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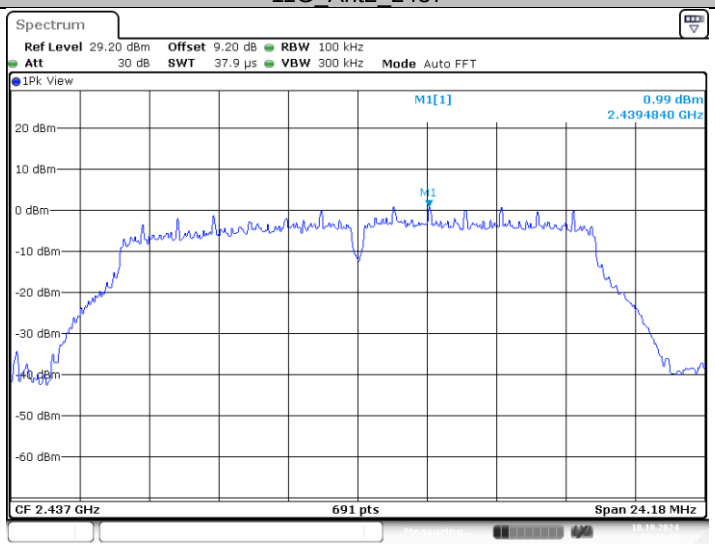

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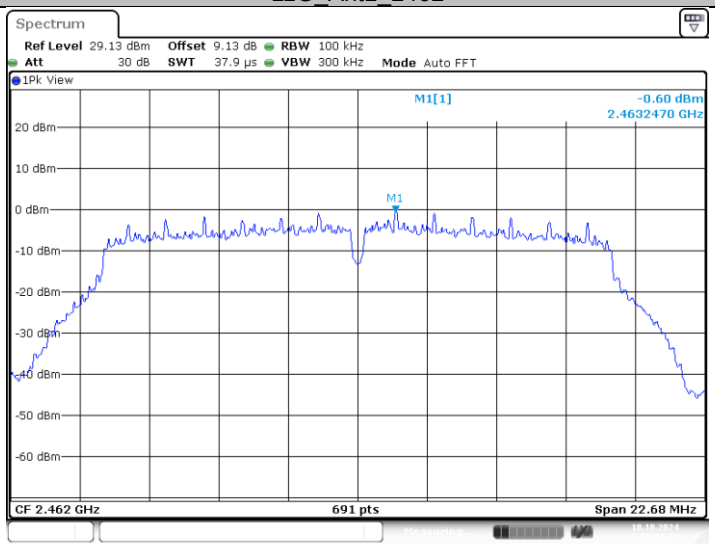

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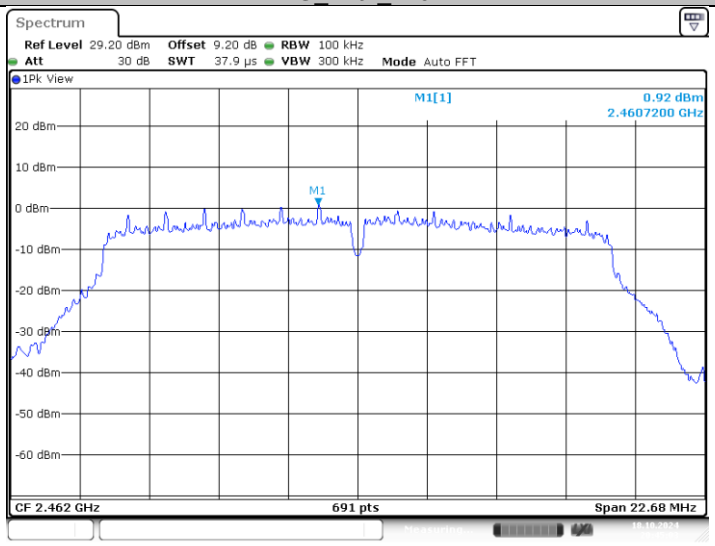

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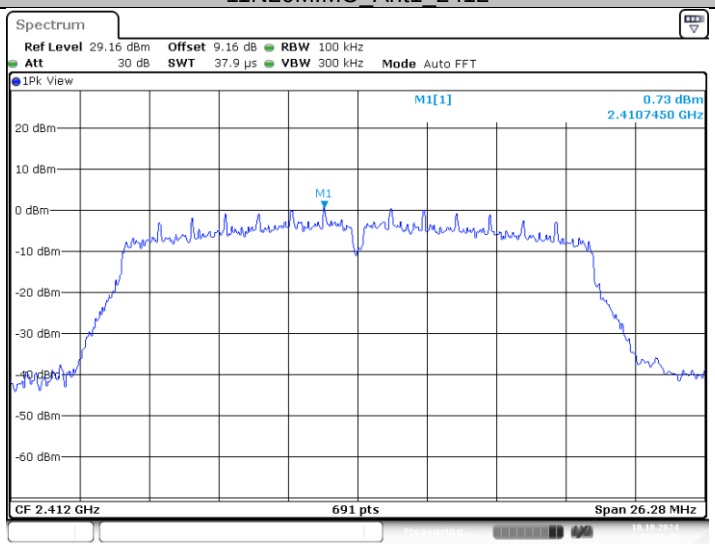

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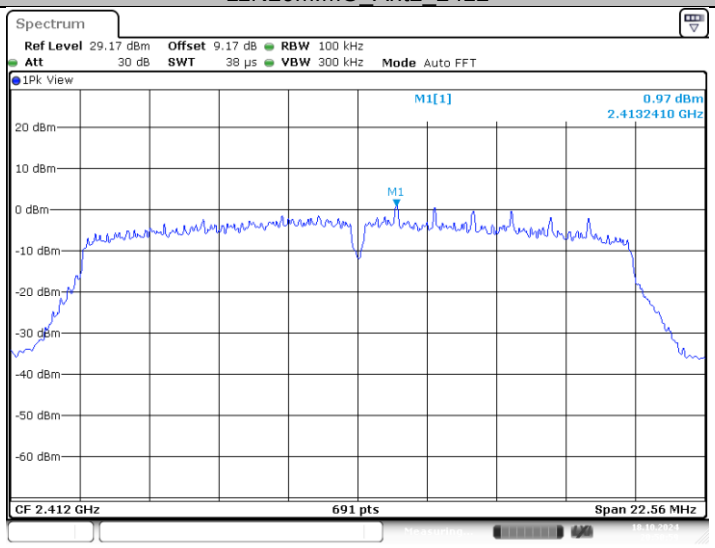

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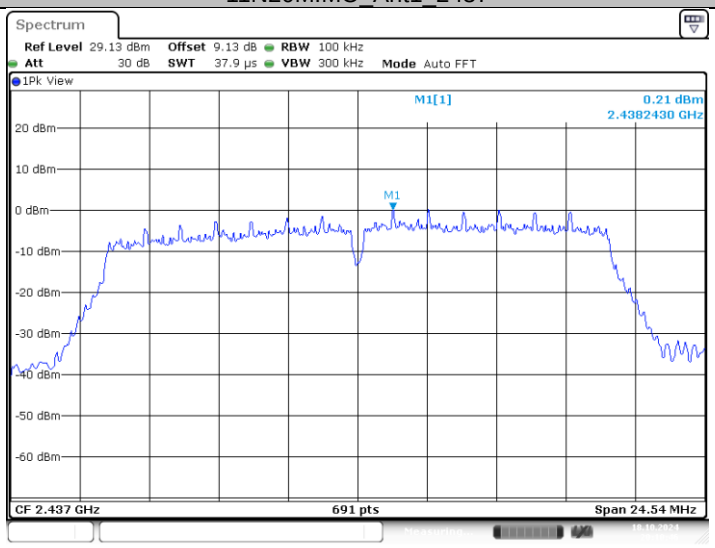

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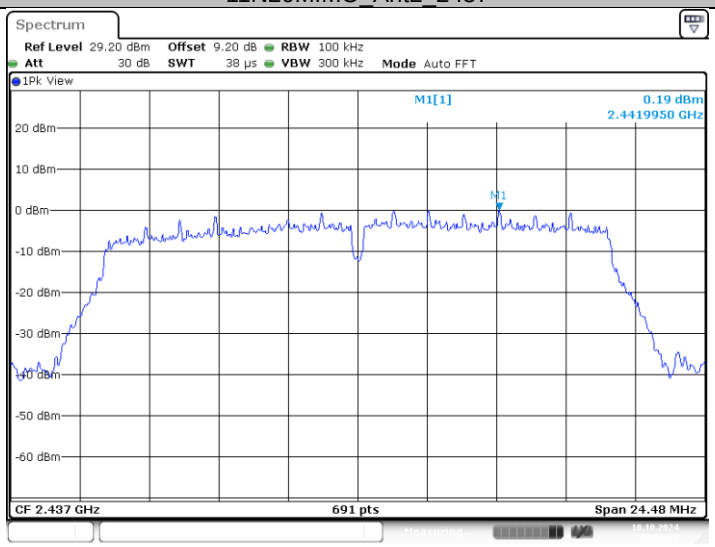

