TCT通测检测 TESTING CENTRE TECHNOLOGY						
TEST REPORT						
FCC ID:	2BH9C-LPPSLFXASG					
Test Report No:	CT240819E026					
Date of issue:	Sep. 02, 2024					
Testing laboratory::	SHENZHEN TONGCE TESTING LAB					
Testing location/ address:	2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China					
Applicant's name::	PRISM TECH PTE. LTD					
Address:	996 BENDEMEER ROAD, #03-07 B CENTRAL, SINGAPORE (339944), Singapore					
Manufacturer's name :	PRISM TECH PTE. LTD					
Address:	996 BENDEMEER ROAD, #03-07 B CENTRAL, SINGAPORE (339944), Singapore					
Standard(s):	FCC CFR Title 47 Part 1.1307					
Product Name::	Sentinel Pro					
Trade Mark:	PRISM+					
Model/Type reference :	LPPSLFXASG, LPPSLFXACR, LPPSLFXANS, LPPSLFXACG, LPPSLFXAOB					
Rating(s):	Rechargeable Li-ion Battery DC 7.4V					
Date of receipt of test item	Aug. 12, 2024					
Date (s) of performance of test:	Aug. 12, 2024 ~ Sep. 02, 2024					
Tested by (+signature) :	Onnado YE					
Check by (+signature) :	Beryl ZHAO					
Approved by (+signature):	Tomsin					

General disclaimer:

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Report No.: TCT240819E026

Table of Contents

1.	General Product Information			
	1.1. EUT description	<u> </u>	<u>)</u>	
	1.2. Model(s) list			3
2.	General Information			4
	2.1. Test environment and mode			4
	2.2. Description of Support Units			
3.	Facilities and Accreditations		<u>)</u>	
	3.1. Facilities			5
	3.2. Location			5
4.	Test Results and Measurement Data .	<u>(</u> G)	<u>(G)</u>	6





1. General Product Information

1.1. EUT description

Product Name:	Sentinel Pro	(\mathbf{c}^{*})		(\mathbf{c}^{\star})
Model/Type reference:	LPPSLFXASG			
Sample Number	TCT240819E018-0101			
Operation Frequency:	For BLE: 2402MHz~2480MHz For NFC: 13.56MHz		No.	
Modulation Type:	For BLE: GFSK			
Antenna Type:	PCB Antenna			
Antenna Gain:	For BLE: -1.16dBi For NFC: 0dBi			
Rating(s):	Rechargeable Li-ion Battery DC	7.4V		

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

1.2. Model(s) list

FXACR, LPP	SLFXAOB are derivativ	, LPPSLFX	e models are	identical in o	
LPP el, other models	SLFXAOB are derivativ	e models. Th	e models are		

Report No.: TCT240819E026

2. General Information

2.1. Test environment and mode

Item	Normal condition					
Temperature	+25°C					
Voltage	(c	DC 7.4V				
Humidity		56%				
Atmospheric Pressure:	(c^{*})	1010 mbar		(c		
Test Mode:						
Transmitting Mode:	Keep the I	EUT in continuous transm	itting by select char	nel		

2.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
1			1	1
Mater				

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 20dB Occupied Bandwidth, Carrier Frequencies Separation, Hopping Channel Number, Dwell Time, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

Report No.: TCT240819E026



3. Facilities and Accreditations

3.1. Facilities

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

• FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC Registration No.: 10668A
- SHENZHEN TONGCE TESTING LAB
- CAB identifier: CN0031

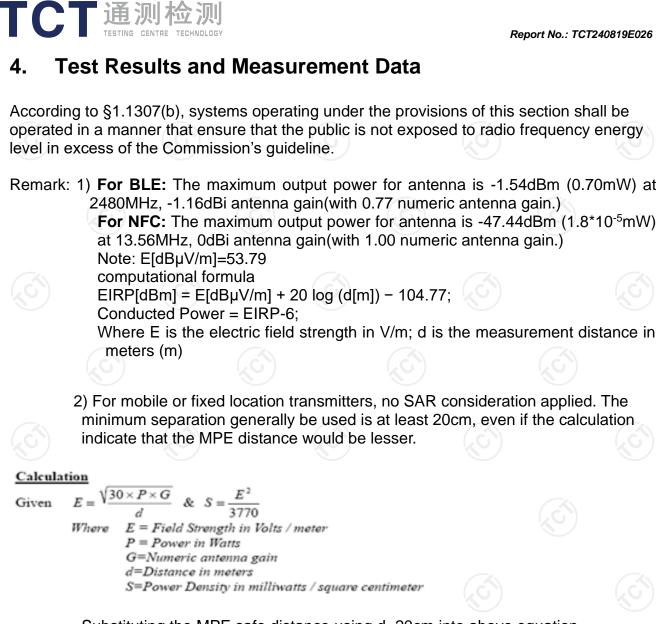
The testing lab has been registered by Innovation, Science and Economic Development Canada for radio equipment testing.

3.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China TEL: +86-755-27673339





Substituting the MPE safe distance using d=20cm into above equation. Yields: S=0.000199*P*G

Mode	Power (dBm)	Power (mW)	numeric antenna	Power density (mW/cm ²)	Limit (mW/cm ²)	Result
BLE	-1.54	0.70	gain 0.77	(mW/cm ²) 0.000107	1.00	D 100
NFC	-47.44	1.8*10 ⁻⁵	1.00	4*10 ⁻⁹	0.98	PASS

Note: BLE/NFC Can be transmitted simultaneously, MPE calculate is as follow, MPE=0.000107/1.0+4*10⁻⁹/0.98 =0.000107<1.

Page 6 of 6

*****END OF REPORT*****