

Name: APEUAE230V01**Description:****Type:** Earth station, Receiving and Transmitting

Earth station antenna pattern submitted by UAE for 6 dB earth station.

Required Input Parameters:

gain

Validation Warnings/Errors:

Type	Message
Error	Gmax () is less than 6 (). Gmax is too low.

Co-Polar Component:

$$G = G_{\max} \quad \text{for } 0^\circ \leq \varphi < 60^\circ$$

$$G = -0.003 \varphi^2 + 0.358 \varphi - 4.68 \quad \text{for } 60^\circ \leq \varphi < 90^\circ$$

$$G = -0.1598 \varphi + 17.622 \quad \text{for } 90^\circ \leq \varphi < 130^\circ$$

$$G = -3.15 \quad \text{for } 130^\circ \leq \varphi \leq 180^\circ$$