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Report Number: 60.790.15.022.01

Model No.: VBLE

### **Radiofrequency radiation exposure evaluation**

According to KDB 447498 D01v05r02 section 4.3.1,

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

Power at 2402MHz = 0.0959 mW EIRP, Power at 2440MHz = 0.0895 mW EIRP

Power at 2480MHz = 0.0909 mW EIRP, Power at 2457MHz = 0.0946 mW EIRP

Power at 2410MHz = 0.0928 mW EIRP, Power at 2473MHz = 0.0941 mW EIRP

$[(0.0959 \text{ mW}) / (5 \text{ mm})] \cdot [\sqrt{2.402 \text{ GHz}}] = 0.0297$  which is  $\leq 3.0$  for 1-g SAR.

$[(0.0895 \text{ mW}) / (5 \text{ mm})] \cdot [\sqrt{2.440 \text{ GHz}}] = 0.0279$  which is  $\leq 3.0$  for 1-g SAR.

$[(0.0909 \text{ mW}) / (5 \text{ mm})] \cdot [\sqrt{2.480 \text{ GHz}}] = 0.0286$  which is  $\leq 3.0$  for 1-g SAR.

$[(0.0946 \text{ mW}) / (5 \text{ mm})] \cdot [\sqrt{2.457 \text{ GHz}}] = 0.0296$  which is  $\leq 3.0$  for 1-g SAR.

$[(0.0928 \text{ mW}) / (5 \text{ mm})] \cdot [\sqrt{2.410 \text{ GHz}}] = 0.0288$  which is  $\leq 3.0$  for 1-g SAR.

$[(0.0941 \text{ mW}) / (5 \text{ mm})] \cdot [\sqrt{2.473 \text{ GHz}}] = 0.0295$  which is  $\leq 3.0$  for 1-g SAR.

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

>> The fundamental frequency of the EUT is 2457MHz, 2410MHz, 2473MHz & 2402MHz-2480MHz, the test separation distance is  $< 50$ mm. (Manufacturer specification distance is  $< 5$ mm)

>> The power of EUT measured is:

- For 2402MHz:  $0.0959 \text{ mW} = 10 \log (0.0959) \text{ dBm} \sim -10.18 \text{ dBm}$
- For 2440MHz:  $0.0895 \text{ mW} = 10 \log (0.0895) \text{ dBm} \sim -10.48 \text{ dBm}$
- For 2480MHz:  $0.0909 \text{ mW} = 10 \log (0.0909) \text{ dBm} \sim -10.41 \text{ dBm}$
- For 2457MHz:  $0.0946 \text{ mW} = 10 \log (0.0946) \text{ dBm} \sim -10.24 \text{ dBm}$
- For 2410MHz:  $0.0928 \text{ mW} = 10 \log (0.0928) \text{ dBm} \sim -10.32 \text{ dBm}$
- For 2473MHz:  $0.0941 \text{ mW} = 10 \log (0.0941) \text{ dBm} \sim -10.26 \text{ dBm}$