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

Name o	of Certifying Engineer(s): Parker Zhang
Email o	f Certifying Engineer(s): quic_xiaopeng@quicinc.com
Name(s	s) of System Under Test: Low Power Al Subsystem on Snapdragon Next Gen Mobile
Platforn	1
Division	(check one):
	Open
✓	Closed
Catego	ry (check one):
	Available
$\checkmark$	Preview
	Research, Development, and Internal (RDI)
Benchn	nark(s) (check all that apply):
✓ '	Visual Wake Words
$\checkmark$	Keyword Spotting
✓ ,	Anomaly Detection
$\checkmark$	Image Classification
	Streaming Wakeword

Please fill in the following table adding lines as necessary:

System Under Test Name	Benchmark	Accuracy/AUC (FP/FN for SWW)
eAl on Snapdragon® Next Gen MTP	Visual Wake Words	83.5% Accuracy
eAl on Snapdragon® Next Gen MTP	Keyword Spotting	91.3% Accuracy
eAl on Snapdragon® Next Gen MTP	Anomaly Detection	0.86 AUC
eAl on Snapdragon® Next Gen MTP	Image Classification	85.5% Accuracy

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)
- ☐ Yes (Streaming Wakeword... FP ≤ 8; FN ≤ 8)

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	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
EEMBO	ch SUT and benchmark, does the submission use either the MLCommons Runner or the C Runner? (check one) Yes No
(check	Yes
	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:  ackend does the submission use? (check all that apply)
✓ □ □	Vendor backend, please name: Qualcomm Al Stack TF-Lite Micro Micro TVM Other, please specify:
ideally	of the following caching techniques does the submission use? (check all that apply, none, except for streaming benchmark):  Caching Inputs between iterations

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<u> </u>	Caching responses between iterations Caching intermediate computations between iterations
submit	of the following techniques does the submission use? (check all that apply, ideally none if ting 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
✓	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 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