FCC ID: WCH99956BT

Environmental evaluation and exposure limit according to FCC CFR 47 part1, §§1.1307, 1.310.

FCC §1.1310 limit of power density for general population/uncontrolled exposure is 1 mW/cm².
The power density calculation is $S = (Pt / 4\pi r^2)$.
Where:
Pt - The transmitted power EIRP (mW)
r - The distance from the unit. (cm)
The limit 1mW/cm² can be calculated from the above based on the following data:
Pt- the transmitted maximum EIRP power = 1.6 dBm = 1.44 mW.
Maximum allowed distance "r", where RF exposure limits may not be exceeded
= SQRT(1.44/4π) and is more than 0.4 cm from the tested unit.
Peak power density for distance 20 cm is: Pt/4πr² = 1.44 mW/4π*0.2² =
0.00029 mW/cm². That is less than 1 mW/cm² power density limit.