

Statement of compliance to SAR

No. 180101175SHA-002

Applicant : Stanley Black & Decker, Inc.
400 Executive Blvd S, Southington, CT 06489 USA
Product Name : Laser Distance Measurer
Type/Model : TLM165s
TEST RESULT : PASS

According to KDB 447498D01(v06), the following exclusion for portable devices:

The 1g and 10g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

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

Where:

- 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;

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

According the Test Report 180101175SHA-001:

Maximum transmitter power: -2.61dBm (0.55mW) at 2402MHz;

Distance = 5 mm (minimum separation distance: 5 mm was used in the calculation)

Result:

$(0.55/5) \cdot \sqrt{2.480} = 0.17 < 3.0$

Conclusion:

The SAR requirement is deemed to be satisfied without test.

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