

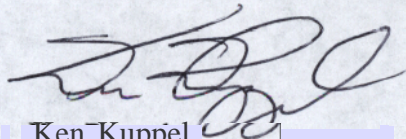
In addition, the **LYNX.sc6 (4E)** must be set up for the specific line interface required during installation. This procedure must be **can-led** out by a **qualified** professional installer for the equipment to operate properly.

The output power of the **LYNX.sc6 (4E)** radio will be adjusted to meet any applicable **EIRP** limits by the professional installer during installation. The method of adjusting the output power is described in the manual written for use by professional trained installers.

The **LYNX.sc6 (4E)** is a full duplex device with a common transmit and receive **port**. The addition of an external amplifier to boost the transmit power would disable the receive signal, thus rendering the **LYNX.sc6 (4E)** inoperable. In addition, high power amplifiers (not generally available at 5.8 **GHz**) cannot be used without ensuring that signal saturation does not occur (because this would produce unrecoverable deterioration of the receive signal). Thus, the addition of an amplifier could not be accomplished by a non-professional installer.

The **LYNX.sc6 (4E)** is typically sold without an antenna, and the customer and/or installation engineer chooses from commercially available antennas. From time to time, Glenayre Western Multiplex may sell a commercially available antenna along with the **LYNX.sc6 (4E)** upon customer request. %

Prior to testing of the **LYNX.sc** series of radios, Greg Czumak and Ed Gibbons of the Federal Communications Commission reviewed a list of commercially available antennas, which Glenayre Western Multiplex provided, for the purposes of determining which antenna would be appropriate for compliance testing. The Comsat RSI Mark Antenna Model **#P-57C24N-1** was chosen for the **LYNX.sc6 (4E)** test as it is a reasonable representation of a typical antenna that would be used with this radio. Evaluation of the results with this antenna can be easily **extrapolated for larger size antennas.**



Ken Kuppel
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