

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

General Description of EUT	
Product Name:	7" Tablet
Test Model:	100135924
Sample ID:	202311-0360-3-2#
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 3.85V
Test Engineer:	Yan zhen ming
Note: For a more detailed features description, please refer to the report TBR-C-202311-0360-32 The report only show the worst case data.	

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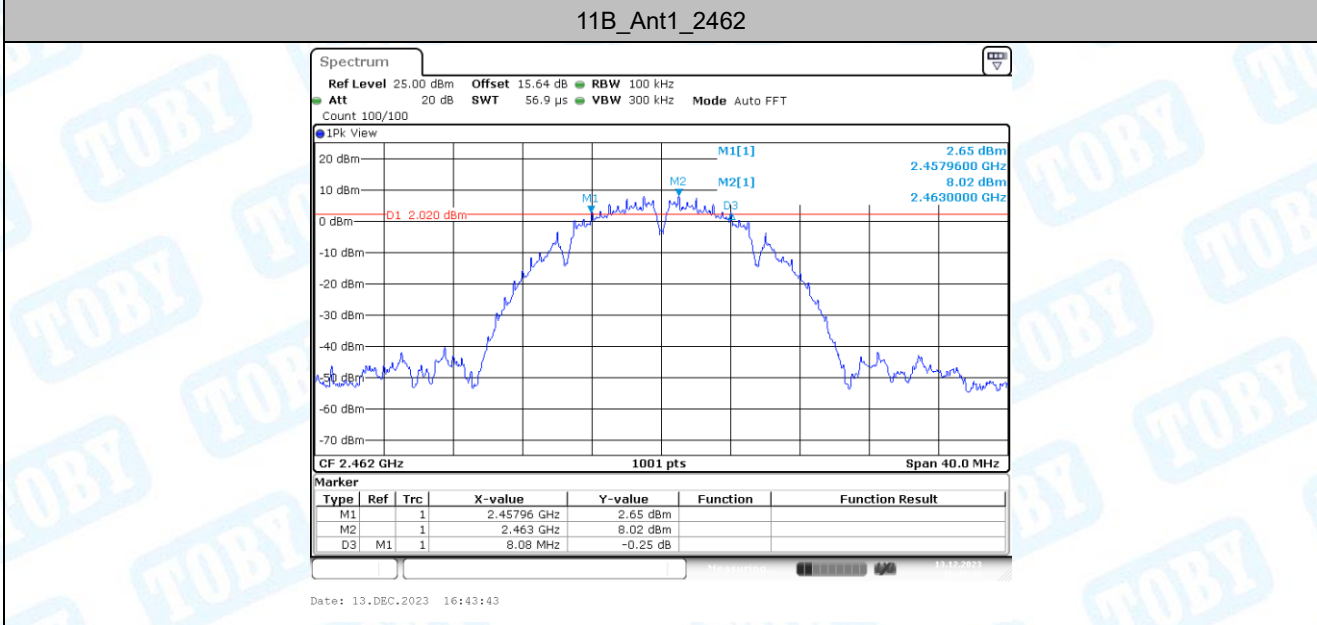
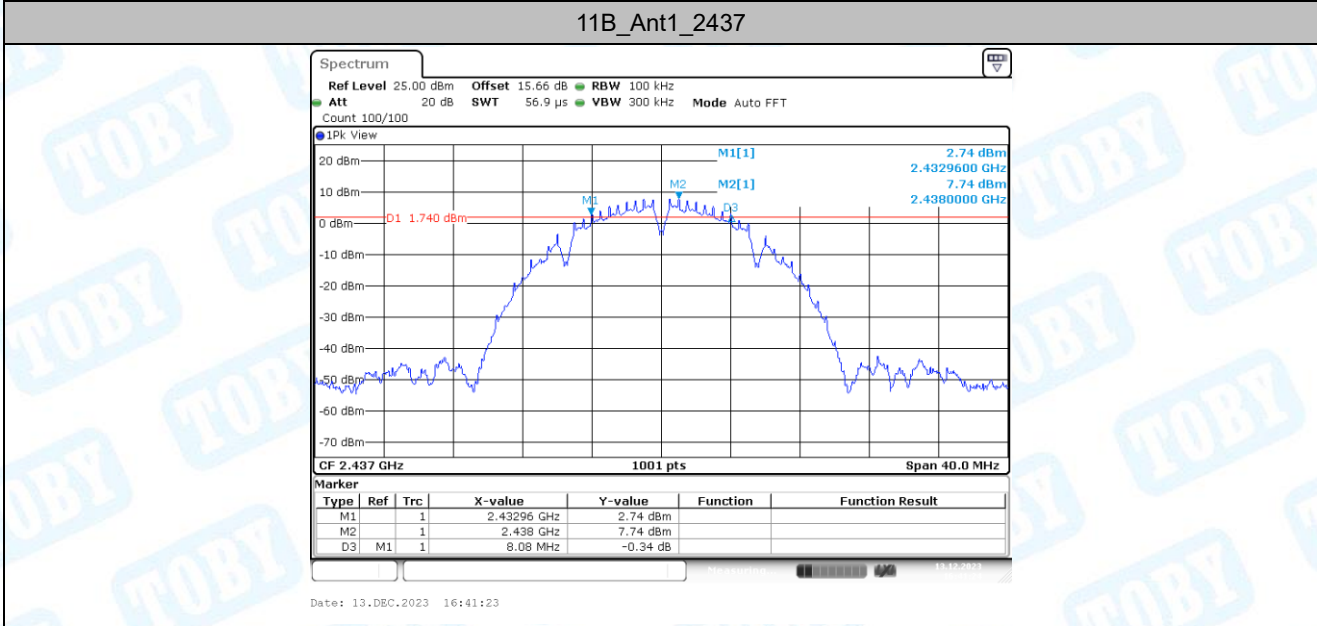
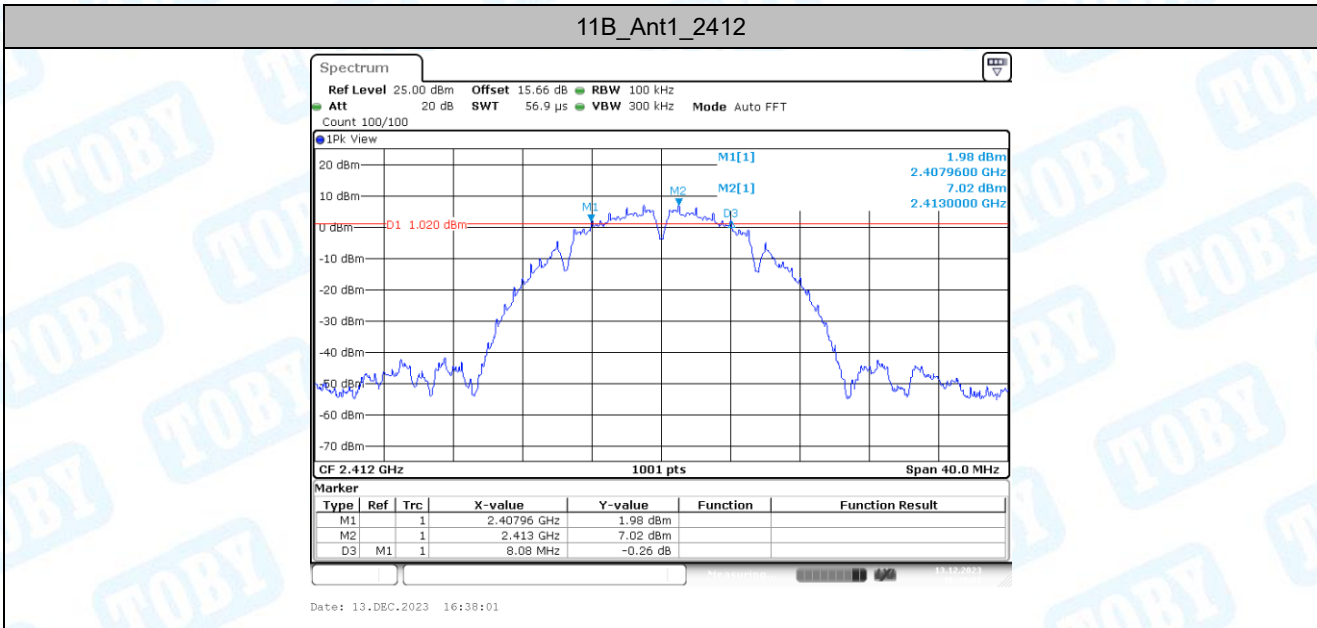
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1. DTS Bandwidth

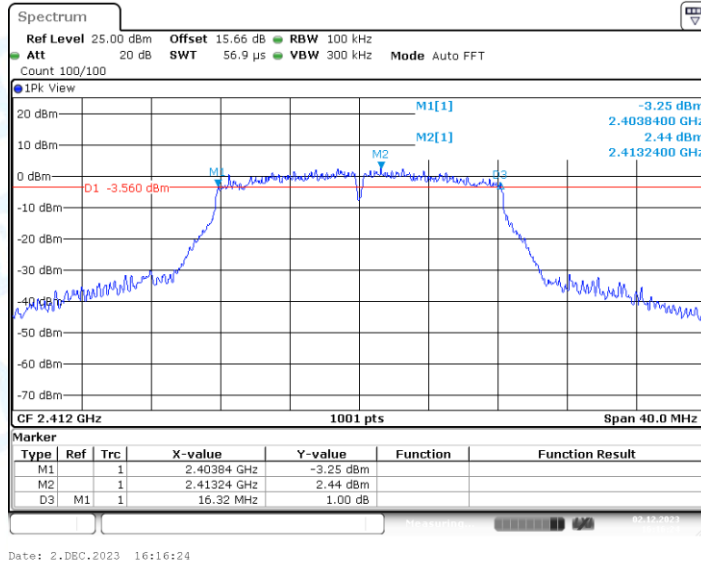
1.1. Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.08	2407.96	2416.04	0.5	PASS
		2437	8.08	2432.96	2441.04	0.5	PASS
		2462	8.08	2457.96	2466.04	0.5	PASS
11G	Ant1	2412	16.32	2403.84	2420.16	0.5	PASS
		2437	15.32	2429.48	2444.80	0.5	PASS
		2462	16.08	2454.08	2470.16	0.5	PASS
11N20SISO	Ant1	2412	16.32	2404.44	2420.76	0.5	PASS
		2437	17.52	2428.24	2445.76	0.5	PASS
		2462	17.52	2453.24	2470.76	0.5	PASS
11N40SISO	Ant1	2422	35.36	2404.56	2439.92	0.5	PASS
		2437	35.52	2419.08	2454.60	0.5	PASS
		2452	36.08	2434.08	2470.16	0.5	PASS

