RF Exposure Evaluation

FCC ID	TFJ-NPOS15-W
Model No.	nPOS15-W
RF Specification	802.11 b/g/n-20/n-40 Bluetooth Dual Mode: V2.1+EDR/ V4.0 LE

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 as specified in 1.1307(b)

Calculation Formula:

$$Pd = (Pout*G)/(4*pi*r^2)$$

Where
Pd = power density in mW/cm^2
Pout = output power to antenna in mW
G = gain of antenna in linear scale
Pi = 3.1416
r = distance between observation point and center of the radiator in cm

Calculation Result:

Mode	Frequency Band (MHz)	Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
WIFI	2412~2462	14	25.1	3.5	20	0.0112	1
BT	2402~2480	6	4.0	3.5	20	0.0019	1

Simultaneous Transmitting:

0.0112 + 0.0019 = 0.0131 **mW/cm^2 ≤ 1 mW/cm^2。**