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.
Address	:	Room 604-605,Building 1,No.768 Jianghong Road, Changhe street,Binjiang District,Hangzhou,Zhejiang,China
Manufacturer	:	Hangzhou Meari Technology Co., Ltd.
Address	:	No. 91 Chutian Road, Xixing Street, Binjiang District, Hangzhou, Zhejiang, China
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.

Maker Qi

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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/cm2) 2.4GHz	Power Density (S) (mW/cm2) 915MHz	Total	Limit of Power Density (S) (mW/cm2)	Test Result
0.125525	0.000098	0.0158	1	Complies

Note: The calculated distance is 20 cm.
      Output power including tune up tolerance.
      For 915MHz:
1.   Limit of Power Density=f/1500.
     f= frequency in MHz. * = Plane-wave equivalent power density.
2.   Total= $(0.125525 / 1)^2 + (0.000098/ 0.61)^2 =0.0158$
3.   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