

**Name:** APEUAE251V01**Type:** Earth station, Receiving**Description:**

Earth station antenna pattern submitted by UAE for networks of MADAR series: TYPICAL-KA-35, downlink. Maximum antenna gain is fixed to 35 dB.

**Required Input Parameters:**

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**Validation Warnings/Errors:** None**Co-Polar Component:**

$$G = 35 - 0.89032 \varphi^2 \quad \text{for } 0^\circ \leq \varphi < 3.1^\circ$$

$$G = 26.444 \quad \text{for } 3.1^\circ \leq \varphi < 4.7^\circ$$

$$G = 43.2465 - 25 \log \varphi \quad \text{for } 4.7^\circ \leq \varphi < 50^\circ$$

$$G = -10 \quad \text{for } 50^\circ \leq \varphi \leq 180^\circ$$