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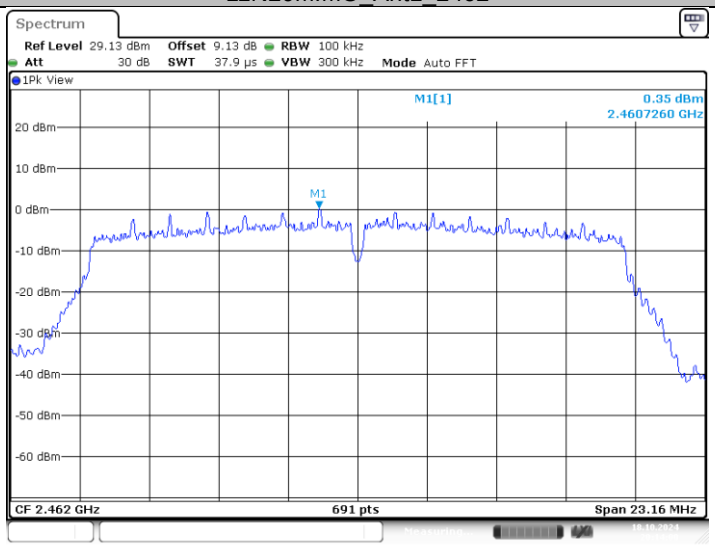

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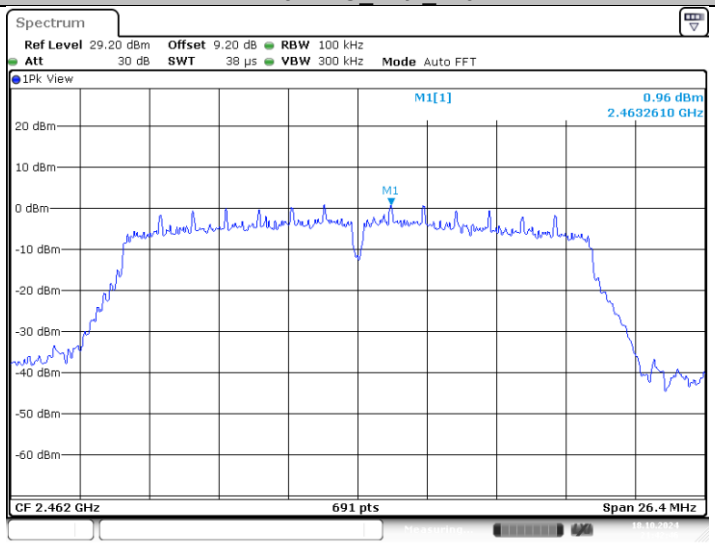

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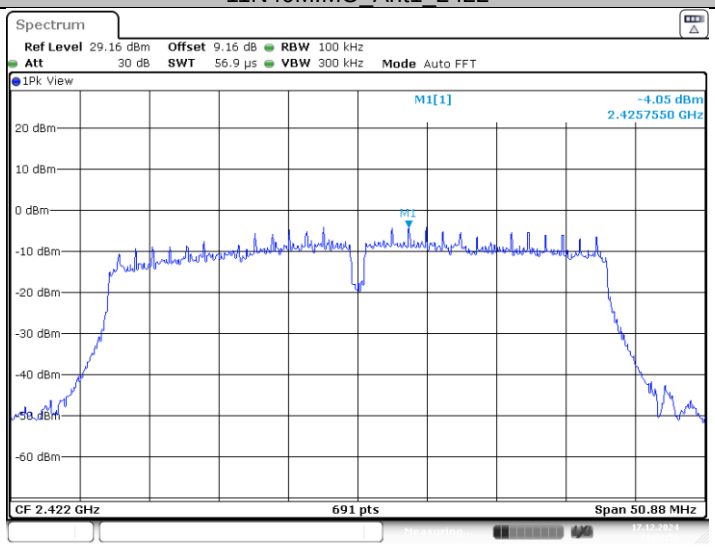

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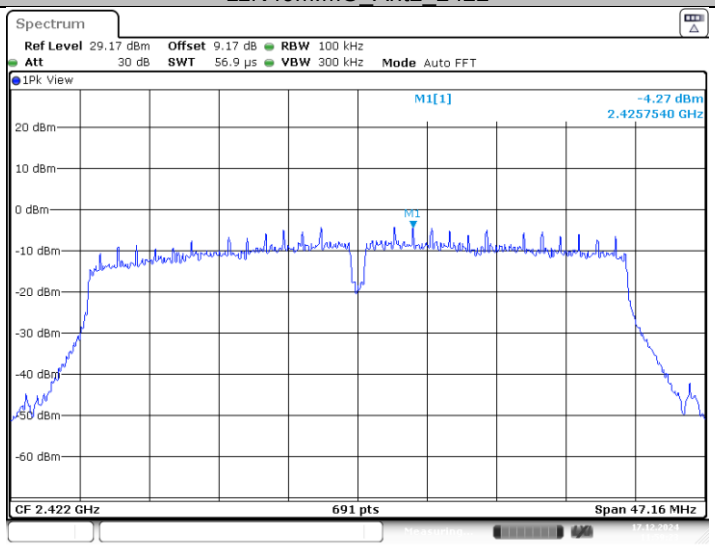

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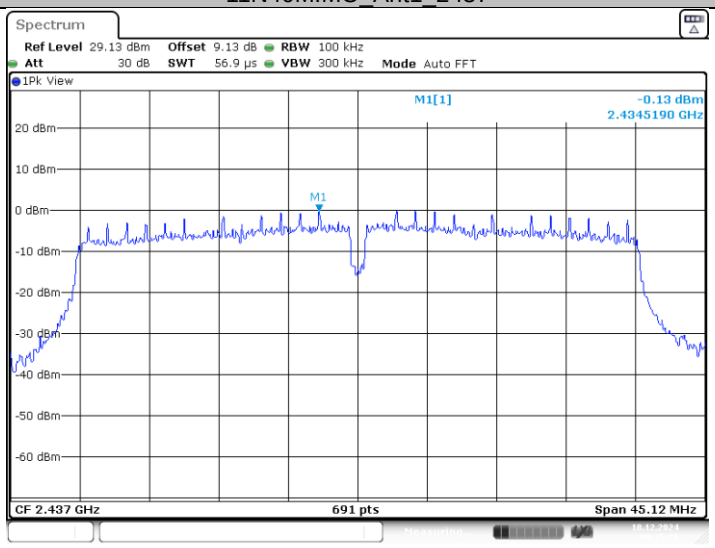

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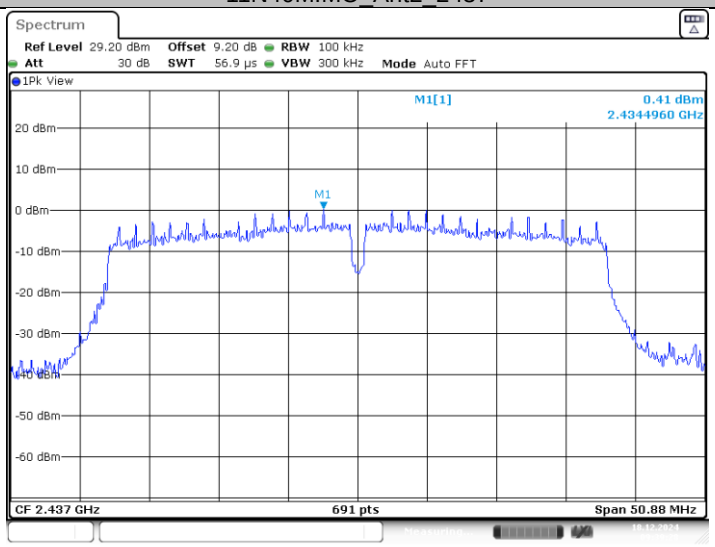

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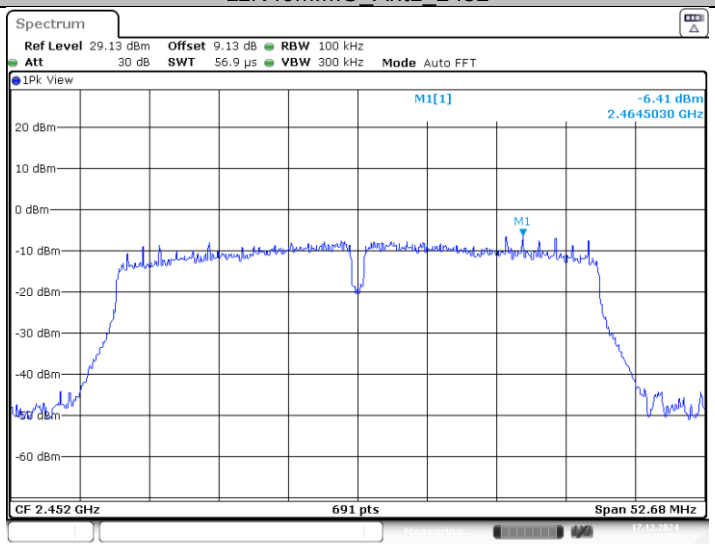

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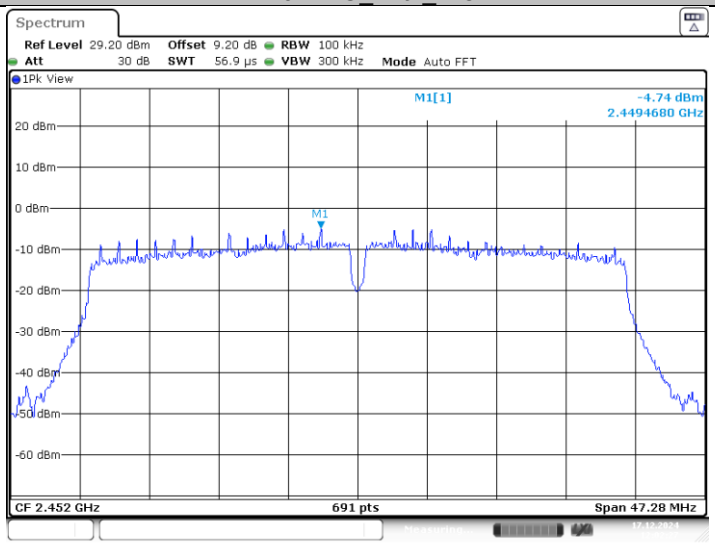

