SAR 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.

Directional	Peak Output	Power Density	Limit of	Test
AntennaGain	Power (mW)	(S)(mW/cm2)	Power	Result
(Numeric)			Density (S)	
			(mW/cm2)	
1 (OdBi)	26.841	0.00534	1	Compiles
	(14.288dBm@2412MHz)			

Calculated Result and Limit (WORSE CASE IS AS BELOW)