

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 dB μ V/m at 3m in the frequency 2407MHz

The EIRP = [(FS*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* Duty cycle mW <0.138 mW(Duty cycle <100%)

The SAR Exclusion Threshold Level:

= 3.0 * (min. test separation distance, mm) / sqrt(freq. in GHz)

= 3.0 * 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