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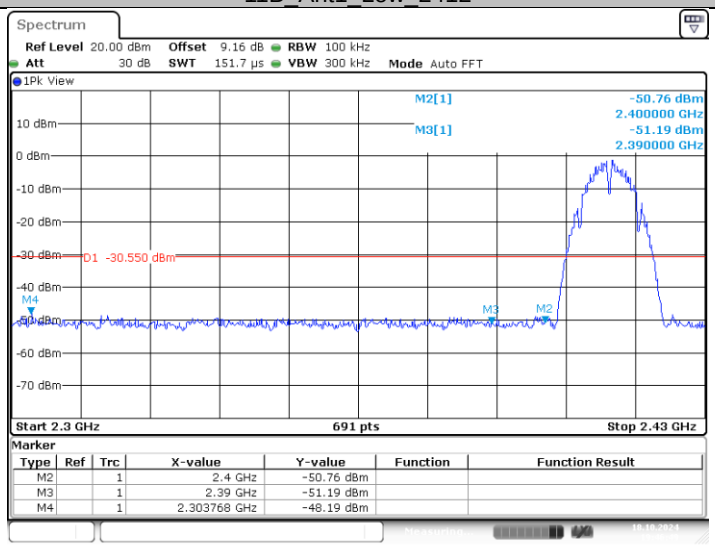
Note：

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a).
3. The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Band edge measurements

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-0.55	-48.19	≤-30.55	PASS
	Ant2	Low	2412	3.67	-47.72	≤-26.33	PASS
	Ant1	High	2462	0.86	-47.34	≤-29.14	PASS
	Ant2	High	2462	3.60	-47.82	≤-26.4	PASS
11G	Ant1	Low	2412	-0.50	-42.93	≤-30.5	PASS
	Ant2	Low	2412	0.79	-40.11	≤-29.21	PASS
	Ant1	High	2462	-0.60	-47.42	≤-30.6	PASS
	Ant2	High	2462	0.92	-47.89	≤-29.08	PASS
11N20MIMO	Ant1	Low	2412	0.73	-36.68	≤-29.27	PASS
	Ant2	Low	2412	0.97	-34.79	≤-29.03	PASS
	Ant1	High	2462	0.35	-48.07	≤-29.65	PASS
	Ant2	High	2462	0.96	-47.38	≤-29.04	PASS
11N40MIMO	Ant1	Low	2422	-4.05	-44.76	≤-34.05	PASS
	Ant2	Low	2422	-4.27	-46.59	≤-34.27	PASS
	Ant1	High	2452	-6.41	-47.47	≤-36.41	PASS
	Ant2	High	2452	-4.74	-47.72	≤-34.74	PASS

11B_Ant1_Low_2412



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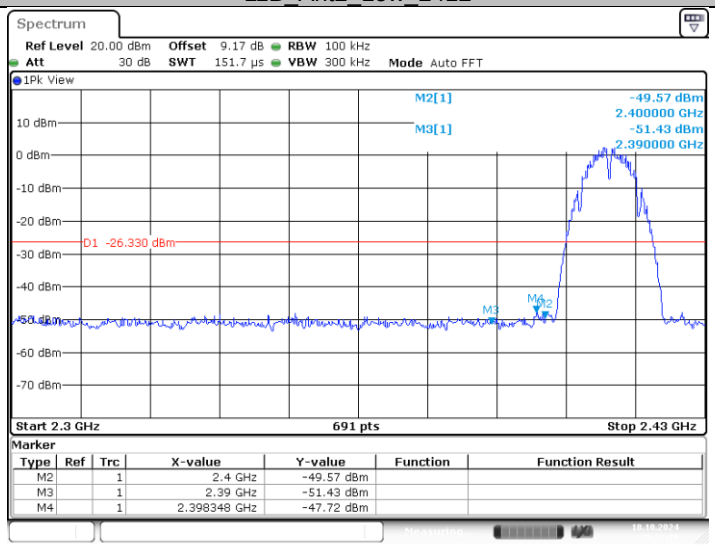

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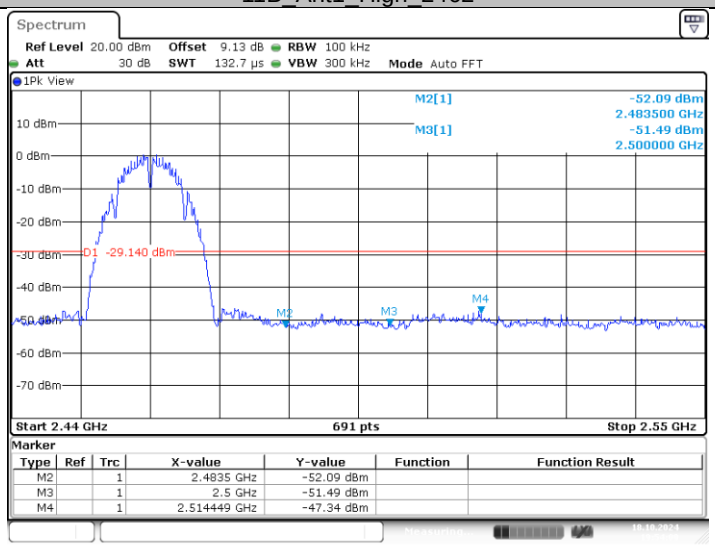
11B_Ant1_High_2462



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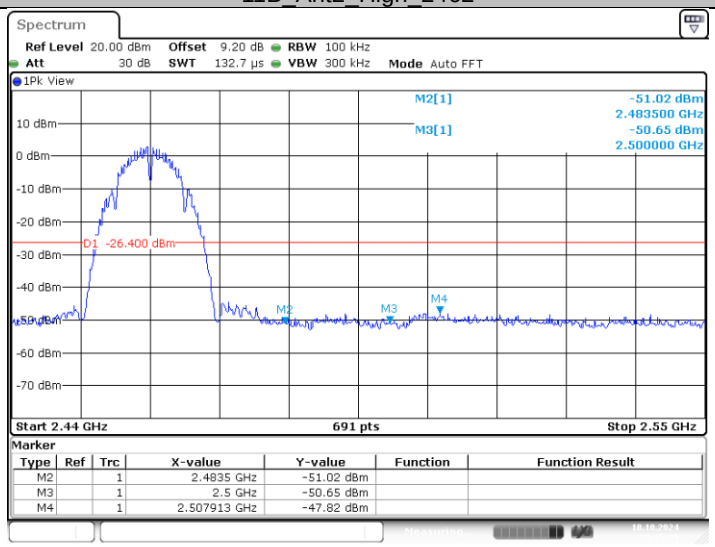
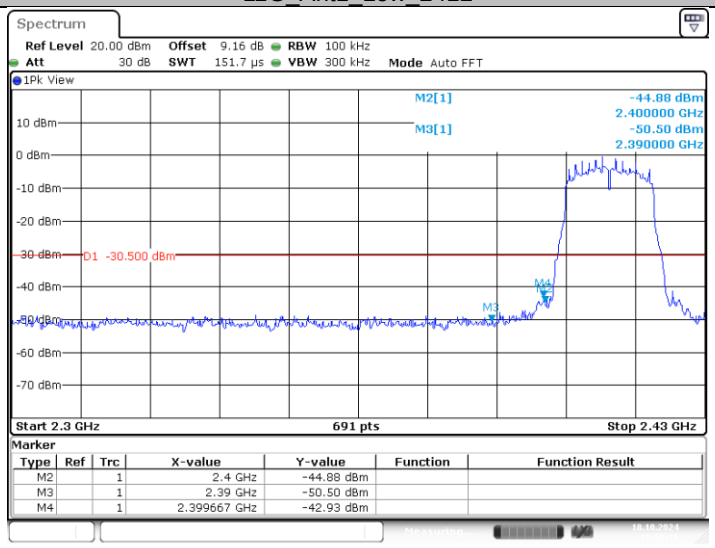


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M2		1	2.4835 GHz	-51.02 dBm		
M3		1	2.5 GHz	-50.65 dBm		
M4		1	2.507913 GHz	-47.82 dBm		

Date: 18.OCT.2024 20:35:48

11G_Ant1_Low_2412

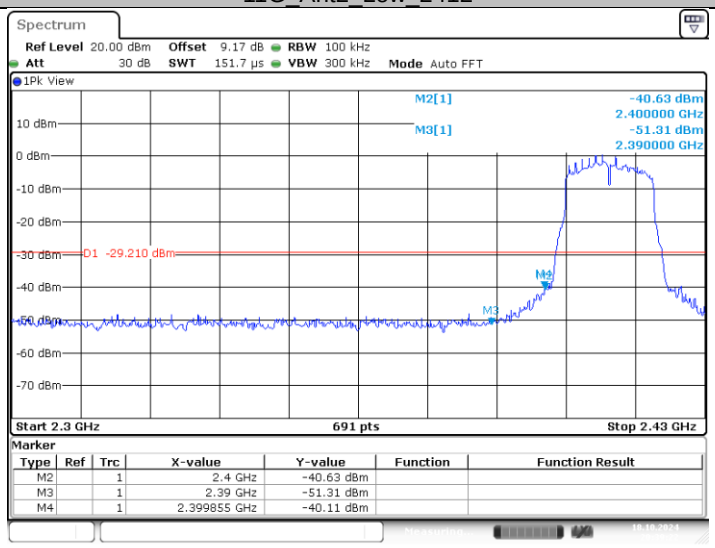


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M2		1	2.4 GHz	-44.88 dBm		
M3		1	2.39 GHz	-50.50 dBm		
M4		1	2.399667 GHz	-42.93 dBm		

