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

Name of Certifying Engineer(s): Cedric Nugteren
Email of Certifying Engineer(s): cedric@plumerai.com
Name(s) of System Under Test:
NUCLEO_L4R5ZI, CY8CPROTO_062_4343w, DISCO_F746NG
Division (check one):
□ Open
✓ Closed
Category (check one):
✓ Available
□ Preview
\square Research, Development, and Internal (RDI)
Benchmark(s) (check all that apply):
✓ Visual Wake Words
✓ Keyword Spotting

Please fill in the following table adding lines as necessary:

✓ Anomaly Detection✓ Image Classification

System Under Test Name	Benchmark	Accuracy/AUC
NUCLEO_L4R5ZI	vww	Top-1: 84.9% (target = 80%)
NUCLEO_L4R5ZI	KWS	Top-1: 90.2% (target = 90%)
NUCLEO_L4R5ZI	AD	AUC: 0.86 (target = 0.85)
NUCLEO_L4R5ZI	IC	Top-1: 88.0% (target = 85%)
CY8CPROTO_062_4343w	vww	Top-1: 84.9% (target = 80%)
CY8CPROTO_062_4343w	KWS	Top-1: 90.2% (target = 90%)
CY8CPROTO_062_4343w	AD	AUC: 0.86 (target = 0.85)
CY8CPROTO_062_4343w	IC	Top-1: 88.0% (target = 85%)
DISCO_F746NG	vww	Top-1: 84.9% (target = 80%)
DISCO_F746NG	KWS	Top-1: 90.2% (target = 90%)
DISCO_F746NG	AD	AUC: 0.86 (target = 0.85)
DISCO_F746NG	IC	Top-1: 88.0% (target = 85%)

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) Do, 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 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) ☐ 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: Plumerai Inference Engine □ TF-Lite Micro □ Micro TVM □ Other, please specify:

ideally non	 collowing caching techniques does the submission dse? (check all that apply, e): Caching Inputs between iterations Caching responses between iterations Caching intermediate computations between iterations
submitting	to the closed division.) 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
	nission congruent with all relevant MLPerf rules? ✓ Yes □ No
If the answ	er to the above question is no, please explain:
	UT, have you filled out the JSON system description file? ✓ Yes □ No
	UT, does the submission accurately reflect the real-world performance of the SUT? ✓ Yes □ No
·	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