



经续检验

SLG-CPC Testlaboratory

## TEST REPORT




Report Number. .... :	90362-25-72-25-PP002	
Date of issue ..... :	2025.05.15	
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Standard(s) ..... :	FCC 47 CFR Part 15, Subpart C	
EUT ..... :	Temperature Logger	
Trade Mark ..... :	MOKO SMART	
Model/Type reference..... :	S05T	
FCC ID ..... :	2AO94-S05T	
Date of receipt of test item ..... :	2025.04.11	
Date (s) of performance of test:	2025.04.11- 2025.04.26	
Summary of Test Results ..... :	Pass	
The Summary of Test Results based on a technical opinion belongs to the standard(s).		
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Modified History

Report No.	Revision Date	Summary
90362-25-72-25-PP002	2025.05.15	Original Report

## RF EXPOSURE EVALUATION

### 1. EUT Specification

<b>EUT</b>	Temperature Logger
<b>Model Number</b>	S05T
<b>FCC ID</b>	2AO94-S05T
<b>Antenna gain (Max)</b>	4.25dBi
<b>Operation Frequency</b>	2402-2480MHz
<b>Input Rating</b>	DC 3.0V
<b>Standard</b>	47 CFR Part 1.1307 47 CFR Part 1.1310 KDB447498D01 General RF Exposure Guidance v06
<b>Modulation</b>	BLE

### 2. Limits

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:  $[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  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<sup>17</sup>. The result is rounded to one decimal place for comparison. The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  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.

According to KDB447498D01 General RF Exposure Guidance v06

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.

### 3. Measurement Result

Operation Mode: GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
GFSK -Lowest (2402MHz)	4.23	4±1	5	3.16	0.98	3.0
GFSK -Middle (2440MHz)	4.06	4±1	5	3.16	0.99	
GFSK -Highest (2480MHz)	4.40	4±1	5	3.16	1.00	
Conclusion: the calculated value ≤3.0, SAR is exempted.						

Remark: The Max Conducted Peak Output Power data refer to report Report No.: 90362-25-72-25-PP001.

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