

Product Name: Wi-Fi&Bluetooth Module	Report No: FCC022022-06244RF14
Product Model: YL43456	Security Classification: Open
Version: V1.0	Total Page: 6

TIRT Testing Report



Prepared By:	Checked By:	Approved By:	A circular blue stamp for TIRT Shenzhen. The outer ring contains the text "Beijing TIRT Technology Service Co., Ltd" and "TIRT Shenzhen". The center contains "TIRT Shenzhen" and a small asterisk.
Stone Tang	Randy Lv	Daniel Chen	
<i>Stone Tang</i>	<i>Randy Lv</i>	<i>Daniel chen</i>	

FCC RF EXPOSURE REPORT

FCC ID: T2C-YL43456

Equipment : Wi-Fi&Bluetooth Module
Brand Name : Yealink
Test Model : YL43456
Series Model : N/A
Applicant : YEALINK(XIAMEN) NETWORK TECHNOLOGY CO., LTD.
Address : No. 666 Hu'an Rd, Huli District Xiamen City, Fujian, P.R. China
Manufacturer : YEALINK(XIAMEN) NETWORK TECHNOLOGY CO., LTD.
Address : No. 666 Hu'an Rd, Huli District Xiamen City, Fujian, P.R. China
Issued Date : Jan. 28, 2023
Report Version : V1.0
Test Sample : Engineering Sample No.: 20221206021239
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091
FCC Title 47 Part 2.1091
KDB 447498 D01 General RF Exposure Guidance v06

- The test result referred exclusively to the presented test model /sample.
- Without written approval of TIRT Inc. the test report shall not reproduced except in full.

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
FCC022022-06244RF14	V1.0	Original Report	2023.01.28	Valid

1. TEST FACILITY

Company:	Beijing TIRT Technology Service Co.,Ltd Shenzhen
Address:	101, 3 # Factory Building, Gongjin Electronics Shatin Community, Kengzi Street, Pingshan District, Shenzhen, China
CNAS Registration Number:	CNAS L14158
A2LA Registration Number:	6049.01
FCC Accredited Lab. Designation Number:	CN1309
FCC Test Firm Registration Number:	825524
Telephone:	+86-0755-27087573

2. 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

For BT:

Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	FPC	N/A	3.0

For 2.4GHz:

Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	FPC	N/A	3.0

For 5GHz:

Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	FPC	N/A	3.0

Note:

- 1) The antenna gain is provided by the manufacturer.
- 2) The antenna is for testing purposes only.

3. TEST RESULTS

For BDR+EDR:

Directional Gain (dBi)	Directional 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
3.0	2.0	7.95	6.24	0.0025	1	Complies

For BLE:

Directional Gain (dBi)	Directional 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
3.0	2.0	3.53	2.25	0.0009	1	Complies

For 2.4GHz:

Directional Gain (dBi)	Directional 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
3.0	2.0	20.71	117.76	0.0467	1	Complies

For 5GHz:

Directional Gain (dBi)	Directional 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
3.0	2.0	16.28	46.46	0.0169	1	Complies

- Note: 1. The calculated distance is 20 cm.
 2. The BT function can't transmit at the same time with the Wifi function

End of Test Report