

Shenzhen Most Technology Service Co., Ltd.

No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.

RF Exposure Evaluation Report

Compiled by

(position+printed name+signature)... File administrators Alisa Luo

Supervised by

(position+printed name+signature)... Test Engineer Sunny Deng

Approved by

(position+printed name+signature)..: Manager Yvette Zhou

Representative Laboratory Name.: Shenzhen Most Technology Service Co., Ltd.

Nanshan, Shenzhen, Guangdong, China.

Thisa Luc Sunny Deng Hutter

Applicant's name...... AllInOne Smart IOT TECHNOLIGY CO.,LTD

Address D215, Building D, Hongwan Business Centre, Gushu Community,

Xixiang Street, Baoan District, Shen Zhen

Test specification/ Standard: 47 CFR Part 1.1307

47 CFR Part 2.1093

TRF Originator...... Shenzhen Most Technology Service Co., Ltd.

Shenzhen Most Technology Service Co., Ltd. All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the Shenzhen Most Technology Service Co., Ltd. is acknowledged as copyright owner and source of the material. Shenzhen Most Technology Service Co., Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

Test item description ALL IN ONE HMBT01

Trade Mark N/A

Manufacturer AllInOne Smart IOT TECHNOLIGY CO.,LTD

Model/Type reference...... ALL_IN_ONE HMBT01

Listed Models N/A

Modulation Type GFSK

Operation Frequency...... From 2402MHz to 2480MHz

Hardware Version......V1.0

Software Version V1.0

Rating DC 3.7V by Battery

Result..... PASS

Report No.: MTEB22111612-H Page 2 of 6

TEST REPORT

Equipment under Test : ALL_IN_ONE HMBT01

Model /Type : ALL_IN_ONE HMBT01

Listed Models : N/A

Remark N/A

Applicant : AllInOne Smart IOT TECHNOLIGY CO.,LTD

Address : D215, Building D, Hongwan Business Centre, Gushu Community,

Xixiang Street, Baoan District, Shen Zhen

Manufacturer : AllInOne Smart IOT TECHNOLIGY CO.,LTD

Address : D215, Building D, Hongwan Business Centre, Gushu Community,

Xixiang Street, Baoan District, Shen Zhen

Test Result:	PASS
--------------	------

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Report No.: MTEB22111612-H Page 3 of 6

1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2022-11-23	Initial Issue	Alisa Luo

Report No.: MTEB22111612-H Page 4 of 6

2. SAR Evaluation

2.1 RF Exposure Compliance Requirement

2.1.1 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.

2.1.2 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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [$\sqrt{f(GHz)}$] ≤ 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 calculation¹⁷

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 \leq 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

Report No.: MTEB22111612-H Page 5 of 6

2.1.3 EUT RF Exposure

Measurement Data

BT classic

GFSK					
Test channel	Peak Output Power	Tune up tolerance	Maximum tune-up Power		
	(dBm)	(dBm)	(dBm)		
Lowest(2402MHz)	4.210	4.210±1	5.210		
Middle(2441MHz)	4.011	4.011±1	5.011		
Highest(2480MHz)	4.023	4.023±1	5.023		

π /4DQPSK					
Test channel	Peak Output Power	Tune up tolerance	Maximum tune-up Power		
(dBm)		(dBm)	(dBm)		
Lowest(2402MHz)	4.162	4.162±1	5.162		
Middle(2441MHz)	4.360	4.360±1	5.360		
Highest(2480MHz)	4.101	4.101±1	5.101		

8DPSK					
Test channel	Peak Output Power	Tune up tolerance	Maximum tune-up Power		
1 000 011011101	(dBm)		(dBm)		
Lowest(2402MHz)	4.300	4.300±1	5.300		
Middle(2441MHz)	4.125	4.125±1	5.125		
Highest(2480MHz)	4.251	4.251±1	5.251		

Worst case: π /4DQPSK						
Channel Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power		Calculated	Exclusion	SAR Test	
	Power	(dBm)	(mW)	value	threshold	Exclusion
Middle(2441MHz)	4.360	5.360	3.43	1.07	3.0	Yes

Report No.: MTEB22111612-H Page 6 of 6

BLE

GFSK					
Test channel	Peak Output Power	Tune up tolerance	Maximum tune-up Power		
	(dBm)	(dBm)	(dBm)		
Lowest(2402MHz)	3.013	3.013±1	4.013		
Middle(2440MHz)	3.415	3.415±1	4.415		
Highest(2480MHz)	3.031	3.031±1	4.031		

Worst case: GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power (dBm) (mW)		Calculated value	Exclusion threshold	SAR Test Exclusion
Middle(2440MHz)	3.415	4.415	2.76	0.86	3.0	Yes

.....THE END OF REPORT.....