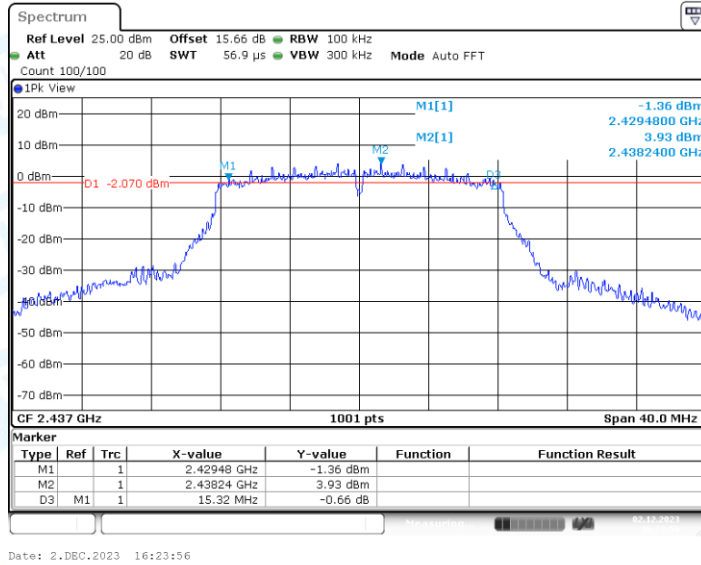
1.2. Test Graphs



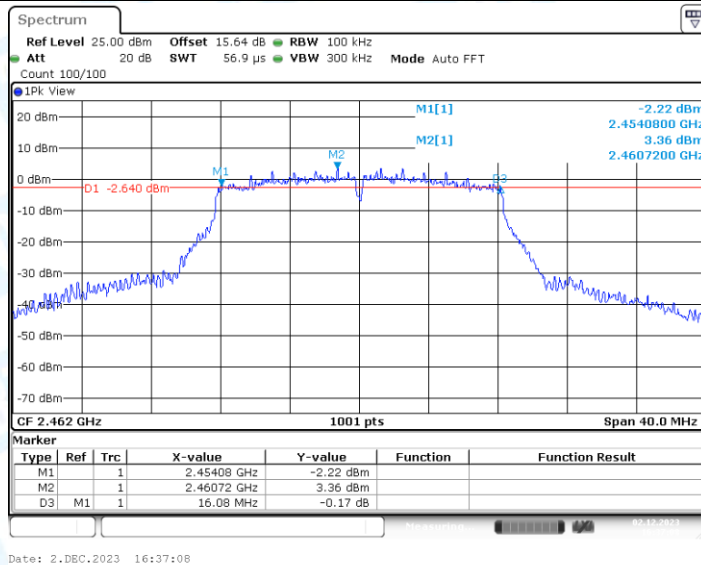
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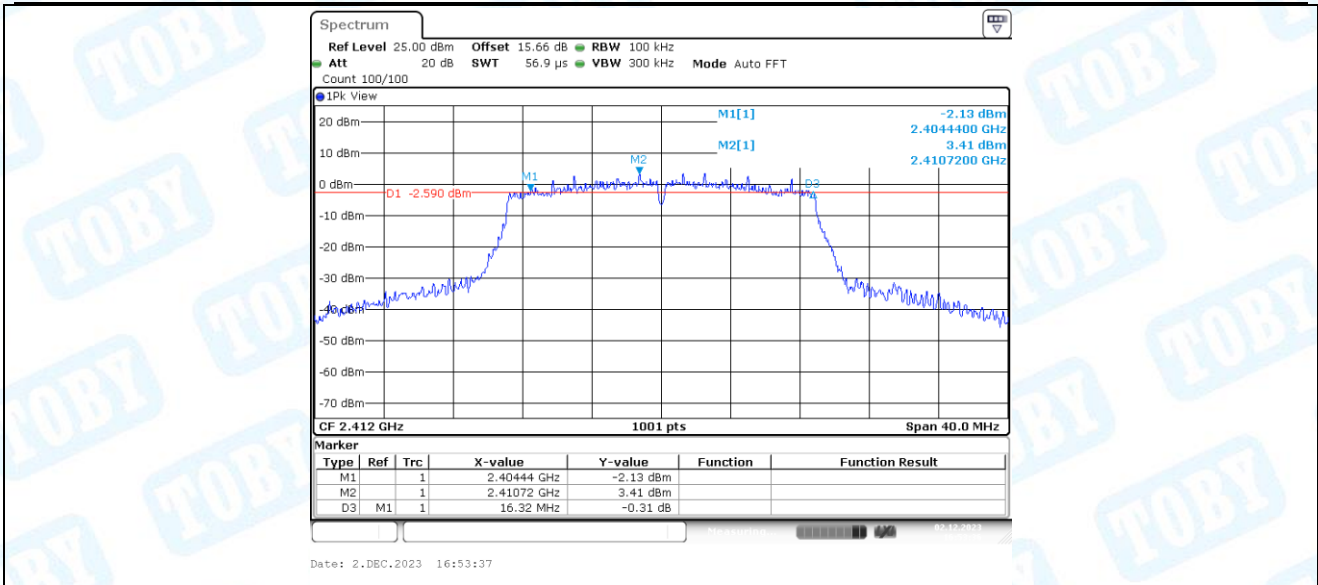
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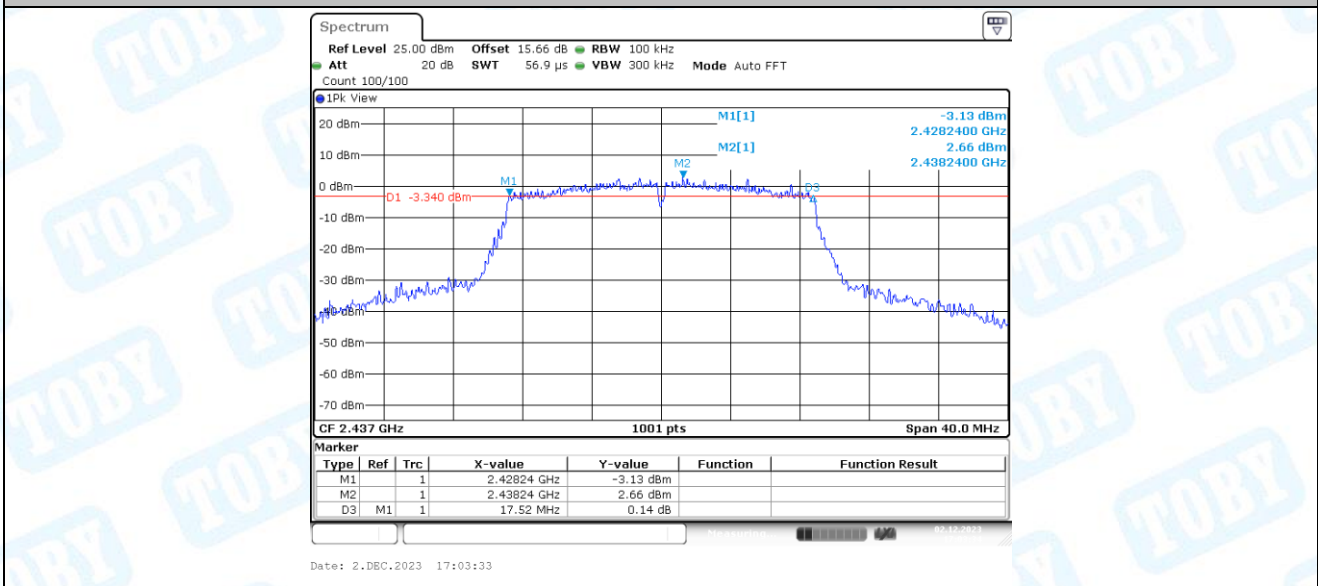
11G_Ant1_2462



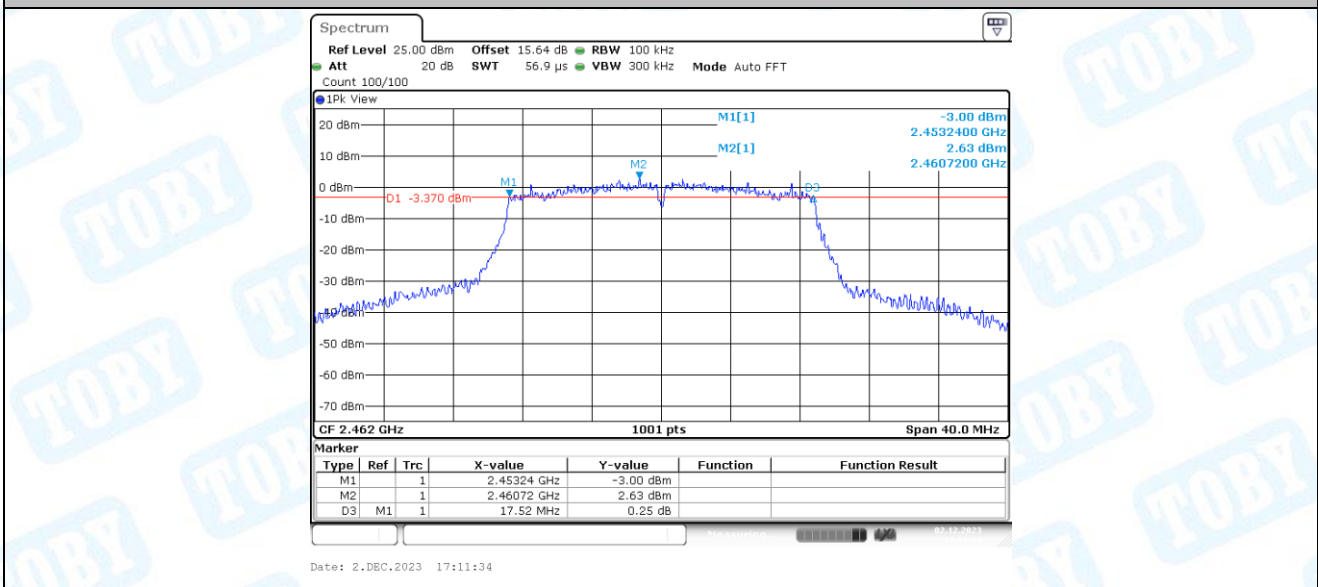
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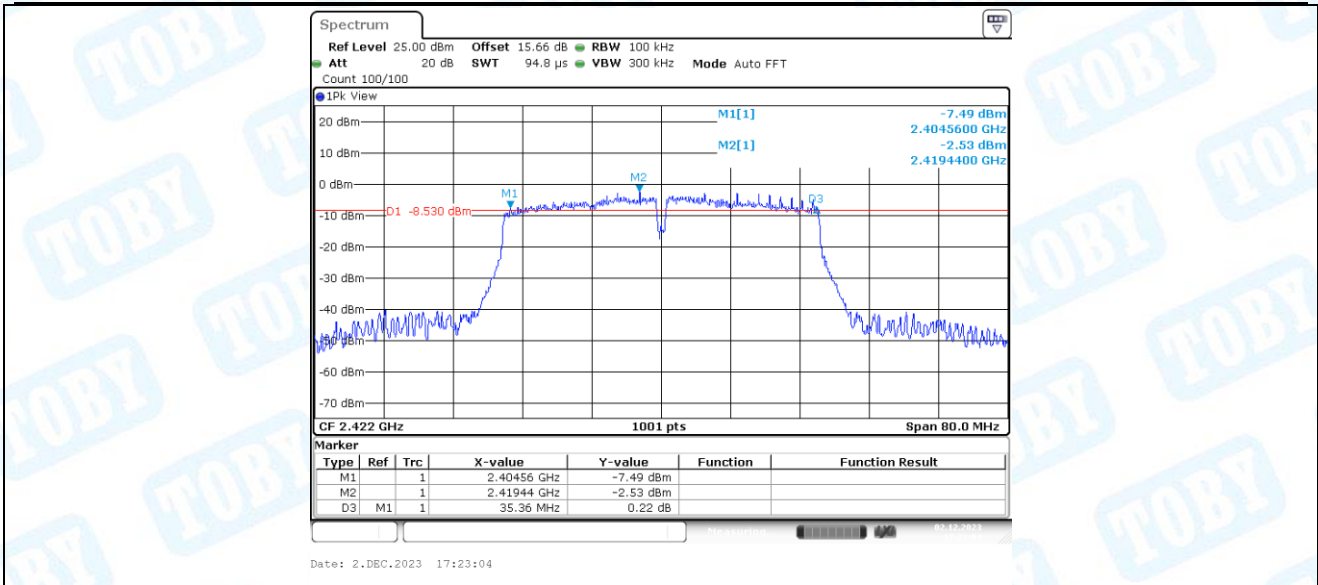
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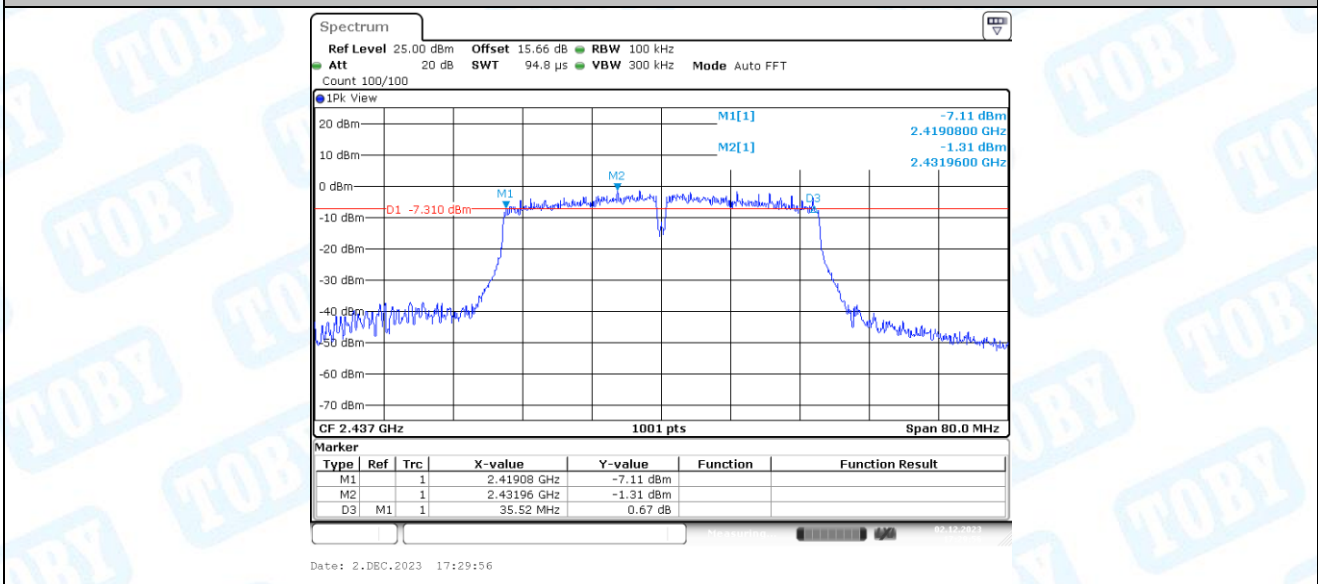
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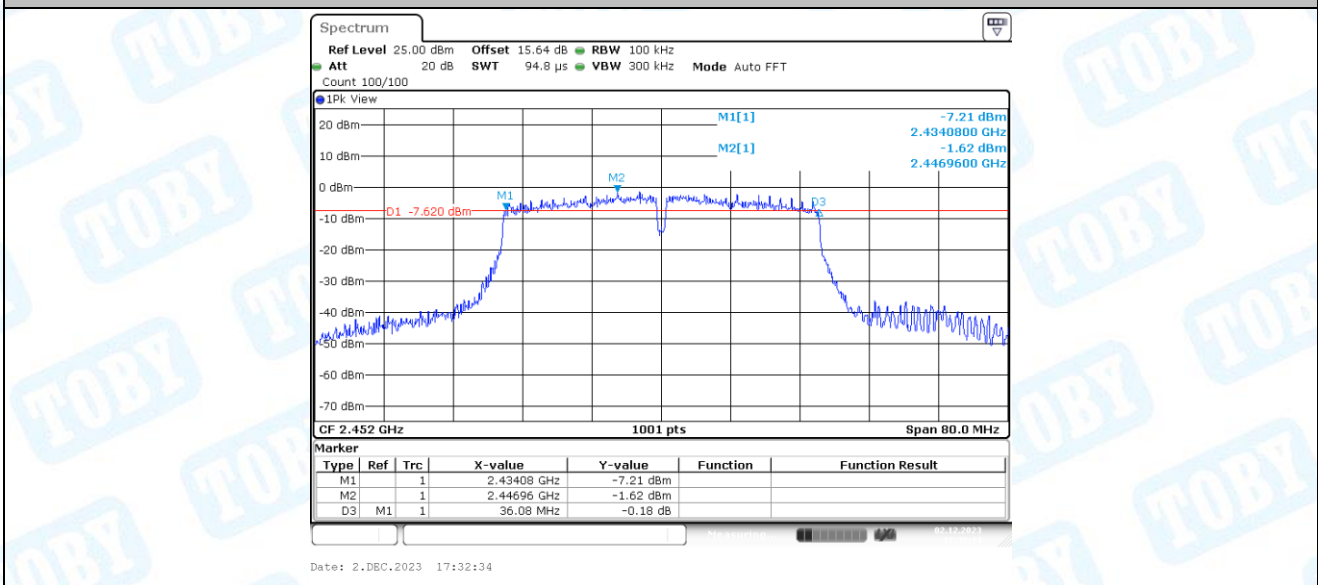
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

