

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

General Description of EUT	
EUT Name:	AX3000 Dual Band Wi-Fi GPON Terminal
Model:	NPE3039GB
Sample ID:	HC-C-202509-0115-01-01
Test Standard:	FCC Part 15.247
Environmental Conditions	
Ambient Temperature:	24.5°C
Ambient Humidity:	49%RH
Test Power Supply:	DC 12V
Test Engineer:	Rick Chen
Note: For a more detailed features description, please refer to the report TBR-C-202509-0115-1.	

Contents

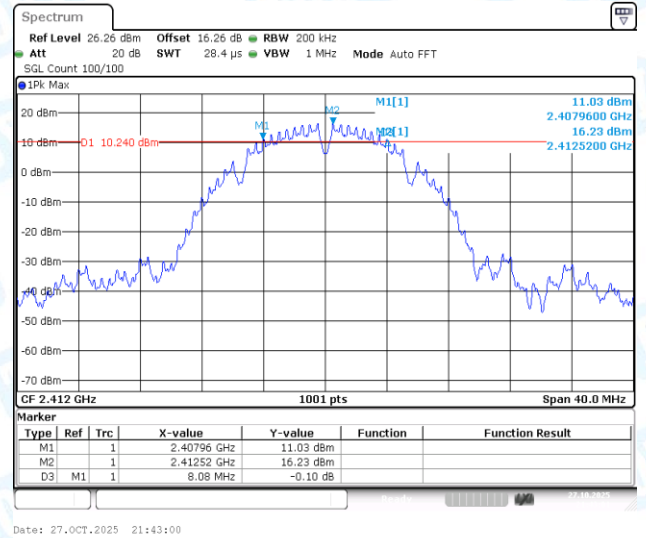
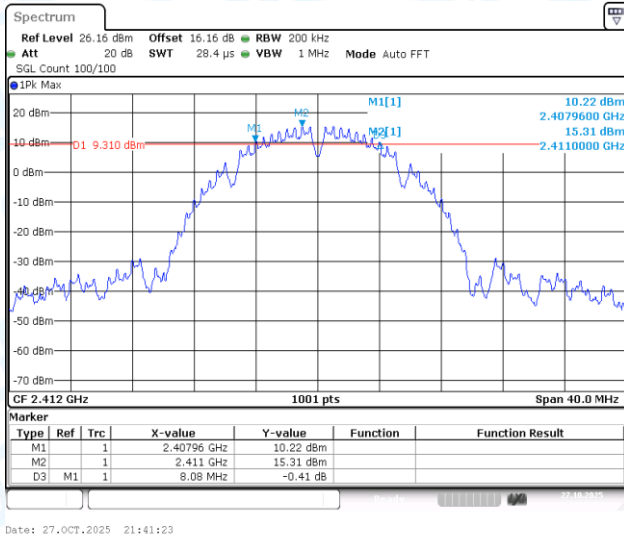
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1: DTS Bandwidth

1.1 Test Result

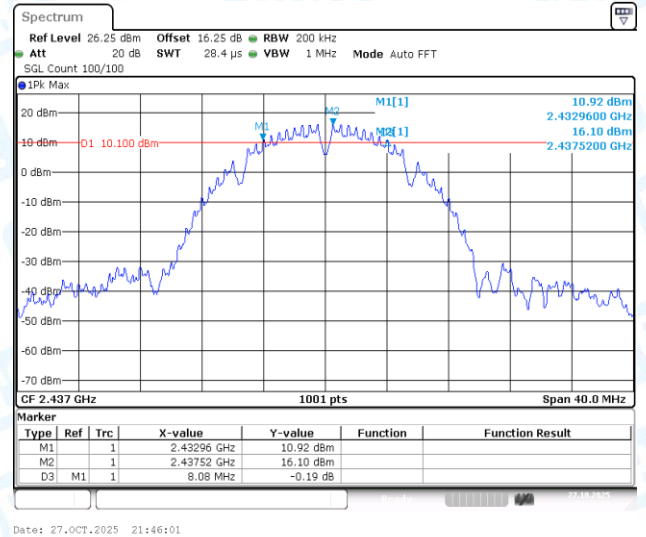
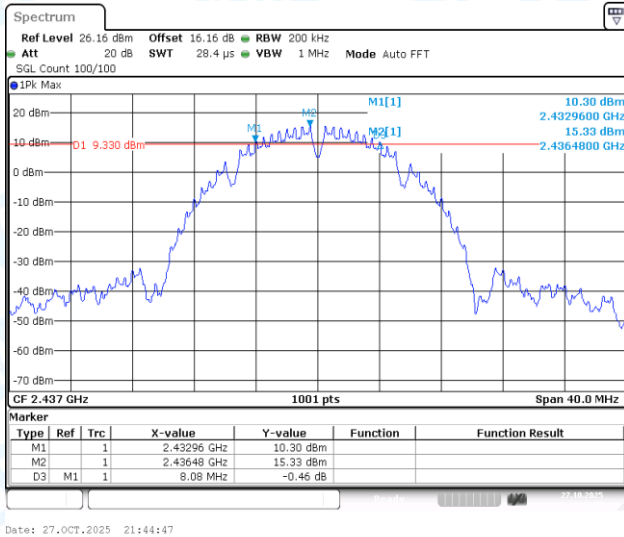
Test Mode	Ant.	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	8.08	2407.96	2416.04	0.5	PASS
11B-CDD	Ant2	2412	8.08	2407.96	2416.04	0.5	PASS
11B-CDD	Ant1	2437	8.08	2432.96	2441.04	0.5	PASS
11B-CDD	Ant2	2437	8.08	2432.96	2441.04	0.5	PASS
11B-CDD	Ant1	2462	8.08	2457.96	2466.04	0.5	PASS
11B-CDD	Ant2	2462	8.08	2457.96	2466.04	0.5	PASS
11G-CDD	Ant1	2412	16.40	2403.80	2420.20	0.5	PASS
11G-CDD	Ant2	2412	16.44	2403.76	2420.20	0.5	PASS
11G-CDD	Ant1	2437	16.40	2428.80	2445.20	0.5	PASS
11G-CDD	Ant2	2437	16.36	2428.84	2445.20	0.5	PASS
11G-CDD	Ant1	2462	15.96	2454.00	2469.96	0.5	PASS
11G-CDD	Ant2	2462	16.36	2453.84	2470.20	0.5	PASS
11N20-CDD	Ant1	2412	17.68	2403.16	2420.84	0.5	PASS
11N20-CDD	Ant2	2412	17.48	2403.24	2420.72	0.5	PASS
11N20-CDD	Ant1	2437	17.36	2428.40	2445.76	0.5	PASS
11N20-CDD	Ant2	2437	16.80	2428.44	2445.24	0.5	PASS
11N20-CDD	Ant1	2462	17.00	2453.60	2470.60	0.5	PASS
11N20-CDD	Ant2	2462	17.64	2453.16	2470.80	0.5	PASS
11N40-CDD	Ant1	2422	36.00	2404.00	2440.00	0.5	PASS
11N40-CDD	Ant2	2422	35.60	2403.76	2439.36	0.5	PASS
11N40-CDD	Ant1	2437	36.24	2418.84	2455.08	0.5	PASS
11N40-CDD	Ant2	2437	36.40	2418.76	2455.16	0.5	PASS
11N40-CDD	Ant1	2452	36.08	2434.00	2470.08	0.5	PASS
11N40-CDD	Ant2	2452	36.24	2433.84	2470.08	0.5	PASS
11AX20-CDD	Ant1	2412	18.92	2402.52	2421.44	0.5	PASS
11AX20-CDD	Ant2	2412	18.88	2402.56	2421.44	0.5	PASS
11AX20-CDD	Ant1	2437	18.80	2427.52	2446.32	0.5	PASS
11AX20-CDD	Ant2	2437	18.96	2427.52	2446.48	0.5	PASS
11AX20-CDD	Ant1	2462	19.12	2452.36	2471.48	0.5	PASS
11AX20-CDD	Ant2	2462	18.96	2452.52	2471.48	0.5	PASS
11AX40-CDD	Ant1	2422	37.44	2403.36	2440.80	0.5	PASS
11AX40-CDD	Ant2	2422	37.36	2403.12	2440.48	0.5	PASS
11AX40-CDD	Ant1	2437	36.08	2419.64	2455.72	0.5	PASS
11AX40-CDD	Ant2	2437	36.56	2418.52	2455.08	0.5	PASS
11AX40-CDD	Ant1	2452	37.52	2432.96	2470.48	0.5	PASS
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1.2 Test Graphs



