



Request for Modular Approval of BLT 3 LAN Transceiver

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This document is a cover letter to be part of a FCC compliance documentation package of the SchlumberSema BLT 3 LAN Transceiver, requesting approval of BLT 3 to be Certified as having met requirements for PART 15 UNLICENSED MODULAR TRANSMITTER APPROVAL (DA 00-1407, Released: June 26, 2000).

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Request

SchlumberSema requests Modular Transmitter Approval of the BLT 3 Transceiver product line (SLB part numbers: 26-0288 & 26-0166) having addressed the numbered requirements as listed in the FCC document: PART 15 UNLICENCED MODULAR TRANSMITTER APPROVAL (DA 00-1407, Released: June 26, 2000) pages 2 and 3.

Numbered Requirements

1. The modular transmitter must have its own RF shielding.

The BLT 3 transceiver's transmitter section is enclosed with its own RF shield and the BLT 3 unit has passed all emissions testing from a FCC authorized test facility.

2. The modular transmitter must have buffered modulation/data inputs.

The modulation/data inputs (of the transmit section) are pre-set in firmware. The BLT 3 has been tested at a FCC authorized test facility to verify compliance of the Part 15 requirements.

3. The modular transmitter must have its own power supply regulation.

The transmitter section of BLT 3 is power regulated from a DC to DC converter that is integral to the Printed Circuit Board Assembly.

4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c).

The BLT 3 employs OSX type connectors at its antenna ports. Installations have a cable, OSX to Type 'N', with the antenna connected to the Type 'N' connector. A whip-type of di-pole antenna is used. The Device will required professional installation.

5. The modular transmitter must be tested in a stand-alone configuration.

The BLT 3 was tested as a stand-alone unit at a FCC authorized test facility to verify compliance of the Part 15 requirements. The BLT 3 unit meets the AC line conducted requirements as listed in Section 15.207. Connections to the BLT 3 include DC power and serial input/output lines that are each greater than 10 centimeters in length.

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 BLT 3 unit displays a FCC label attached to the top cover. The installation manual instructs the integrator to place an the following wording on the exterior FCC label of the final product: *Contains Transmitter Module*
FCC ID: F9C26-0288.

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 BLT 3 should be installed and operated as per the installation manual.

8. The modular transmitter must comply with any applicable RF exposure requirements.

To ensure compliance with FCC RF exposure requirements, the antenna used for this device must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or radio transmitter. Installers and end-users must follow the installation instructions provided in this user guide.