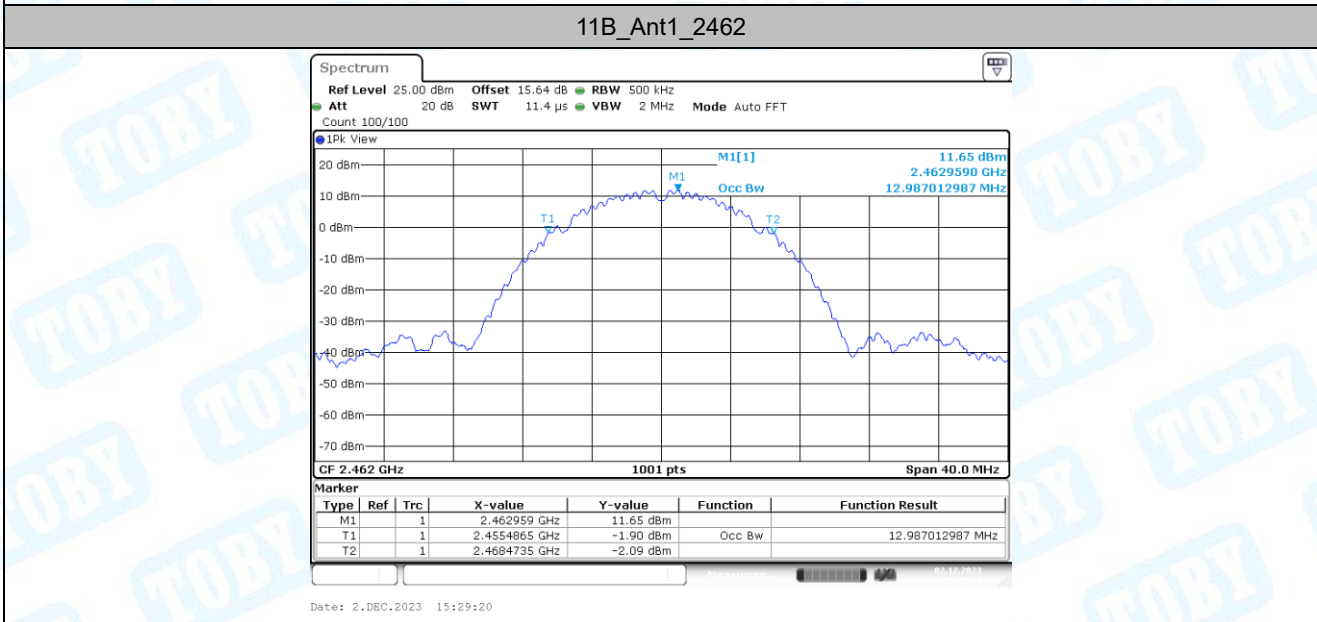
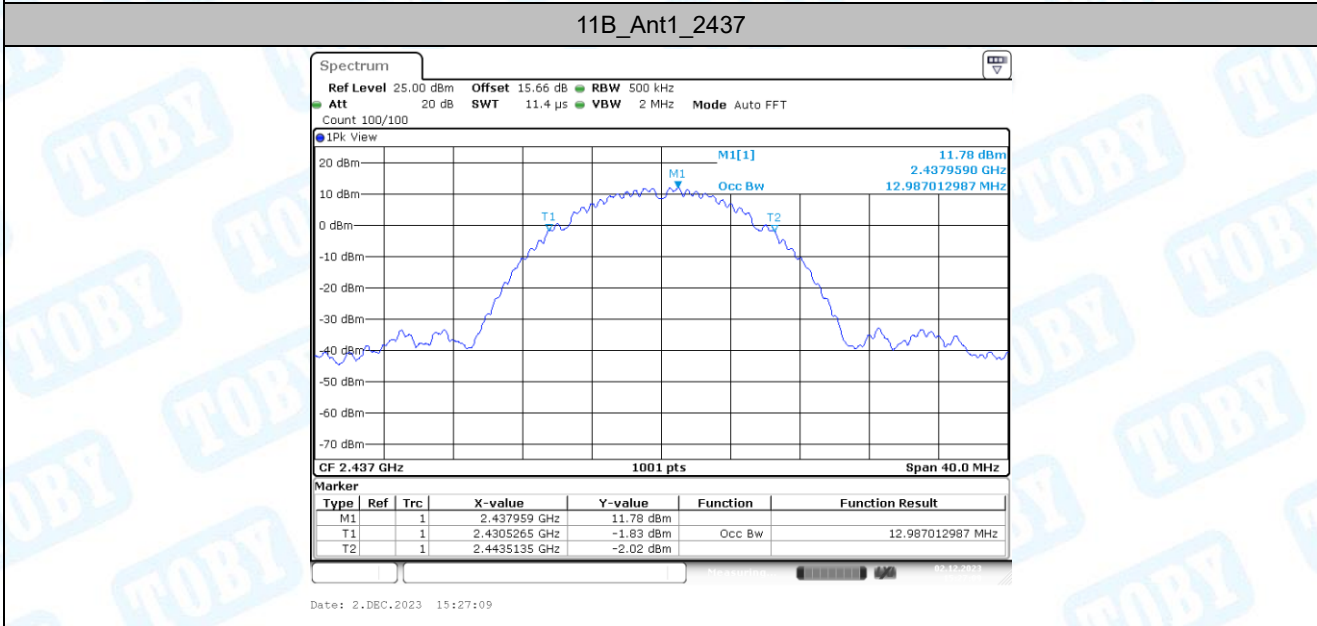
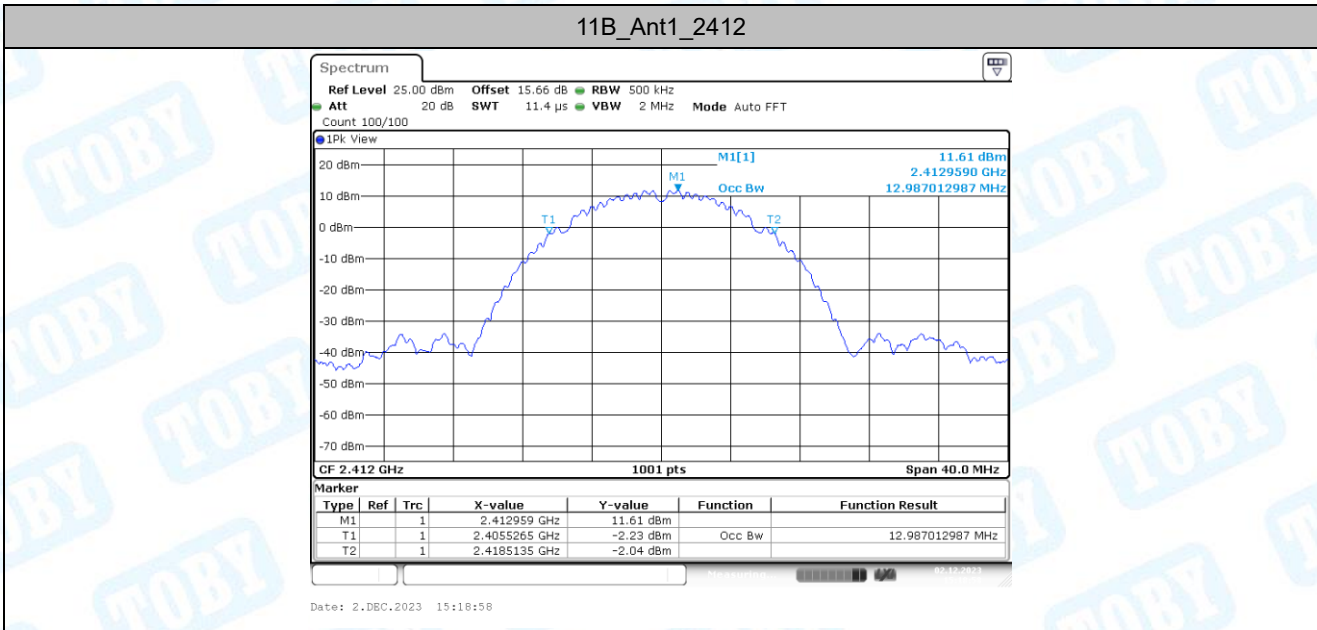


