

RF EXPOSURE EVALUATION

FCC ID: **2ACSH-FACD**

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) Radiation:

$$P(\text{mW}) / (d(\text{mm}) * \text{SQRT}(f, \text{GHz})) < 1/3$$

The maximum average output power for low channel is: 7.15dBm= 5.19mW

The low frequency for WiFi is $f=2.412$ (GHz), and result ins SQRT (f) = 5.818

So the antenna distance shall be $5.19 / (1/3 * 5.818)$, at least **2.68** mm.

The maximum average output power for middle channel is: 7.03dBm= 5.05mW

The middle frequency for WiFi is $f=2.437$ (GHz), and result ins SQRT (f) = 5.939

So the antenna distance shall be $5.05 / (1/3 * 5.939)$, at least **2.56** mm.

The maximum average output power for high channel is: 6.79dBm= 4.78mW

The high frequency for WiFi is $f=2.462$ (GHz), and result ins SQRT (f) = 6.061

So the antenna distance shall be $4.78 / (1/3 * 6.061)$, at least **2.37** mm.

I.e. the minimum distance from antenna to outer side of the enclosure is 2.68mm. The actual distance is 3.5mm, so the result is **PASS**.

