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:

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Validation Warnings/Errors: None

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:

$G_{max} = 24$

$\varphi_1 = 0.1°$

$CoefA = 15.6$

$CoefB = 8.4$

$G_{min} = 1.7$