

MPE CALCULATION

FCC ID: 2AOTVCU002927

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 2402-2480 MHz
EUT Frequency Band: GSM 824.2-848.8 MHz, 826.4-846.6 MHz
EUT Frequency Band: WCDMA 1850.2 -1909.8 MHz, 1852.4-1907.6 MHz

Limits for General Population/Uncontrolled Exposure in the band of: 1500 - 100,000 MHz

Power Density Limit: 1 mW / cm²

Limits for General Population/Uncontrolled Exposure in the band of: 300 – 1500 MHz

Power Density Limit: f /1500

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: Getaround Connect™ 4.0, Model No. : Connect™ 4.0

(BLE): Power = -0.06 dBm, Array Gain + Antenna Gain = 1.5 dBi, Power density = 0.000069mW/ cm²

(GSM): Power = 32.72 dBm, Array Gain + Antenna Gain = 1.49 dBi, Power density = 0.1312mW/ cm²

(WCDMA): Power = 29.9 dBm, Array Gain + Antenna Gain = 4.62 dBi, Power density = 0.1409mW/ cm²

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
BLE	2402	-0.06	1.5	1.5	±1dB	0.94	40	0.000069	1	Pass
GSM	824.2	32.72	1.49	1.49	±1dB	33.72	40	0.1312	0.549	Pass
WCDMA	1850.2	29.9	4.62	4.62	±1dB	5.69	40	0.1409	1	Pass

If BLE and GSM and WCDMA transmit simultaneously.

Total MPE=0.000069+ 0.1312+ 0.1409= 0.272169 mW/cm²

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

A handwritten signature in cursive script, appearing to read "Shuo".

Completed By: Shuo Zhang

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