

## RF exposure information

**FCC ID: XUJPADIVHD**

**Product name: Heavy duty/Medium duty/Light duty Vehicle Communication Interface**

**Models names: HD IV**

### **1. Introduction:**

This product is Heavy duty/Medium duty/Light duty Vehicle Communication Interface with Bluetooth (2402~2480MHz) function.

### **2. Output power considerations:**

Worst case output power: 3.364dBm = 2.170mW (at 2480MHz)

### **3. Compliance criteria:**

According to 447498 D01 General RF Exposure Guidance v05 the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

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

Where:

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

Calculate:

$$(2.170/5) \cdot \sqrt{2.48} = 0.683 < 3 \text{ for 1-g SAR}$$

Then SAR evaluation is not required.