

March 08, 2002

The 2.4 GHz Direct sequence spread spectrum USB wireless LAN Module, FCC ID, HFSEF SERIES is seeking FCC Authorization as a modular transmitter. The EUT meets the requirements for modular approval as detailed in FCC public Notice DA00-1407. Compliance to each of the requirements is described below:

Question is

1. “The modular transmitter must have its own RF shielding.” The radio portion of the wireless LAN Module has its own RF shieldings. The shieldings are installed at the factory.
Please see page 1 of Appendix 1 for photographs of the shielding.
2. “The modular transmitter must have buffered modulation / data inputs.” The EUT has buffered data inputs to insure compliance with part 15 requirements under condition of excessive data rates or over – modulation.
Please see Appendix 2 for schematics of the module and Appendix 3.
3. “The modular transmitter must have its own power supply regulation” The EUT uses USB host power. It insures compliance with part 15 supplying the module from the host unit.
Please see APPENDIX 2 for schematics of the module and Appendix 3.
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 APPENDIX 3 for x1726 circuit Description, APPENDIX 1 for photographs of the Antennas, APPENDIX 4 for Antenna Connection method.
5. “The modular transmitter must be tested in a stand – alone configuration.” The EUT was tested in a stand – alone configuration.
Please see APPENDIX 3 for x1726 circuit Description, and test report for the testing setup photos. Please see note of Description that the EUT.

6. “The modular transmitter must be labeled with its own FCC ID number.” The EUT is labeled with its own FCC ID number.

Please see APPENDIX 5 for a drawing of the label and its location on the device, since the FCC ID number will not be visible when the module is installed inside a host computer, there is instructions given to the OEM on how to apply the exterior label, please see page 2 of APPENDIX 5.

7. “The modular transmitter must comply with any specific rule or operating requirements and the manufacture must provide adequate instruction along with the module to explain any such requirements.”

The EUT is compliant with all applicable FCC rules, Detail instructions RF Exposure. Please see the Test Report.