

## INTERTEK TESTING SERVICES

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### RF Exposure

The Equipment Under Test (EUT) is a 12 ft OG Towering Skeleton with Selectable Eyes operating at 433.92MHz. The EUT is powered by DC 3.0V (2 x 1.5V AAA batteries). For more detailed features description, please refer to the user's manual.

Antenna Type: Integral Antenna

Modulation: FSK

Antenna Gain: 2dBi

The normal peak radiated output power (e.i.r.p) is: -43.0dBm (tolerance: +/- 3dB).

The normal peak conducted output power is -45.0dBm (tolerance: +/- 3dB).

According to the KDB 447498 V06:

The Maximum peak radiated emission for the EUT is 51.9 dBμV/m at 3m in the frequency 433.92MHz

The EIRP =  $[(FS \cdot D)^2 / 30]$  mW = -43.33dBm

which is within the production variation.

The maximum conducted output power specified is -42dBm = 0.00006mW

The source-based time-averaging conducted output power

= 0.00006mW

The SAR Exclusion Threshold Level:

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

=  $3.0 \cdot 5 / \sqrt{433.92}$  mW

= 22.77mW

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.