2. Occupied Channel Bandwidth

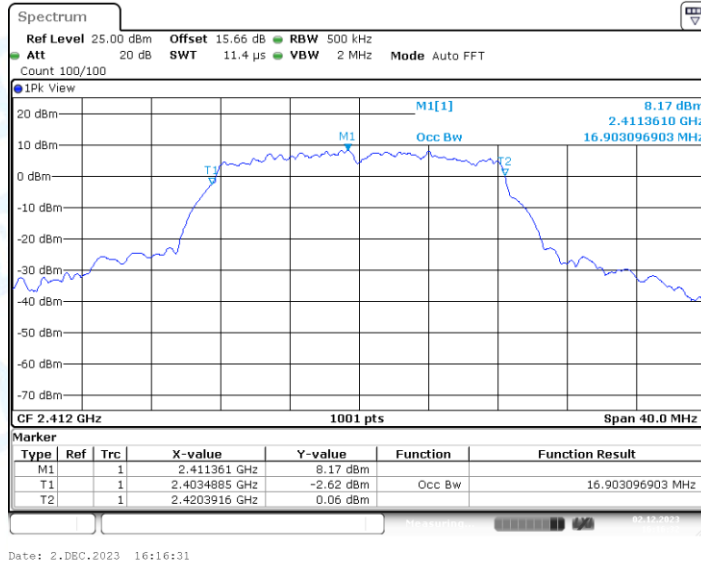
2.1. Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.987	2405.5265	2418.5135	---	---
		2437	12.987	2430.5265	2443.5135	---	---
		2462	12.987	2455.4865	2468.4735	---	---
11G	Ant1	2412	16.903	2403.4885	2420.3916	---	---
		2437	16.863	2428.4086	2445.2717	---	---
		2462	16.663	2453.7283	2470.3916	---	---
11N20SISO	Ant1	2412	17.942	2403.1289	2421.0709	---	---
		2437	17.702	2428.1289	2445.8312	---	---
		2462	18.142	2452.7692	2470.9111	---	---
11N40SISO	Ant1	2422	36.124	2403.9381	2440.0619	---	---
		2437	36.124	2418.9381	2455.0619	---	---
		2452	36.124	2433.9381	2470.0619	---	---

