

INTERTEK TESTING SERVICES

RF Exposure

The equipment under test (EUT) is a KIN operating at 125kHz. The EUT is powered by DC 12V Car battery. For more detail information pls. refer to the user manual.

Antenna Type: Inductor antenna

Modulation: ASK

According to the KDB 447498 D04 Interim General RF Exposure Guidance v01 (D01 447498 General RF Exposure Guidance v07):

The Maximum peak radiated emission for the EUT is 72.4 dB μ V/m at 3m in for ASK mode

The EIRP = $[(FS * D)^2 / 30]$ mW = -22.8dBm

which is within the production variation.

The nominal radiated output power (e.i.r.p) specified: -22.0 dBm (Tolerance: \pm 2dB)

The max. nominal radiated output power (e.i.r.p) is -20dBm = 0.01mW

1-mW Test Exemption:

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