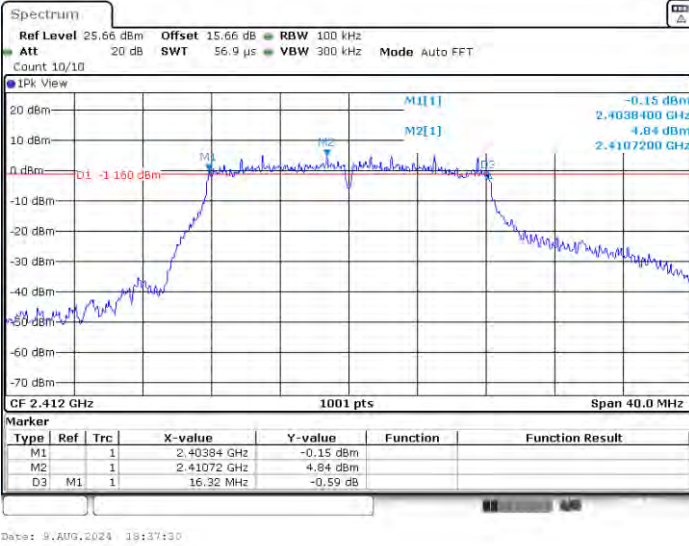
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11B-Ant1-2462-PASS

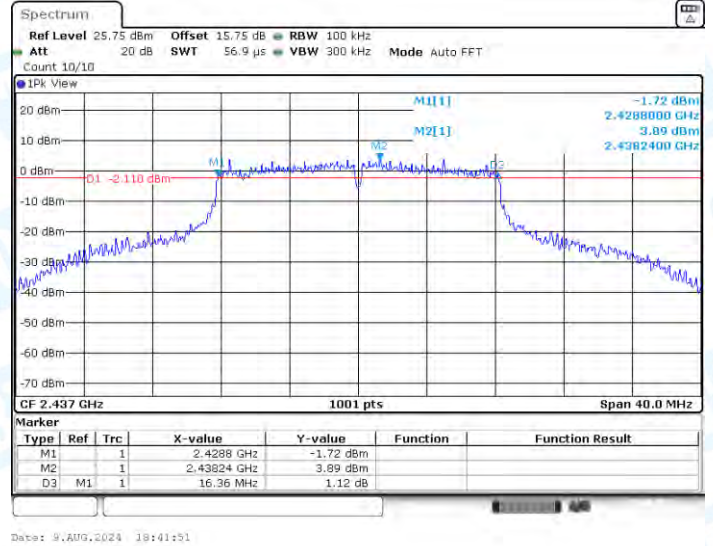
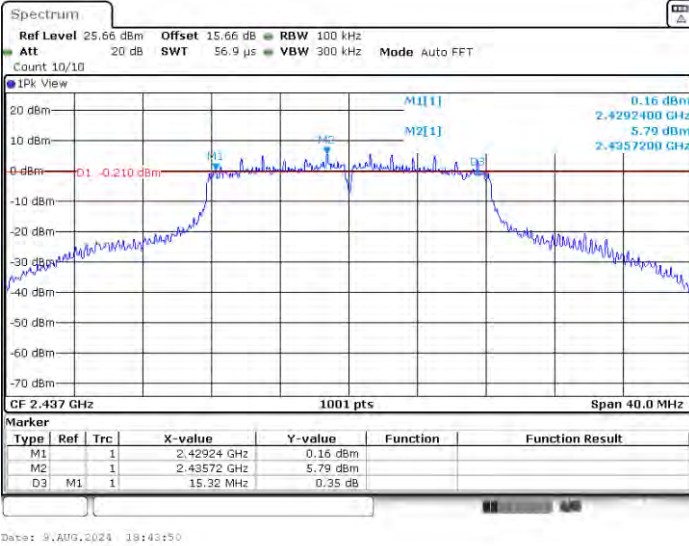


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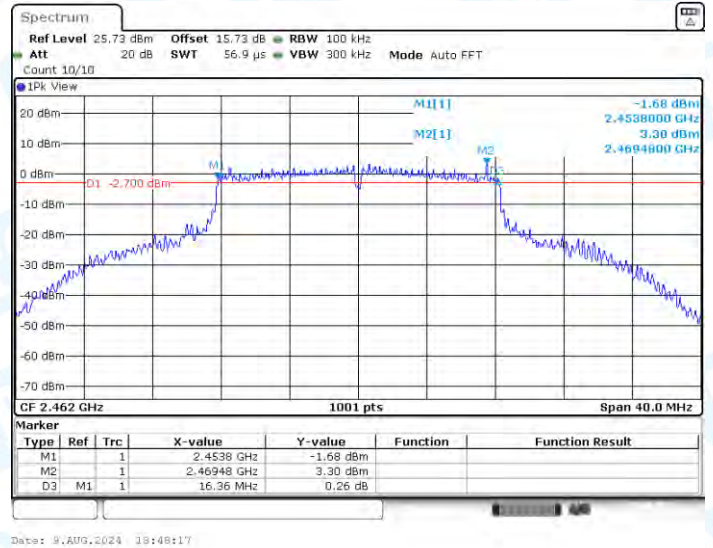
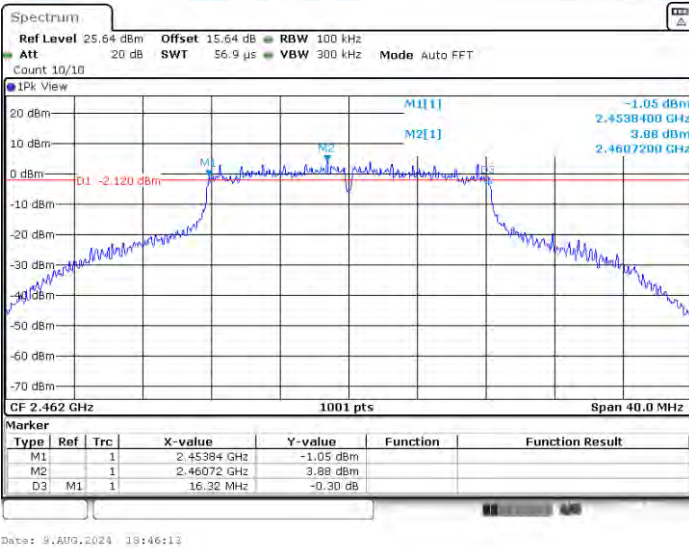
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11G-Ant2-2412-PASS



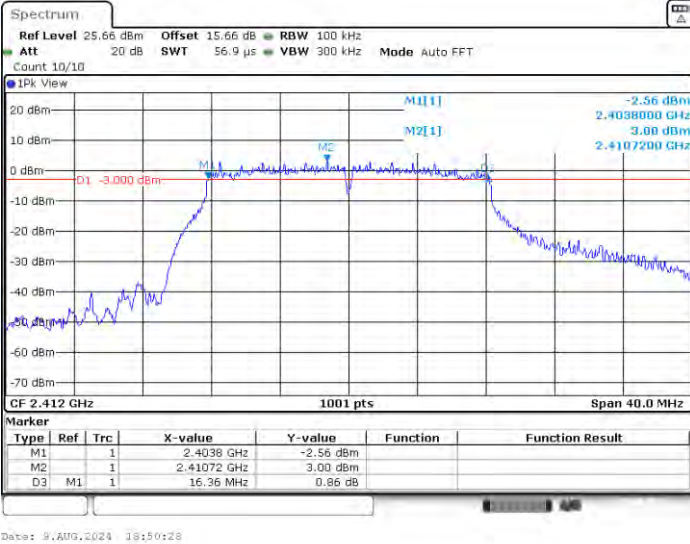
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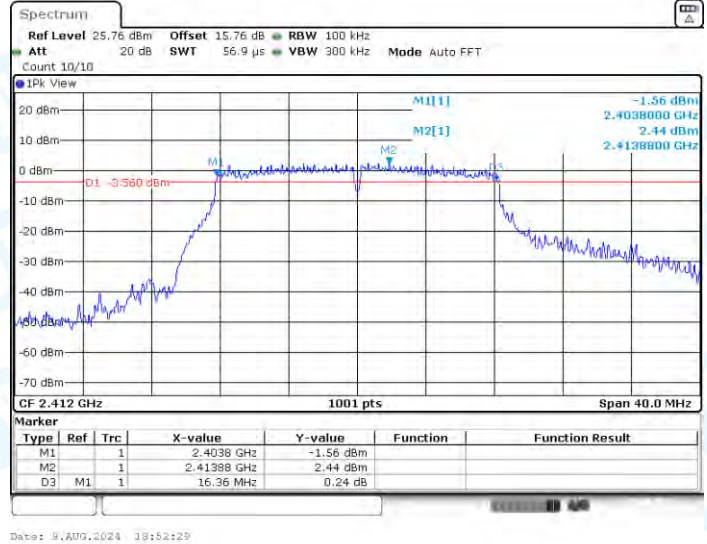


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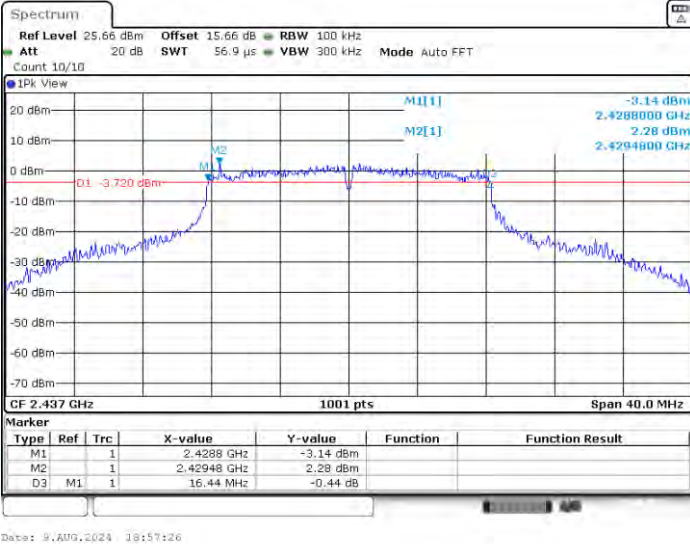
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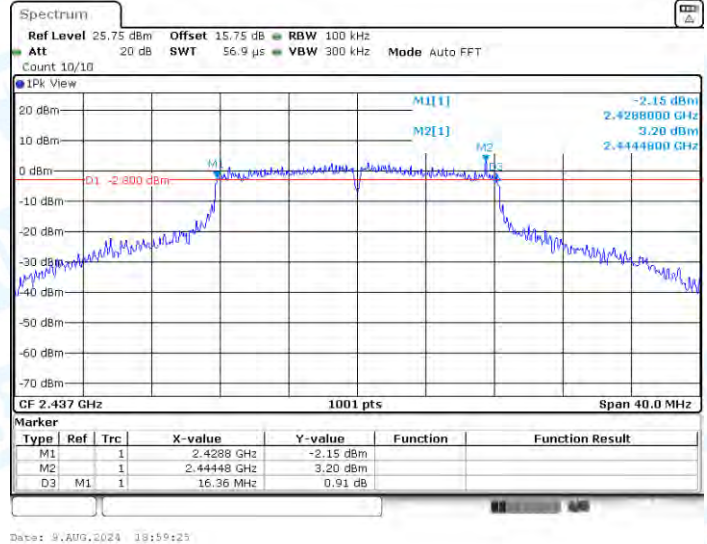
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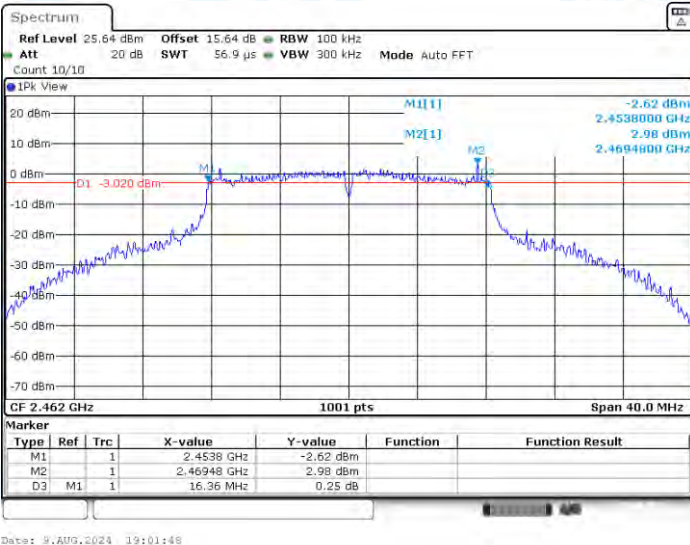
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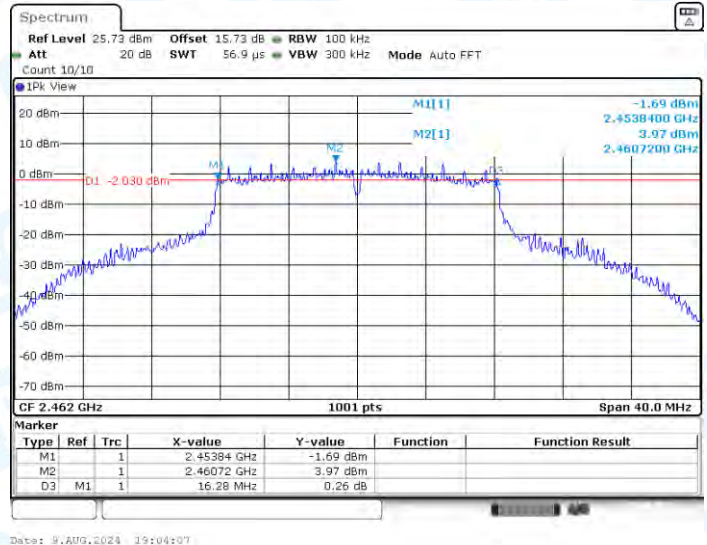
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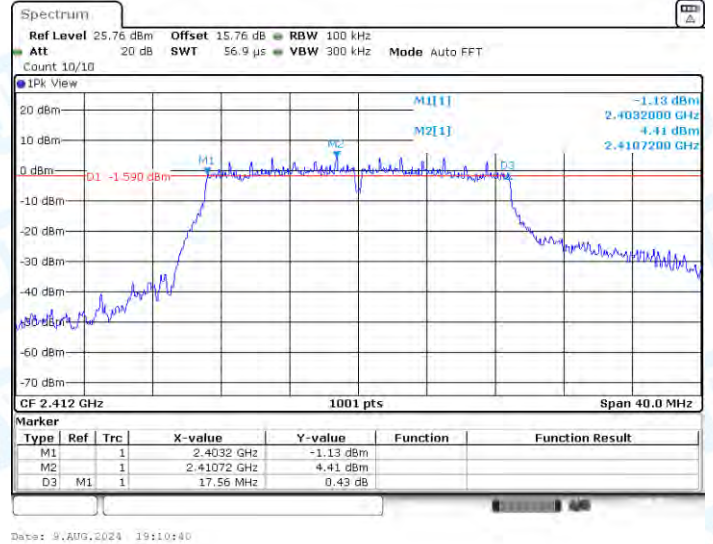
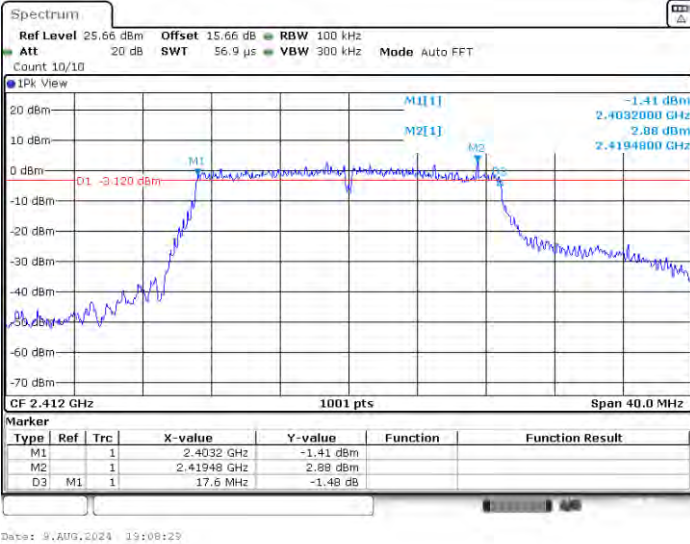
11G-CDD-Ant2-2437-PASS



11G-CDD-Ant1-2462-PASS

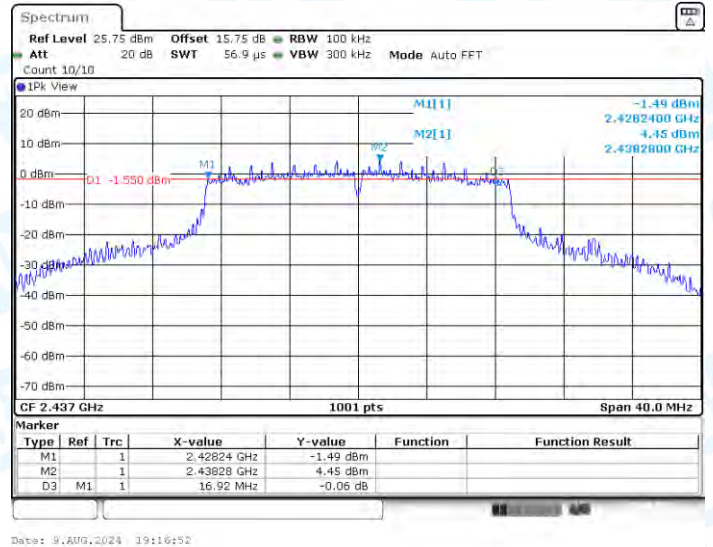
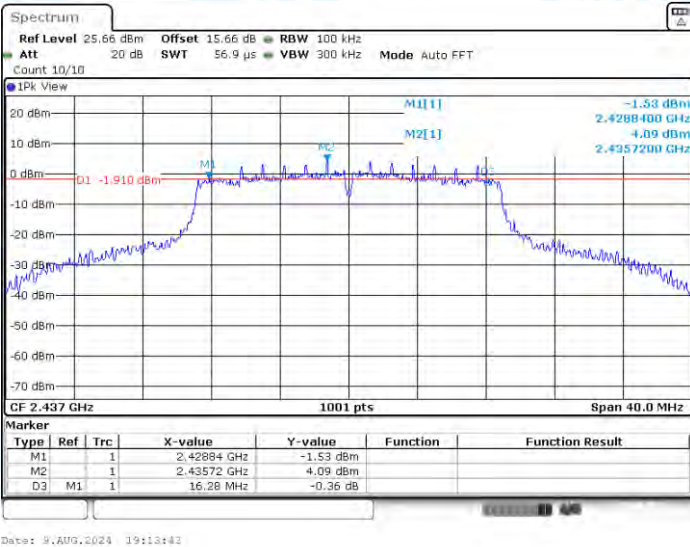


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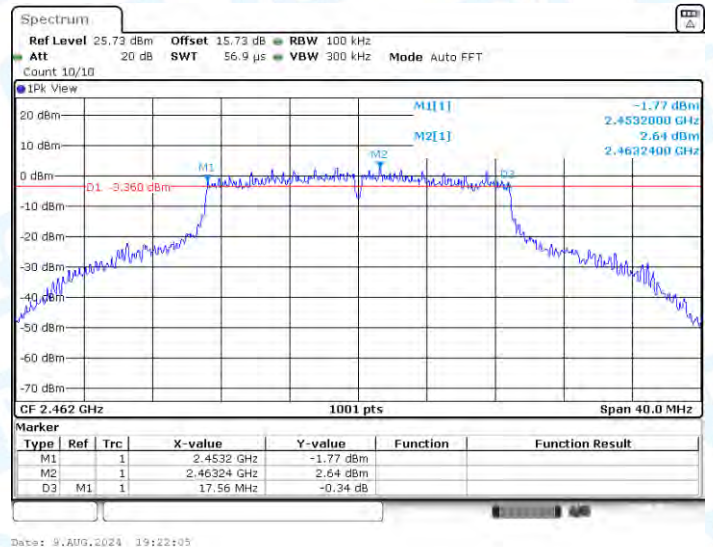
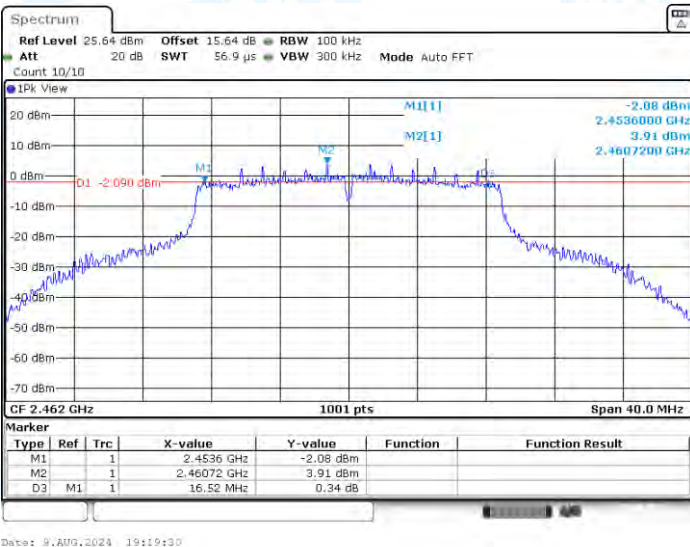
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11N20-CDD-Ant2-2412-PASS



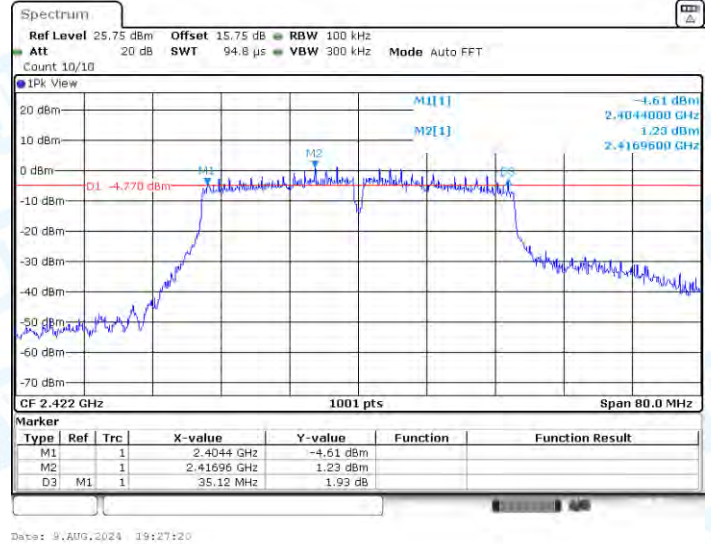
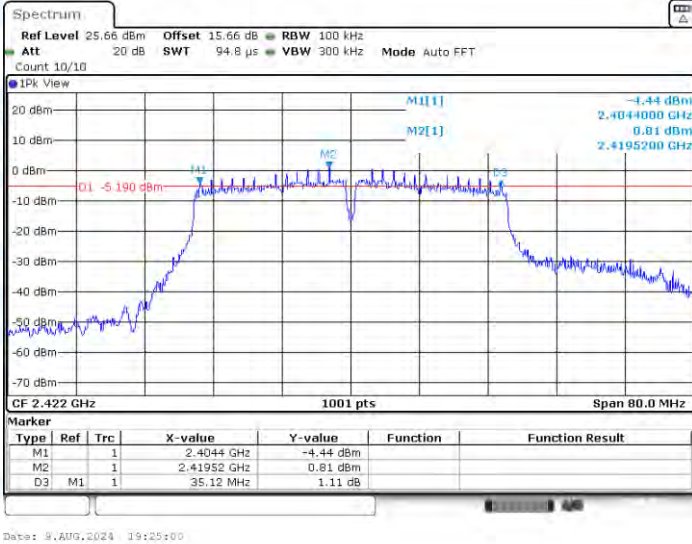
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11N20-CDD-Ant2-2437-PASS



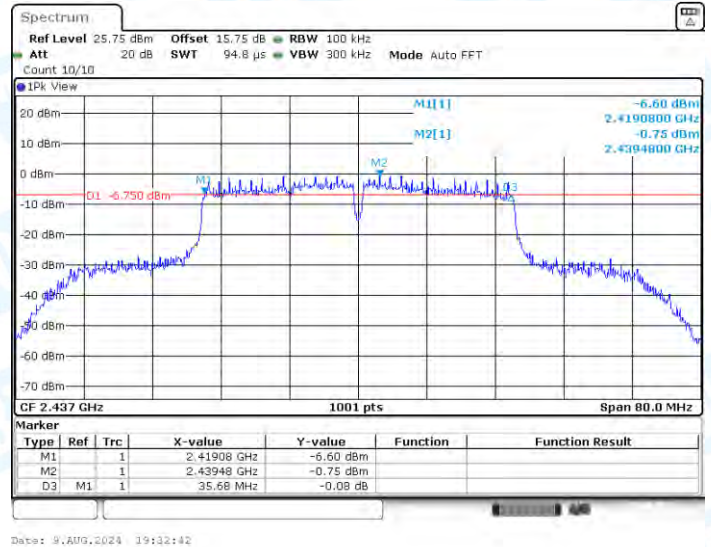
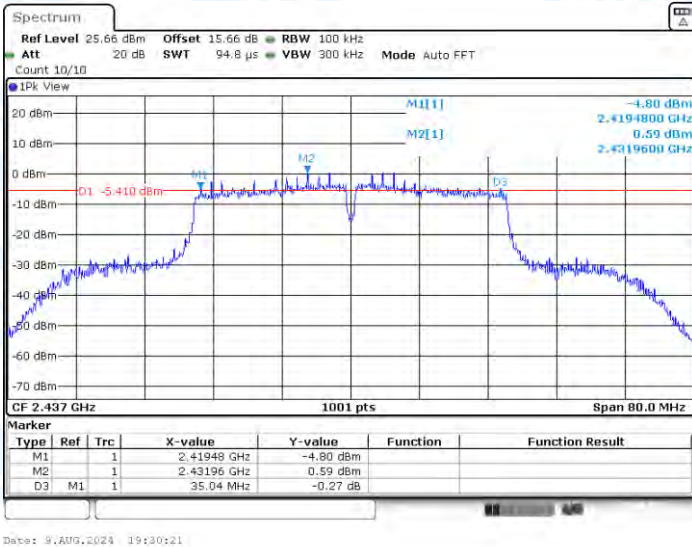
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11N20-CDD-Ant2-2462-PASS



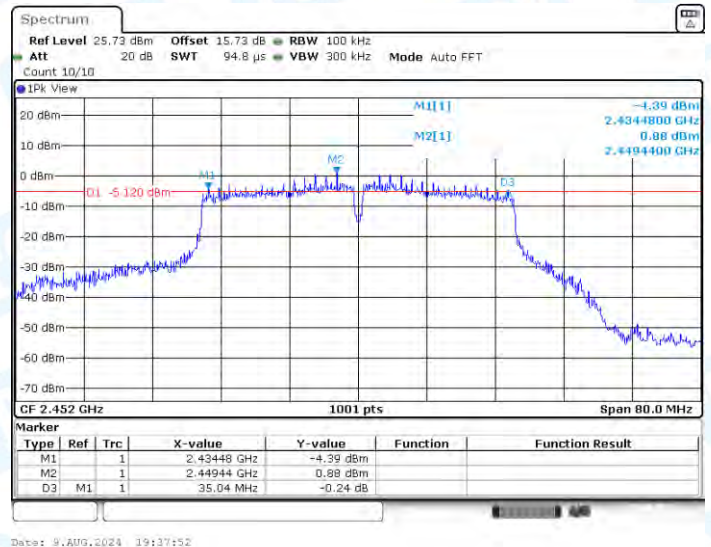
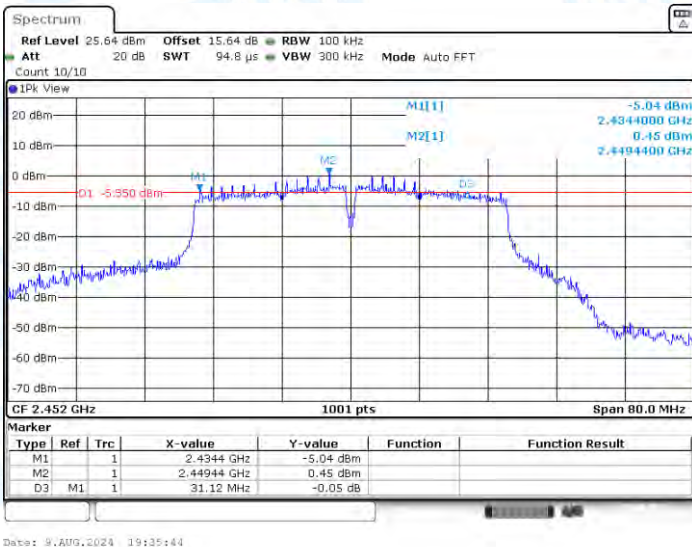
11N40-CDD-Ant1-2422-PASS

