

YOUR REF

OUR REF

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## **RF Exposure Analysis**

**FCC ID: 2AJR7ZLLHS401**

### Analysis for FCC portable (extremity) use

Standalone SAR test exclusion considerations are defined in KDB 447498D01 (v06) Chapter 4.3.1 where the 1-g head or body and 10-g extremity SAR exclusion threshold is defined by the following formula:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

For the ZLLHS4-01 the maximum conducted output power is 3.2mW (+5.0dbm) max.

Applying the above data using the given KDB 447498 D01 formula, and minimum separation distance of 5mm for 10-g extremity (hand held) SAR, the following results:

$$(3.2\text{mW} / 5\text{ mm}) \times \sqrt{2.43\text{ GHz}} = 1.0 \text{ (i.e.: } \leq 7.5 \text{ for 10-g extremity SAR)}$$

This demonstrates the ZLLHS4-01 meets the criteria for 10-g extremity (hand held) SAR test exemption.

Yours faithfully,

  
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