

## MPE evaluation

FCC ID: PQA-CS200B-SUB

The highest measured Peak power for each transmitter in this device:  
(Peak leads to worst case calculation compared to average):

For FSK module (2404-2479 MHz): 0.214 mW (-6.96 dBm), with 2 dBi antenna gain

The power density for each transmitter must be under the given limit .

For FSK: Pradiated = Pconducted + Glinear = -6.96 dBm + 2 dBi = -4.96 dBm = 0.32 mW

Power density  $S = (\text{Pradiated}) / (4\pi \times d^2) = 0.32 / 5026 = 0.00007 \text{ mW/cm}^2$

The calculated power density for this transmitter is far below the limit, so PASS.

Remark: This device would be also generally exempted for RF exposure, because the power lies below 60/f mW. For the 2.4 G band, the limit would be 24mW, and the actual powers is 0.32 mW.