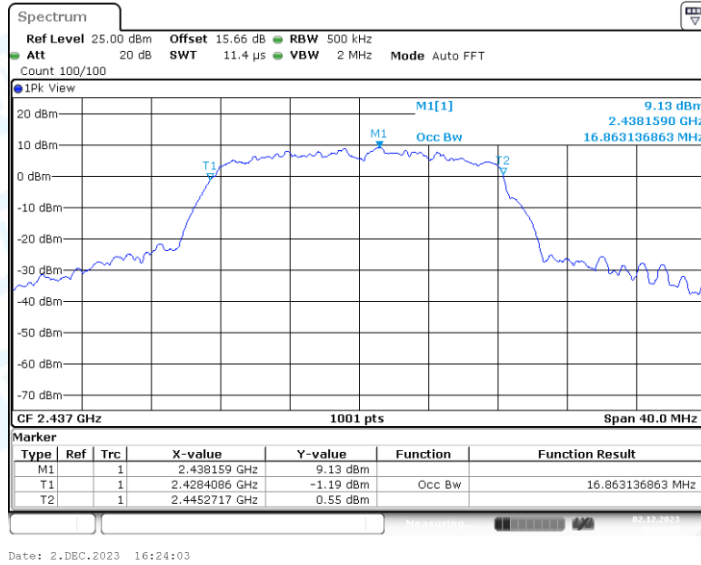
2.2. Test Graphs



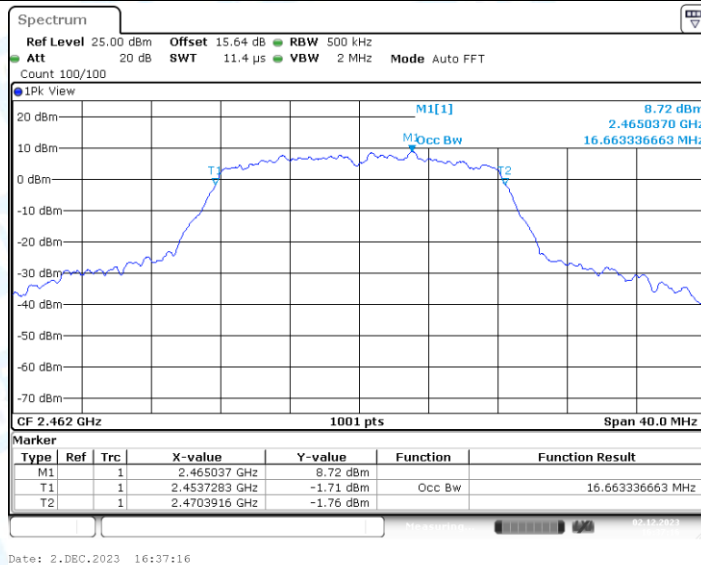
11G_Ant1_2412



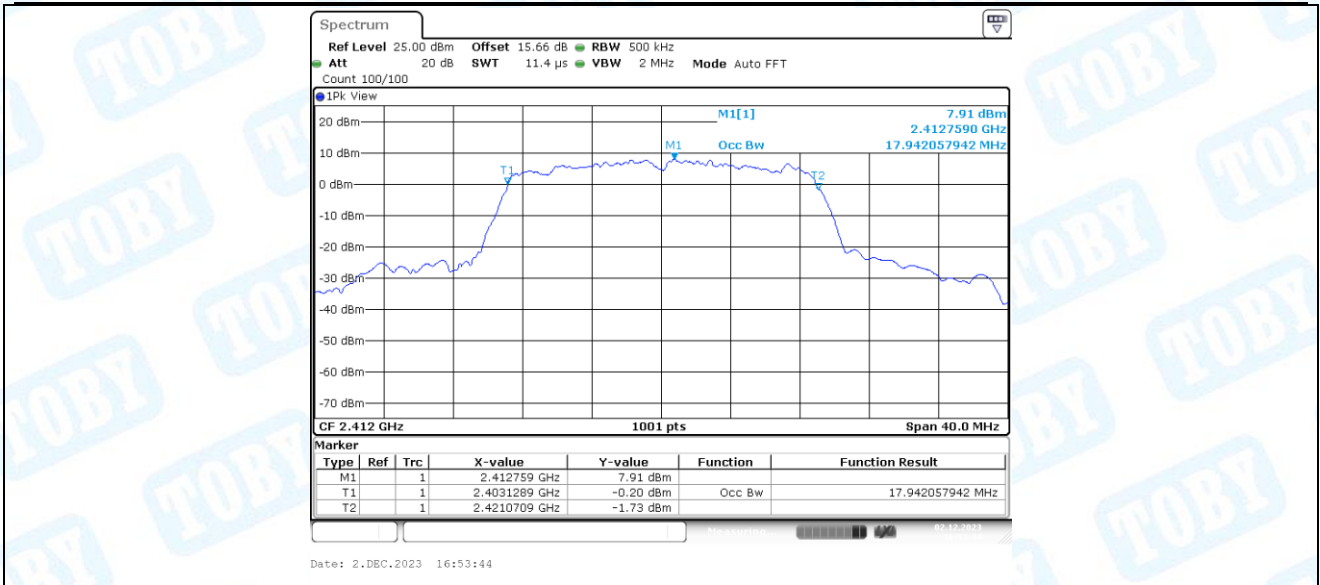
11G_Ant1_2437



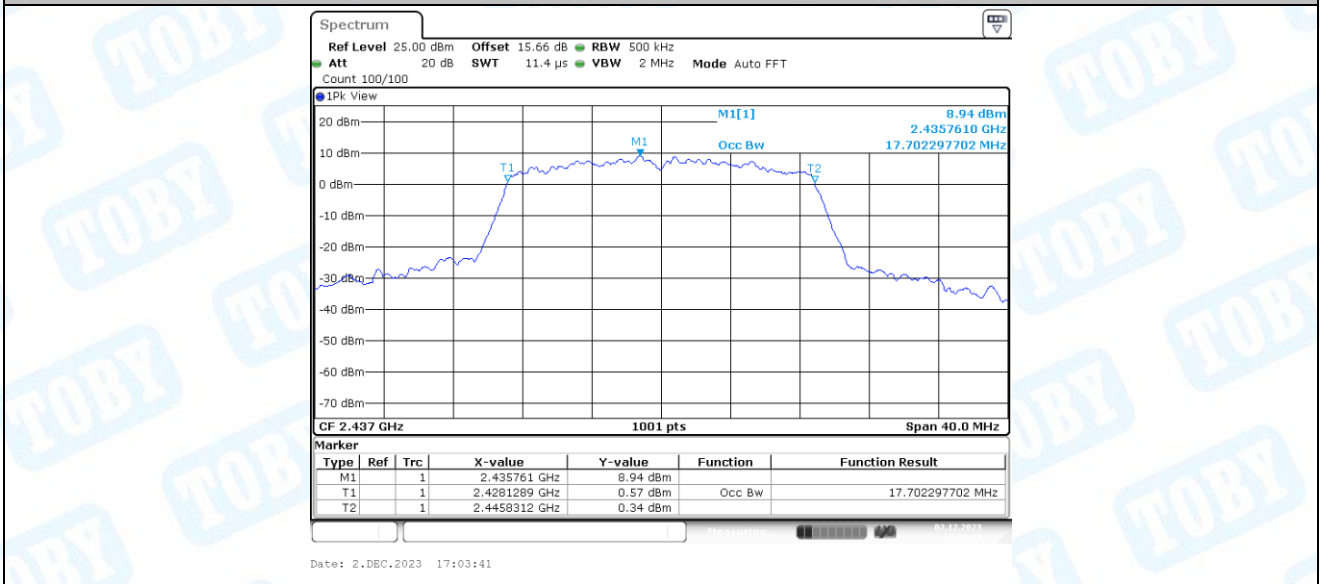
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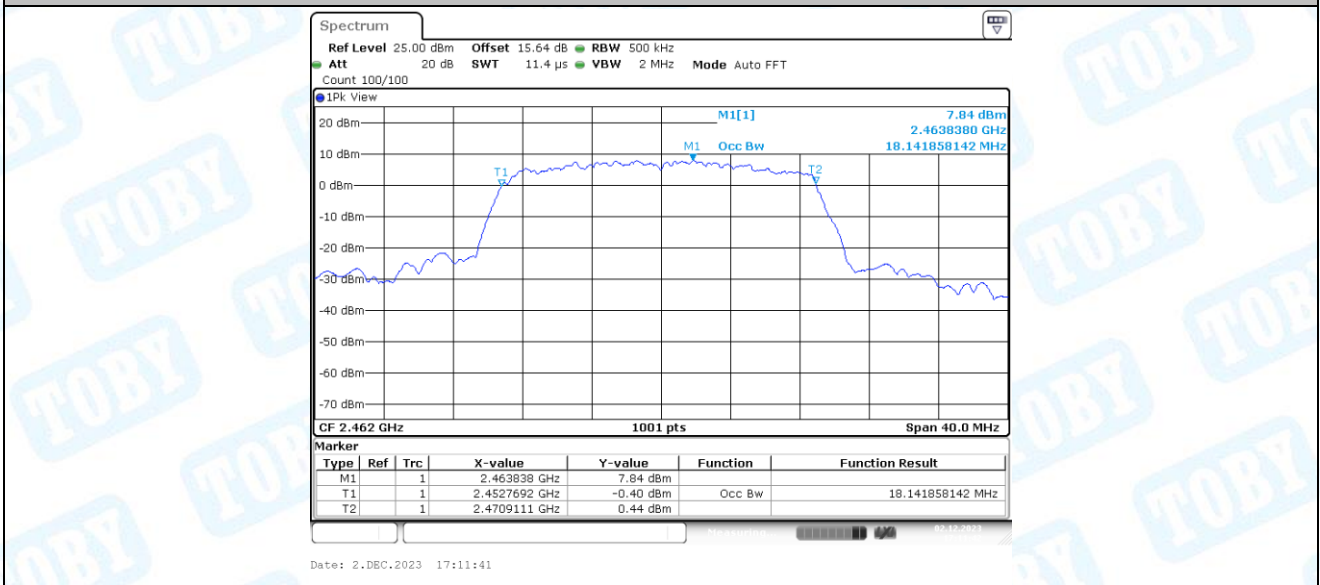
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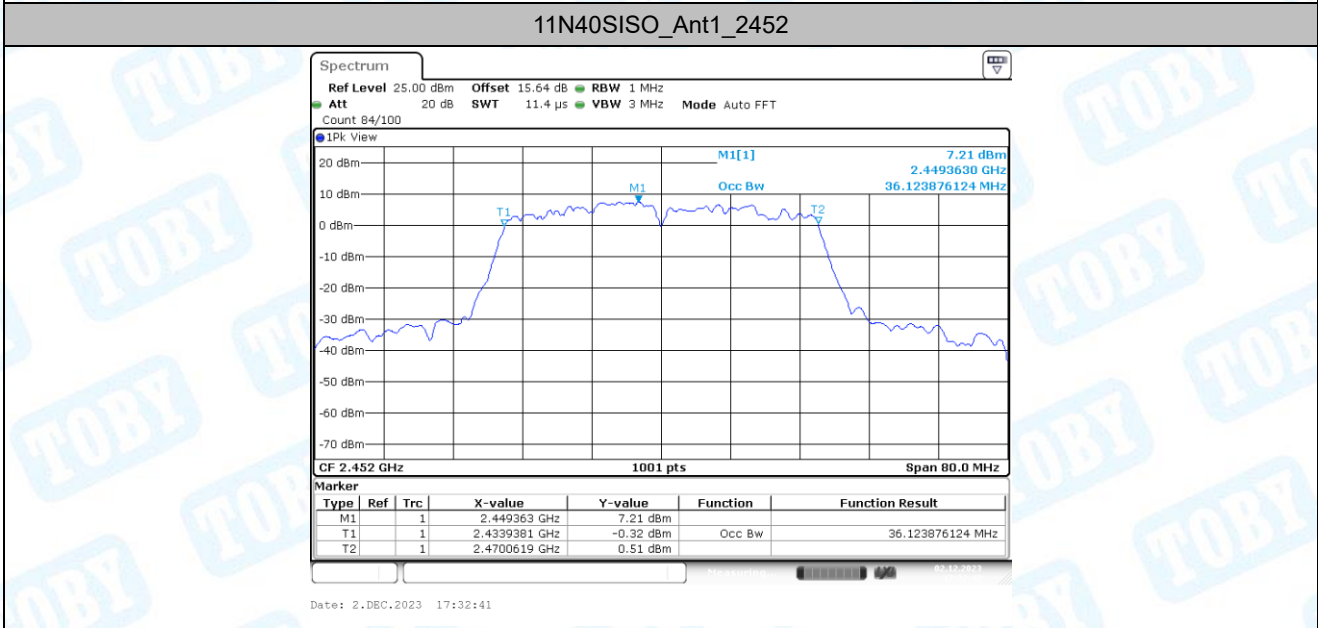
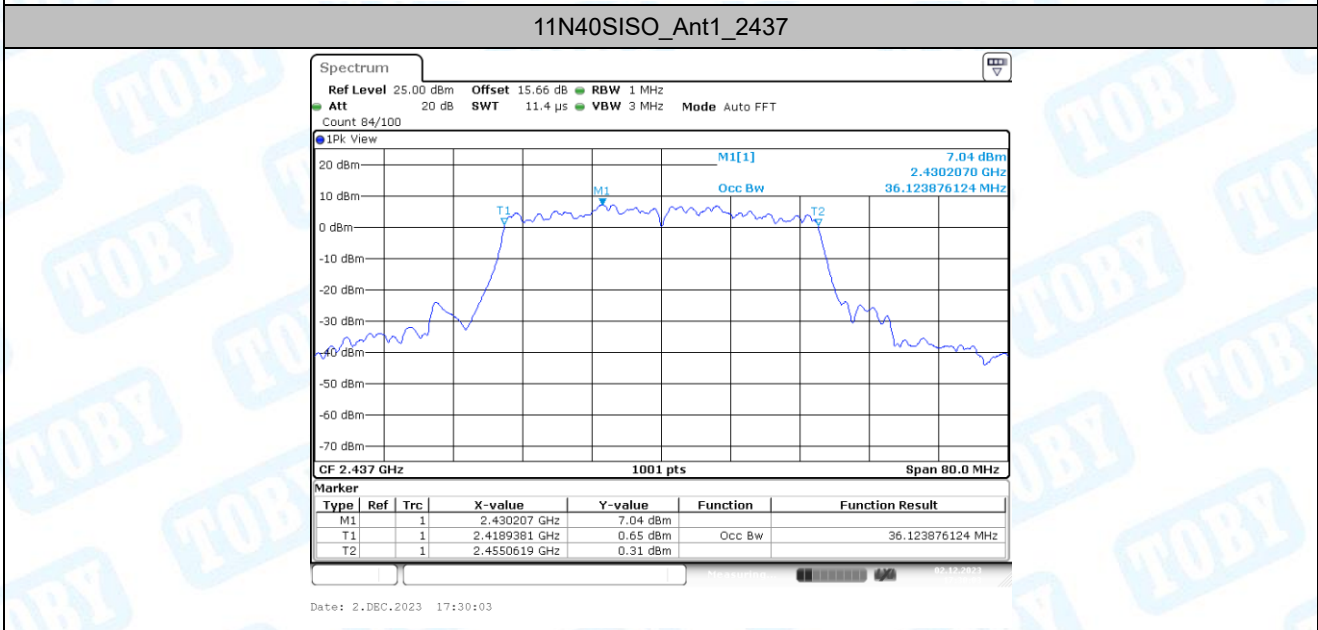
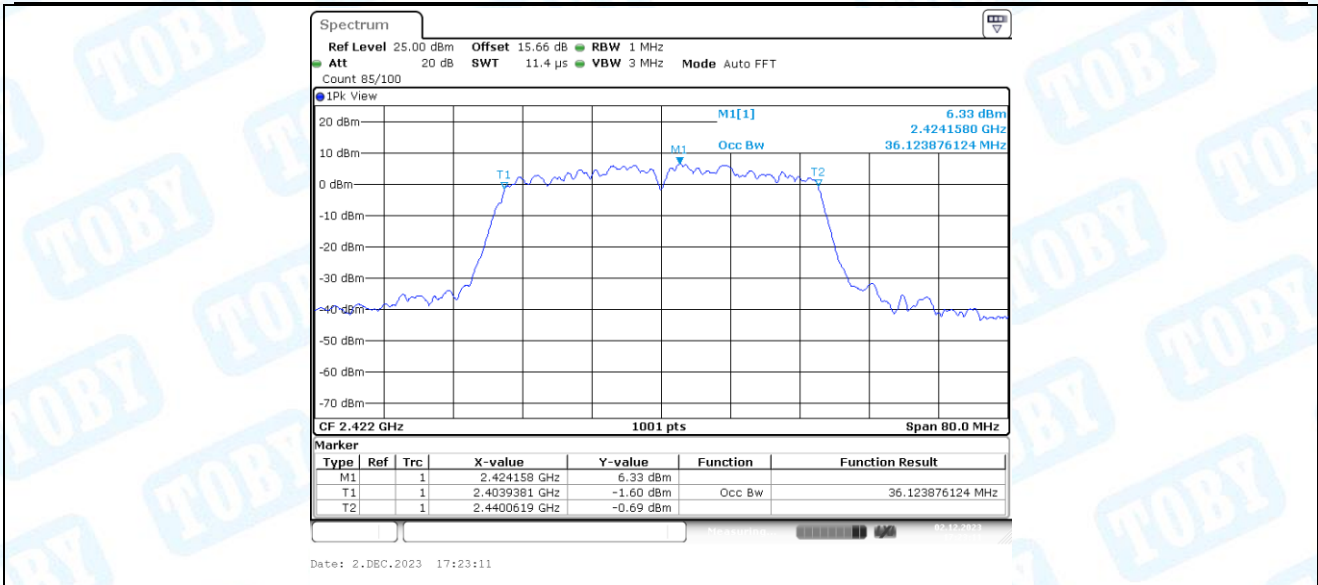
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



3. Maximum conducted output power

3.1. Test Result

TestMode	Antenna	Channel	Power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	15.23	≤30.00	PASS
		2437	15.82	≤30.00	PASS
		2462	15.37	≤30.00	PASS
11G	Ant1	2412	15.32	≤30.00	PASS
		2437	15.55	≤30.00	PASS
		2462	15.54	≤30.00	PASS
11N20SISO	Ant1	2412	15.17	≤30.00	PASS
		2437	15.26	≤30.00	PASS
		2462	15.38	≤30.00	PASS
11N40SISO	Ant1	2422	13.54	≤30.00	PASS
		2437	13.65	≤30.00	PASS
		2452	13.64	≤30.00	PASS

Note: The duty factor has been compensated into the result.

