

INTERTEK TESTING SERVICES

RF Exposure

The equipment under test (EUT) is a CSM Faiz Edge operating at 2.4G Band. The EUT can be powered by DC 3.0V (2 x 1.5V AA batteries). For more detail information pls. refer to the user manual.

Antenna Type: Integral antenna.

Antenna Gain: 5.6dBi.

The normal radiated output power (e.i.r.p) is: -6.0dBm (tolerance: +/- 3dB).

The normal conducted output power is -11.6dBm (tolerance: +/- 3dB).

Modulation Type: GFSK.

According to the KDB 447498 V06:

The Maximum peak radiated emission for the EUT is 88.5 dBμV/m at 3m in the frequency 2407MHz

The EIRP = $[(FS \cdot D)^2 / 30]$ mW = -6.73dBm

which is within the production variation.

The maximum conducted output power specified is -8.6dBm = 0.138mW

The source- based time-averaging conducted output power
= $0.138 \cdot \text{Duty cycle}$ mW < 0.138 mW (Duty cycle < 100%)

The SAR Exclusion Threshold Level:

= $3.0 \cdot (\text{min. test separation distance, mm}) / \sqrt{\text{freq. in GHz}}$

= $3.0 \cdot 5 / \sqrt{2.407}$ mW

= 9.67 mW

Since the source-based time-averaging conducted output power is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.

FCC ID: PQ3CSMEDGE