

## Standalone SAR test exclusion considerations(Bluetooth)

August 31, 2017

- Max. transmitting frequency = **2480** MHz
- Min. separation distance = **35** mm

 Max Target power: **15.00** dBm

 Maximum antenna peak gain: **1.00** dBi

Note: The max target power was based on time-averaged power. Refer to the operation descriptoin.

**Maximum output power for the calculation: 15.00 dBm**
**SAR test exclusion EIRP for 2480MHz at separationn distances of 35 mm : 123 mW**

$$\begin{aligned}
 \text{EIRP} &= P + G \\
 &= 15.00 \text{ dBm} + 1.000 \text{ dBi} \\
 &= \mathbf{16.000 \text{ dBm}} = \mathbf{39.811 \text{ mW}} \leq 123 \text{ mW (Exemption Limits(mW))}
 \end{aligned}$$

[Thus SAR for this device is not required.](#)

\* Note : P = Power input to the antenna(dBm)  
 G = Power gain of the antenna(dBi)

## Standalone SAR test exclusion considerations(LE)

August 31, 2017

- Max. transmitting frequency = 2480 MHz
- Min. separation distance = 35 mm

Max Target power: 2.00 dBm

Maximum antenna peak gain: 1.00 dBi

Note: The max target power was based on time-averaged power. Refer to the operation descriptoin.

**Maximum output power for the calculation: 2.00 dBm**

### SAR test exclusion EIRP for 2480MHz at separationn distances of 35 mm : 123 mW

$$\begin{aligned}
 \text{EIRP} &= P + G \\
 &= 2.00 \text{ dBm} + 1.000 \text{ dBi} \\
 &= 3.000 \text{ dBm} = 1.996 \text{ mW} \leq 123 \text{ mW (Exemption Limits(mW))}
 \end{aligned}$$

[Thus SAR for this device is not required.](#)

\* Note : P = Power input to the antenna(dBm)  
 G = Power gain of the antenna(dBi)