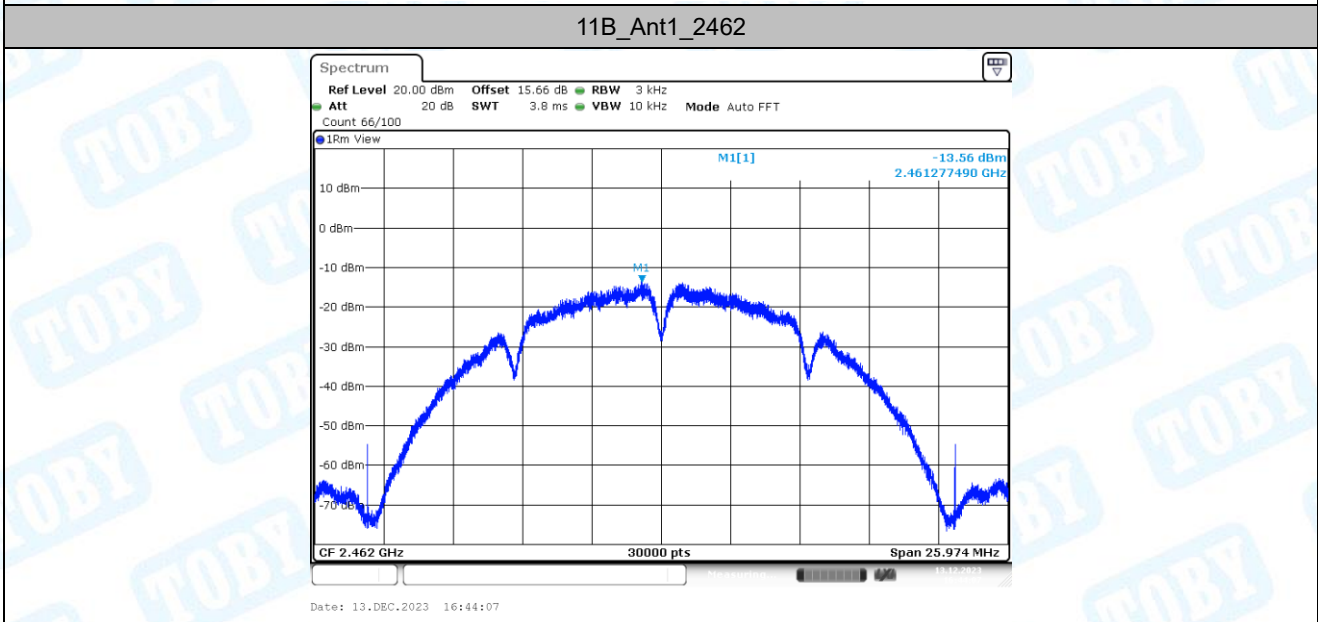
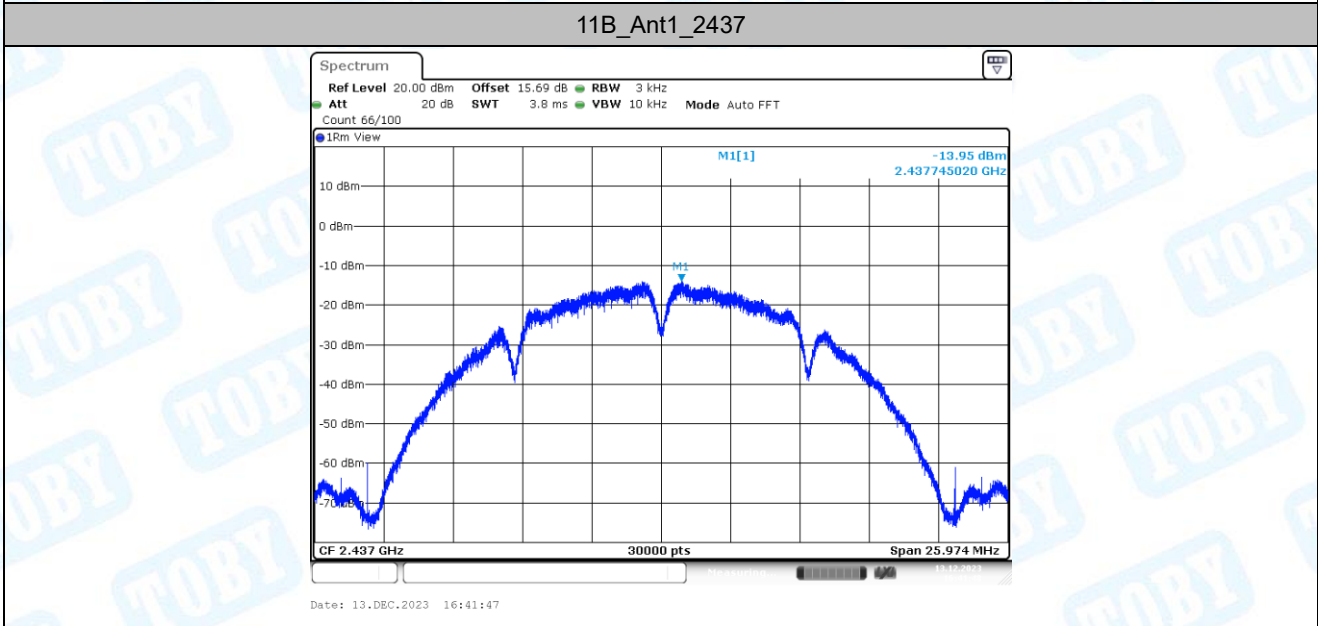
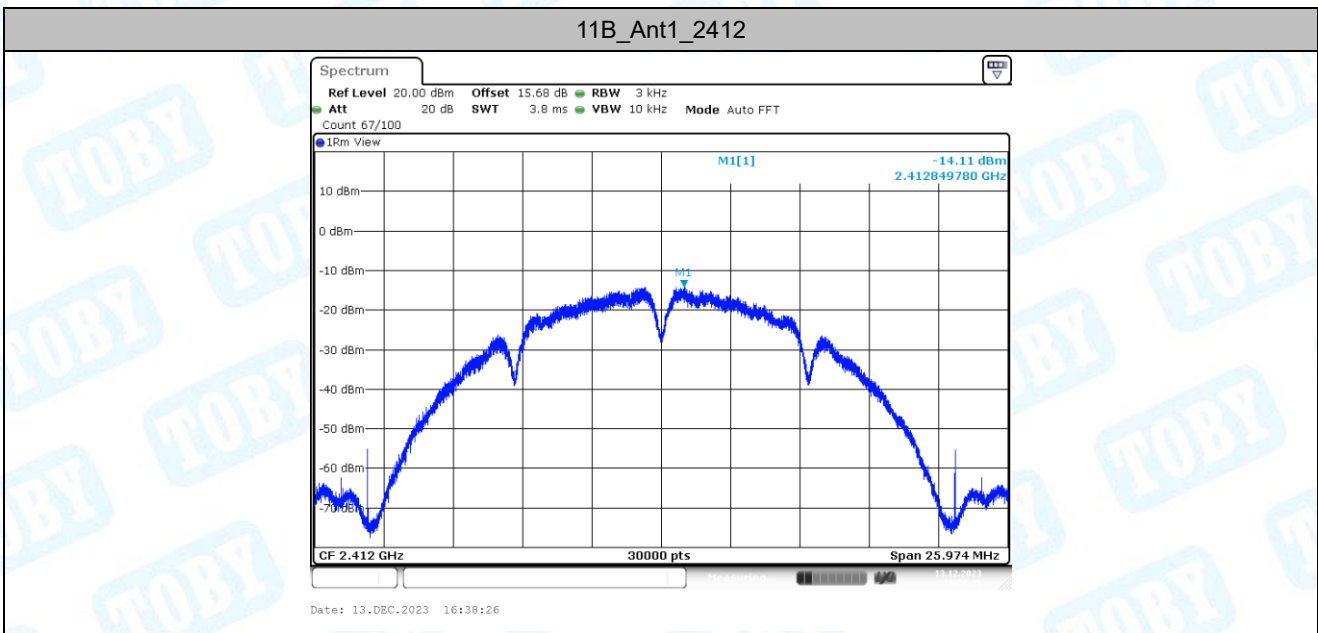
4. Maximum power spectral density

4.1. Test Result

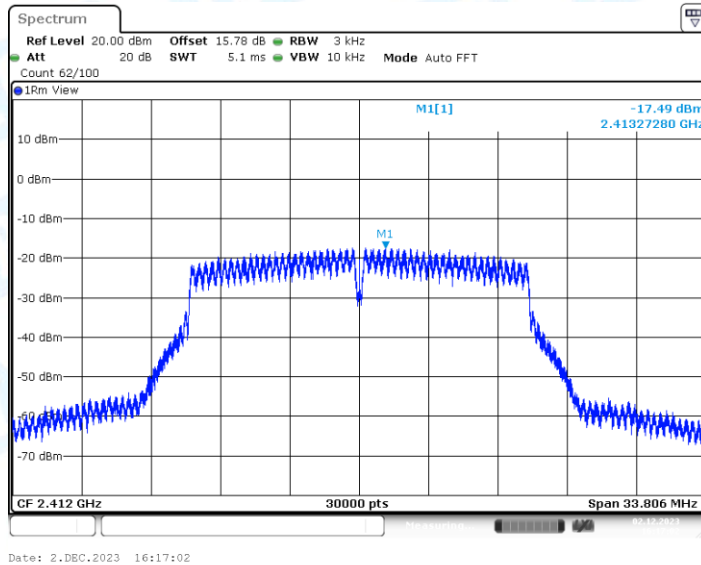
TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-14.11	≤8.00	PASS
		2437	-13.95	≤8.00	PASS
		2462	-13.56	≤8.00	PASS
11G	Ant1	2412	-17.49	≤8.00	PASS
		2437	-16.62	≤8.00	PASS
		2462	-16.68	≤8.00	PASS
11N20SISO	Ant1	2412	-16.99	≤8.00	PASS
		2437	-16.80	≤8.00	PASS
		2462	-16.50	≤8.00	PASS
11N40SISO	Ant1	2422	-19.27	≤8.00	PASS
		2437	-19.55	≤8.00	PASS
		2452	-19.82	≤8.00	PASS

Note: The duty factor has been compensated into the result.

