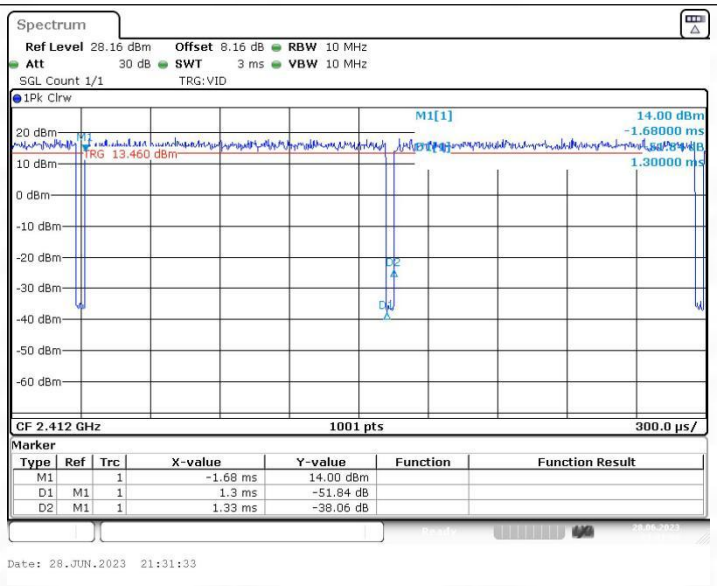
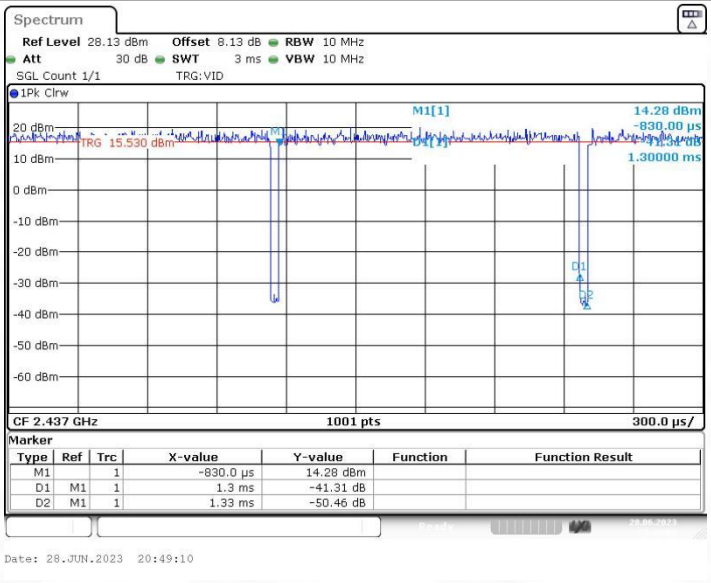


11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

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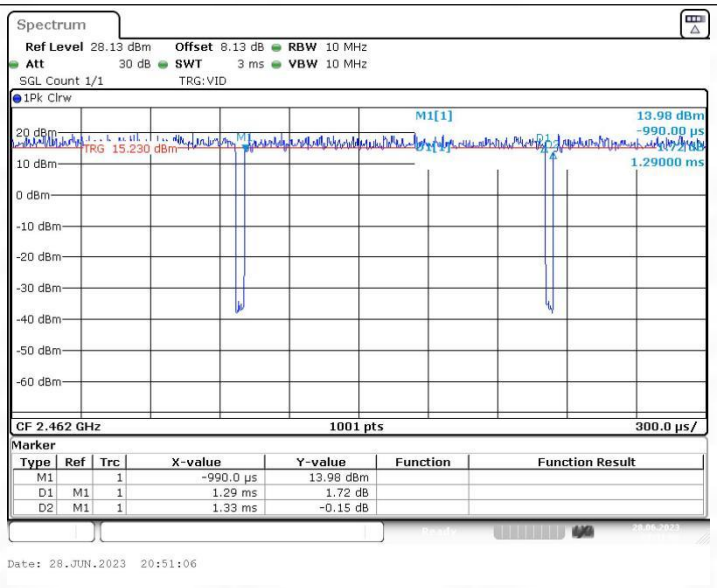

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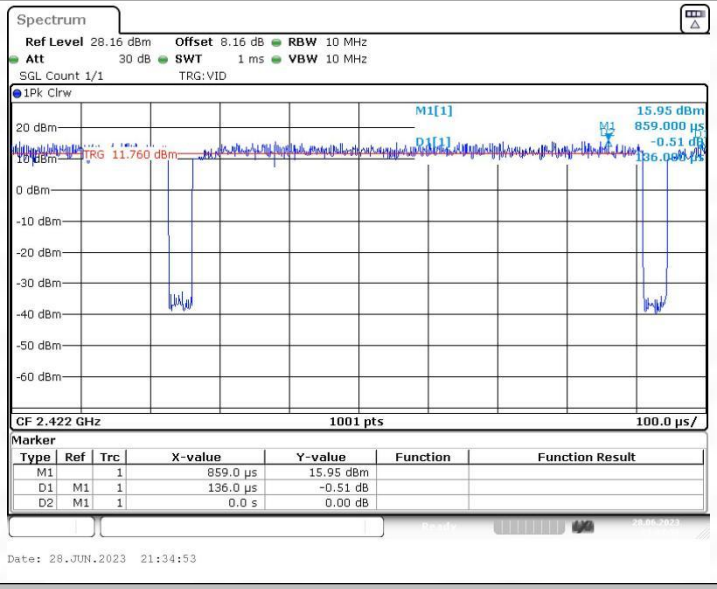

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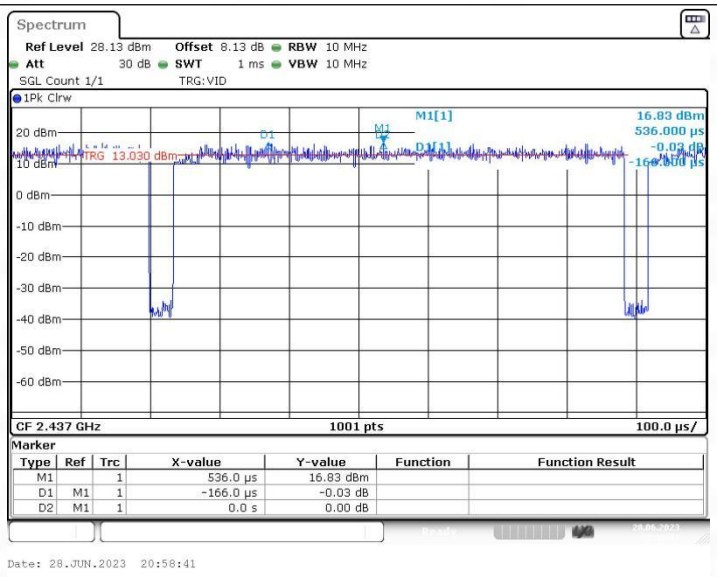

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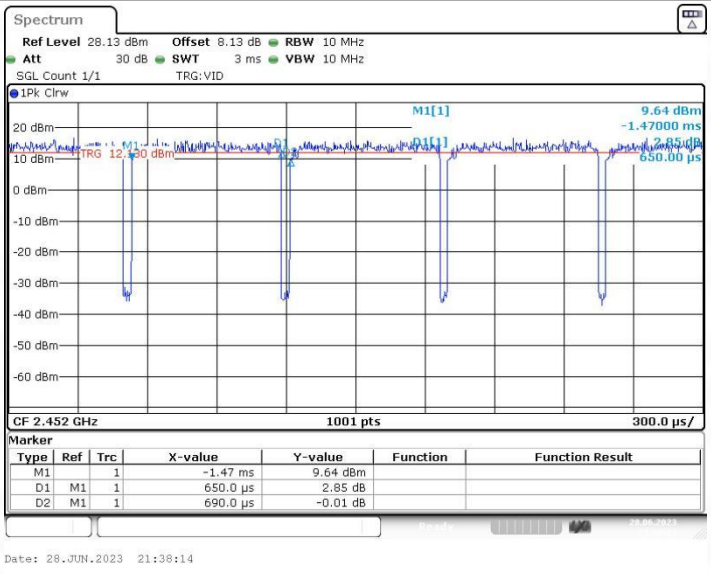

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2. Bandwidth

2.1 OBW

2.1.1 Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.428	2405.8861	2418.3137	---	---
		2437	13.067	2430.6064	2443.6733	---	---
		2462	13.506	2455.2468	2468.7532	---	---
11G	Ant1	2412	17.143	2403.3287	2420.4715	---	---
		2437	16.943	2428.5285	2445.4715	---	---
		2462	17.063	2453.4885	2470.5514	---	---
11N20SISO	Ant1	2412	17.862	2402.9690	2420.8312	---	---
		2437	18.062	2428.0090	2446.0709	---	---
		2462	18.142	2452.9690	2471.1109	---	---
11N40SISO	Ant1	2422	36.044	2404.2577	2440.3017	---	---
		2437	35.804	2418.8581	2454.6623	---	---
		2452	36.523	2433.8581	2470.3816	---	---

