## RF Exposure

The equipment under test (EUT) is a RGBW RF 2.4GHz Remote with 2.4G SRD function operated at the frequency of 2410MHz. The EUT is powered by DC 1.5V*2 by AAA battery. For more detail information pls. refer to the user manual.

2.4G SRD:
Modulation Type: GFSK
Antenna Type: Integral antenna.
Antenna Gain: 0dBi Max.
The nominal conducted output power specified: 3dBm (+/-3dB).
The nominal radiated output power (e.i.r.p) specified: 3dBm (+/- 3dB).

According to the KDB 447498:

The maximun peak radiated emission for the EUT is 95.3dBμV/m at 3m in the frequency 2410MHz
The EIRP = [(FS*D) ^2 / 30] mW = 0.07dBm
which is within the production variation.

The maximun conducted output power specified is 6dBm = 4mW
The source- based time-averaging conducted output power
= 4 * Duty factor mW (where Duty Factor≤1)
= 4 mW

The SAR Exclusion Threshold Level:
= 3.0 * (min. test separation distance, mm) / sqrt(freq. in GHz)
= 3.0 * 5 / sqrt (2.410) mW
= 9.66 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.