TEST REPORT

Application No.:	BTEK231116001AE
Applicant:	QUANZHOU DAYTECH ELECTRONICS CO., LTD.
Address of Applicant:	Hengdali Business Center, North Quanan Road, Jinjiang City, Quanzhou, Fujian, China
Manufacturer:	QUANZHOU DAYTECH ELECTRONICS CO., LTD.
Address of Manufacturer:	Hengdali Business Center, North Quanan Road, Jinjiang City, Quanzhou, Fujian, China
Factory:	QUANZHOU DAYTECH ELECTRONICS CO., LTD.
Address of Factory:	Hengdali Business Center, North Quanan Road, Jinjiang City, Quanzhou, Fujian, China
Equipment Under Test (EUT):	
EUT Name:	Door Sensor
Model No.:	DS17BL, DS17WH, DS16BL, DS16WH, DS18BL, DS18WH, DS19BL, DS19WH Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Trade Mark:	N/A
Standard(s) :	47 CFR Part 2 Subpart J Section 2.1093
Date of Receipt:	2023-11-16
Date of Test:	2023-11-16 to 2023-11-24
Date of Issue:	2023-11-24
Test Result:	**Pass***

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

Damon Su
EMC Laboratory Manager

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		2023-11-24		*Original*

Authorized for issue by				
		Elma Yang **Elma Yang/ Project Engineer**		
		Carl Yang **Carl Yang /Reviewer**		

2 Contents

General Information

3.1 Details of E.U.T.

Power supply: DC 3V by CR2450 battery(13mA) Max
Cable(s): /
Frequency Range: 433.92MHz
Modulation Type: OOK
Number of Channels: 1
Antenna Type: PCB Antenna
Antenna Gain: 2.78dBi
Hardware Version: MC08-T-V2

Remark: The information in this section is provided by the applicant or manufacturer, BANTEK is not liable to the accuracy, suitability, reliability or/and integrity of the information.

3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
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The EUT has been tested as an independent unit.			

3.3 Test Location

All tests were performed at:
Shenzhen BANTEK Testing Co., Ltd.,
A5&A6, Building B1&B2, No.45 Gangtou Road, Bogang Community, Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518103
Tel:0755-2334 4200 Fax: 0755-2334 4200
FCC Registration Number: 264293
Designation Number: CN1356
No tests were sub-contracted.

3.4 Deviation from Standards

None

3.5 Abnormalities from Standard Conditions

None

4 Test Requirement

KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] • [√f(GHz)] ≤ 3.0

Where

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

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

-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 according to 4.1 f) is applied to determine SAR test exclusion.

4.1Assessment Result

☒ **Passed** ☐ **Not Applicable**

$$E = EIRP - 20\log D + 104.8$$

where:

E = electric field strength in dBμV/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

Note:Field strength(max)(dBuV/m) is reference to BTEK231116001AE001

Type	Frequency (MHz)	Field strength(max) (dBuV/m)	Maximum EIRP (dBm)	Maximum EIRP (mW)	Calculating data	Limit	Result
OOK	433.92	71.55	-23.71	0.0042	0.0005	3.0	Pass

Note: The exposure evaluation safety distance is 5mm.

- End of the Report -