

FCC RF EXPOSURE REPORT

FCC ID: 2APPZ-X5U

Project No. : 1908C039
Equipment : IP Phone
Brand Name : Fanvil
Test Model : X5U
Series Model : N/A
Applicant : Fanvil Technology Co., Ltd.
Address : 4F, Block A, Building 1#, GaoXinQi Hi-Tech Park (Phase-II), 67th District, Bao'An, Shenzhen, China
Manufacturer : Fanvil Technology Co., Ltd.
Address : 4F, Block A, Building 1#, GaoXinQi Hi-Tech Park (Phase-II), 67th District, Bao'An, Shenzhen, China
Factory : Fanvil Technology Co., Ltd.
Address : 4F, Block A, Building 1#, GaoXinQi Hi-Tech Park (Phase-II), 67th District, Bao'An, Shenzhen, China
Date of Receipt : Aug. 05, 2019
Date of Test : Aug. 19, 2019 ~ Sep. 19, 2019
Issued Date : Sep. 27, 2019
Report Version : R00
Test Sample : Engineering Sample No.: DG19081916
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091
FCC Title 47 Part 2.1091, OET Bulletin 65 Supplement C

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	Sep. 27, 2019

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:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1		YJL01.106.001.301B	Internal	N/A	2.7

2. TEST RESULTS

Tune up tolerance(dBm)
± 1.5

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.7	1.8621	8.95	7.8524	0.00291	1	Complies

Note: The calculated distance is 20 cm.

Output power including tune up tolerance(tune up tolerance: ± 1.5 dBm).

End of Test Report