



### 1. Limit for Portable Equipment Exposure

| Frequency   | 1-g SAR |
|-------------|---------|
| 100MHz-6GHz | 3.0     |

According to KDB 447498 D01 General RF Exposure Guidance v06 and part 2.1093

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

Model: YK14

| Frequency (MHz) | PK Output Power(dBm) | Output Power(mW) | Test Separation Distance (mm) | Measurement Result | 1-g SAR |
|-----------------|----------------------|------------------|-------------------------------|--------------------|---------|
| 433.92          | -12.2                | 0.0608           | 5                             | 0.008              | 3.0     |

Note:

- use the maximum E-field strength(84.86dBuV/m) for the RF exposure evaluation
- $E(\text{dBuV/m}) = \text{EIRP}(\text{dBm}) - 95.2$  for distance 3m  
so the  $\text{EIRP} = 83\text{dBuV/m} - 95.2 = -12.2\text{dBm}$

Model: YK20

| Frequency (MHz) | PK Output Power(dBm) | Output Power(mW) | Test Separation Distance (mm) | Measurement Result | 1-g SAR |
|-----------------|----------------------|------------------|-------------------------------|--------------------|---------|
| 433.92          | -10.83               | 0.083            | 5                             | 0.011              | 3.0     |

Note:

- use the maximum E-field strength(84.86dBuV/m) for the RF exposure evaluation
- $E(\text{dBuV/m}) = \text{EIRP}(\text{dBm}) - 95.2$  for distance 3m  
so the  $\text{EIRP} = 84.37\text{dBuV/m} - 95.2 = -10.83\text{dBm}$

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