RF Exposure

The equipment under test (EUT) is a MIMIMOTO PHONE CLEAR with 2.4G wireless function. The EUT was powered by AC/DC adaptor with OUTPUT: DC 5.0V. For more detail information pls. refer to the user manual.

Modulation Type: GFSK.

Antenna Type: Integral antenna.
Antenna Gain: 2.0dBi.
The nominal conducted output power specified: -15.0dBm (Tolerance: +/-3dB)
The nominal radiated output power (e.i.r.p) specified: -13.0dBm (Tolerance: +/-3dB)

According to the KDB 447498:
The maximum tested radiated emission for the EUT is 82.7dBμV/m at 3m in the frequency 2.403GHz = [(FS*D) ^2 / 30] mW = -12.53dBm which is within the production variation

The minimum tested radiated emission for the EUT is 80.2dBμV/m at 3m in the frequency 2.442GHz = [(FS*D) ^2 / 30] mW = -15.03dBm which is within the production variation.

The maximum conducted output power specified is -12.0dBm = 0.063mW

The source- based time-averaging conducted output power
=0.063 * Duty cycle mW < 0.1 mW (Duty Cycle<100%)

The SAR Exclusion Threshold Level:
= 3.0 * (min. test separation distance, mm) / sqrt(freq. in GHz)
= 3.0 * 5 / sqrt (2.478) mW
= 9.5 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.