

EUT RF Exposure

The Max Conducted Peak Output Power is **1.45dBm(1.396mW)** in highest channel (2.480GHz);

The best case gain of the antenna is 2dBi.

2dBi logarithmic terms convert to numeric result is nearly 1.58

According to the formula. calculate the EIRP test result:

$$\text{EIRP} = P \times G = 1.396\text{mW} \times 1.58 = 2.206\text{mW} \quad \textcircled{1}$$

SAR requirement:

$$S = 60 / f(\text{GHz}) = 60 / 2.480 = 24.19 \text{ mW} \quad \textcircled{2};$$

$$\textcircled{1} < \textcircled{2}.$$

So the SAR report is not required.