Co-Polar Component:

\[
G = 14 - 0.003 \varphi^2 \quad \text{for} \quad 0^\circ \leq \varphi < 11.4^\circ
\]

\[
G = 10.1 \quad \text{for} \quad 11.4^\circ \leq \varphi < 28.8^\circ
\]

\[
G = 52 - 10 \log D/\lambda - 25 \log \varphi \quad \text{for} \quad 28.8^\circ \leq \varphi < 73^\circ
\]

\[
G = 0 \quad \text{for} \quad 73^\circ \leq \varphi \leq 180^\circ
\]

where

\[D = 0.3 \text{ m}\]

frequency is 1.6 GHz

---

**Name:** APEMLA243V01

**Type:** Earth station, Transmitting

**Required Input Parameters:**

- 

**Validation Warnings/Errors:** None

**Description:**

Earth station antenna pattern submitted by MLA for networks of MEASAT series: TYPICAL-M3, uplink. Maximum antenna gain is fixed to 14 dB, antenna diameter is 0.3 m, frequency is 1.6 GHz.