FCC MPE Report

RF EXPOSURE REPORT

Applicant	Qingdao Yeelink infomation Technology Co., Ltd.
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Manufacturer or Supplier	Hangzhou Taige Antu industrial Co., Ltd.
Address	2nd Floor, Building 2, Phase ll, Electronic Equipment IndustryPark, No. 16 Yaojia Road, Fengchuan Street, Tonglu County,Hangzhou City, Zhejiang Province, P.R.China
Product	YEELIGHT RGB NIGHT LIGHT
Trade Mark	Yeelight
Model	YLYYD-0026
Additional Model & Model Difference	N/A
Date of tests	Apr. 4~15, 2025
☒ **FCC Part 2 (Section 2.1091)** ☒ **KDB 447498 D01** ☒ **IEEE C95.1**	
CONCLUSION: The submitted sample was found to <u>COMPLY</u> with the test requirement	

Tested by : LBi Li

(LBi Li)

Reviewed by : Vincent Yang

(Vincent Yang)

Approved & Authorized Signer : Kendy Wang

(Kendy Wang)

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1. MOBILE DEVICE EVALUATION METHOD AND LIMIT

Human exposure to RF emissions from mobile devices (47 CFR S2.1091) may be evaluated based on the MPElimits adopted by the FCC for electric and magnetic field strength and/or power density, as appropriate, sinceexposures are assumed to occur at distances of 20 cm or more from persons

LIMITS FOR GENERAL POPULATION UNCONTROLLED EXPOSURE

Frequency Range (MHz)	E-field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $\|E\|^2$, $\|H\|^2$ or S (Minutes)
0.3 – 1.34	614	1.63	(100)*	30
1.34 -- 30	824/f	2.19/f	($180/f^2$)*	30
30 -- 300	27.5	0.073	0.2	30
300 – 1500	--	--	f/1500	30
1500 -- 100,000	--	--	1.0	30

*Note:
1. f= Frequency in MHz * Plane-wave Equivalent Power Density
2. The averaging time for General Population/Uncontrolled exposure to fixed transmitters is not applicable formobile and portable transmitters. See 47 CFR SS2.1091 and 2.1093 on source-based time-averagingrequirement for mobile and portable transmitters.

$S=PG/4\pi R^2$

Where:
S=power density
P=power input to 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

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2. MEASUREMENT RESULT

Test Mode	Power input to antenna (dBu V/m)	Max Output power(mW)	Antenna Gain	Calculation Value	Power density (mW/CM2)
5.8G radar module					
Highest	99.67	2.78	1.3	0.00075	1.0

$S=PG/4\pi R^2$

Where:
S=power density
P=power input to 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

Note 1:Max Power (dBm) = Field Strength of Fundamental (dBuV/m@3m)-95.23
Note 2:Max Power (mW) = $10^{\wedge(\text{Max power (dBm)}/10)}$

According to KDB447498 D01 V06, threshold at which no SAR required is ≤1.0 mW/CM2, separationdistance is ≥20cm, and no simultaneous SARmeasurement is required.

3. Conclusion:

Power density average power is below SAR test exclusion power thresholds, the SAR evaluation isnot required.