

## Calculation result for portable transmitter

The low threshold for portable transmitter calculated according to the following formula:

$(60/f\text{GHz}) \text{ mW}, d < 2.5 \text{ cm}$

$(120/f\text{GHz}) \text{ mW}, d \geq 2.5 \text{ cm}$

where  $d$  is the distance to a person's body.

This Bluetooth device operate with distance  $d < 2.5\text{cm}$ ,

Low threshold  $=60/2.445\text{GHz}=24.54\text{mW}$ .

The output power of this portable transmitter is  $2.92\text{dBm}$ , which is equal to  $1.96\text{mW}$  less than  $24.54 \text{ mW}$  low threshold.

Based on above calculation, this device is not required to conduct SAR test.