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Report Number: 60.790.16.015.01

Model No.: BKM5AB

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 = 0.0948 mW EIRP

Power at 2.440GHz = 0.0922 mW EIRP

Power at 2.480GHz = 0.0924 mW EIRP

Power at 2.457GHz = 0.0963 mW EIRP

$[(0.0948 \text{ mW}) / (20 \text{ mm})] \cdot [\text{sqrt}(2.402 \text{ GHz})] = 0.007346$ which is ≤ 3.0 for 1-g SAR.

$[(0.0922 \text{ mW}) / (20 \text{ mm})] \cdot [\text{sqrt}(2.440 \text{ GHz})] = 0.007201$ which is ≤ 3.0 for 1-g SAR.

$[(0.0924 \text{ mW}) / (20 \text{ mm})] \cdot [\text{sqrt}(2.480 \text{ GHz})] = 0.007275$ which is ≤ 3.0 for 1-g SAR.

$[(0.0963 \text{ mW}) / (20 \text{ mm})] \cdot [\text{sqrt}(2.457 \text{ GHz})] = 0.007547$ 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 2457MHz and 2402MHz-2480MHz, the test separation distance is < 50 mm. (Manufacturer specified the separation distance is: 20mm)

>> The power of EUT measured is:

- For 2402MHz: $0.0948\text{mW} = 10 \log(0.0948) \text{ dBm} \sim -10.23\text{dBm}$

- For 2440MHz: $0.0922\text{mW} = 10 \log(0.0922) \text{ dBm} \sim -10.35\text{dBm}$

- For 2480MHz: $0.0924\text{mW} = 10 \log(0.0924) \text{ dBm} \sim -10.34\text{dBm}$

- For 2457MHz: $0.0963\text{mW} = 10 \log(0.0963) \text{ dBm} \sim -10.16\text{dBm}$