

MODULAR APPROVAL REQUIREMENTS

Modular approval for the device is being requested. The device must meet the eight requirements outlined in FCC Public Notice DA 00-1407 Released: June 26, 2000. Each requirement is addressed below:

- 1) The modular transmitter must have its own RF shielding.
The EUT contains its own rf shielding. It was tested without an enclosure
- 2) The modular transmitter must have buffered modulation/data inputs.
The data input is provided by a 10/100Mb/s ethernet interface. The data is buffered and data rate limited by the ethernet interface circuitry.
- 3) The modular transmitter must have its own power supply regulation.
The EUT contains a separate dc power input connector. The dc power is fully regulated before it goes to any of the rf or digital circuits.
- 4) The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c).
The antenna is integral to the device and so meets all requirements of 15.203 and of FCC Part 15 Subpart E.
- 5) The modular transmitter must be tested in a stand-alone configuration.
The EUT was tested in a stand-alone configuration with cables connected to the ethernet and dc power ports representative of those that would be connected during normal use.
- 6) The modular transmitter must be labeled with its own FCC ID number, and, if the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module.
The device is intended to be used by NetGear in their AccessPoint products. The devices containing the module will be labeled with the FCC ID of the 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. A copy of these instructions must be included in the application for equipment authorization.
The device is intended to be used by the module manufacturer, NetGear, in their AccessPoint products. The operating limitations are fully understood by their engineering division.
- 8) The modular transmitter must comply with any applicable RF exposure requirements.
The MPE calculations show that the device meets the rf exposure requirements provided that a separation of at least 20cm is maintained between the EUT and people in its vicinity. The installation and user manuals for products containing this module will all reference this requirement.