

FCC ID: ZL5-MLWF

## Statement of compliance to Maximum Permissible Exposure (MPE) No. 150701013SHA-003

Applicant : Bullitt Group

No. 4, The Aquarium, King Street, Reading, RG1 2AN,

United Kingdom

Manufacturer : Bullitt Group

No. 4, The Aquarium, King Street, Reading, RG1 2AN,

United Kingdom

Product Name : Bluetooth and WiFi Speaker

Type/Model : AUDIO L PLUS

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  $S = power density in mW/cm^2$ 

P = transmit power in mW

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

R = distance (cm)

The calculations in the table below use the highest gain of antenna for client EUT. These calculations represent worst case in terms of the exposure levels.

Frequency band	Power		Antenna Gain		R	S	Limits
(MHz)	dBm	mW	dBi	(Numeric)	(cm)	(mW/cm2)	(mW/cm2)
2402 -2480	7.85	6.10	2.0	1.58	20	0.002	1
2412 -2462	27.70	588.84	3.0	2.0	20	0.234	1

Note: 1 mW/cm2 from 1.310 Table 1

For the device consider simultaneous transmission of WIFI and BT, the worst MPE =  $0.002 + 0.234 = 0.236 \text{ mW/cm}^2 < 1 \text{ mW/cm}^2$ .

Date of issue: Sep 14, 2015

Wade zhang

Prepared by: Reviewed by:

Wade Zhang (*Project Engineer*) Daniel Zhao (*Reviewer*)

Daniel Thos



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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.