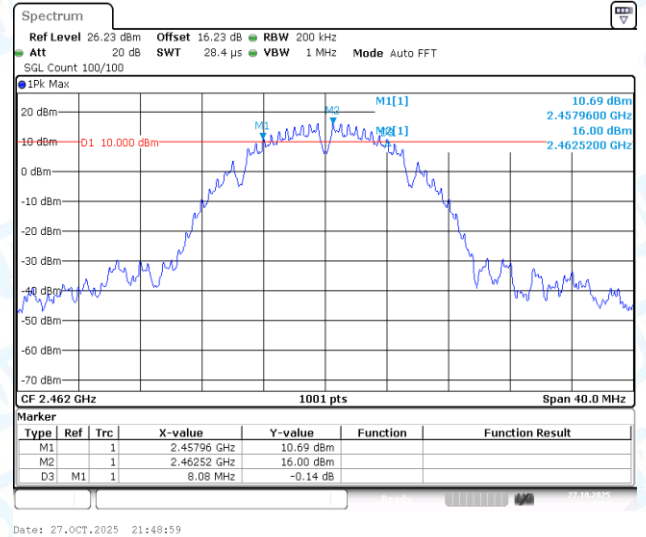
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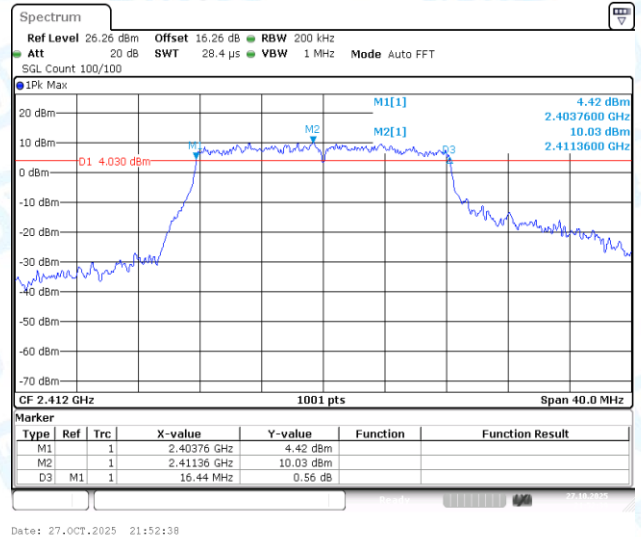
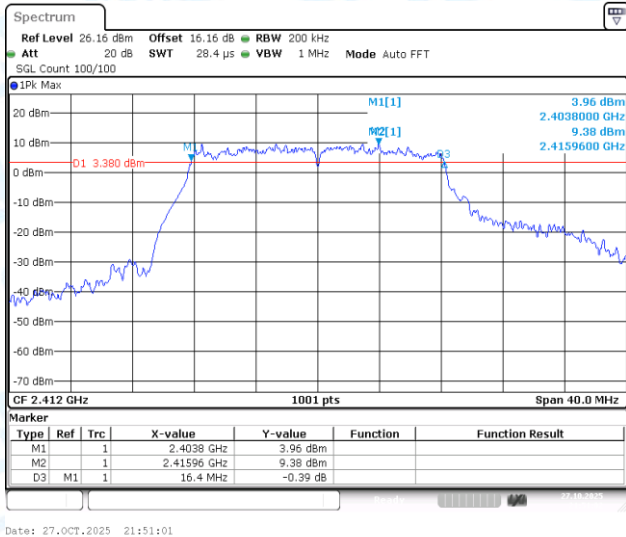
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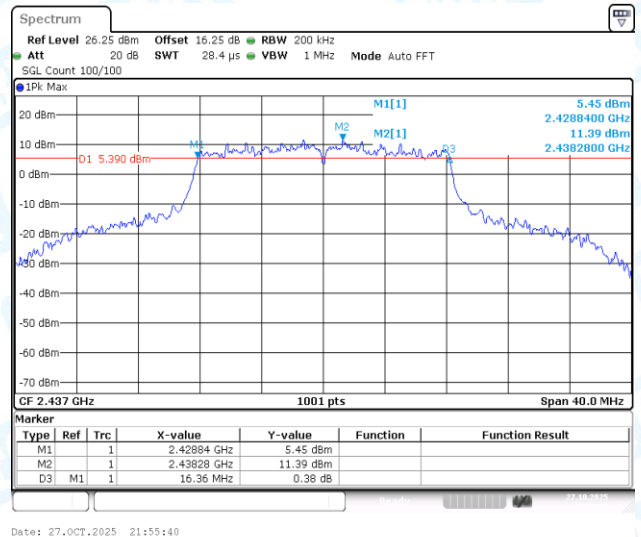
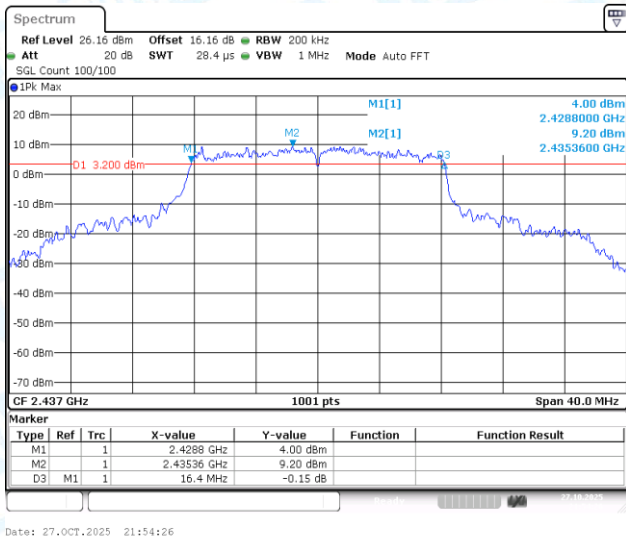
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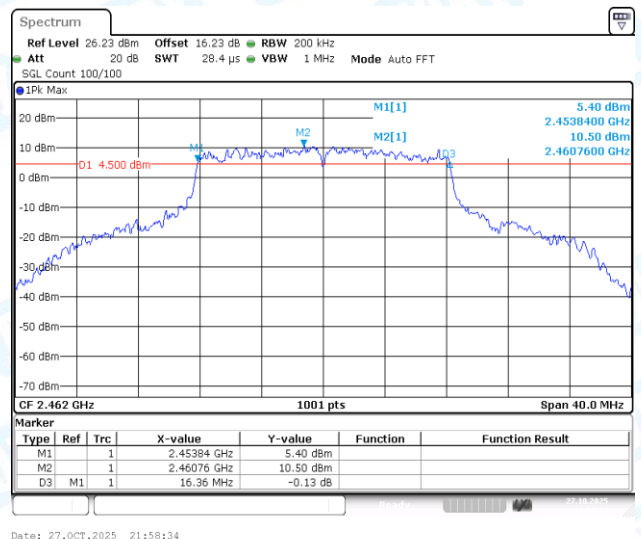
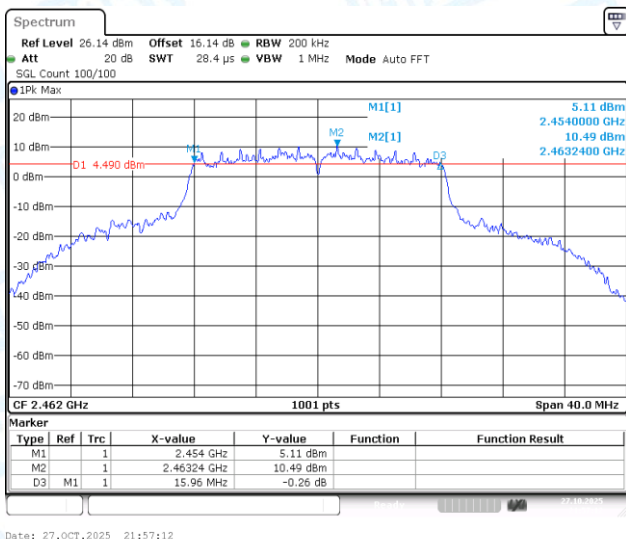
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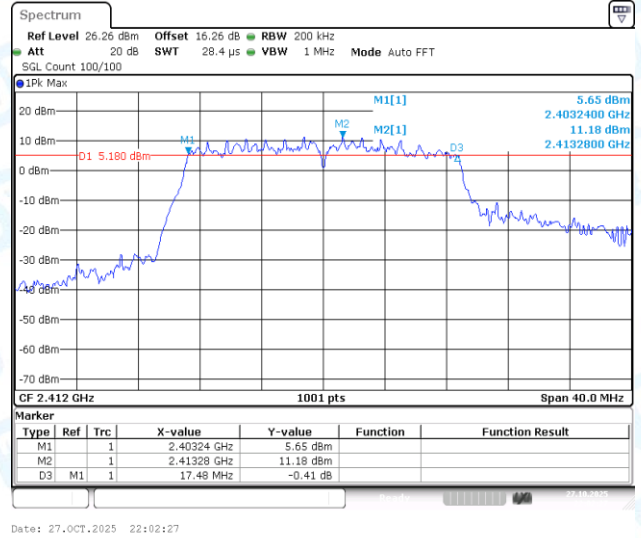
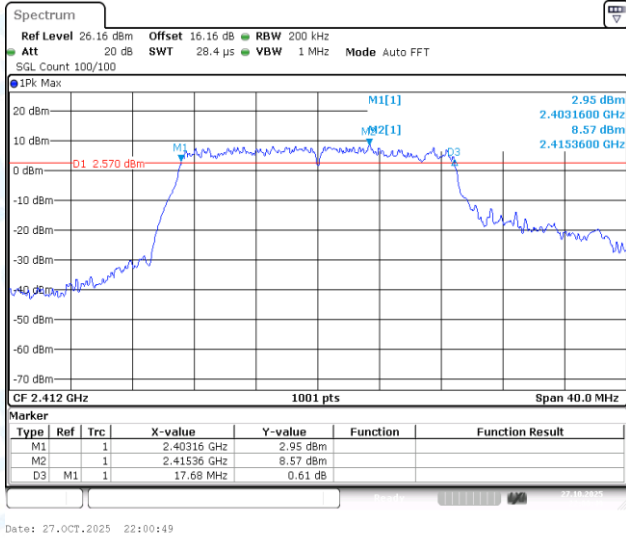
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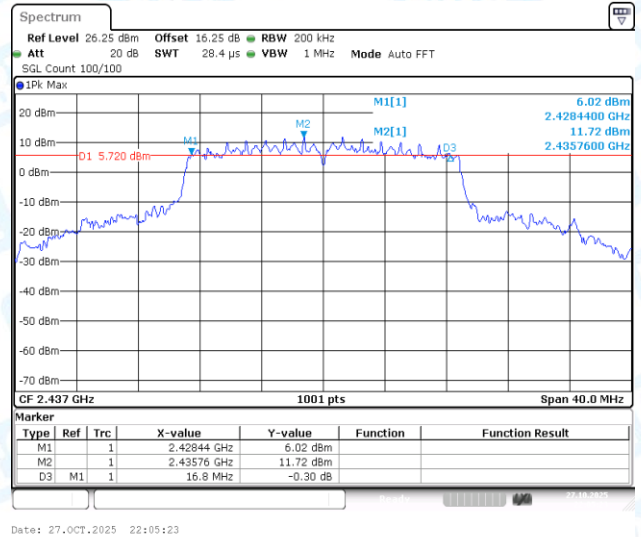
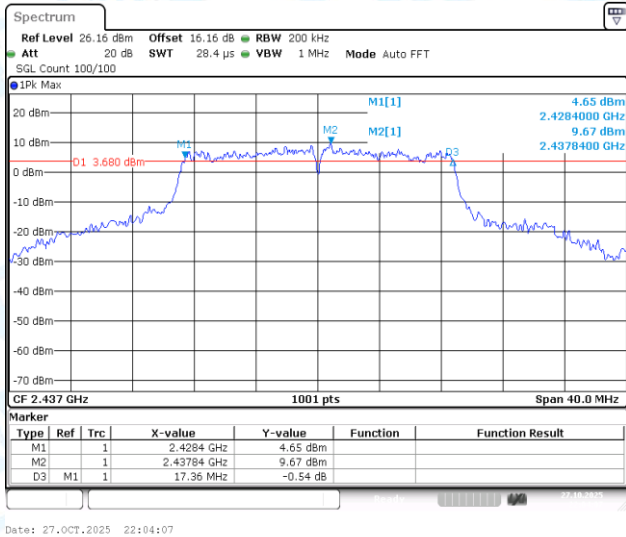
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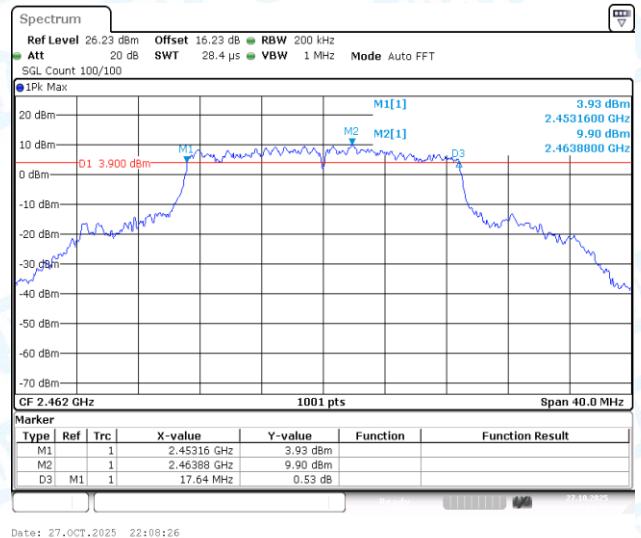
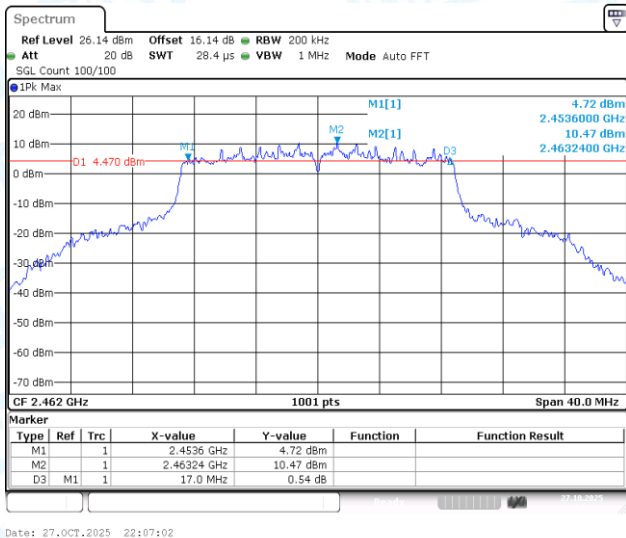
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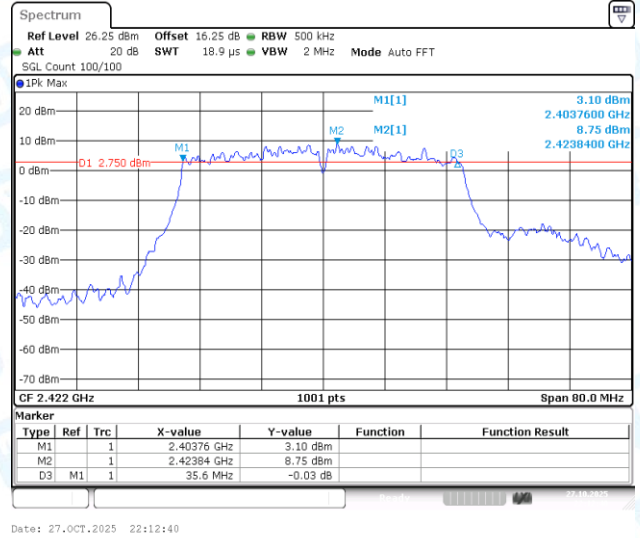
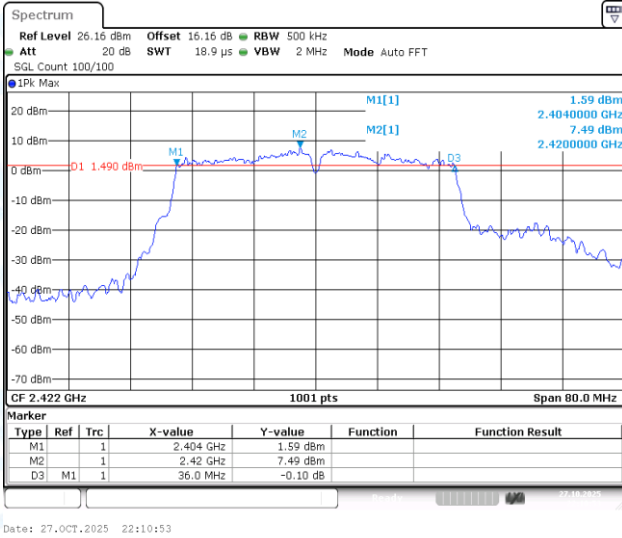
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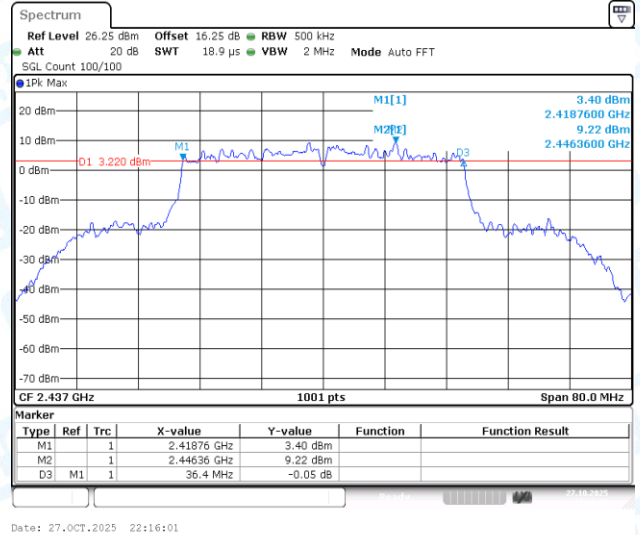
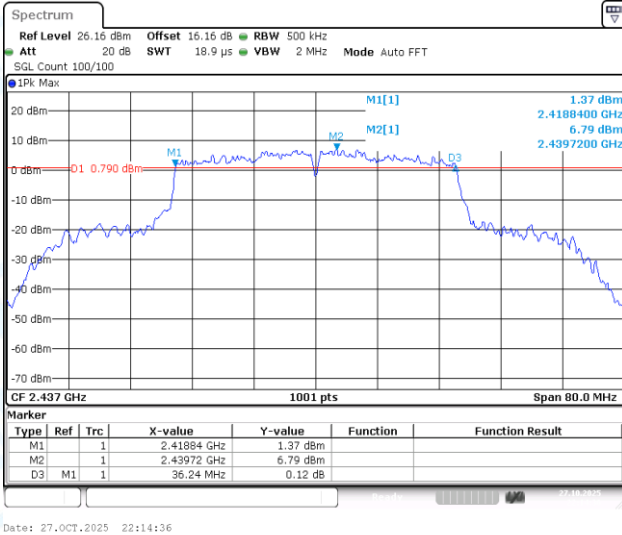
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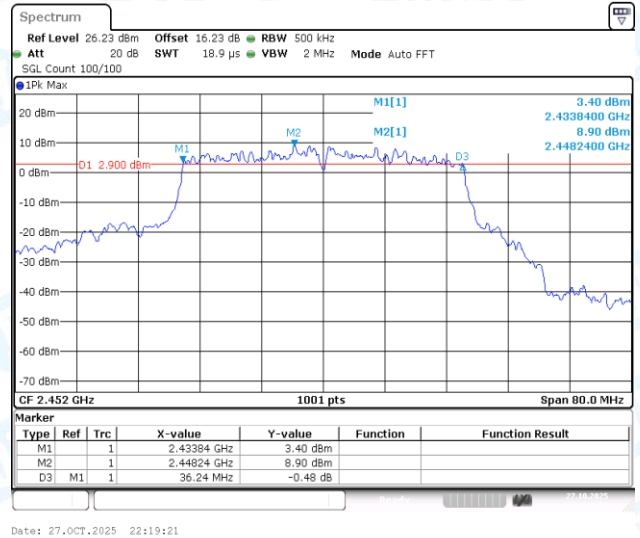
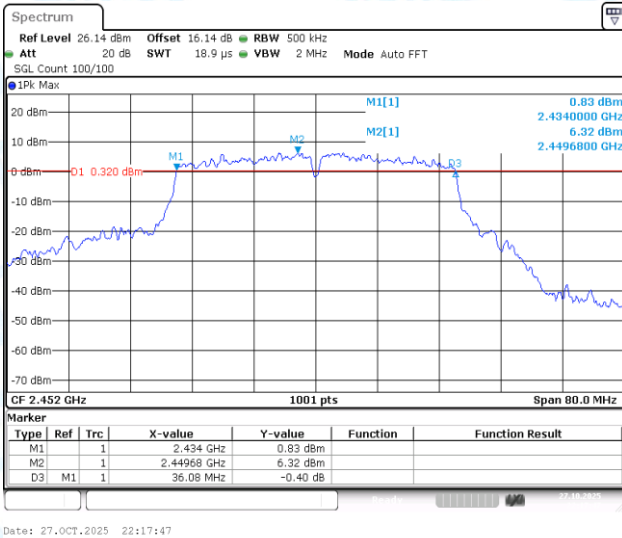
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11N40-CDD-Ant2-2422-PASS



