MPE Test Report

Report No.:	XKH-18MA1161VTSHPB-2
FCC ID:	2AN4DM115
Product:	Pill Reminder
Model:	M115
Received Date:	Mar.28, 2018
Test Date:	Mar.28 to Apr.19, 2018
Issued Date:	Apr.19, 2018

Applicant:	XiaMen ZAYATA Technology Inc.
Address:	Room 904-6, 9/F, Venture Building, NO.1302 Jimei Avenue, Jimei District, Xiamen, Fujian, China
Manufacturer:	XiaMen ZAYATA Technology Inc.
Address:	Room 904-6, 9/F, Venture Building, NO.1302 Jimei Avenue, Jimei District, Xiamen, Fujian, China

Issued By:	BUREAU VERITAS ADT (Shanghai) Corporation
Lab Address:	No. 829, Xinzhuan Road, Shanghai, P.R.China (201612)

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Release Control Record

Issue No.	Description	Date Issued
XKH-18MA1161VTSHPB-2	Original release	Apr.19, 2018

1 Certificate of Conformity

Product:	Pill Reminder
Brand:	--
Model:	M115
Applicant:	XiaMen ZAYATA Technology Inc.
Test Date:	Mar.28 to Apr.19, 2018
Standards:	FCC Part 2 (Section 2.1093) KDB 447498 D01 General RF Exposure Guidance v06

The above equipment has been tested by **BUREAU VERITAS ADT (Shanghai) Corporation**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by : _____ , **Date:** Apr.19, 2018

Bing YE

Testing Engineer

Approved by : _____ , **Date:** Apr.19, 2018

Joy ZHU

Testing Manager

2 General Information

2.1 General Description of EUT

Product	Pill Reminder
Brand	--
Test Model	M115
Model Difference	--
Power Rating	DC5V for Pill Reminder, 100-240V~, 50/60Hz,0.3A for adapter
Modulation Type	GFSK
Modulation Technology	Bluetooth Low Energy 4.2
Operating Frequency	2.402 ~ 2.480GHz
Number of Channel	40
Antenna Type	PCB antenna
Antenna Connector	--
Antenna Gain	1 dBi

Note: For more details, please refer to the User's manual of the EUT.

3 Test Standards and Limits

3.1 Limits For FCC Radiofrequency radiation exposure:

According to §15.247 (i) and §1.1307(b)(1),systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

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)/(min test separation distance)]*[$\sqrt{f_{(GHz)}}$]≤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
- The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50mm, and for transmission frequencies between 100 MHz and 6GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval.

result = $P\sqrt{F}/D$

P= Maximum turn-up power in mW

F= Channel frequency in GHz

D= Minimum test separation distance in mm

4 Measurement and Calculation

4.1 Maximum transmit power

The Power Data is based on the RF Test Report XKH-18MA1161VTSHPB-1

CH	Test Channel	Power[dBm]	Max Tune Up Power [dBm]	Max Tune Up Power [mW]	Result	Limit
Low	2402	-13.59	-11.59	0.069	0.0169	3
Mid	2440	-14.62	-12.62	0.054	0.0133	3
High	2480	-15.26	-13.26	0.047	0.0117	3

One antenna is available for the EUT (BLE antenna).

Test Result: Pass

No SAR measurement is required.

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