

# FCC ID : PMGP073A

## Portable device

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to KDB 447498 (2)(a)(i)

| Frequency Range     |                     | Maximum measured transmitter power frequency (MHz) | 60/f SAR Limitation (mw) |
|---------------------|---------------------|--|--------------------------|
| Low Frequency (MHz) | High Frequency(MHz) |  |                          |
| 2412                | 2462                | 2462   | 24.4                     |

Maximum measured transmitter power

| Conducted Power (mw) | Max Antenna Gain (dBi) | EIRP (mw) |
|----------------------|------------------------|-----------|
| 14.62                | 0                      | 14.62     |

Remark: The best case gain of the antenna is 0dBi.

0dBi logarithmic terms convert to numeric result is nearly 1

According to the formula. calculate the EIRP test result:

$$\text{EIRP} = P \times G = 14.62 \times 1 = 14.62$$

| Frequency Range     |                     | Maximum measured transmitter power frequency (MHz) | 60/f SAR Limitation (mw) |
|---------------------|---------------------|--|--------------------------|
| Low Frequency (MHz) | High Frequency(MHz) |  |                          |
| 2422                | 2452                | 2422   | 24.8                     |

Maximum measured transmitter power

| Conducted Power (mw) | Max Antenna Gain (dBi) | EIRP (mw) |
|----------------------|------------------------|-----------|
| 18.41                | 0                      | 18.41     |

Remark: The best case gain of the antenna is 0dBi.

0dBi logarithmic terms convert to numeric result is nearly 1

According to the formula. calculate the EIRP test result:

$$\text{EIRP} = P \times G = 18.41 \times 1 = 18.41$$

Threshold at which no SAR required is 24.4(2462MHz) and 24.8(2422MHz)mw.

Maximum Tx power is 14.62(2412-2462MHz) and 18.41(2422-2452MHz)EIRP.

**Conclusion:** No SAR is required.

## SIMULTANEOUS TRANSMISSION EVALUATION

N/A