11N40-CDD-Ant2-2422-PASS



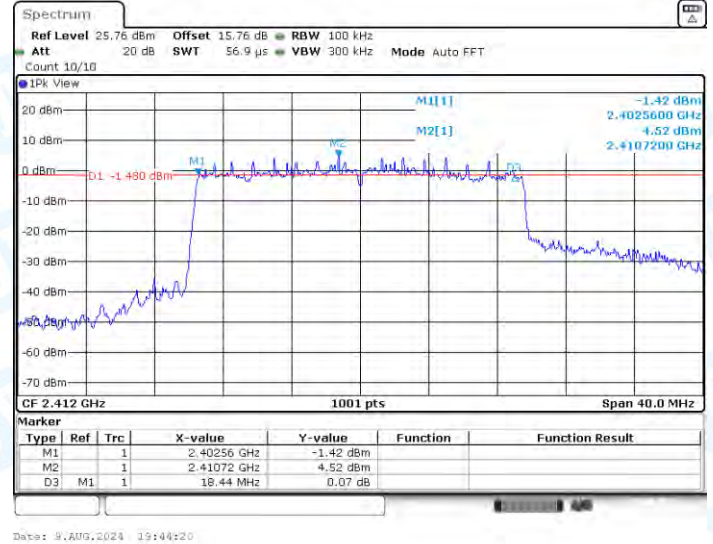
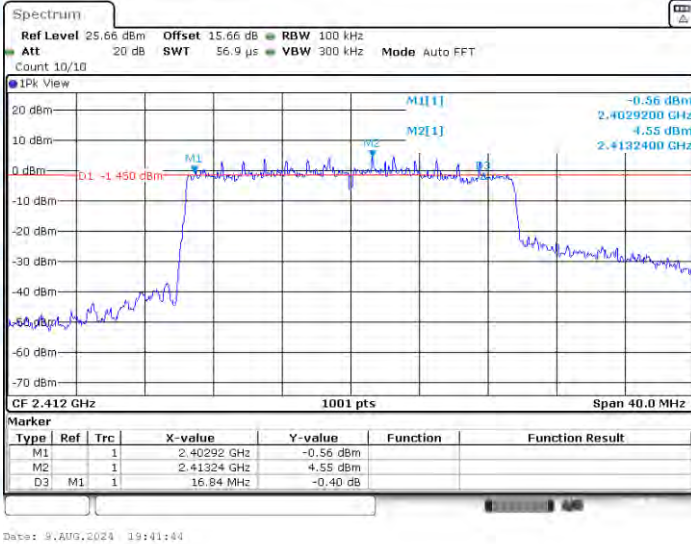
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11N40-CDD-Ant2-2437-PASS

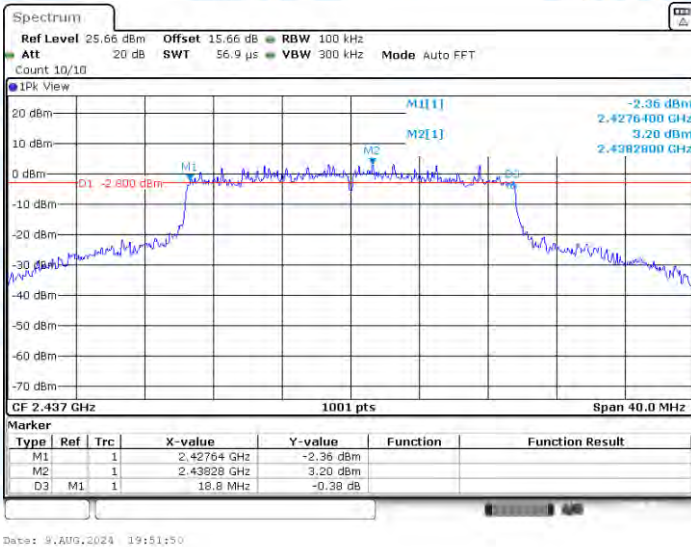


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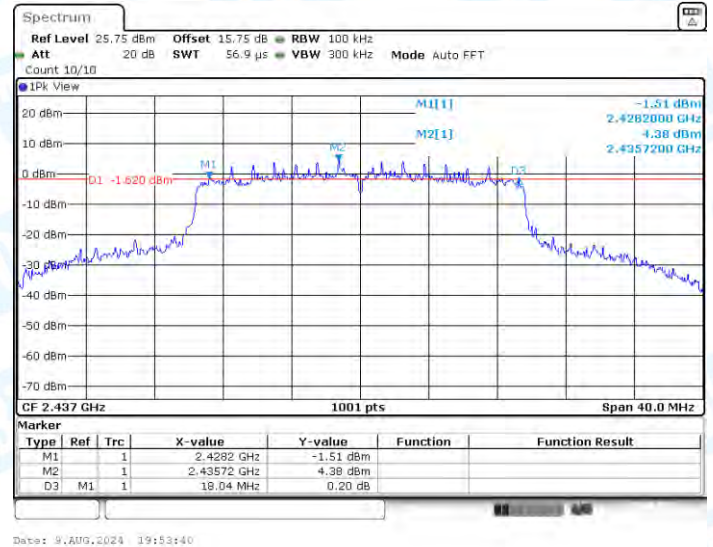
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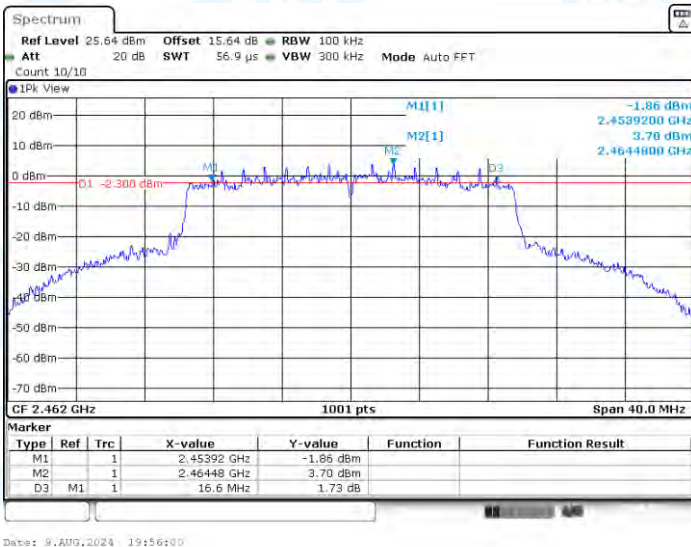
11AX20-CDD-Ant1-2412-PASS



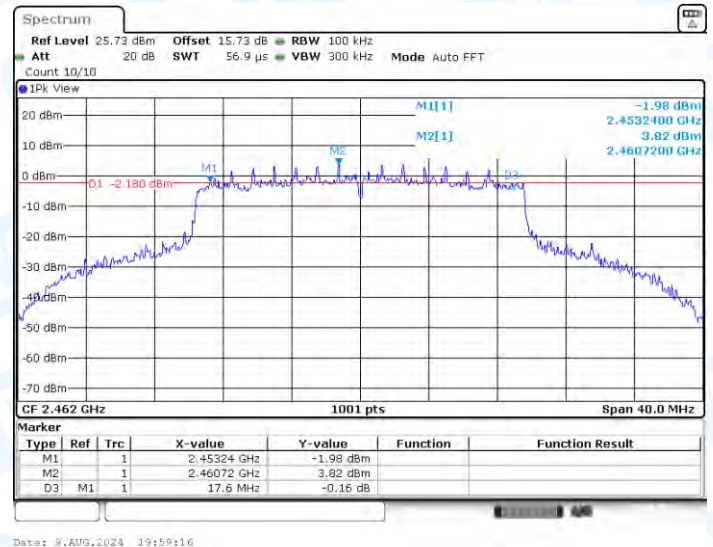
11AX20-CDD-Ant2-2412-PASS



11AX20-CDD-Ant1-2437-PASS

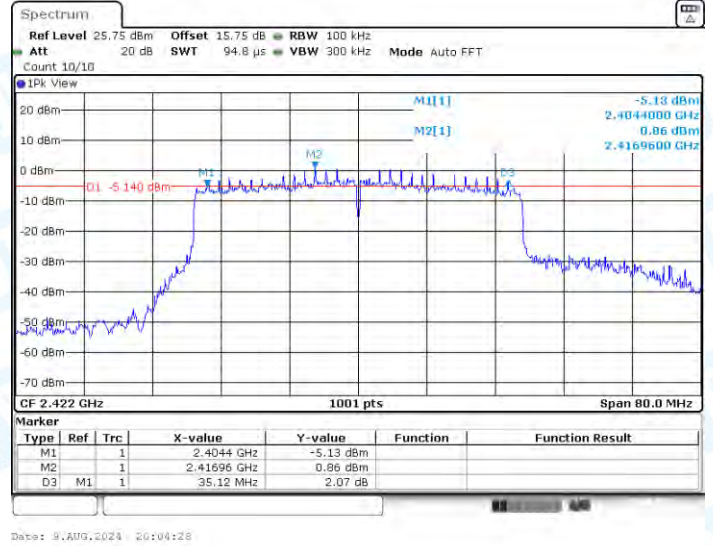


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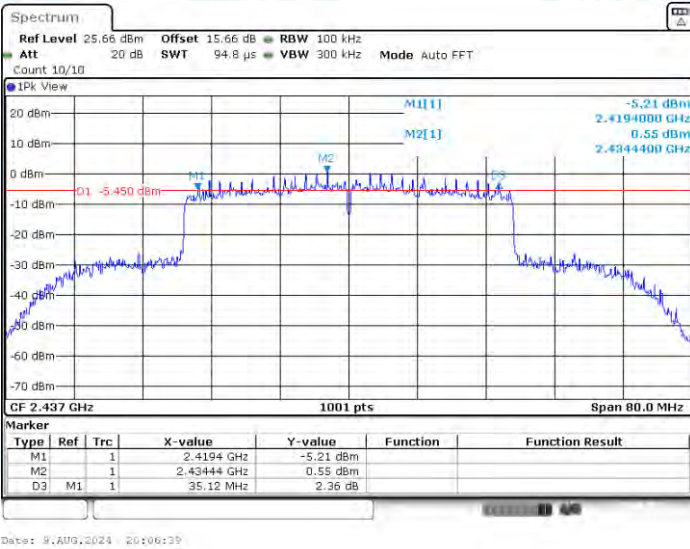


11AX20-CDD-Ant1-2462-PASS

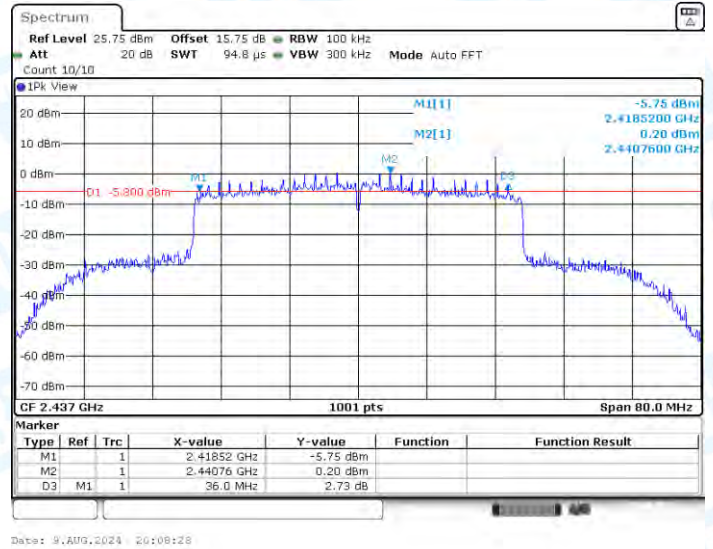
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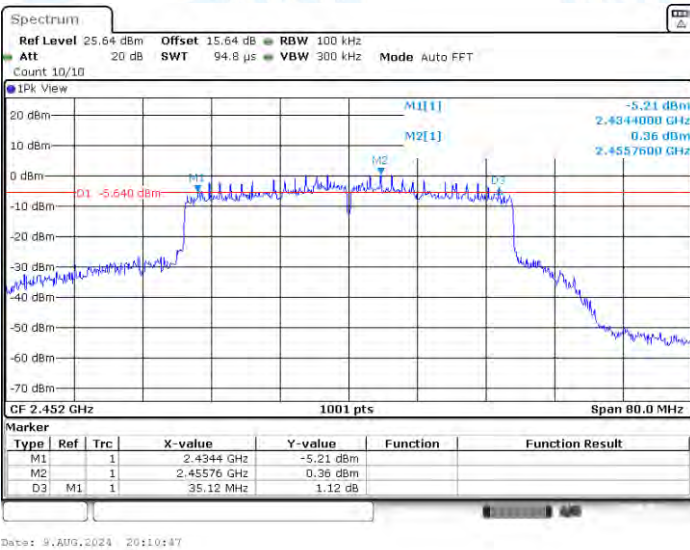
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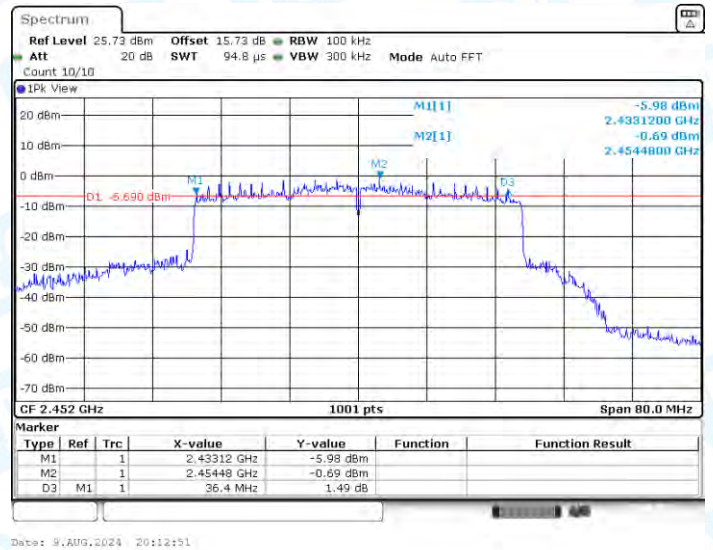
11AX40-CDD-Ant2-2422-PASS



11AX40-CDD-Ant1-2437-PASS



11AX40-CDD-Ant2-2437-PASS



11AX40-CDD-Ant1-2452-PASS

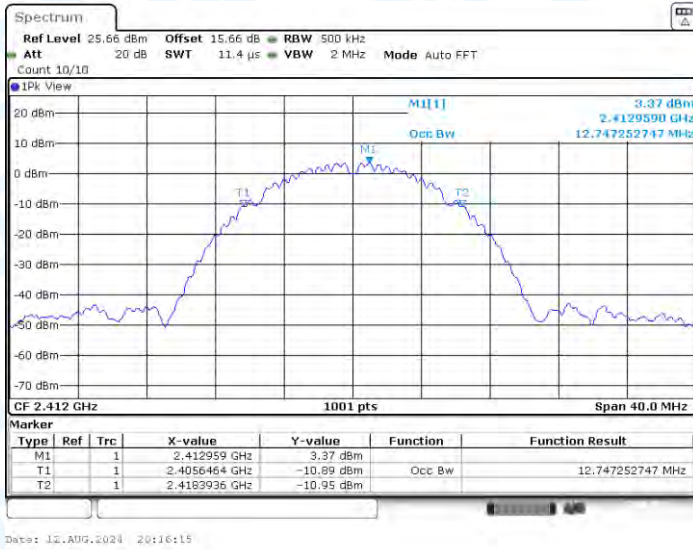
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2: Occupied Channel Bandwidth

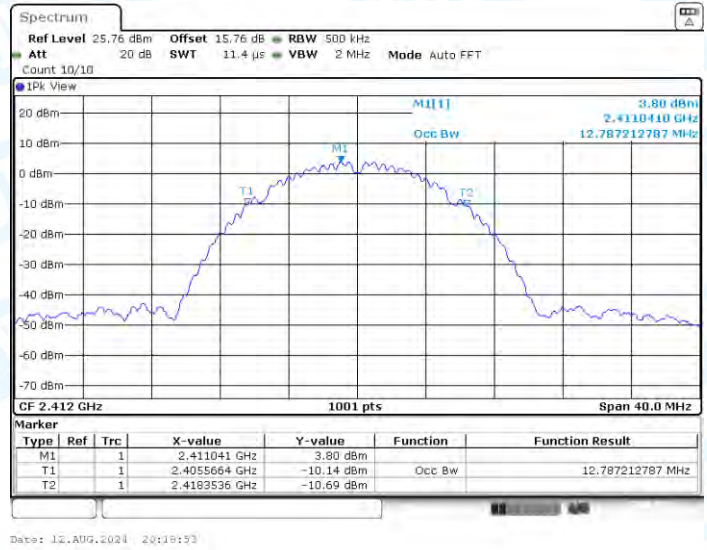
2.1 Test Result

TestMode	Ant.	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.747	2405.6464	2418.3936	---	---
11B	Ant2	2412	12.787	2405.5664	2418.3536	---	---
11B	Ant1	2437	12.747	2430.6464	2443.3936	---	---
11B	Ant2	2437	12.747	2430.5664	2443.3137	---	---
11B	Ant1	2462	12.747	2455.6464	2468.3936	---	---
11B	Ant2	2462	12.787	2455.5664	2468.3536	---	---
11G	Ant1	2412	17.223	2403.4486	2420.6713	---	---
11G	Ant2	2412	17.023	2403.5285	2420.5514	---	---
11G	Ant1	2437	17.383	2428.0490	2445.4316	---	---
11G	Ant2	2437	17.103	2428.4885	2445.5914	---	---
11G	Ant1	2462	17.343	2453.2088	2470.5514	---	---
11G	Ant2	2462	16.943	2453.4885	2470.4316	---	---
11G-CDD	Ant1	2412	17.103	2403.4486	2420.5514	---	---
11G-CDD	Ant2	2412	17.143	2403.4486	2420.5914	---	---
11G-CDD	Ant1	2437	17.223	2428.1289	2445.3516	---	---
11G-CDD	Ant2	2437	17.183	2428.4885	2445.6713	---	---
11G-CDD	Ant1	2462	17.263	2453.2887	2470.5514	---	---
11G-CDD	Ant2	2462	16.983	2453.4486	2470.4316	---	---
11N20-CDD	Ant1	2412	18.222	2402.9690	2421.1908	---	---
11N20-CDD	Ant2	2412	18.062	2403.0090	2421.0709	---	---
11N20-CDD	Ant1	2437	18.422	2427.7692	2446.1908	---	---
11N20-CDD	Ant2	2437	18.142	2427.8891	2446.0310	---	---
11N20-CDD	Ant1	2462	18.462	2452.7692	2471.2308	---	---
11N20-CDD	Ant2	2462	18.222	2452.8092	2471.0310	---	---
11N40-CDD	Ant1	2422	36.124	2403.9381	2440.0619	---	---
11N40-CDD	Ant2	2422	36.124	2403.9381	2440.0619	---	---
11N40-CDD	Ant1	2437	36.603	2418.5385	2455.1419	---	---
11N40-CDD	Ant2	2437	36.603	2418.4585	2455.0619	---	---
11N40-CDD	Ant1	2452	36.683	2433.4585	2470.1419	---	---
11N40-CDD	Ant2	2452	36.763	2433.5385	2470.3017	---	---
11AX20-CDD	Ant1	2412	18.981	2402.5295	2421.5105	---	---
11AX20-CDD	Ant2	2412	19.021	2402.4895	2421.5105	---	---
11AX20-CDD	Ant1	2437	19.101	2427.4496	2446.5504	---	---
11AX20-CDD	Ant2	2437	19.261	2427.2897	2446.5504	---	---
11AX20-CDD	Ant1	2462	19.181	2452.4096	2471.5904	---	---
11AX20-CDD	Ant2	2462	19.181	2452.4096	2471.5904	---	---
11AX40-CDD	Ant1	2422	37.722	2403.0589	2440.7812	---	---
11AX40-CDD	Ant2	2422	37.483	2403.2987	2440.7812	---	---
11AX40-CDD	Ant1	2437	38.282	2417.8991	2456.1808	---	---
11AX40-CDD	Ant2	2437	37.722	2418.0589	2455.7812	---	---
11AX40-CDD	Ant1	2452	37.962	2432.8991	2470.8611	---	---
11AX40-CDD	Ant2	2452	38.202	2432.6593	2470.8611	---	---

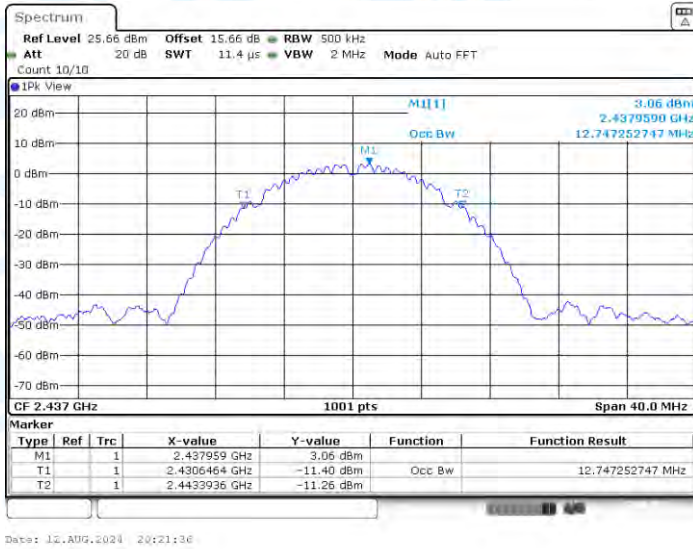
2.2 Test Graphs



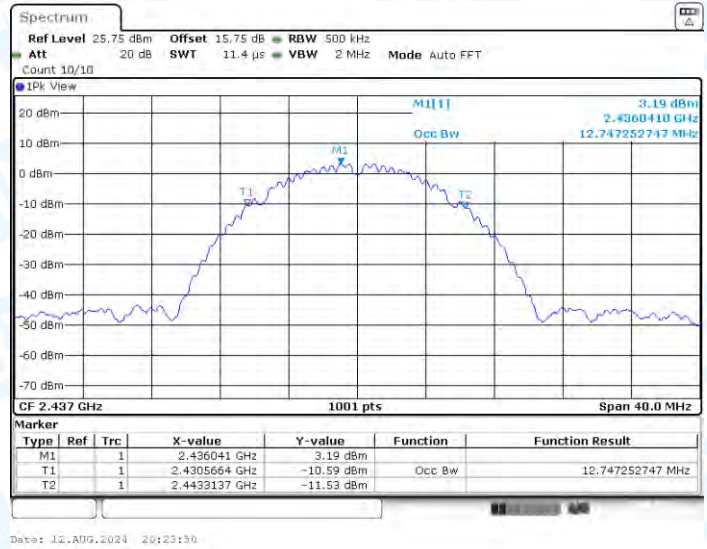
11B-Ant1-2412



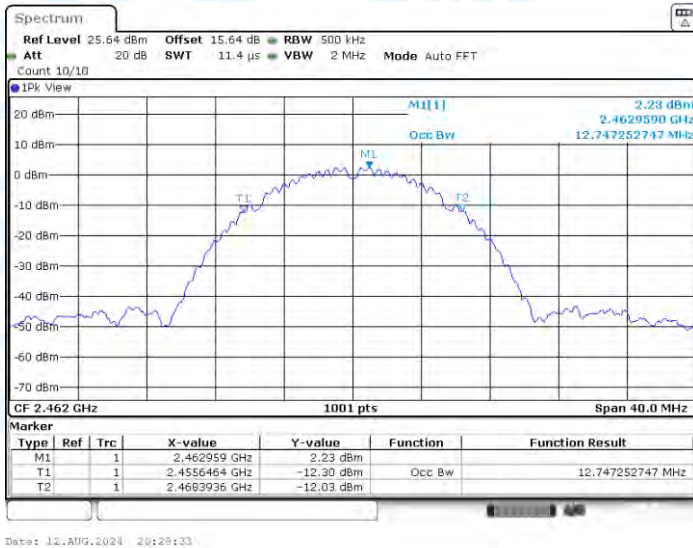
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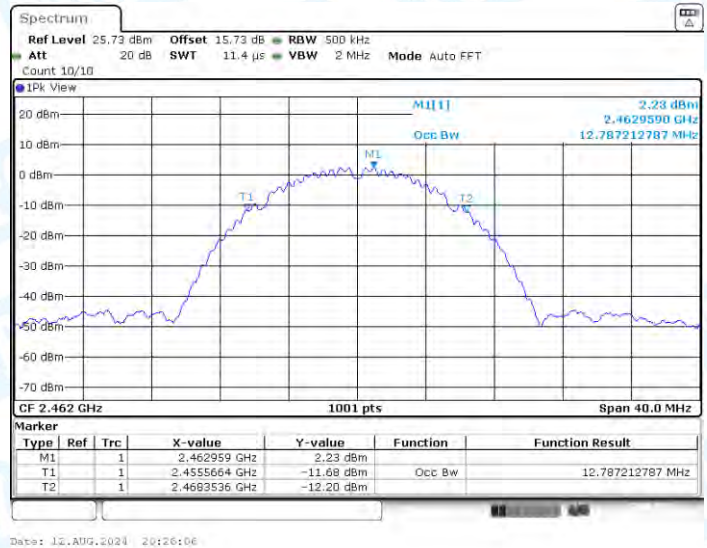
11B-Ant1-2437



11B-Ant2-2437



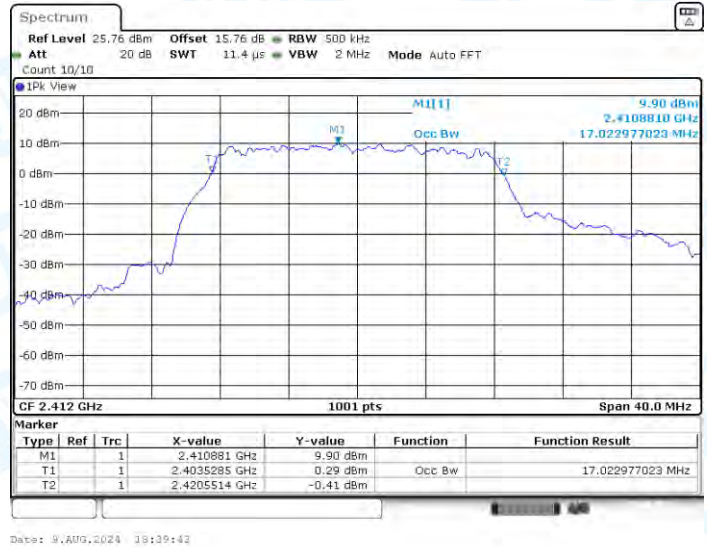
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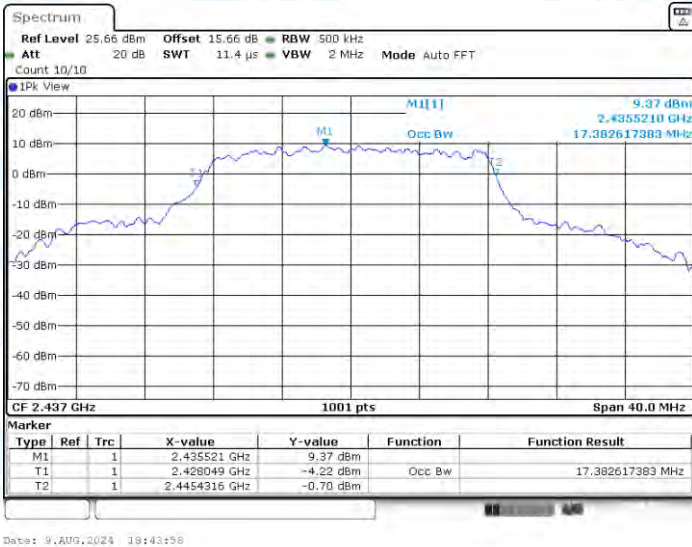
11B-Ant2-2462



