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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