RF EXPOSURE REPORT

Applicant	YEALINK(XIAMEN) NETWORK TECHNOLOGY CO.,LTD.
Address	309, 3rd Floor, No.16, Yun Ding North Road, Huli District, Xiamen City, Fujian, P.R. China

Manufacturer or Supplier	YEALINK(XIAMEN) NETWORK TECHNOLOGY CO.,LTD.
Address	309, 3rd Floor, No.16, Yun Ding North Road, Huli District, Xiamen City, Fujian, P.R. China
Product	Module Device
Brand Name	YEALINK
Model	YL1023
Additional Model & Model Difference	N/A
Date of tests	Jul. 18, 2018 ~ Aug. 13, 2018

☒ **FCC Part 2 (Section 2.1091)**
☒ **KDB 447498 D01**
☒ **IEEE C95.1**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Andy Zhu Project Engineer / EMC Department	Approved by Glyn He Supervisor/ EMC Department
	
	Date: Aug. 22, 2018

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM180718N068	Original release	Aug. 22, 2018

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1. CERTIFICATION

PRODUCT:	Module Device
BRAND NAME:	YEALINK
MODEL NO.:	YL1023
ADDITIONAL MODEL:	N/A
FCC ID:	T2C-YL1023
TEST SAMPLE:	ENGINEERING SAMPLE
APPLICANT:	YEALINK(XIAMEN) NETWORK TECHNOLOGY CO.,LTD.
TESTED DATES:	Jul. 18, 2018 ~ Aug. 13, 2018
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm^2)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	…	…	F/1500	30
1500-100,000	…	…	1.0	30

F = Frequency in MHz

3. MPE CALCULATION FORMULA

$Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in mW/cm^2

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Frequency Band	Antenna Gain (dBi)	Antenna Type
Wi-Fi 5GHz (5250-5350MHz)	3.42	FPCB Antenna
Wi-Fi 5GHz (5500-5725MHz)	3.42	FPCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
Wi-Fi 5GHz(Band2)	5250-5350MHz	13	+-2	11	15
Wi-Fi 5GHz(Band3)	5500-5725MHz	15	+-2	13	17

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
Wi-Fi 5GHz(Band2)	5300	13.19
Wi-Fi 5GHz(Band3)	5580	15.89

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
Wi-Fi 5GHz	17	3.42	20	0.021914	1.0

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