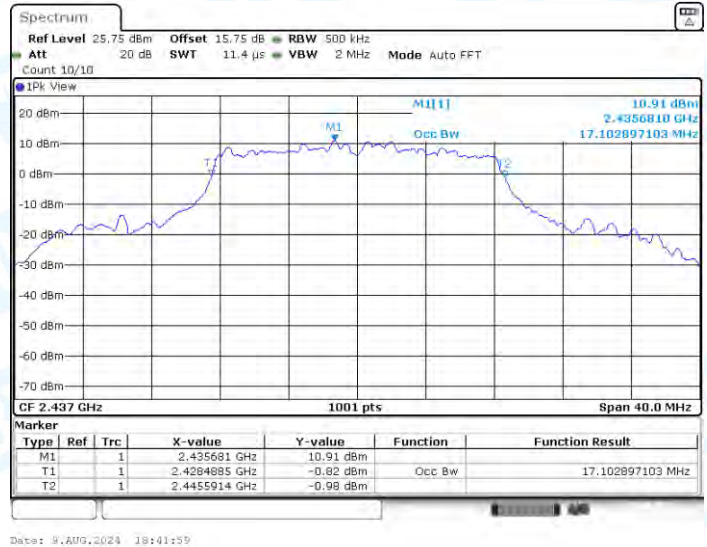
11G-Ant1-2412



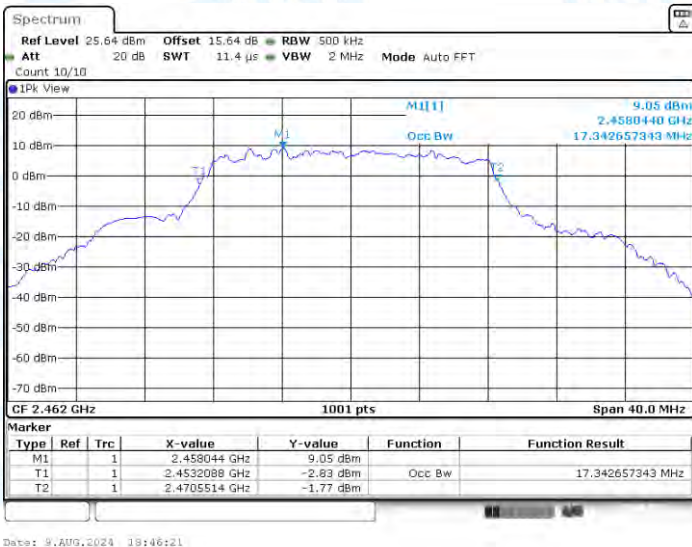
11G-Ant2-2412



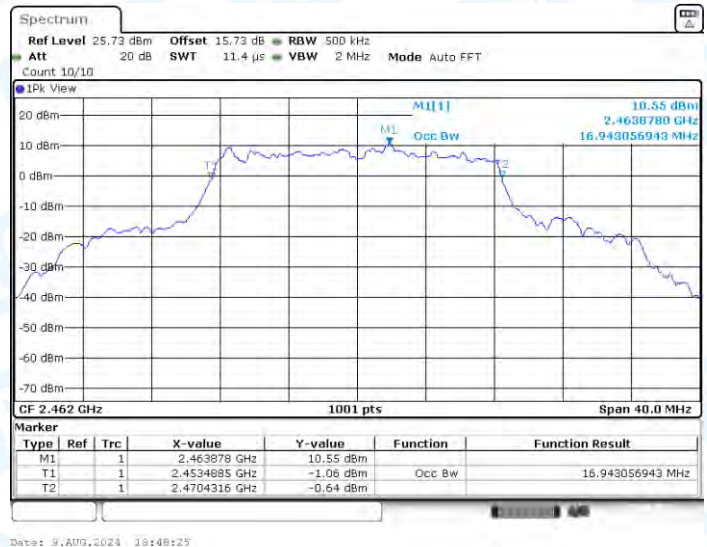
11G-Ant1-2437



11G-Ant2-2437



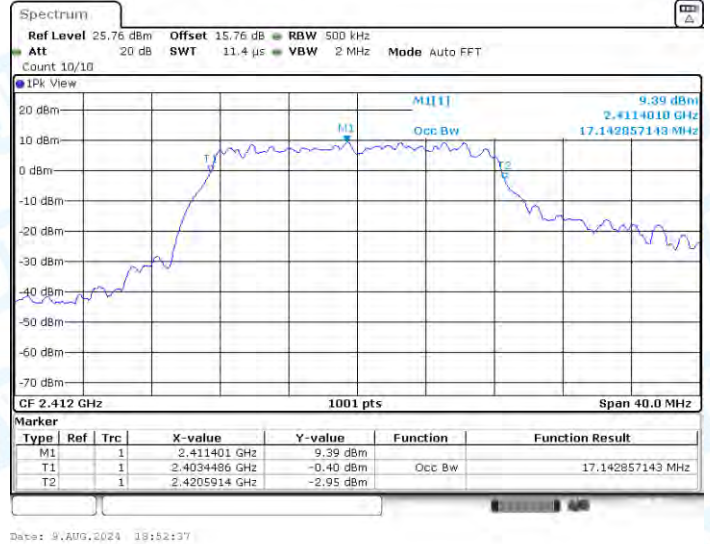
11G-Ant1-2462



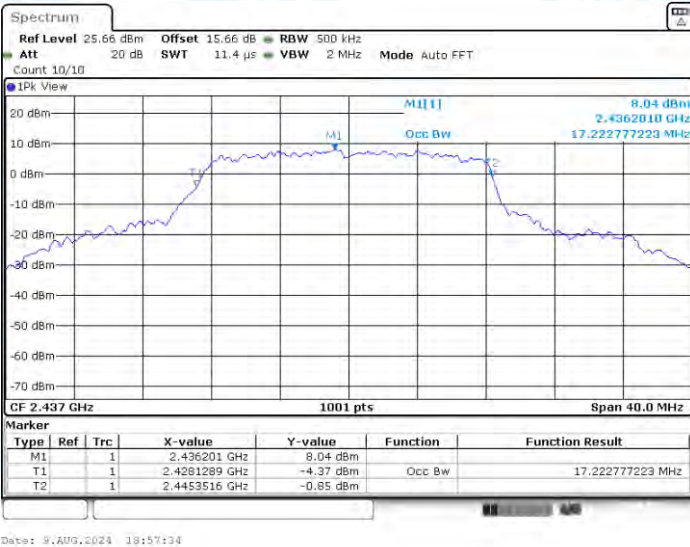
11G-Ant2-2462



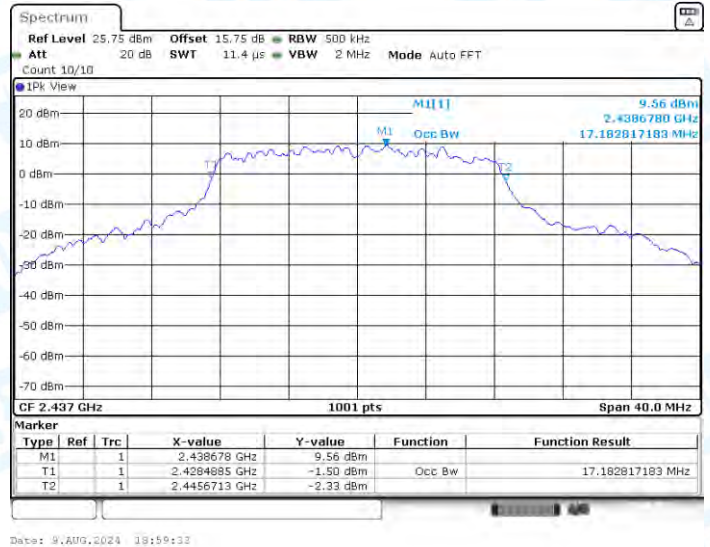
11G-CDD-Ant1-2412



11G-CDD-Ant2-2412



11G-CDD-Ant1-2437



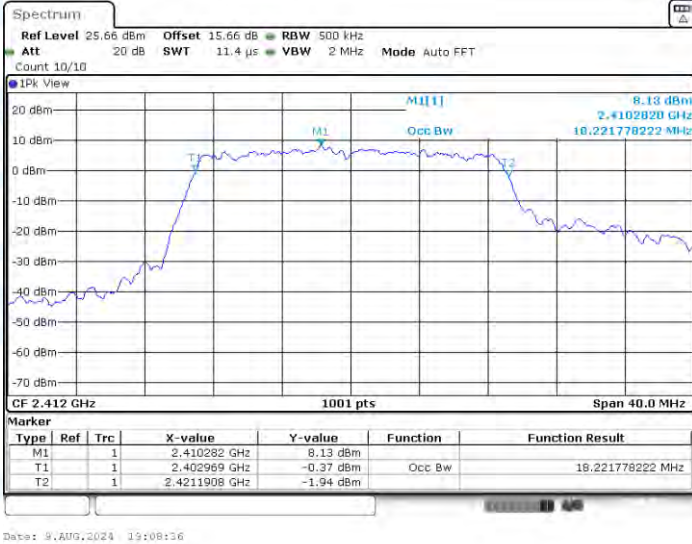
11G-CDD-Ant2-2437



11G-CDD-Ant1-2462



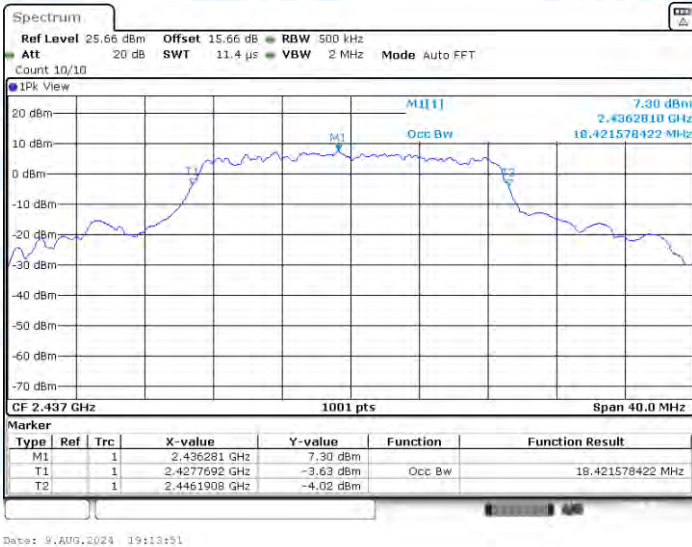
11G-CDD-Ant2-2462



11N20-CDD-Ant1-2412



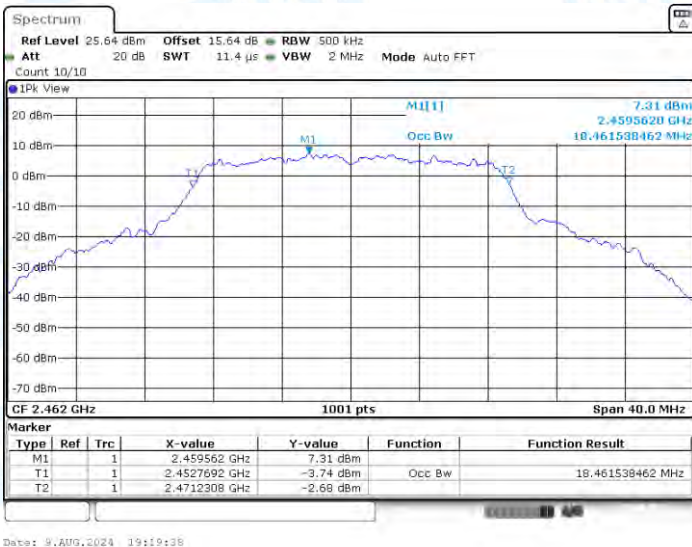
11N20-CDD-Ant2-2412



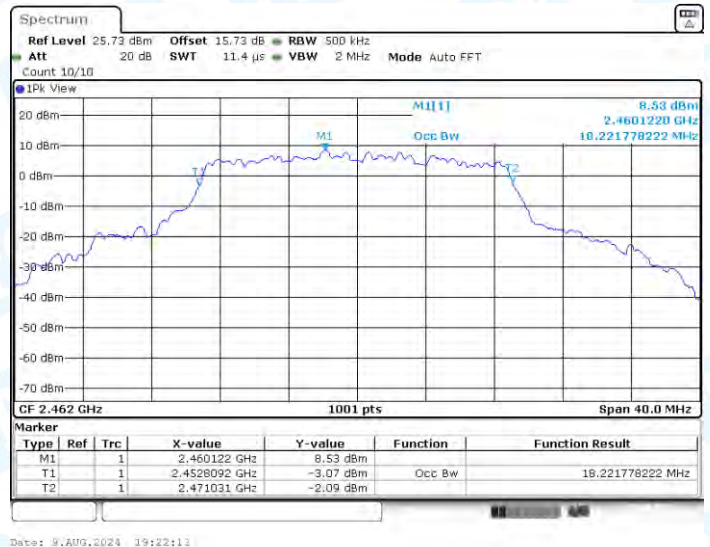
11N20-CDD-Ant1-2437



11N20-CDD-Ant2-2437



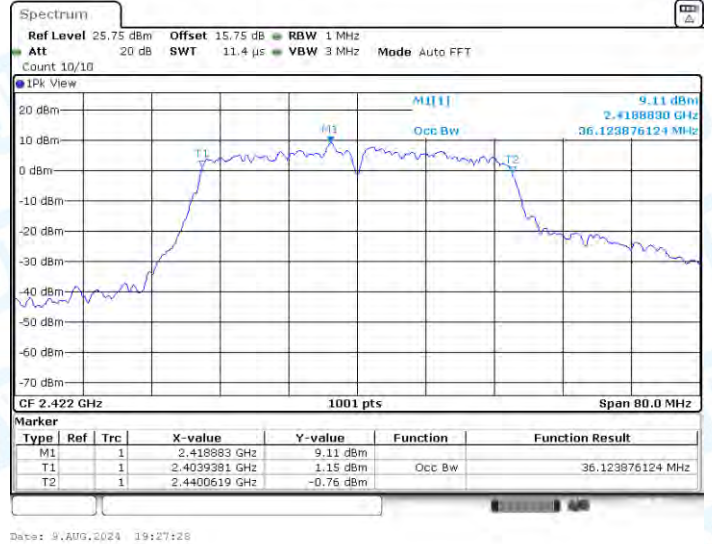
11N20-CDD-Ant1-2462



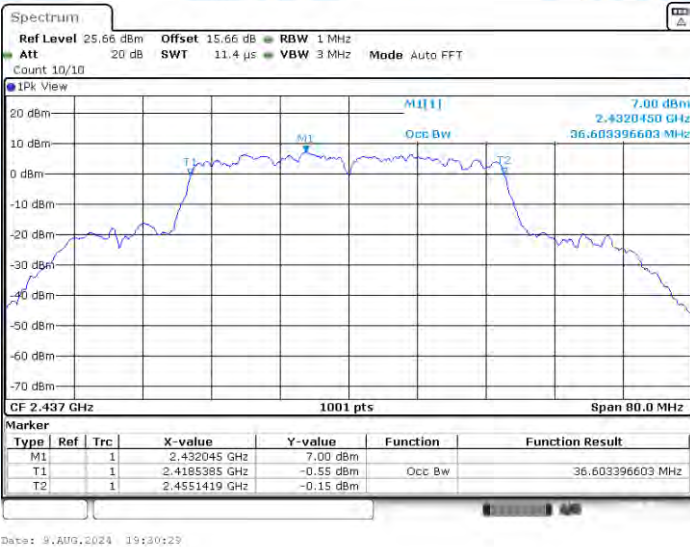
11N20-CDD-Ant2-2462



11N40-CDD-Ant1-2422



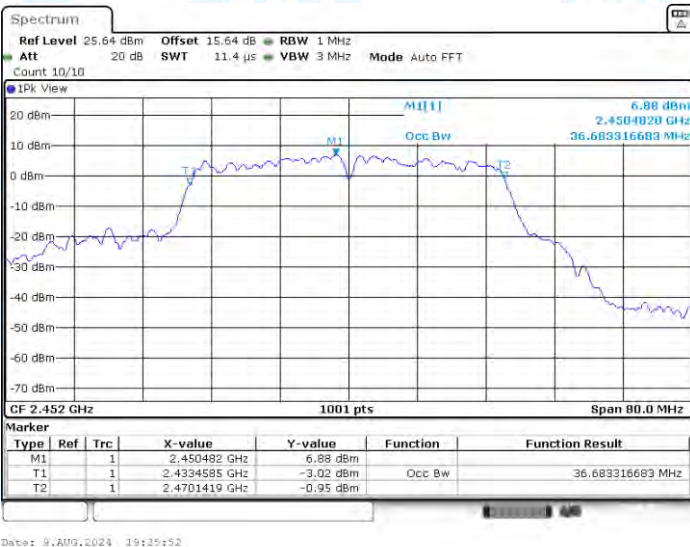
11N40-CDD-Ant2-2422



11N40-CDD-Ant1-2437



11N40-CDD-Ant2-2437



11N40-CDD-Ant1-2452



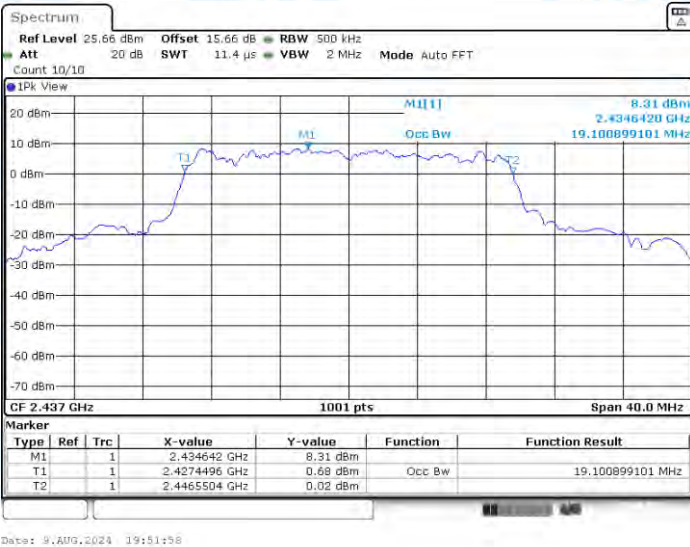
11N40-CDD-Ant2-2452



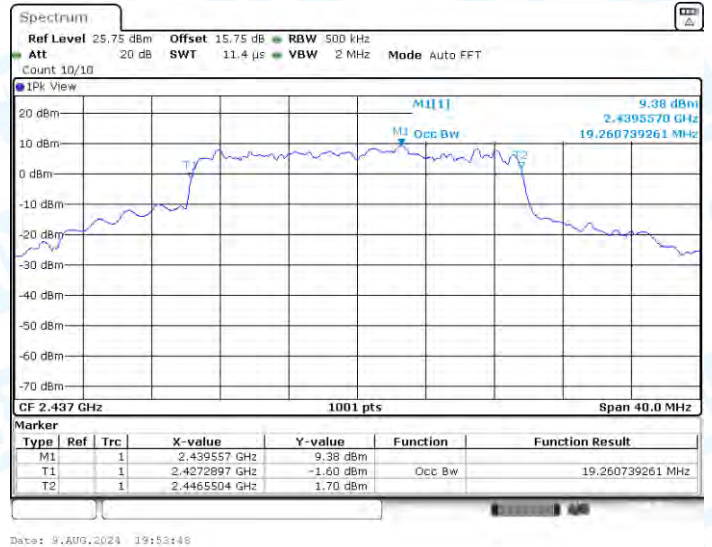
11AX20-CDD-Ant1-2412



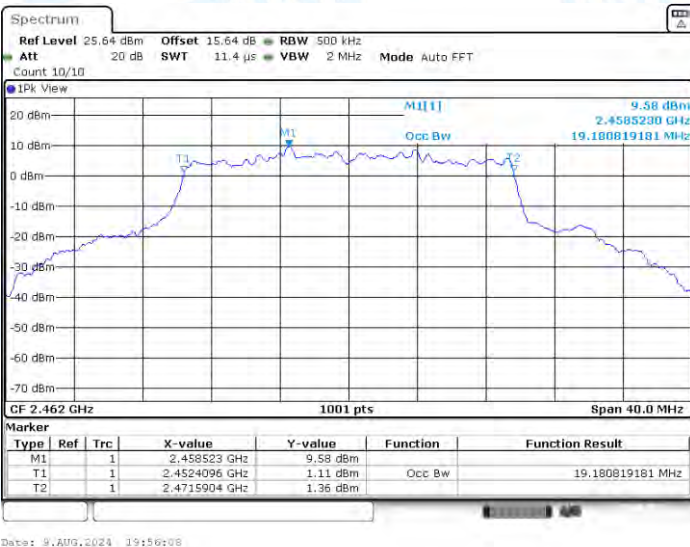
11AX20-CDD-Ant2-2412



11AX20-CDD-Ant1-2437



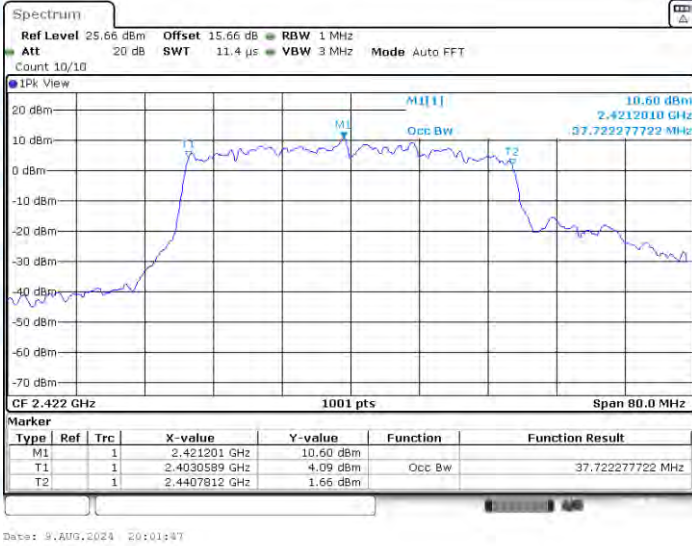
11AX20-CDD-Ant2-2437



11AX20-CDD-Ant1-2462



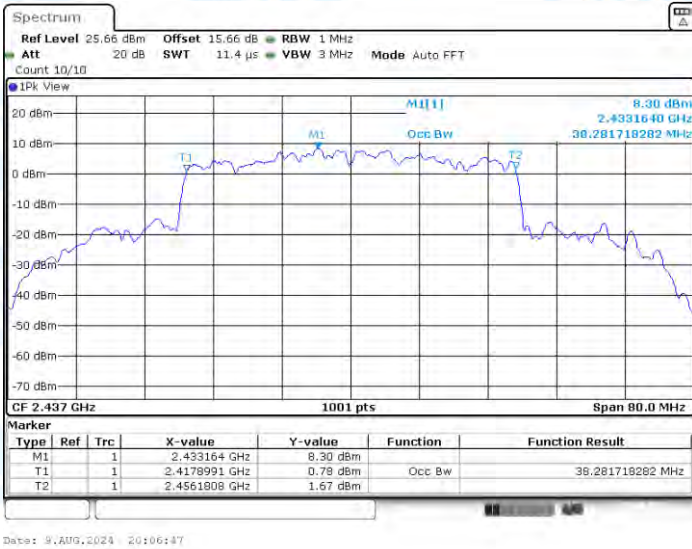
11AX20-CDD-Ant2-2462



11AX40-CDD-Ant1-2422



11AX40-CDD-Ant2-2422



11AX40-CDD-Ant1-2437



11AX40-CDD-Ant2-2437



11AX40-CDD-Ant1-2452



11AX40-CDD-Ant2-2452

3: Maximum conducted output power

3.1 Test Result Average

Test Mode	Ant.	Frequency [MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	10.60	≤30.00	PASS
11B	Ant2	2412	11.01	≤30.00	PASS
11B	Ant1	2437	10.19	≤30.00	PASS
11B	Ant2	2437	10.59	≤30.00	PASS
11B	Ant1	2462	9.60	≤30.00	PASS
11B	Ant2	2462	9.69	≤30.00	PASS
11G	Ant1	2412	16.52	≤30.00	PASS
11G	Ant2	2412	16.39	≤30.00	PASS
11G	Ant1	2437	16.28	≤30.00	PASS
11G	Ant2	2437	16.56	≤30.00	PASS
11G	Ant1	2462	16.02	≤30.00	PASS
11G	Ant2	2462	15.99	≤30.00	PASS
11G-CDD	Ant1	2412	15.63	≤30.00	PASS
11G-CDD	Ant2	2412	15.32	≤30.00	PASS
11G-CDD	total	2412	18.49	≤30.00	PASS
11G-CDD	Ant1	2437	15.25	≤30.00	PASS
11G-CDD	Ant2	2437	15.61	≤30.00	PASS
11G-CDD	total	2437	18.44	≤30.00	PASS
11G-CDD	Ant1	2462	15.13	≤30.00	PASS
11G-CDD	Ant2	2462	15.12	≤30.00	PASS
11G-CDD	total	2462	18.14	≤30.00	PASS
11N20-CDD	Ant1	2412	15.05	≤30.00	PASS
11N20-CDD	Ant2	2412	14.46	≤30.00	PASS
11N20-CDD	total	2412	17.78	≤30.00	PASS
11N20-CDD	Ant1	2437	14.72	≤30.00	PASS
11N20-CDD	Ant2	2437	15.28	≤30.00	PASS
11N20-CDD	total	2437	18.02	≤30.00	PASS
11N20-CDD	Ant1	2462	14.49	≤30.00	PASS
11N20-CDD	Ant2	2462	14.56	≤30.00	PASS
11N20-CDD	total	2462	17.54	≤30.00	PASS
11N40-CDD	Ant1	2422	13.80	≤30.00	PASS
11N40-CDD	Ant2	2422	14.23	≤30.00	PASS
11N40-CDD	total	2422	17.03	≤30.00	PASS
11N40-CDD	Ant1	2437	13.70	≤30.00	PASS
11N40-CDD	Ant2	2437	14.02	≤30.00	PASS
11N40-CDD	total	2437	16.87	≤30.00	PASS
11N40-CDD	Ant1	2452	13.54	≤30.00	PASS
11N40-CDD	Ant2	2452	13.72	≤30.00	PASS
11N40-CDD	total	2452	16.64	≤30.00	PASS
11AX20-CDD	Ant1	2412	15.46	≤30.00	PASS
11AX20-CDD	Ant2	2412	15.76	≤30.00	PASS
11AX20-CDD	total	2412	18.62	≤30.00	PASS
11AX20-CDD	Ant1	2437	15.03	≤30.00	PASS
11AX20-CDD	Ant2	2437	15.50	≤30.00	PASS
11AX20-CDD	total	2437	18.28	≤30.00	PASS
11AX20-CDD	Ant1	2462	14.79	≤30.00	PASS
11AX20-CDD	Ant2	2462	14.96	≤30.00	PASS
11AX20-CDD	total	2462	17.89	≤30.00	PASS
11AX40-CDD	Ant1	2422	14.05	≤30.00	PASS
11AX40-CDD	Ant2	2422	14.51	≤30.00	PASS
11AX40-CDD	total	2422	17.30	≤30.00	PASS
11AX40-CDD	Ant1	2437	13.92	≤30.00	PASS
11AX40-CDD	Ant2	2437	14.24	≤30.00	PASS
11AX40-CDD	total	2437	17.09	≤30.00	PASS
11AX40-CDD	Ant1	2452	13.79	≤30.00	PASS
11AX40-CDD	Ant2	2452	14.00	≤30.00	PASS
11AX40-CDD	total	2452	16.91	≤30.00	PASS

Note: For CDD Mode, Directional gain = $G_{ANT} + \text{Array Gain}$, Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;
 $G_{ANT1}=4.82\text{dBi}$; $G_{ANT2}=4.12\text{dBi}$; **CDD Mode** use max. antenna Gain, So the Directional gain < 6dBi, So the $P_{\text{limit}}=30\text{dBm}$.

