

# Introduction

The General settings tabsheet contains a range of CDMA system parameters as well as some parameters that depend on the modelled direction of CDMA link (uplink vs. downlink). 7 panels characterised the CDMA system. The below graphic represent the CDMA UL when a victim.

The screenshot displays the 'General settings' tabsheet for CDMA Uplink (UL) when a victim. The interface is organized into several panels:

- CDMA General Settings:** Receiver noise figure (4.0 dB), Handover margin (4.0 dB), Call drop threshold (3.0 dB), Voice bit rate (9.6 kbps), Reference bandwidth (1.25 MHz), Minimum coupling loss (70.0 dB), Voice activity factor (1.0), Link Level Data, and W-CDMAUMTS: 835.0 MHz.
- Receiver settings:** Blocking mask/ACS [Constant (0.0)] (0.0 dB).
- Transmitter settings:** Emissions mask [User defined ...] (dBc/Ref.BW), Emissions floor [Spectrum Emis...] (dBm/Ref.BW).
- CDMA Uplink:** Target network noise rise (5.5 dB), Target cell noise rise (0.1 dB), MS max. transmit power (25.0 dBm), MS power control range (75.0 dB), PC convergence precision (0.001 dB).
- CDMA Capacity:** Init users per cell (20), Simulate non-interfered capacity (checked), Delta users per cell (20), Number of trials (20), Target noise rise precision (0.05 dB).
- Local Environments:** Receiver and Transmitter both set to '100% Outdoor'.
- Propagation Model:** Library (Extended Hata), Name (Extended Hata), Description, Variations (checked), General environment (Urban), Propagation environment (Above roof), Wall loss (indoor indoor) (5.0 dB), Wall loss std. dev. (indoor indoor) (10.0 dB), Loss between adjacent floor (18.3 dB), Empirical parameters (0.46), Size of the room (4.0 m), Height of each floor (3.0 m).

**Figure 187: CDMA UL general settings**

The only differences with CDMA DL are the following 2 panels (CDMA Downlink and CDMA Capacity).

CDMA Downlink	
Success threshold	0.5 dB
Pilot channel fraction	0.15
Overhead channel fraction	0.05
Max. broadcast power	40.0 dBm
Max. traffic channel fraction	0.15

  

CDMA Capacity	
Init users per cell	20
<input checked="" type="checkbox"/> Simulate non-interfered capacity	
Delta users per cell	20
Number of trials	20
Tolerance of initial outage	5.0 %

**Figure 188: CDMA DL general settings difference with CDMA UL**

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