MPE CALCULATION (FCC ID: 2ALG8BB-SENS)

RF Exposure Requirements:	47 CFR §1.1307(b)
RF Radiation Exposure Limits:	47 CFR §1.1310
RF Radiation Exposure Guidelines:	FCC OST/OET Bulletin Number 65
EUT Frequency Band:	2400-2480MHz
Limits for General Population/Uncontrolled Exposure in the band of:	1500 - 100,000 MHz
Power Density Limit:	1 mW/cm2

Equation: $S = PG / 4\pi R^2$ or $R = \sqrt{PG / 4\pi S}$

Where, S = Power Density

P = Power Input to Antenna

G = Antenna Gain

R = distance to the center of radiated antenna

Prediction distance 20cm

EUT: 2.4GHz Band BLE Radio product (Model: BB-SEC-1)

Power = 2.501dBm, Antenna gain= 2.5 dBi, Power density=0.0006 mW/cm^2

Maximum MPE is 0.0006 mW/cm^2, which is less than 1 mW/cm^2;

The Above Result had shown that the Device complied with MPE requirement.

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