4: Maximum power spectral density

4.1 Test Result

TestMode	Ant.	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-19.91	≤8.00	PASS
11B	Ant2	2412	-19.23	≤8.00	PASS
11B	Ant1	2437	-20.60	≤8.00	PASS
11B	Ant2	2437	-19.92	≤8.00	PASS
11B	Ant1	2462	-21.16	≤8.00	PASS
11B	Ant2	2462	-20.88	≤8.00	PASS
11G	Ant1	2412	-17.09	≤8.00	PASS
11G	Ant2	2412	-16.59	≤8.00	PASS
11G	Ant1	2437	-16.77	≤8.00	PASS
11G	Ant2	2437	-16.79	≤8.00	PASS
11G	Ant1	2462	-17.17	≤8.00	PASS
11G	Ant2	2462	-17.28	≤8.00	PASS
11G-CDD	Ant1	2412	-17.74	≤8.00	PASS
11G-CDD	Ant2	2412	-17.35	≤8.00	PASS
11G-CDD	total	2412	-14.53	≤6.51	PASS
11G-CDD	Ant1	2437	-17.52	≤8.00	PASS
11G-CDD	Ant2	2437	-17.56	≤8.00	PASS
11G-CDD	total	2437	-14.53	≤6.51	PASS
11G-CDD	Ant1	2462	-18.46	≤8.00	PASS
11G-CDD	Ant2	2462	-18.14	≤8.00	PASS
11G-CDD	total	2462	-15.29	≤6.51	PASS
11N20-CDD	Ant1	2412	-18.19	≤8.00	PASS
11N20-CDD	Ant2	2412	-17.86	≤8.00	PASS
11N20-CDD	total	2412	-15.01	≤6.51	PASS
11N20-CDD	Ant1	2437	-18.41	≤8.00	PASS
11N20-CDD	Ant2	2437	-18.36	≤8.00	PASS
11N20-CDD	total	2437	-15.37	≤6.51	PASS
11N20-CDD	Ant1	2462	-18.71	≤8.00	PASS
11N20-CDD	Ant2	2462	-18.90	≤8.00	PASS
11N20-CDD	total	2462	-15.79	≤6.51	PASS
11N40-CDD	Ant1	2422	-20.77	≤8.00	PASS
11N40-CDD	Ant2	2422	-20.27	≤8.00	PASS
11N40-CDD	total	2422	-17.50	≤6.51	PASS
11N40-CDD	Ant1	2437	-21.25	≤8.00	PASS
11N40-CDD	Ant2	2437	-20.39	≤8.00	PASS
11N40-CDD	total	2437	-17.79	≤6.51	PASS
11N40-CDD	Ant1	2452	-20.87	≤8.00	PASS
11N40-CDD	Ant2	2452	-20.90	≤8.00	PASS
11N40-CDD	total	2452	-17.87	≤6.51	PASS
11AX20-CDD	Ant1	2412	-15.37	≤8.00	PASS
11AX20-CDD	Ant2	2412	-15.49	≤8.00	PASS
11AX20-CDD	total	2412	-12.42	≤6.51	PASS
11AX20-CDD	Ant1	2437	-15.71	≤8.00	PASS
11AX20-CDD	Ant2	2437	-15.55	≤8.00	PASS
11AX20-CDD	total	2437	-12.62	≤6.51	PASS
11AX20-CDD	Ant1	2462	-16.44	≤8.00	PASS
11AX20-CDD	Ant2	2462	-16.16	≤8.00	PASS
11AX20-CDD	total	2462	-13.29	≤6.51	PASS
11AX40-CDD	Ant1	2422	-20.36	≤8.00	PASS
11AX40-CDD	Ant2	2422	-20.07	≤8.00	PASS
11AX40-CDD	total	2422	-17.20	≤6.51	PASS
11AX40-CDD	Ant1	2437	-20.66	≤8.00	PASS
11AX40-CDD	Ant2	2437	-19.73	≤8.00	PASS
11AX40-CDD	total	2437	-17.16	≤6.51	PASS
11AX40-CDD	Ant1	2452	-19.95	≤8.00	PASS
11AX40-CDD	Ant2	2452	-19.90	≤8.00	PASS
11AX40-CDD	total	2452	-16.91	≤6.51	PASS

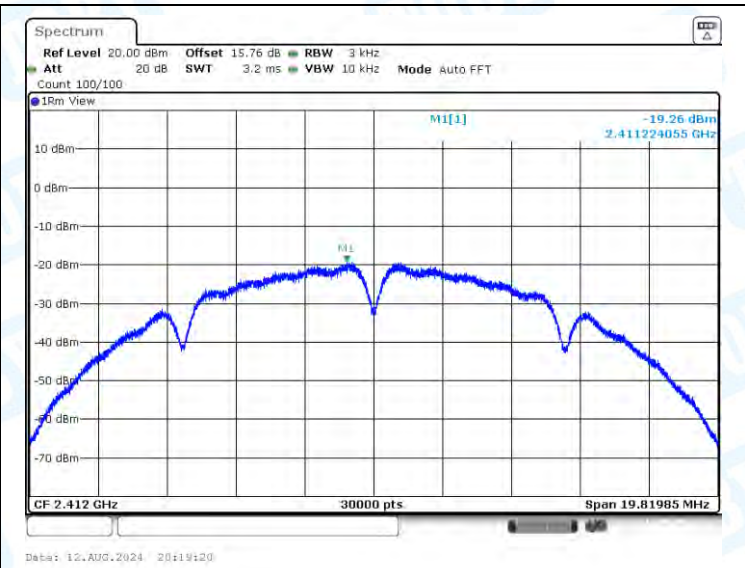
Note: For CDD Mode, Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 7.49 \text{ dB}$; $G_{ANT1} = 4.82 \text{ dB}$; $G_{ANT2} = 4.12 \text{ dB}$; and the Directional gain $> 6 \text{ dB}$, So the $\text{PSD}_{\text{limit}} = \text{PSD}_{\text{limit}} - (7.49 - 6) = 6.51 \text{ dBm/3kHz}$.

The Duty Cycle Factor is compensated in the graph.

