


TEST REPORT		
Report Number. .... :	90474-25-72-25-PP002	
Date of issue .... :	2025.06.23	
Prepared by (+signature)..... :	Pale	
Reviewer (+signature)..... :	Duke	
Approved by (+signature) ..... :	Jason	
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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 .....	Bluetooth Module	
Trade Mark .....	MOKO SMART	
Model/Type reference .....	MK17A, MK17B	
FCC ID .....	2AO94-MK17	
Date of receipt of test item .....	2025.05.14	
Date (s) of performance of test:	2025.05.14- 2025.05.24	
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
90474-25-72-25-PP002	2025.06.23	Original Report

## 1. EUT Specification

Product:	Bluetooth Module
Model Number:	MK17A, MK17B
Power supply:	<input checked="" type="checkbox"/> : DC 3.3V <input type="checkbox"/> :Adapter information
Modulation:	BLE(GFSK)
Frequency Range:	2402MHz~2480MHz
Number of Channels:	40channels
Antenna Gain:	MK17A :PCB antenna , 5.03dBi Gain MK17B :FPC antenna , 3.28dBi Gain
Antenna:	MK17A :PCB antenna MK17B :FPC 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  $\leq 50$  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:	Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold
				(dBm)	(mW)		
BLE 1MHz	GFSK - Lowest (2402MHz)	3.89	3±1	4	2.51	0.78	3.0
	GFSK - Middle (2440MHz)	4.25	4±1	5	3.16	0.99	
	GFSK - Highest (2480MHz)	4.50	4±1	5	3.16	1.00	
BLE 1MHz	GFSK - Lowest (2402MHz)	3.62	3±1	4	2.51	0.78	
	GFSK - Middle (2440MHz)	3.98	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.: 90474-25-72-25-PP001.

THE END

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