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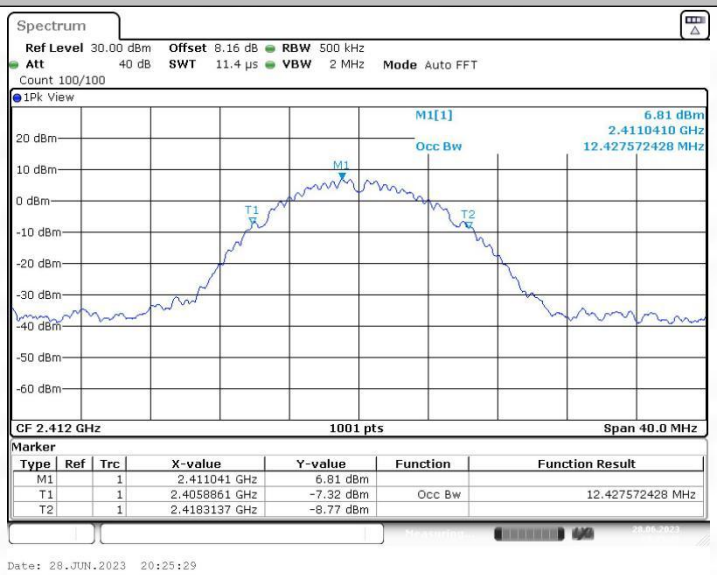
2.1.2 Test Graph

11B_Ant1_2412



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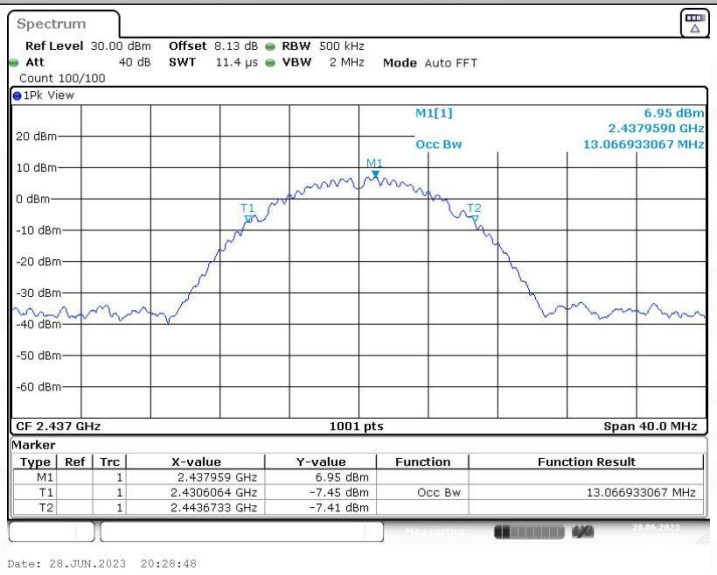
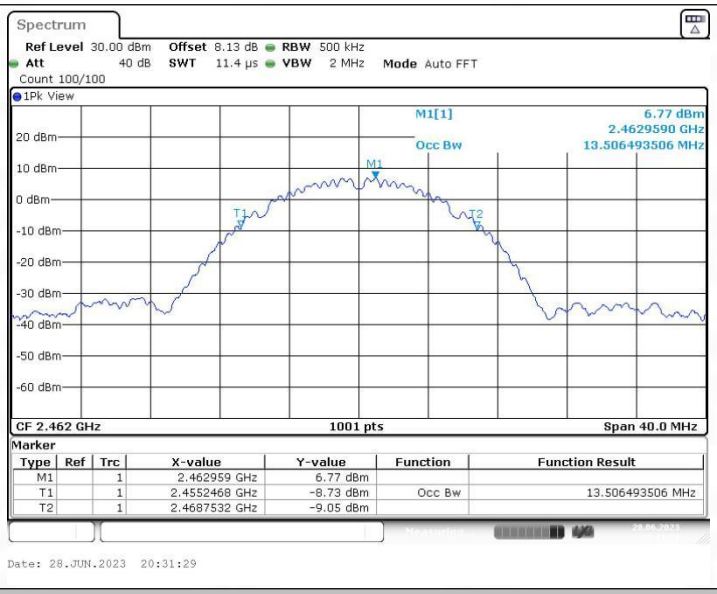


11B_Ant1_2462



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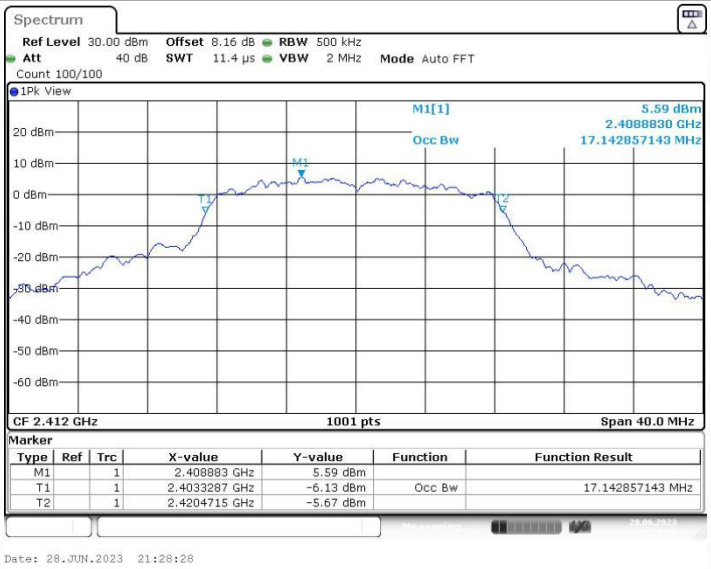

11G_Ant1_2437

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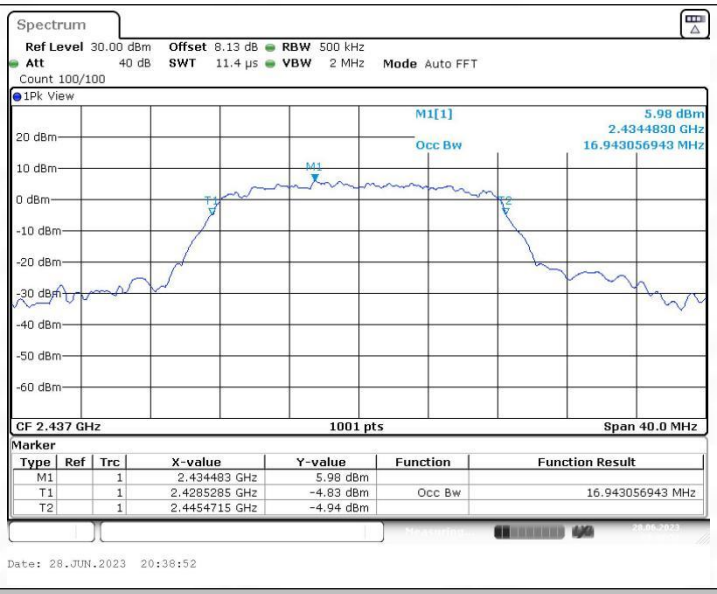

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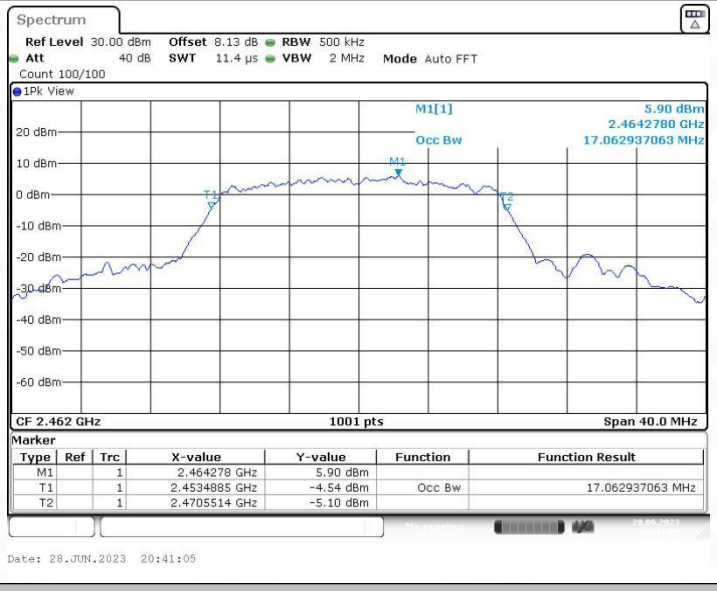

