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

Name of Certifying Engineer(s): Email of Certifying Engineer(s): Name(s) of System Under Test: Division (check one):	mahdi.chtourou@st.com	
☐ Open		
□ Closed √		
Category (check one):		
☐ Available √		
☐ Preview		
☐ Research, Development	, and Internal (RDI)	
Benchmark(s) (check all that ap	ply):	
□ Visual Wake Words √	. ,,	
$lue$ Keyword Spotting $\sqrt{}$		
$lue$ Anomaly Detection $\sqrt{}$		
☐ Image Classification√		
Please fill in the following table a	adding lines as necessary:	
System Under Test Name	Benchmark	Accuracy/AUC
NUCLEO-L4R5ZI	Anomaly Detection	0.86
NUCLEO-L4R5ZI	Image Classification	85.0%
NUCLEO-L4R5ZI	Keyword Spotting	90.2%
NUCLEO-L4R5ZI	Visual Wake Words	85.2%
For each SUT and benchmark, omode? (check one):	s 80% Accuracy) √ 90% Accuracy ) √ 0.85 AUC) √ n 85% Accuracy) √ n of benchmark, scenario and S	:UT
☐ Yes √		
□ No		

For each SUT and benchmark, does the submission use the EEMBC Runner? (check one)  ☐ Yes √ ☐ No
For each SUT and benchmark, is the same code run in accuracy and performance modes? (check one)  ☐ Yes √ ☐ No
Are the weights calibrated using data outside of the official calibration set? (check one) $ \Box \ \ \  \   \text{Yes} $ $ \Box \ \ \  \   \text{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: √  □ X-CUBE-Al v7.1.0
Which of the following caching techniques does the submission use? (check all that apply, ideally none):  Caching Inputs between iterations Caching responses between iterations Caching intermediate computations between iterations
Which of the following techniques does the submission use? (check all that apply, ideally none if submitting to the closed division.)

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0	Wholesale weight replacement 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:
	ch SUT, have you filled out the JSON system description file? Yes $$ No
	ch SUT, does the submission accurately reflect the real-world performance of the SUT? Yes $$ No
	Your submission include the following: (check all that apply) System description file $\sqrt{}$ Code that implements the benchmarks $\sqrt{}$ Code/scripts that train the model(s) (Open Division) Metadata that describes each system-implementation combination tested $\sqrt{}$ Scripts that set up and execute each system implementation tested $\sqrt{}$ Result logs for each system implementation tested $\sqrt{}$ This Checklist $\sqrt{}$