

# **FCC RF EXPOSURE REPORT**

**FCC ID: ZVAPS000017**

**Project No. : 1503C087**  
**Equipment : SHOUT Dual Mode WiFi/Bluetooth Smart  
Speaker**  
**Model : IS0101**  
**Applicant : TCL Technoly Electronics(Huizhou) Co.,Ltd.**  
**Address : Section 37, Zhongkai High-tech Development  
Zone, Huizhou City, Guang Dong Province,  
China, 516006**

**According: : FCC Guidelines for Human Exposure IEEE  
C95.1**

**B T L I N C .**

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, China.  
TEL: +86-769-8318-3000 FAX: +86-769-8319-6000

## MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi^2} = \frac{EIRP}{4\pi^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna

| Ant. | Brand | Model Name | Antenna Type | Connector | Gain(dBi) |
|------|-------|------------|--------------|-----------|-----------|
| 1    | N/A   | N/A        | Internal     | N/A       | 3.97      |

## TEST RESULTS

|                |   |                    |        |
|----------------|---|--------------------|--------|
| EUT :          | SHOUT Dual Mode<br>WiFi/Bluetooth Smart Speaker | Model Name :       | IS0101 |
| Temperature :  | 25 °C   | Relative Humidity: | 55 %   |
| Test Voltage : | AC 120V/60Hz                                    |                    |        |
| Test Mode :    | TX Mode _1Mbps                                  |                    |        |

| Antenna Gain (dBi) | Antenna Gain (numeric) | Peak Output Power (dBm) | Peak Output Power (mW) | Power Density (S) (mW/cm <sup>2</sup> ) | Limit of Power Density (S) (mW/cm <sup>2</sup> ) | Test Result |
|--------------------|------------------------|-------------------------|------------------------|---|--|-------------|
| 3.97               | 2.4946                 | 1.01                    | 1.2618                 | 0.00062654                              | 1  | Complies    |
| 3.97               | 2.4946                 | 1.3                     | 1.3490                 | 0.00066981                              | 1  | Complies    |
| 3.97               | 2.4946                 | 0.94                    | 1.2417                 | 0.00061652                              | 1  | Complies    |

|                |   |                    |        |
|----------------|---|--------------------|--------|
| EUT :          | SHOUT Dual Mode<br>WiFi/Bluetooth Smart Speaker | Model Name :       | IS0101 |
| Temperature :  | 25 °C   | Relative Humidity: | 55 %   |
| Test Voltage : | AC 120V/60Hz                                    |                    |        |
| Test Mode :    | TX Mode _3Mbps                                  |                    |        |

| Antenna Gain (dBi) | Antenna Gain (numeric) | Peak Output Power (dBm) | Peak Output Power (mW) | Power Density (S) (mW/cm <sup>2</sup> ) | Limit of Power Density (S) (mW/cm <sup>2</sup> ) | Test Result |
|--------------------|------------------------|-------------------------|------------------------|---|--|-------------|
| 3.97               | 2.4946                 | 0.76                    | 1.1912                 | 0.00059149                              | 1  | Complies    |
| 3.97               | 2.4946                 | 0.79                    | 1.1995                 | 0.00059559                              | 1  | Complies    |
| 3.97               | 2.4946                 | 0.61                    | 1.1508                 | 0.00057141                              | 1  | Complies    |

Note: the calculated distance is 20 cm.