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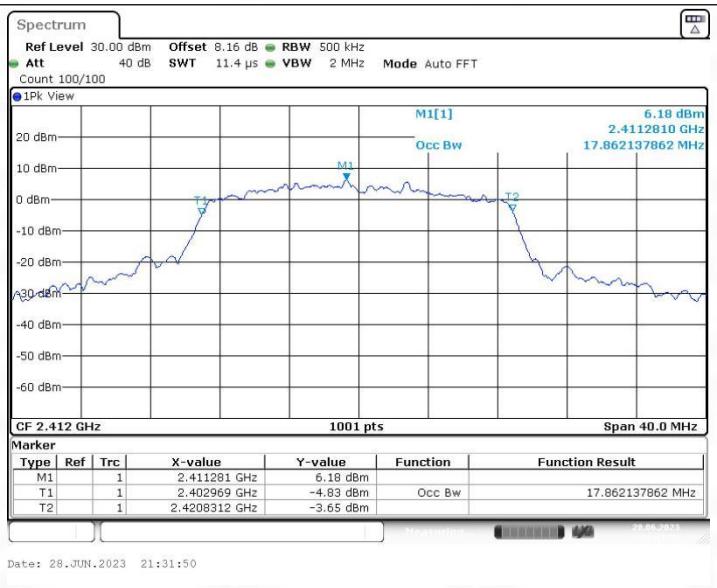

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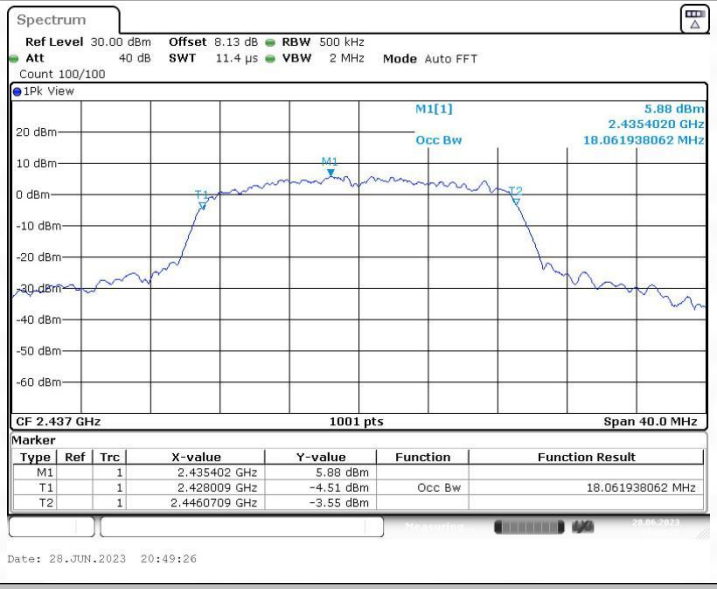

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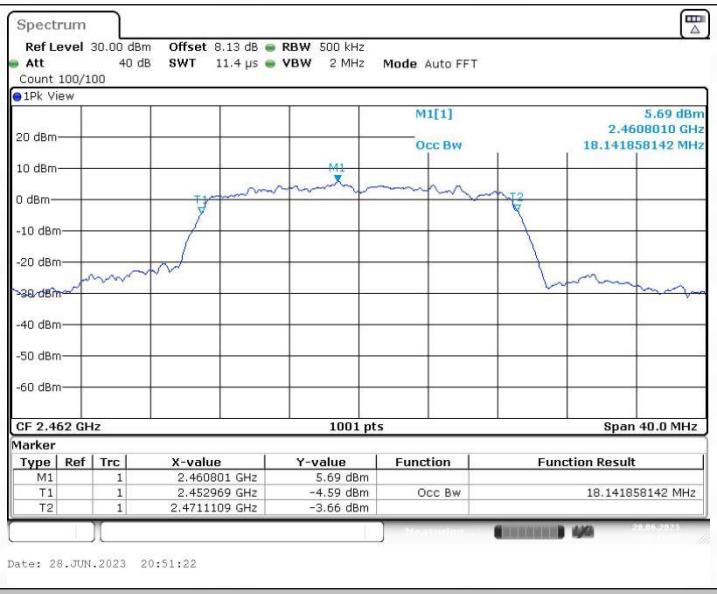

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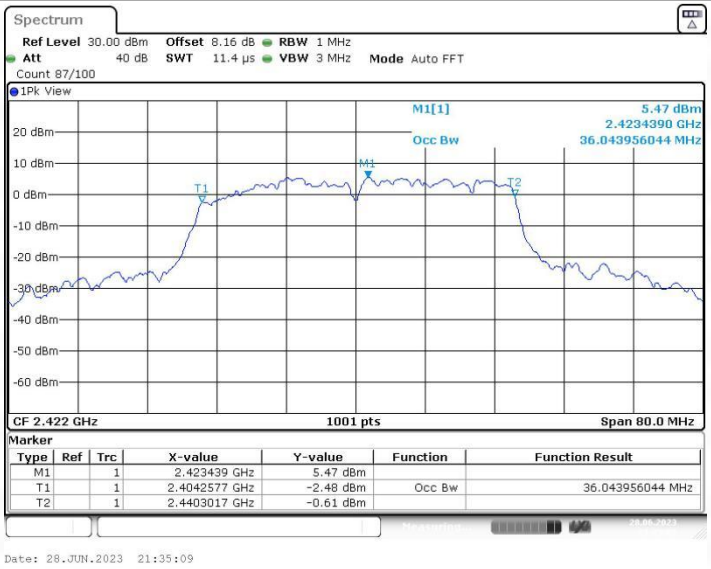

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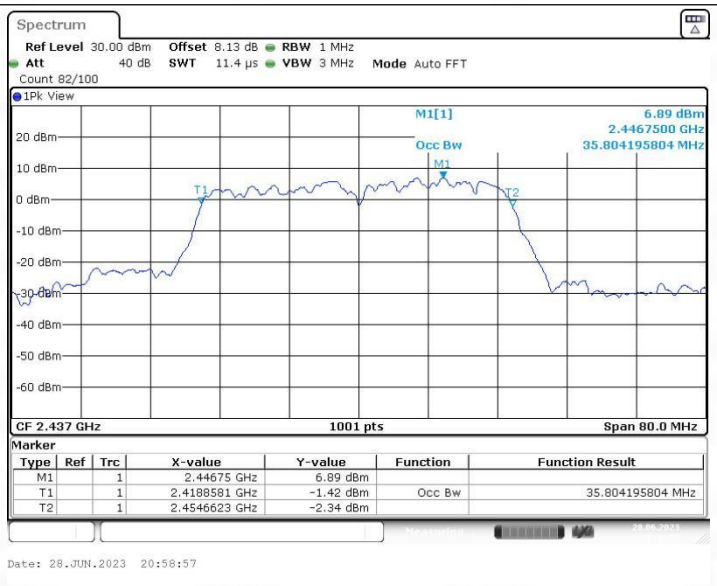

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2.2 6dB BW

2.2.1 Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.08	2408.44	2415.52	0.5	PASS
		2437	8.08	2433.44	2441.52	0.5	PASS
		2462	9.04	2457.48	2466.52	0.5	PASS
11G	Ant1	2412	16.32	2403.84	2420.16	0.5	PASS
		2437	13.88	2429.44	2443.32	0.5	PASS
		2462	15.28	2454.48	2469.76	0.5	PASS
11N20SISO	Ant1	2412	17.16	2403.24	2420.40	0.5	PASS
		2437	13.84	2430.68	2444.52	0.5	PASS
		2462	15.08	2454.44	2469.52	0.5	PASS
11N40SISO	Ant1	2422	34.48	2405.68	2440.16	0.5	PASS
		2437	35.12	2419.40	2454.52	0.5	PASS
		2452	25.04	2444.48	2469.52	0.5	PASS

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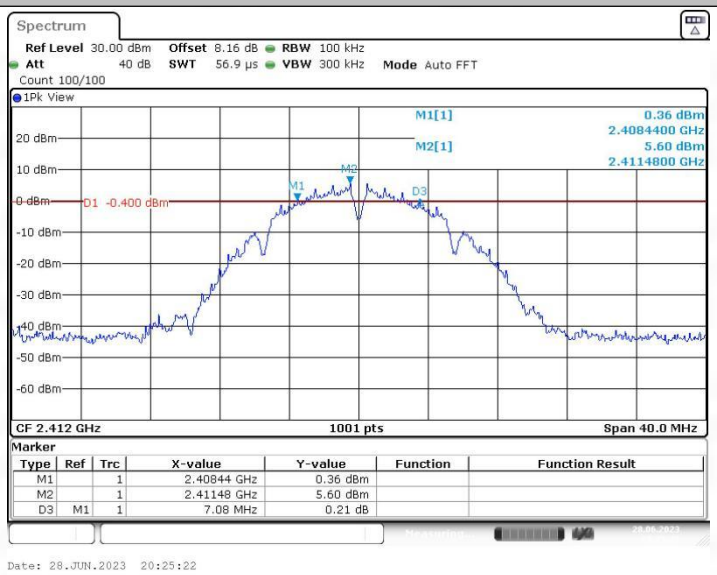
2.2.2 Test Graph

