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Model No.: RDWL917A

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 916.8MHz = 0.3265 mW EIRP

$[(0.3265 \text{ mW}) / (20 \text{ mm})] \cdot [\sqrt{0.9168 \text{ GHz}}] = 0.0156$ 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 smaller than 50mm. (Manufacturer specified the separation distance is 20mm)

>> The power of EUT measured is:

- For 916.8MHz: $0.3265 \text{ mW} = 10 \log (0.3265) \text{ dBm} \sim -4.86 \text{ dBm}$