

# 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	 佳	YJL01.106.001.301B	Internal	N/A	2.7

**2. TEST RESULTS**

Tune up tolerance(dBm)
$\pm 1.5$

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	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:  $\pm 1.5$  dBm).

**End of Test Report**