

**Paul Harris**

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**From:** "Generic Office of Engineering Technology" <oetech@fccsun27w.fcc.gov>  
**To:** <trlcs@supanet.com>  
**Sent:** 08 February 2006 21:58  
**Subject:** Response to Inquiry to FCC (Tracking Number 798203)

**Inquiry:**

Dear sirs Request for advice I have an applicant who has asked for certification of two pieces of equipment as follows:- Unit A is a copper to optical fibre converter with no frequency selection. It is wide-band, 88 to 1000MHz. Unit B is the inverse, optical fibre to copper, again, 88 to 1000MHz. Both units are usually integrated into Booster type equipment for in-building transmission enhancement. Other parts of the system determine frequency of operation, bandwidth, channel spacing etc. The applicant wishes to build systems from standard building blocks to minimise testing each time he produces a bespoke equipment for a particular application The question is: Can these two units be certified in their own right, and each carry their own FCC ID? Guidance please Regards Paul Harris trlcs@supanet.com www.trlcompliance.com

**---Reply from Customer on 02/03/2006---**

Inquiry Tracking Number 798203 In response to e-mail of 31 Jan 06 from FCC. Q1 - Does the device contain an RF transmitter? A1 - The device does generate an RF signal, however this signal is fed to either a bi-directional amplifier for driving a lossy feeder, or to a 'base transceiver' which in turn is connected to an antenna. Typical RF output level is 0.01 W. I have also submitted block diagrams of both units, optical to RF and RF to optical. If further info is required please get back to me. Regards Paul Harris trlcs@supanet.com

**Response:**

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It appears from the information given that these devices can be considered a transmitter, however, they must be operated as a system to be fully functional and assure compliance with FCC rules. In accordance with the FCC/OET Amplifier, Booster, and Repeater Reminder Sheet each of the two "converters" can receive an FCC ID but they must be tested as part of a specific system. See KDB publication 935210.

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