

INTERTEK TESTING SERVICES

RF Exposure

The Equipment Under Test (EUT) is a PDA operating at 915.95MHz – 927.00MHz. The EUT was powered by DC 3.0V (UM-3 / R6 / AA 1.5V*2). For more detailed features description, please refer to the user's manual.

Antenna Type: Integral antenna

Modulation Type: FSK

Antenna Gain: 0.17dBi

The nominal conducted output power specified: 7.0 dBm (± 2 dB)

The nominal radiated output power (e.i.r.p) specified: 7.17dBm (± 2 dB)

According to the KDB 447498:

The maximum conducted output power for the EUT is 7.96dBm in the frequency 921.80MHz which is within the production variation.

The minimum conducted output power for the EUT is 7.90dBm in the frequency 915.95MHz which is within the production variation.

The maximum conducted output power specified is 9dBm= 7.943mW

The SAR Exclusion Threshold Level:

$$P_{th}(\text{mW}) = \text{ERP}_{20\text{cm}} * (d/20\text{cm})^x \quad (X = -\log_{10} \left(\frac{60}{\text{ERP}_{20\text{cm}} \sqrt{f}} \right))$$
$$= 1891.08 * (0.5/20)^{1.48} \text{ mW}$$
$$= 7.99 \text{ mW}$$

Since max. conducted output power and effective radiated power (ERP) is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.