

RF Exposure Evaluation Report

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Date of issue.....:	February 23,2023	
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Applicant's name Shenzhen Lingdong Chuangxin Technology Co.,LTD		
Address	1886,18/F,Block C,Electronic Technology Building,Huaqiang North Street,Futian District,Shenzhen City,China	
Test specification/ Standard 47 CFR Part 1.1307 47 CFR Part 2.1093		
TRF Originator	Shenzhen Most Technology Service Co., Ltd.	
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Test item description	SMART WATCH	
Trade Mark	STARSTA TASTARS	
Manufacturer	Shenzhen Lingdong Chuangxin Technology Co.,LTD	
Model/Type reference.....:	S8+ Ultra	
Listed Models	GS Ultra8,X8+ Ultra,GS Ultra8+, S68+ Ultra,W68 Ultra,M8 Ultra,M88 Ultra, S9 Ultra, S9+ Ultra, X9 Ultra,W69 Ultra,S10 Ultra,S10+ Ultra,X10+ Ultra,W10 Ultra	
Modulation Type	GFSK	
Operation Frequency.....:	From 2402MHz to 2480MHz	
Hardware Version.....	V1.0	
Software Version	V1.0	
Rating	DC3.7V(by Battery) DC5V(by USB)	
Result.....:	PASS	

TEST REPORT

Equipment under Test : SMART WATCH

Model /Type : S8+ Ultra

Listed Models GS Ultra8,X8+ Ultra,GS Ultra8+, S68+ Ultra,W68 Ultra,M8 Ultra,M88 Ultra, S9 Ultra, S9+ Ultra, X9 Ultra,W69 Ultra,S10 Ultra,S10+ Ultra,X10+ Ultra,W10 Ultra

Remark Only the model name and appearance are different

Applicant : **Shenzhen Lingdong Chuangxin Technology Co.,LTD**

Address : 1886,18/F,Block C,Electronic Technology Building,Huaqiang North Street,Futian District,Shenzhen City,China

Manufacturer : **Shenzhen Lingdong Chuangxin Technology Co.,LTD**

Address : 1886,18/F,Block C,Electronic Technology Building,Huaqiang North Street,Futian District,Shenzhen City,China

Test Result:	PASS
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2023.02.23	Initial Issue	Alisa Luo

2. SAR Evaluation

2.1 RF Exposure Compliance Requirement

2.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

2.1.2 Limits

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:

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

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

The result is rounded to one decimal place for comparison

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 is applied to determine SAR test exclusion

2.1.3 EUT RF Exposure

Measurement Data

BLE

GFSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2402MHz)	-0.919	-0.919 ± 1	0.081
Middle(2441MHz)	-0.456	-0.456 ± 1	0.544
Highest(2480MHz)	-0.146	-0.146 ± 1	0.854

Worst case: GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold	SAR Test Exclusion
		(dBm)	(mW)			
Highest (2480MHz)	-0.146	0.854	1.22	0.38	3.0	Yes

.....THE END OF REPORT.....