

RF Exposure Evaluation Report

Product : Call Button
Trade mark : N/A
Model/Type reference : E-01, E-01AB, BB01
Serial Number : N/A
Report Number : EED32Q81781602
FCC ID : 2AWYQ-E-01A
Date of Issue : Dec. 19, 2024
Test Standards : 47 CFR Part 1.1307
47 CFR Part 1.1310
47 CFR Part 2.1091
47 CFR Part 2.1093
447498 D04 Interim General RF
Exposure Guidance v01
Test result : PASS

Prepared for:

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2 Version

Version No.	Date	Description
00	Dec. 19, 2024	Original

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4 General Information

4.1 Client Information

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

4.2 General Description of EUT

Product Name:	Call Button
Model No.(EUT):	E-01, E-01AB, BB01
Test Model No.:	E-01
Trade Mark:	N/A

4.3 Product Specification subjective to this standard

Frequency Range:	433MHz
Modulation Type:	Portable
Test Power Grade:	Default
Antenna Type:	PCB Antenna
Antenna Gain:	-1 dBi
Power Supply:	Battery: DC 12V
Sample Received Date:	Nov. 07, 2024
Sample tested Date:	Nov. 11, 2024 to Dec. 19, 2024
Remark:	Company Name and Address shown on Report, the sample(s) and sample Information was/ were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified. Model No.: E-01, E-01AB, BB01 Only the model E-01 was tested. Their have same electrical, PCB and layout, Different only in model designation and exterior color.

4.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax: +86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

4.5 Deviation from Standards

None.

4.6 Abnormalities from Standard Conditions

None.

4.7 Other Information Requested by the Customer

None.

5 SAR Evaluation

5.1 RF Exposure Compliance Requirement

5.1.1 Limits

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

$$\left[\frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \right] \cdot \sqrt{f(\text{GHz})} \leq 3.0$$

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.

5.1.2 EUT RF Exposure Evaluation

Type	Frequency (MHz)	Field strength (max)(dBuV/m)	Maximum Tune-up (dBm)	Maximum Tune-up (mW)	Calculating data	Limit	Result
OOK	433.92	58.85	-36	0.000251	0.00008	3.0	Pass

Note:

dBuV/m to dBm, $\text{dBm} = \text{dBuV/m} - 95.2$

①Note: The exposure evaluation safety distance is 5mm.;

②The test data please refer to the report of EED32Q81781601 and only the worst case data was recorded in the report.

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 CTI, this report can't be reproduced except in full.

*** End of Report ***