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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 mW) / (20 mm)] · [sqrt (2.402 GHz)] = 0.007346 which is ≤ 3.0 for 1-g SAR.
[(0.0922 mW) / (20 mm)] · [sqrt (2.440 GHz)] = 0.007201 which is ≤ 3.0 for 1-g SAR.
[(0.0924 mW) / (20 mm)] · [sqrt (2.480 GHz)] = 0.007275 which is ≤ 3.0 for 1-g SAR.
[(0.0963 mW) / (20 mm)] · [sqrt (2.457 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 < 50mm. (Manufacturer specified the separation distance is: 20mm)

>> The power of EUT measured is:

- For 2402MHz: 0.0948mW = 10 log (0.0948) dBm ~ -10.23dBm
- For 2440MHz: 0.0922mW = 10 log (0.0922) dBm ~ -10.35dBm
- For 2480MHz: 0.0924mW = 10 log (0.0924) dBm ~ -10.34dBm
- For 2457MHz: 0.0963mW = 10 log (0.0963) dBm ~ -10.16dBm

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