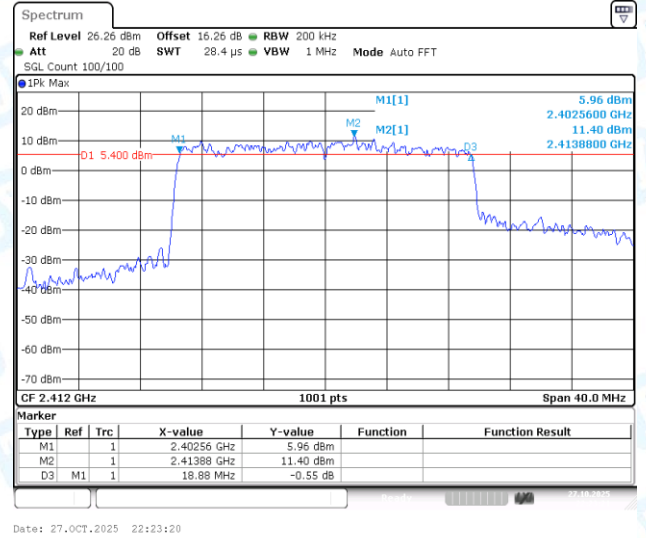
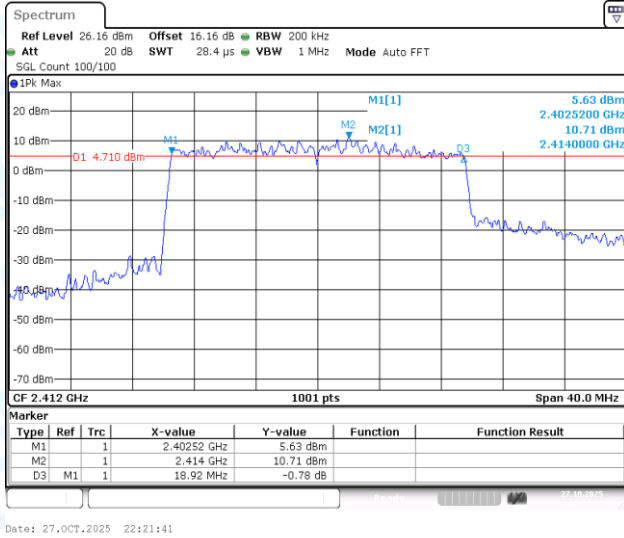
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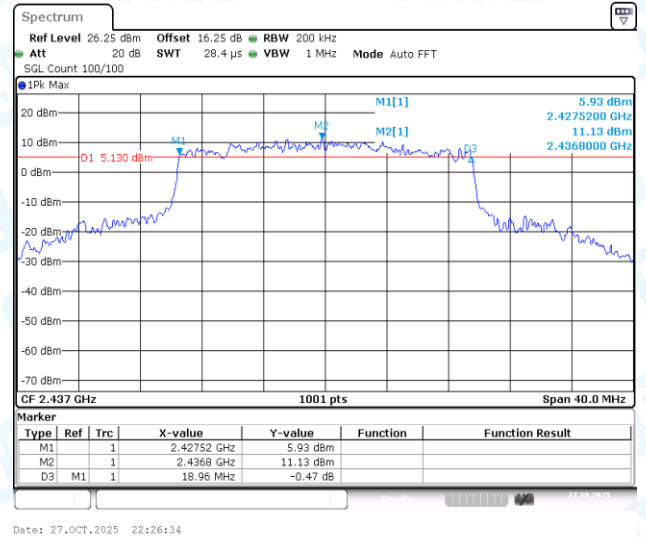
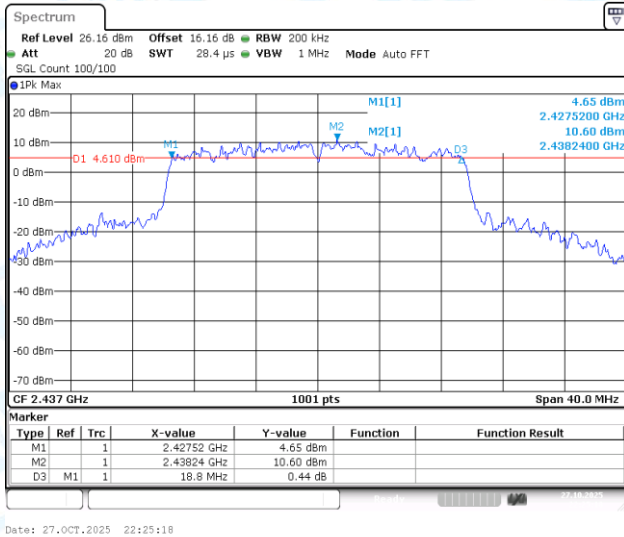
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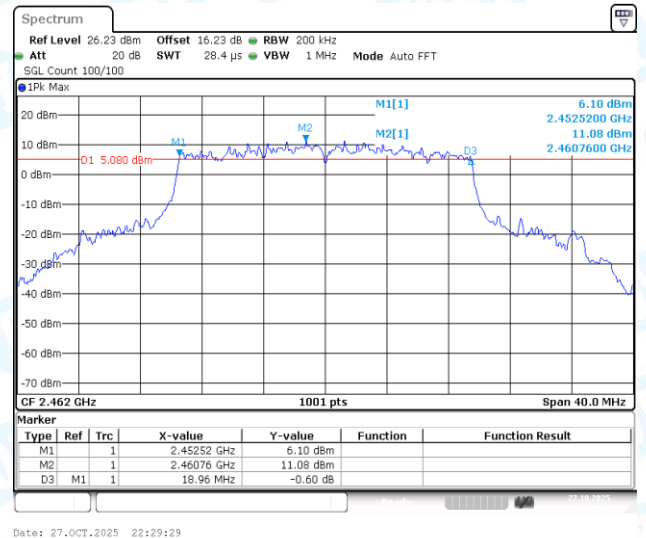
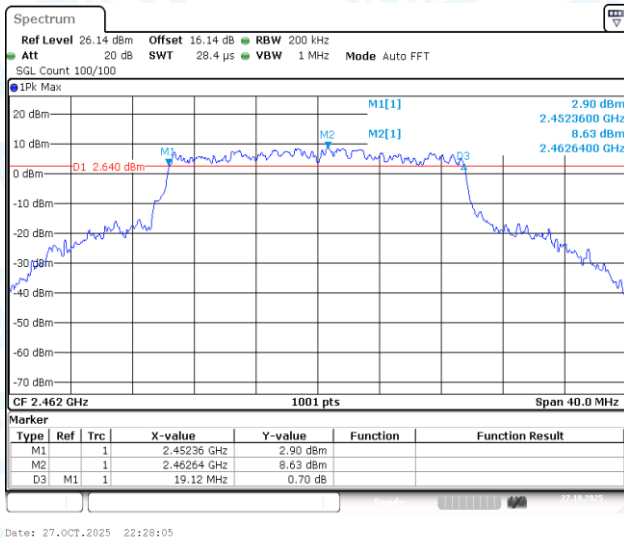
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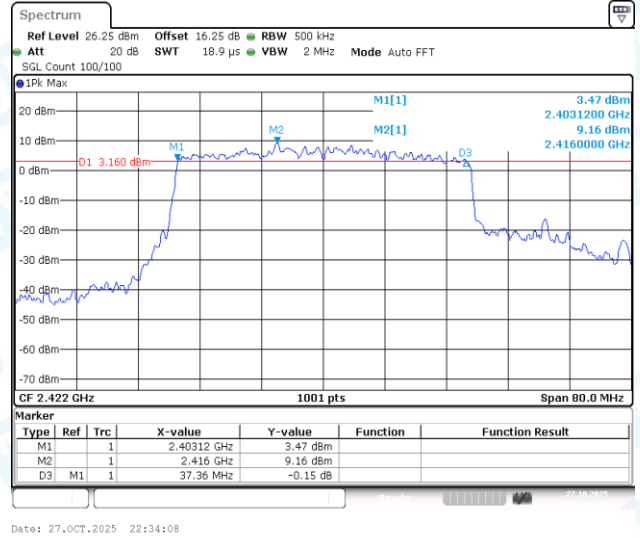
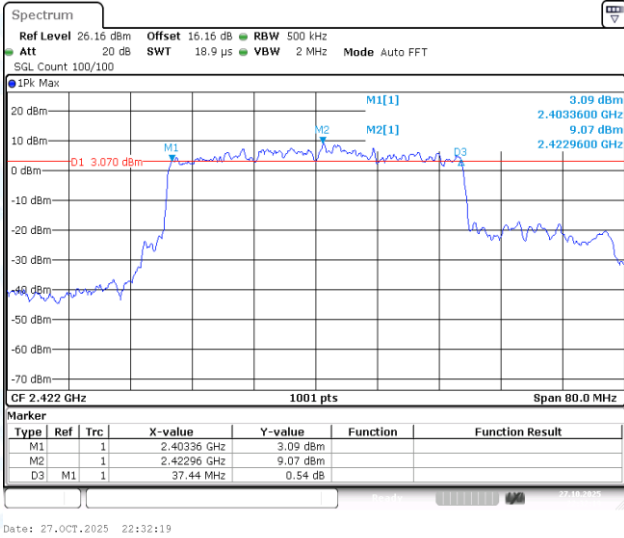
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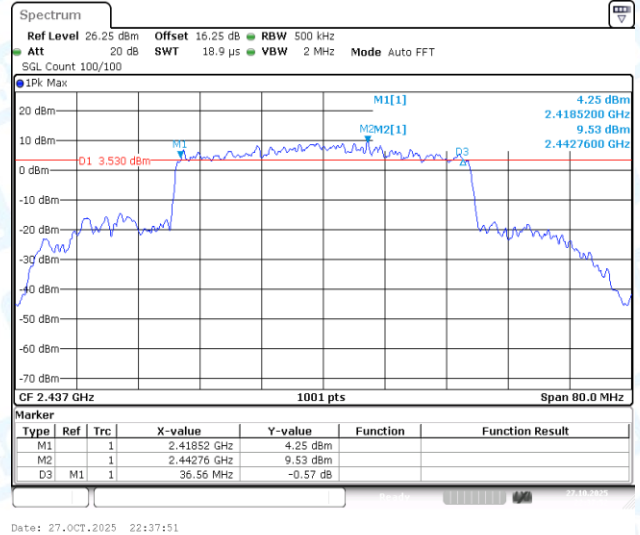
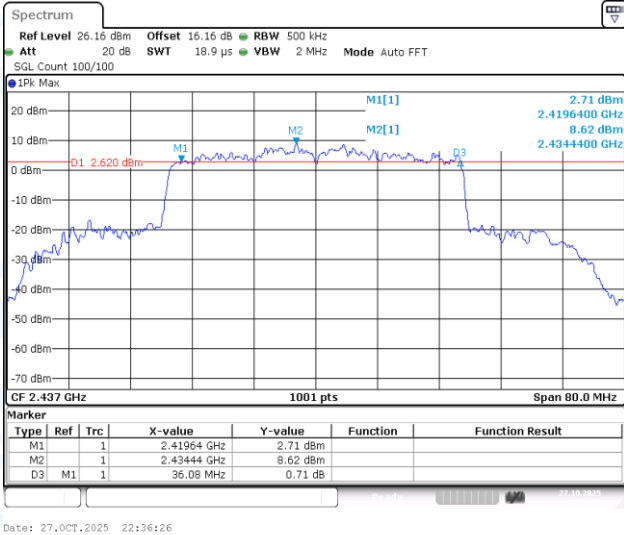


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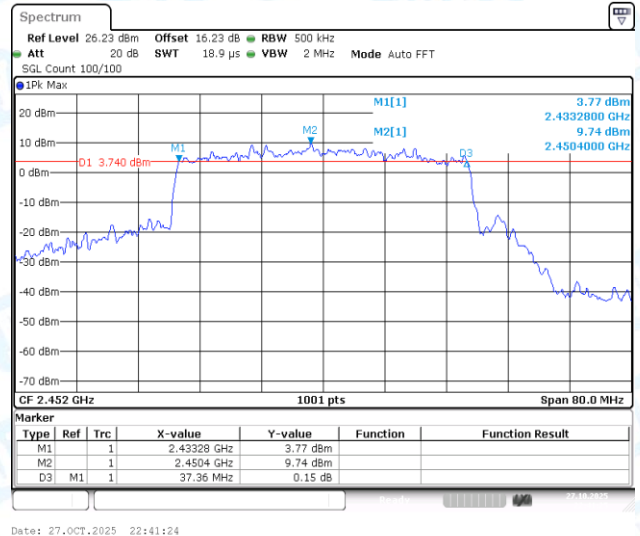
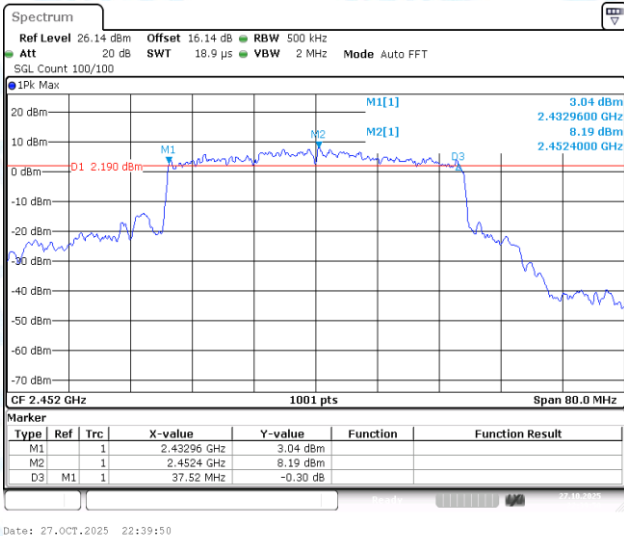
11AX20-CDD-Ant2-2462-PASS



11AX40-CDD-Ant1-2422-PASS



11AX40-CDD-Ant1-2437-PASS



11AX40-CDD-Ant1-2452-PASS

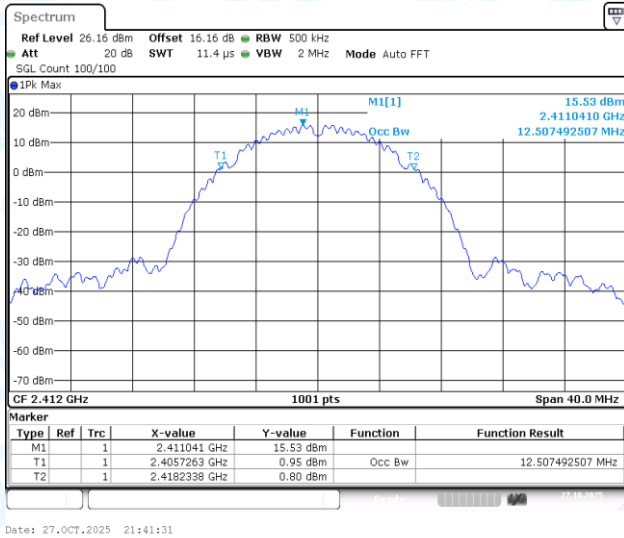
11AX40-CDD-Ant2-2452-PASS

2: Occupied Channel Bandwidth

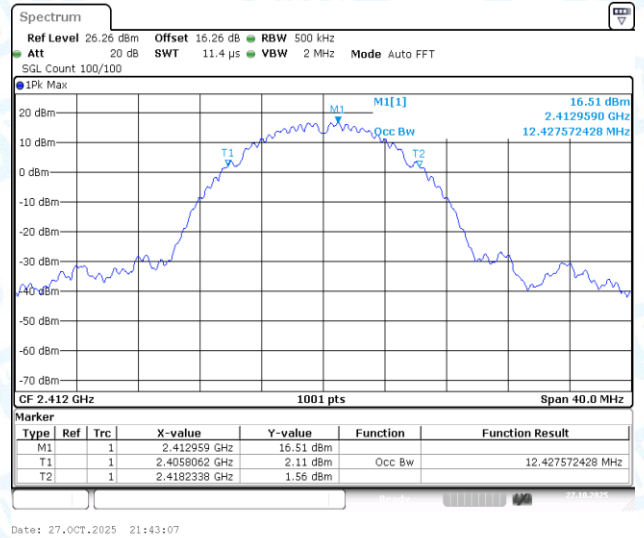
2.1 Test Result

Test Mode	Ant.	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	12.507	2405.7263	2418.2338	---	---
11B-CDD	Ant2	2412	12.428	2405.8062	2418.2338	---	---
11B-CDD	Ant1	2437	12.587	2430.6863	2443.2737	---	---
11B-CDD	Ant2	2437	12.428	2430.7662	2443.1938	---	---
11B-CDD	Ant1	2462	12.587	2455.6863	2468.2737	---	---
11B-CDD	Ant2	2462	12.388	2455.8062	2468.1938	---	---
11G-CDD	Ant1	2412	16.743	2403.6484	2420.3916	---	---
11G-CDD	Ant2	2412	16.903	2403.6084	2420.5115	---	---
11G-CDD	Ant1	2437	17.303	2428.3686	2445.6713	---	---
11G-CDD	Ant2	2437	17.143	2428.5285	2445.6713	---	---
11G-CDD	Ant1	2462	16.943	2453.5285	2470.4715	---	---
11G-CDD	Ant2	2462	16.983	2453.5684	2470.5514	---	---
11N20-CDD	Ant1	2412	18.062	2403.0490	2421.1109	---	---
11N20-CDD	Ant2	2412	17.942	2403.0490	2420.9910	---	---
11N20-CDD	Ant1	2437	18.302	2427.8891	2446.1908	---	---
11N20-CDD	Ant2	2437	18.142	2427.9690	2446.1109	---	---
11N20-CDD	Ant1	2462	18.302	2452.8492	2471.1508	---	---
11N20-CDD	Ant2	2462	17.862	2453.0889	2470.9510	---	---
11N40-CDD	Ant1	2422	36.683	2403.6983	2440.3816	---	---
11N40-CDD	Ant2	2422	36.523	2403.7782	2440.3017	---	---
11N40-CDD	Ant1	2437	36.364	2418.7782	2455.1419	---	---
11N40-CDD	Ant2	2437	36.364	2418.7782	2455.1419	---	---
11N40-CDD	Ant1	2452	36.603	2433.5385	2470.1419	---	---
11N40-CDD	Ant2	2452	36.843	2433.6184	2470.4615	---	---
11AX20-CDD	Ant1	2412	18.981	2402.4895	2421.4705	---	---
11AX20-CDD	Ant2	2412	19.101	2402.4496	2421.5504	---	---
11AX20-CDD	Ant1	2437	19.221	2427.3696	2446.5904	---	---
11AX20-CDD	Ant2	2437	19.061	2427.4895	2446.5504	---	---
11AX20-CDD	Ant1	2462	19.141	2452.4496	2471.5904	---	---
11AX20-CDD	Ant2	2462	19.101	2452.4496	2471.5504	---	---
11AX40-CDD	Ant1	2422	37.802	2403.2188	2441.0210	---	---
11AX40-CDD	Ant2	2422	37.722	2403.1389	2440.8611	---	---
11AX40-CDD	Ant1	2437	37.962	2417.9790	2455.9411	---	---
11AX40-CDD	Ant2	2437	37.802	2418.0589	2455.8611	---	---
11AX40-CDD	Ant1	2452	37.642	2433.1389	2470.7812	---	---
11AX40-CDD	Ant2	2452	37.882	2433.1389	2471.0210	---	---