4.2 Test Graphs



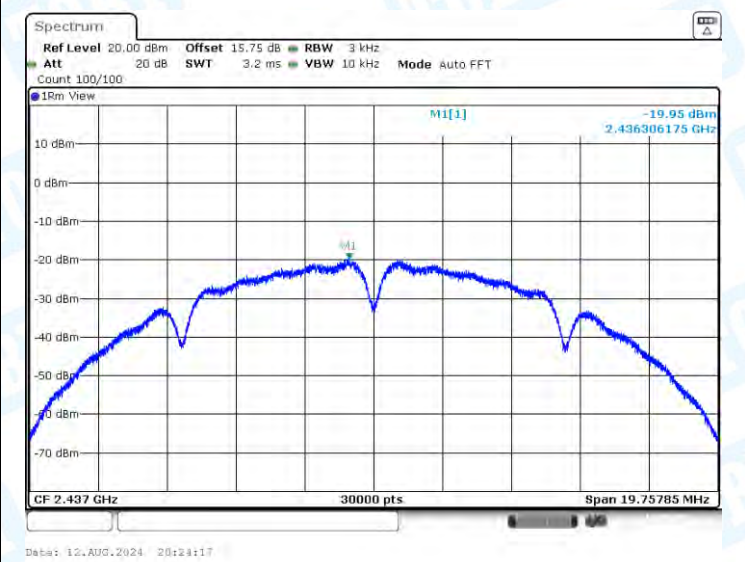
11B-Ant1-2412-PASS



11B-Ant2-2412-PASS



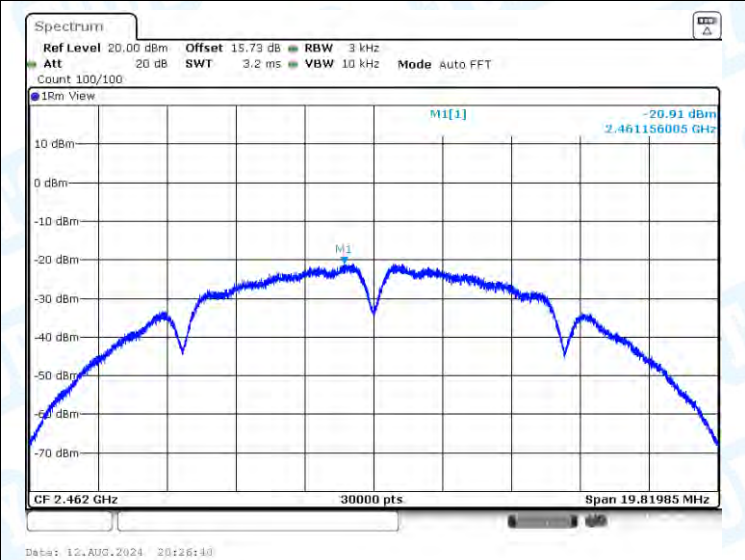
11B-Ant1-2437-PASS



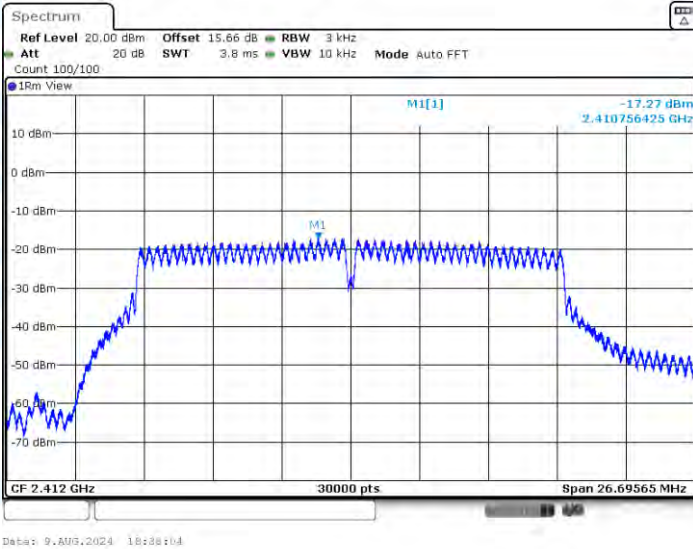
11B-Ant2-2437-PASS



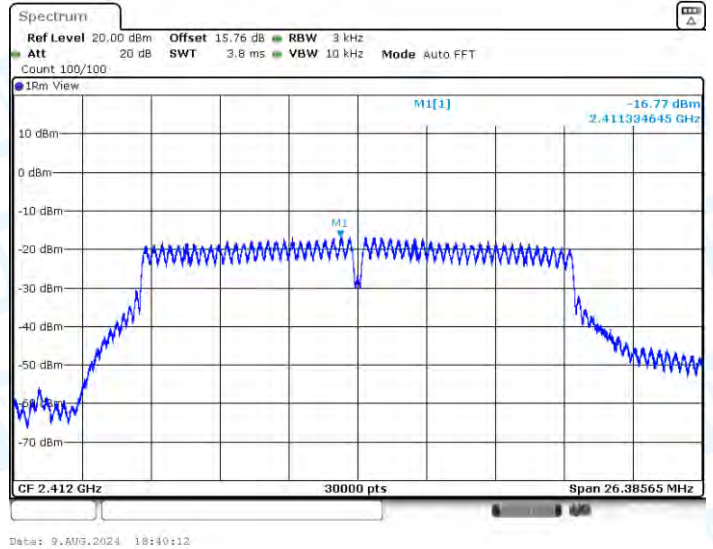
11B-Ant1-2462-PASS



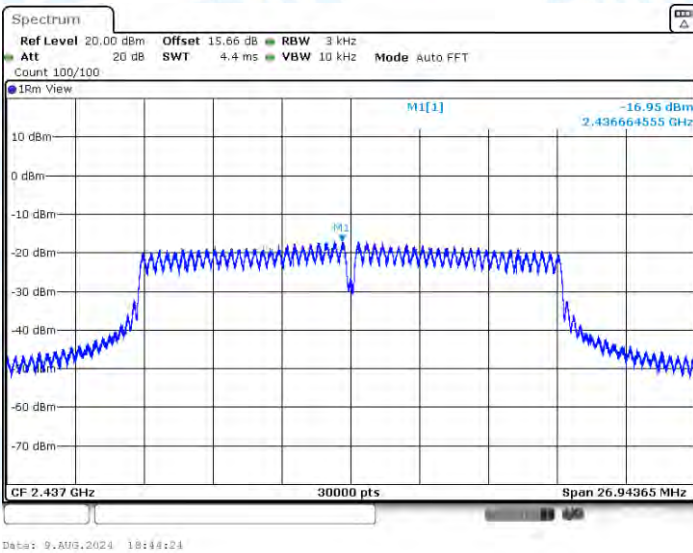
11B-Ant2-2462-PASS



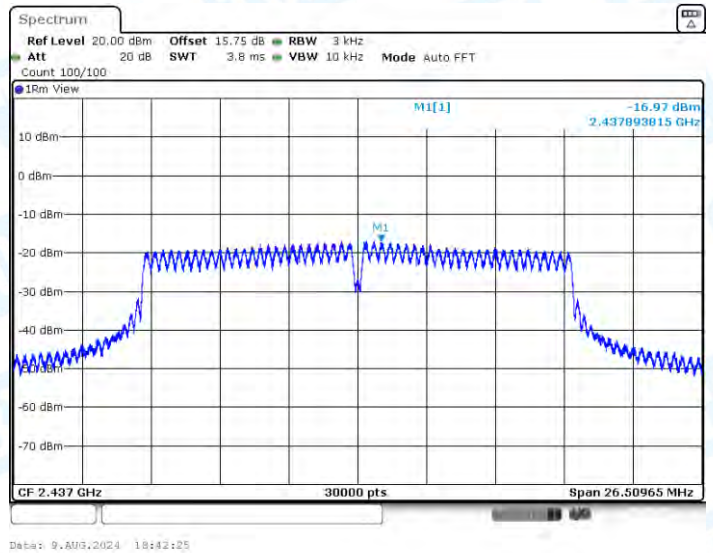
11G-Ant1-2412-PASS



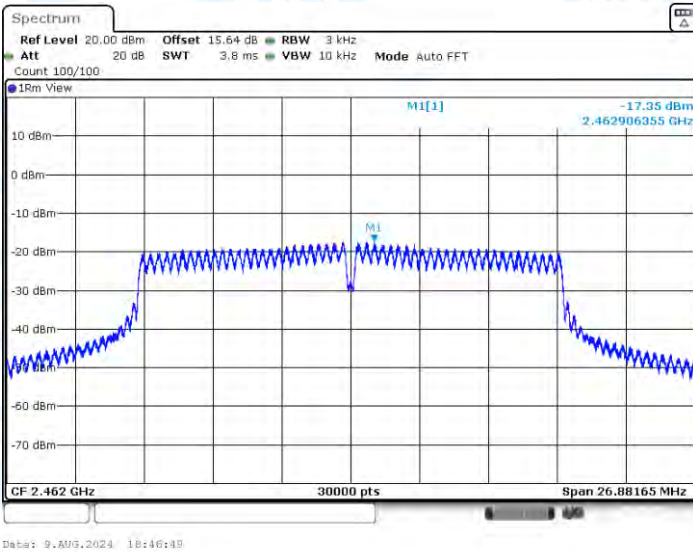
11G-Ant2-2412-PASS



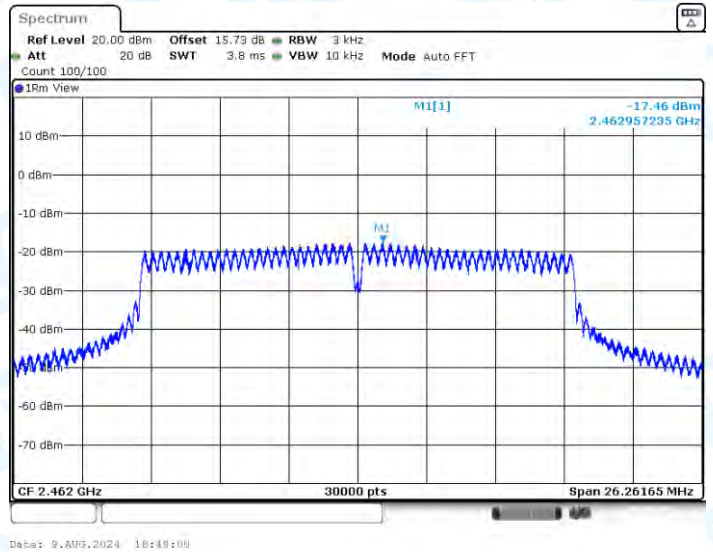
11G-Ant1-2437-PASS



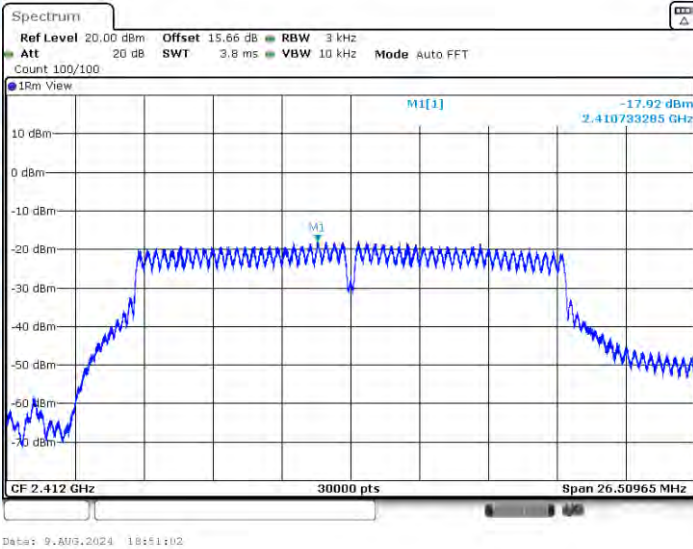
11G-Ant2-2437-PASS



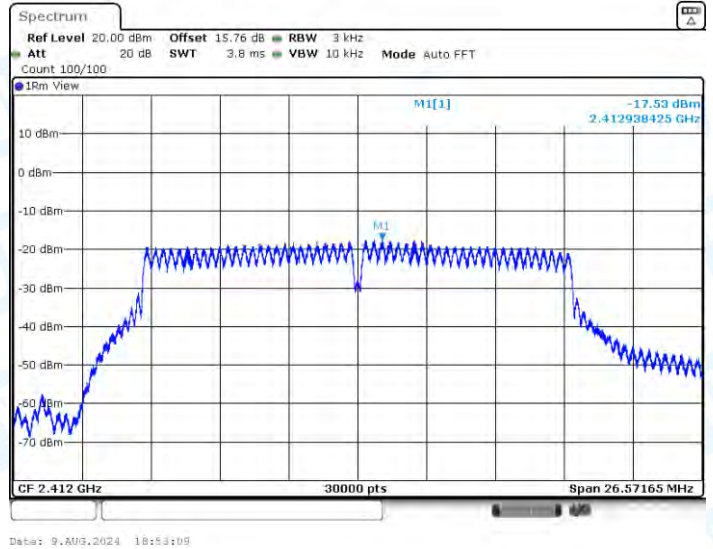
11G-Ant1-2462-PASS



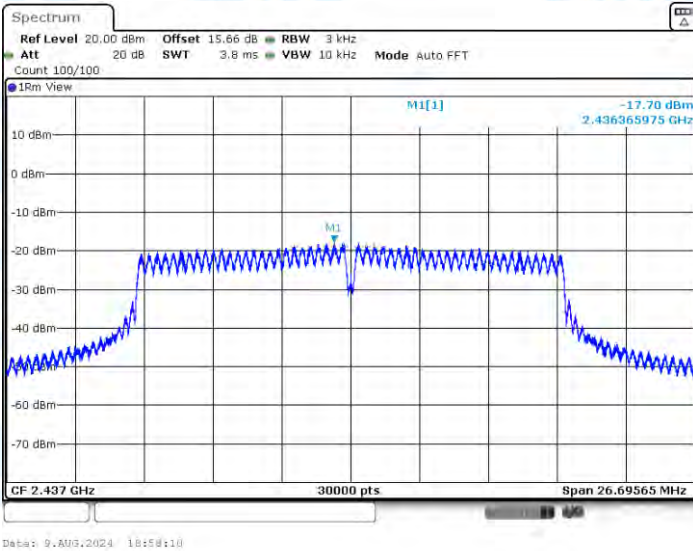
11G-Ant2-2462-PASS



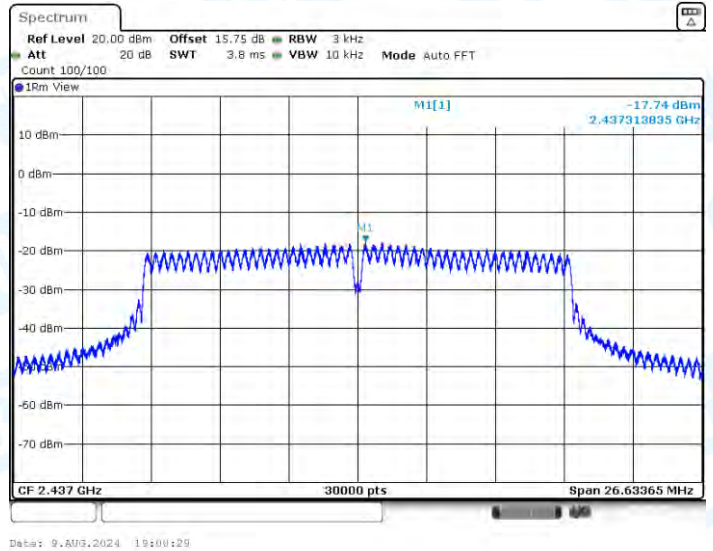
11G-CDD-Ant1-2412-PASS



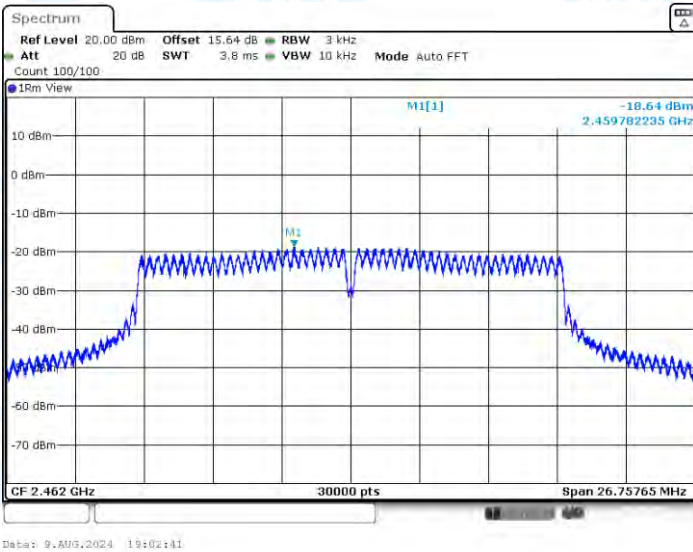
11G-CDD-Ant2-2412-PASS



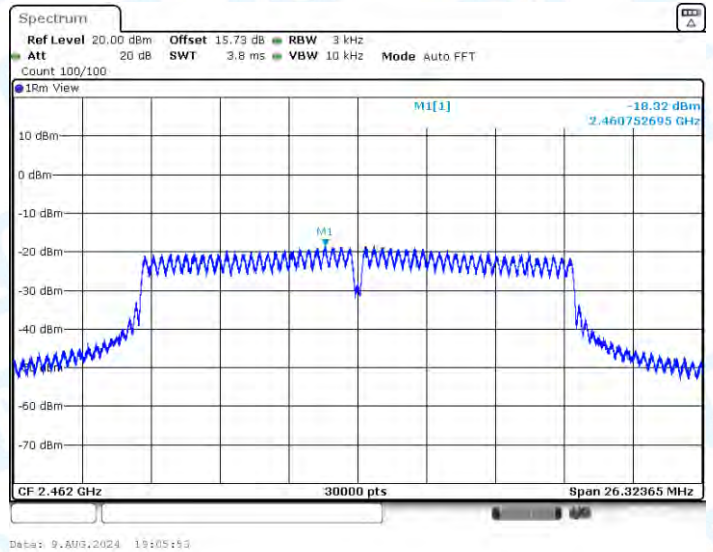
11G-CDD-Ant1-2437-PASS



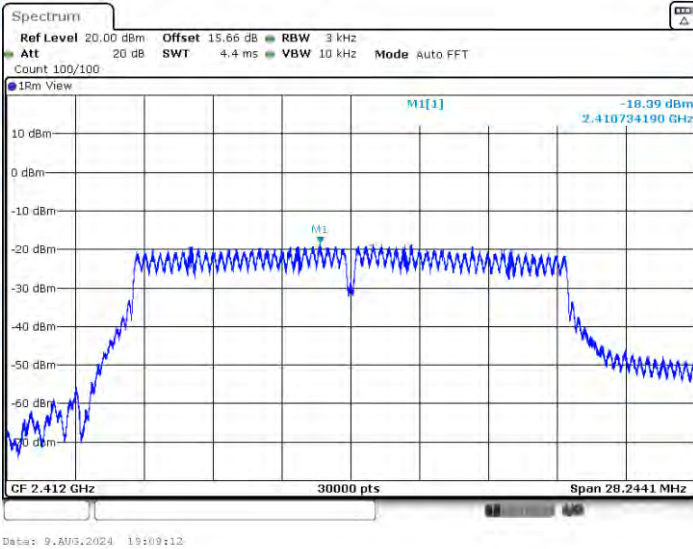
11G-CDD-Ant2-2437-PASS



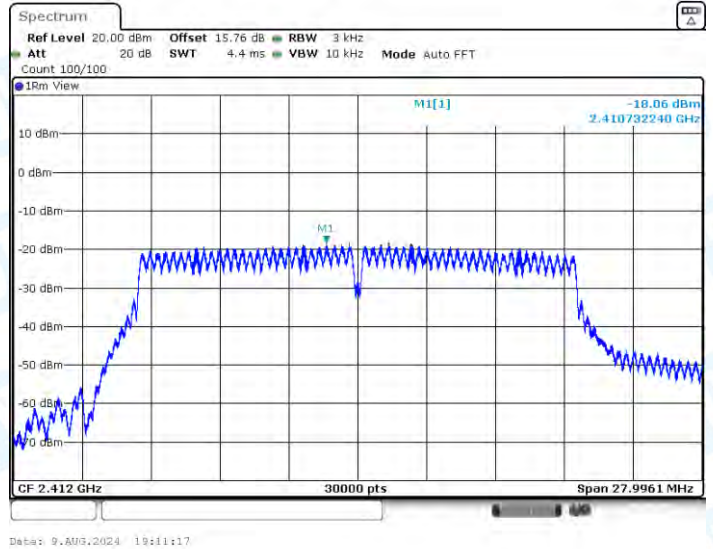
11G-CDD-Ant1-2462-PASS



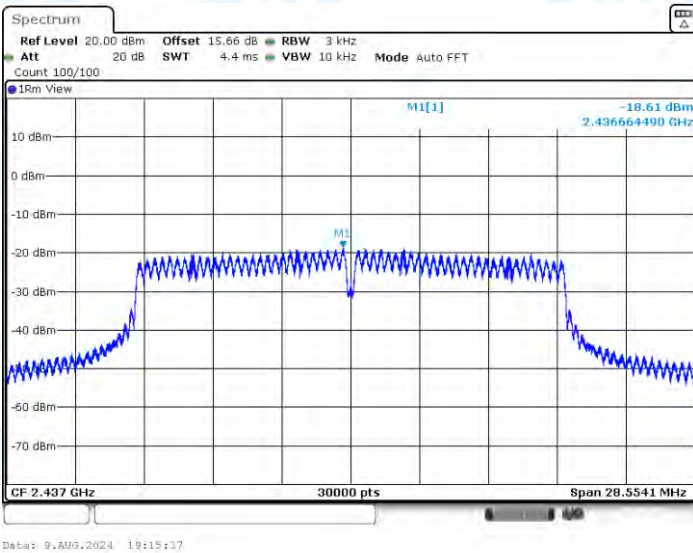
11G-CDD-Ant2-2462-PASS



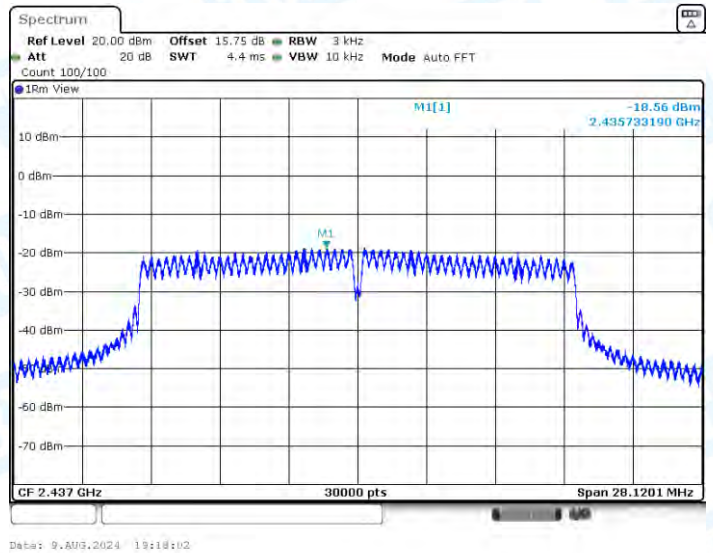
11N20-CDD-Ant1-2412-PASS



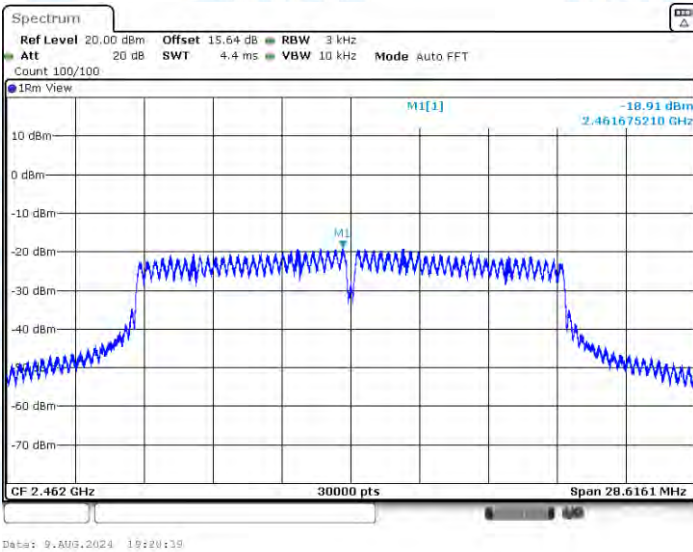
11N20-CDD-Ant2-2412-PASS



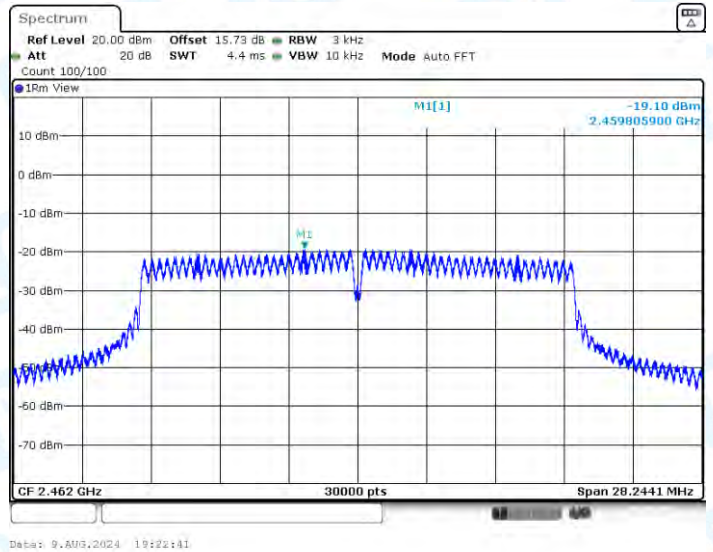
11N20-CDD-Ant1-2437-PASS



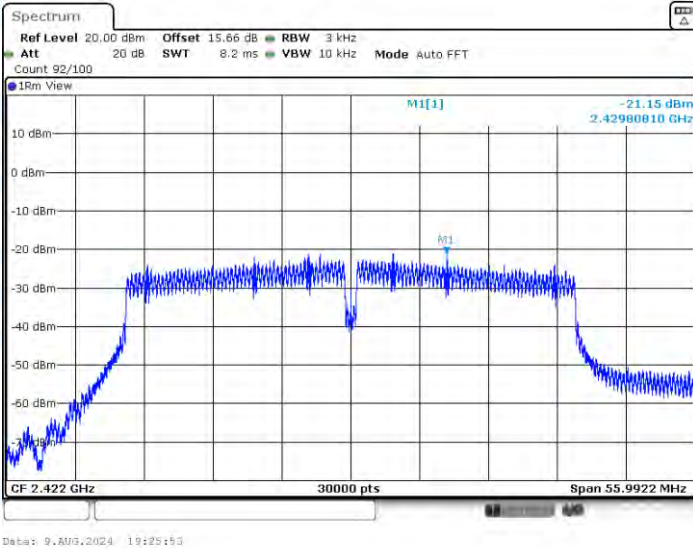
11N20-CDD-Ant2-2437-PASS



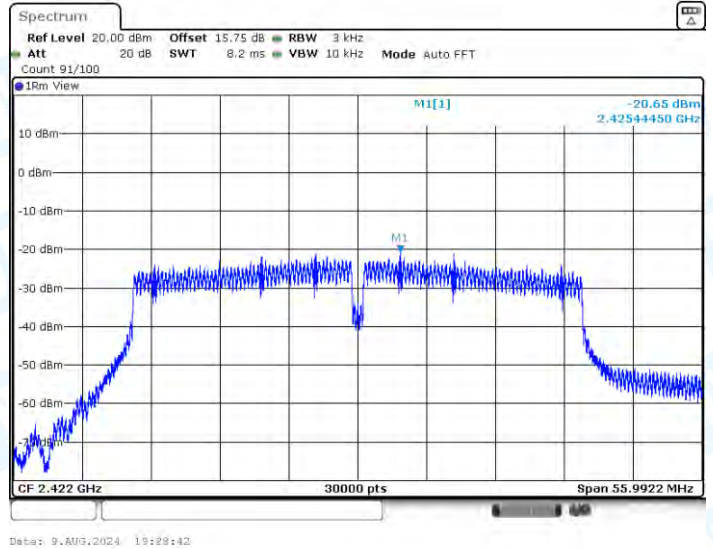
11N20-CDD-Ant1-2462-PASS



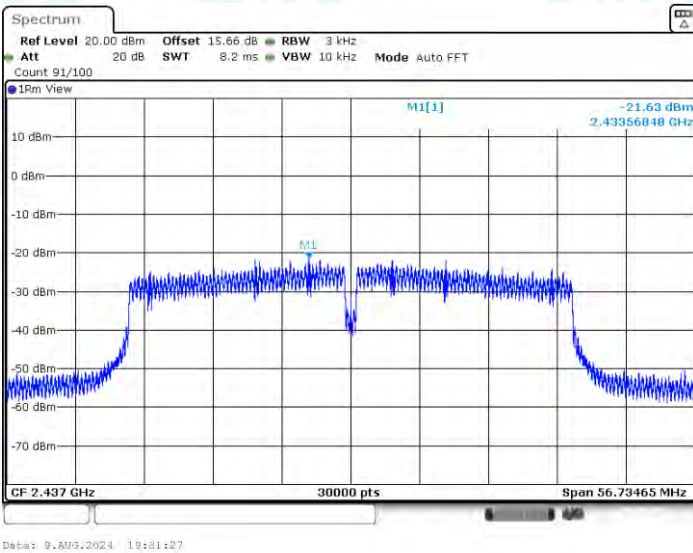
11N20-CDD-Ant2-2462-PASS



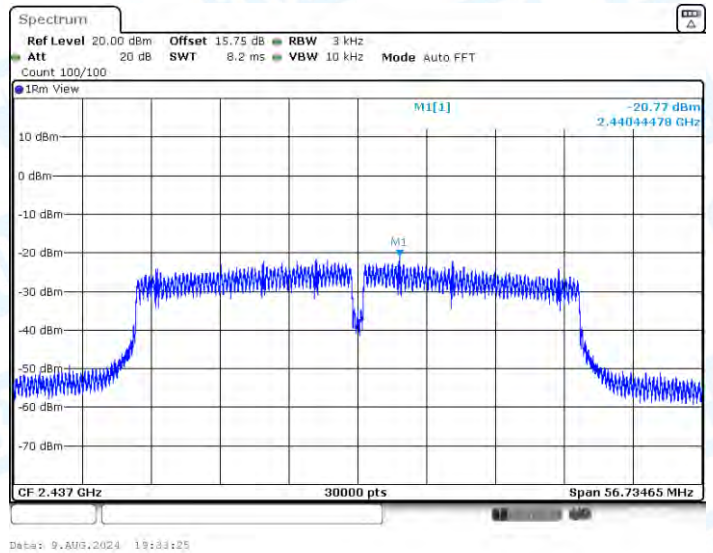
11N40-CDD-Ant1-2422-PASS



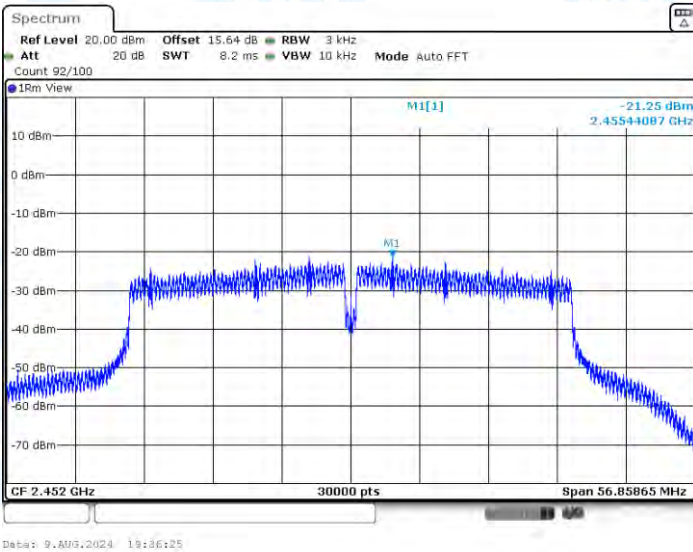
11N40-CDD-Ant2-2422-PASS



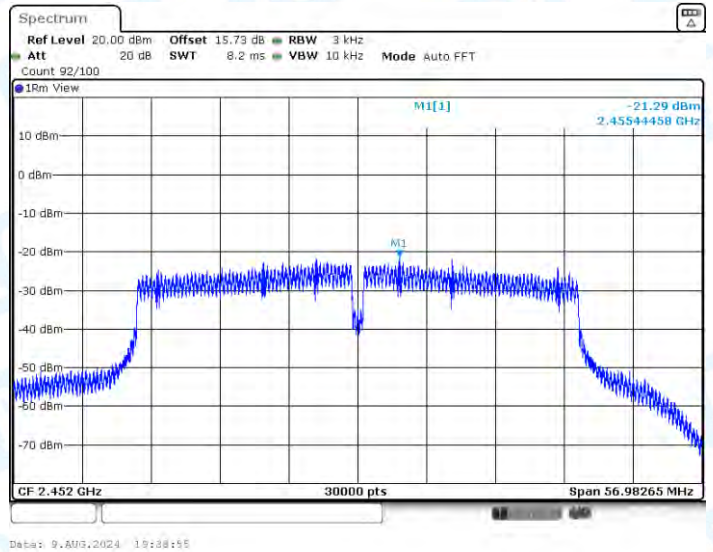
11N40-CDD-Ant1-2437-PASS



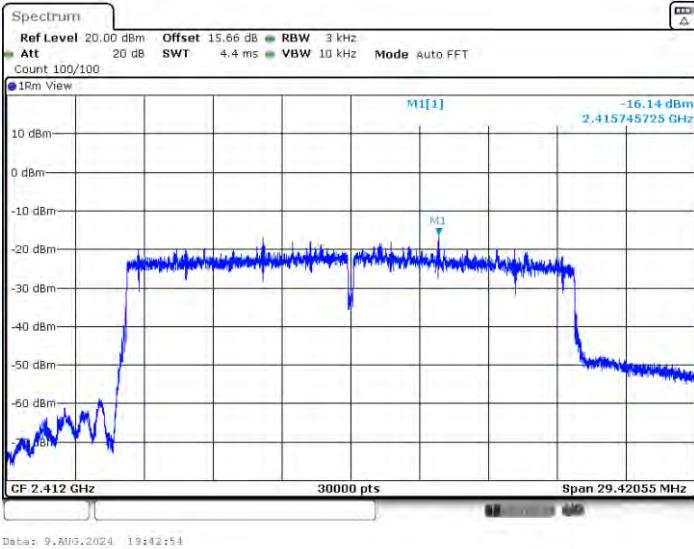
11N40-CDD-Ant2-2437-PASS



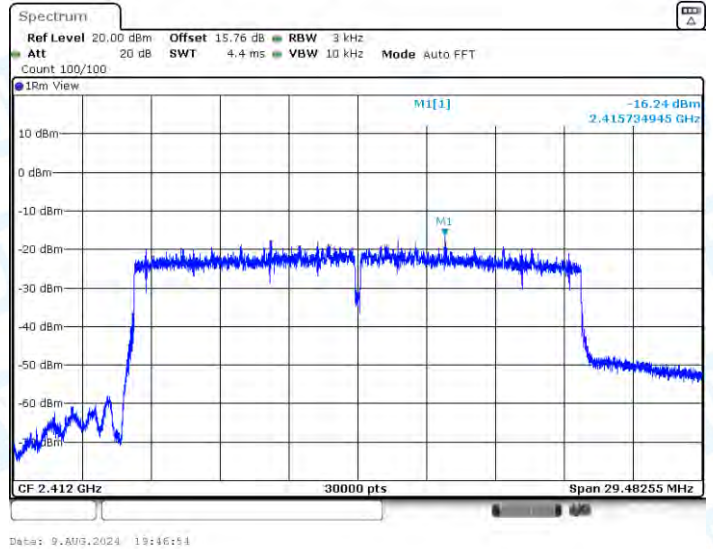
11N40-CDD-Ant1-2452-PASS



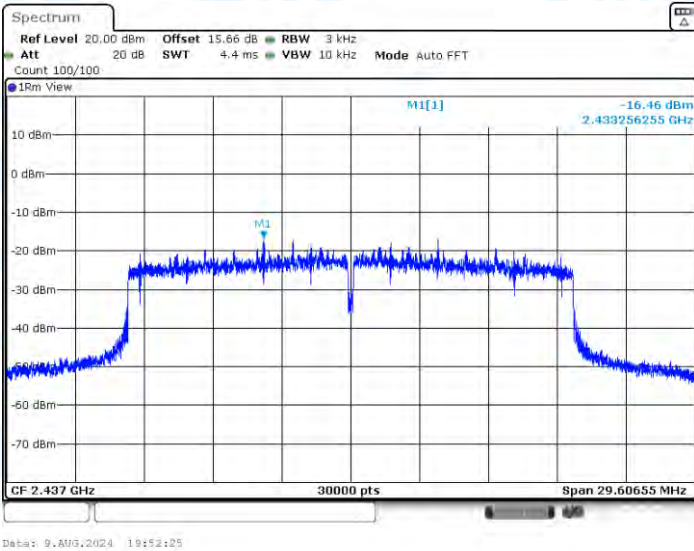
11N40-CDD-Ant2-2452-PASS



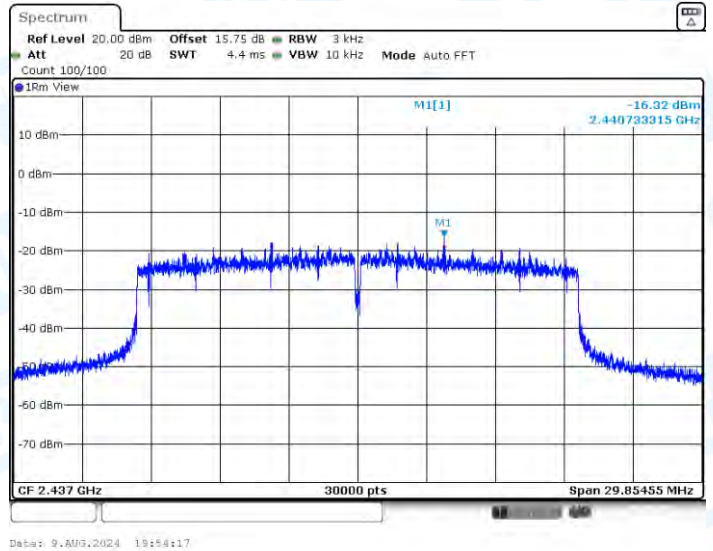
11AX20-CDD-Ant1-2412-PASS



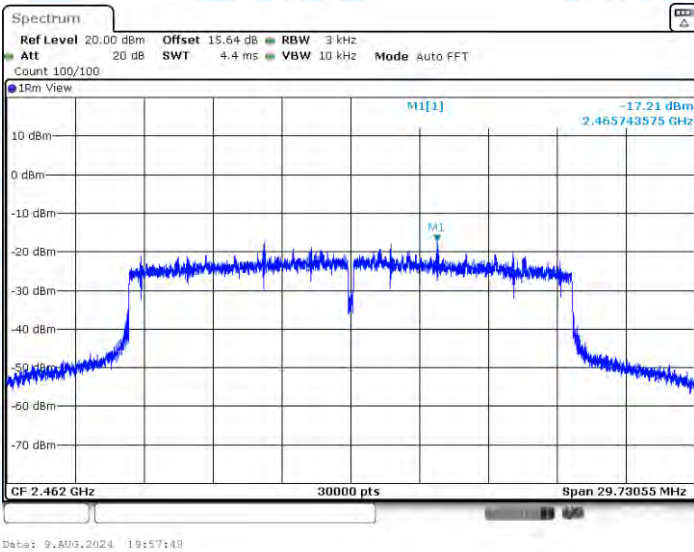
11AX20-CDD-Ant2-2412-PASS



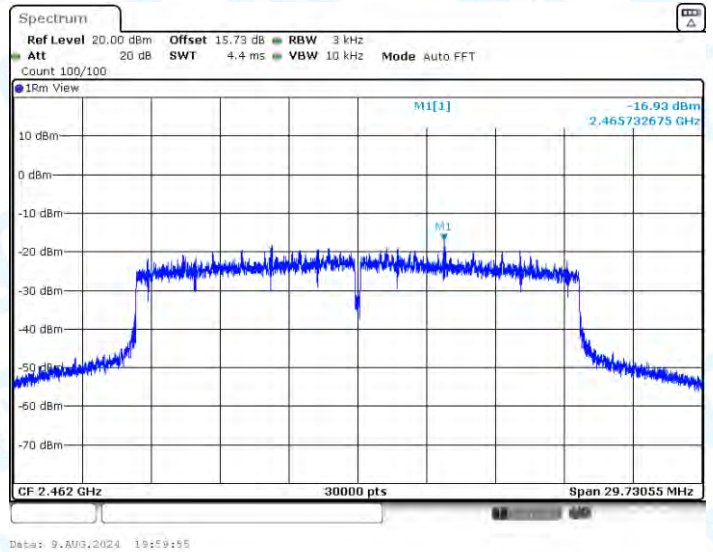
11AX20-CDD-Ant1-2437-PASS



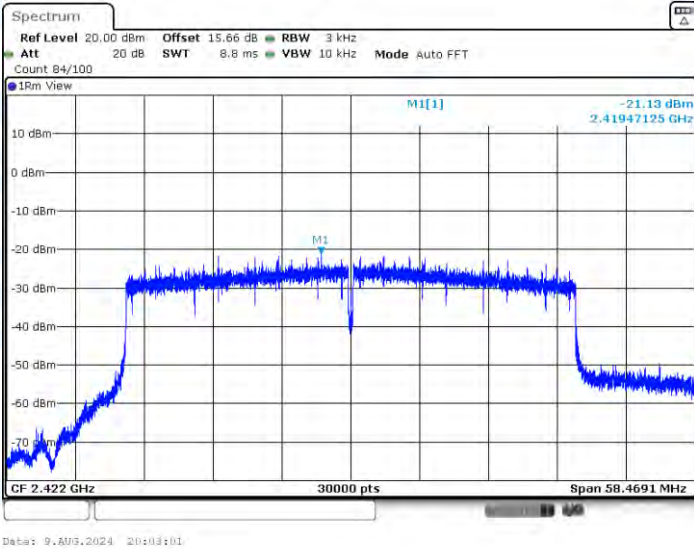
11AX20-CDD-Ant2-2437-PASS



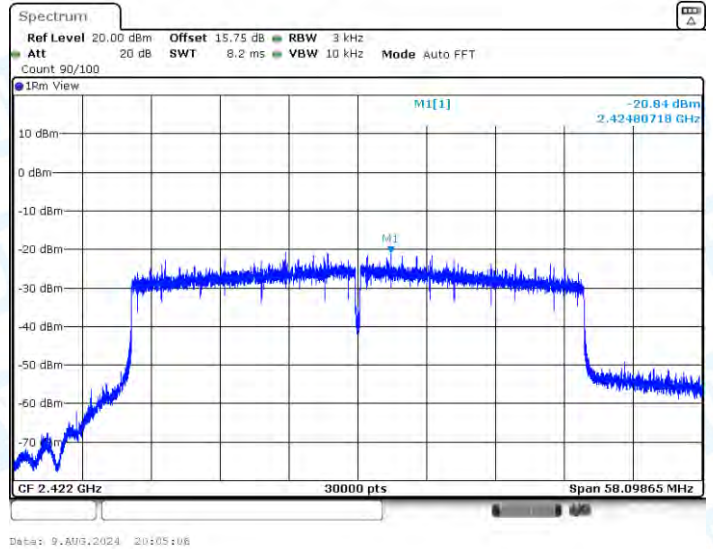
11AX20-CDD-Ant1-2462-PASS



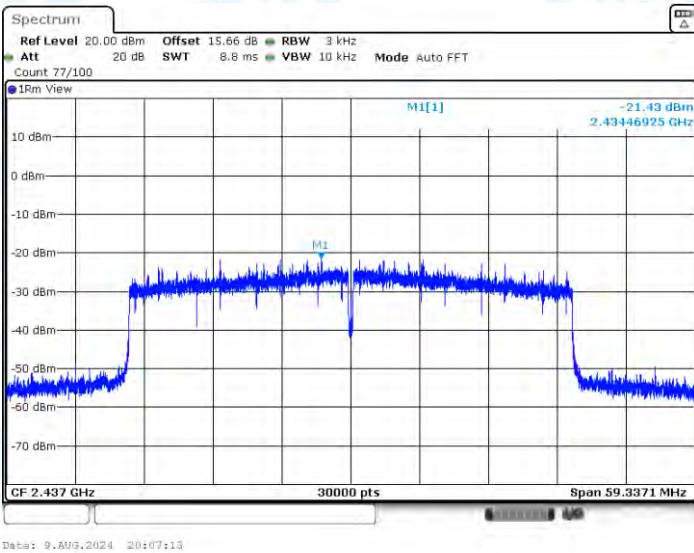
11AX20-CDD-Ant2-2462-PASS



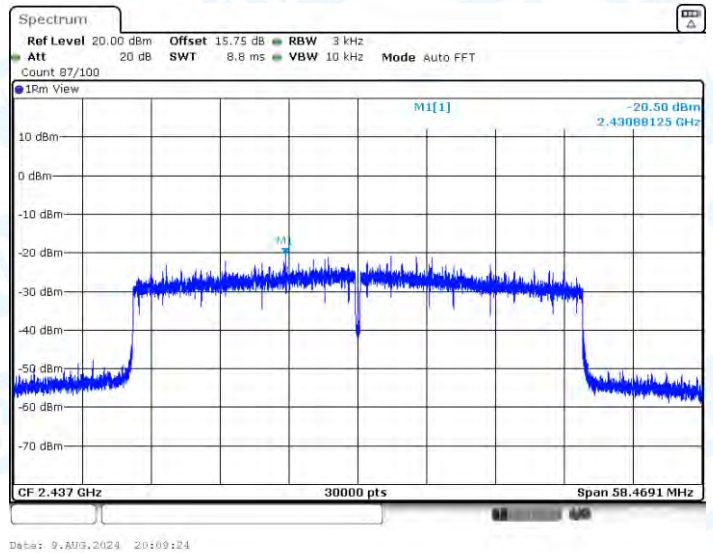
11AX40-CDD-Ant1-2422-PASS



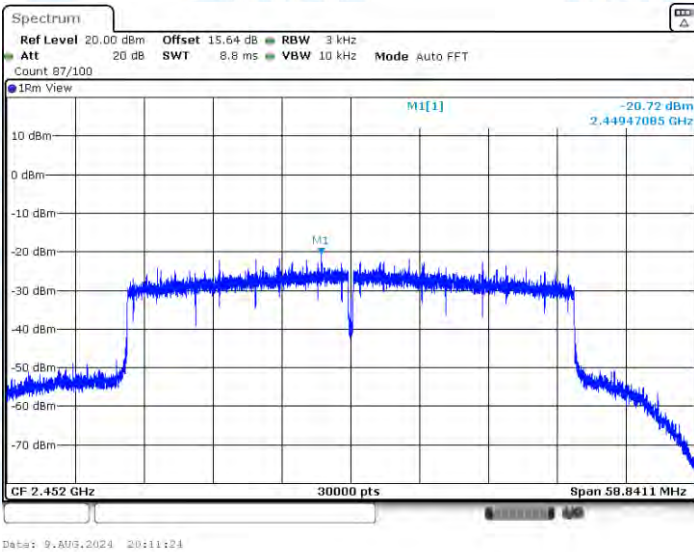
11AX40-CDD-Ant2-2422-PASS



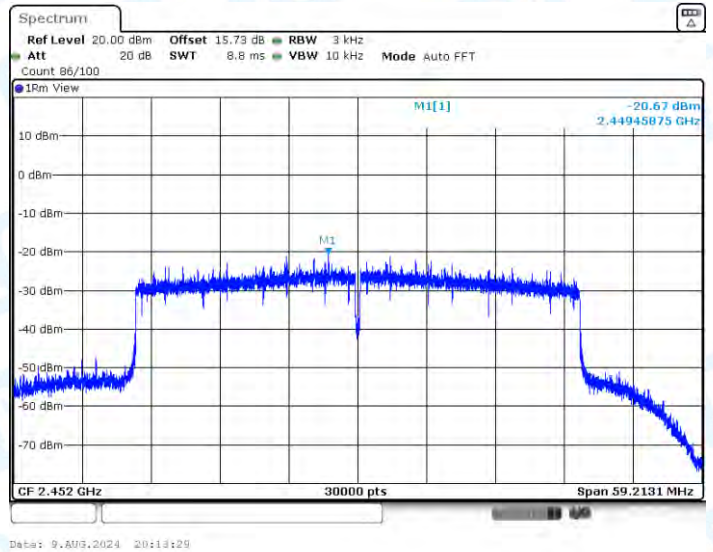
11AX40-CDD-Ant1-2437-PASS



11AX40-CDD-Ant2-2437-PASS



11AX40-CDD-Ant1-2452-PASS



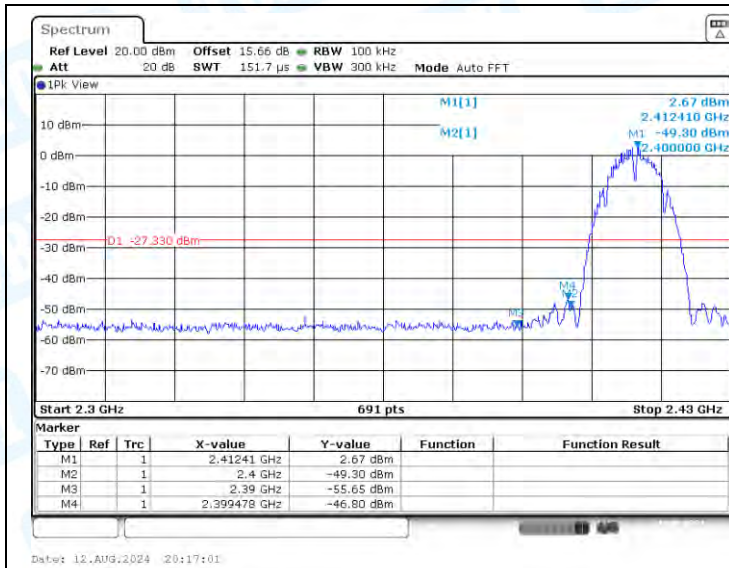
11AX40-CDD-Ant2-2452-PASS

5: Band edge measurements

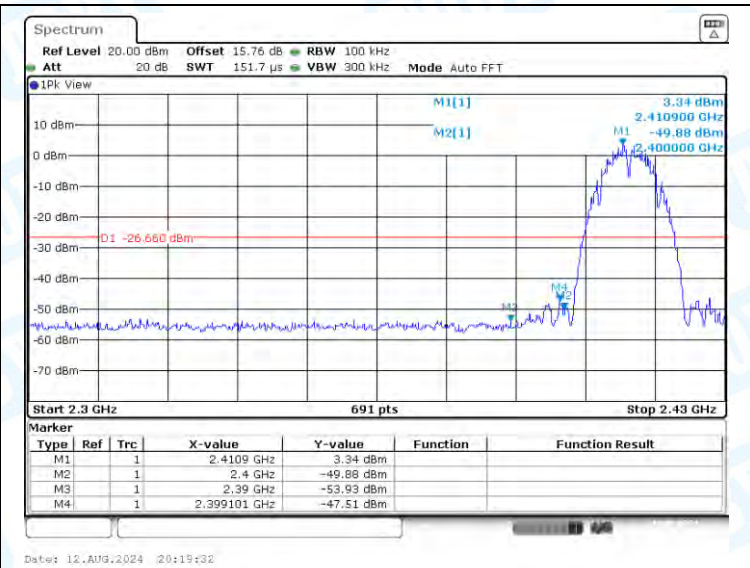
5.1 Test Result

TestMode	Ant.	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.67	-46.8	≤-27.33	PASS
11B	Ant2	Low	2412	3.34	-47.51	≤-26.66	PASS
11B	Ant1	High	2462	0.71	-51.84	≤-29.29	PASS
11B	Ant2	High	2462	1.30	-52.01	≤-28.7	PASS
11G	Ant1	Low	2412	3.29	-36.26	≤-26.71	PASS
11G	Ant2	Low	2412	5.76	-33.62	≤-24.24	PASS
11G	Ant1	High	2462	5.51	-50.91	≤-24.49	PASS
11G	Ant2	High	2462	4.70	-48.62	≤-25.3	PASS
11G-CDD	Ant1	Low	2412	4.49	-37.13	≤-25.51	PASS
11G-CDD	Ant2	Low	2412	4.81	-36.65	≤-25.19	PASS
11G-CDD	Ant1	High	2462	1.57	-50.01	≤-28.43	PASS
11G-CDD	Ant2	High	2462	2.99	-50.76	≤-27.01	PASS
11N20-CDD	Ant1	Low	2412	4.07	-36.99	≤-25.93	PASS
11N20-CDD	Ant2	Low	2412	4.12	-35.88	≤-25.88	PASS
11N20-CDD	Ant1	High	2462	3.96	-50.61	≤-26.04	PASS
11N20-CDD	Ant2	High	2462	3.57	-50.86	≤-26.43	PASS
11N40-CDD	Ant1	Low	2422	-1.17	-36.82	≤-31.17	PASS
11N40-CDD	Ant2	Low	2422	1.16	-36.15	≤-28.84	PASS
11N40-CDD	Ant1	High	2452	-0.15	-47.61	≤-30.15	PASS
11N40-CDD	Ant2	High	2452	0.65	-49.94	≤-29.35	PASS
11AX20-CDD	Ant1	Low	2412	4.11	-40.2	≤-25.89	PASS
11AX20-CDD	Ant2	Low	2412	4.60	-39.16	≤-25.4	PASS
11AX20-CDD	Ant1	High	2462	3.84	-50.88	≤-26.16	PASS
11AX20-CDD	Ant2	High	2462	3.70	-51	≤-26.3	PASS
11AX40-CDD	Ant1	Low	2422	0.28	-37.23	≤-29.72	PASS
11AX40-CDD	Ant2	Low	2422	0.95	-35.84	≤-29.05	PASS
11AX40-CDD	Ant1	High	2452	0.17	-50.14	≤-29.83	PASS
11AX40-CDD	Ant2	High	2452	0.58	-48.98	≤-29.42	PASS

