Name: **APELUX228V01**

Type: Earth station, Receiving and Transmitting

Description:

Earth station antenna pattern submitted by LUX for earth station type TER-M(L).

Required Input Parameters:

gain

Validation Warnings/Errors:

Type	Message
Error	Gmax () is less than G(Phi1) (). Gmax is too low.

Co-Polar Component:

$G = G_{max}$ for $0° \leq \varphi < \varphi_1$

$G = Max(CoefA – CoefB * \log \varphi, G_{min})$ for $\varphi_1 \leq \varphi \leq 180°$

where:

$\varphi_1 = 25°$

$CoefA = 44$

$CoefB = 26$

$G_{min} = -5$