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

Name of Certifying Engineer(s): Jeremy Holleman

□ No

Email of Certifying Engineer(s):jere Name(s) of System Under Test: NE		(chip)
Division (check one): ☐ Open ☐ Closed		
Category (check one): ✓ Available □ Preview □ Research, Development, an	nd Internal (RDI)	
Benchmark(s) (check all that apply) Visual Wake Words Keyword Spotting Anomaly Detection Image Classification Please fill in the following table add		
System Under Test Name	Benchmark	Accuracy/AUC
Syntiant NDP120 at 1.1V/98MHz	KWS	91.1%
Syntiant NDP120 at 1.1V/98MHz	VWW	84.8%
Syntiant NDP120 at 1.1V/98MHz	IC	86.0%
For each SUT, is the benchmark Addivision) (check all that apply): Yes (Visual Wake Word Yes (Keyword Spotting Yes (Anomaly Detection Yes (Image Classification No, for some combination or	ds 80% Accuracy) 90% Accuracy) 0.85 AUC)	
For each SUT and benchmark, did mode? (check one):	the submission run on the wh	nole validation set in accuracy

For each SUT and benchmark, does the submission use the EEMBC Runner? (check one)
□ V 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
□ V No
What numerics does the submission use? (check all that apply)
□ INT4
□ I NT8
□ ☑ INT16
□ V UINT8
□ UINT16
□ FP11
□ FP16
□ BF16
□ FP32
☐ Other, please specify:
What backend does the submission use? (check all that apply)
Vendor backend, please name: Syntiant Training Development Kit (TDK), SDK
☐ TF-Lite Micro
□ Micro TVM
☐ Other, please specify:
Which 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
Which of the following techniques does the submission use? (check all that apply, ideally none submitting to the closed division.)
Quantization aware training

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

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 No
nswer to the above question is no, please explain:
ch SUT, have you filled out the JSON system description file? Ves No
ch SUT, does the submission accurately reflect the real-world performance of the SUT? Yes No
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