This checklist must be submitted as a PDF as part of your submission.

Name of Certifying Engineer(s): Elsa Ariansen Email of Certifying Engineer(s): elsa.ariansen@silabs.con Name(s) of System Under Test: xG24-DK2601B	n
Division (check one):	
☐ Open	
✓ Closed	
Category (check one):	
☐ Available	
✓ Preview	
☐ Research, Development, and Internal (RDI)	

Benchmark(s) (check all that apply):

- ✓ Visual Wake Words
- √ Keyword Spotting
- ✓ Anomaly Detection
- √ Image Classification

Please fill in the following table adding lines as necessary:

System Under Test Name	Benchmark	Accuracy/AUC
xG24-DK2601B	Visual Wake Words	84.7% Accuracy
xG24-DK2601B	Keyword Spotting	90.3% Accuracy
xG24-DK2601B	Anomaly Detection	0.86 AUC
xG24-DK2601B	Image Classification	87.5% Accuracy

For each SUT, is the benchmark Accuracy/AUC target met? (Not a requirement for the Open division) (check all that apply):

- ✓ Yes (Visual Wake Words ... 80% Accuracy)
- ✓ Yes (Keyword Spotting ... 90% Accuracy)
- ✓ Yes (Anomaly Detection ... 0.85 AUC)
- ✓ Yes (Image Classification ... 85% Accuracy)
- □ No, for some combination of benchmark, scenario and SUT

For each SUT and benchmark, did the submission run on the whole validation set in accuracy mode? (check one):

- ✓ Yes
- ☐ No

For each SUT and benchmark, does the submission use the EEMBC Runner? (check of ✓ Yes ☐ No	ne)
For each SUT and benchmark, is the same code run in accuracy and performance mode (check one) ✓ Yes □ No	les?
Are the weights calibrated using data outside of the official calibration set? (check one) ☐ Yes ✓ No	
What numerics does the submission use? (check all that apply) □ INT4 ✓ INT8 □ INT16 □ UINT8 □ UINT16 □ FP11 □ FP16 □ BF16 □ FP32 □ Other, please specify:	
What backend does the submission use? (check all that apply) ☐ Vendor backend, please name: ✓ TF-Lite Micro ☐ Micro TVM ☐ Other, please specify:	
Which of the following caching techniques does the submission use? (check all that applied ideally none): Caching Inputs between iterations Caching responses between iterations Caching intermediate computations between iterations	oly,
Which of the following techniques does the submission use? (check all that apply, ideal submitting to the closed division.) Quantization aware training Wholesale weight replacement	ly none if

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_ _ _	Weight supplements Discarding non-zero weight elements Pruning Modifying weights during the timed portion of an inference run Hard coding the total number of queries None of the above
✓	submission congruent with all relevant MLPerf rules? Yes No
If the a	answer to the above question is no, please explain:
✓	ach SUT, have you filled out the JSON system description file? Yes No
\checkmark	ach SUT, does the submission accurately reflect the real-world performance of the SUT? Yes No
<td>your submission include the following: (check all that apply) System description file Code that implements the benchmarks Code/scripts that train the model(s) (Open Division) Metadata that describes each system-implementation combination tested Scripts that set up and execute each system implementation tested Result logs for each system implementation tested This Checklist</td>	your submission include the following: (check all that apply) System description file Code that implements the benchmarks Code/scripts that train the model(s) (Open Division) Metadata that describes each system-implementation combination tested Scripts that set up and execute each system implementation tested Result logs for each system implementation tested This Checklist