MPE CALCULATION FCC ID: B5DM534

RF Exposure Req	uirements:	47 CFR §1.1307(b)			
RF Radiation Expo	osure Limits:	47 CFR §1.1310			
RF Radiation Expo	osure Guidelines:	FCC OST/OET Bulletin Number 65			
EUT Frequency Ba	and: 1920-1930 MHz	1921.536 MHz-1928.448 MHz			
Limits for General	Population/Uncontrolled Exposure in the band of:	1500 - 100,000 MHz			
Power Density Lin	nit:	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: Roameo Access Point, model: AP-1800

(1920-1930 MHz Band): Power = 19.75 dBm, Antenna Gain = 3 dBi, Power density = 0.047 mW/ cm²

Туре	CH Freq (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	Tune-Up Tolerance	Tolerance Max Power (dBm)	Measurement Distance (cm)	Calculated MPE (mW/cm ²)	MPE Limit (mW/cm²)	Pass/Fail
1920-1930 MHz DECT	1928.448	19.75	3	±1dB	20.75	20	0.047	1	Pass

The duty cycle for the radio is 4.16%, so the final result should be 0.047 * 4.16% = 0.00188 mW/cm².

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

Gary Chou

Completed By: Gary Chou SIEMIC, Inc 775 Montague Expressway, Milpitas, CA 95035 Phone: (408) 526-1188 Date: April 13, 2017