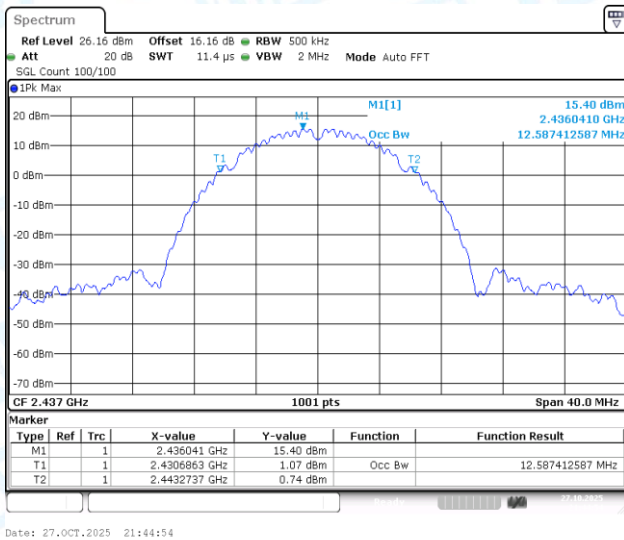
2.2 Test Graphs



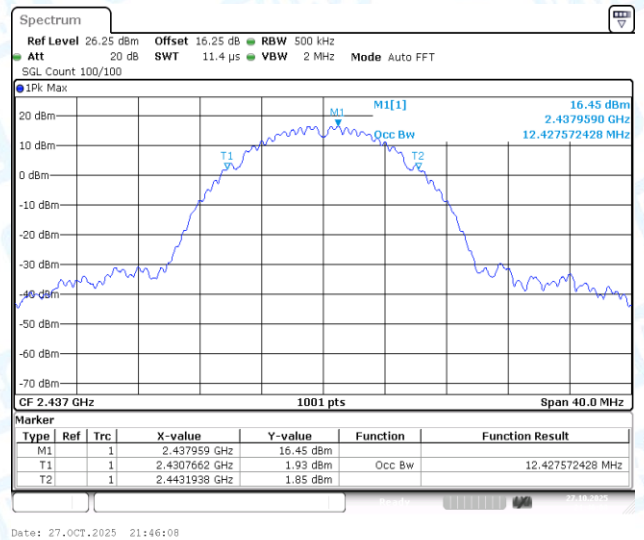
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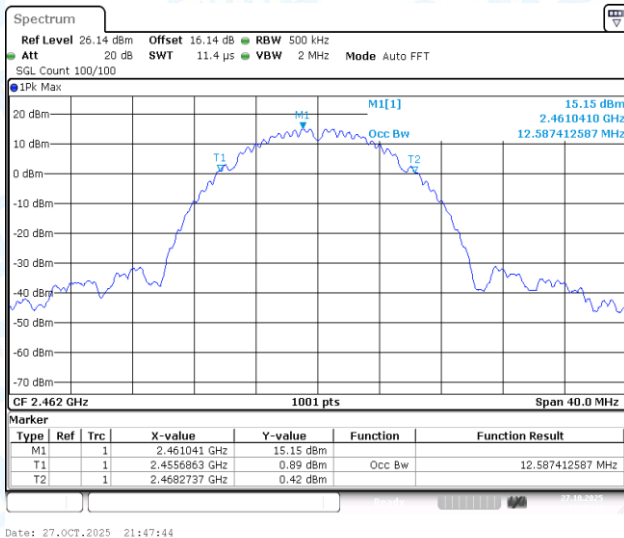
11B-CDD-Ant2-2412



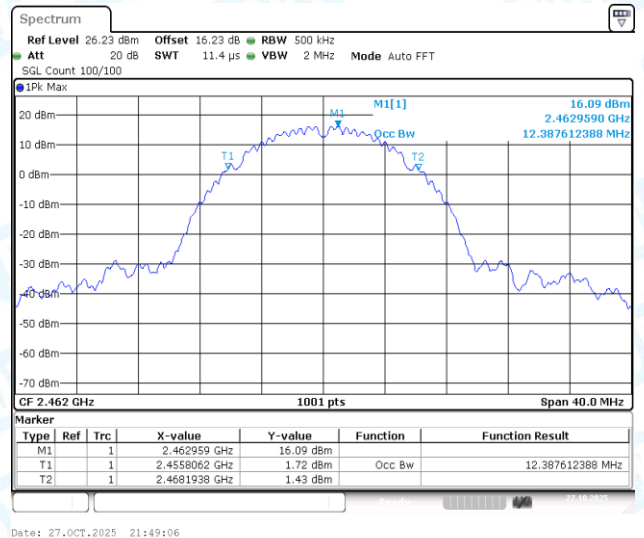
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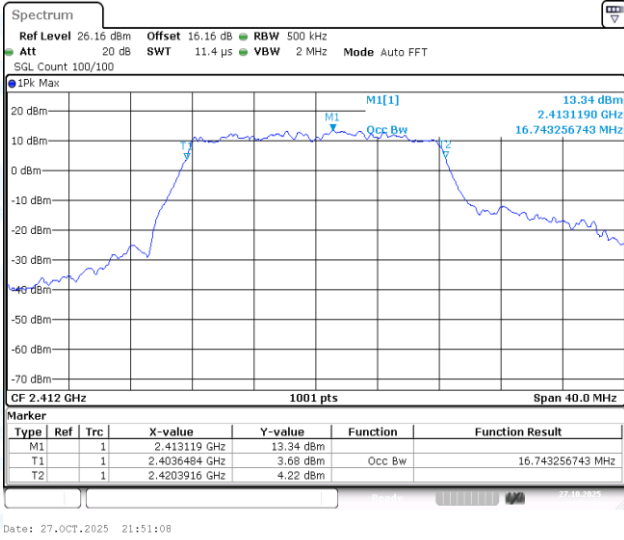
11B-CDD-Ant2-2437



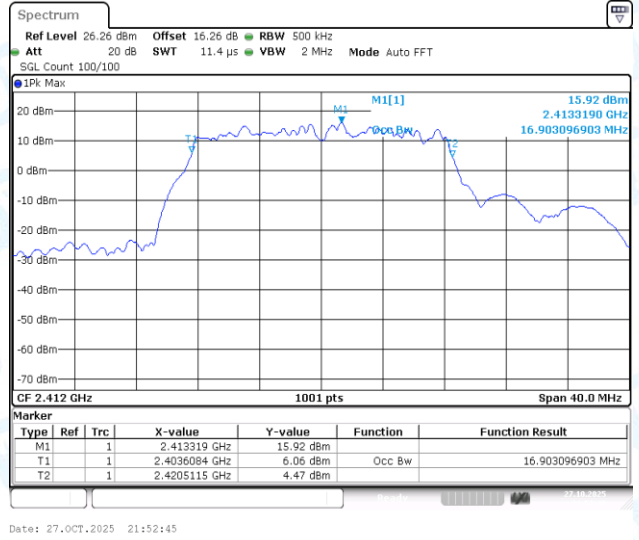
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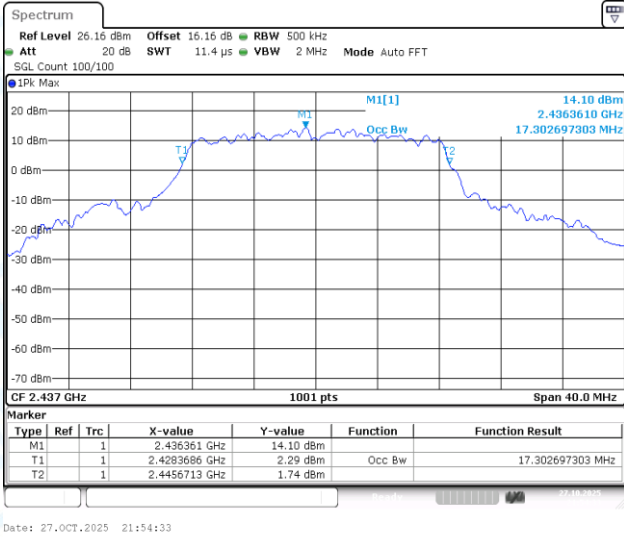
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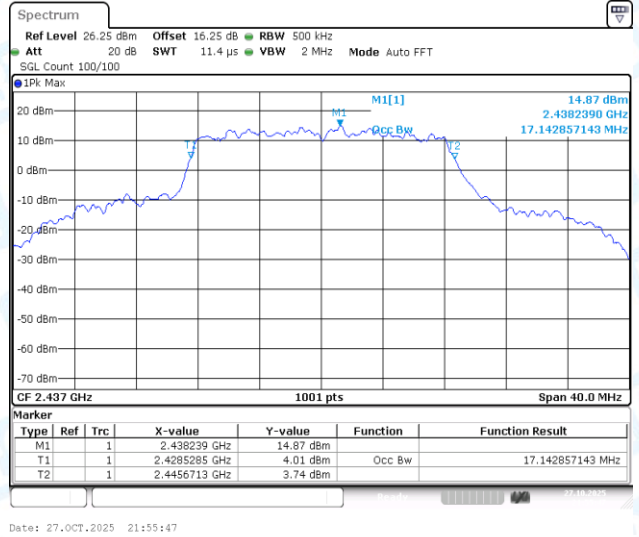
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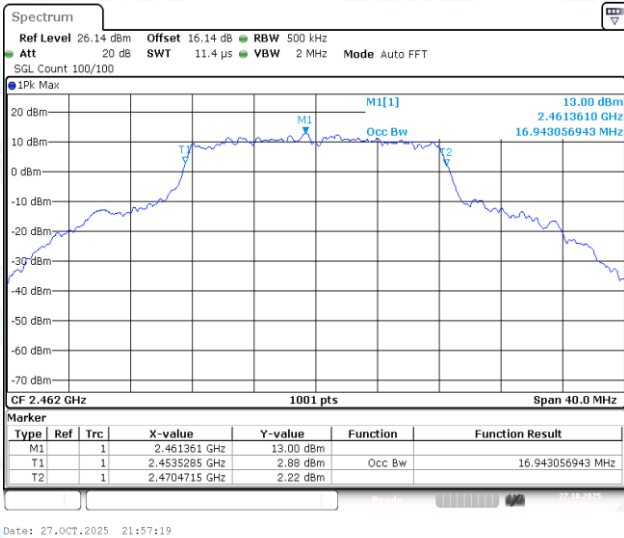
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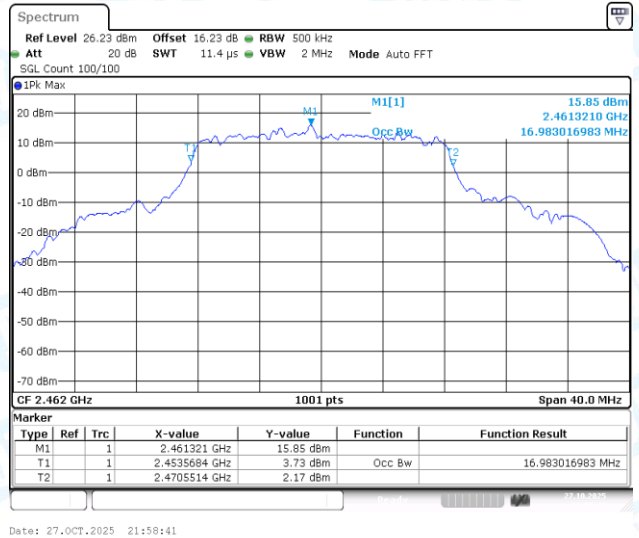
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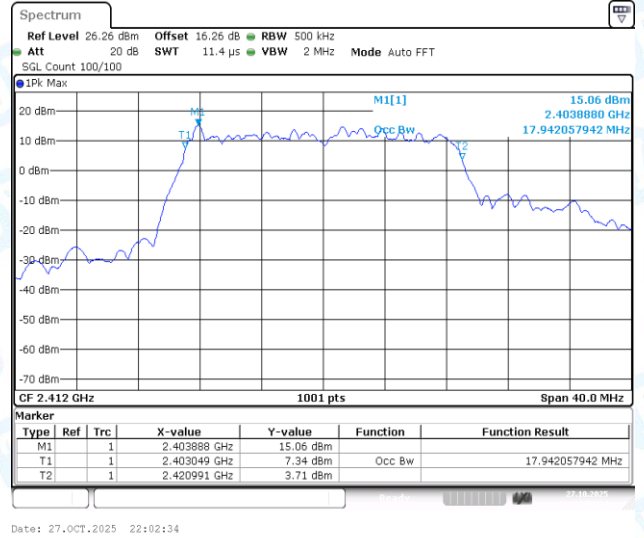
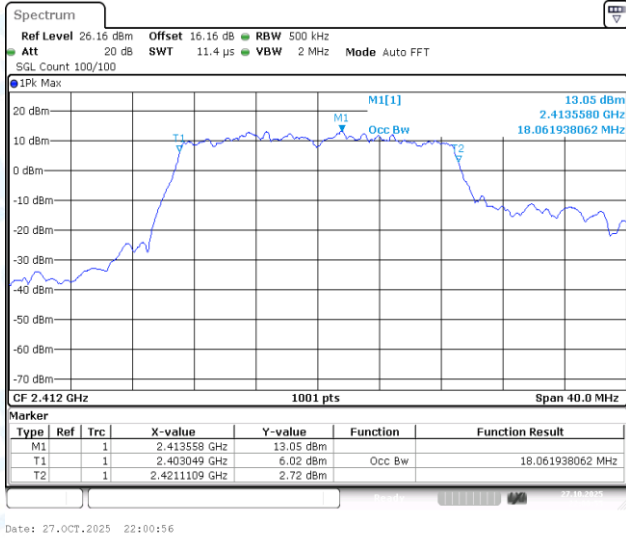
11G-CDD-Ant2-2437



11G-CDD-Ant1-2462

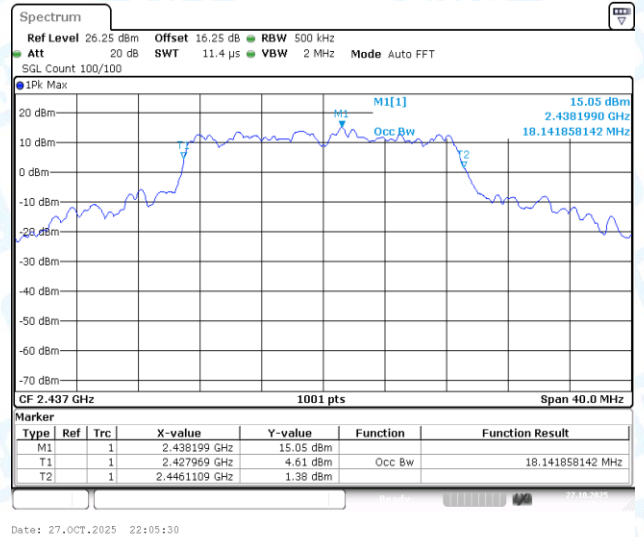
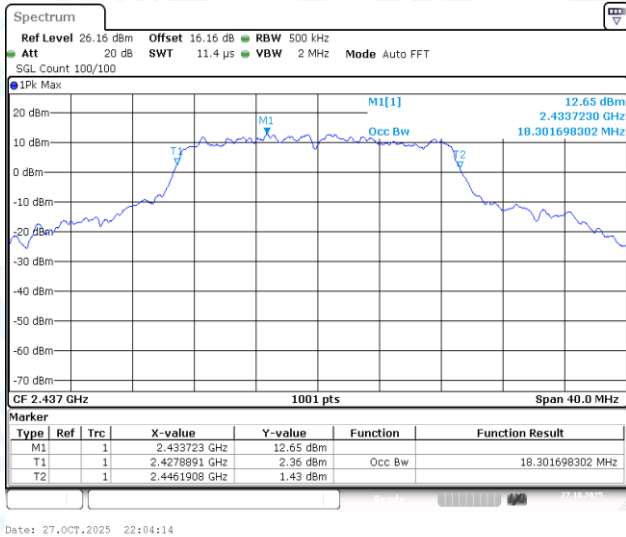


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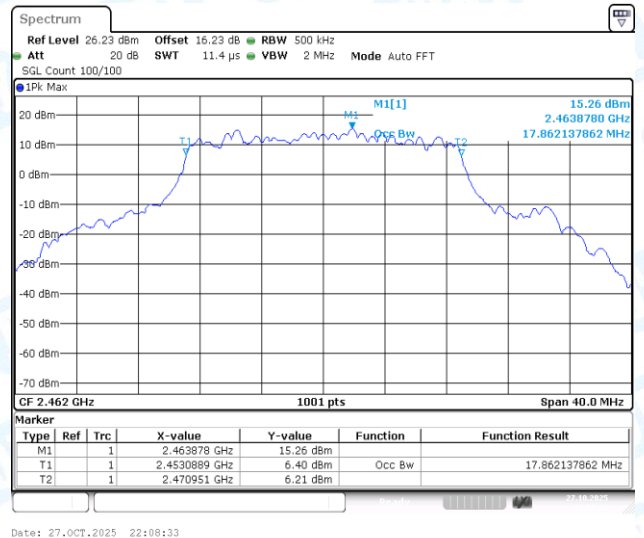
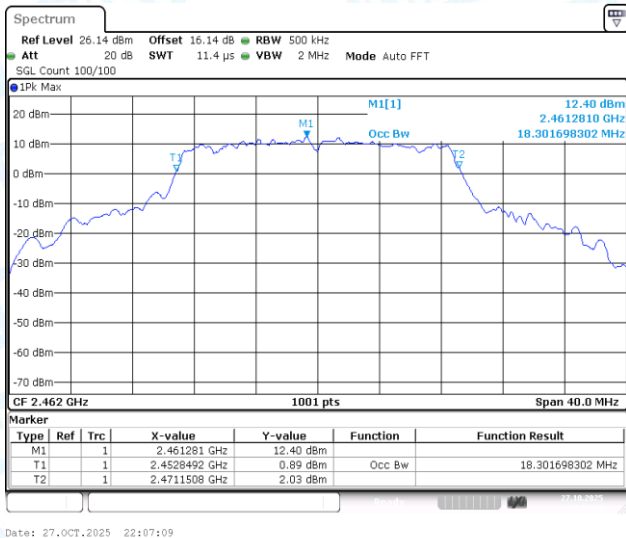
11N20-CDD-Ant1-2412

