RF Exposure Report

For

Applicant name:	SPARK TECH CREATIONS LIMITED
Address:	ROOM 702, 7/F WAGA COMMERCIAL CENTRE 99 WELLINGTON STREET CENTRAL HK
EUT name:	Molly&Cody Tracker T1
Brand name:	N/A
Model number:	GTK-11
Series model number:	N/A
FCC ID:	2BORO-GTK1119010125

Issued By

Company name:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Report number:	BTF250617R00203
Test standards:	47 CFR Part 2 Subpart J Section 2.1091
Test conclusion:	Pass
Date of sample receipt:	2025-03-21
Test date:	2025-03-22~2025-05-30
Date of issue:	2025-06-20

Prepared by: Chris Liu

Chris Liu / Project engineer

Approved by: BTF Testing Lab (Shenzhen) Co., Ltd.

Ryan.C.J /EMC manager

Note: All the test results in this report only related to the testing samples. Which can be duplicated completely for the legal use with approval of applicant; it shall not be reproduced except in full without the written approval of BTF Testing Lab (Shenzhen) Co., Ltd., All the objections should be raised within thirty days from the date of issue. To validate the report, you can contact us.

Revision History		
Version	Issue Date	Revisions Content
R_V0	2025-06-20	Original
Note:	*Once the revision has been made, then previous versions reports are invalid.*	

Table of Contents

1. Introduction

1.1 Laboratory Location

Test location:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	101/201/301, Building 1, Block 2, Tantou Industrial Park,Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Phone number:	+86-0755-23146130
Fax number:	+86-0755-23146130

1.2 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Designation No.: CN1409**

  BTF Testing Lab (Shenzhen) Co., Ltd. has been accredited as a testing laboratory by FCC (Federal Communications Commission). The test firm Registration No. is 518915.

- **CNAS - Registration No.: CNAS L17568**

  BTF Testing Lab (Shenzhen) Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L17568.

- **A2LA - Registration No.: 6660.01**

  BTF Testing Lab (Shenzhen) Co., Ltd. is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.

1.3 Announcement

(1) The test report reference to the report template version v0.

(2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.

(3) The test report is invalid if there is any evidence and/or falsification.

(4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.

(5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.

(6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

2. Product Information

2.1 Application Information

Company Name:	SPARK TECH CREATIONS LIMITED
Address:	ROOM 702, 7/F WAGA COMMERCIAL CENTRE 99 WELLINGTON STREET CENTRAL HK

2.2 Manufacturer Information

Company Name:	Shenzhen Celltel Communication Technology Co., Ltd
Address:	Rm 1301 Block D, Tianan Cloud Pack Building 3th, Bantian Street, Longgang District, Shenzhen City, Guangdong Province, P. R. C.

2.3 Factory Information

Company Name:	Huizhou Celltel Technology Co. , Ltd.
Address:	2-4/F, Building B, No. 2 Songlin Road, Huihuan Street, Zhongkai High tech Zone, Huizhou,Guangdong

2.4 General Description of Equipment under Test (EUT)

EUT name	Molly&Cody Tracker T1
Under test model name	GTK-11
Series model name	N/A
Description of model name differentiation	N/A
Hardware Version	A64A1_MB_V1.0
Software Version	MC01_RM_WF_JQ_V1.0.0_250318
Rating:	Rated Voltage：DC3.85V Charge Limit Voltage：DC 4.35V Capacity：540mAh

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3. Test Requirement

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b), Limits for Maximum Permissible Exposure (MPE),

Frequency range (MHz)	Electric field strength(V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3–3.0	614	1.63	*(100)	6
3.0–30	1842/f	4.89/f	*($900/f^2$)	6
30–300	61.4	0.163	1.0	6
300–1500	-	-	f/300	6
1500–100,000	-	-	5	6
(B) Limits for General Population/Uncontrolled Exposure				
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: f = frequency in MHz

EVALUATION METHOD

Transmission formula: **$Pd = (Pout*G)/(4*pi*r^2)$**

Where

Pd = power density in mW/cm^2, **Pout** = output power to antenna in mW, **G** = gain of antenna in linear scale;

Pi = 3.1416, **R** = distance between observation point and center of the radiator in cm

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Manufacturing Tolerance

Frequency (MHz)	BLE_Conducted Power		
	2412	2440	2480
Target (dBm)	-3.42	-3.85	-1.20
Tolerance ± (dB)	1.0	1.0	1.0

Frequency (MHz)	Conducted Power					
	Band 2	Band 4	Band 5	Band 7	Band 12	Band 14
Target (dBm)	23.11	23.47	23.84	23.32	24.07	24.11
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0

Frequency (MHz)	Conducted Power					
	Band 17	Band 25	Band 26	Band 41	Band 66	--
Target (dBm)	23.72	22.96	24.61	23.88	23.73	--
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	--

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4.Test Result

Calculation

Mode	f (MHz)	Antenna Distance (cm)	Max.RF output power		Power Density (S) (mW/cm^2)	Power Density (S) (mW/cm^2) Limit	Result
			dBm	mW			
BLE	2480	20	-0.20	0.955	0.00017	1	Pass
LTE_Band2	1880	20	24.11	257.632	0.034	1	Pass
LTE_Band4	1732.5	20	24.47	279.898	0.027	1	Pass
LTE_Band5	844	20	24.84	304.789	0.0289	0.56	Pass
LTE_Band7	2507.5	20	24.32	270.396	0.0273	1	Pass
LTE_Band12	707.5	20	25.07	321.366	0.0265	0.47	Pass
LTE_Band14	795.5	20	25.11	324.340	0.0244	0.53	Pass
LTE_Band17	711.0	20	24.72	296.483	0.1636	0.47	Pass
LTE_Band25	1907.5	20	23.96	248.886	0.0322	1	Pass
LTE_Band26	821.5	20	25.61	363.915	0.0343	0.55	Pass
LTE_Band41	2680.0	20	24.88	307.610	0.0376	1	Pass
LTE_Band66	1777.5	20	24.73	297.167	0.0310	1	Pass

Note:

1.The Maxinum power is less than the limit, complies with the exemption requirements.

2.Output power including max.turn-up tolerance;

3.The calculated distance is 20cm.

4.Simultaneous emission is not supported.

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