

FCC RF Exposure

EUT Description: BBQ Thermometer
Model No.: HB642
FCC ID: 2AB7D-HB642

1. Applicable Standard

According to §1.1307(b)(5), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline. This is a Portable device. KDB 447498 D01 General RF Exposure Guidance v05 was used as the guidance.

According to §1.1310 and §2.1093 RF exposure is calculated.

2. RF Exposure Calculation Result:

Bluetooth:
Frequency: 2402-2480 MHz
Modulation: GFSK
Low-Channel: 2.402 GHz (channel 0)
Antenna Gain: G = 0 dBi

According to the requirement of KDB 447498 D01 General RF Exposure Guidance v05 Appendix A SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm.

The Max Peak Power measured and achieved in BDR mode is: $-3.72 \text{ dBm} = 0.424 \text{ mW} < 10 \text{ mW}$ (Thresholds) and the exact distance from (the closest part of) the internal antenna to the outside surface of the tablet is greater than 5mm.

The SAR measurement is not necessary.