11B_Ant1_2412



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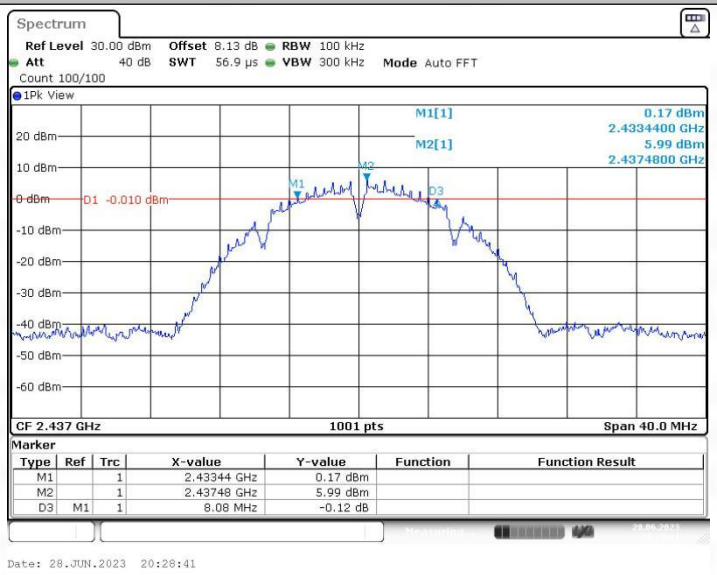

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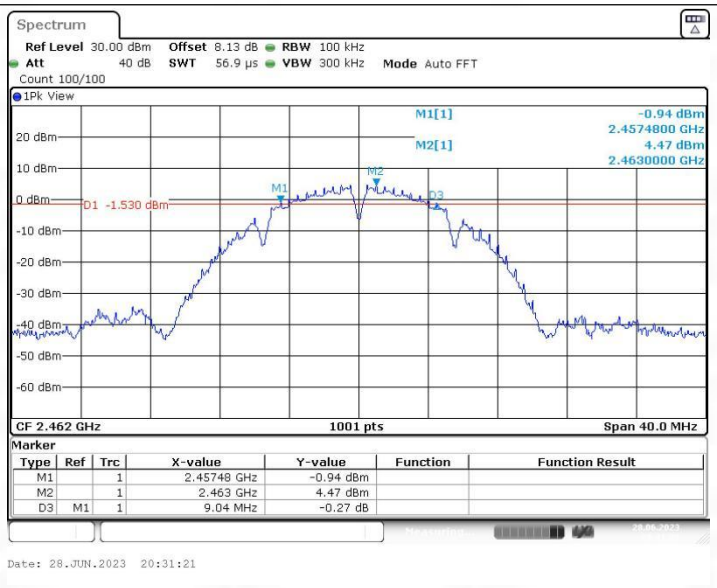

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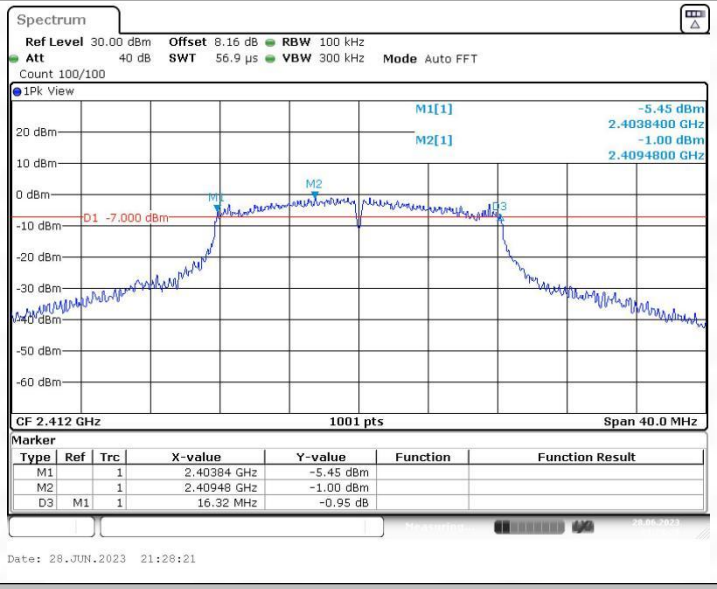

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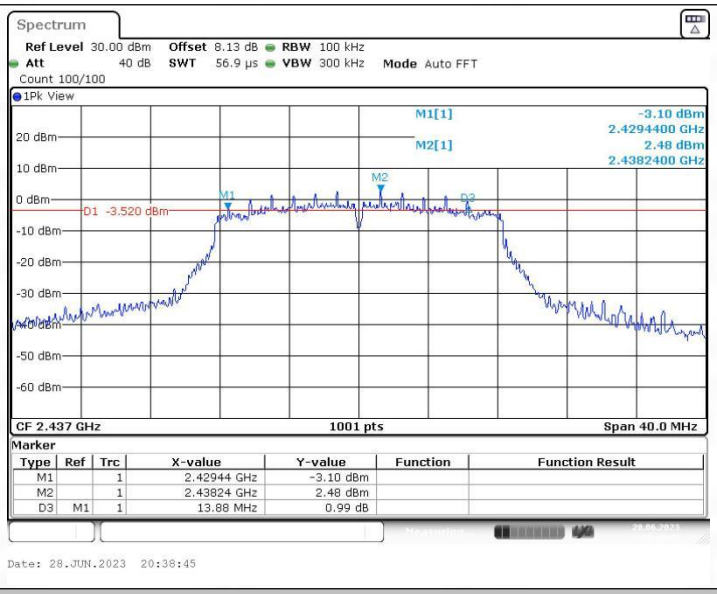

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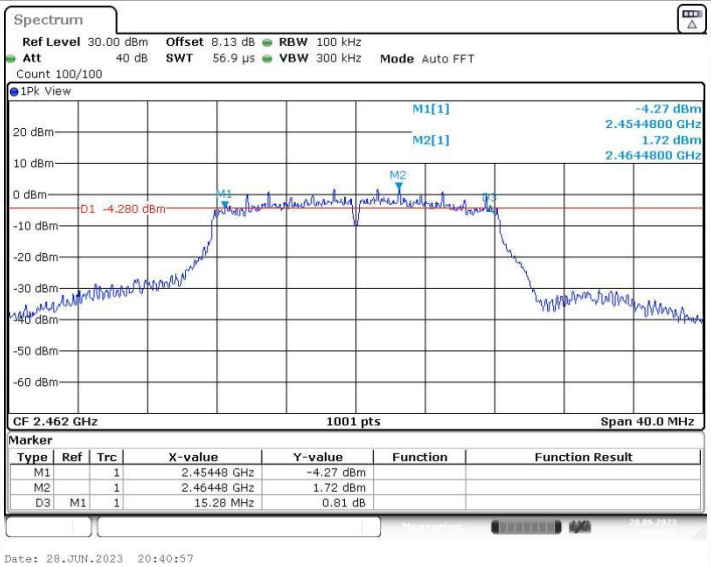

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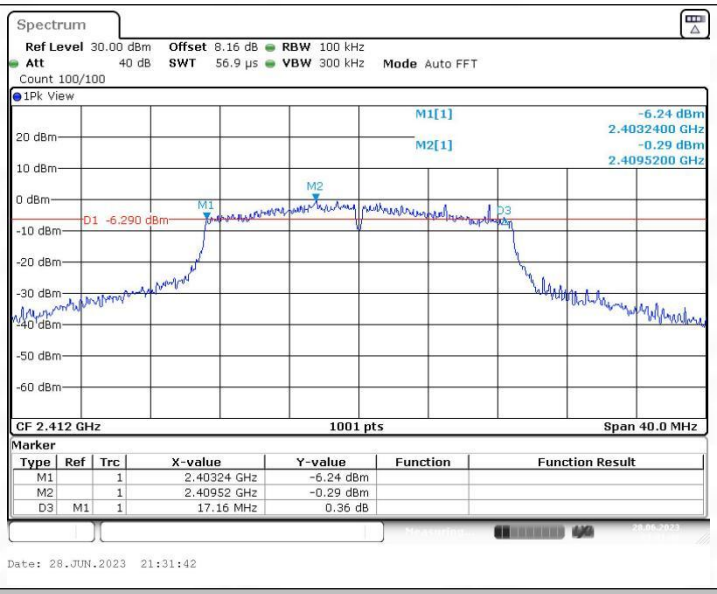

