Name: APEREC028V01

Description:

Type: Earth station, Receiving and Transmitting

Region(s): 123

Required Input Parameters:

gain

Validation Warnings/Errors:

Type Error Message

Pattern Information:

Recommendation ITU-R M.1091, annex 1 reference radiation pattern for transportable or vehicle-mounted earth station antennas with a gain of 12 to 18 dB and with a frequency between 1 to 3 GHz for use in the land mobile-satellite service.

Co-Polar Component:

| G = G _{max} | for $0^{o} \leq \phi \leq \phi_1$ |
|--------------------------------|---|
| $G = CoefA - CoefB * log \phi$ | for $\phi_1 < \phi < \phi_b$ |
| $G = G_{min}$ | for $\phi_{b} \leq \phi \leq 180^{\circ}$ |
| where: | |
| CoefA = 44 | |
| CoefB = 25 | |
| G _{min} = -5 | |
| $\phi_1 = 40^{\circ}$ | |
| $\phi_b = 90^\circ$ | |
| | |

Gmax () is less than 4 (). Gmax is too low.

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