

FCC RF Exposure

EUT Description: kBeacon

Model No.: kBeacon-01, kBeacon-01C, kBeacon-02, kBeacon-02C, KopiBeacon-01, KopiBeacon-01C

All the model are the same circuit and RF module, except the appearance colour, this report only test mode name: kBeacon-01

FCC ID: 2ABRB-KBEACON

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:

BT 4.0/GFSK:

Frequency: 2402-2480 MHz

High-Channel: 2.480GHz (channel 40)

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 High-Channel: 2.480GHz (channel 40)

mode is: $0.95\text{dBm} = 1.2445\text{mW} < 10\text{mW}$

(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.