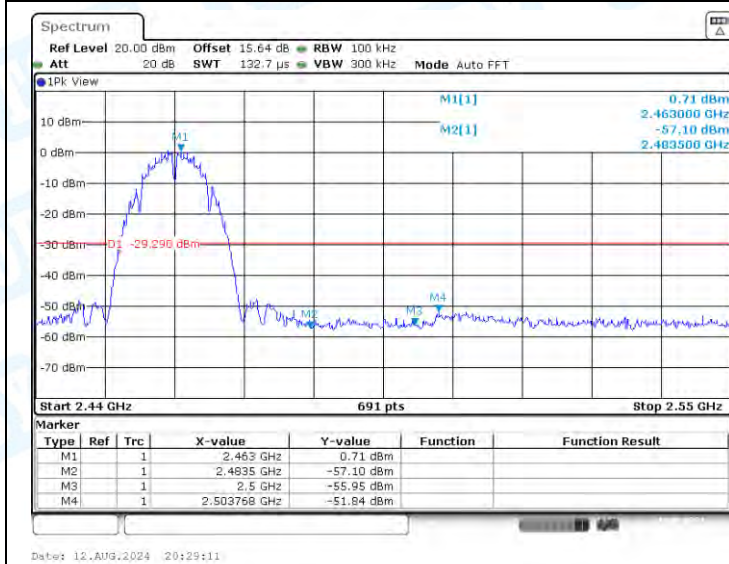
5.2 Test Graphs



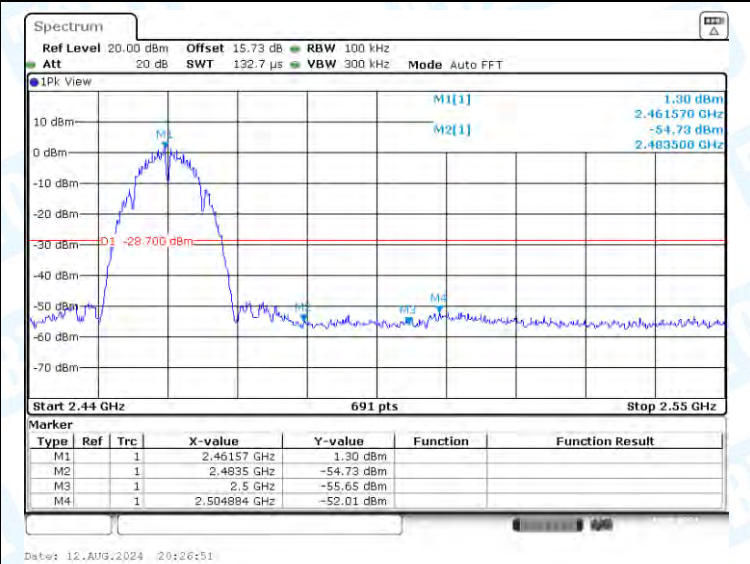
11B-Ant1-2412-PASS



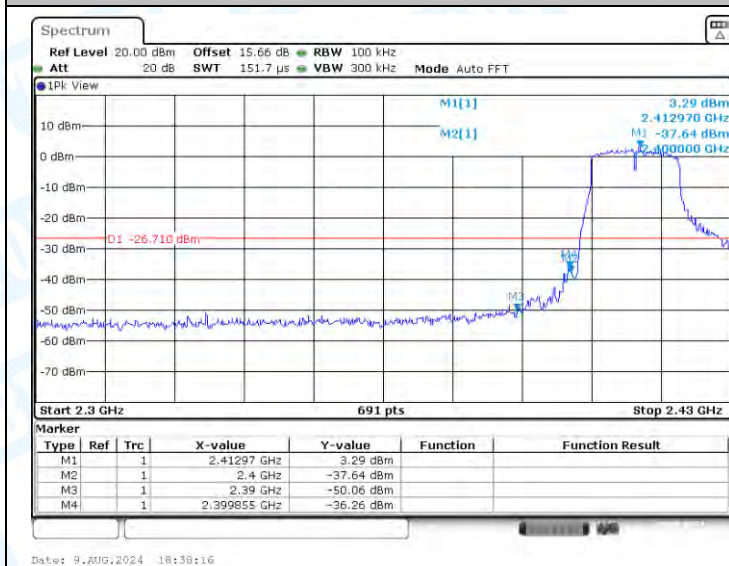
11B-Ant2-2412-PASS



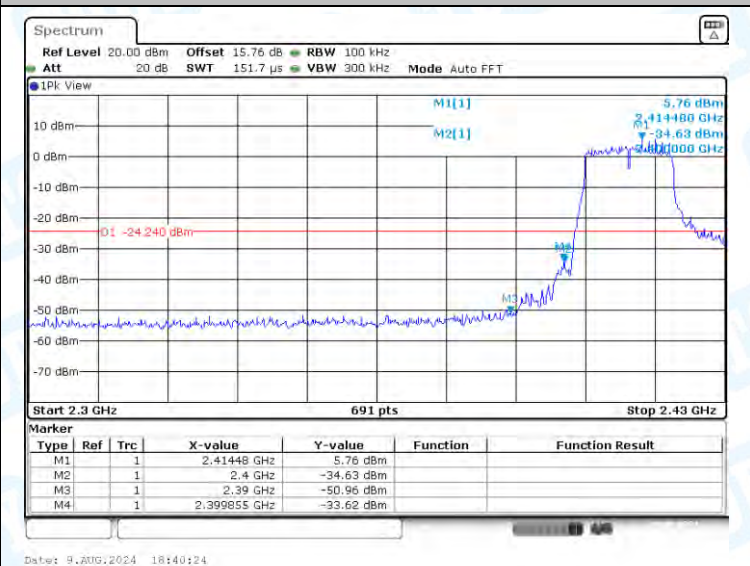
11B-Ant1-2462-PASS



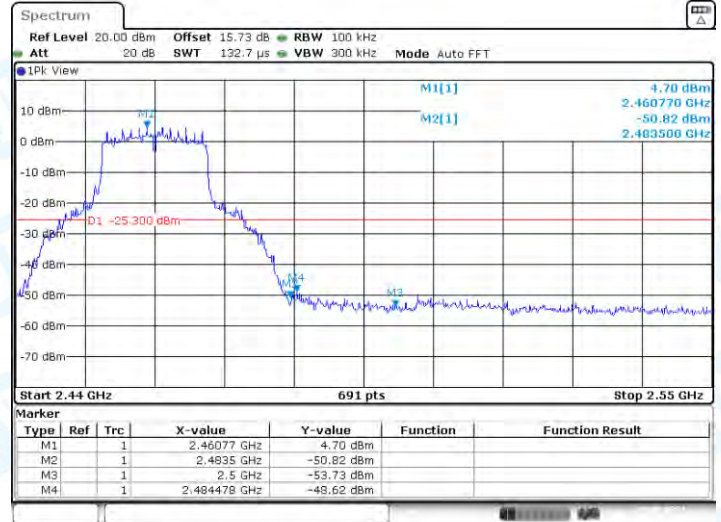
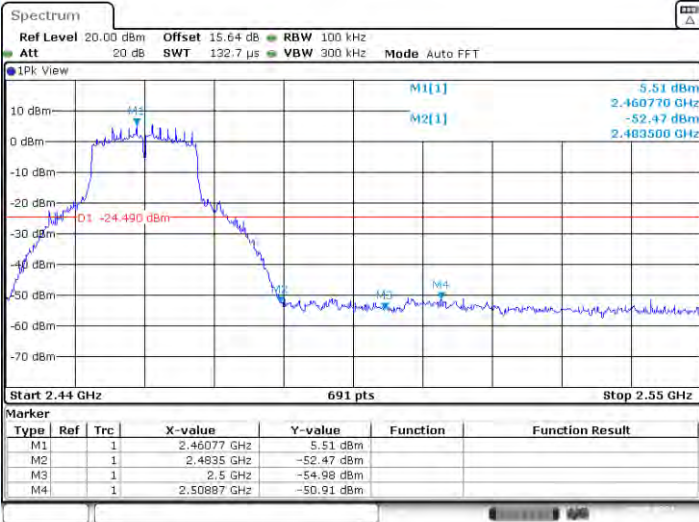
11B-Ant2-2462-PASS



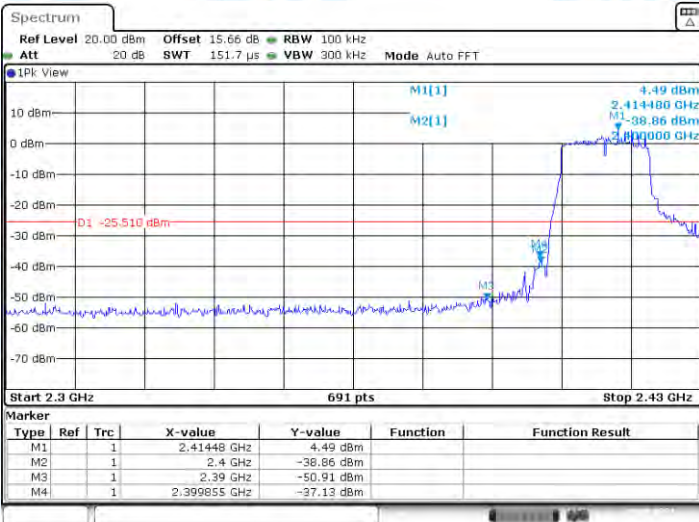
11G-Ant1-2412-PASS



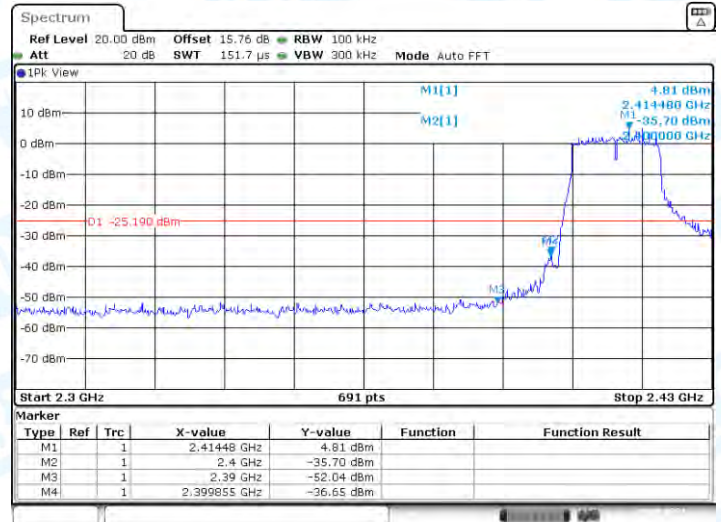
11G-Ant2-2412-PASS



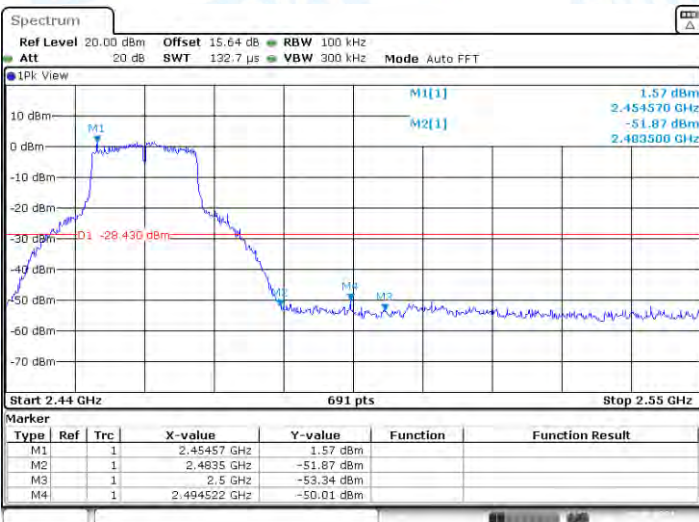
11G-Ant1-2462-PASS



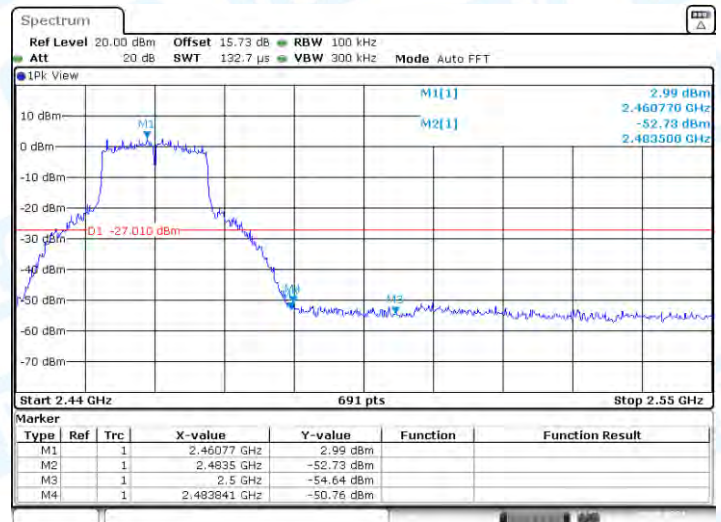
11G-Ant2-2462-PASS



11G-CDD-Ant1-2412-PASS

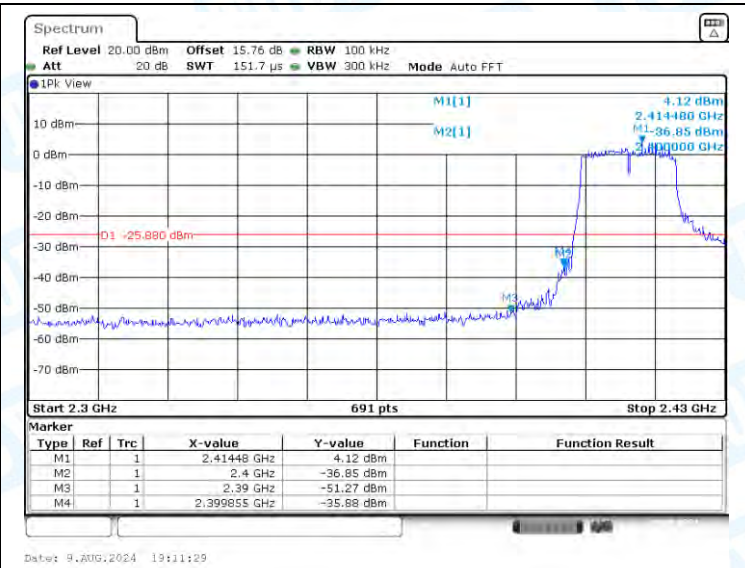


11G-CDD-Ant2-2412-PASS

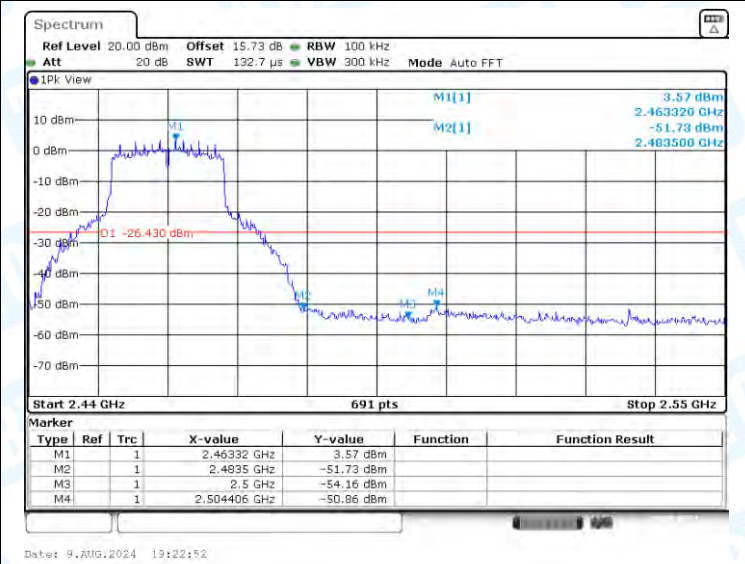
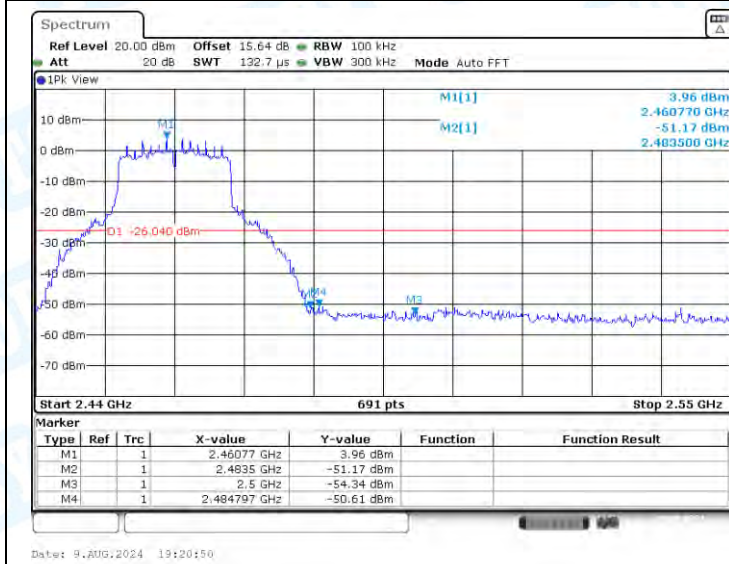


11G-CDD-Ant1-2462-PASS

11G-CDD-Ant2-2462-PASS

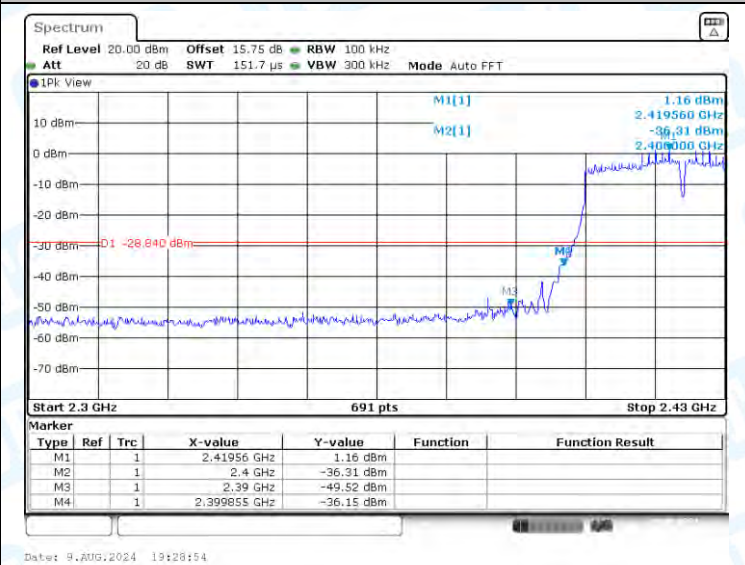
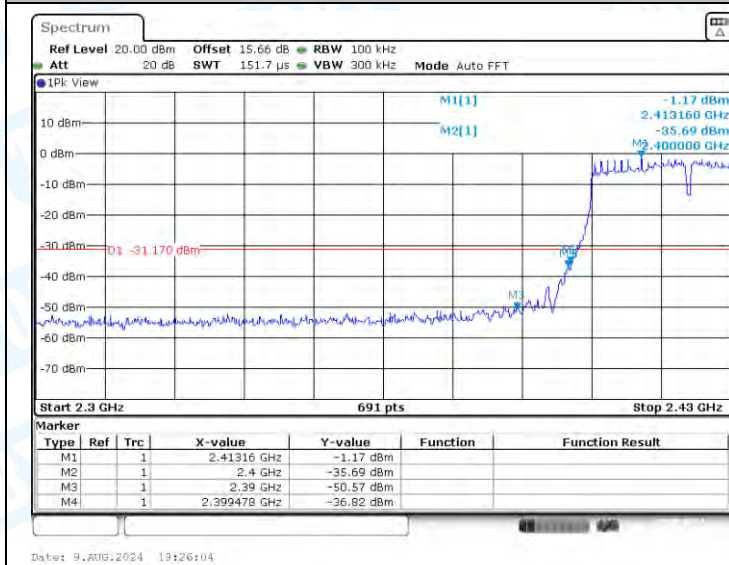


11N20-CDD-Ant1-2412-PASS



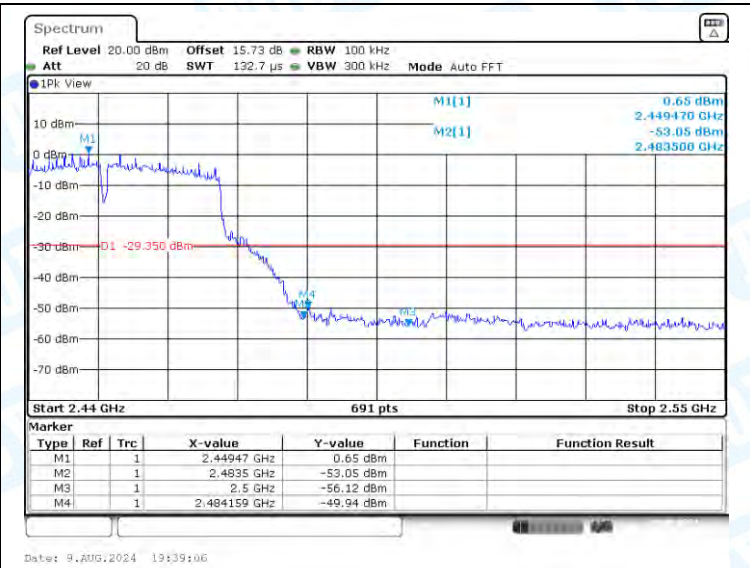
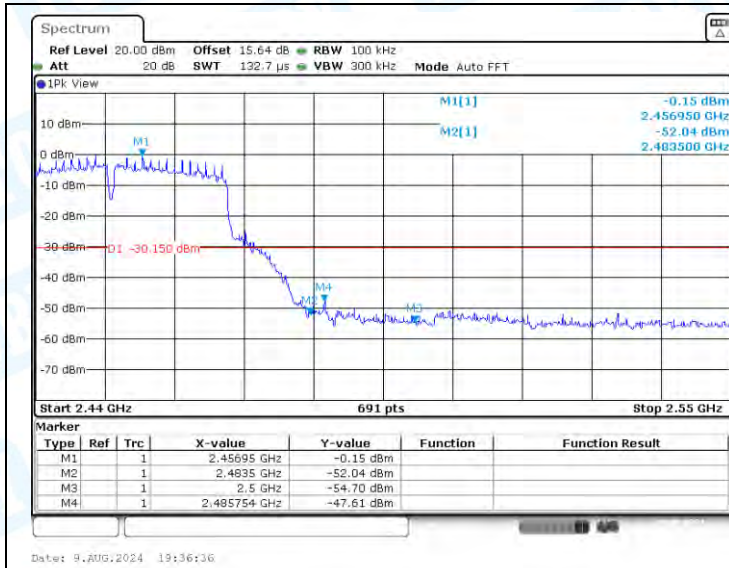
11N20-CDD-Ant1-2462-PASS

11N20-CDD-Ant2-2462-PASS

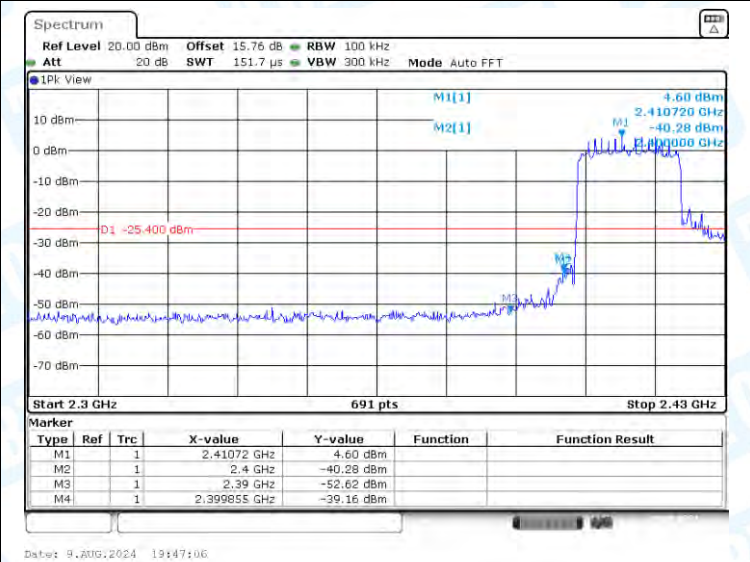
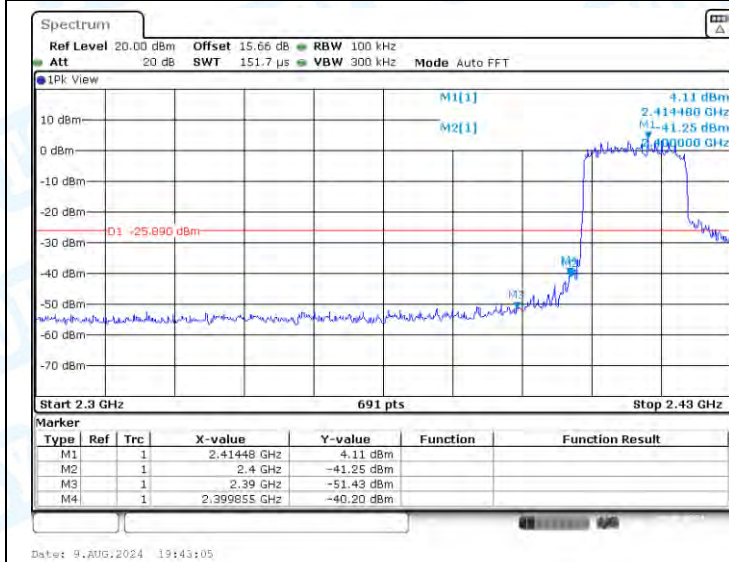


