

## **EXHIBIT E-3**

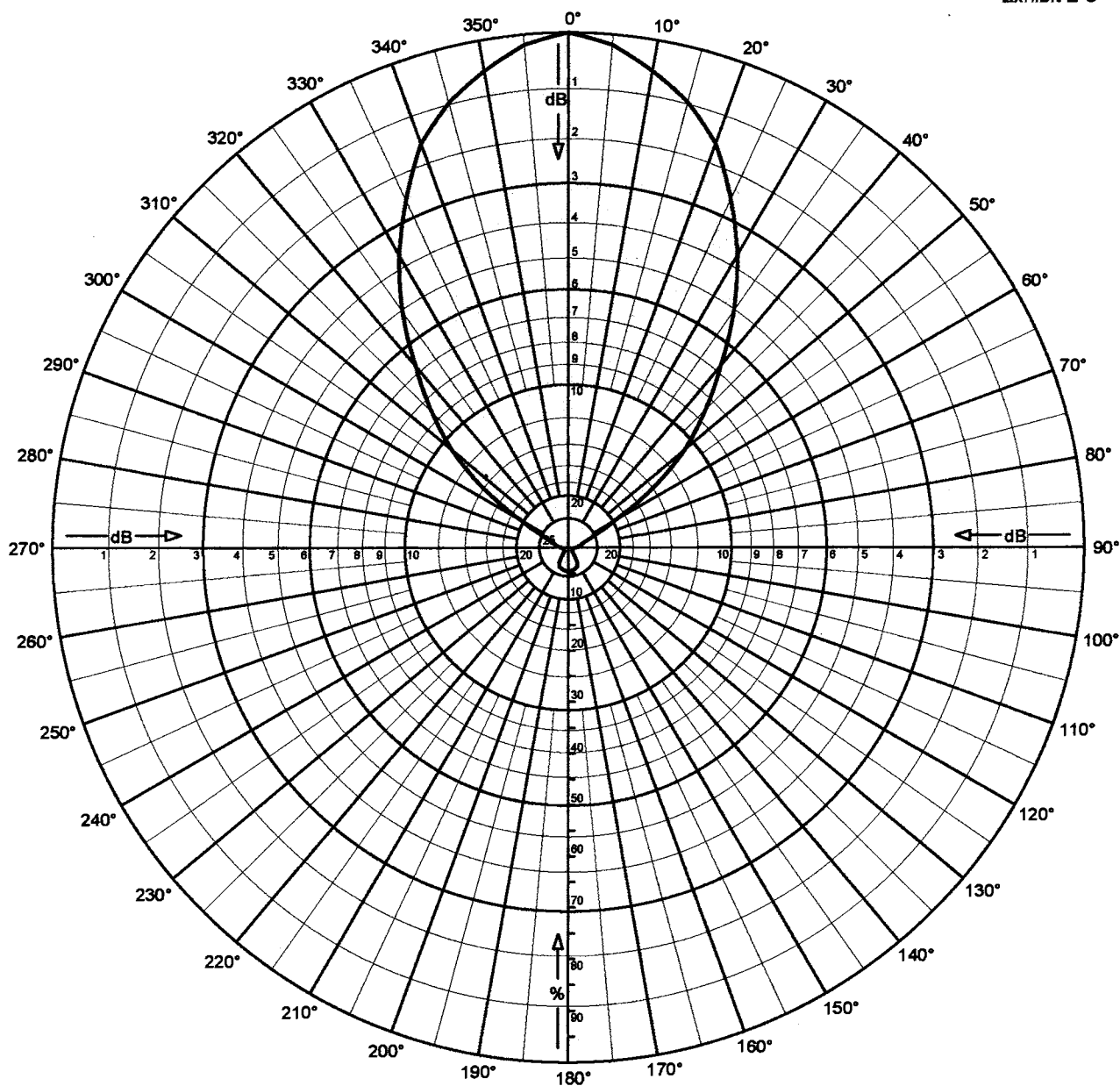
### **DIRECTIONAL ANTENNA STATEMENT**

The directional pattern of the proposed antenna as shown in the second page of this exhibit exceeds the 10 dB limit of §73.685(c). However, the transmitter site is located near the Sitka waterfront and near the edge of the population.

The antenna pattern was chosen to provide full coverage of the populated area with a signal well in excess of the required "Principal Community" value (35 dBμ, F50/90). Radiation over a wider angle would only result in wasted signal over the ocean or over unpopulated land areas.

