

**Optoma Corporation**  
**12F., No. 213, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City,**  
**Taiwan 231**

Federal Communications Commission  
Authorization and Evaluation Division  
Equipment Authorization Branch  
7435 Oakland Mills Road  
Columbia, MD 21046

**Applicant's declaration concerning RF Radiation Exposure**

We hereby indicate that the product  
Product description: Bluetooth earphones  
Model No: APBEL

The equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The integral antennas used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter within the host device.

A safety statement concerning minimum separation distances from enclosure of the  
Product : Bluetooth earphones  
will be integrated in the user's manual to provide end-users with transmitter operating conditions for satisfying RF exposure compliance.

The appropriate information can be drawn from the test report no: W6M21505-15023-C-1 and the accompanying calculations.

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Date: 24/06/2015

Signature



### 3.2 Equivalent isotropic radiated power

FCC Rule: 15.247(b)(3)

Bluetooth 2.0

EIRP = max. conducted output power + antenna gain

EIRP = 8.22 dBm + (-0.13) dBi = 8.09 dBm

EDR

EIRP = max. conducted output power + antenna gain

EIRP = 7.13 dBm + (-0.13) dBi = 7 dBm

Limit: EIRP = +36 dBm for Antenna gain <6dBi

Test equipment used: ETSTW-RE 055

### 3.3 RF Exposure Compliance Requirements

#### RESULT:

Test standard : FCC KDB Publication  
447498 D01 General RF Exposure Guidance v05r02

According to 447498 D01 General RF Exposure Guidance v05r02:

SAR evaluation, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

The enclosure of the device provides  $\geq 0.5$  cm separation from the antenna elements to significant metal parts of the enclosure to minimize potential perturbations.

Frequency Band: 2400-2483.5 MHz

Maximum Power fed to Antenna (BT2.0): 6.4417 mW

Maximum Power fed to Antenna (EDR): 5.0119 mW

Separation distances:

Radiator to user:  $> 5$  mm

Distance prescribed in user manual:  $> 5$  mm

| MHz  | 5  | 10 | 15 | 20 | 25 | mm                                |
|------|----|----|----|----|----|-----------------------------------|
| 2450 | 10 | 19 | 29 | 38 | 48 | SAR Test Exclusion Threshold (mW) |

| MHz  | 30 | 35 | 40 | 45 | 50 | mm                                |
|------|----|----|----|----|----|-----------------------------------|
| 2450 | 57 | 67 | 77 | 86 | 96 | SAR Test Exclusion Threshold (mW) |

| MHz  | 50 | 60  | 70  | 80  | 90  | 100 | 110 | 120 | 130 | 140 | 150  | 160  | 170  | 180  | 190  | mm |
|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|----|
| 2450 | 96 | 196 | 296 | 396 | 496 | 596 | 696 | 796 | 896 | 996 | 1096 | 1196 | 1296 | 1396 | 1496 | mW |