Date: 2016-08-16
Report Number: 60.790.16.083.01
Model No.: Pinout-A

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 2.402GHz = 2.4774 mW EIRP
Power at 2.440GHz = 2.3496 mW EIRP
Power at 2.480GHz = 2.2130 mW EIRP

$[(2.4774 \text{ mW}) / (5 \text{ mm})] \cdot [\text{sqrt} (2.402 \text{ GHz})] = 0.7679$ which is ≤ 3.0 for 1-g SAR.
$[(2.3496 \text{ mW}) / (5 \text{ mm})] \cdot [\text{sqrt} (2.440 \text{ GHz})] = 0.7340$ which is ≤ 3.0 for 1-g SAR.
$[(2.2130 \text{ mW}) / (5 \text{ mm})] \cdot [\text{sqrt} (2.480 \text{ GHz})] = 0.6970$ 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 2402MHz-2480MHz, the test separation distance
   is < 50mm. (Manufacturer specified the separation distance is: 20mm)

>> The power of EUT measured is:

   - For 2402MHz: 2.4774mW = 10 log (2.4774) dBm ~ 3.94dBm
   - For 2440MHz: 2.3496mW = 10 log (2.3496) dBm ~ 3.71dBm
   - For 2480MHz: 2.2130mW = 10 log (2.2130) dBm ~ 3.45dBm

TÜV SÜD Hong Kong Ltd.
3/F, West Wing, Phase 2, 10 Science Park West Avenue, Hong Kong Science Park, Shatin, Hong Kong