**BS TRANSMITTED POWER** = from 5W to 40W (MACRO CELLS) - from 25mW to 1,58W (MICRO CELLS)

**MS TRANSMITTED POWER** = 1W (1800 MHz) - 2W (900 MHz) - POWER CONTROL: down to 1mW

**MAXIMUM CELL SIZE** = 35Km

**MODULATION:** FTDMA

**BANDS:**

1) **900 MHz** (UPLINK: 890-915 - DOWNLINK: 935-960)

* Total Bandwidth: 25 MHz
* Bandwidth available for the operator: 5 MHz
* Number of frequency channels: 124 (200KHz each)
* 25 subcarriers per operator
* 8 full-rate or 16 half-rate time slots per channel
* Frame duration: 4,615ms
* Channel data rate: 270,833 kbit/s
* Total number of time slots: 200

2) **1800 MHz** (UPLINK: 1710,2-1784,8 - DOWNLINK: 1805,2 - 1879,8)

Channel Number: 512-885

**MINIMUM REQUIRED C/I:** > 9dB

**RX SENSIVITY:**

MIN RX-LEVEL(MS) = -102dBm

MIN RX-LEVEL(BS) = -104dBm

PATH LOSS EXPONENT: urban environment: 3 or 4

CELL RADIUS: ?

CLUSTER SIZE: ?