Date: 18.OCT.2024 19:58:15

11G_Ant2_Low_2412

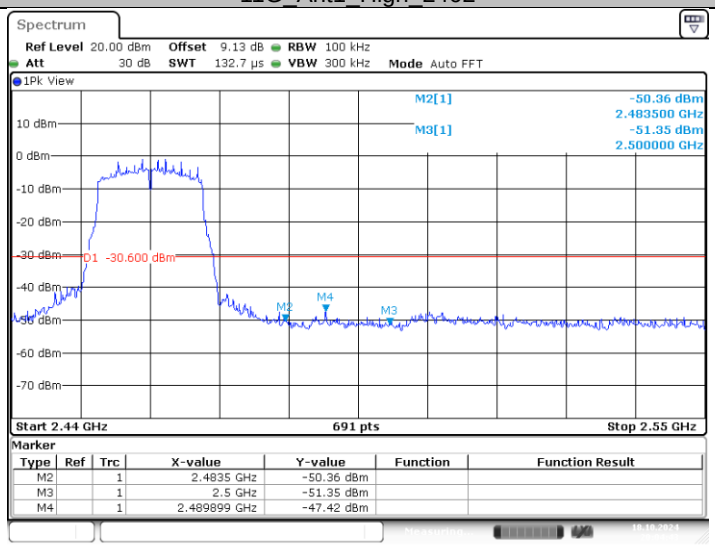


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M2		1	2.4 GHz	-40.63 dBm		
M3		1	2.39 GHz	-51.31 dBm		
M4		1	2.399855 GHz	-40.11 dBm		

Date: 18.OCT.2024 20:39:22

11G_Ant1_High_2462



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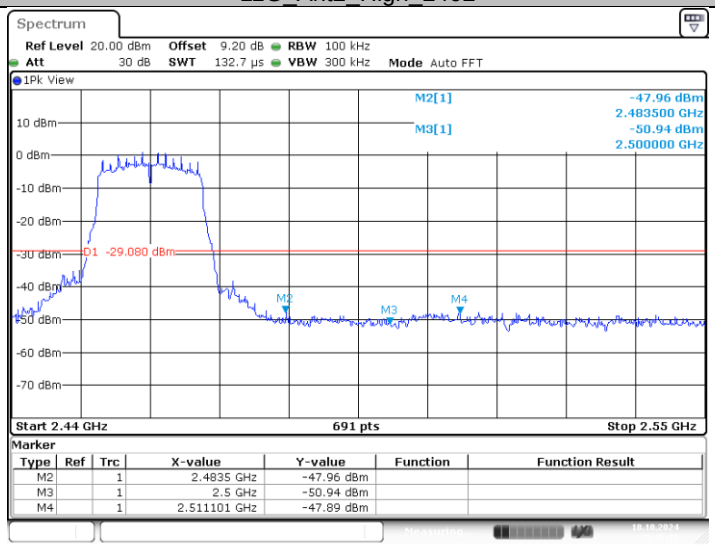

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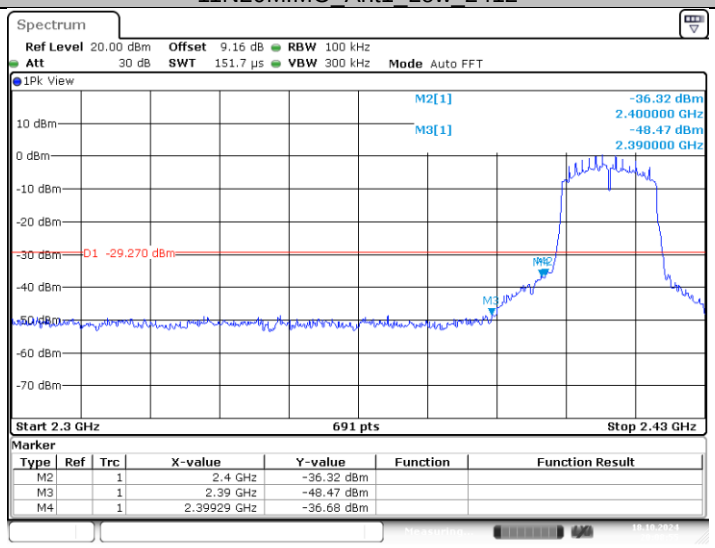

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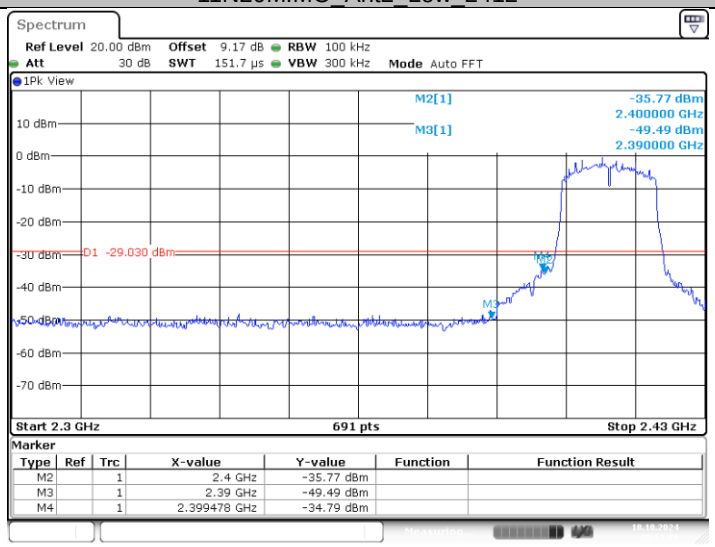

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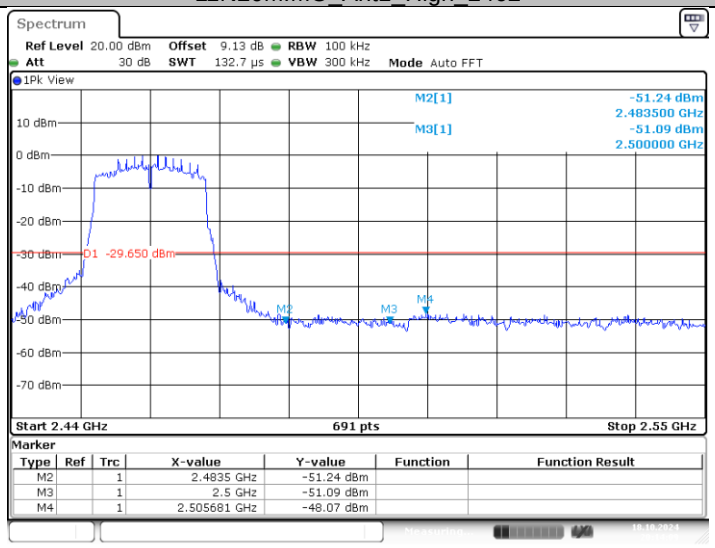

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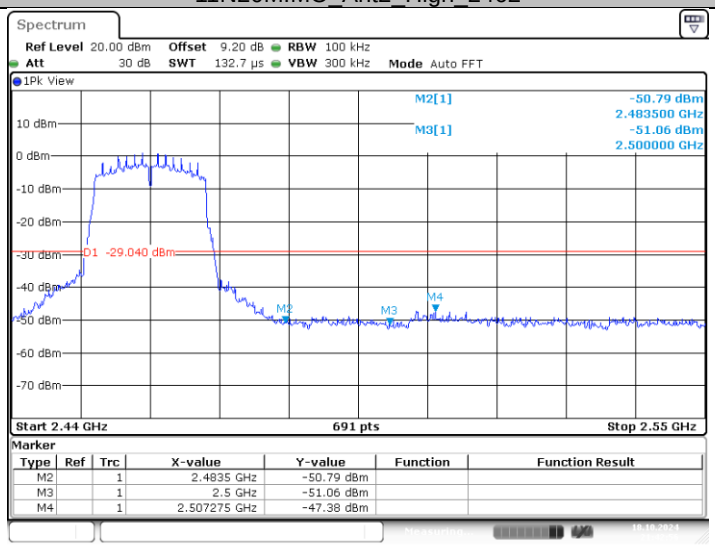

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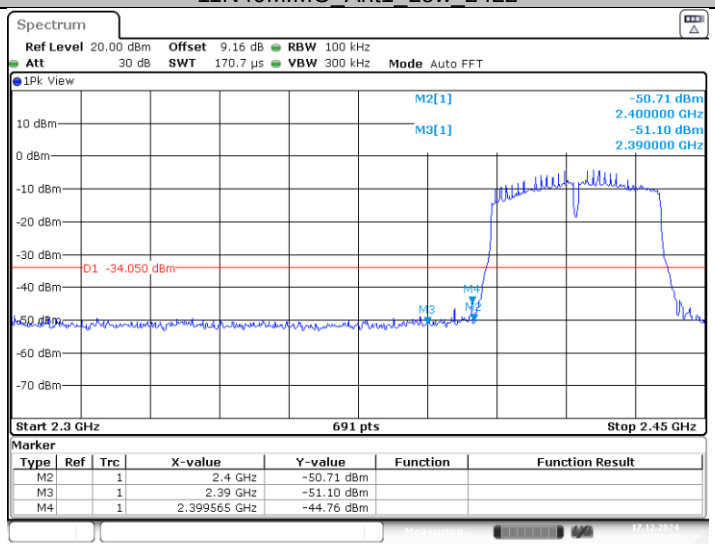

