Name: APEUSA247V01
Type: Earth station, Receiving

Description:
Earth station antenna pattern submitted by USA for networks of GOES-2 series for EMWIN station. Maximum antenna gain is 24 dB.

Required Input Parameters:  

Validation Warnings/Errors: None

Co-Polar Component:

\[ G = G_{\text{max}} \quad \text{for } 0^\circ \leq \varphi < \varphi_1 \]
\[ G = \text{Max}(\text{CoefA} - \text{CoefB} \ast \log \varphi, G_{\text{min}}) \quad \text{for } \varphi_1 \leq \varphi \leq 180^\circ \]

where:
\[ G_{\text{max}} = 24 \]
\[ \varphi_1 = 0.1^\circ \]
\[ \text{CoefA} = 15.6 \]
\[ \text{CoefB} = 8.4 \]
\[ G_{\text{min}} = 1.7 \]