

Name: APEPNG238V01**Type:** Earth station, Transmitting**Description:**

Earth station antenna pattern submitted by PNG for network RAGGIANA-21 TYPICAL-AES. Maximum antenna gain is fixed to 32 dB.

Required Input Parameters:

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

$$\begin{aligned} G &= 32 - 0.27778 * \varphi^2 && \text{for } 0^\circ \leq \varphi \leq 6^\circ \\ G &= 39 - 22 * \log \varphi && \text{for } 6^\circ < \varphi \leq 125^\circ \\ G &= -10 && \text{for } 125^\circ < \varphi \leq 180^\circ \end{aligned}$$