## RF EXPOSURE INFO

# GSM operations at the 850 MHz Band

## Used limit for 850MHz fixed operation

- A) 0.57mW/cm2 @ 20cm=2.865W (34.57dBm) as per §1.1310 table 1B
- B) 1000 W ERP for Cellular Radiotelephone Service as per §1.1307 Table 1

### Max. permitted Antenna gain where no routine evaluation is required:

Ant. Gain = 34.57dBm - measured cond. Power = 34.57-32.59 = 1.98dBi - 2.14= -0.16dBD

#### Used limit for 850MHz mobile operation:

- C) 0.57mW/cm2 @ 20cm=2.865W (34.57dBm) as per §1.1310 table 1B
- D) 1.5 W (31.76dBm )ERP for frequencies below 1.5 GHz as per §2.1091(c)

#### Max. permitted Antenna gain where no routine evaluation is required:

Ant. Gain = 31.76dBm - measured cond. Power = 31.76-32.59 =-0.83dBD

# GSM operations at the 1900 MHz Band

#### Limit for 1900MHz fixed operation:

1mW/cm2 @ 20cm=5W (37dBm)

Ant. Gain = 37dBm - measured cond. Power = 37-29.82 = 7.18dBi

#### Limit for 1900MHz mobile operation:

2W (33dBm) EIRP

Ant. Gain = 33dBm - measured cond. Power = 33-29.82 = 3.18dBi

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