

## Statement of compliance to Maximum Permissible Exposure (MPE)

Applicant : Stanley Black & Decker, Inc.  
400 Executive Blvd S, Southington, CT 06489 USA

Manufacturer : Northwest Instrument Inc.  
69 King Street Dover NJ 07801 United States Of America

Product Name : Rotary Laser

Type/Model : DW080LGS, DW080LRS

TEST RESULT : PASS

**According to §2.1091, §2.1093 and §1.1307(b), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.**

The  $S = PG / (4\pi R^2)$

Where S = power density in mW/cm<sup>2</sup>

P = transmit power in mW

G = numeric gain of transmit antenna

R = distance (cm)

For BT, as we can see from the test report 180500721SHA-001

Frequency band (MHz)	Max power		Antenna Gain		R	S
2400-2483.5MHz	-2.61dBm	0.548mW	3.3dBi	2.138	20cm	0.000233

For 915MHz, as we can see from the test report 180500721SHA-002

Frequency band (MHz)	Field Strength (dBuV/m)	Max power		Antenna Gain		R	S
915-915.7MHz	86.10	-9.06dBm	0.124mW	1.0dBi	1.259	20cm	0.000031

The sum of the MPE ratios = 0.000233+0.000031=0.000264mW/cm<sup>2</sup>

This level is below the simultaneous transmission MPE test exclusion requirements ( $\leq 1.0$ ).

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Prepared by:



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Reviewed by:



Daniel Zhao (Reviewer)

## **Appendix I**

### **Definition below must be outlined in the User Manual:**

To satisfy FCC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended.