

Qisda Corporation
NO.157, SHAN-YING ROAD, SHAN-TING LI, GUEISHAN DIST.,
TAOYUAN 333 Taiwan

Federal Communications Commission
Authorization and Evaluation Division
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, MD 21046

Applicant's declaration concerning RF Radiation Exposure

We hereby indicate that the product
Product description: DONGLE BLUETOOTH BT-400
Model No: 5F.4431K.001

The equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The integral antennas used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter within the host device.

A safety statement concerning minimum separation distances from enclosure of the Product: DONGLE BLUETOOTH BT-400 will be integrated in the user's manual to provide end-users with transmitter operating conditions for satisfying RF exposure compliance.

The appropriate information can be drawn from the test report no: W6D21607-16048-C-1 and the accompanying calculations.

Company: Qisda Corporation

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Date: 2016-11-03

Signature 



Registration number: W6D21607-16048-C-1
 FCC ID: VRSBT400

3.2 Equivalent isotropic radiated power

FCC Rule: 15.247(b)(3)
 Bluetooth 2.0+EDR
 EIRP = max. conducted output power + antenna gain
 EIRP = 2.36 dBm + (-4.10 dBi) = -1.74 dBm
 Limit: EIRP = +36 dBm for Antenna gain <6dBi

Bluetooth 4.0
 EIRP = max. conducted output power + antenna gain
 EIRP = -0.21 dBm + (-4.10 dBi) = -4.31 dBm
 Limit: EIRP = +36 dBm for Antenna gain <6dBi

Test equipment used: ETSTW-RE 055

3.3 RF Exposure Compliance Requirements

RESULT:

Test standard : FCC KDB Publication
 447498 D01 General RF Exposure Guidance v06

According to 447498 D01 General RF Exposure Guidance v06:
 SAR evaluation, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

The enclosure of the device provides ≥ 0.5 cm separation from the antenna elements to significant metal parts of the enclosure to minimize potential perturbations.

Frequency Band:2400-2483.5 MHz
 Maximum Power fed to Antenna (BT2.0): 1.7219 mW
 Maximum Power fed to Antenna (BT4.0):0.9528 mW

Separation distances:
 Radiator to user: > 5 mm
 Distance prescribed in user manual: > 5 mm

| MHz | 5 | 10 | 15 | 20 | 25 | mm |
|------|----|----|----|----|----|-----------------------------------|
| 2450 | 10 | 19 | 29 | 38 | 48 | SAR Test Exclusion Threshold (mW) |

| MHz | 30 | 35 | 40 | 45 | 50 | mm |
|------|----|----|----|----|----|-----------------------------------|
| 2450 | 57 | 67 | 77 | 86 | 96 | SAR Test Exclusion Threshold (mW) |

| MHz | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | mm |
|-----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
|-----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|