

## 1. Limit for Portable Equipment Exposure

Frequency	1-g SAR
100MHz-6GHz	3.0

For 100 MHz to 6 GHz and test separation distances  $\leq 50$  mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR, and  $\leq 7.5$  for 10-g extremity SAR, where

$f(\text{GHz})$  is the RF channel transmit frequency in GHz

## 2. Estimation Result

Frequency (MHz)	PK Output Power(dBm)	Output Power(mW)	Test Separation Distance (mm)	Measurement Result	1-g SAR
915	-10.21	0.095	5	0.018	3.0

Note:

- use the maximum E-field strength(87.14dBuV/m) for the RF exposure evaluation
- $E(\text{dBuV/m}) = \text{EIRP}(\text{dBm}) - 95.2$  for distance 3m  
so the  $\text{EIRP} = 87.14\text{dBuV/m} - 95.2 = -8.06\text{dBm}$
- $\text{EIRP}(\text{dBm}) = \text{ERP} + 2.15\text{dBi}$   
so the  $\text{ERP} = -8.06\text{dBm} - 2.15\text{dBi} = -10.21\text{dBm}$

-----The End-----