



FCC TEST REPORT FCC ID: 2BDUR-4001790

Product	:	Suitcase Turnable	
Model Name	:	4001790	
Brand	:	RADIOSHACK	
Report No.	:	PTC24061804301E-FC02	

Prepared for

RADIOSHACK WORLDWIDE CORP.

Millennium Tower, 18th floor Paseo General Escalon Number 3675 Col. Escalon, San Salvador, El Salvador, C.A

Prepared by

Precise Testing & Certification Co., Ltd.

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TEST RESULT CERTIFICATION

Applicant's name : RADIOSHACK WORLDWIDE CORP.

Address Millennium Tower, 18th floor Paseo General Escalon Number

3675 Col. Escalon, San Salvador, El Salvador, C.A.

Manufacture's name : Timsen Development Limited

Address : 5F, 447# Tianhebei Road, Guangzhou, China

Product name : Suitcase Turnable

Model name : 4001790

Test procedure : FCC CFR47 Part 1.1307(b)(1)

Test Date : Jun. 25, 2024 to Jul. 04, 2024

Date of Issue : Aug. 27, 2024

Test Result : PASS

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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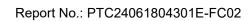
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2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	15.247 (i)	PASS
Remark:		
N/A: Not Applicable		



3 General Information

3.1 General Description of E.U.T.

		,		
Product Name	:	Suitcase Turnable		
Model Name	:	4001790		
Additional model	:	N/A		
Specification	:	Bluetooth BDR+EDR		
Operation Frequency	:	2402-2480MHz for BT		
Number of Channel	:	79 channels for BDR+EDR		
Type of Modulation	:	GFSK, Π/4-DQPSK,8DPSK For DSS		
Antenna installation	:	PCB antenna		
Antenna Gain	:	1.9 dBi		
Power supply	:	Adapter: GKYPS0100050UL1 Input: AC100-240V 50/60Hz Output: DC 5.0V 1A		
Hardware Version	:	N/A		
Software Version	:	N/A		



4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : KDB 447498 D01 General RF Exposure Guidance v06

4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500		300	F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
	27.0	0.070	-	
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz; *Plane-wave equivalent power density



4.3 MPE Calculation Method

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d}$$
Power Density: Pd (W/m²) = $\frac{E^2}{377}$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$Pd = \frac{30 \times P \times G}{377 \times d^2} \theta \varphi$$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

4.4 Test Result

Mode	Antenna Gain (numeric)	Max. Peak Output Power (dBm)		Max Tune Up Power (mW)	Power Density (mW/cm2)	Limit of Power Density (mW/cm2)	Result
2402	1.55	4.05	4.05±1	3.198895	0.000899	1	Pass

******THE END REPORT*****