



935 Stewart Drive, Sunnyvale, CA, USA94085
Tel (408) 731 2700, Fax (408)731 3675

**STATEMENT THAT HZB-S58-GX1 MUST BE PROFESSIONALLY INSTALLED AND
SO IS EXEMPT FROM THE ANTENNA RESTRICTIONS OF FCC PART 15.203,
INCLUDING INFORMATION ON ANTENNAS USED FOR TESTING**

This letter is submitted with regards to professional installation of the HZB-S58-GX1 radios and the antennas used for testing. The HZB-S58-GX1 radios must be professionally installed and so is exempt from the antenna restrictions of FCC Part 15.203. The HZB-S58-GX1 is a group of products manufactured by Proxim Corporation in Sunnyvale, California.

The HZB-S58-GX1 is to be certified for operation under Part 15.247 and 15.407 of the FCC Rules in the 5.25-5.35 GHz, 5.725-5.825 GHz and 5.725-5.850 GHz bands. The equipment is designed for point-to-point communications and will carry data signals using T1/E1/DS3 or Ethernet interfaces. Due to the unique requirements of installation and integration of these systems, typical consumers or businesses will not have the proper training required for successful implementation of these systems.

The HZB-S58-GX1 is not designed for use by the general public, and will be sold as follows:

- Through the Proxim sales force to professional communications users
- Through designated and professionally trained Proxim Value Added Resellers to business users under individual reseller agreements.

These companies will either use their professional telecommunications engineering staff to carry out the installation or will subcontract to professional installation firms. On occasion, a professional installation firm will purchase the HZB-S58-GX1 radios directly.

The HZB-S58-G1X radio will be used for fixed, permanent or temporary, outdoor links requiring the use of directional antennas at 5 GHz band, which tend to be mounted on towers. These antennas will have narrow beam-widths and require professional installers to align them.

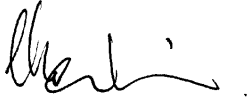
In addition, the HZB-S58-GX1 radio must be set up for the specific line interface required during installation. This procedure must be carried out by a qualified professional installer for the equipment to operate properly.

The output power of the HZB-S58-GX1 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 HZB-S58-GX1 radio is a full-duplex device with a common transmit/receive port. The addition of an external amplifier to boost the transmit power would disable the receive signal, thus rendering the HZB-S58-GX1 radio inoperable. In addition, high power amplifiers (not generally available at 5.2-5.8 GHz) cannot be used without ensuring that signal saturation does not occur (because this would produce unrecoverable deterioration of the receive signal). Thus, a non-professional installer could not accomplish the addition of an amplifier.

The HZB-S58-GX1 radio is typically sold without an antenna, and the customer and/or installation engineer chooses from commercially available antennas. From time to time, Proxim may sell a commercially available antenna along with the HZB-S58-GX1 radio upon customer request.

Proxim has also included detailed instructions on how to determine the maximum output power based on EIRP limits for all professional installers to follow.

A handwritten signature in black ink, appearing to read 'Caroline Yu', with a stylized flourish at the end.

Caroline Yu

Regulatory Compliance Manager
Proxim Corporation