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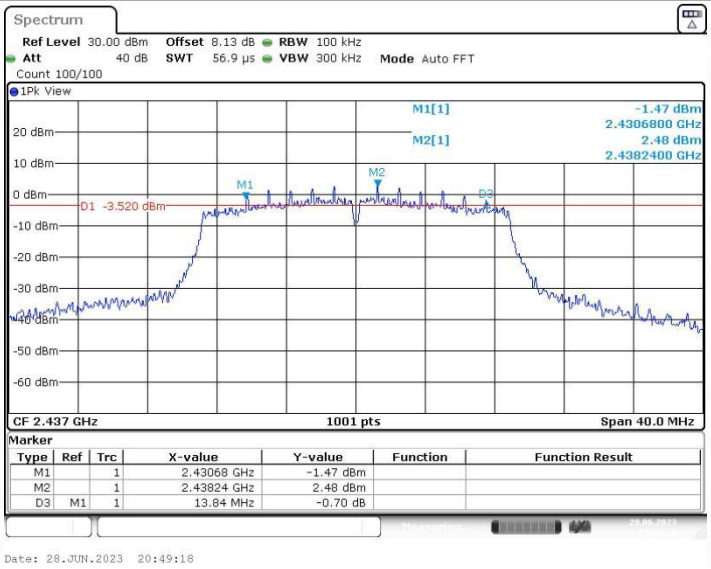

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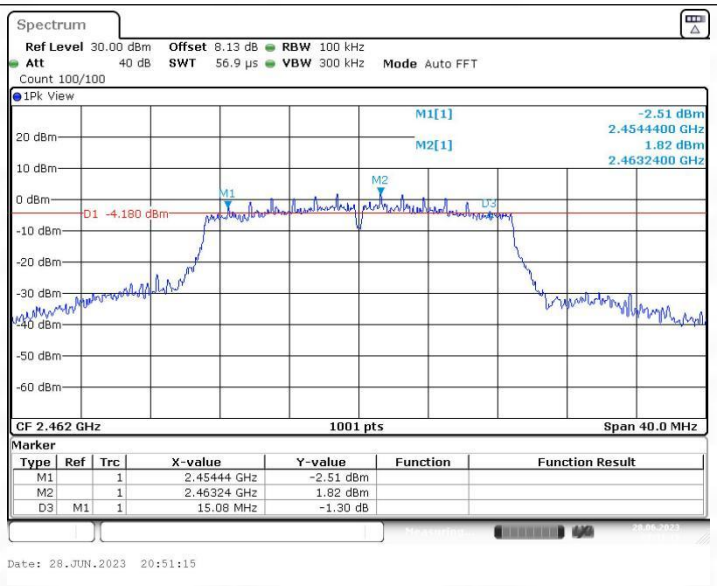

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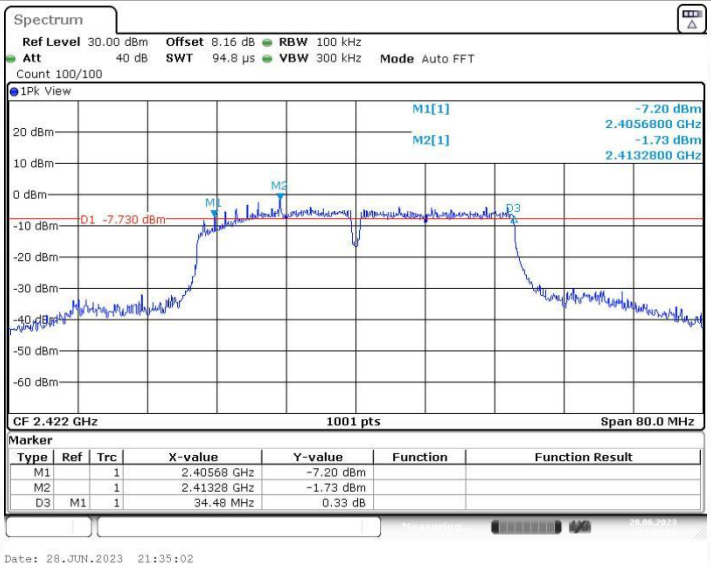

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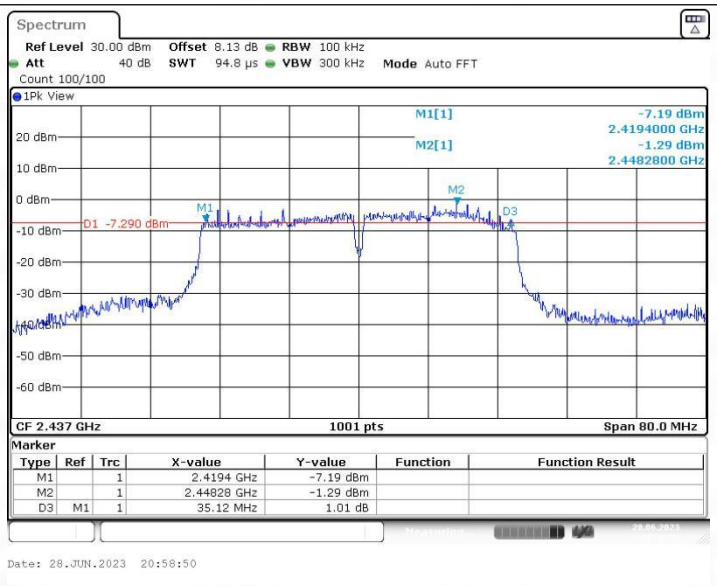

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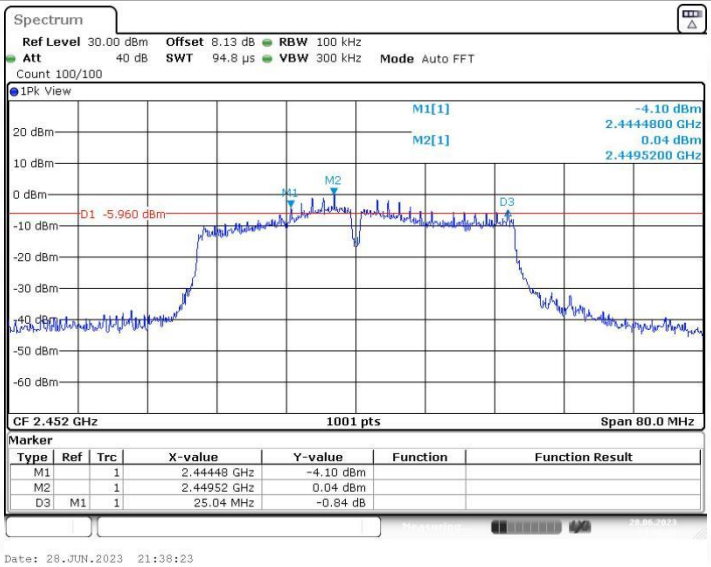

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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Test Mode	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]
11B	2412	13.95	99.53	0.02	13.97	≤30.00
	2437	14.54	99.64	0.02	14.56	≤30.00
	2462	14.75	99.64	0.02	**14.77**	≤30.00
11G	2412	12.06	97.90	0.09	12.15	≤30.00
	2437	12.88	97.20	0.12	13.00	≤30.00
	2462	12.70	97.20	0.12	12.82	≤30.00
11N20SISO	2412	11.97	97.74	0.10	12.07	≤30.00
	2437	12.79	97.74	0.10	12.89	≤30.00
	2462	12.64	96.99	0.13	12.77	≤30.00
11N40SISO	2422	12.43	95.59	0.20	12.63	≤30.00
	2437	12.83	94.20	0.26	13.09	≤30.00
	2452	11.16	94.20	0.26	11.42	≤30.00

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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

TestMode	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	-15.66	≤8.00	PASS
	2437	-15.74	≤8.00	PASS
	2462	-15.27	≤8.00	PASS
11G	2412	-19.61	≤8.00	PASS
	2437	-19.22	≤8.00	PASS
	2462	-19.23	≤8.00	PASS
11N20SISO	2412	-19.77	≤8.00	PASS
	2437	-19.62	≤8.00	PASS
	2462	-18.75	≤8.00	PASS
11N40SISO	2422	-21.16	≤8.00	PASS
	2437	-19.9	≤8.00	PASS
	2452	-21.7	≤8.00	PASS

