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

Email	of Certifying Engineer(s): Farah Baghdadi of Certifying Engineer(s): farah.baghdadi@st.com(s) of System Under Test: NUCLEO-H7A3ZI-Q			
Divisio	n (check one):			
	Open			
<b>V</b>	Closed			
Category (check one):				
$\mathbf{\nabla}$	Available			
	Preview			
	Research, Development, and Internal (RDI)			
Benchmark(s) (check all that apply):				
$\mathbf{\Delta}$	Visual Wake Words			
$\mathbf{\Delta}$	Keyword Spotting			
$\mathbf{\Delta}$	Anomaly Detection			

Please fill in the following table adding lines as necessary:

✓ Image Classification

System Under Test Name	Benchmark	Accuracy/AUC
NUCLEO-H7A3ZI-Q	Anomaly Detection	0.86
NUCLEO-H7A3ZI-Q	Image classification	85.0%
NUCLEO-H7A3ZI-Q	Keyword Spotting	90.2%
NUCLEO-H7A3ZI-Q	Visual Wake Words	85.2%

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):

**⊻**í Yes

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	No
$ \underline{\checkmark} $	ch SUT and benchmark, does the submission use the EEMBC Runner? (check one) Yes No
(check <b>☑</b>	ch SUT and benchmark, is the same code run in accuracy and performance modes? one) Yes No
	e weights calibrated using data outside of the official calibration set? (check one) Yes No
	numerics does the submission use? (check all that apply) INT4 INT8 INT16 UINT8 UINT16 FP11 FP16 BF16 FP32 Other, please specify:
_ 	vendor backend, please name:  TF-Lite Micro  Micro TVM  Other, please specify:  X-CUBE-Al v7.3.0
ideally	of the following caching techniques does the submission use? (check all that apply, 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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		Quantization aware training 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
	<b>1</b>	submission congruent with all relevant MLPerf rules? Yes No
lf th	e a	answer to the above question is no, please explain:
+	Ø	ch SUT, have you filled out the JSON system description file? Yes No
	Ą	ch SUT, does the submission accurately reflect the real-world performance of the SUT? Yes No
	<b>A A A A A A A A A A</b>	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