

Product Description: Smart Thermometer 2
Model No.: WSST3000
IC: 5226A-WSST3000

Frequency range: 2412MHz – 2462MHz
Maximum Antenna Gain: -16.6 dBi
Conducted Output Power: 14.373
Maximum EIRP Output Power: 0.5988 mW

Following KDB 447498 D01, clause 4.3.1:

4.3.1 Exemption from Routine Evaluation Limits – RF Exposure Evaluation

RF Exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm, except when the device operates as follows

For 100 MHz to 6 GHz and *test separation distances* \leq 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:
$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f_{(\text{GHz})}}] \leq 3.0 \text{ for 1-g SAR, and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$

$f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz

$$0.5988/(5) * \sqrt{2.462} = 0.1879 < 3$$

Thus for <20cm portable usage, the SAR exclusion condition is fulfilled and SAR evaluation is not required for a separation distance of 5mm or more.