RF Exposure assessment

The NRF24L01p module has been tested with 93.2 dBµV/m at 3m (peak). If we calculate the average using the duty cycle: **-26.6 dB = 20 log (4.69 / 100)**

we see that the NRF24L01p module has an average transmitter value of: **93.2 – 26.6 = 66.6 dBµV/m at 3m.**

That could be considered equivalent to an e.i.r.p. of -28.6 dBm, or 0.001 mWatts. By adding the NRF24L01p module power to the power of the BLE, we have a total power of your product of:

0.801 mWatts.

Using the applicable equation in the FCC KDB 447498, we can calculate that: (0.801 / 5) $\times \sqrt{2.48} = 0.25$.

Since **0.25** ≤ **3.0**, no further action is necessary.