11N20-CDD-Ant2-2412



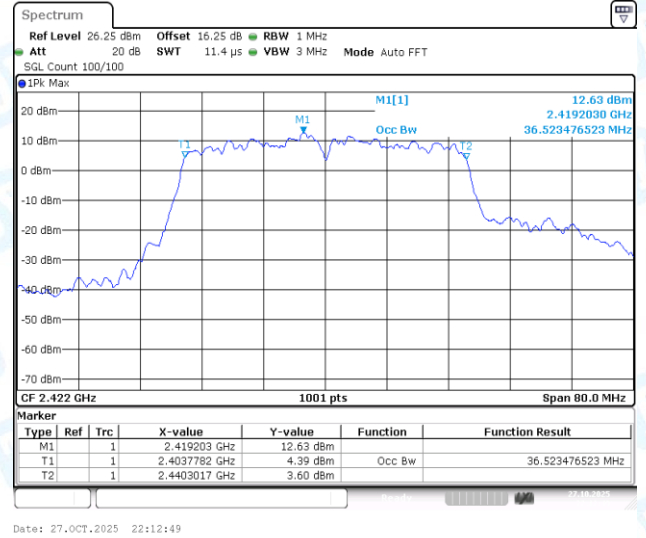
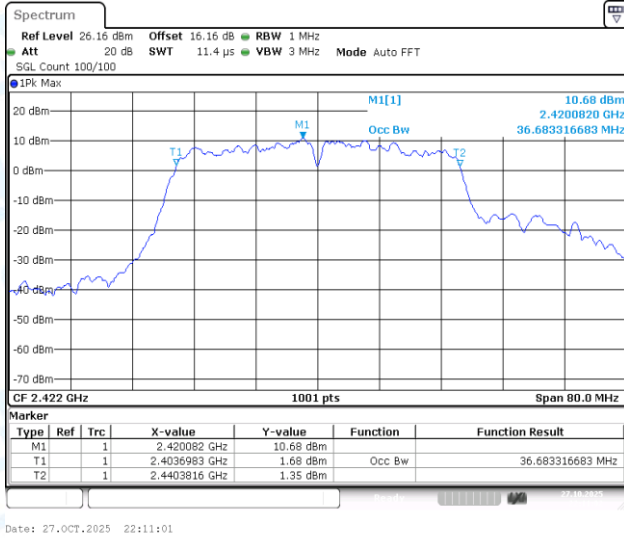
11N20-CDD-Ant1-2437

11N20-CDD-Ant2-2437



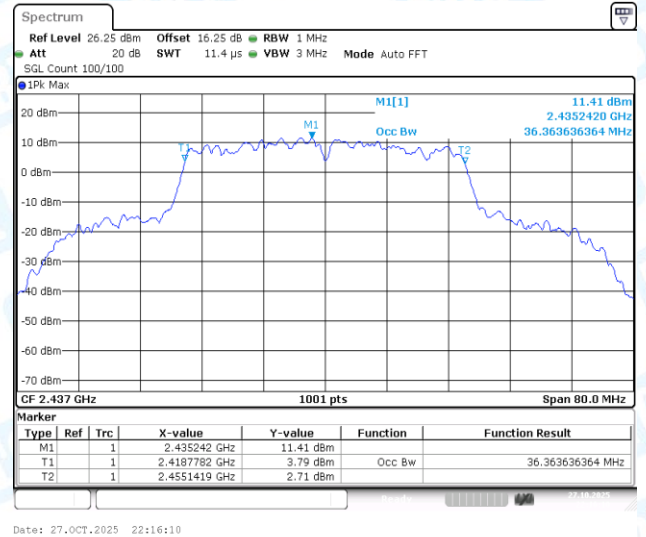
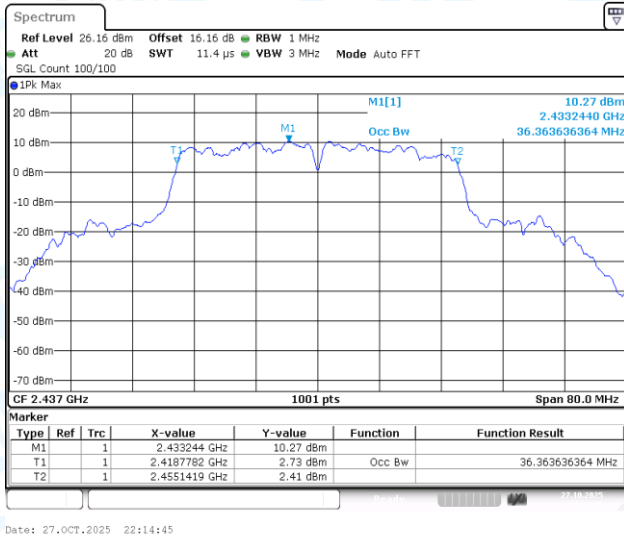
11N20-CDD-Ant1-2462

11N20-CDD-Ant2-2462



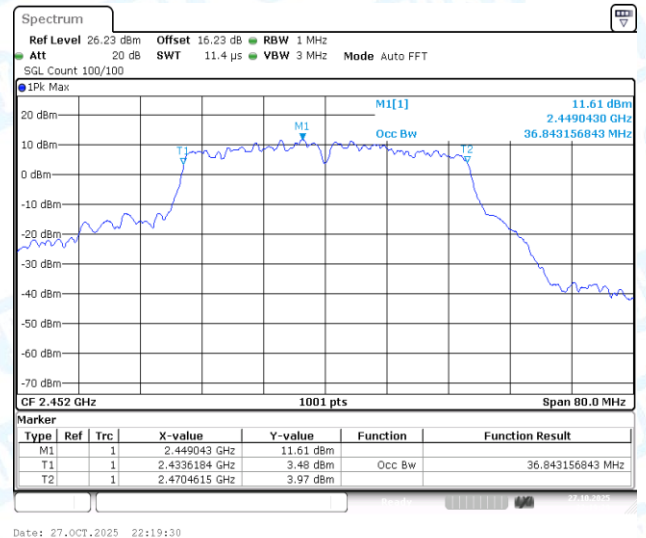
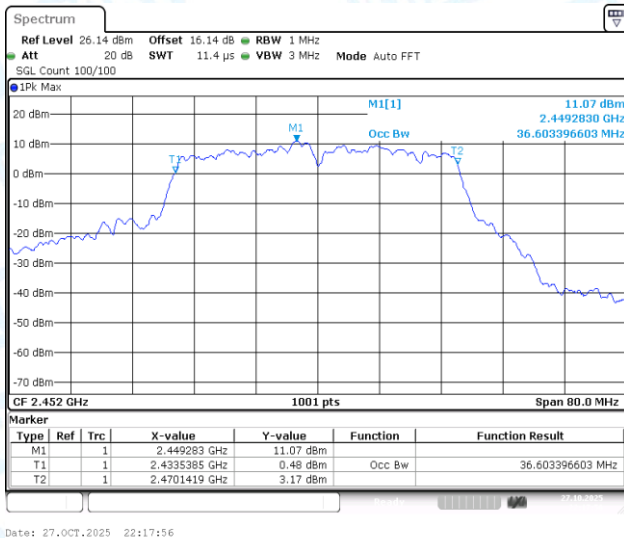
11N40-CDD-Ant1-2422

11N40-CDD-Ant2-2422



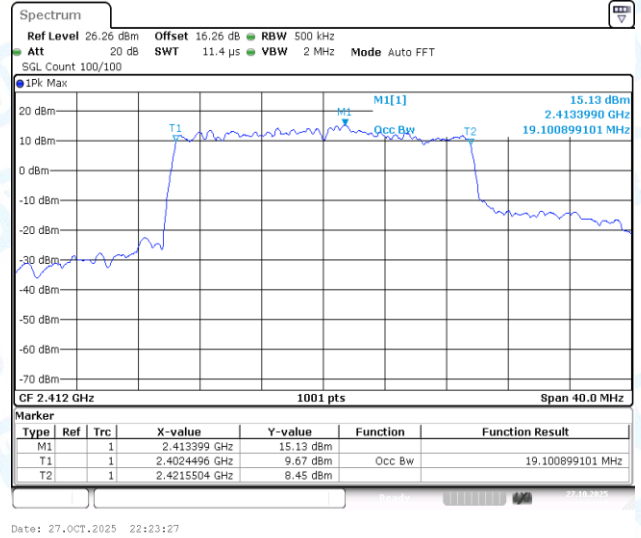
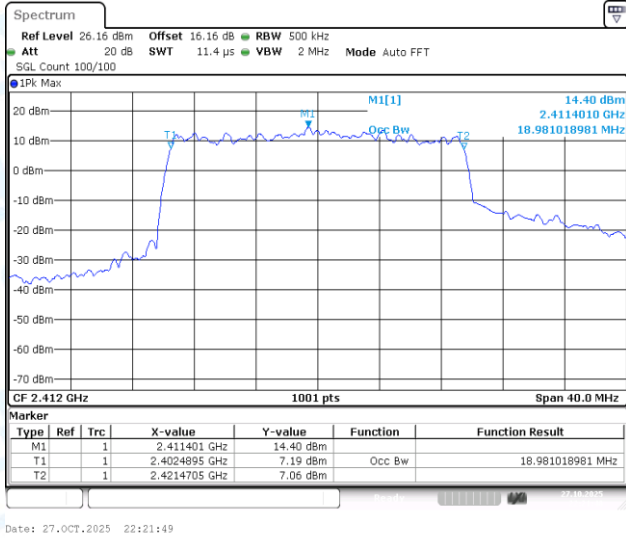
11N40-CDD-Ant1-2437

11N40-CDD-Ant2-2437



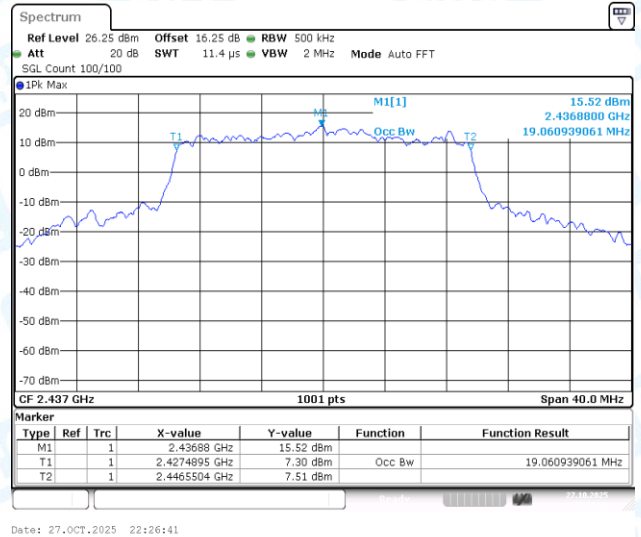
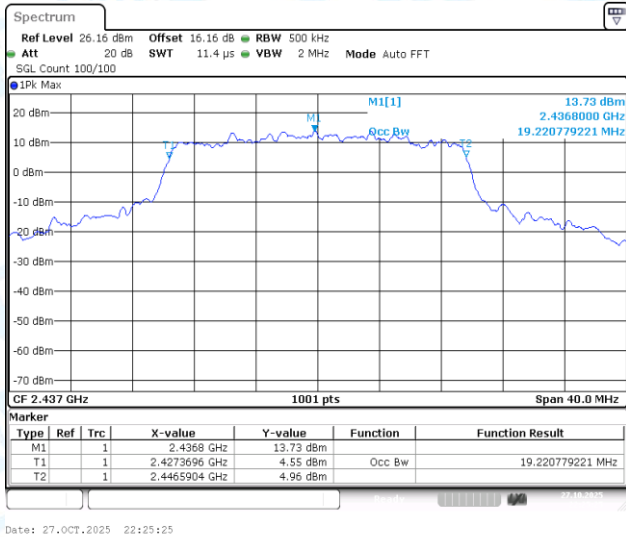
11N40-CDD-Ant1-2452

11N40-CDD-Ant2-2452



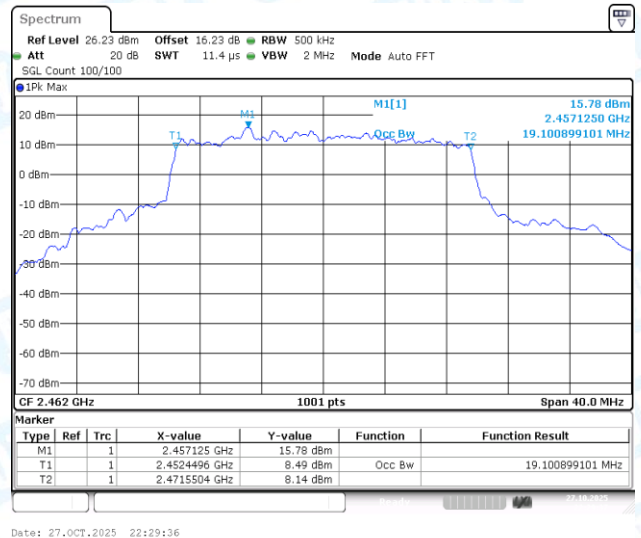
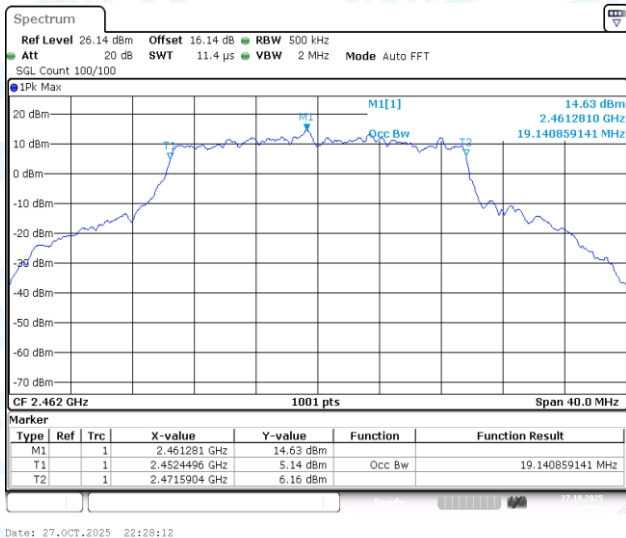
11AX20-CDD-Ant1-2412

11AX20-CDD-Ant2-2412



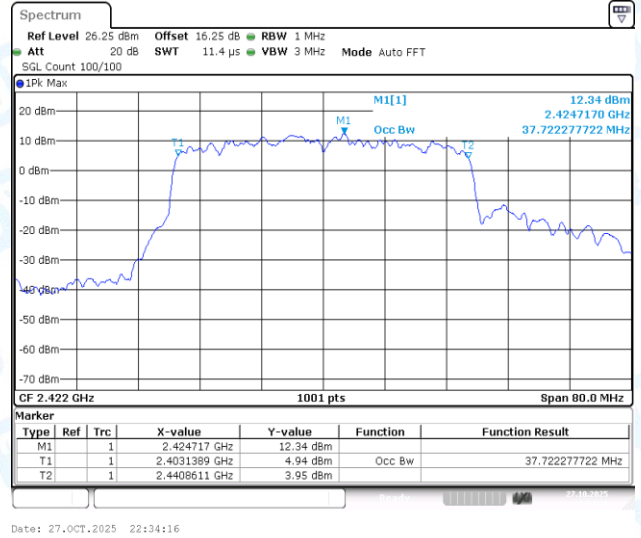
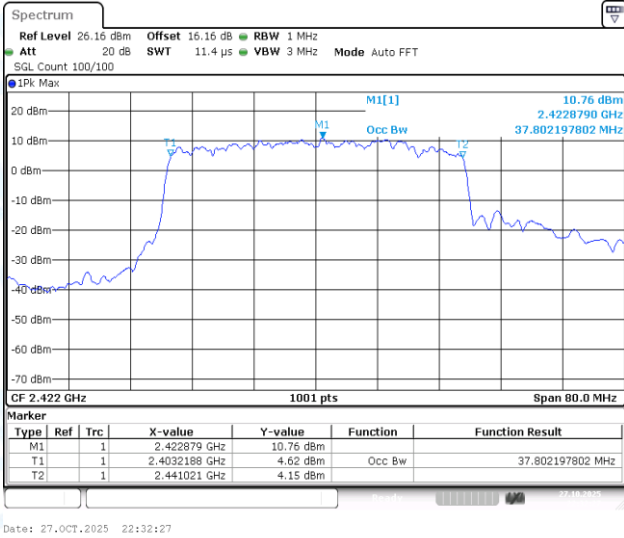
11AX20-CDD-Ant1-2437

