July 1, 2014

RE: ATCB015830 – Original Equipment & Single Certification Applications – Model: EPCR5

FCC ID: 2ACIUEPCR5 & IC: 12058A-EOCR5 for Computer Performance, Inc.

The following is in response to comments made on the above referenced application.

1. There is a major discrepancy in the output power of this device. The user manual on page 17 shows as the WiFi spec a +19 dBm (I'm assuming this is power since an operational description is missing from this application.). The test report shows the maximum output power measured as -10 dBm. This is a difference of almost 30 dB. Usually the difference between peak and average power is more like 10 dB. First, please double check the specs to make sure it is correct. Second please check the antenna connector and antenna line to make sure one of these are not broken and giving an incorrect power level. Please address this discrepancy. (I question whether this WiFi device will operate properly with the output power represented in the submitted test report. The typical WiFi has a range of 50 to 100 feet indoors more in line with 79 mW of output power. I doubt that 0.1 mW power will get this same operating range.)

   The user's manual has been updated . The manufacturer is aware that operating the radio at the reduced power setting will significantly limit operating range, but they state it is not a concern for their application. The laboratory thoroughly vetted the measurements made, including confirmation that cables and connectors internal to the unit were not damaged. WRTL consulted with the customer regarding the low measurement levels prior to filing the application, and after confirming they were in line with the manufacturers settings, requested that the manufacturer provide a letter detailing their choice of power level to be included as part of the application to avoid confusion by the reviewer. The manufacturer declares this power level to be correct and that it corresponds with their intentions. Their letter has been updated to make this more clear.