



FCC RF EXPOSURE REPORT

FCC ID: 2AY2VSWEX01

Project No. : 2102C293A
Equipment : SOL-X SmartWatch
Brand Name : SOL-X
Test Model : SW-EX-01
Series Model : N/A
Applicant : SOL-X Pte. Ltd.
Address : 1 Kim Seng Promenade #14-10 Great World City Singapore 267994
Manufacturer : SOL-X Pte. Ltd.
Address : 1 Kim Seng Promenade #14-10 Great World City Singapore 267994
Factory : Shenzhen Yecon Industry Co., Ltd
Address : Section A of Floor 6 and Floor 1 to Floor 5, No. 101, No. 2 Building,
 District 6th, Cuigang Industrial Zone, Huaide, Fuyong, Bao'an District,
 Shenzhen City, Guangdong Province, P.R. China
Date of Receipt : Nov. 10, 2025
Date of Test : ---
Issued Date : Dec. 30, 2025
Test Sample : ---
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & KDB447498 D01
 v06

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Dongguan)

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-5-2102C293A	R00	This is a copy report which referencing test data are provided from the original test report (BTL-FCCP-5-2102C293A) and due to below items: 1. Changed the address of applicant and manufacturer. 2. Changed the factory information. 3. Added the battery (model: HDS723234). Above do not affect the test.	Dec. 30, 2025	Valid

Remark: For the original report (BTL-FCCP-5-2102C293), the test data, data evaluation, and equipment configuration contained was accredited by the Authority of A2LA according to the ISO/IEC 17025 quality assessment standard and technical standard(s).

1. GENERAL CONCLUSION

According to FCC KDB447498 D01 v06, Appendix A, SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$
 ≤ 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 calculation
- The result is rounded to one decimal place for comparison

Appendix A - SAR Test Exclusion Thresholds for 100 MHz - 6 GHz and ≤ 50 mm											
MHz	5	10	15	20	25	30	35	40	45	50	mm
150	39	77	116	155	194	232	271	310	349	387	SAR Test Exclusion Thresholds (mW)
300	27	55	82	110	137	164	192	219	246	274	
450	22	45	67	89	112	134	157	179	201	224	
835	16	33	49	66	82	98	115	131	148	164	
900	16	32	47	63	79	95	111	126	142	158	
1500	12	24	37	49	61	73	86	98	110	122	
1900	11	22	33	44	54	65	76	87	98	109	
2450	10	19	29	38	48	57	67	77	86	96	
3600	8	16	24	32	40	47	55	63	71	79	
5200	7	13	20	26	33	39	46	53	59	66	
5400	6	13	19	26	32	39	45	52	58	65	
5800	6	12	19	25	31	37	44	50	56	62	

2. TABLE FOR FILED ANTENNA

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	sunnyway	MW681	PIFA	LDS	-0.97

Note: The antenna gain is provided by the manufacturer.

3. TEST RESULTS

Max. Output Power (dBm)	Max. Output Power (mW)	Limit (mW)
-5.68	0.2704	10

Note:

- (1) Output power including tune up tolerance.
- (2) The maximum measured output peak power of this EUT is 0.2704mW, less than 10mW at 5mm distance.
Conclusion: No SAR evaluation required since transmitter power is below FCC threshold.
- (3) The Max. Output Power is provided by the manufacturer.

End of Test Report