MPE Calculation : WCDMA850

Frequency range :	**826.40**	**MHz ~**	**846.60**	**MHz**
Max Target power :	**25.50**	**dBm**		
Measured Conducted power :	**24.04**	**dBm**		
Maximum antenna gain (Available) :	**5.60**	**dBi (3.45 dBd)**		
Maximum EIRP :	**31.10**	**dBm(1288.250)mW**		

The EUT will only be used with a separation of 20 centimeters or greater between the antenna and the body of the user.

The MPE calculation for this exposure is shown below.

- **Calculation of power density at the specific separation**

▪ **S** = EIRP / (4 R^2 π)	**- Note**
= **1288.250** / (4 X 20^2 X π)	S = Maximum power density(mW/cm^2)
= **0.26** mW/cm^2	EIRP = Equivalent Isotropic Radiated Power(mW)
	R = Distance to the center of the radiation of the antenna(20cm)

- **Requirment = 0.55 mW/cm²**
  (FCC Part 1.1310 Table 1 Limits for maximum permissible exposure(MPE)

Conclusion : The exposure condition of this device is compliant with FCC rules.

MPE Calculation : WCDMA1900

Frequency range :	**1852.40**	**MHz ~**	**1907.60**	**MHz**
Max Target power :	**25.50**	**dBm**		
Measured Conducted power :	**23.68**	**dBm**		
Maximum antenna gain (Available) :	**7.50**	**dBi**		
Maximum EIRP :	**33.00**	**dBm(1995.262)mW**		

The EUT will only be used with a separation of 20 centimeters or greater between the antenna and the body of the user.

The MPE calculation for this exposure is shown below.

- **Calculation of power density at the specific separation**

▪ **S** = EIRP / (4 R^2 π)	**- Note**
= **1995.262** / (4 X 20^2 X π)	S = Maximum power density(mW/cm^2)
= **0.40** mW/cm^2	EIRP = Equivalent Isotropic Radiated Power(mW)
	R = Distance to the center of the radiation of the antenna(20cm)

- **Requirment = 1.00 mW/cm²**
  (FCC Part 1.1310 Table 1 Limits for maximum permissible exposure(MPE)

Conclusion : The exposure condition of this device is compliant with FCC rules.