

# INTERTEK TESTING SERVICES

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## RF Exposure

The equipment under test (EUT) is a RFID module for EV charger product with NFC function operating in 13.56MHz, The EUT is powered by DC 12V/300mA. For more detail information pls. refer to the user manual.

NFC function:

Antenna Type: Integral antenna

Modulation Type: OOK

Antenna Gain: 0dBi

The nominal conducted output power specified: -46.63dBm.

The nominal radiated output power (e.i.r.p) specified: -46.63dBm.

According to the KDB 447498 V07:

The maximum peak radiated emission for the EUT is 48.6dB $\mu$ V/m at 3m in the frequency 13.56MHz

The EIRP =  $[(FS^*D)^2 / 30]$  mW = -0.33dBm  
which is within the production variation.

The maximum conducted output power specified is -46.63dBm = 0.00002mW

The source- based time-averaging conducted output power  
= 0.00002mW

### **1-mW Test Exemption:**

Since the source-based time-averaging conducted output power is well below 1-mW Test Exemption, per KDB 447498 V07 and §1.1307 (b) (3) (i) (A), the EUT is considered to comply with SAR requirement without testing and no evaluation is required.