

7.5.4 Mobile station



Figure 183: Cellular system - Mobile station GUI

Table 24: Cellular system - Mobile station parameters

Description	Symbol	Type	Unit	Comments
Antenna height	H_{MS}	Distribution or Scalar	m	Height of user terminal in meters. Note that the assumed antenna height definition (above ground, above local clutter, effective antenna height) should correspond to the selected propagation model.
Antenna gain	G_{Tx}, G_{Tx}	Distribution or Scalar	dB	An omni directional antenna pattern is assumed. Depending on the link direction, it can be either the gain of the Tx (UL) or the Rx (DL)

Mobility	-	Distribution or Scalar	Km/h	<p>Distribution of speed among the users. These speeds have to conform to the speed options in the selected Link Level Data (Section 8.5).</p> <p>For simplicity SEAMCAT assumes four different speeds, assigned to mobile users with uniform probability:</p> <ul style="list-style-type: none"> • 0 km/h - No movement, • 3 km/h - Walking, • 30 km/h - Urban driving, • 100 km/h - Motorway driving
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