11N40-CDD-Ant1-2422-PASS

11N40-CDD-Ant2-2422-PASS

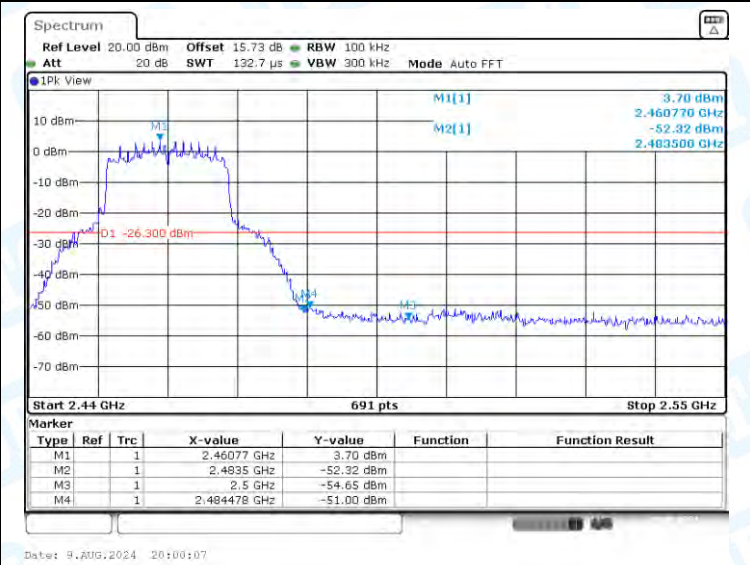
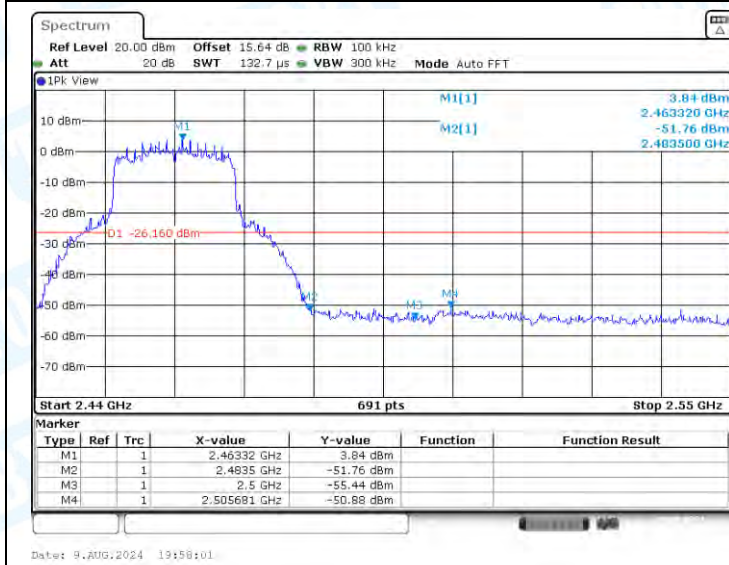


11N40-CDD-Ant1-2452-PASS



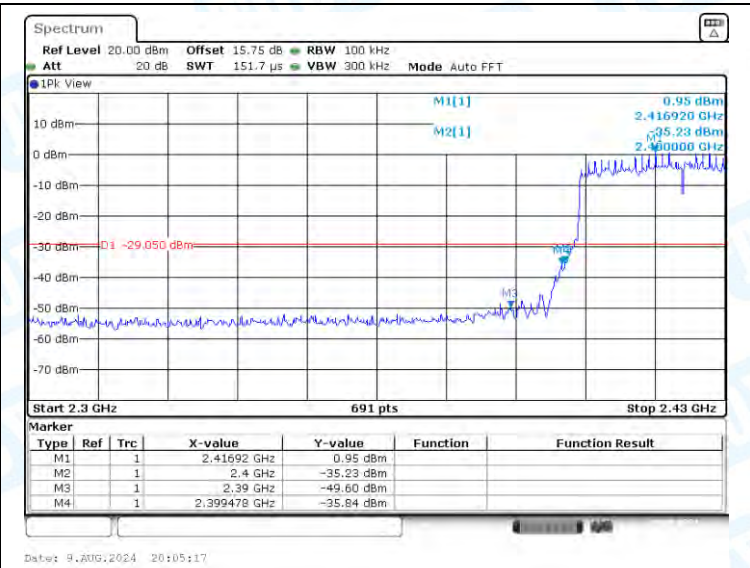
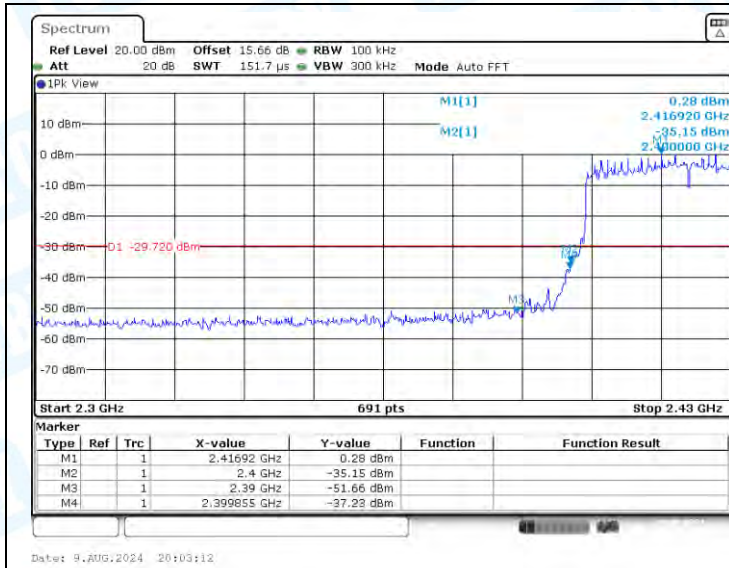
11N40-CDD-Ant2-2412-PASS

11AX20-CDD-Ant1-2412-PASS

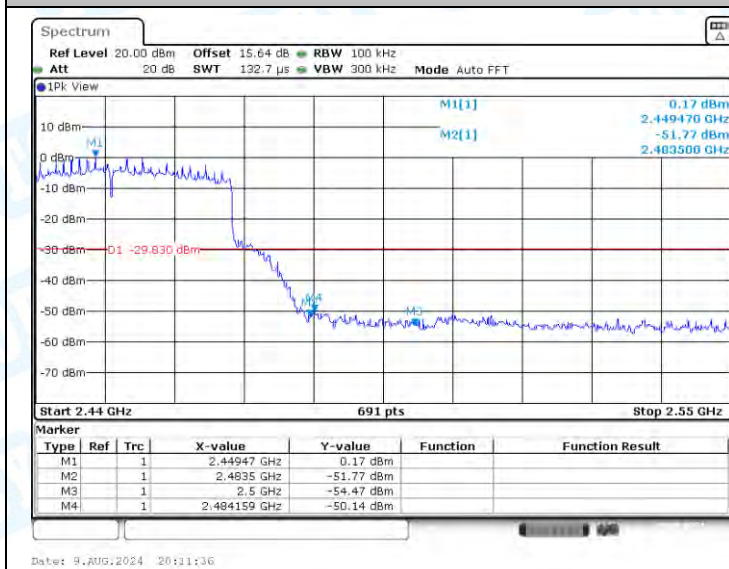


11AX20-CDD-Ant2-2462-PASS

11AX20-CDD-Ant1-2462-PASS



11AX40-CDD-Ant1-2422-PASS



11AX40-CDD-Ant2-2422-PASS



11AX40-CDD-Ant1-2452-PASS

11AX40-CDD-Ant2-2452-PASS

6: Conducted Spurious Emission

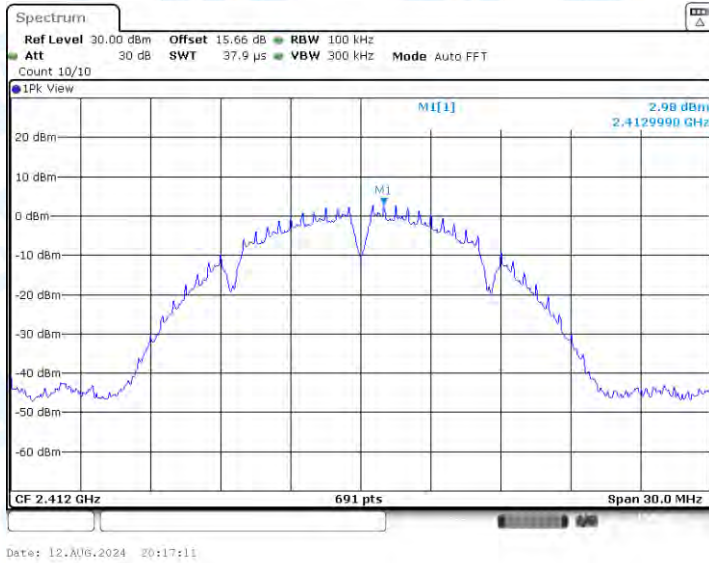
6.1 Test Result

TestMode	Ant.	Frequency [MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	2.98	2.98	---	PASS
11B	Ant1	2412	30~1000	2.98	-48.55	≤-27.02	PASS
11B	Ant1	2412	1000~26500	2.98	-45.69	≤-27.02	PASS
11B	Ant2	2412	0~Reference	3.15	3.15	---	PASS
11B	Ant2	2412	30~1000	3.15	-50.54	≤-26.85	PASS
11B	Ant2	2412	1000~26500	3.15	-45.19	≤-26.85	PASS
11B	Ant1	2437	0~Reference	2.43	2.43	---	PASS
11B	Ant1	2437	30~1000	2.43	-51.14	≤-27.57	PASS
11B	Ant1	2437	1000~26500	2.43	-45.24	≤-27.57	PASS
11B	Ant2	2437	0~Reference	2.56	2.56	---	PASS
11B	Ant2	2437	30~1000	2.56	-49.71	≤-27.44	PASS
11B	Ant2	2437	1000~26500	2.56	-45.37	≤-27.44	PASS
11B	Ant1	2462	0~Reference	1.64	1.64	---	PASS
11B	Ant1	2462	30~1000	1.64	-51.26	≤-28.36	PASS
11B	Ant1	2462	1000~26500	1.64	-46.01	≤-28.36	PASS
11B	Ant2	2462	0~Reference	1.58	1.58	---	PASS
11B	Ant2	2462	30~1000	1.58	-50.82	≤-28.42	PASS
11B	Ant2	2462	1000~26500	1.58	-45.56	≤-28.42	PASS
11G	Ant1	2412	0~Reference	5.71	5.71	---	PASS
11G	Ant1	2412	30~1000	5.71	-51.01	≤-24.29	PASS
11G	Ant1	2412	1000~26500	5.71	-45.83	≤-24.29	PASS
11G	Ant2	2412	0~Reference	6.23	6.23	---	PASS
11G	Ant2	2412	30~1000	6.23	-49.73	≤-23.77	PASS
11G	Ant2	2412	1000~26500	6.23	-45.41	≤-23.77	PASS
11G	Ant1	2437	0~Reference	5.75	5.75	---	PASS
11G	Ant1	2437	30~1000	5.75	-49.42	≤-24.25	PASS
11G	Ant1	2437	1000~26500	5.75	-45.71	≤-24.25	PASS
11G	Ant2	2437	0~Reference	6.12	6.12	---	PASS
11G	Ant2	2437	30~1000	6.12	-48.41	≤-23.88	PASS
11G	Ant2	2437	1000~26500	6.12	-45.07	≤-23.88	PASS
11G	Ant1	2462	0~Reference	5.42	5.42	---	PASS
11G	Ant1	2462	30~1000	5.42	-50.89	≤-24.58	PASS
11G	Ant1	2462	1000~26500	5.42	-46.26	≤-24.58	PASS
11G	Ant2	2462	0~Reference	4.93	4.93	---	PASS
11G	Ant2	2462	30~1000	4.93	-51.38	≤-25.07	PASS
11G	Ant2	2462	1000~26500	4.93	-45.28	≤-25.07	PASS
11G-CDD	Ant1	2412	0~Reference	4.80	4.80	---	PASS
11G-CDD	Ant1	2412	30~1000	4.80	-50.92	≤-25.2	PASS
11G-CDD	Ant1	2412	1000~26500	4.80	-45.51	≤-25.2	PASS
11G-CDD	Ant2	2412	0~Reference	5.25	5.25	---	PASS
11G-CDD	Ant2	2412	30~1000	5.25	-50.92	≤-24.75	PASS
11G-CDD	Ant2	2412	1000~26500	5.25	-44.96	≤-24.75	PASS
11G-CDD	Ant1	2437	0~Reference	4.74	4.74	---	PASS
11G-CDD	Ant1	2437	30~1000	4.74	-51.1	≤-25.26	PASS
11G-CDD	Ant1	2437	1000~26500	4.74	-44.79	≤-25.26	PASS
11G-CDD	Ant2	2437	0~Reference	5.00	5.00	---	PASS
11G-CDD	Ant2	2437	30~1000	5.00	-50.92	≤-25	PASS
11G-CDD	Ant2	2437	1000~26500	5.00	-45.2	≤-25	PASS
11G-CDD	Ant1	2462	0~Reference	4.61	4.61	---	PASS
11G-CDD	Ant1	2462	30~1000	4.61	-50.7	≤-25.39	PASS
11G-CDD	Ant1	2462	1000~26500	4.61	-45.73	≤-25.39	PASS
11G-CDD	Ant2	2462	0~Reference	4.59	4.59	---	PASS

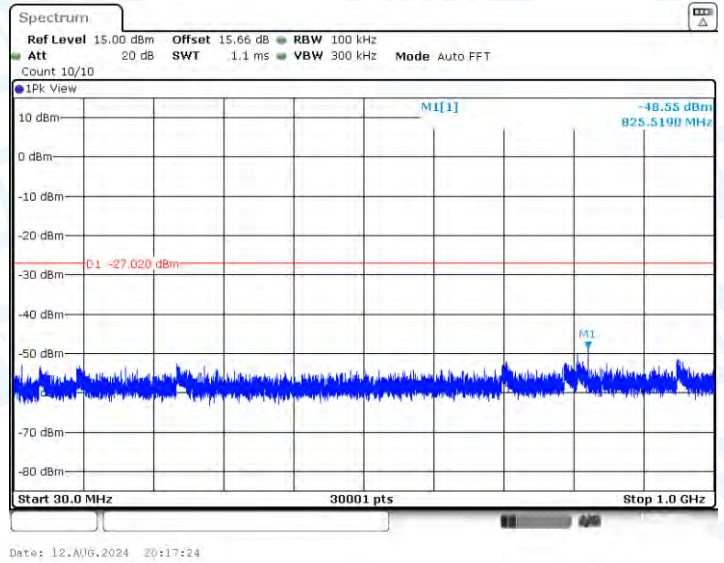
11G-CDD	Ant2	2462	30~1000	4.59	-50.12	≤-25.41	PASS
11G-CDD	Ant2	2462	1000~26500	4.59	-45.68	≤-25.41	PASS
11N20-CDD	Ant1	2412	0~Reference	3.90	3.90	---	PASS
11N20-CDD	Ant1	2412	30~1000	3.90	-51.04	≤-26.1	PASS
11N20-CDD	Ant1	2412	1000~26500	3.90	-45.17	≤-26.1	PASS
11N20-CDD	Ant2	2412	0~Reference	4.52	4.52	---	PASS
11N20-CDD	Ant2	2412	30~1000	4.52	-51.03	≤-25.48	PASS
11N20-CDD	Ant2	2412	1000~26500	4.52	-44.71	≤-25.48	PASS
11N20-CDD	Ant1	2437	0~Reference	4.40	4.40	---	PASS
11N20-CDD	Ant1	2437	30~1000	4.40	-51.34	≤-25.6	PASS
11N20-CDD	Ant1	2437	1000~26500	4.40	-44.22	≤-25.6	PASS
11N20-CDD	Ant2	2437	0~Reference	4.61	4.61	---	PASS
11N20-CDD	Ant2	2437	30~1000	4.61	-50.31	≤-25.39	PASS
11N20-CDD	Ant2	2437	1000~26500	4.61	-45.39	≤-25.39	PASS
11N20-CDD	Ant1	2462	0~Reference	3.99	3.99	---	PASS
11N20-CDD	Ant1	2462	30~1000	3.99	-51.4	≤-26.01	PASS
11N20-CDD	Ant1	2462	1000~26500	3.99	-45.77	≤-26.01	PASS
11N20-CDD	Ant2	2462	0~Reference	3.95	3.95	---	PASS
11N20-CDD	Ant2	2462	30~1000	3.95	-51.12	≤-26.05	PASS
11N20-CDD	Ant2	2462	1000~26500	3.95	-45.63	≤-26.05	PASS
11N40-CDD	Ant1	2422	0~Reference	0.69	0.69	---	PASS
11N40-CDD	Ant1	2422	30~1000	0.69	-50.57	≤-29.31	PASS
11N40-CDD	Ant1	2422	1000~26500	0.69	-45.77	≤-29.31	PASS
11N40-CDD	Ant2	2422	0~Reference	1.31	1.31	---	PASS
11N40-CDD	Ant2	2422	30~1000	1.31	-50.32	≤-28.69	PASS
11N40-CDD	Ant2	2422	1000~26500	1.31	-44.85	≤-28.69	PASS
11N40-CDD	Ant1	2437	0~Reference	0.53	0.53	---	PASS
11N40-CDD	Ant1	2437	30~1000	0.53	-50.97	≤-29.47	PASS
11N40-CDD	Ant1	2437	1000~26500	0.53	-45.64	≤-29.47	PASS
11N40-CDD	Ant2	2437	0~Reference	0.93	0.93	---	PASS
11N40-CDD	Ant2	2437	30~1000	0.93	-51.53	≤-29.07	PASS
11N40-CDD	Ant2	2437	1000~26500	0.93	-44.96	≤-29.07	PASS
11N40-CDD	Ant1	2452	0~Reference	0.24	0.24	---	PASS
11N40-CDD	Ant1	2452	30~1000	0.24	-51.58	≤-29.76	PASS
11N40-CDD	Ant1	2452	1000~26500	0.24	-44.86	≤-29.76	PASS
11N40-CDD	Ant2	2452	0~Reference	0.79	0.79	---	PASS
11N40-CDD	Ant2	2452	30~1000	0.79	-51.05	≤-29.21	PASS
11N40-CDD	Ant2	2452	1000~26500	0.79	-45.83	≤-29.21	PASS
11AX20-CDD	Ant1	2412	0~Reference	4.71	4.71	---	PASS
11AX20-CDD	Ant1	2412	30~1000	4.71	-50.89	≤-25.29	PASS
11AX20-CDD	Ant1	2412	1000~26500	4.71	-45.46	≤-25.29	PASS
11AX20-CDD	Ant2	2412	0~Reference	4.60	4.60	---	PASS
11AX20-CDD	Ant2	2412	30~1000	4.60	-49.91	≤-25.4	PASS
11AX20-CDD	Ant2	2412	1000~26500	4.60	-45.57	≤-25.4	PASS
11AX20-CDD	Ant1	2437	0~Reference	4.08	4.08	---	PASS
11AX20-CDD	Ant1	2437	30~1000	4.08	-50.6	≤-25.92	PASS
11AX20-CDD	Ant1	2437	1000~26500	4.08	-45.84	≤-25.92	PASS
11AX20-CDD	Ant2	2437	0~Reference	4.35	4.35	---	PASS
11AX20-CDD	Ant2	2437	30~1000	4.35	-50.59	≤-25.65	PASS
11AX20-CDD	Ant2	2437	1000~26500	4.35	-45.03	≤-25.65	PASS
11AX20-CDD	Ant1	2462	0~Reference	3.96	3.96	---	PASS
11AX20-CDD	Ant1	2462	30~1000	3.96	-50.49	≤-26.04	PASS
11AX20-CDD	Ant1	2462	1000~26500	3.96	-45.42	≤-26.04	PASS
11AX20-CDD	Ant2	2462	0~Reference	4.01	4.01	---	PASS
11AX20-CDD	Ant2	2462	30~1000	4.01	-51.06	≤-25.99	PASS
11AX20-CDD	Ant2	2462	1000~26500	4.01	-45.28	≤-25.99	PASS
11AX40-CDD	Ant1	2422	0~Reference	0.92	0.92	---	PASS
11AX40-CDD	Ant1	2422	30~1000	0.92	-50.62	≤-29.08	PASS
11AX40-CDD	Ant1	2422	1000~26500	0.92	-45.36	≤-29.08	PASS

11AX40-CDD	Ant2	2422	0~Reference	1.16	1.16	---	PASS
11AX40-CDD	Ant2	2422	30~1000	1.16	-50.44	≤-28.84	PASS
11AX40-CDD	Ant2	2422	1000~26500	1.16	-45.27	≤-28.84	PASS
11AX40-CDD	Ant1	2437	0~Reference	0.55	0.55	---	PASS
11AX40-CDD	Ant1	2437	30~1000	0.55	-50.36	≤-29.45	PASS
11AX40-CDD	Ant1	2437	1000~26500	0.55	-45.51	≤-29.45	PASS
11AX40-CDD	Ant2	2437	0~Reference	0.87	0.87	---	PASS
11AX40-CDD	Ant2	2437	30~1000	0.87	-50.01	≤-29.13	PASS
11AX40-CDD	Ant2	2437	1000~26500	0.87	-45.68	≤-29.13	PASS
11AX40-CDD	Ant1	2452	0~Reference	0.34	0.34	---	PASS
11AX40-CDD	Ant1	2452	30~1000	0.34	-51.54	≤-29.66	PASS
11AX40-CDD	Ant1	2452	1000~26500	0.34	-45.22	≤-29.66	PASS
11AX40-CDD	Ant2	2452	0~Reference	0.69	0.69	---	PASS
11AX40-CDD	Ant2	2452	30~1000	0.69	-50.69	≤-29.31	PASS
11AX40-CDD	Ant2	2452	1000~26500	0.69	-44.94	≤-29.31	PASS

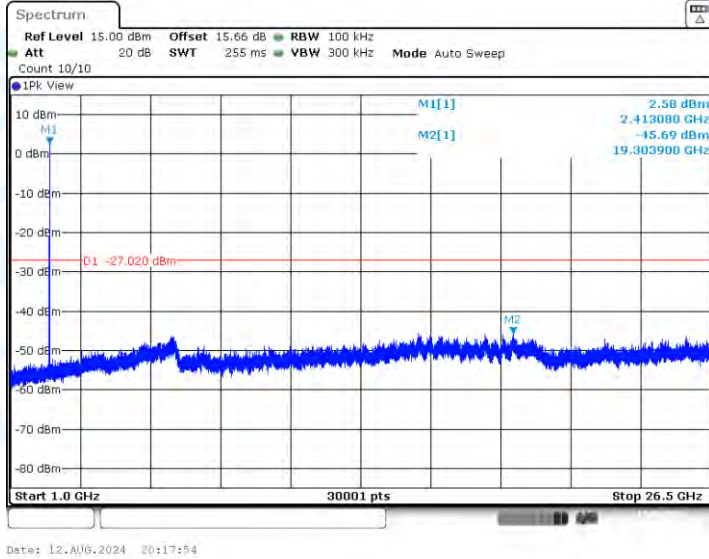
6.2 Test Graphs



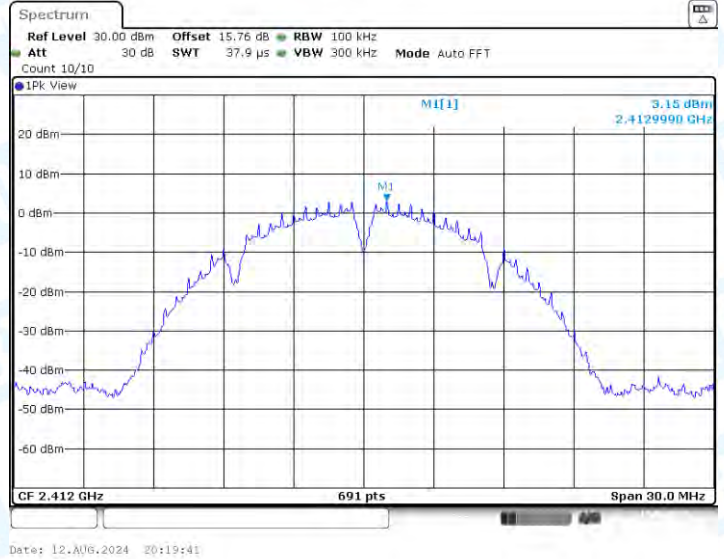
11B-Ant1-2412-0~Reference-PASS



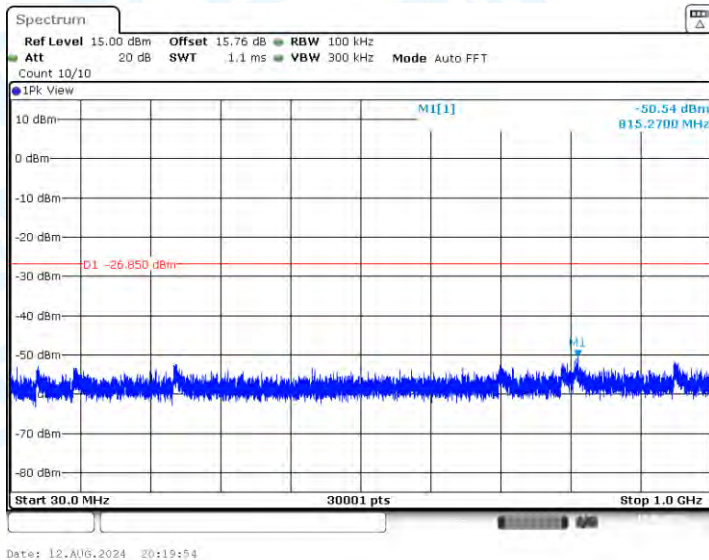
11B-Ant1-2412-30~1000-PASS



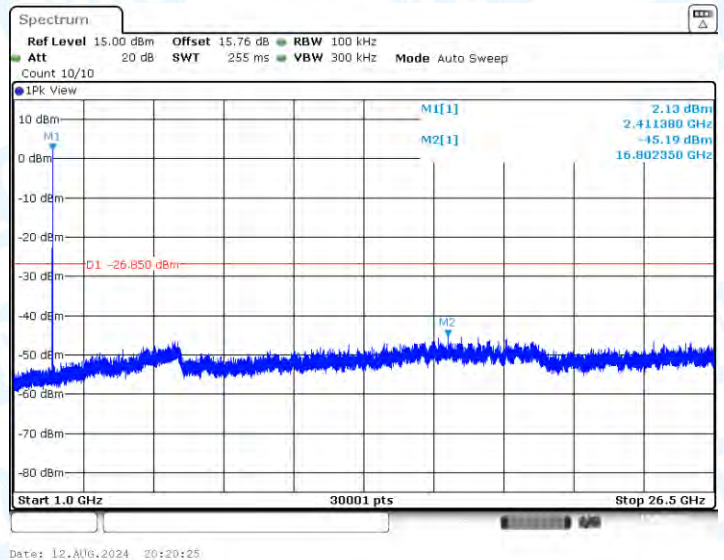
11B-Ant1-2412-1000~26500-PASS



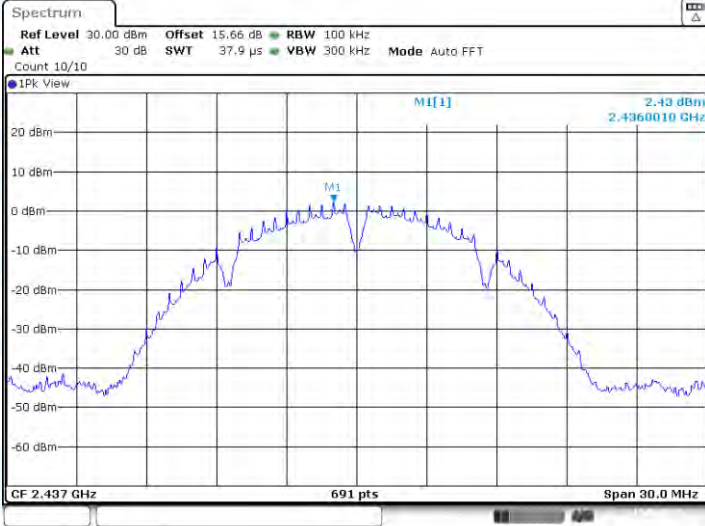
11B-Ant2-2412-0~Reference-PASS



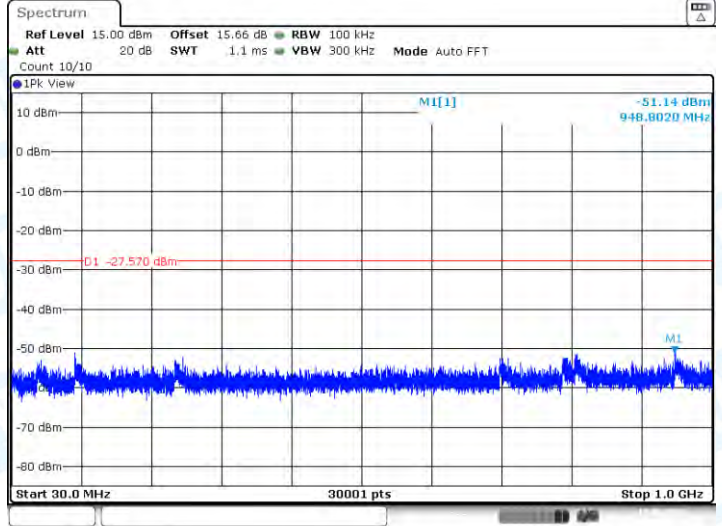
11B-Ant2-2412-30~1000-PASS



11B-Ant2-2412-1000~26500-PASS

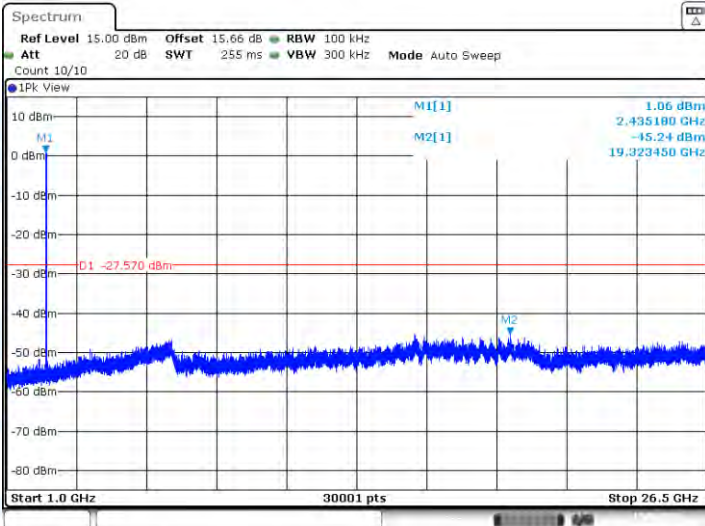


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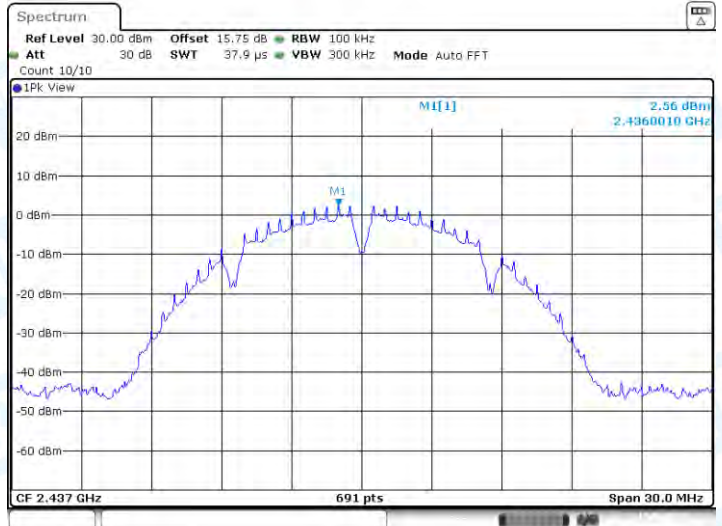
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11B-Ant1-2437-0~Reference-PASS



