

RF EXPOSURE REPORT

Reference No.....	:	WTN26X07220621W002
FCC ID.....	:	VYY1554EV02
Applicant.....	:	NINGBO DOOYA MECHANIC & ELECTRONIC TECHNOLOGY CO., LTD
Address.....	:	No.168 Shengguang Road, Luotuo, Zhenhai, Ningbo, ZHEJIANG, China
Manufacturer.....	:	The same as Applicant
Address.....	:	The same as Applicant
Product Name.....	:	Connector Mini Bridge
Model No.....	:	DD1554E
Standards.....	:	FCC Rule Part 1.1307 KDB 447498 D01
Date of Receipt sample.....	:	2026-07-27
Date of Test.....	:	2026-08-04 to 2026-08-25
Date of Issue.....	:	2026-08-27
Report Form No.....	:	WTX_Part 1_1307W
Result.....	:	Pass

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

Prepared By:

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Tested by:

Guila Wang

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Approved by:

Jason Su

Jason Su/Manager

1 General Information

General Description of EUT	
Product Name:	Connector Mini Bridge
Trade Name:	/
Model No.:	DD1554E
Adding Model(s):	/
Rated Voltage:	DC 5V
Power Adaptor :	/
Equipment Type:	Portable device

Technical Characteristics of EUT	
Frequency Range:	433.92MHz
Max. Field Strength:	433.92MHz: 77.02dBuV/m(3m)
Data Rate:	/
Modulation:	GFSK
Antenna Type:	Ceramic Antenna
Antenna Gain:	0dBi

2 Test Facility

Address of the test laboratory

Laboratory: Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

FCC – Registration No.: 125990

Waltek Testing Group (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. The Designation Number is CN5010, and Test Firm Registration Number is 125990.

Industry Canada (IC) Registration No.: 11464A

The 3m Semi-anechoic chamber of Waltek Testing Group (Shenzhen) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A and the CAB identifier is CN0057.

3 RF Exposure Exemption

According to the KDB 447498 D01 v06 section 4.3.1, for 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

$(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm}) \cdot [\sqrt{f(\text{GHz})}/x]$
W/kg for test separation distances ≤ 50 mm;

Where $x = 7.5$ for 1-g SAR, and $x = 18.75$ for 10-g SAR.

4 Calculated Result

Radio Access Technology	Prediction Frequency	Min. test separation distance	Max. Field Strength	Output Power	Tune-Up Power		Result	Limit
	(MHz)	(mm)	(dBuV/m)	(dBm)	(dBm)	(mW)		
SRD	433.92	5	77.02	-18.24	-18.0	0.02	0.1	3

Note: $\text{Output Power} = E - 104.8 + 20 \log D - \text{Antenna Gain}$

Prediction Frequency	Tune-Up Power	Min. test separation distance	X	1-g SAR	Limit
(MHz)	(mW)	(mm)		(W/kg)	(W/kg)
433.92	0.02	5	7.5	0.001	1.6

Mode for Simultaneous Multi-band Transmission:

Radio Access Technology	Wi-Fi SAR (W/kg)	SRD SAR (W/kg)	Simultaneous (W/kg)	Limit (W/kg)	Result
					Pass/Fail
Wi-Fi + SRD	0.229	0.001	0.230	1.6	Pass

Note:

For Wi-Fi & Bluetooth Internet of Things Module (FCC ID: 2AC7Z-ESPC3WROOM; the issue date: 07/06/2023)

1-g SAR Body Test Result: Wi-Fi is 0.229 W/kg; Bluetooth is 0.150 W/kg.

Bluetooth and Wi-Fi can't transmit at the same time. So the worst case is Wi-Fi + SRD.

Result: Pass