

Name: APSEST640V01**Type:** Space station, Transmitting**Description:**

Space station antenna pattern submitted by EST for network ESTCUBE-2 for patch antenna for 2.4 GHz downlink. Gmax = 8 dB.

Required Input Parameters:

gain

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

$$G = 8 - 7.91e-6 \varphi - 2.e-3 \varphi^2 + 3.35e-8 \varphi^3 + 4.08e-8 \varphi^4 \quad \text{for } 0^\circ \leq \varphi \leq 150^\circ$$

$$G = -16 \quad \text{for } 150^\circ < \varphi \leq 180^\circ$$