11AX20-CDD-Ant2-2437



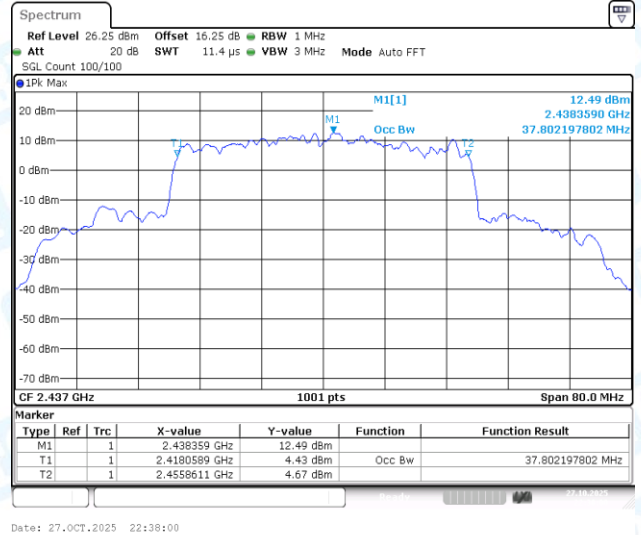
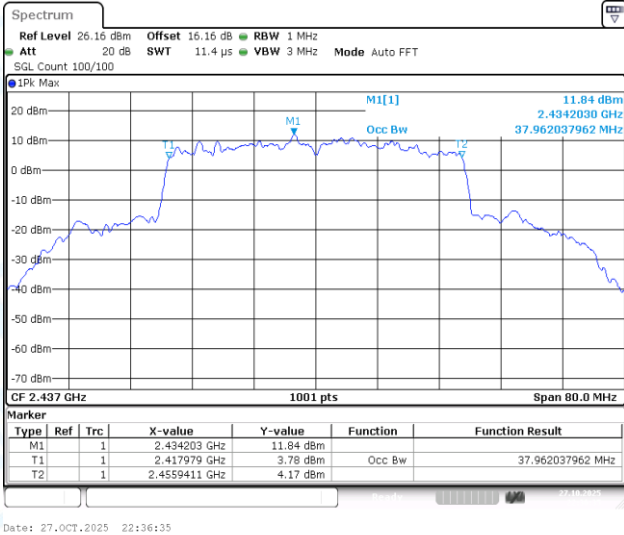
11AX20-CDD-Ant1-2462

11AX20-CDD-Ant2-2462



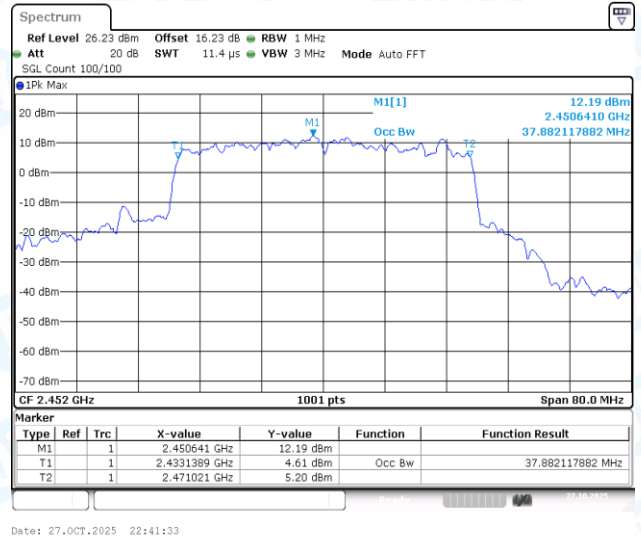
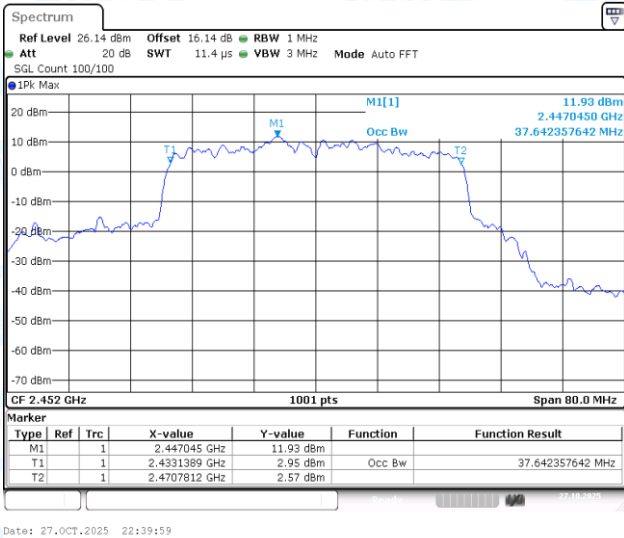
11AX40-CDD-Ant1-2422

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]	Raw Power [dBm]	DC Factor	Result [dBm]	Limit [dBm]	Verdict
11B-CDD	Ant1	2412	22.84	0.02	22.86	≤30.00	PASS
11B-CDD	Ant2	2412	23.66	0.03	23.69	≤30.00	PASS
11B-CDD	total	2412	---	---	26.31	≤30.00	PASS
11B-CDD	Ant1	2437	21.74	0.02	21.76	≤30.00	PASS
11B-CDD	Ant2	2437	23.76	0.03	23.79	≤30.00	PASS
11B-CDD	total	2437	---	---	25.90	≤30.00	PASS
11B-CDD	Ant1	2462	21.66	0.02	21.68	≤30.00	PASS
11B-CDD	Ant2	2462	23.55	0.03	23.58	≤30.00	PASS
11B-CDD	total	2462	---	---	25.74	≤30.00	PASS
11G-CDD	Ant1	2412	20.84	0.18	21.02	≤30.00	PASS
11G-CDD	Ant2	2412	20.03	0.18	20.21	≤30.00	PASS
11G-CDD	total	2412	---	---	23.64	≤30.00	PASS
11G-CDD	Ant1	2437	20.60	0.18	20.78	≤30.00	PASS
11G-CDD	Ant2	2437	21.69	0.18	21.87	≤30.00	PASS
11G-CDD	total	2437	---	---	24.37	≤30.00	PASS
11G-CDD	Ant1	2462	20.49	0.18	20.67	≤30.00	PASS
11G-CDD	Ant2	2462	21.67	0.18	21.85	≤30.00	PASS
11G-CDD	total	2462	---	---	24.31	≤30.00	PASS
11N20-CDD	Ant1	2412	20.09	0.20	20.29	≤30.00	PASS
11N20-CDD	Ant2	2412	21.26	0.20	21.46	≤30.00	PASS
11N20-CDD	total	2412	---	---	23.92	≤30.00	PASS
11N20-CDD	Ant1	2437	20.18	0.20	20.38	≤30.00	PASS
11N20-CDD	Ant2	2437	21.15	0.20	21.35	≤30.00	PASS
11N20-CDD	total	2437	---	---	23.90	≤30.00	PASS
11N20-CDD	Ant1	2462	19.93	0.20	20.13	≤30.00	PASS
11N20-CDD	Ant2	2462	21.32	0.20	21.52	≤30.00	PASS
11N20-CDD	total	2462	---	---	23.89	≤30.00	PASS
11N40-CDD	Ant1	2422	16.86	0.39	17.25	≤30.00	PASS
11N40-CDD	Ant2	2422	17.67	0.39	18.06	≤30.00	PASS
11N40-CDD	total	2422	---	---	20.68	≤30.00	PASS
11N40-CDD	Ant1	2437	16.83	0.39	17.22	≤30.00	PASS
11N40-CDD	Ant2	2437	17.69	0.39	18.08	≤30.00	PASS
11N40-CDD	total	2437	---	---	20.68	≤30.00	PASS
11N40-CDD	Ant1	2452	16.78	0.39	17.17	≤30.00	PASS
11N40-CDD	Ant2	2452	17.65	0.39	18.04	≤30.00	PASS
11N40-CDD	total	2452	---	---	20.64	≤30.00	PASS
11AX20-CDD	Ant1	2412	20.41	0.25	20.66	≤30.00	PASS
11AX20-CDD	Ant2	2412	21.18	0.25	21.43	≤30.00	PASS
11AX20-CDD	total	2412	---	---	24.07	≤30.00	PASS
11AX20-CDD	Ant1	2437	20.29	0.25	20.54	≤30.00	PASS
11AX20-CDD	Ant2	2437	21.16	0.25	21.41	≤30.00	PASS
11AX20-CDD	total	2437	---	---	24.01	≤30.00	PASS
11AX20-CDD	Ant1	2462	20.12	0.25	20.37	≤30.00	PASS
11AX20-CDD	Ant2	2462	21.24	0.25	21.49	≤30.00	PASS
11AX20-CDD	total	2462	---	---	23.98	≤30.00	PASS
11AX40-CDD	Ant1	2422	17.04	0.46	17.50	≤30.00	PASS
11AX40-CDD	Ant2	2422	17.85	0.46	18.31	≤30.00	PASS
11AX40-CDD	total	2422	---	---	20.93	≤30.00	PASS
11AX40-CDD	Ant1	2437	17.03	0.46	17.49	≤30.00	PASS
11AX40-CDD	Ant2	2437	17.88	0.46	18.34	≤30.00	PASS
11AX40-CDD	total	2437	---	---	20.95	≤30.00	PASS
11AX40-CDD	Ant1	2452	17.04	0.46	17.50	≤30.00	PASS
11AX40-CDD	Ant2	2452	17.91	0.46	18.37	≤30.00	PASS
11AX40-CDD	total	2452	---	---	20.97	≤30.00	PASS

Note: For CDD Mode, Directional gain = $G_{ANT} + \text{Array Gain}$, Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;
 $G_{ANT1}=3.9\text{dBi}$; $G_{ANT2}=4.4\text{dBi}$; **CDD Mode** use max. antenna Gain, So the Directional gain < 6dBi, So the $P_{limit}=30\text{dBm}$.
 The Duty Cycle Factor is compensated in the data.

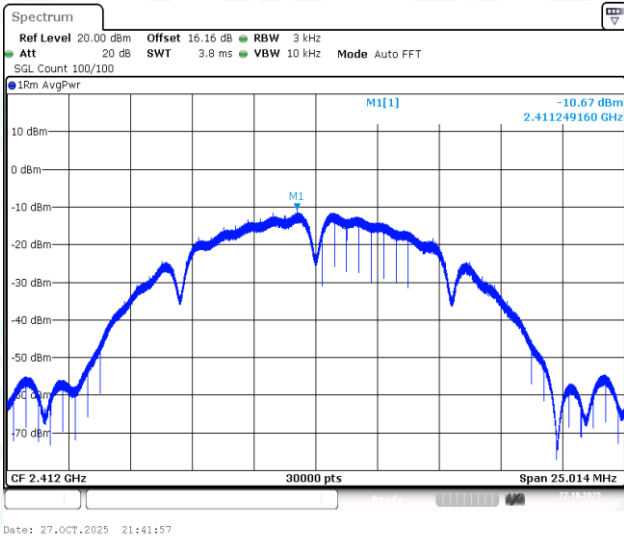
4: Maximum power spectral density

4.1 Test Result

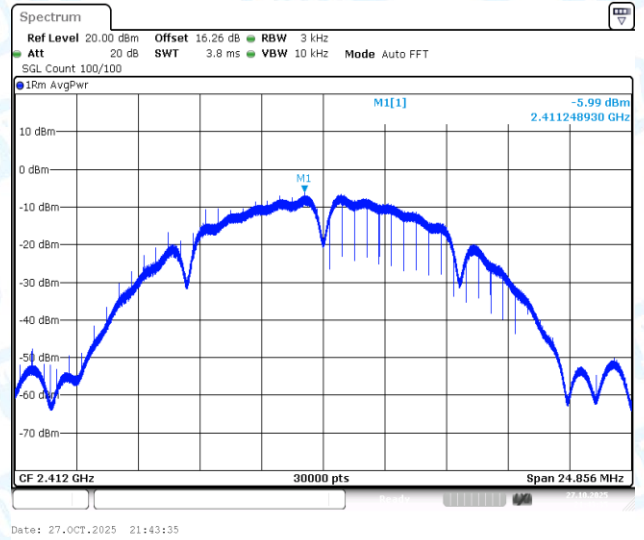
Test Mode	Ant.	Frequency[MHz]	RawData [dBm/3kHz]	DC Factor	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B-CDD	Ant1	2412	-10.67	0.02	-10.65	≤8.00	PASS
11B-CDD	Ant2	2412	-5.99	0.03	-5.96	≤8.00	PASS
11B-CDD	total	2412	---	---	-4.69	≤6.84	PASS
11B-CDD	Ant1	2437	-10.9	0.02	-10.88	≤8.00	PASS
11B-CDD	Ant2	2437	-5.93	0.03	-5.90	≤8.00	PASS
11B-CDD	total	2437	---	---	-4.70	≤6.84	PASS
11B-CDD	Ant1	2462	-7.59	0.02	-7.57	≤8.00	PASS
11B-CDD	Ant2	2462	-3.52	0.03	-3.49	≤8.00	PASS
11B-CDD	total	2462	---	---	-2.06	≤6.84	PASS
11G-CDD	Ant1	2412	-10.85	0.18	-10.67	≤8.00	PASS
11G-CDD	Ant2	2412	-10.34	0.18	-10.16	≤8.00	PASS
11G-CDD	total	2412	---	---	-7.40	≤6.84	PASS
11G-CDD	Ant1	2437	-11.04	0.18	-10.86	≤8.00	PASS
11G-CDD	Ant2	2437	-10.27	0.18	-10.09	≤8.00	PASS
11G-CDD	total	2437	---	---	-7.45	≤6.84	PASS
11G-CDD	Ant1	2462	-11.58	0.18	-11.40	≤8.00	PASS
11G-CDD	Ant2	2462	-10.06	0.18	-9.88	≤8.00	PASS
11G-CDD	total	2462	---	---	-7.56	≤6.84	PASS
11N20-CDD	Ant1	2412	-12.5	0.20	-12.30	≤8.00	PASS
11N20-CDD	Ant2	2412	-12.01	0.20	-11.81	≤8.00	PASS
11N20-CDD	total	2412	---	---	-9.04	≤6.84	PASS
11N20-CDD	Ant1	2437	-12.67	0.20	-12.47	≤8.00	PASS
11N20-CDD	Ant2	2437	-11.04	0.20	-10.84	≤8.00	PASS
11N20-CDD	total	2437	---	---	-8.57	≤6.84	PASS
11N20-CDD	Ant1	2462	-12.84	0.20	-12.64	≤8.00	PASS
11N20-CDD	Ant2	2462	-11.51	0.20	-11.31	≤8.00	PASS
11N20-CDD	total	2462	---	---	-8.91	≤6.84	PASS
11N40-CDD	Ant1	2422	-18.22	0.39	-17.83	≤8.00	PASS
11N40-CDD	Ant2	2422	-17.41	0.39	-17.02	≤8.00	PASS
11N40-CDD	total	2422	---	---	-14.40	≤6.84	PASS
11N40-CDD	Ant1	2437	-18.09	0.39	-17.70	≤8.00	PASS
11N40-CDD	Ant2	2437	-17.29	0.39	-16.90	≤8.00	PASS
11N40-CDD	total	2437	---	---	-14.27	≤6.84	PASS
11N40-CDD	Ant1	2452	-18.01	0.39	-17.62	≤8.00	PASS
11N40-CDD	Ant2	2452	-16.74	0.39	-16.35	≤8.00	PASS
11N40-CDD	total	2452	---	---	-13.93	≤6.84	PASS
11AX20-CDD	Ant1	2412	-12.17	0.25	-11.92	≤8.00	PASS
11AX20-CDD	Ant2	2412	-12.23	0.25	-11.98	≤8.00	PASS
11AX20-CDD	total	2412	---	---	-8.94	≤6.84	PASS
11AX20-CDD	Ant1	2437	-12.06	0.25	-11.81	≤8.00	PASS
11AX20-CDD	Ant2	2437	-12.57	0.25	-12.32	≤8.00	PASS
11AX20-CDD	total	2437	---	---	-9.05	≤6.84	PASS
11AX20-CDD	Ant1	2462	-13	0.25	-12.75	≤8.00	PASS
11AX20-CDD	Ant2	2462	-11.56	0.25	-11.31	≤8.00	PASS
11AX20-CDD	total	2462	---	---	-8.96	≤6.84	PASS
11AX40-CDD	Ant1	2422	-19.39	0.46	-18.93	≤8.00	PASS
11AX40-CDD	Ant2	2422	-18.14	0.46	-17.68	≤8.00	PASS
11AX40-CDD	total	2422	---	---	-15.25	≤6.84	PASS
11AX40-CDD	Ant1	2437	-18.64	0.46	-18.18	≤8.00	PASS
11AX40-CDD	Ant2	2437	-18.41	0.46	-17.95	≤8.00	PASS
11AX40-CDD	total	2437	---	---	-15.05	≤6.84	PASS
11AX40-CDD	Ant1	2452	-18.8	0.46	-18.34	≤8.00	PASS
11AX40-CDD	Ant2	2452	-18.48	0.46	-18.02	≤8.00	PASS
11AX40-CDD	total	2452	---	---	-15.17	≤6.84	PASS

Note: For CDD Mode, Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 7.16\text{dBi}$; $G_{ANT1} = 3.9\text{dBi}$; $G_{ANT2} = 4.4\text{dBi}$ and the Directional gain $> 6\text{dBi}$, So the $\text{PSD}_{\text{limit}} = \text{PSD}_{\text{limit}} - (7.16 - 6) = 6.84\text{dBm/3kHz}$.

