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

Name of Certifying Engineer(s): Lu Lu Email of Certifying Engineer(s): Il200214@alibaba-inc.com Name(s) of System Under Test: Alibaba Cloud Sinian Platform (Xuantie RISC-V)
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
Alibaba Cloud Sinian Platform (Xuantie RISC-V)	Visual Wake Words	80.3%
Alibaba Cloud Sinian Platform (Xuantie RISC-V)	Keyword Spotting	90.7%
Alibaba Cloud Sinian Platform (Xuantie RISC-V)	Anomaly Detection	0.88
Alibaba Cloud Sinian Platform (Xuantie RISC-V)	Image Classification	86.0%

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

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mode? ✓	ch SUT and benchmark, did the submission run on the whole validation set in accuracy (check one):  Yes
	NO .
	ch SUT and benchmark, does the submission use the EEMBC Runner? (check one)
	Yes
	No
(check	
✓	Yes
	No
Are the	weights calibrated using data outside of the official calibration set? (check one)
	Yes
✓	No
What n	umerics does the submission use? (check all that apply)
	INT4
	INT8
	INT16
	UINT8
	UINT16
	FP11
✓	FP16
	BF16
	FP32
	Other, please specify:
What b	ackend does the submission use? (check all that apply)
	Vendor backend, please name:
	TF-Lite Micro
	Micro TVM
<b>√</b> C	Other, please specify: Sinian/CSI-NN2
Which o	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

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submittir	of the following techniques does the submission use? (check all that apply, ideally none if any 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  None of the above
	ubmission congruent with all relevant MLPerf rules? Yes
If the an	swer to the above question is no, please explain:
For each ✓ Y	
For each ✓ Y □ N	
✓ S ✓ O □ O ✓ M ✓ S	our 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