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

Email o	of Certifying Engineer(s): Sho Yamamoto of Certifying Engineer(s): sho.yamamoto.ud@renesas.com s) of System Under Test: EK-RA6M4, RX65N-Cloud-Kit
Divisio	n (check one):
	Open
	Closed
Catego	ory (check one):
	Available
	Preview
	Research, Development, and Internal (RDI)
Benchr	mark(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
EK-RA6M4	Anomaly Detection	0.86
EK-RA6M4	Image Classification	87.5%
EK-RA6M4	Keyword Spotting	90.1%
EK-RA6M4	Visual Wake Words	85.4%
RX65N-Cloud-Kit	Anomaly Detection	0.86
RX65N-Cloud-Kit	Image Classification	87.5%
RX65N-Cloud-Kit	Keyword Spotting	90.1%
RX65N-Cloud-Kit	Visual Wake Words	85.4%

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)

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

	No, for some combination of benchmark, scenario and SUT
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	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
	INT4 INT8 INT16 UINT8 UINT16 FP11 FP16 BF16 FP32 Other, please specify:
_ _ _	Dackend does the submission use? (check all that apply) Vendor backend, please name: TF-Lite Micro Micro TVM Other, please specify:
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

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

Which of the following techniques does the submission use? (check all that apply, ideally none if 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 None of the above
Is the submission congruent with all relevant MLPerf rules? ☐ Yes ☐ No
If the answer to the above question is no, please explain:
For each SUT, have you filled out the JSON system description file? ☐ Yes ☐ No
For each SUT, does the submission accurately reflect the real-world performance of the SUT? — Yes — No
Does 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