

FCC RF EXPOSURE REPORT

FCC ID: 2AG7CBELL5

Project No. : 2010H035
Equipment : Wireless DoorBell
Brand Name : N/A
Test Model : BELL 5S
Series Model : BELL 5X, BELL 8S, EOD1-1003-SIL, EOD1-2003-SIL, WIFICDP10GY
Applicant : Hangzhou Meari Technology Co., Ltd.
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Changhe street, Binjiang District, Hangzhou, Zhejiang, China
Manufacturer : Hangzhou Meari Technology Co., Ltd.
Address : No. 91 Chutian Road, Xixing Street, Binjiang District, Hangzhou,
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Factory : Hangzhou Meari Technology Co., Ltd.
Address : No. 91 Chutian Road, Xixing Street, Binjiang District, Hangzhou,
Zhejiang, China
Date of Receipt : Nov. 03, 2020
Date of Test : Nov. 03, 2020~Dec. 28, 2020
Issued Date : Jan. 04, 2021
Report Version : R00
Test Sample : Engineering Sample No.: SH2020110266, SH2020110266-4,
SH2020110266-6
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Jan. 04, 2021

1. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

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

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

For 2.4G:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	FPC	N/A	3

For 915MHz:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	FPC	N/A	2

Note:

The antenna gain is provided by the manufacturer.

2. TEST RESULTS

For 2.4GHz:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3	1.9953	25	316.2278	0.125525	1	Complies

For 915MHz:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2	1.5849	-5.07	0.3112	0.000098	0.61	Complies

For the max simultaneous transmission MPE:

2.4G+915MHz

Power Density (S) (mW/cm ²)	Power Density (S) (mW/cm ²)	Total	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4GHz	915MHz			
0.125525	0.000098	0.0158	1	Complies

Note: The calculated distance is 20 cm.

Output power including tune up tolerance.

For 915MHz:

- Limit of Power Density=f/1500.
f= frequency in MHz. * = Plane-wave equivalent power density.
- Total= $(0.125525 / 1)^2 + (0.000098 / 0.61)^2 = 0.0158$
- For d=3m
EIRP(dBm)=E(dBμV / m)-95.2
EIRP = output power + G (Ant Gain)
EIRP=92.13-95.2=-3.07
Output power=-9.35-2=-5.07

End of Test Report