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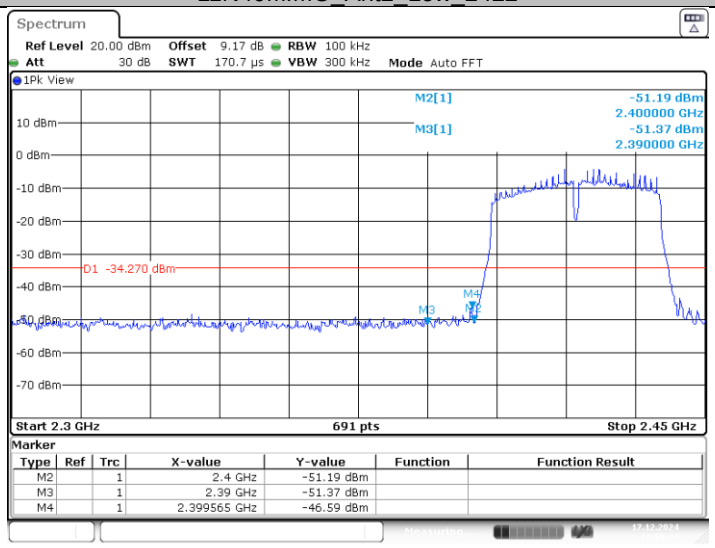

Date: 17.DEC.2024 11:59:33

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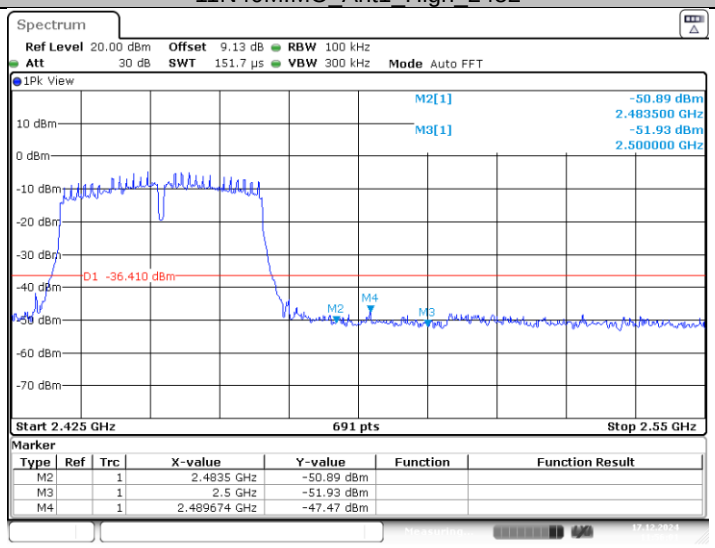

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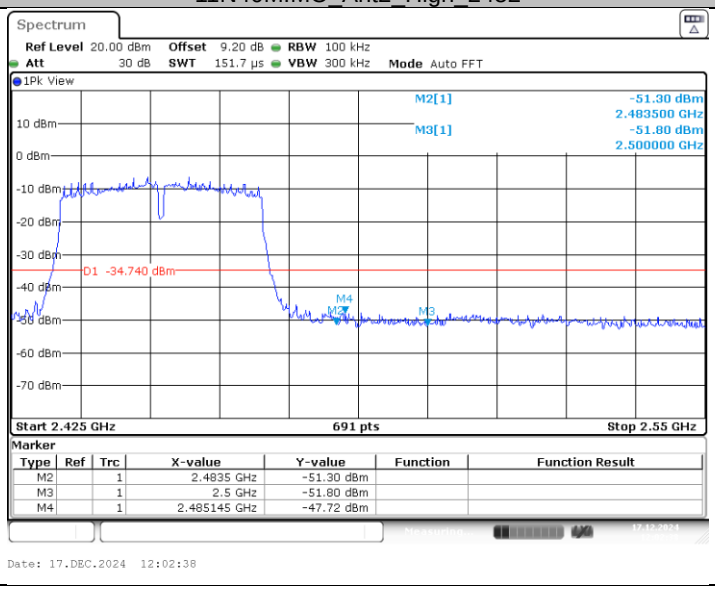


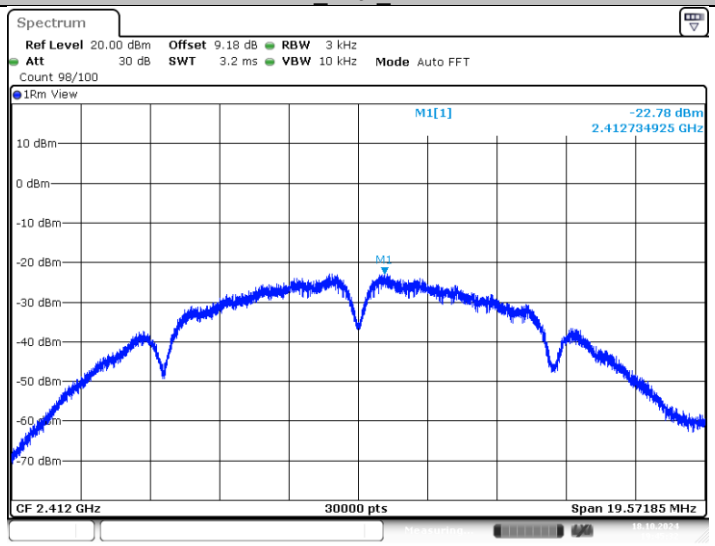
APPENDIXH - POWER SPECTRAL DENSITY

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-22.78	≤8.00	PASS
	Ant2	2412	-18.36	≤8.00	PASS
	Ant1	2437	-14.30	≤8.00	PASS
	Ant2	2437	-18.41	≤8.00	PASS
	Ant1	2462	-21.39	≤8.00	PASS
	Ant2	2462	-18.43	≤8.00	PASS
11G	Ant1	2412	-22.30	≤8.00	PASS
	Ant2	2412	-20.66	≤8.00	PASS
	Ant1	2437	-22.71	≤8.00	PASS
	Ant2	2437	-19.80	≤8.00	PASS
	Ant1	2462	-22.11	≤8.00	PASS
	Ant2	2462	-21.06	≤8.00	PASS
11N20MIMO	Ant1	2412	-21.37	≤8.00	PASS
	Ant2	2412	-20.70	≤8.00	PASS
	total	2412	-18.01	≤8.00	PASS
	Ant1	2437	-21.46	≤8.00	PASS
	Ant2	2437	-21.04	≤8.00	PASS
	total	2437	-18.23	≤8.00	PASS
	Ant1	2462	-21.73	≤8.00	PASS
	Ant2	2462	-20.61	≤8.00	PASS
	total	2462	-18.12	≤8.00	PASS
11N40MIMO	Ant1	2422	-24.95	≤8.00	PASS
	Ant2	2422	-23.97	≤8.00	PASS
	total	2422	-21.42	≤8.00	PASS
	Ant1	2437	-20.62	≤8.00	PASS
	Ant2	2437	-20.03	≤8.00	PASS
	total	2437	-17.30	≤8.00	PASS
	Ant1	2452	-23.82	≤8.00	PASS
	Ant2	2452	-24.93	≤8.00	PASS
	total	2452	-21.33	≤8.00	PASS

The measure-and-sum technique shall be used for measuring in-band transmit power of a device. Total power is the sum of the conducted power levels measured at the various output ports.
(First measure the power (mW) of each antenna separately, and the total power is equal to Ant1mW + Ant2mW+….)

Test Graphs

11B_Ant1_2412



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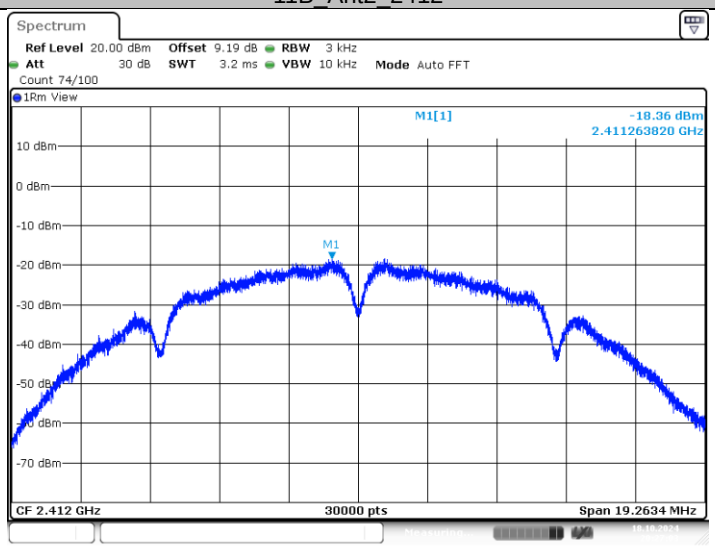

