

Name: APENST809V01**Description:****Type:** Earth station, Receiving and Transmitting

Non-standard generic earth station antenna pattern described by angle phi1 and Gmin = 0dB.

Region(s): 123**Required Input Parameters:**

gain,phi1

Validation Warnings/Errors:

Type	Message
Error	Phi1 () is out of limits [1:180].

Pattern Information:

Pattern is equal to the maximum antenna gain for angles up to Phi1 and minimum antenna gain 0 dB for angles greater than Phi1.

Co-Polar Component:
 $G = G_{\max}$ for $0^\circ \leq \varphi < \text{Phi1}$
 $G = G_{\min}$ for $\text{Phi1} \leq \varphi \leq 180^\circ$
 $G_{\min} = 0$