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Federal Communications Commission  
Authorization and Evaluation Division  
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**RE: Response to FCC Requests**  
**Correspondence Reference Numbers: 14067**  
**FCC IDs: HZB-S24-04**  
**Form 731 Confirmation Numbers: EA96697**

**Attn: Joe Dichoso**

Dear Mr. Dichoso:

This is in response to your request 14067 regarding the application of HZB-S24-04 product.

- 1. Please find in the following table detailed information of some antennas we recommend as examples. Since there are numerous antenna manufacturers and product models in the market, this is only a partial list.

| Antenna Type     | Manufacturer        | Model Number | Mid-band Gain (dBi) |
|------------------|---------------------|--------------|---------------------|
| 2 foot Parabolic | Gabriel Electronics | SSP2-23      | 20.7                |
| 3 foot Parabolic | Gabriel Electronics | SSG3-23A     | 23.9                |
| 4 foot Parabolic | Andrew              | FP4-23D      | 26.5                |
| 4 foot Parabolic | Gabriel Electronics | SSG4-23A     | 26.7                |
| 6 foot Parabolic | Andrew              | FP6-23D      | 30.4                |
| 6 foot Parabolic | Gabriel Electronics | SSG6-23A     | 30.1                |
| 8 foot Parabolic | Andrew              | FP8-23D      | 32.7                |
| 8 foot Parabolic | Gabriel Electronics | SSG8-23      | 32.6                |

- 2. Please find the attached manual page for a more specific description of the point-to-point applications.

I hope I have addressed your concerns. Please contact the undersigned should there be any further questions.

Yours truly

Caroline Yu  
International Product Manager  
Western Multiplex Corporation

# 1 How to Use This Manual

## 1.1 Manual Organization

The Installation and Maintenance Manual provides information required to install and maintain the LYNX.sc and to use its many features to the fullest advantage. This manual is divided into the following sections:

- |                   |  |
|-------------------|--|
| <b>Section 1</b>  | Provides instructions on how to most effectively utilize the information in this manual.                             |
| <b>Section 2</b>  | Provides a brief description and specifications of the LYNX.sc.  |
| <b>Section 3</b>  | Explains the LYNX.sc installation and adjustments in detail.   |
| <b>Section 4</b>  | Provides maintenance, repair and troubleshooting information for the LYNX.sc Spread Spectrum radios.                 |
| <b>Appendices</b> | Charts and diagrams are provided for radio connections and DIP switch settings along with other general information. |



*This device must be professionally installed. Instructions on setting the transmitter RF output power are contained in Section 3 of this Manual.*



*This device is to be used exclusively for fixed point-to-point operation that employs directional antennas. Fixed point-to-point operations exclude the use of point-to-multi-point antennas, omni-directional antennas and multiple co-located transmitters transmitting the same information.*