

FCC RF EXPOSURE REPORT

FCC ID: 2AXJ4H200

Project No.	:	2206C030
Equipment	:	Tapo Smart Hub
Brand Name	:	tp-link, tapo
Test Model	:	Таро Н200
Series Model	:	N/A
Applicant	:	TP-Link Corporation Limited
Address	:	Room 901, 9/F., New East Ocean Centre, 9 Science Museum Road,
		Tsim Sha Tsui, Kowloon, Hong Kong
Manufacturer	:	TP-Link Corporation Limited
Address	:	Room 901, 9/F., New East Ocean Centre, 9 Science Museum Road,
		Tsim Sha Tsui, Kowloon, Hong Kong
Date of Receipt	:	Jul. 27, 2022
Date of Test	:	Jul. 28, 2022 ~ Sep. 06, 2022
Issued Date	:	Sep. 20, 2022
Report Version	:	R00
Test Sample	:	Engineering Sample No.: DG20220728110, DG20220728108
Standard(s)	:	FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091 FCC Title 47 Part 2.1091

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 No.	Version	Description	Issued Date	Note
BTL-FCCP-3-2206C030	R00	Original Report	Sep. 20, 2022	Valid



1. TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 3 Jinshagang 1st Rd. Shixia, Dalang Town Dongguan City, Guangdong 523792 People's Republic of China. BTL's Registration Number for FCC: 357015 BTL's Designation Number for FCC: CN1240

2. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRF}{4\pi r^2}$$

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:

For 2.4GHz:

Ant. Brand		P/N Antenna Type		Connector	Gain(dBi)	
1	TP-LINK [®]	3101504698	PCB	Weld	1.83	
2 TP-LINK [®]		3101505257	PCB	Weld	1.75	

For Sub 1G:

Ant.	Brand	P/N	Antenna Type	Connector	Gain(dBi)
1	TP-LINK [®]	3101505258	РСВ	Weld	-7.27

3. TEST RESULTS

For 2.4GHz:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Average Output Power (dBm)	Max. Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
1.83	1.5241	29.18	0.8280	0.25116	1	Complies

For Sub 1G:

Antenna Gain (dBi)	Antenna 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
-7.27	0.1875	17.32	0.0540	0.00201	1	Complies

For the max simultaneous transmission MPE:

R	Total	Limit of Ratio	Test Result	
2.4GHz Sub 1G				TOTAL
0.25116	0.00201		1	Complies

Note: The calculated distance is 20 cm.

Output power including tune up tolerance.

End of Test Report