A waiver of the 10 dB maximum to minimum ratio of §73.685© is requested.

BWS  
07/12/2005



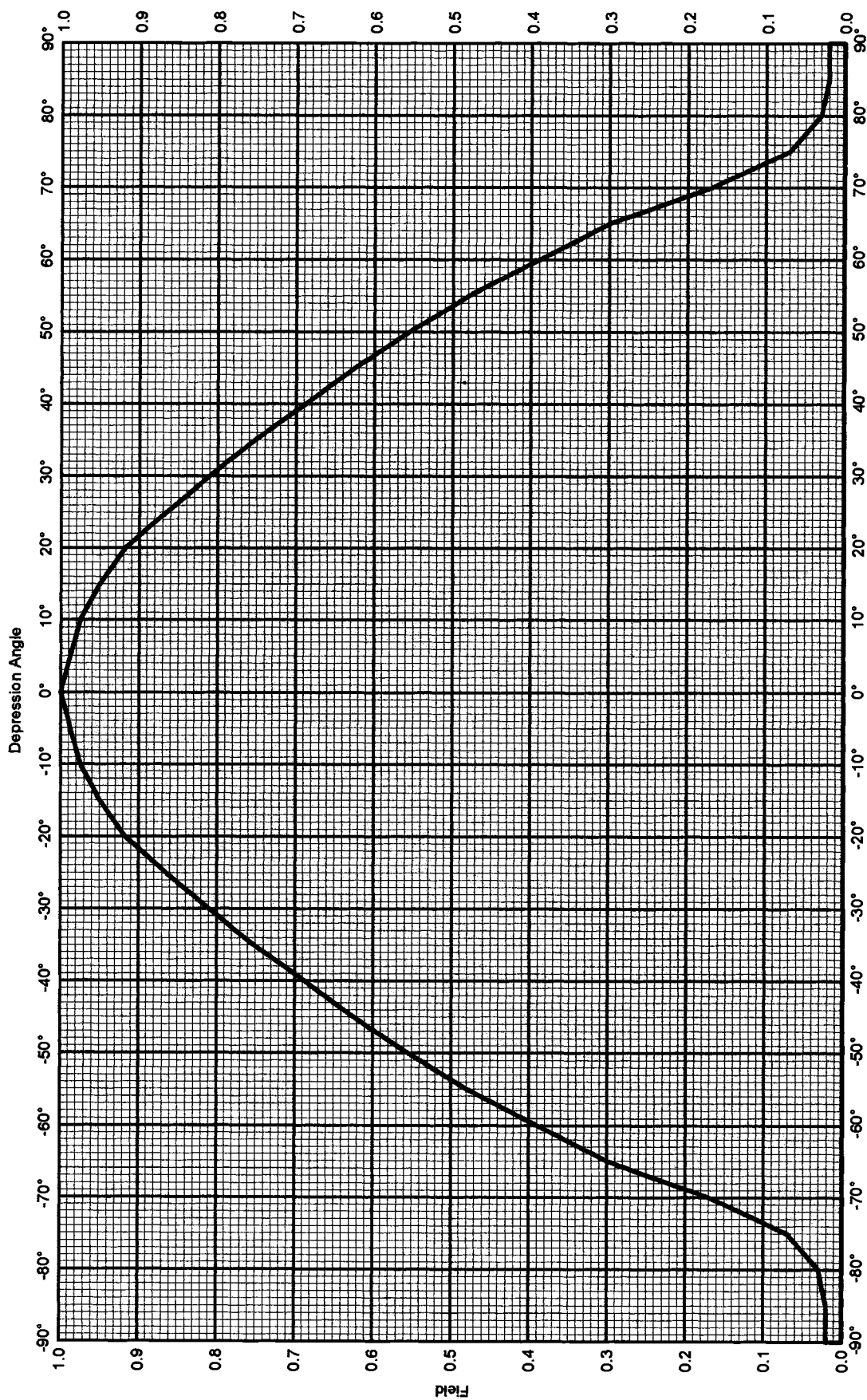
One CL-26 Log-periodic Antenna

Broadband 54 - 88 MHz.

Gain: 8.2 dBd

Horizontal Polarization

Horizontal plane Pattern



Vertical plane Pattern

One CL-26 Log-periodic Antenna

Broadband 54 - 88 MHz.

Gain: 8.2 dBd

Horizontal Polarization



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