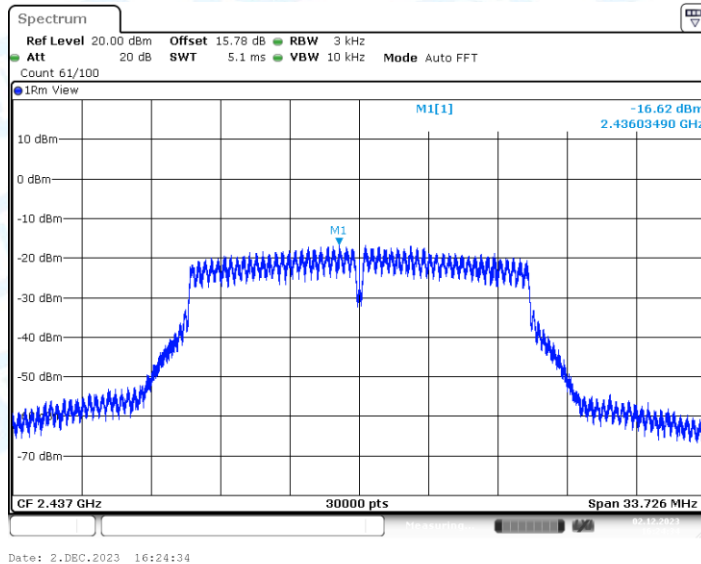
4.2. Test Graphs



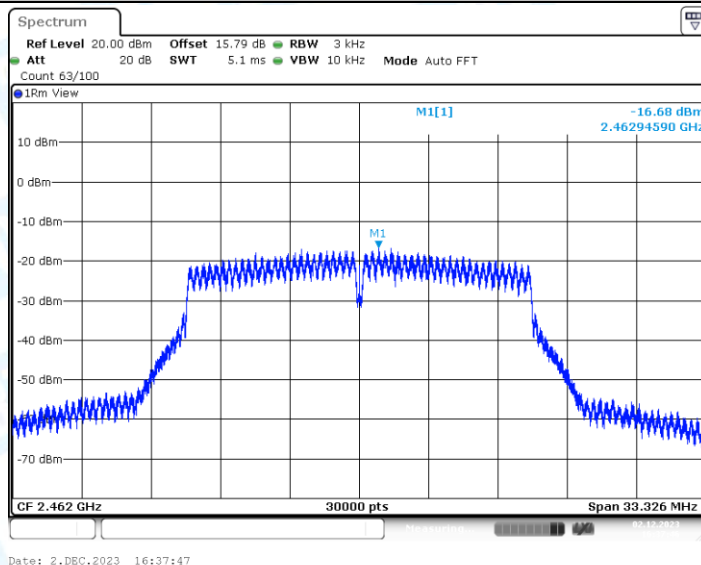
11G_Ant1_2412



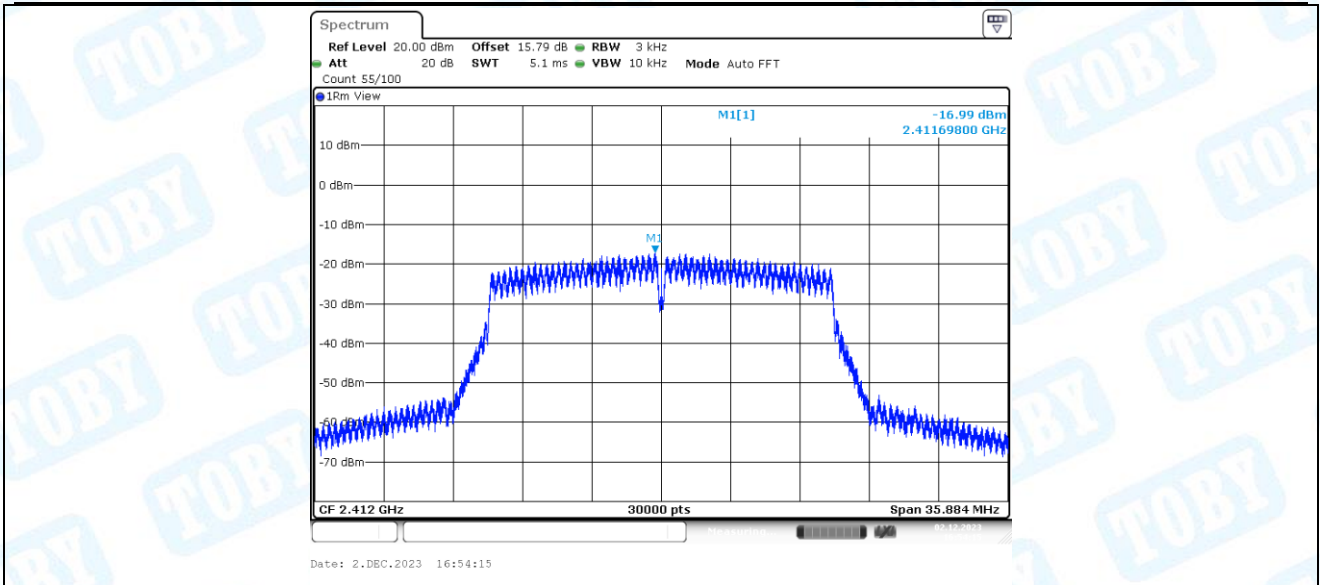
11G_Ant1_2437



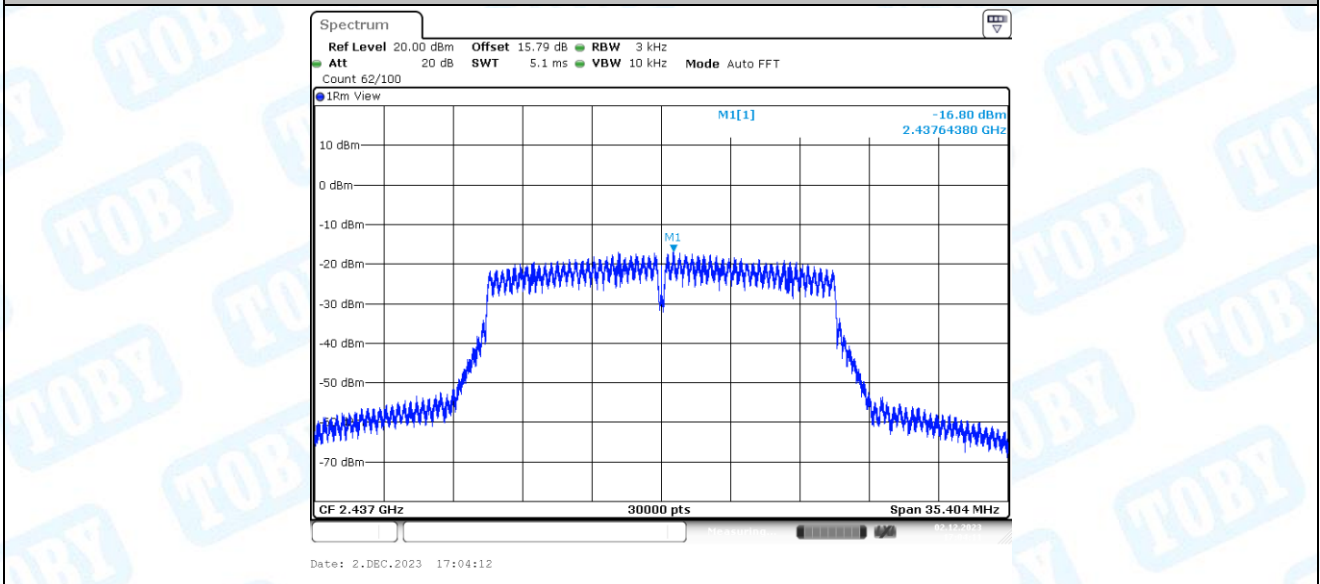
11G_Ant1_2462



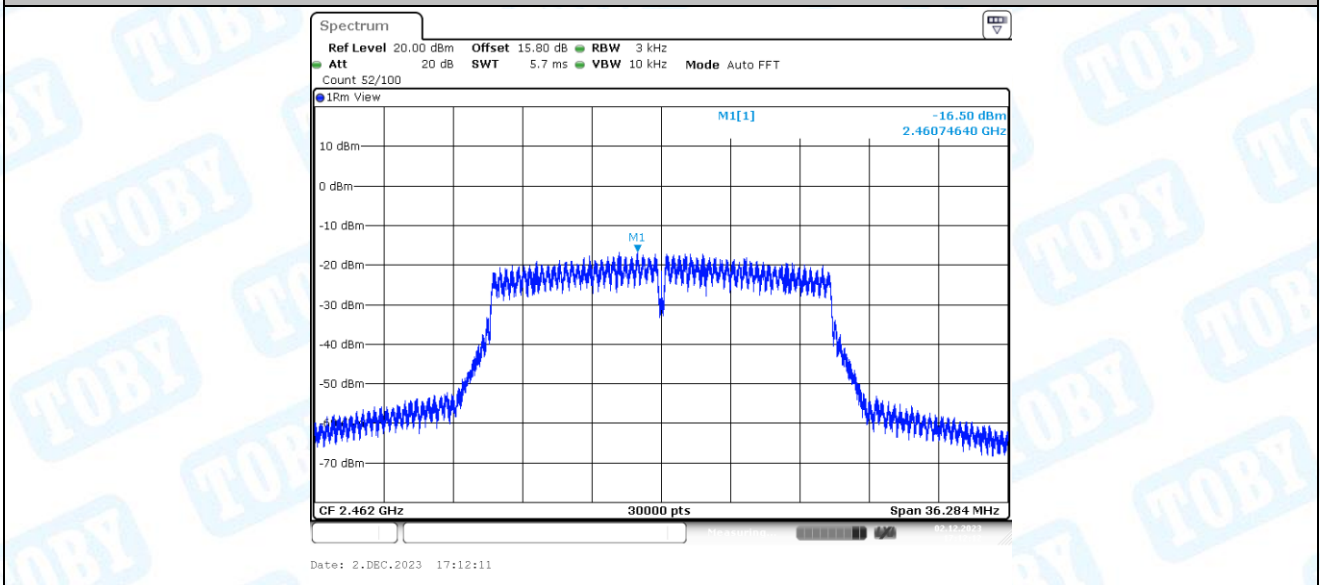
11N20SISO_Ant1_2412



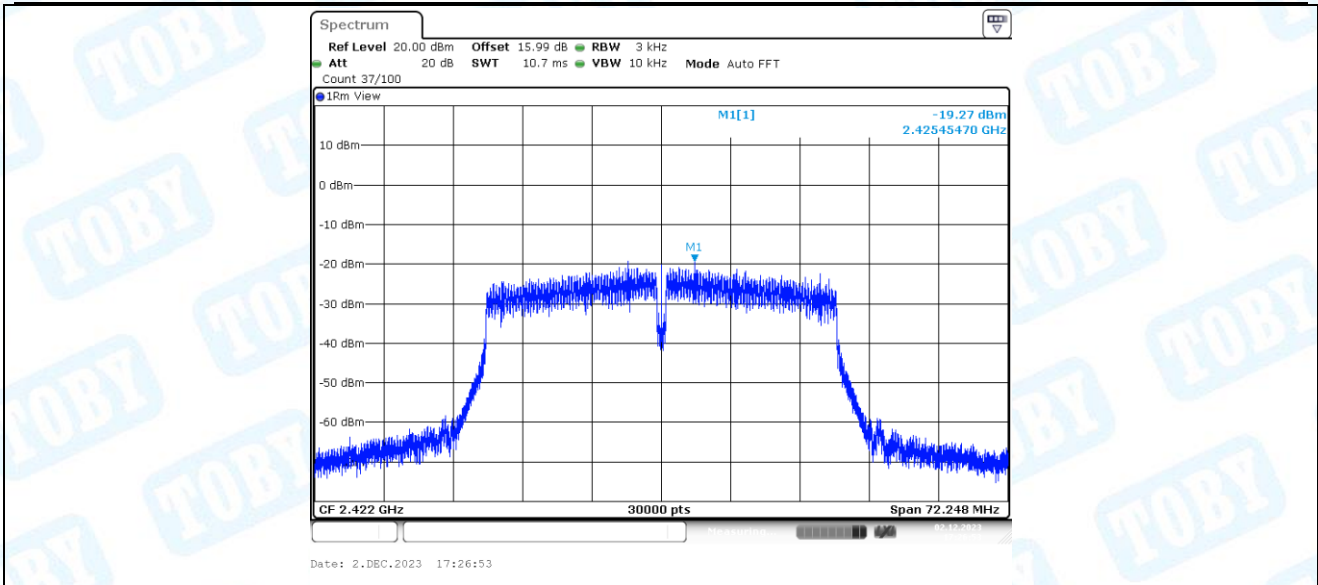
11N20SISO_Ant1_2437



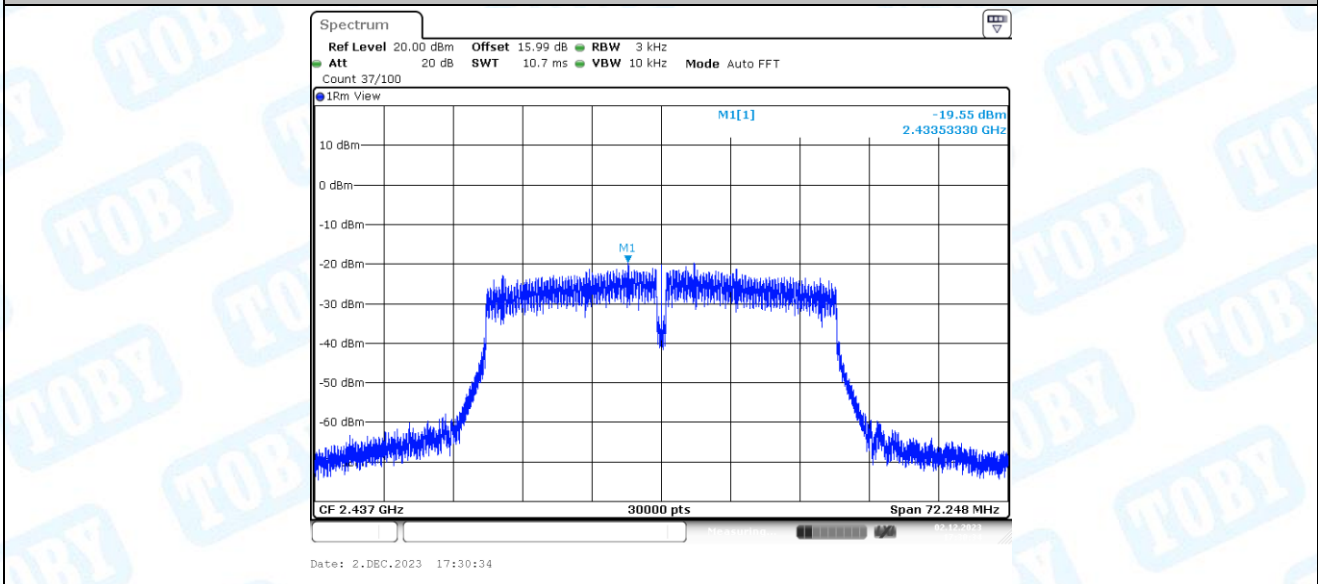
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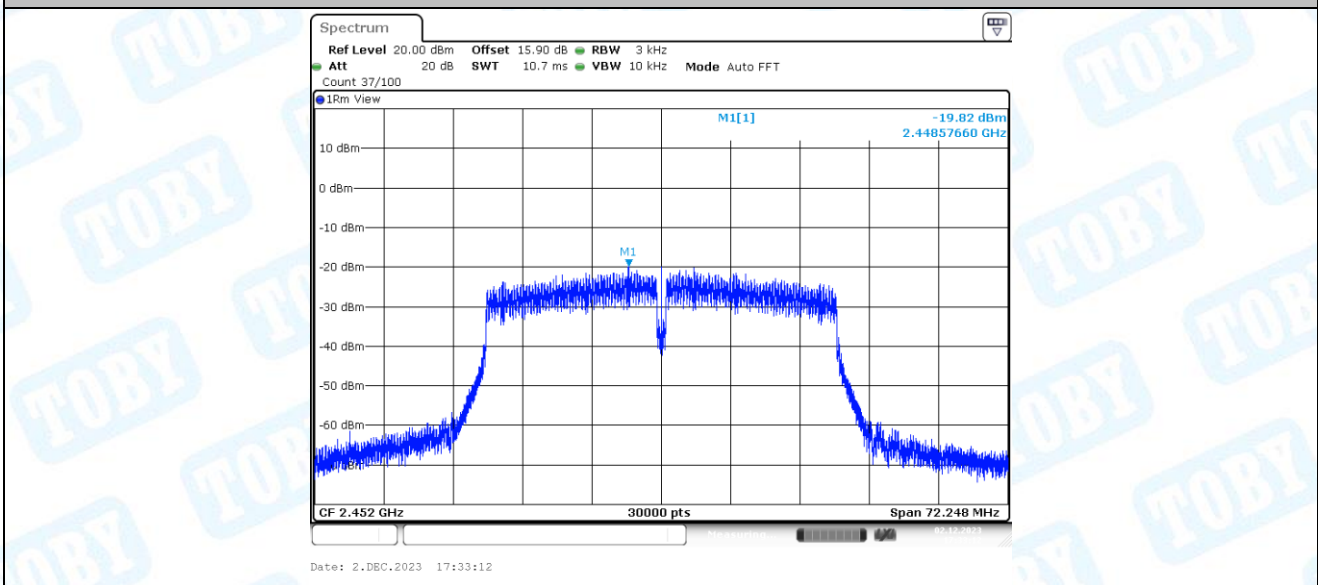
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