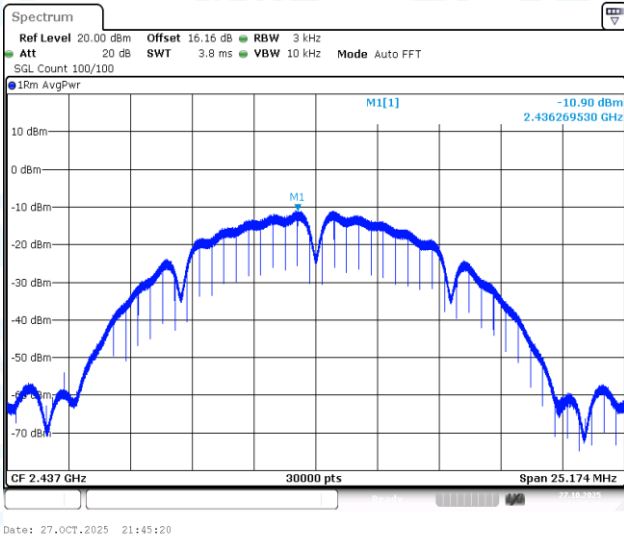
4.2 Test Graphs



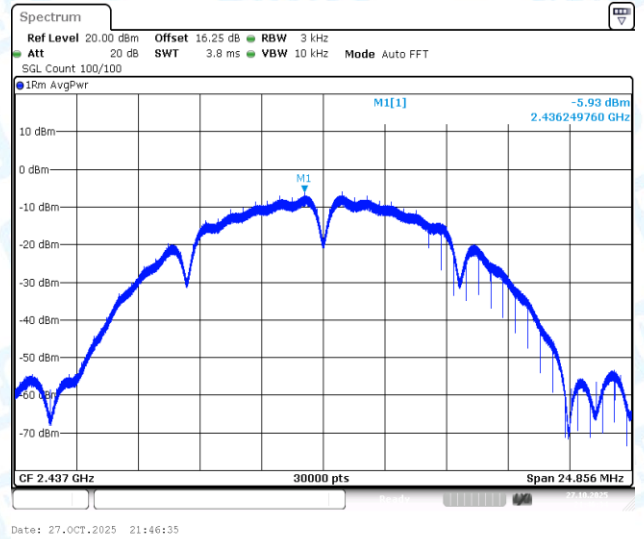
11B-CDD-Ant1-2412-PASS



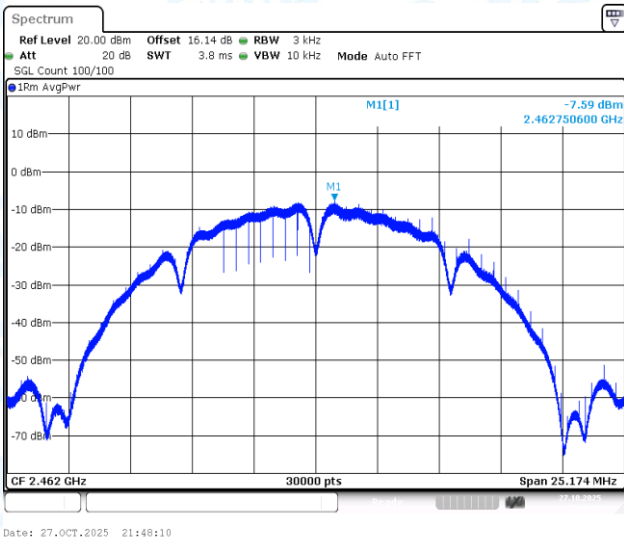
11B-CDD-Ant2-2412-PASS



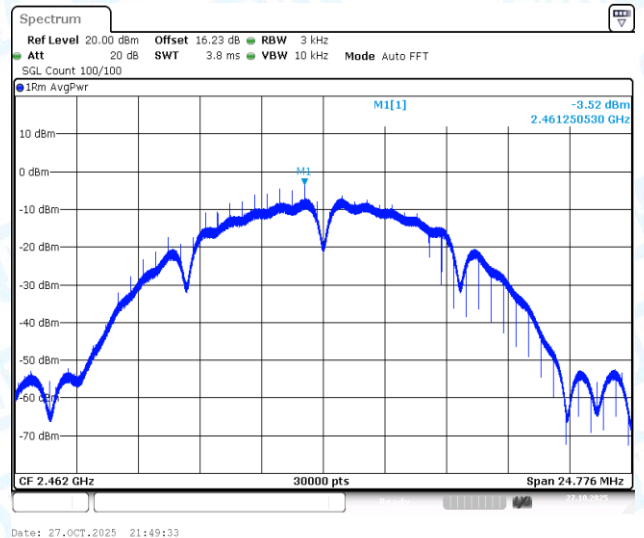
11B-CDD-Ant1-2437-PASS



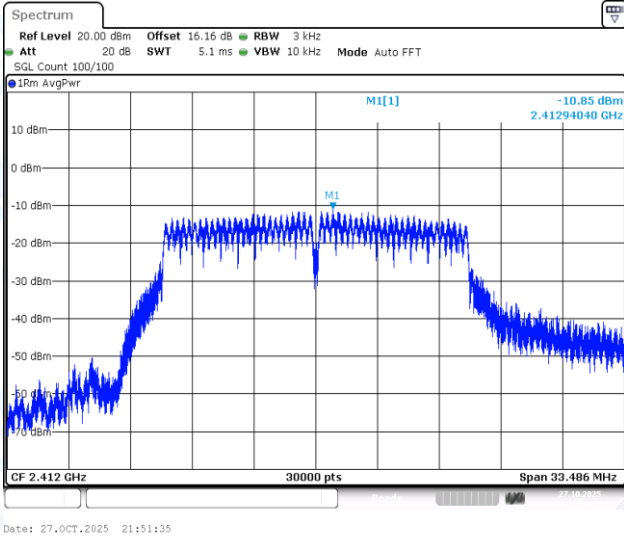
11B-CDD-Ant2-2437-PASS



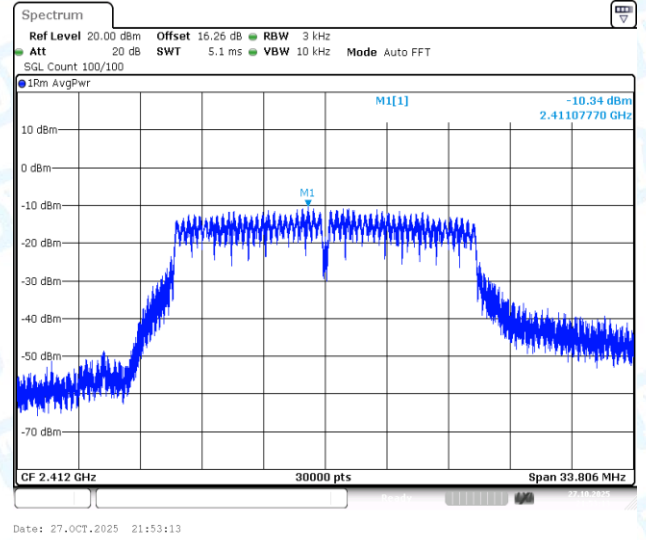
11B-CDD-Ant1-2462-PASS



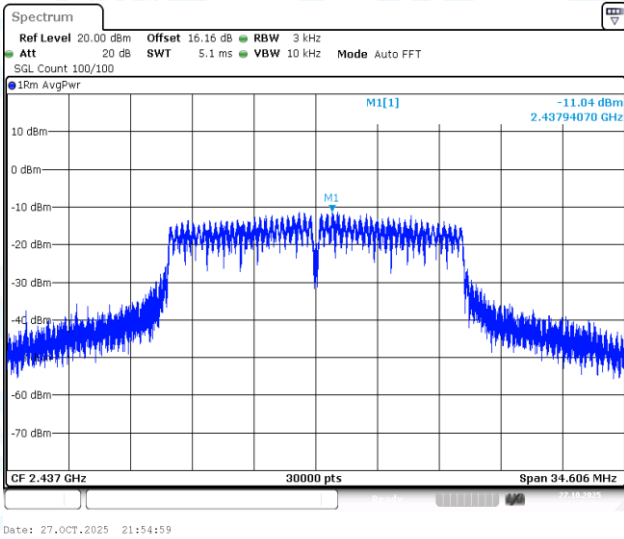
11B-CDD-Ant2-2462-PASS



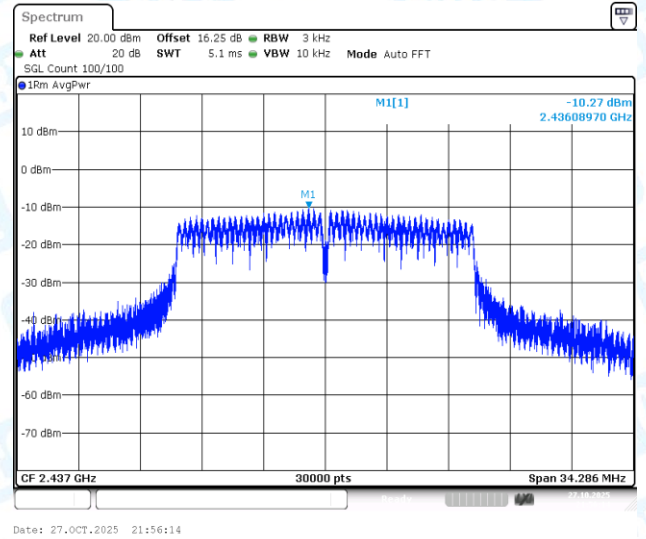
11G-CDD-Ant1-2412-PASS



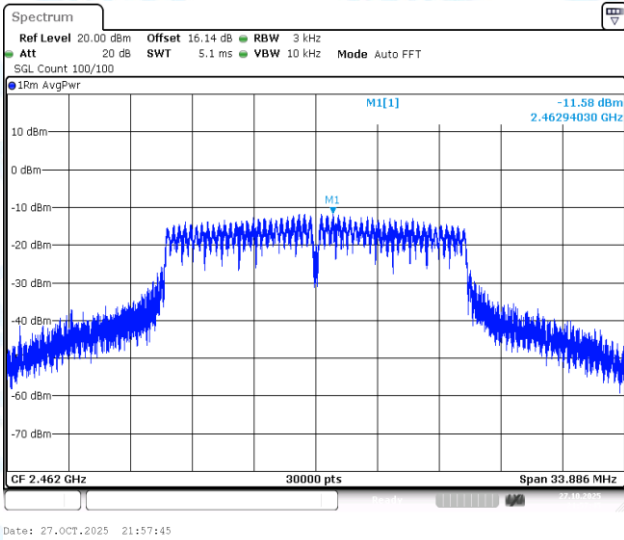
11G-CDD-Ant2-2412-PASS



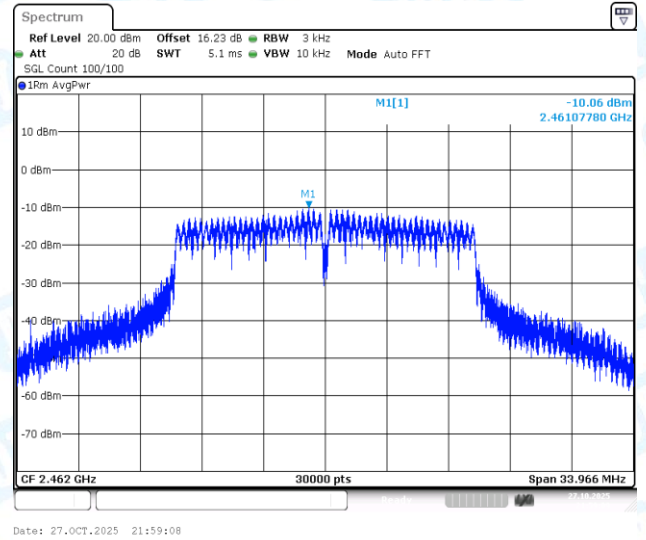
11G-CDD-Ant1-2437-PASS



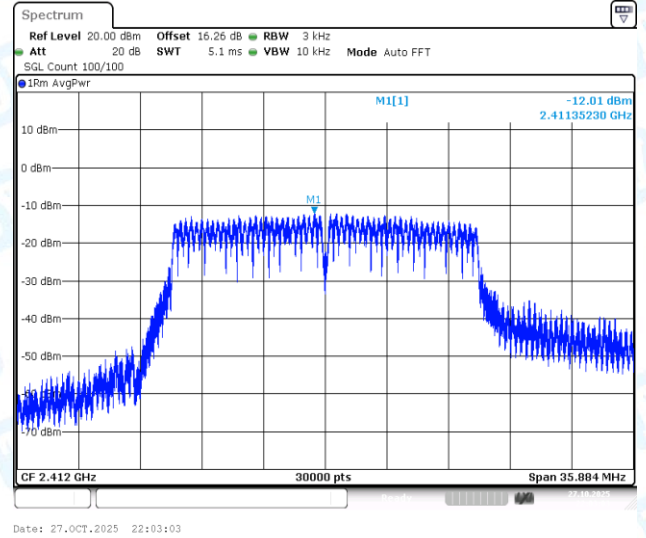
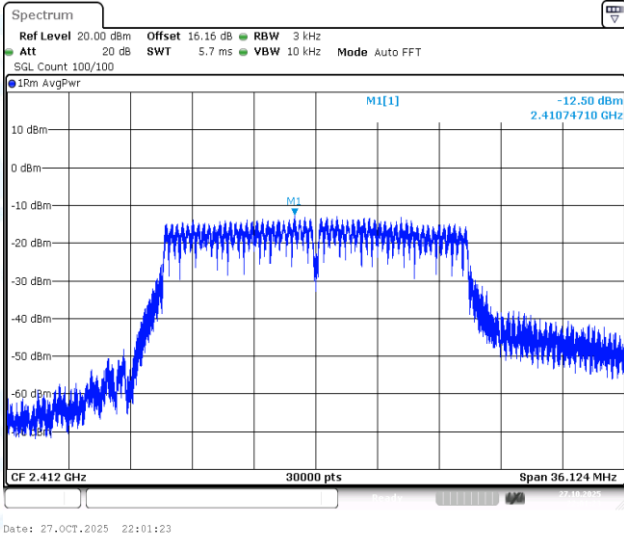
11G-CDD-Ant2-2437-PASS



11G-CDD-Ant1-2462-PASS

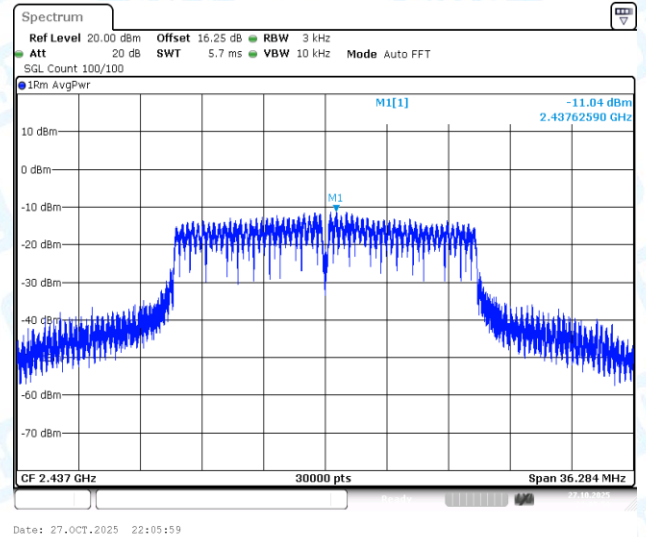
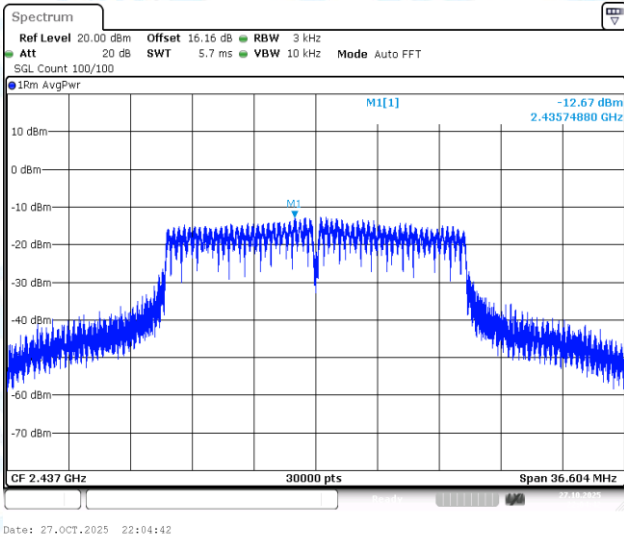


