

## 6. Safety Human Exposure

### 6.1 RF Exposure Compliance

#### 6.1.1 Power Density

##### Results

Separation distance is more than 20 cm, thus mobile device exposure limits can be applied.

##### Maximum Exposure:

Power to Antenna (dBm)	13.66 dBm
Antenna Gain	1.04 dBi
Power+Ant Gain	29.5 mW
Distance	20 cm
S=	0.006 mW/cm <sup>2</sup>

$$902.1375/1500 \text{ mW/cm}^2 = 0.6 \text{ mW/cm}^2$$

##### Limit

300-1500 MHz

f/1500 mW/cm<sup>2</sup>