

Name: APEEST256V01**Type:** Earth station, Receiving**Description:**

Earth station antenna pattern submitted by EST for network ESTCUBE-2 for parabolic antenna in 2.4 GHz downlink. Gmax = 34 dB.

Required Input Parameters:

gain

Validation Warnings/Errors: None**Co-Polar Component:**For $0^\circ \leq \varphi \leq 180^\circ$:

$$G = G_{\max} - 2.989 \varphi + 0.1143 \varphi^2 - 2.005e-3 \varphi^3 \\ + 1.733e-5 \varphi^4 - 7.357e-8 \varphi^5 + 1.234e-10 \varphi^6$$