



Subject: Modular Approval Request

FCC ID: P9X-500LG

September 6, 2016

Dear Application Examiner:

Eaton's Cooper Power Systems, model RFN-500LG, FCC ID P9X-500LG, would like to have your authorization as a modular approval. The requirements of Public Notice DA00-1407 have been met and shown on the following statements.

1. "The modular transmitter must have its own RF shielding." - The radio portion of this module has been shielded. Please see exhibition External Photo.
2. "The modular transmitter must have buffered modulation/data inputs." - The RFN-500LG contains buffered data inputs; it is integrated into Cooper Power System's RF design.
3. "The modular transmitter must have its own power supply regulation." - The RFN-500LG contains a regulator in the DC input port; it is integrated into Cooper Power Systems' RFN-500LG design.
4. "The modular transmitter must comply with the antenna requirements of section 15.203 and 15.204(c)." - The RFN-500LG meets the FCC antenna requirements. The spurious emission, unique antenna connector and photo of antennas are shown in the application exhibits.
5. "The modular transmitter must be tested in a stand-alone configuration." - The RFN-500LG was tested in a stand-alone configuration via an adapter board. Please see exhibit "Test Setup Photos".
6. "The modular transmitter must be labeled with its own FCC ID number." - Please see exhibit "FCC Label" for the FCC to of this module.
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 RFN-500LG is compliant with all applicable FCC rules. Detailed instructions for maintaining compliance are given in the User's Manual.
8. "The modular transmitter must comply with any applicable RF exposure requirements." - The EUT is compliant with all applicable RF exposure requirements. RF Exposure is addressed in the exhibit "MPE Data".

Please contact me if you have any further questions. Thank you for your attention.

Sincerely,

Steven Seymour  
Certification Engineer  
Eaton's Cooper Power Systems  
(240) 454-9845  
[StevenJSeymour@Eaton.com](mailto:StevenJSeymour@Eaton.com)