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December 1, 1999

Mr. Kwok Chan  
Federal Communications Commission

SUBJECT: Tellumat (Pty) Ltd.'s FCC ID: ONJMDR2400-EHD

REF: Correspondence ID # 10784

Dear Mr. Chan:

With reference to your request of 11/23/99, I have sent a new user's manual that should have all of the required information included now. In addition, I have the following responses to your request:

1. The reference in the manual has been corrected; this should apply to public and personnel.
2. Please correct 24 dBm to 24 dBi. The power should only be reduced for the 24 dBi parabolic. The updated manual explains how to calculate the power level for the different antenna gains to comply with the FCC regulations.

3 and 4. The Aironet radio has a 100 mW output power. Tellumat adds an amplifier to boost the power level to about 1W (30 dBm). All these components and the duplexer are inside this unit (FCC ID: ONJMDR2400-EHD), as per the block diagrams sent with the application. The output power level is adjustable through the user interface, and depending on the antenna used, the installer will adjust the power level to comply with the FCC regulations. This is all explained in the manual. For the 24 dBi antenna, the power level is adjusted to 200 mW.

5. Tellumat does not wish for the grant to be limited to 200 ft tower mounted applications as it could be roof-top, mountain top, or any fixed mount application. The antennas used are "directional antennas" so mobile use would not be possible. The device this application is for requires fixed installation and the indoor unit – which is filed under another FCC Identifier – is rack mounted; therefore this system could not be used mobile. The antenna installation is for any antenna. The 18 dBi antenna is referred to as an example. This particular antenna is supplied with two other systems – One of which has been submitted under another FCC Identifier and one that will be submitted under a different FCC Identifier. For this particular system, the 17 dBi Yagi or 24 dBi parabolic can be used. The same general installation procedures apply.

Regards,

Sharon Hoffman/TIMCO ENGINEERING, INC.