



Date: 2016-02-22

Report Number: 60.790.16.010.01A

Model No.: RDWL313A

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 = 0.000000797 mW EIRP

$[(0.000000797 \text{ mW}) / (20 \text{ mm})] \cdot [\text{sqrt}(0.9168 \text{ GHz})] = 0.0000000381$ which is ≤ 3.0 for 1-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 < 50 mm.
(Manufacturer specified the separation distance is: 20mm)

>> The power of EUT measured is:

- For 916.8MHz: $0.000000797 \text{ mW} = 10 \log(0.000000797) \text{ dBm} \sim -60.98 \text{ dBm}$