Name: APENST810V01

Type: Earth station, Receiving and Transmitting

Region(s): 123

Description:

Non-standard generic earth station antenna pattern described by angle phi1 and Gmin = -1dB.

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 -1 dB for angles greater than Phi1.

Co-Polar Component:

$G = G_{max}$ for $0° \leq \varphi <$ Phi1

$G = G_{min}$ for Phi1 $\leq \varphi \leq 180°$

$G_{min} = -1$