11G-CDD-Ant2-2462-PASS



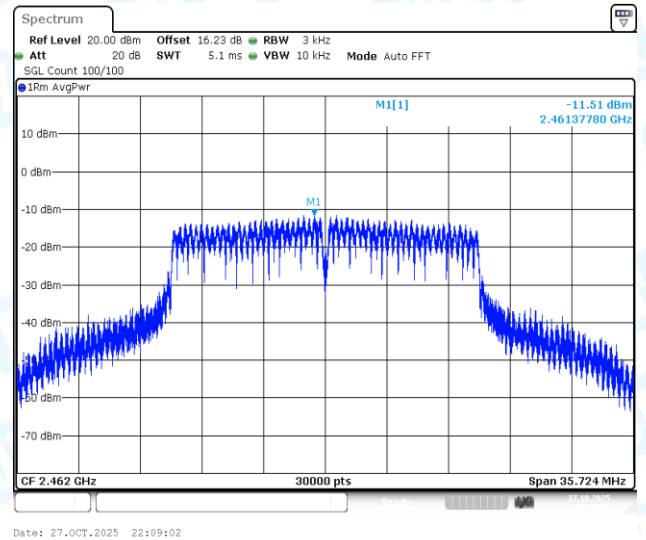
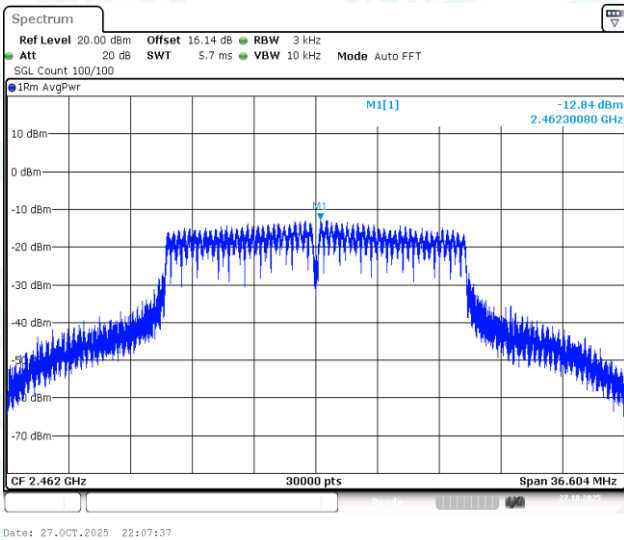
11N20-CDD-Ant1-2412-PASS

11N20-CDD-Ant2-2412-PASS



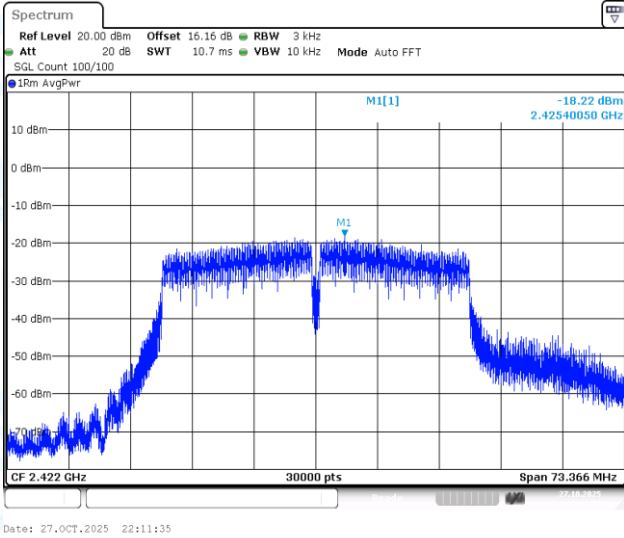
11N20-CDD-Ant1-2437-PASS

11N20-CDD-Ant2-2437-PASS

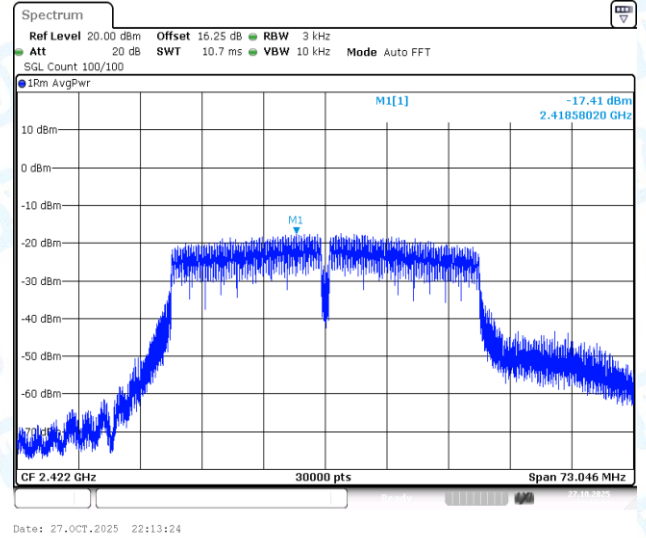


11N20-CDD-Ant1-2462-PASS

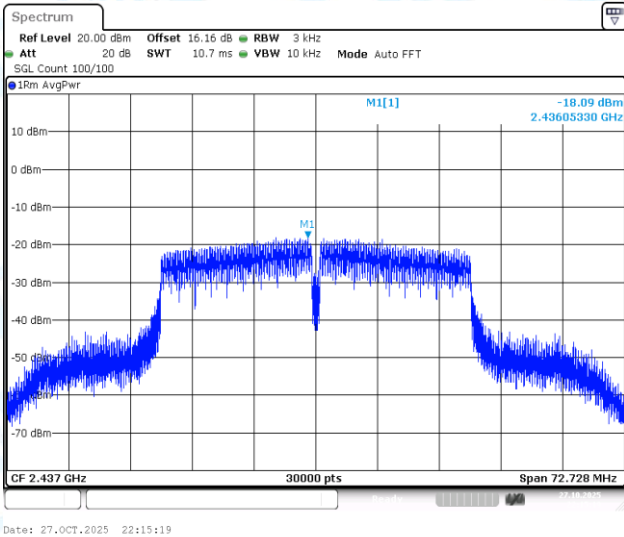
11N20-CDD-Ant2-2462-PASS



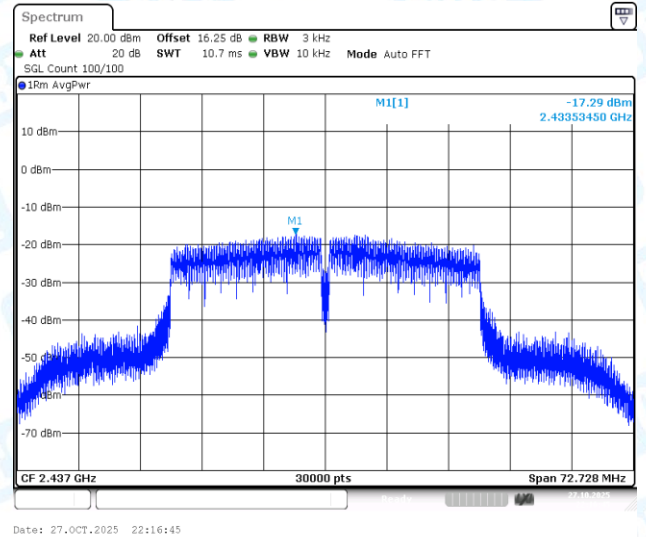
11N40-CDD-Ant1-2422-PASS



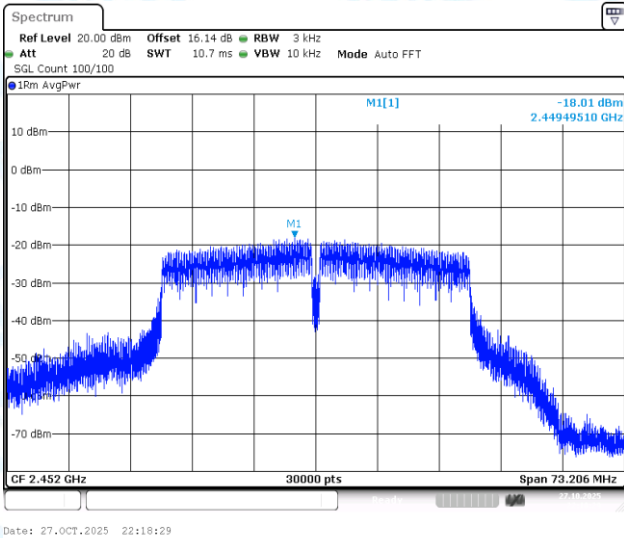
11N40-CDD-Ant2-2422-PASS



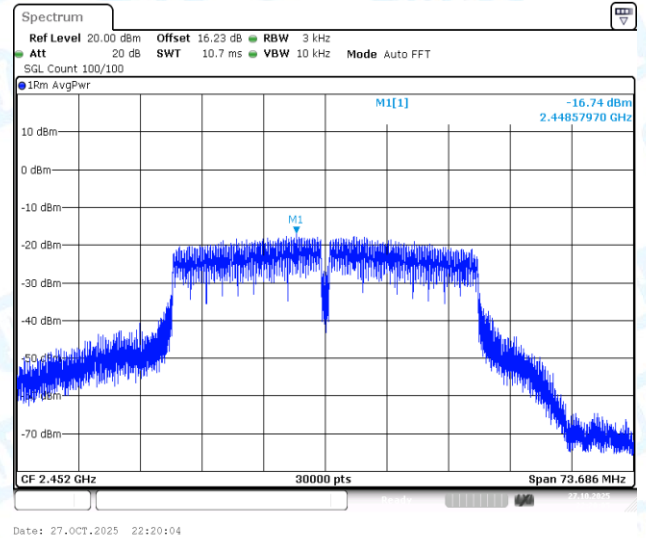
11N40-CDD-Ant1-2437-PASS



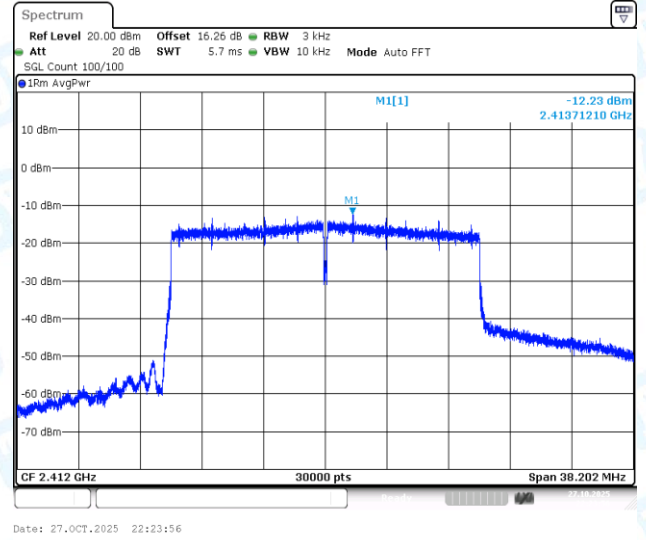
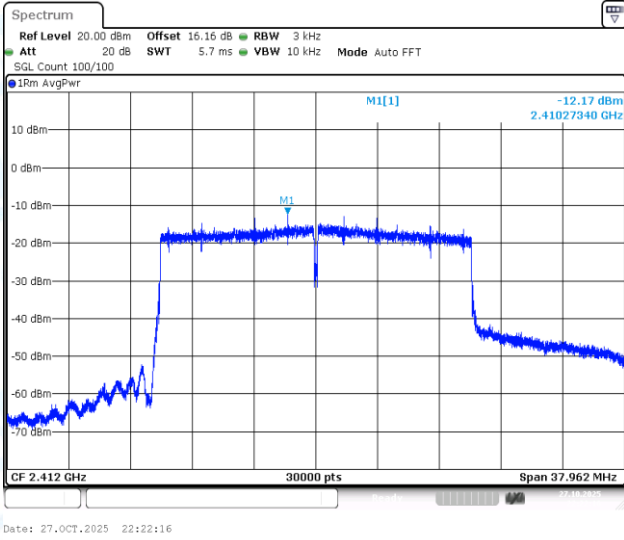
11N40-CDD-Ant2-2437-PASS



11N40-CDD-Ant1-2452-PASS

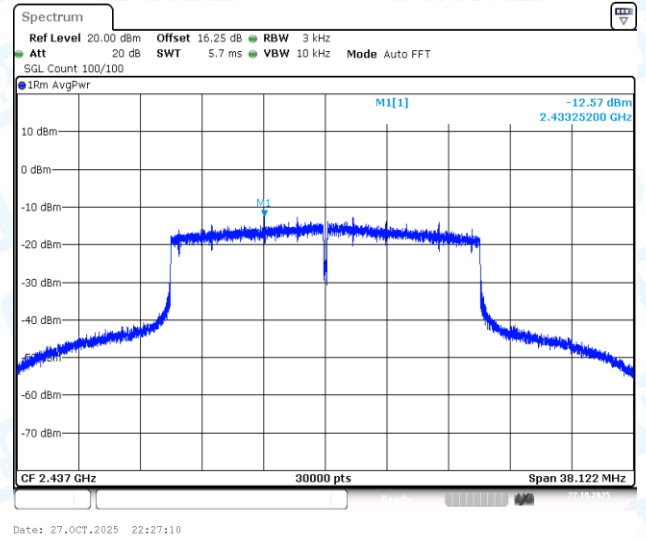
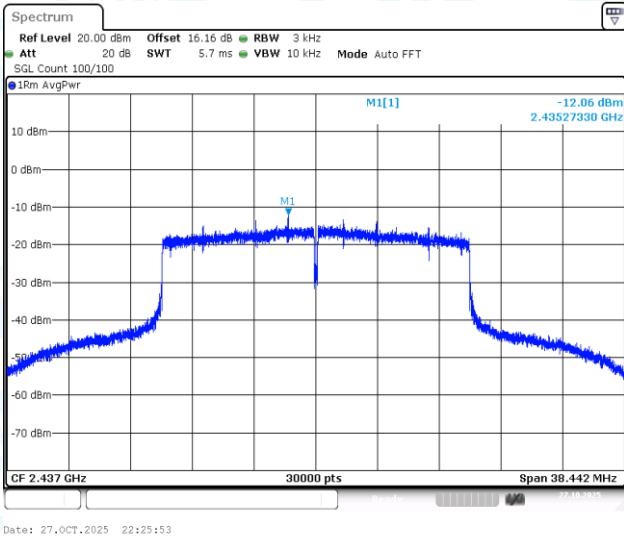


11N40-CDD-Ant2-2452-PASS



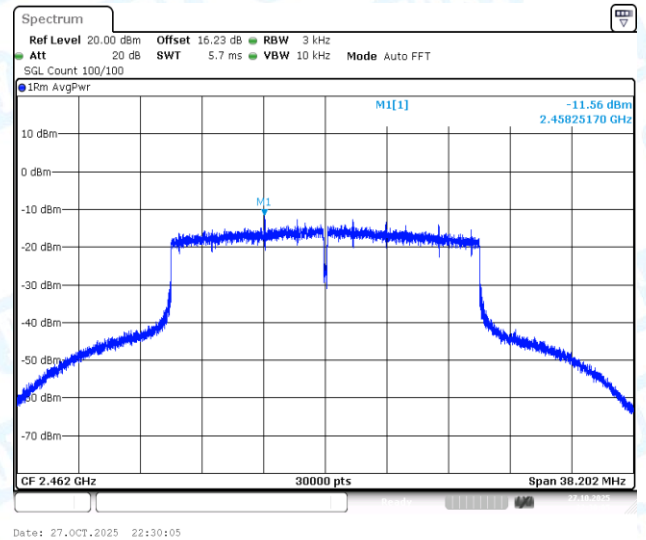
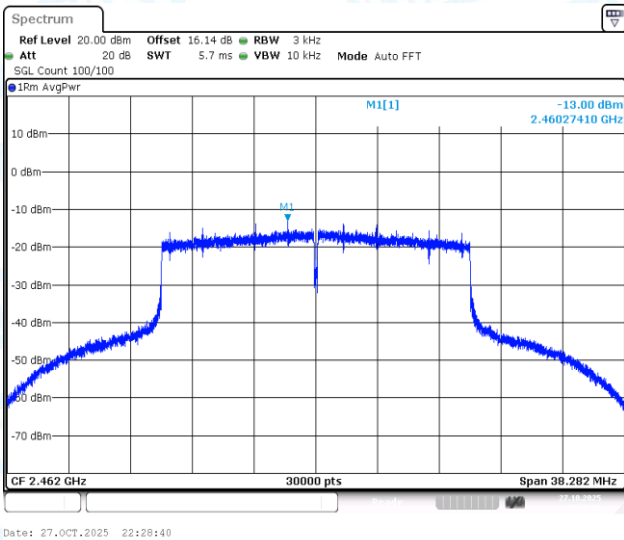
11AX20-CDD-Ant1-2412-PASS

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