

## Test Result of RF Exposure Evaluation

- . Product: UHF RFID Reader
- . Model No.: YRU-150
- . Test Item: RF Exposure Evaluation Data
- . Frequency Range: 902~928MHz

## Output Power into Antenna & RF Exposure Evaluation Distance

Test Date : Nov. 14, 2016      Temperature : 23°C  
Atmospheric pressure : 1015 hPa      Humidity : 64%

| Modulation Mode | Frequency Band (MHz) | Max. Conducted output power (dBm) | Antenna Gain (dBi) | Distance (cm) | Power Density (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) |
|-----------------|----------------------|-----------------------------------|--------------------|---------------|-------------------------------------|-----------------------------|
| ASK             | 903.24               | 24.27                             | 7                  | 20            | 0.2665                              | 0.6021                      |
| ASK             | 914.76               | 24.41                             | 7                  | 20            | 0.2753                              | 0.6098                      |
| ASK             | 926.76               | 24.52                             | 7                  | 20            | 0.2823                              | 0.6178                      |

The Max MPE is calculated as  $0.2823 \text{ mW} / \text{cm}^2 < \text{limit } 0.6178 \text{ mW} / \text{cm}^2$ . So, RF exposure limit warning or SAR test are not required.