

Electronic Controls Design Inc.
4287-B SE International Way
Milwaukie OR 97222

Dear Application Examiner:

Electronic Controls Design's MegaM.O.L.E. thermal profiler with internal 2.4GHz radio is seeking limited modular approval under FCC ID: MQEE47-6342-45. The radio meets the requirements for limited modular approval as detailed in FCC Public Notice DA00-1407. Compliance or non-compliance to each of the modular approval requirements is described below:

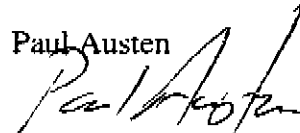
1. **"The modular transmitter must have its own RF shielding."** The radio portion of the module does not have its own RF shielding. Electronic Control Designs is seeking a limited modular approval. Please see the Internal Photos exhibit.
2. **"The modular transmitter must have buffered modulation/data inputs."** The transmitter has buffered lines. Please see Schematics Exhibits.
3. **"The modular transmitter must have its own power supply regulation."** The Atmel AT86RF230 does not include its own voltage regulation. The voltage is controlled in the MEGAMOLE circuitry. Electronic Control Designs is seeking a limited modular approval. Please see Schematics Exhibits.
4. **"The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c)."** The EUT meets the FCC antenna requirements. Please see Antenna information exhibit and internal photos exhibit.
5. **"The modular transmitter must be tested in a stand-alone configuration."** The EUT was not tested in a stand-alone configuration. The radio was tested while installed in the MEGAMOLE. Therefore, the radio does not comply with the requirements for full modular approval. Thus, Electronic Control Designs is seeking limited modular approval.
6. **"The modular transmitter must be labeled with its own FCC ID number."** The radio is installed in the MEGAMOLE. The MEGAMOLE will be labeled with an FCC ID number. Please see the FCC ID label & location exhibit.
7. **"The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements."** The EUT is compliant with all applicable FCC rules. See test reports and User Manual.

8. **“The modular transmitter must comply with any applicable RF exposure requirements.”** The EUT is compliant with all applicable RF exposure requirements. Please see the MPE Estimates for a stand-alone device exhibit.

Please contact us if you have additional questions. Your attention to this matter is greatly appreciated.

Best regards,

Paul Austen



Project Engineer