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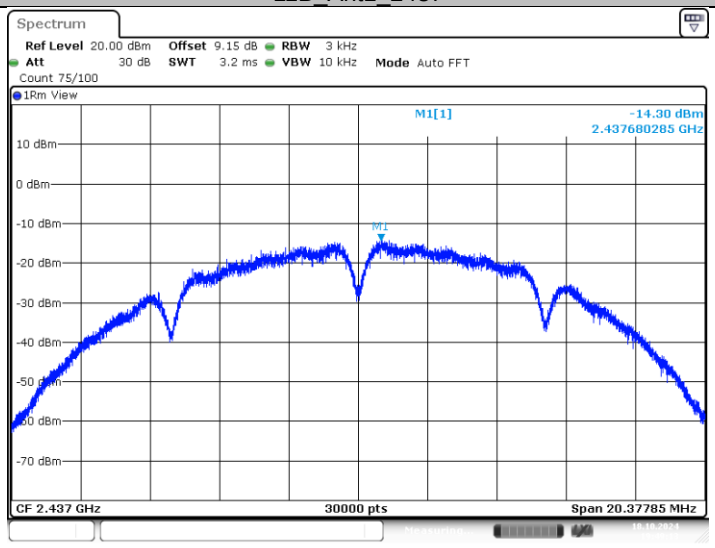

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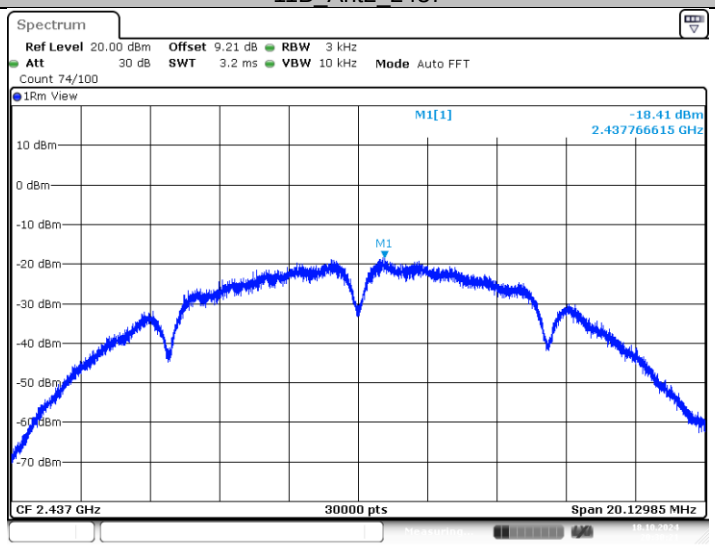

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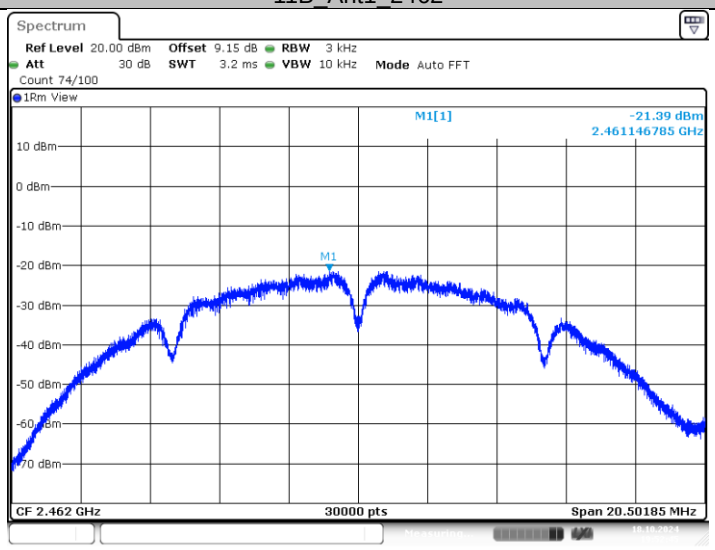

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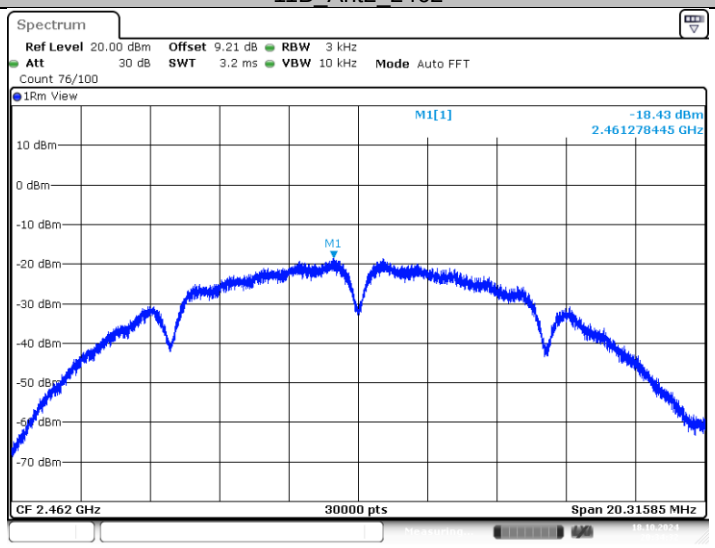

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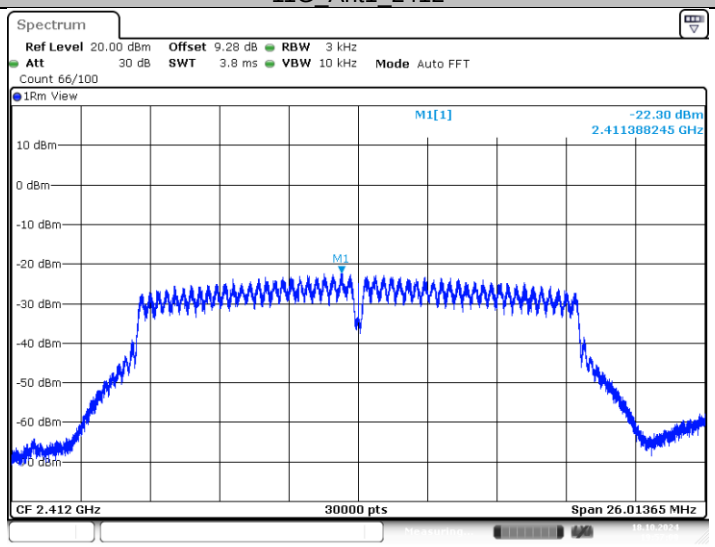

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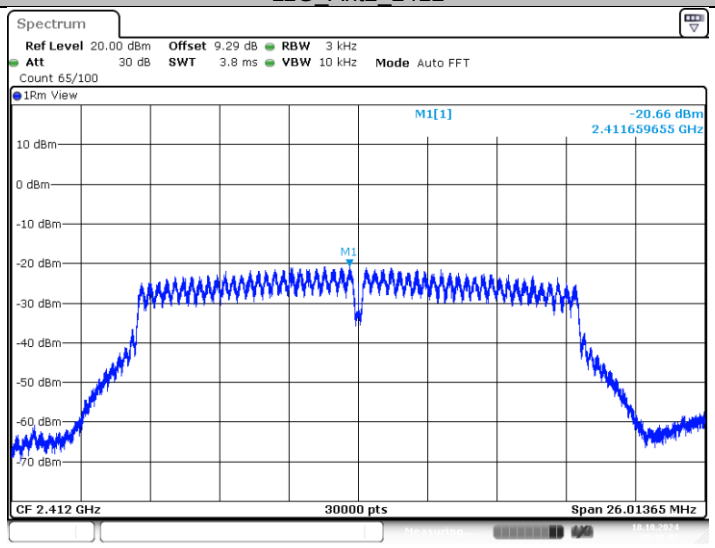

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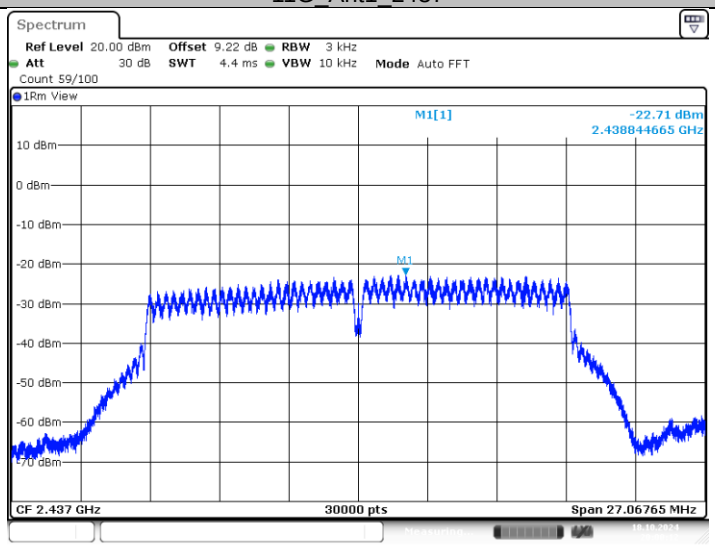
11G_Ant1_2437



