



## Radio frequency radiation exposure evaluation: portable devices

**RESULT :** Pass  
**Test Specification**

Test item : Asset tracking beacon  
Model name : FS-BLE-SM  
FCC ID : 2BMFG-FS-BLE-SM  
Test standard : CFR47 FCC Part 2: Section 2.1093  
FCC KDB Publication 447498 D04

### Calculation Method according to KDB 447498 D04

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B.2})$$

where

$$x = -\log_{10} \left( \frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and ERP20cm is per Formula (B.1). The example values shown in Table B.2 are for illustration only.

### FCC Measurement Record:

Test Mode	Conducted Power (dBm)	Conducted Power (mW)	Minimum Separation Distances (mm)	Limit (mW)
BLE	-5.36	0.29	5	2.72