

1.3 Descriptions of Changes in Certified Equipment

See the letter below from Emerson Process Management/CSI.



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Subject: FCC ID NL58215 Permissive Change Application

To Whom It May Concern:

The CSI Model 8215 test units submitted to U.S. Tech for testing to implement this Permissive Change were of the exact configuration as production units will be. The essence of the change from the original application consists of replacing the original removable antenna and its aluminum swivel mount with a fixed mount antenna that has internal swivel and rotation capability. The new antenna has otherwise similar performance characteristics as the original. The new configuration is described in detail in the test report provided in this application.

In order to accommodate this change, a PCB (printed circuit board) was added as a mechanical mount for the antenna, and this PCB also electrically connects the antenna to the RF antenna signal cable.

In addition, one component was added to the RF antenna circuit: a 100 μ H inductor was added on the existing RF circuit PCB and is wired from the antenna signal line to ground. This is to act as a shunt for potential ESD (electrostatic discharge). Both the new PCB and the added component ("L2") are shown in the submitted revised block diagram and PCB schematics D24457SC Rev. 1 and D24878 Rev. 0.


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