

EUT RF Exposure

The Max Conducted Peak Output Power is **-5.56dBm(0.278mW)** 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:

$$\text{EIRP} = P \times G = 0.278\text{mW} \times 1.58 = 0.439\text{mW} \text{ ①}$$

SAR requirement:

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

$$\text{①} < \text{②}.$$

So the SAR report is not required.