

EXHIBIT 17-1 – ENVIRONMENTAL PROTECTION

Compliance with OET 65

According to 47 C.F.R. 1.1307(b)(1) Table 1, any “Part 74 – Subpart L” facility with an ERP greater than 100 watts, is subject to routine environmental evaluation. As the facility proposed in this application will operate with an ERP of 250 watts, an analysis of the predicted radiofrequency exposure has been conducted.

The proposed transmitting antenna is a vertically polarized Scala type CL-FM/VRM/50N. This antenna employs a log-periodic design that reduces radiation above, below and behind the antenna to a very low level. See Exhibit 17-2, “Vertical Plane Pattern”, provided by Scala.

The antenna is mounted with its center of radiation at 6 meters above ground level, and is situated on a mountaintop site five meters from a cliff, at which the ground level drops off vertically. Therefore, the only exposure possible to the public or personnel is from directly below the antenna to five meters from the main lobe of the antenna. Calculations have been performed to determine the potential exposure at head height of two meters above ground level, as follows.

<u>DISTANCE FROM ANTENNA</u>	<u>RADIATED POWER</u>	<u>HUMAN EXPOSURE</u>
Directly Below Antenna (4.0 M.)	0.025 Watts	very low
1 meter forward (4.12 M.)	0.025 Watts	very low
2 meters forward (4.47 M.)	1.19 Watts	0.0005 mW/cm ²
3 meters forward (5.0 M.)	9.3 Watts	0.003 mW/cm ²
4 meters forward (5.66 M.)	32.5 Watts	0.0081 mW/cm ²
5 meters forward (6.4 M.)	59.75 Watts	0.0117 mW/cm ²

The edge of the cliff is at 5 meters so no human exposure will take place in the main lobe of the antenna at a distance of more than 5 meters.

As the maximum permissible continuous public exposure is 0.2 mW/cm², the above calculations demonstrate full protection for public exposure.

Paulino Bernal Evangelism will fully cooperate with other site users to temporarily reduce power or cease broadcasting, as necessary, to protect workers and others having access to the site from excessive levels of RF exposure.