

FCC RF EXPOSURE REPORT

FCC ID: ZVAPS000019

Project No. : 1503C087A
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 .

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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	3.44
2	N/A	N/A	Internal	N/A	3.29

TEST RESULTS

EUT :	SHOUT Dual Mode WiFi/Bluetooth Smart Speaker	Model Name :	IS0101
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX B MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.44	2.2080	18.98	79.0679	0.03474964	1	Complies
3.44	2.2080	18.85	76.7361	0.03372488	1	Complies
3.44	2.2080	19.09	81.0961	0.03564104	1	Complies

EUT :	SHOUT Dual Mode WiFi/Bluetooth Smart Speaker	Model Name :	IS0101
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX G MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.44	2.2080	23.21	209.4112	0.09203444	1	Complies
3.44	2.2080	23.15	206.5380	0.09077168	1	Complies
3.44	2.2080	23.02	200.4472	0.08809482	1	Complies

EUT :	SHOUT Dual Mode WiFi/Bluetooth Smart Speaker	Model Name :	IS0101
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-20M MODE_ Total /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.44	2.2080	21.89	154.5254	0.06791260	1	Complies
3.44	2.2080	21.77	150.3142	0.06606179	1	Complies
3.44	2.2080	21.61	144.8772	0.06367228	1	Complies

EUT :	SHOUT Dual Mode WiFi/Bluetooth Smart Speaker	Model Name :	IS0101
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-40M MODE_ Total /CH03, CH06, CH09		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.44	2.2080	22.16	164.4372	0.07226872	1	Complies
3.44	2.2080	22.69	185.7804	0.08164891	1	Complies
3.44	2.2080	22.46	176.1976	0.07743733	1	Complies

Note: the calculated distance is 20 cm.