

EUT RF Exposure

The Max Conducted Peak Output Power is 3.64dBm (2.31mW) in Middle channel (2.441GHz);

The best case gain of the antenna is 2dBi.

2dBi logarithmic terms convert to numeric result is nearly 1.58

According to formula. Calculate the EIRP test result:

$$\text{EIRP} = P \times G = 2.31 \times 1.58 = 3.65\text{mW} \quad \textcircled{1}$$

SAR requirement:

$$S = 60/f(\text{GHz}) = 60/2.441 = 24.58\text{mW} \quad \textcircled{2};$$

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

So the SAR report is not required.