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RF Exposure Evaluation Report

Report No.: CQASZ20200500012EX-02

Applicant: MOKO TECHNOLOGY LIMITED

Address of Applicant: 2F, Building1,No.37 Xiaxintang Xintang village, Fucheng Street, Longhua

District , Shenzhen, Guangdong Province, China

Equipment Under Test (EUT):

Product: Smart Watch

Model No.: H709

Brand Name: > fitpolo 2A094-H709

FCC ID: 2AO94-H709

Standards: 47 CFR Part 1.1307

47 CFR Part 2.1093

KDB447498D01 General RF Exposure Guidance v06

Date of Test: 2020-04-23 to 2020-05-05

Date of Issue: 2020-05-08

Test Result: PASS*

Tested By:

(Tom Chen)

Tor Cha.

Reviewed By:

(Sheek Luo)

Approved By:

(Jack Ai)



The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CQA, this report can't be reproduced except in full.

^{*} In the configuration tested, the EUT complied with the standards specified above.

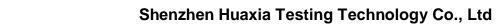


Report No.: CQASZ20200500012EX-02

1 Version

Revision History Of Report

Report No.	Version Description		Issue Date
CQASZ20200500012EX-02	Rev.01	Initial report	2020-05-08





Report No.: CQASZ20200500012EX-02

2 Contents

		Page
1	VERSION	2
2	2 CONTENTS	3
3	GENERAL INFORMATION	4
	3.1 CLIENT INFORMATION	4 4
4	SAR EVALUATION	5
	4.1 RF Exposure Compliance Requirement	5 5
	4.1.3 EUT RF Exposure	6



Report No.: CQASZ20200500012EX-02

3 General Information

3.1 Client Information

Applicant:	MOKO TECHNOLOGY LIMITED	
Address of Applicant:	2F, Building1,No.37 Xiaxintang Xintang village, Fucheng Street, Longh District, Shenzhen,Guangdong Province, China	
Manufacturer:	MOKO TECHNOLOGY LIMITED	
Address of Manufacturer:	2F, Building1,No.37 Xiaxintang Xintang village, Fucheng Street, Longhua District, Shenzhen,Guangdong Province, China	
Factory:	MOKO TECHNOLOGY LIMITED	
Address of Factory:	2F, Building1,No.37 Xiaxintang Xintang village, Fucheng Street, Longhua District, Shenzhen,Guangdong Province, China	

3.2 General Description of EUT

Product Name:	Smart Watch
Model No.:	H709
Trade Mark:	> fitpolo
Type of Modulation:	BLE(GFSK)
Channel Spacing:	2MHz
Operation Frequency:	2402-2480MHz
Antenna Type:	FPC antenna
Antenna:	0 dBi gain
Power Supply:	DC 3.7V



Report No.: CQASZ20200500012EX-02

4 SAR Evaluation

4.1 RF Exposure Compliance Requirement

4.1.1 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.

4.1.2 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:

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

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation 17

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



Report No.: CQASZ20200500012EX-02

4.1.3 EUT RF Exposure

1) For BLE

Worst case: GFSK							
Channel	Maximum		Maximum		Calculated	Exclusion threshold	
	Peak	Tune up tolerance	tune-up Power				
	Conducted		(dBm) (mW) value				
	Output Power	(dBm)		value			
	(dBm)						
Lowest				0.710		3.0	
(2402MHz)	3.06	3±1	4	2.512	0.78		
Middle							
(2440MHz)	3.77	3±1	4	2.512	0.78		
Highest							
(2480MHz)	4.34	4±1	5	3.162	1.00		
Conclusion: the calculated value ≤3.0, SAR is exempted.							

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20200500012EX-01