

TEST REPORT

Product Name : 7' Pirate Skeleton Bluetooth
Model Number : H54884-03956
FCC ID : 2BOCQ548840395

Prepared for : Pan Asian Creations Limited
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1. TEST RESULT CERTIFICATION

Applicant : Pan Asian Creations Limited
Address : Penglongpan Industrial Park plant 1, No. 82, Songyuansha Community Center,
Guanhu Street, Longhua District, Shenzhen
Manufacturer : Pan Asian Creations Limited
Address : Penglongpan Industrial Park plant 1, No. 82, Songyuansha Community Center,
Guanhu Street, Longhua District, Shenzhen
Factory : Pan Asian Creations Limited
Address : Penglongpan Industrial Park plant 1, No. 82, Songyuansha Community Center,
Guanhu Street, Longhua District, Shenzhen
EUT : 7' Pirate Skeleton Bluetooth
Model Name : H54884-03956
Trademark : Member'S MARK

Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
§ 15.247(i), § 2.1093	PASS

The above equipment was tested by EMTEK(DONGGUAN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules FCC § 15.247(i), § 2.1093.

The test results of this report relate only to the tested sample identified in this report

Date of Test : March 06, 2025 to March 21, 2025

Prepared by : Warren Deng
Warren Deng /Editor

Reviewer : Tim Dong
Tim Dong /Supervisor

Approve & Authorized Signer : Sam Lv / Manager



Modified History

Version	Report No.	Revision Date	Summary
	EDG2501150156E00302R	/	Original Report



2. EUT Specification

Characteristics	Description
Product:	7' Pirate Skeleton Bluetooth
Model Number:	H54884-03956
Sample:	1#
Data Rate:	1Mbps for GFSK modulation 2Mbps for $\pi/4$ -DQPSK modulation
Modulation:	GFSK, $\pi/4$ -DQPSK
Operating Frequency Range(s) :	2402-2480MHz
Number of Channels:	79 channels
Transmit Power Max:	-3.26(0.000472 W)
Antenna Gain:	-0.58 dBi
Power supply:	DC4.5V 2A from Adapter
Evaluation applied:	☒ MPE Evaluation ☐ SAR Evaluation

3. Test Requirement

RF EXPOSURE EVALUATION

According to §15.247(i) and §1.1307(b)(1), 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 level in excess of the Commission's guidelines.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f_{(\text{GHz})}}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR,}^{24} \text{ where}$$

- $f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation²⁵
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval. One antenna is available for the EUT. The minimum separation distance is 5mm.

4. Measurement Result

gain:	-0.58 dBi	BT EMF							
Mode	Frequency (MHz)	Output Power (dBm)	E.I.R.P.(dBm)	Target Power W/tolerance (dBm)	Max tune up power(dBm) tolerance	Max tuneup power(mW) tolerance	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Verdict
GFSK	2402	-3.81	-4.39	-4±1	-3	0.50	0.000087	1	PASS
	2441	-4.6	-5.18	-5±1	-4	0.40	0.000069	1	PASS
	2480	-5.21	-5.79	-6±1	-5	0.32	0.000055	1	PASS
π/4-DQPSK	2402	-3.26	-3.84	-4±1	-3	0.50	0.000087	1	PASS
	2441	-4	-4.58	-4±1	-3	0.50	0.000087	1	PASS
	2480	-4.58	-5.16	-5±1	-4	0.40	0.000069	1	PASS

According to KDB 447498, no stand-alone required for BT antenna, and no simultaneous SAR measurement

*** End of Report ***