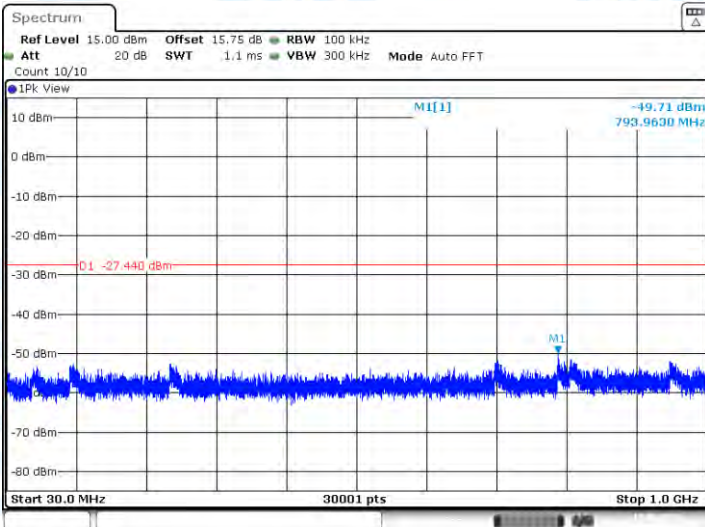
Date: 12.AUG.2024 20:23:01

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



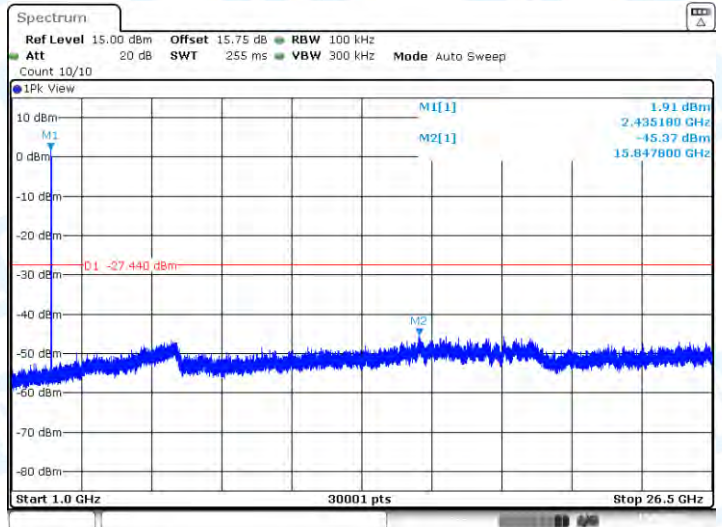
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11B-Ant1-2437-1000~26500-PASS



Date: 12.AUG.2024 20:24:40

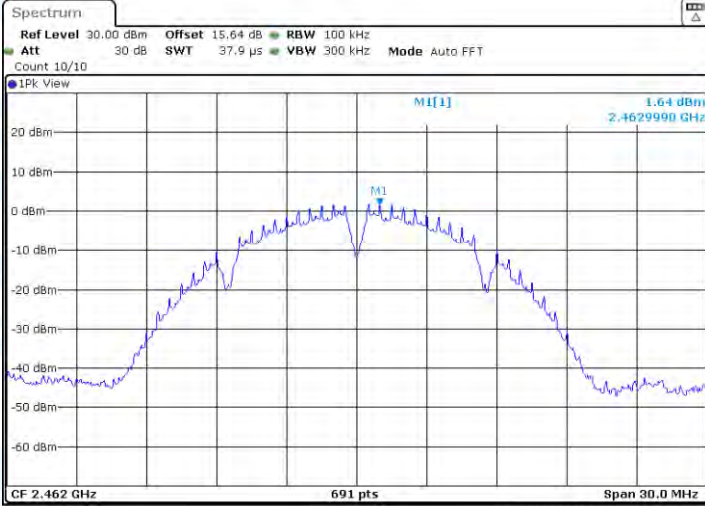
11B-Ant2-2437-0~Reference-PASS



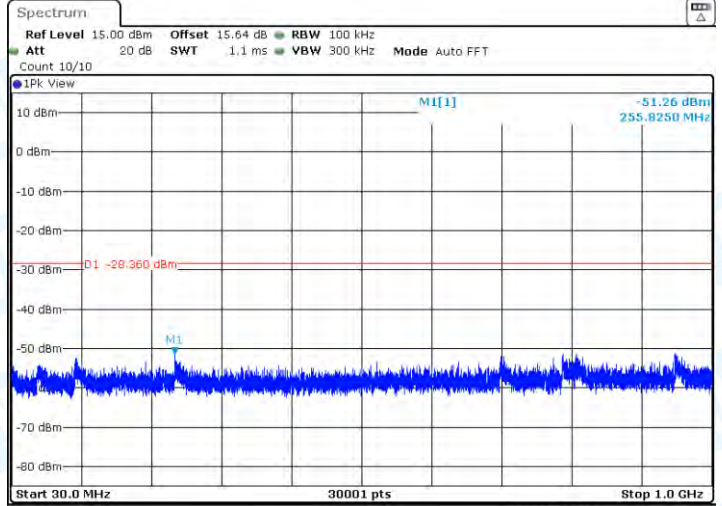
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11B-Ant2-2437-30~1000-PASS

11B-Ant2-2437-1000~26500-PASS



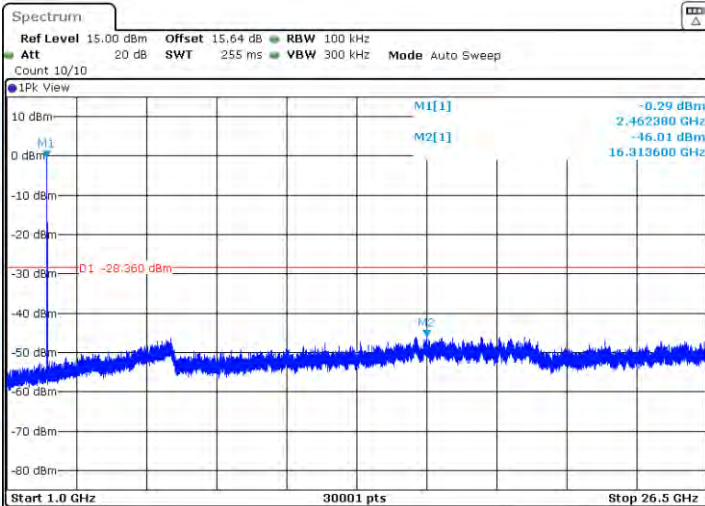
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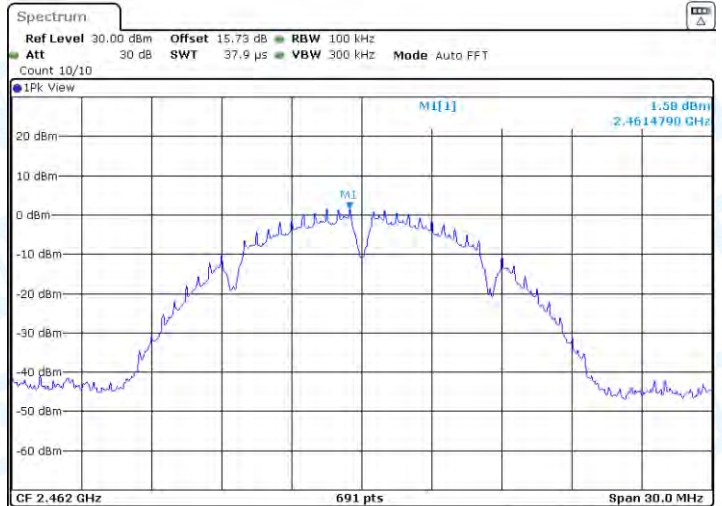
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11B-Ant1-2462-0~Reference-PASS

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



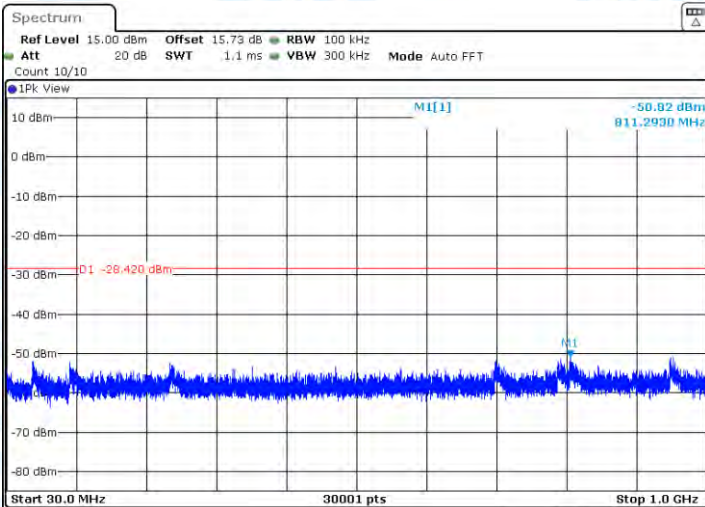
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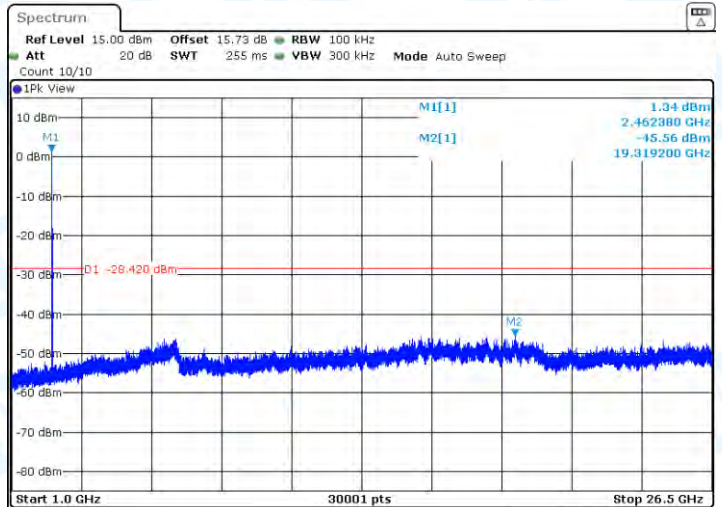
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11B-Ant1-2462-1000~26500-PASS

11B-Ant2-2462-0~Reference-PASS



Date: 12.AUG.2024 20:27:13



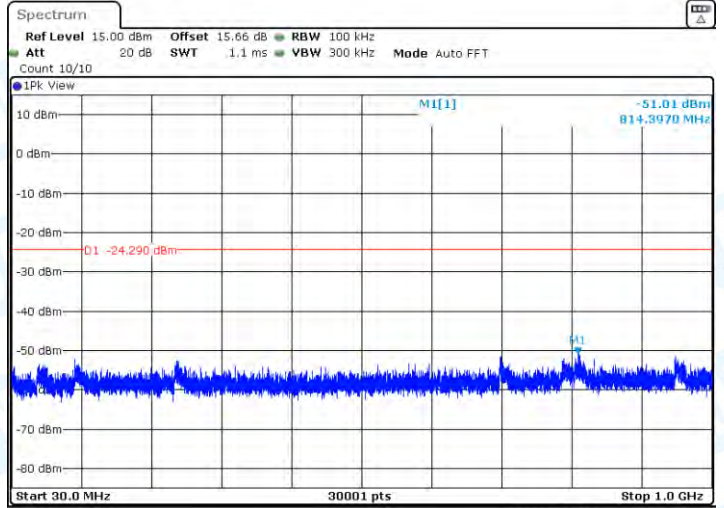
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11B-Ant2-2462-30~1000-PASS

11B-Ant2-2462-1000~26500-PASS

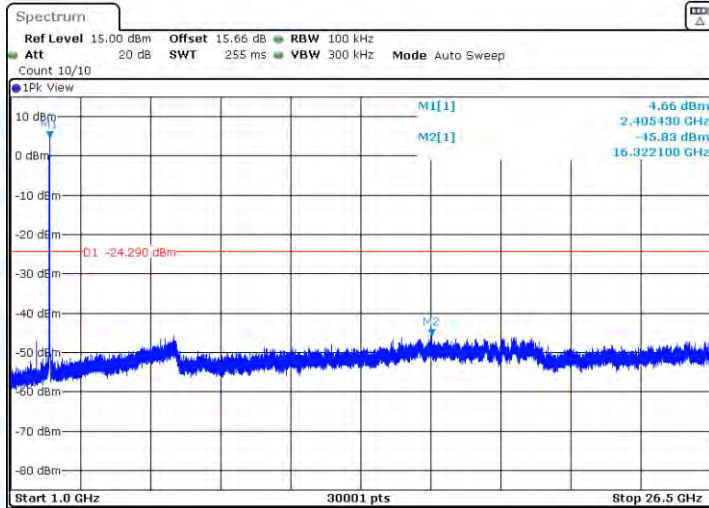


Date: 9.AUG.2024 18:39:25



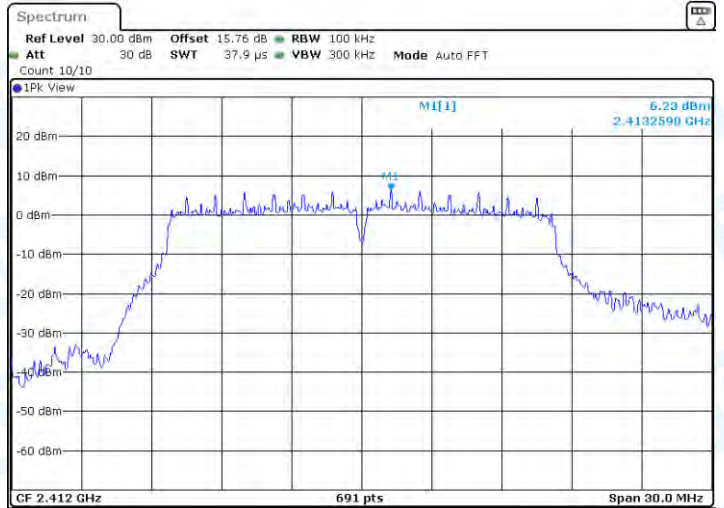
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11G-Ant1-2412-0~Reference-PASS



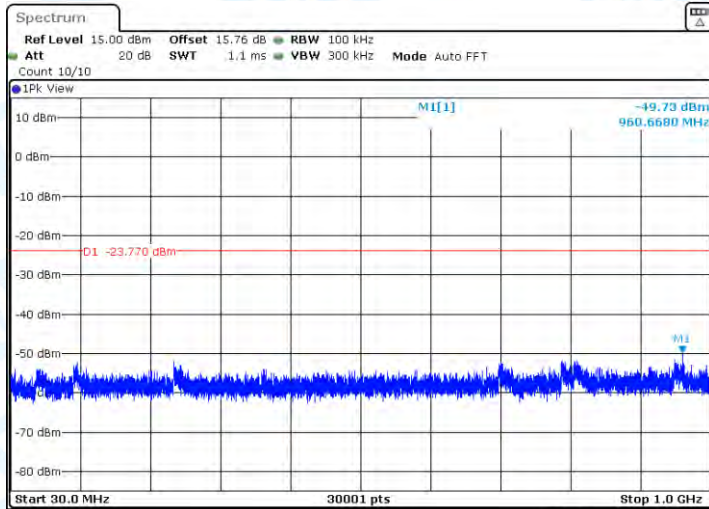
Date: 9.AUG.2024 18:39:06

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



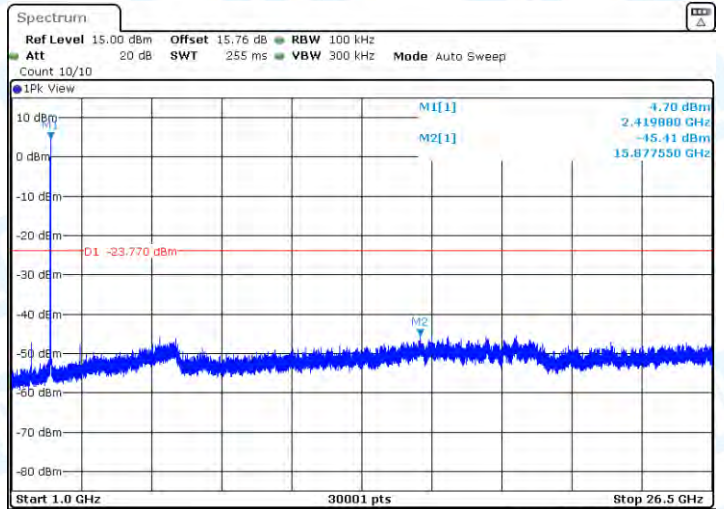
Date: 9.AUG.2024 18:40:34

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



Date: 9.AUG.2024 18:40:46

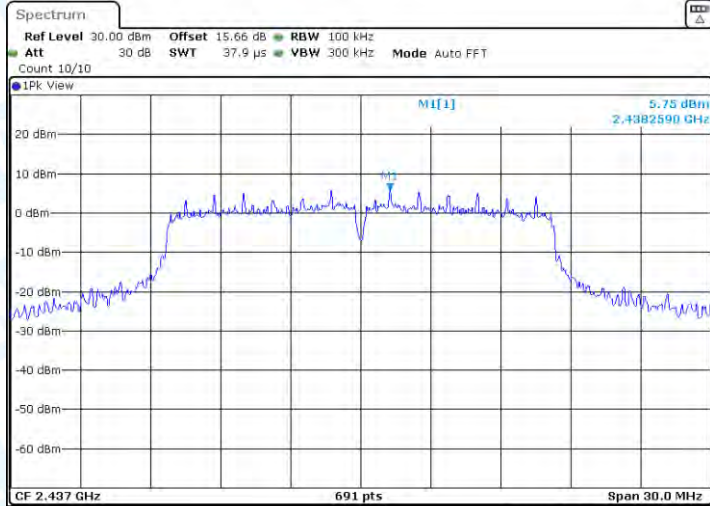
11G-Ant2-2412-0~Reference-PASS



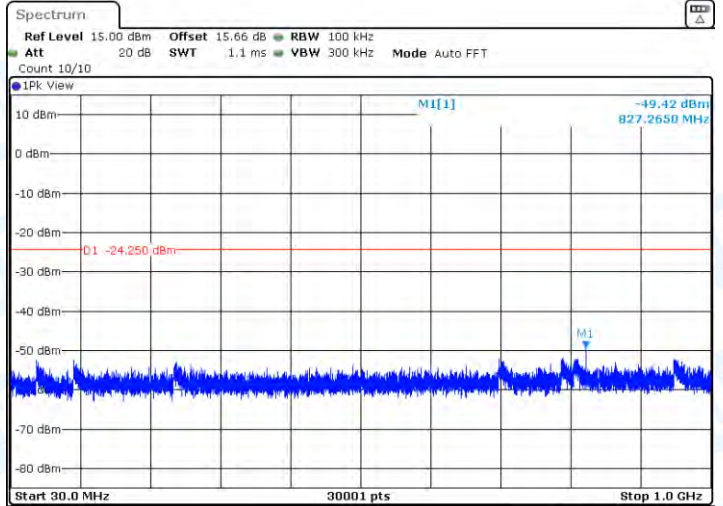
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11G-Ant2-2412-30~1000-PASS

11G-Ant2-2412-1000~26500-PASS



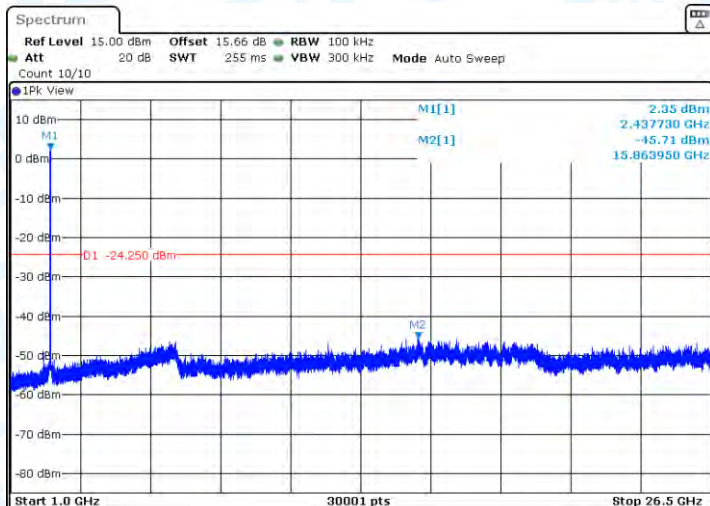
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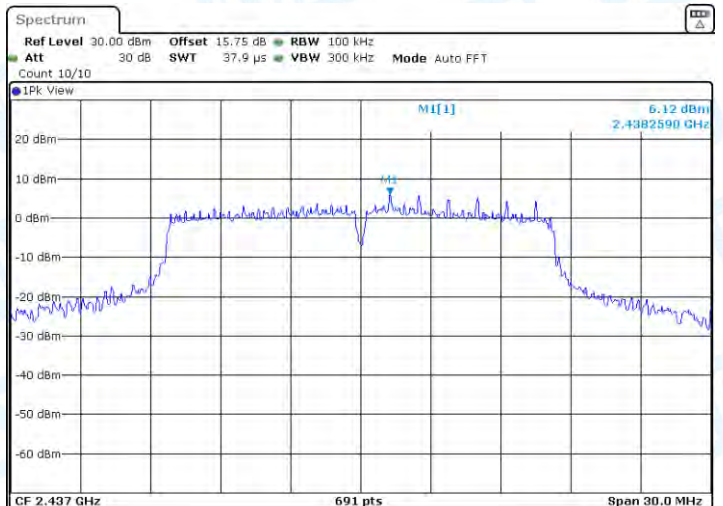
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11G-Ant1-2437-0~Reference-PASS

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



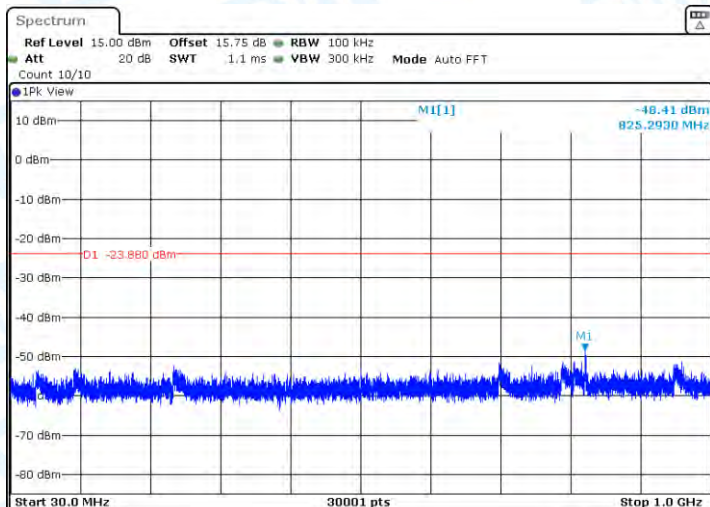
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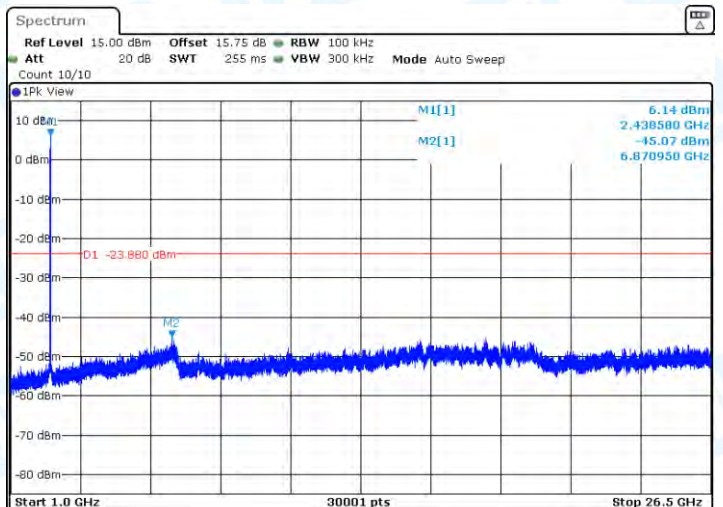
Date: 9.AUG.2024 18:42:35

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

11G-Ant2-2437-0~Reference-PASS



Date: 9.AUG.2024 18:42:46



Date: 9.AUG.2024 18:43:17

11G-Ant2-2437-30~1000-PASS

11G-Ant2-2437-1000~26500-PASS