MPE CALCULATION

FCC ID: 2AGLL-MODULO2

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: 2.4GHz	2412-2462 MHz
Limits for General Population/Uncontrolled Exposure in the band of:	1500 - 100,000 MHz
Power Density Limit:	1 mW / cm^2

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

EUT: Modulo-2

Type	CH Freq (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	Directional Gain (dBi)	Tune-Up Tolerance	Tolerance Max Power (dBm)	Measurement Distance (cm)	Calculated MPE (mW/cm^2)	MPE Limit (mW/cm^2)	Pass/ Fail
WLAN	2437	15.29	0	0	±1dB	16.29	20	0.0084	1	Pass
BLE	2402	6.03	0	0	±1dB	7.03	20	0.0010	1	Pass

If WLAN and BLE transmit simultaneously.

Total MPE = 0.0084 + 0.0010 = 0.0094 mW/cm^2

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

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