

Name: APEUAE232V01**Description:****Type:** Earth station, Receiving

Earth station antenna pattern submitted by UAE for receiving 7 dB earth station.

Required Input Parameters:

gain

Validation Warnings/Errors:

| Type | Message |
|-------|---|
| Error | Gmax () is less than 7 (). Gmax is too low. |

Co-Polar Component:

$$G = G_{\max} \quad \text{for} \quad 0^\circ \leq \varphi < 20^\circ$$

$$G = -0.0061 \varphi^2 + 9.44 \quad \text{for} \quad 20^\circ \leq \varphi < 42^\circ$$

$$G = -1.3204 \quad \text{for} \quad 42^\circ \leq \varphi < 65^\circ$$

$$G = -0.1527 \varphi + 8.6051 \quad \text{for} \quad 65^\circ \leq \varphi < 76^\circ$$

$$G = -3 \quad \text{for} \quad 76^\circ \leq \varphi \leq 180^\circ$$