



Statement of compliance to Maximum Permissible Exposure (MPE)

Applicant : Bestway Inflatables & Materials Corp.
No. 3065 Cao An Road, Shanghai, China
Manufacturer : Bestway Inflatables & Materials Corp.
No. 3065 Cao An Road, Shanghai, China
Product Name : Pool+ Portable Bluetooth Speaker
Type/Model : #58309E

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/cm²

P = transmit power in mW

G = numeric gain of transmit antenna(numeric gain=Log-1(dB antenna gain/10))

R = distance (cm)

R is chosen to be 20cm, the gain of antenna $G = \text{Log-1}(0.00\text{dBi} / 10) = 1.0 \text{ dBi}$;

As we can see from the test reports 141101651SHA-001:

The maximum output power for BT = 4.40dBm= 2.24 mW;

The $MPE = PG / (4\pi R^2) = 2.24 * 1.0 / (4 * 3.14 * 20 * 20) = 0.00045$

This level is below the simultaneous transmission MPE test exclusion requirements (≤ 1.0).

Date of issue: May 12, 2015

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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.