RF Exposure Evaluation according to RSS-102 and
FCC 47 CFR part 1 §1.1307

The transceiver is classified as fixed. The calculation was done for minimum safety distance.

The device operating frequency range is 2412 – 2462 MHz. Limit for power density for general population/uncontrolled exposure is 1 mW/cm^2 (for 1500 –100,000 MHz frequency range).

The power density $P\ (mW/cm^2)\ =\ P_T\ /\ 4\pi\ r^2$

P_T is the transmitted power, which is equal to the peak transmitter output power plus maximum antenna gain. The maximum equivalent isotropically radiated power EIRP is

   P_T = 25.47 dBm +19 dBi = 44.47 dBm = 27990 mW, where

25.47 dBm is the EUT maximum output power, obtained at low frequency 2412 MHz with 64QAM modulation and 130 Mbps bit rate, 20 MHz CBW;
19 dBi – external antenna gain.

The minimum safe distance "r", where RF exposure does not exceed FCC permissible limit, is

   $r = sqrt\{\ P_T\ /\ (P x 4\pi)\} = sqrt\{27990/12.56\} = 47\ cm.$

General public will not be exposed to dangerous RF level.