

Date: 2016-02-22

Report Number: 60.790.16.012.01

Model No.: RPWL400

## Radiofrequency radiation exposure evaluation

According to KDB 447498 D01v06 section 4.3.1,

>> The 1-g SAR test exclusion thresholds, for 100MHz to 6GHz, at test separation distances ≤ 50 mm are determined by:

Power at 0.9168GHz = 0.0104 mW EIRP

 $[(0.0104 \text{ mW}) / (20 \text{ mm})] \cdot [\text{sqrt} (0.9168 \text{ GHz})] = 0.000498 \text{ which is } \le 3.0 \text{ for } 1-\text{g SAR}.$ 

Therefore the device is exempt from stand-alone SAR test requirements.

- >> The fundamental frequency of the EUT is 916.8MHz, the test separation distance is smaller than 50mm. (Manufacturer specified the separation distance is 20mm)
- >> The power of EUT measured is:
  - For 916.8MHz: 0.0104mW =  $10 log (0.0104) dBm \sim -19.80$ dBm