

TEST REPORT

Report Number	90600-25-72-25-PP002
Date of issue	2025.07.16
Prepared by (+signature).....	Pale
Reviewer (+signature).....	Duke
Approved by (+signature)	Jason
Testing Laboratory name	SLG-CPC Testlaboratory Co., Ltd.
Address	No. 11, Wu Song Road, Dongcheng District Dongguan, Guangdong Province, 523117, People's Republic of China
Applicant's name	MOKO TECHNOLOGY LIMITED
Address	Factory 201, 107 Pinshun Rd Guixiang community, Guanlan Street, Longhua, Shenzhen, China 518110
Manufacturer's name	MOKO TECHNOLOGY LIMITED
Address	Factory 201, 107 Pinshun Rd Guixiang community, Guanlan Street, Longhua, Shenzhen, China 518110
Factory's name	MOKO TECHNOLOGY LIMITED
Address	Factory 201, 107 Pinshun Rd Guixiang community, Guanlan Street, Longhua, Shenzhen, China 518110
Standard(s)	FCC 1.1310: §1.1307(b)
Test item description	SoftFoam Asset Tag
Trade Mark	MOKO SMART
Model/Type reference	N2
FCC ID	2AO94-N2
Date of receipt of test item	2025.06.16
Date (s) of performance of test:	2025.06.16- 2025.07.02
Test Report Form No.	FCC CFR Part 1_B1
Master TRF.....	Dated 2021-09
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
90600-25-72-25-PP002	2025.07.16	Original Report

1. EUT Specification

Product:	SoftFoam Asset Tag
Model Number:	N2
Power supply:	<input checked="" type="checkbox"/> DC 3.0V <input type="checkbox"/> Adapter information
Modulation:	BLE(GFSK)
Frequency Range:	2402MHz~2480MHz
Number of Channels:	40channels
Antenna Gain:	PCB antenna , 5.36dBi Gain
Antenna:	PCB antenna

2. Test Requirement

RF EXPOSURE EVALUATION

According to FCC 1.1310: 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)

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

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: BLE						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
GFSK - Lowest (2402MHz)	2.98	2±1	3	2.00	0.62	3.0
GFSK - Middle (2440MHz)	3.70	3±1	4	2.51	0.78	
GFSK - Highest (2480MHz)	4.01	4±1	5	3.16	1.00	
Conclusion: the calculated value ≤3.0, SAR is exempted.						

The Maximum power is less than the limit, complies with the exemption requirements, SAR is exempted.

Remark: The Max Conducted Peak Output Power data refer to report Report No.: 90600-25-72-25-PP001.

THE END

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