SAR evaluation

Test Standard	:	KDB447498D04 General RF Exposure Guidance v01
FCC ID	:	2A7R3-ASIAIRMINI

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 .

Calculated Result and Limit (WORSE CASE IS AS BELOW) 2.4G

2.40						
Directional antennaGain (Numeric)	Peak Output Power (mW)	Power Density (s) (mW/cm²)	Limit of Power Density (s) (mW/cm²)	Test Result		
5dBi(3.162)	16.08(802.11n40 2452)	0.2551	1	Compiles		
5G						
Directional antennaGain (Numeric)	Peak Output Power (mW)	Power Density (s) (mW/cm²)	Limit of Power Density (s) (mW/cm²)	Test Result		
3dBi(1.995)	14.16(802.11a 5240)	0.1034	1	Compiles		