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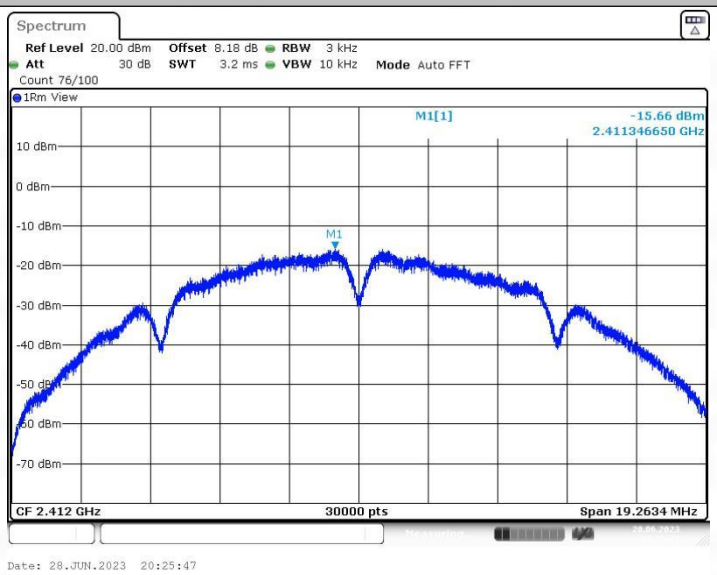
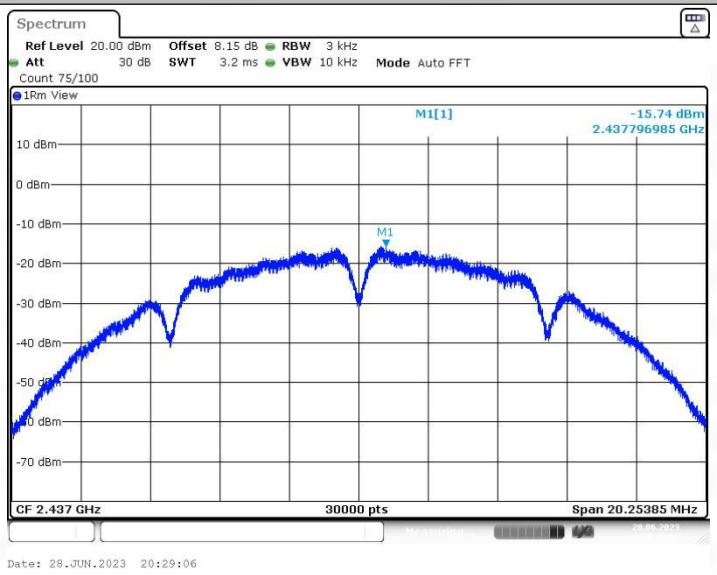
4.1.2 Test Graph

11B_Ant1_2412



11B_Ant1_2437



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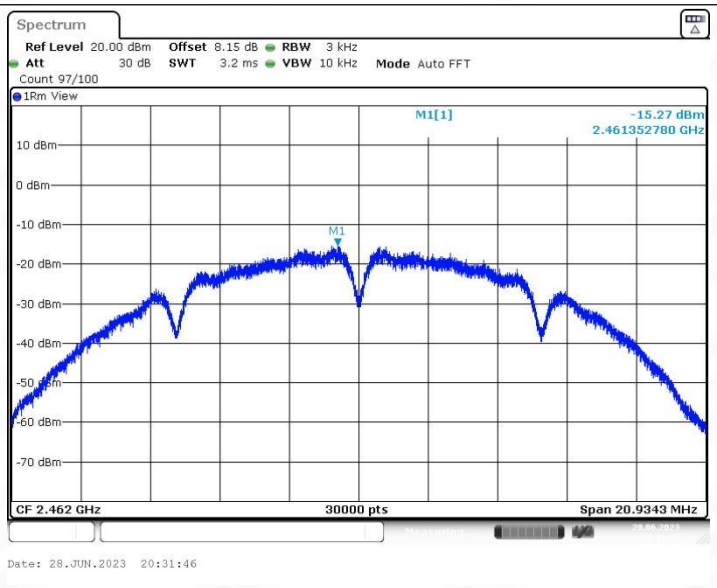

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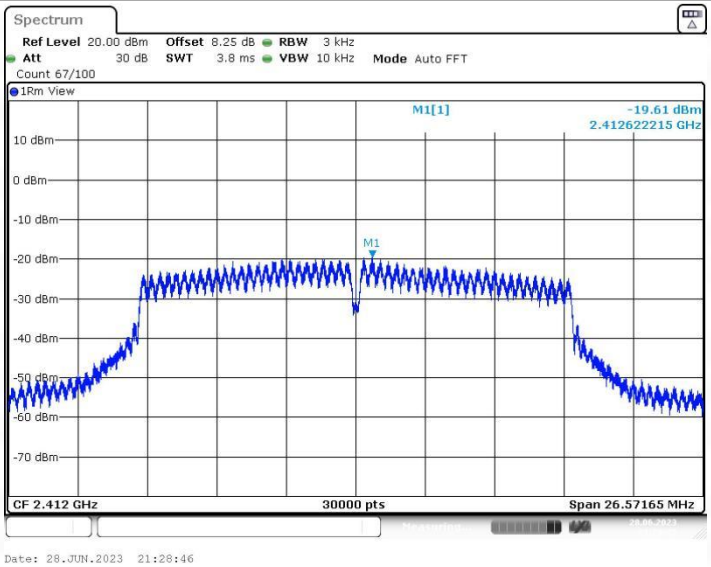

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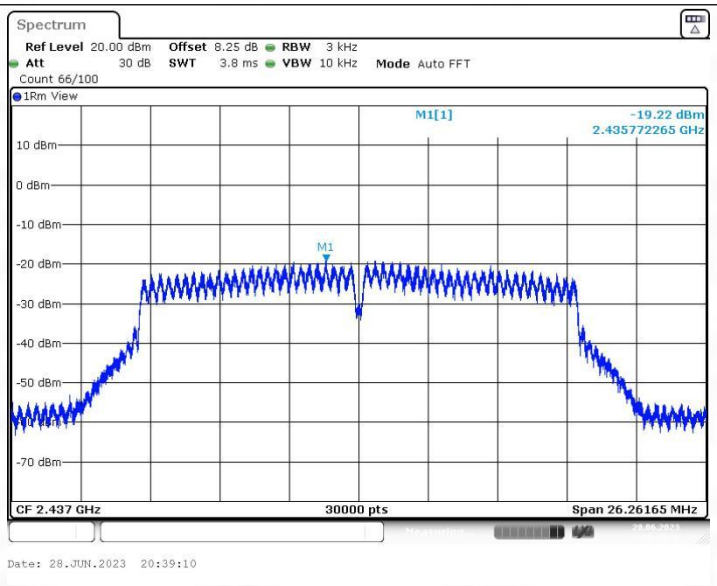

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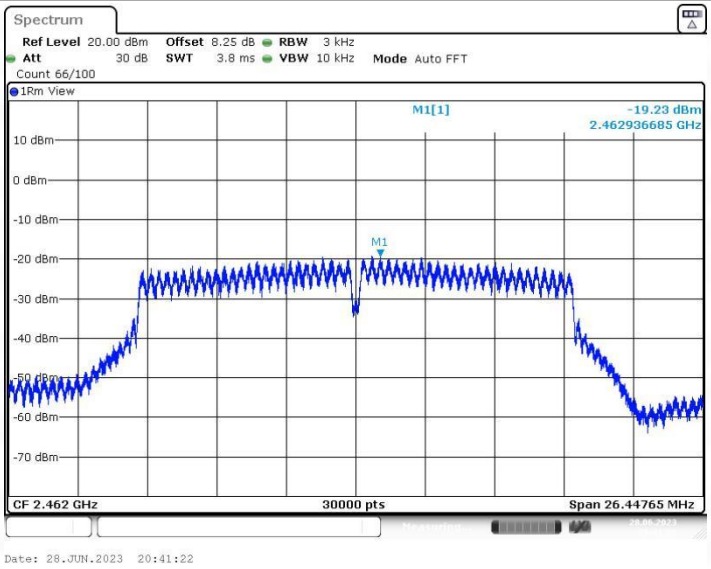

11N20SISO_Ant1_2412

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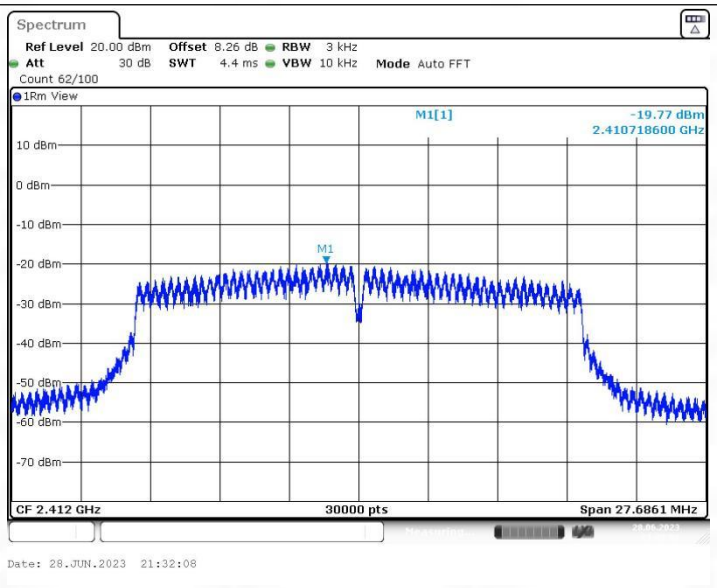

