

## Statement of compliance to SAR

### No. 180100315SHA-002

Applicant : ZHANG ZHOU EASTERN INTELLIGENT METER CO., LTD.  
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Product Name : Digital Multimeter

Type/Model : DM6850T

TEST RESULT : PASS

According to KDB 447498D01(v06), the following exclusion for portable devices:

The 1g and 10g 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;
- The result is rounded to one decimal place for comparison;

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

According the Test Report 180100315SHA-001:

Maximum transmitter power: 0.64dBm (1.16mW) at 2402MHz;

Distance = 5 mm (minimum separation distance: 5 mm was used in the calculation)

Result:

$(1.16/5) \cdot \sqrt{2.402} = 0.360 < 3.0$

Conclusion:

The SAR requirement is deemed to be satisfied without test.

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