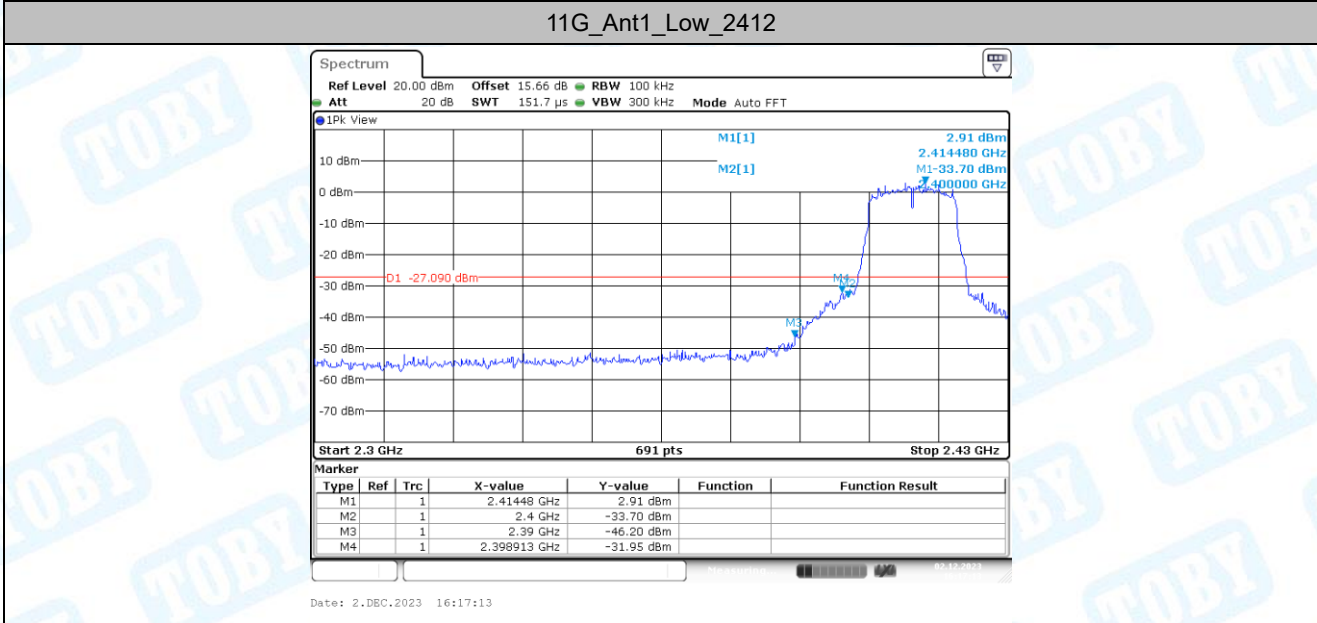
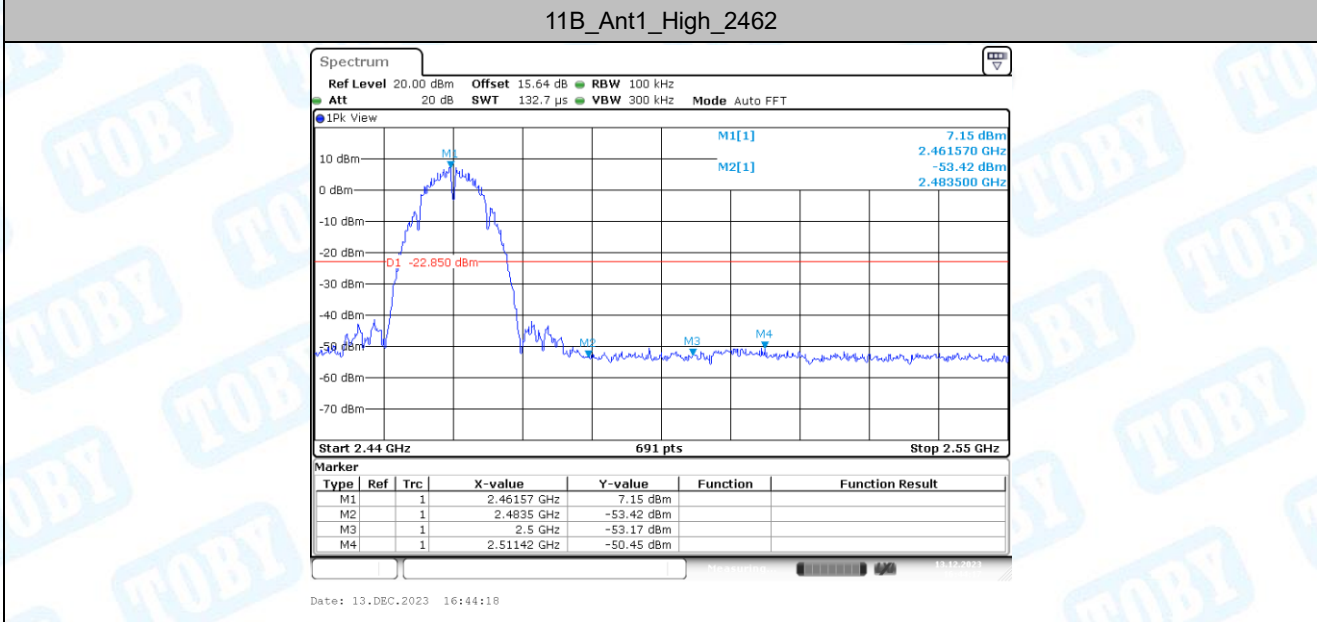
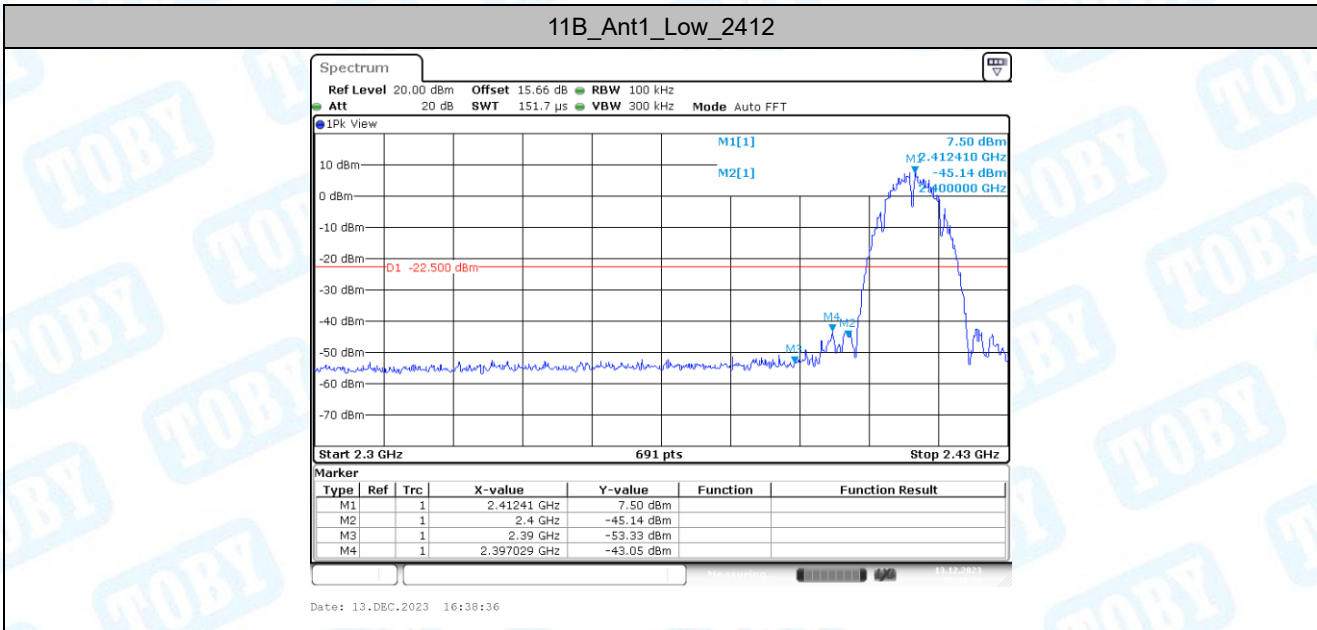


5. Band edge measurements

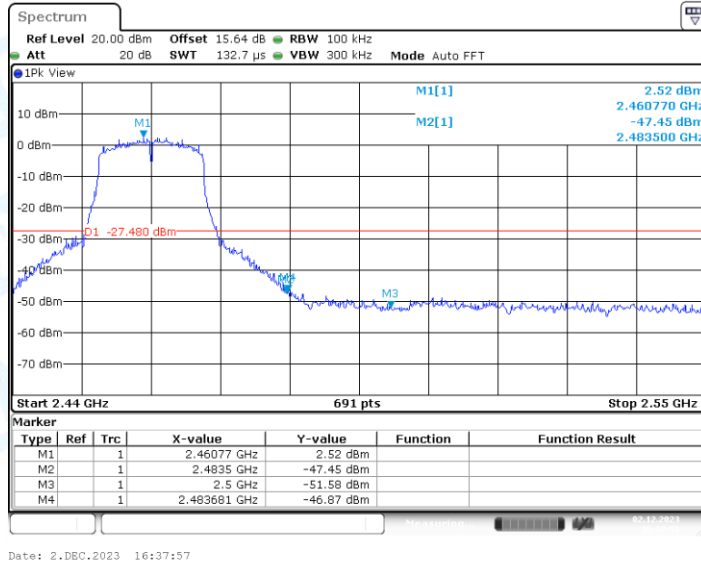
5.1. Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.50	-43.05	≤ -22.5	PASS
		High	2462	7.15	-50.45	≤ -22.85	PASS
11G	Ant1	Low	2412	2.91	-31.95	≤ -27.09	PASS
		High	2462	2.52	-46.87	≤ -27.48	PASS
11N20SISO	Ant1	Low	2412	3.73	-31.75	≤ -26.27	PASS
		High	2462	2.65	-43.62	≤ -27.35	PASS
11N40SISO	Ant1	Low	2422	-0.22	-37.41	≤ -30.22	PASS
		High	2452	-0.12	-41.47	≤ -30.12	PASS

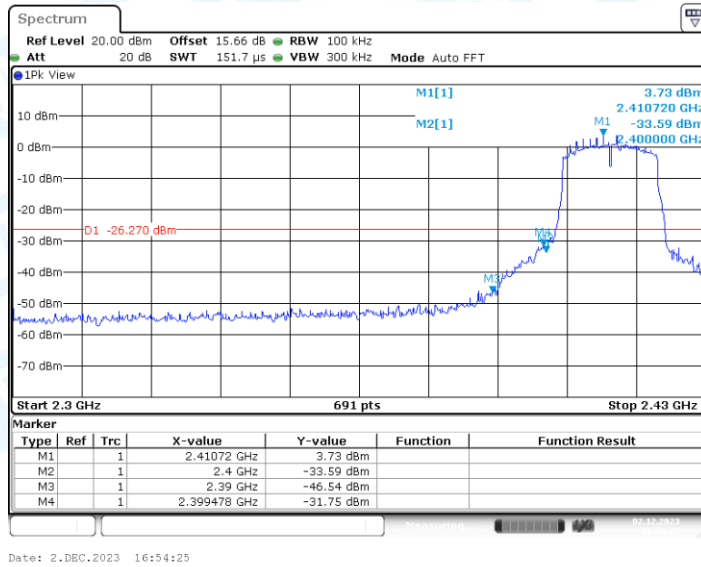
5.2. Test Graphs



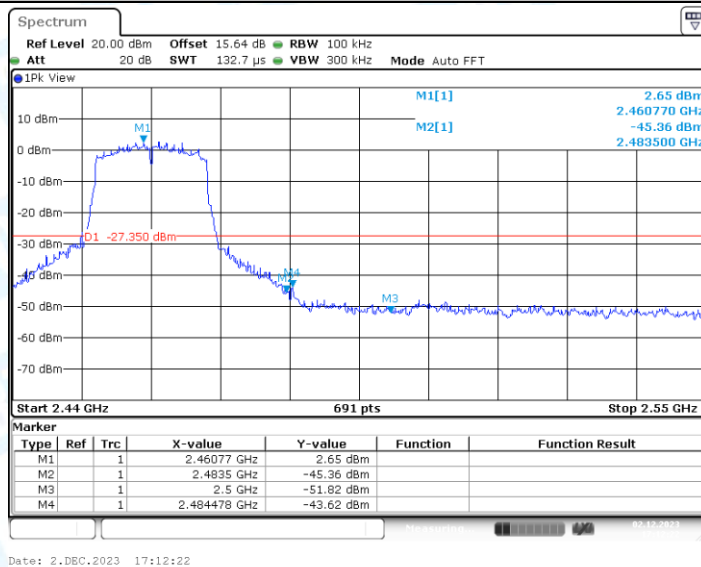
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422