RF Exposure evaluation

MPE Calculation Method E $(V/m) = (30*P*G)^{0.5}/d$ Power Density: Pd $(W/m2) = E^2/377$ E = Electric Field (V/m)P = Peak RF output Power (W)G = EUT Antenna numeric gain (numeric) d = Separation distance between radiator and human body (m) The formula can be changed to Pd = $(30*P*G) / (377*d^2)$ From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained. Ant 1: 3.5dBi

Ant 2: 1.7dBi

Directional gain =5.66dBi

Biggest output power is 788.04mW

Calculated Result and Limit(WORSE CASE IS AS BELOW)

Antenna	Peak Output	Power Density	Limit of Power	Test
Gain	Power (mW)	(S) (mW/cm2)	Density (S)	Result
(Numeric)			(mW/cm2)	
3.68	778.04	0.57	1	Compiles