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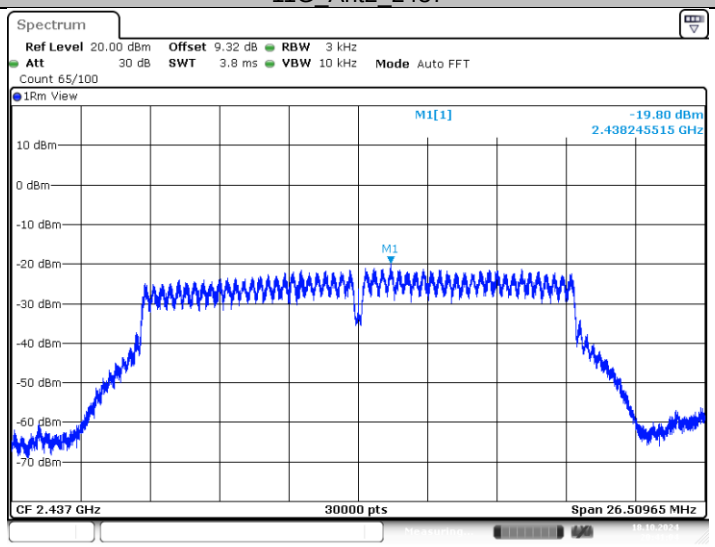

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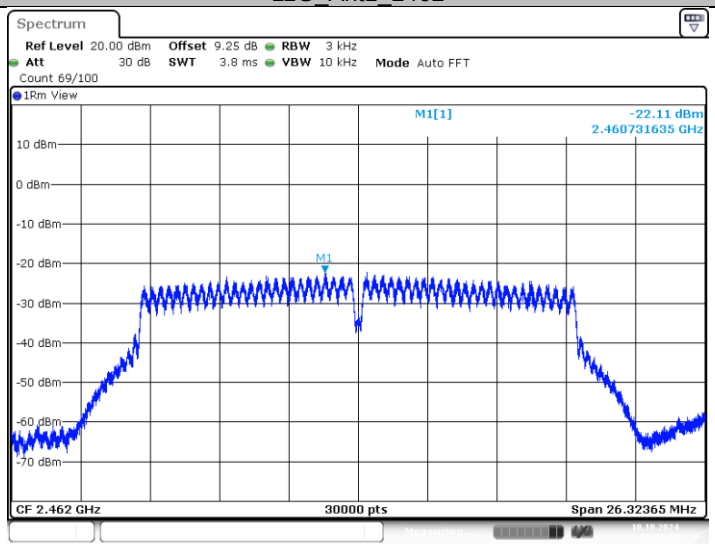
11G_Ant1_2462



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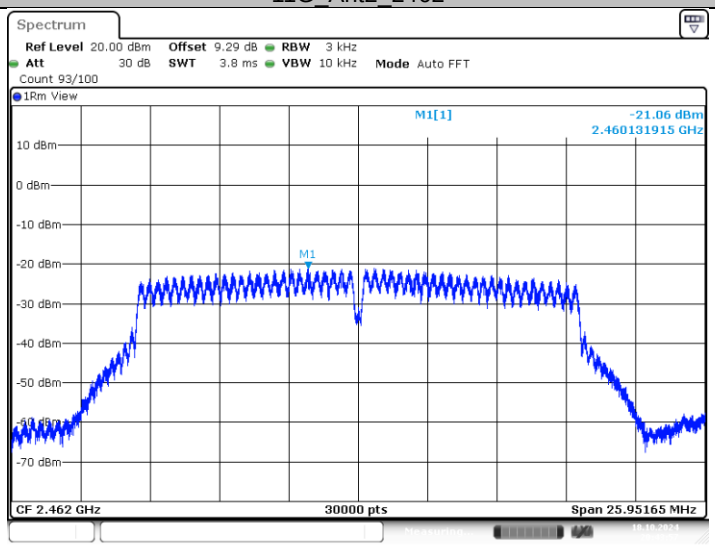

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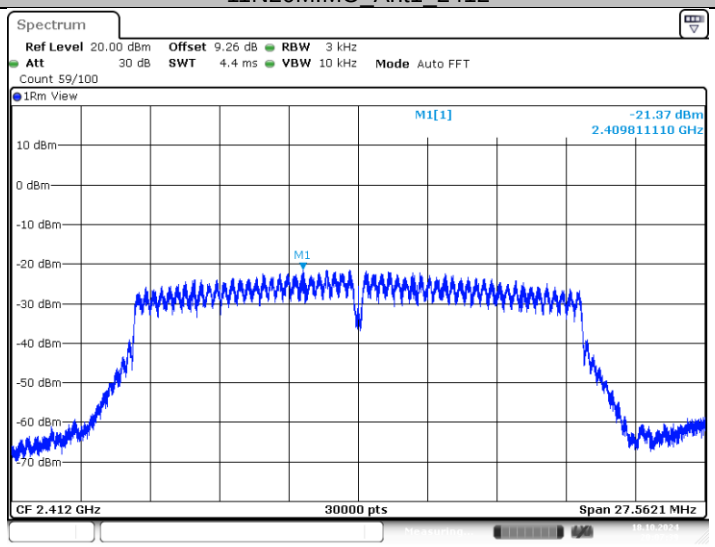

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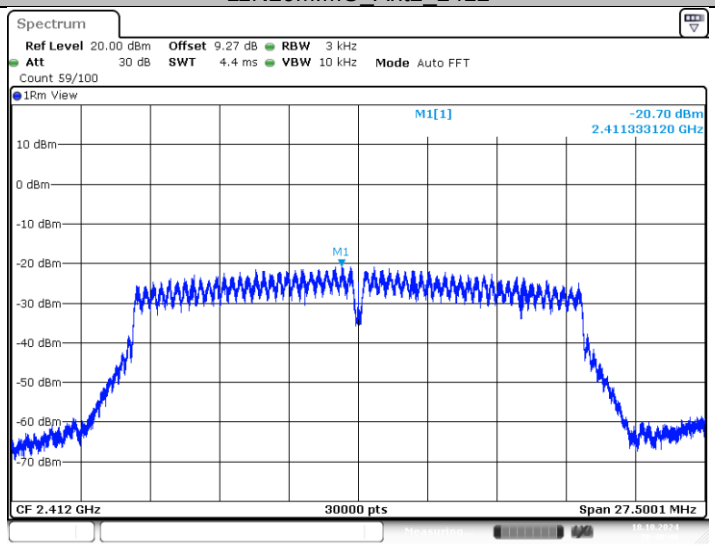

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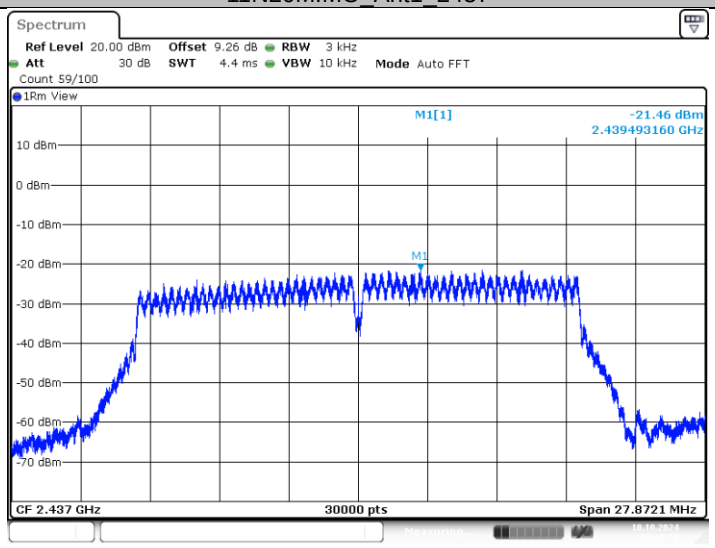

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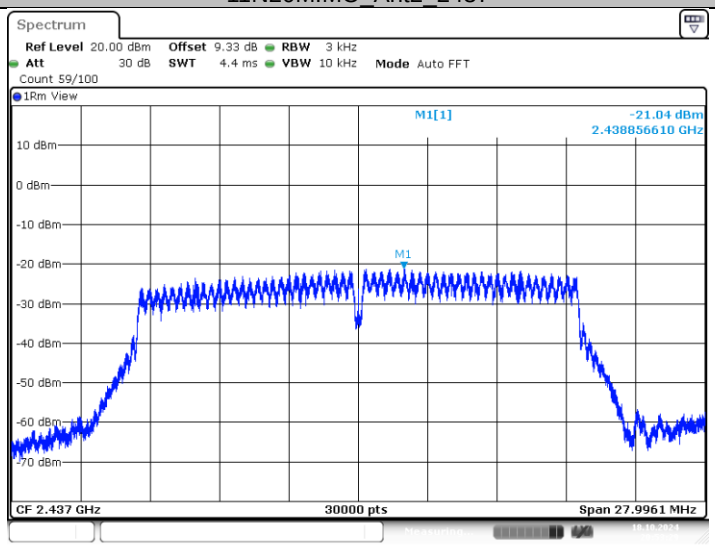

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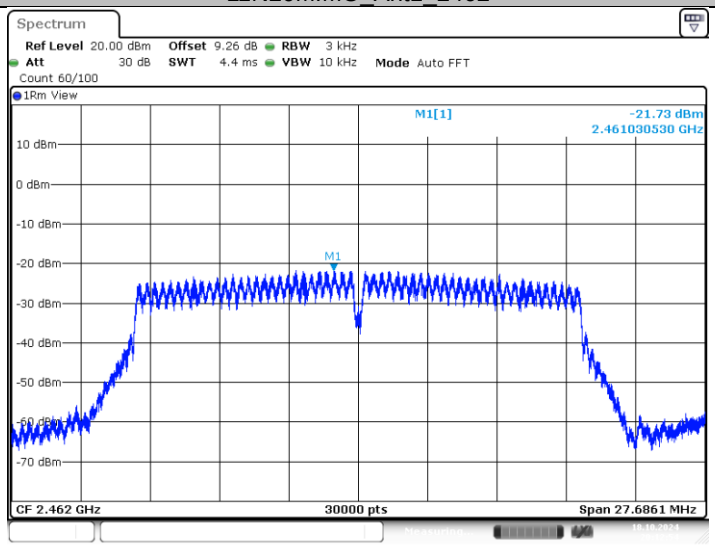