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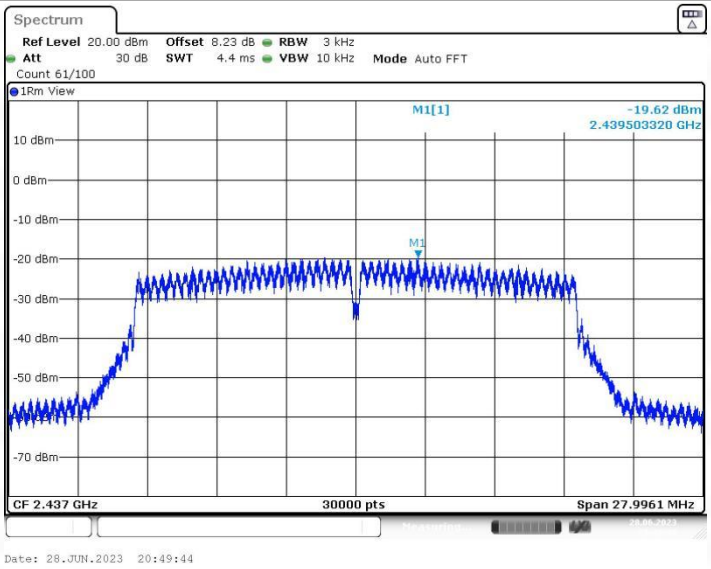

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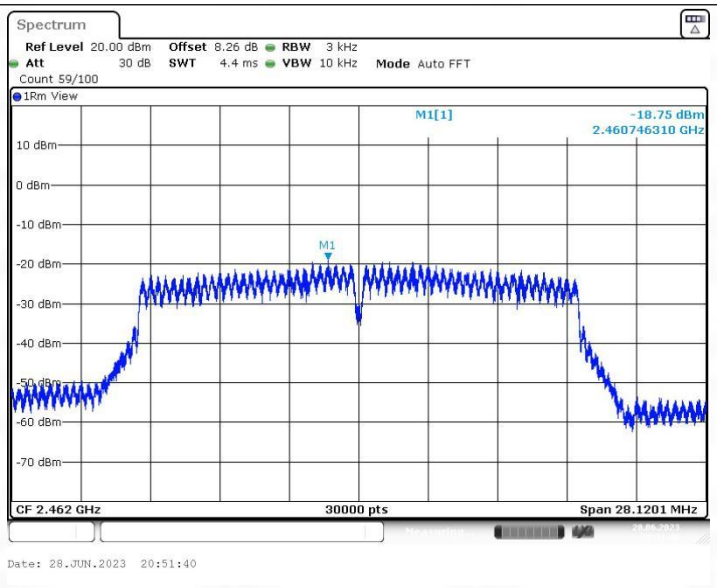

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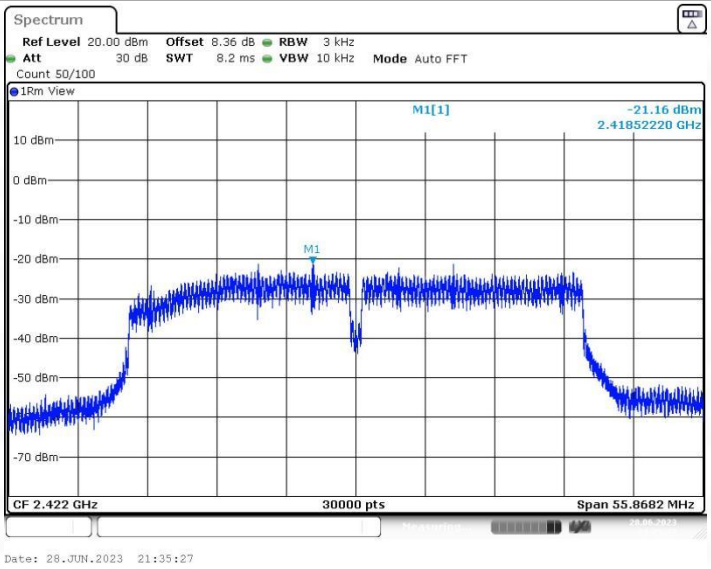

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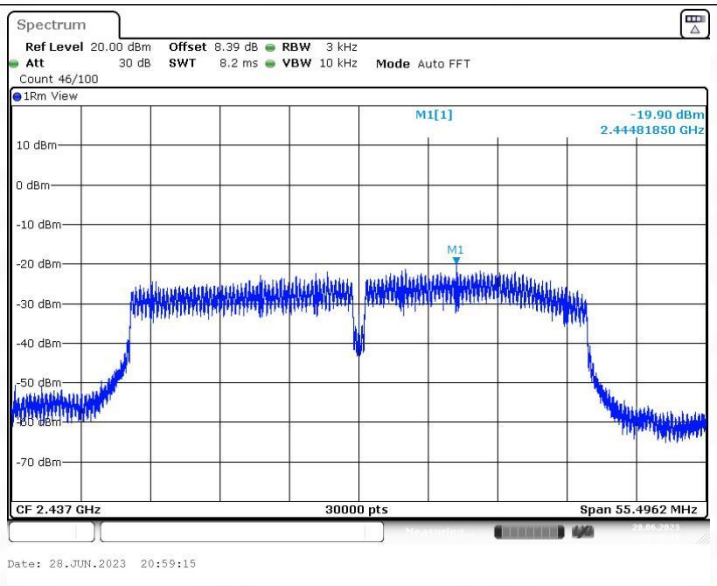

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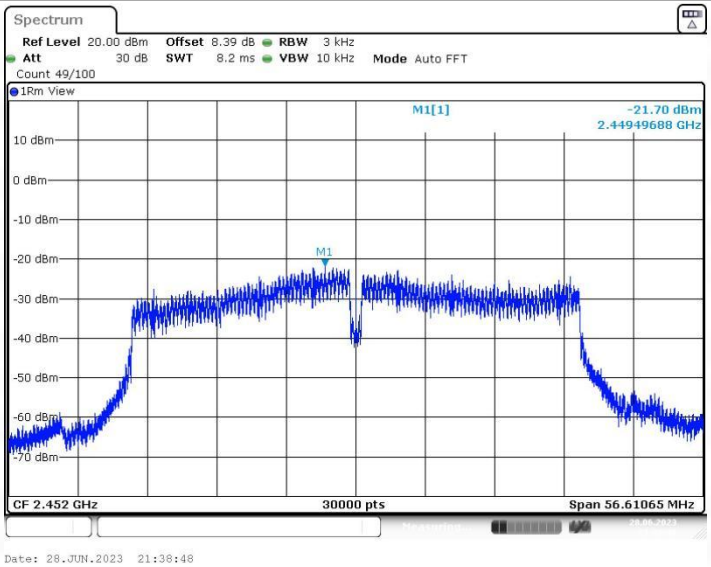

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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2411.49	6.81
		2437	2437.49	6.75
		2462	2463.00	6.49
11G	Ant1	2412	2413.24	1.53
		2437	2438.27	1.93
		2462	2463.26	2.27
11N20SISO	Ant1	2412	2410.73	2.07
		2437	2438.26	2.51
		2462	2463.24	2.21
11N40SISO	Ant1	2422	2416.99	-0.79
		2437	2448.28	-0.28
		2452	2449.50	0.16

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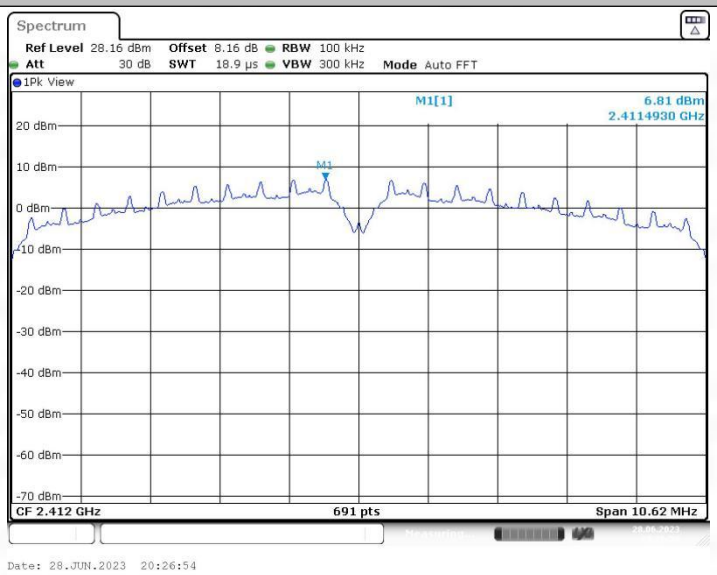
5.1.2 Test Graph

