

FCC Equipment Certification

Ref: FCC ID PYC18-3800
Reg. No. 0005036686
731 Conf. No. EA627763

To whom it may concern,

Please find attached information required by CFR 47 Part 2.1033 for application for equipment certification to operate under part 101.

1. Paul Caskey, President
Enterprise Networks, Inc.
757 Shearer St.
North Wales, PA 19454
215.699.6882
pcaskey@enet100.com
2. FCC ID: PYC18-3800
3. A draft copy of the manual is attached ([enet100 manual.doc](#)) which provides the basic user information. The evaluation system uses command-line software whereas production units will take advantage of a graphical user interface that is not yet complete. When the software is complete, instructions for the GUI will be added to the user's manual. The complete manual will be forwarded to the FCC as required by part 2.1033.b.3.
4. A copy of a preliminary specification sheet is attached which provides a functional description of the system. Please see [enet100 spec.doc](#). The user's manual from (3) above gives a more technical description of the circuit operation.
5. An excerpt from the user's manual is attached showing a block diagram of the system. Please see [enet100 block diagram.doc](#).
6. [FCC emissions.doc](#) is an Excel spreadsheet attached showing the calculated maximum emissions and measured emissions.
7. Three photographs are attached showing the QAM modulator and RF upconverter circuit boards that comprise the DPU, the interior and exterior of the outdoor MPU bearing a simulation of the FCC identification as required by part 2.925. The FCC ID will be silk-screened on the transmitter covers with black epoxy paint. The DPU circuit boards and power supply will be housed in a standard 1U, 19" rack-mount enclosure. Production MPUs will integrate some of the components shown allowing a smaller form factor and overall package.
8. Equipment was tested using on-board bit-error rate (BERT) generator as well as external Smartbits Fast Ethernet tester.
9. Recommended antennas are RFS Cablewave SU-2 SlimLine series. Please see [antenna outline.doc](#) attached.

Please do not hesitate to contact me via telephone or e-mail should any further information be required.

Best regards,

Paul Caskey, President