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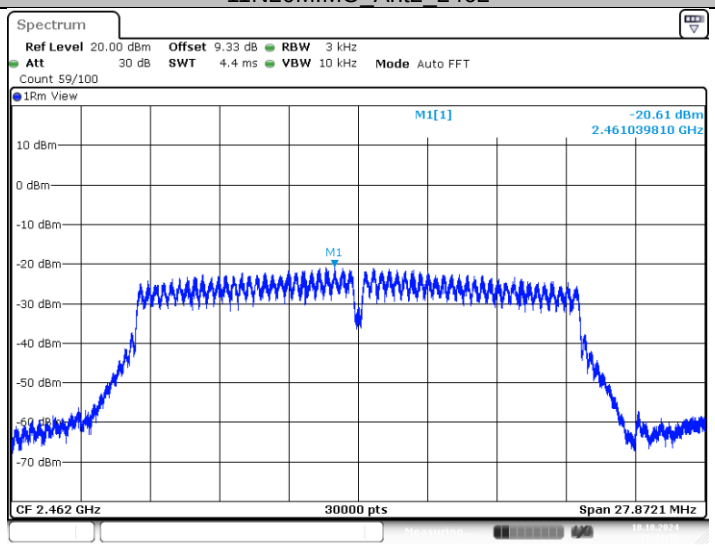

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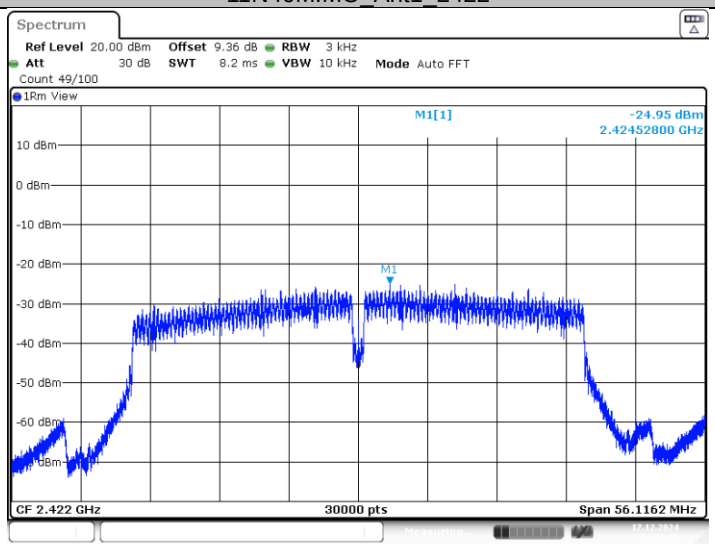

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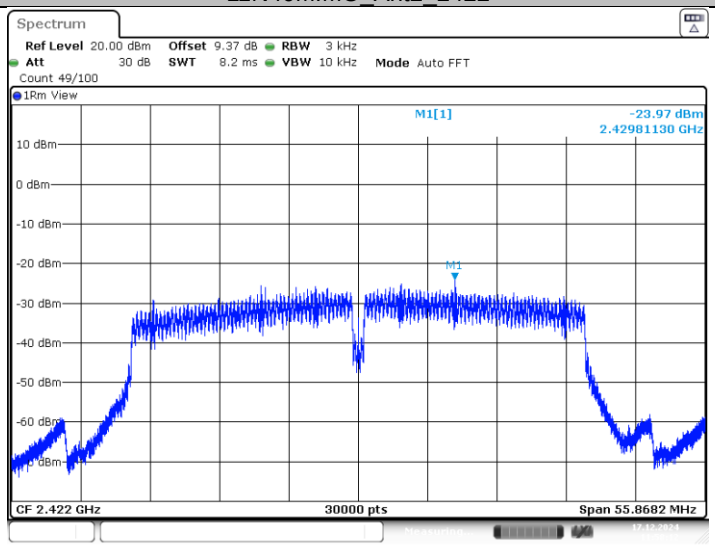

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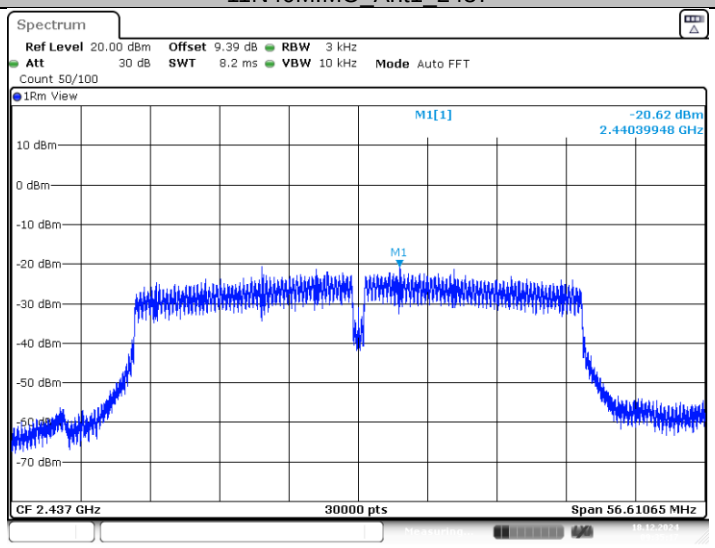

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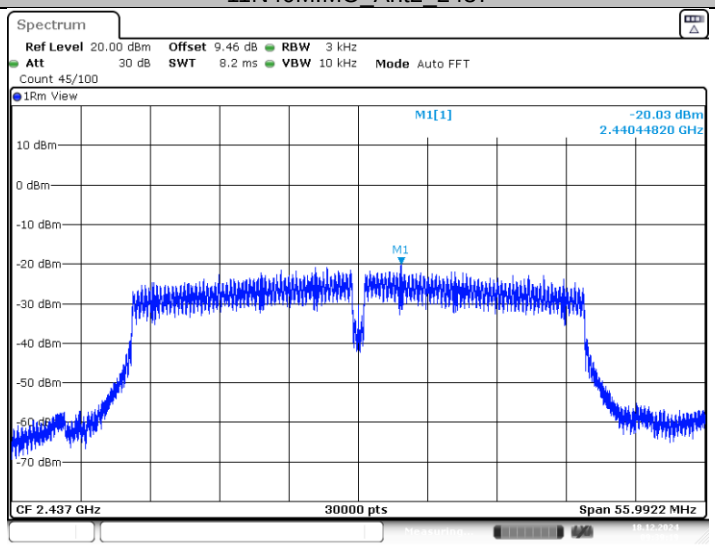

Date: 18.DEC.2024 09:39:19

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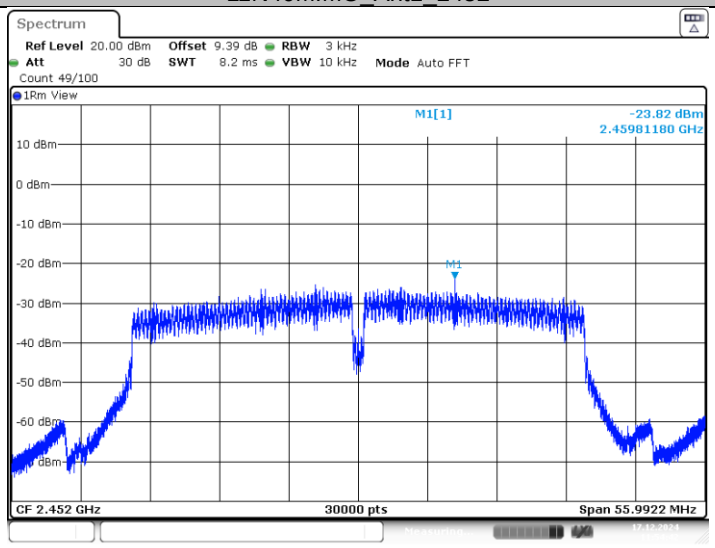

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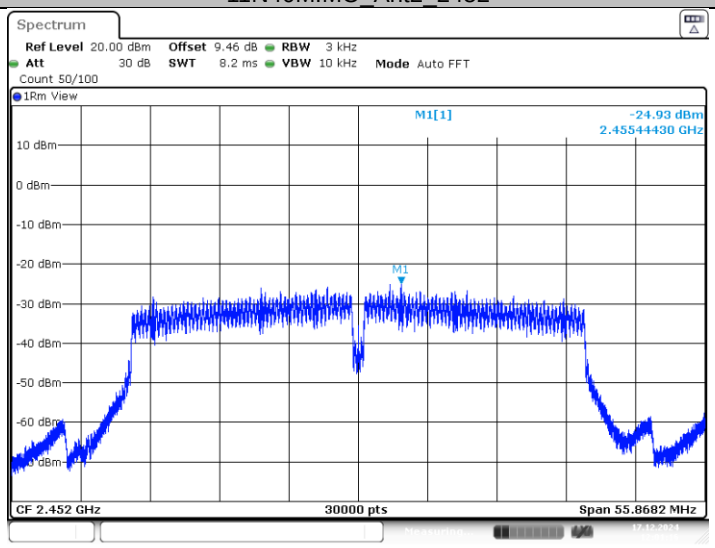

Date: 17.DEC.2024 12:01:16

End of Test Report