11B_Ant1_2412

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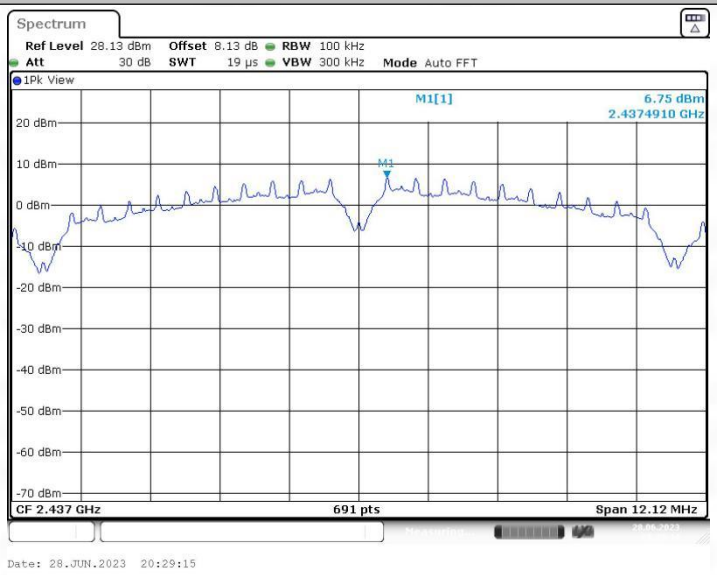
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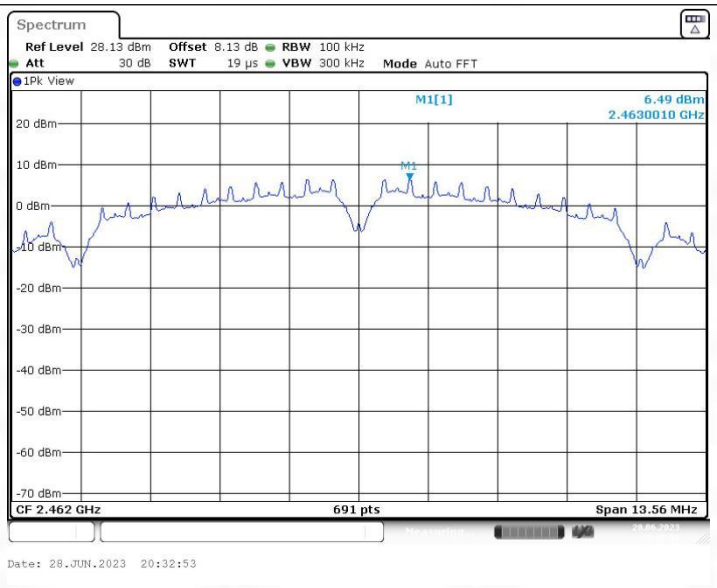

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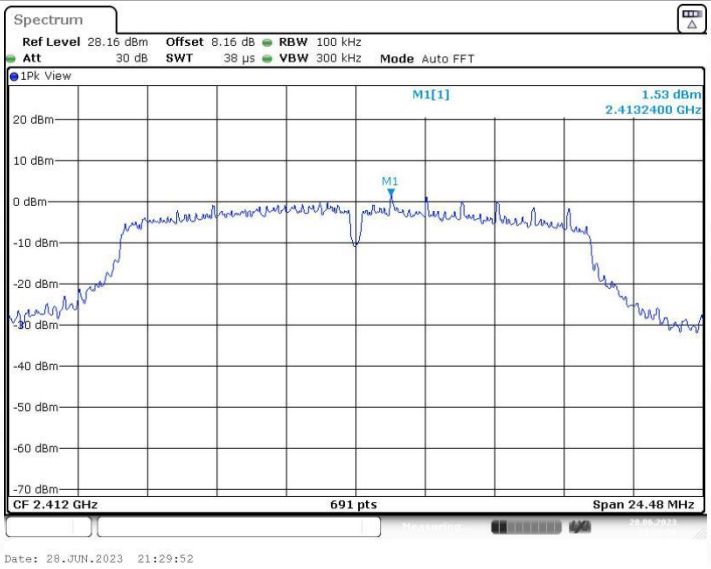

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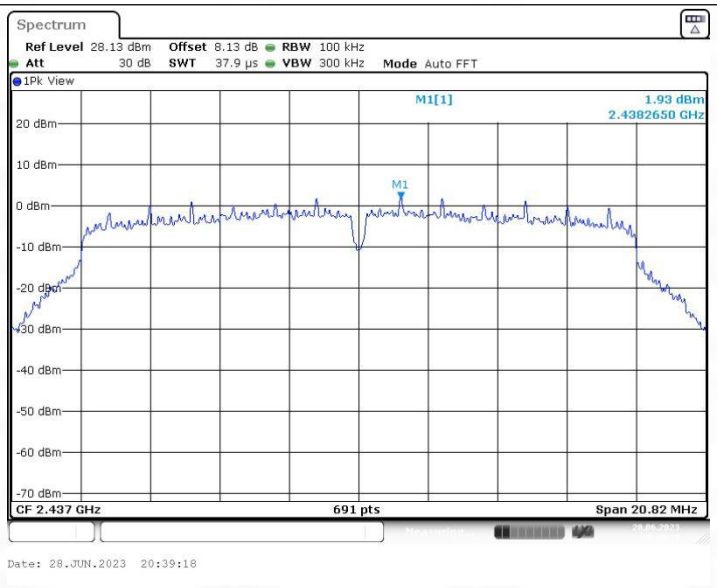

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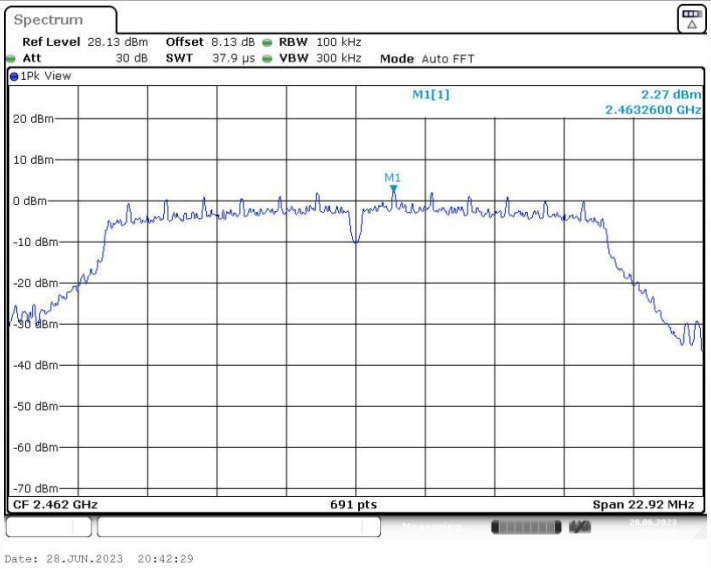

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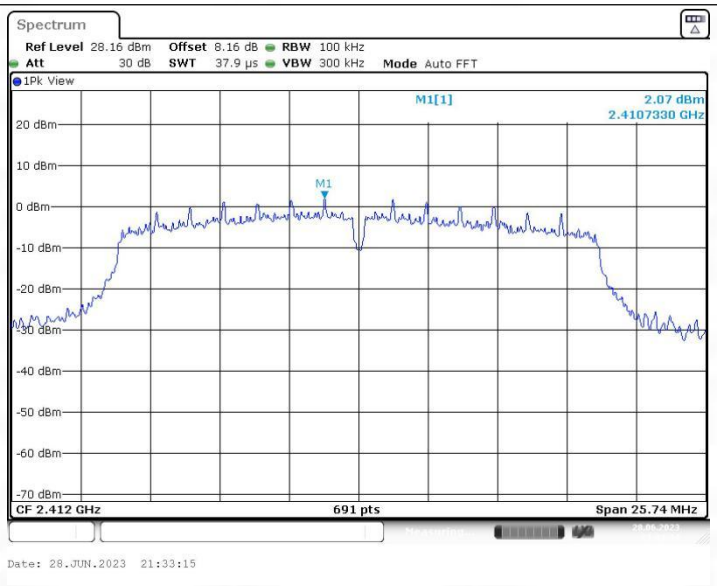

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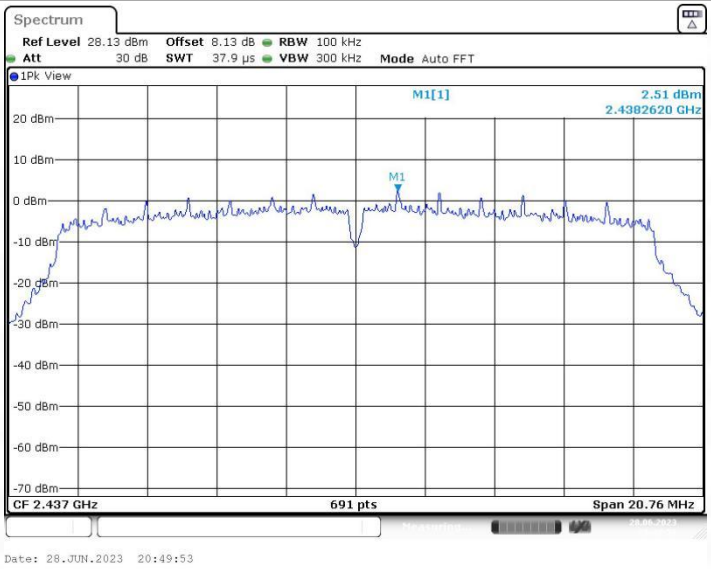

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