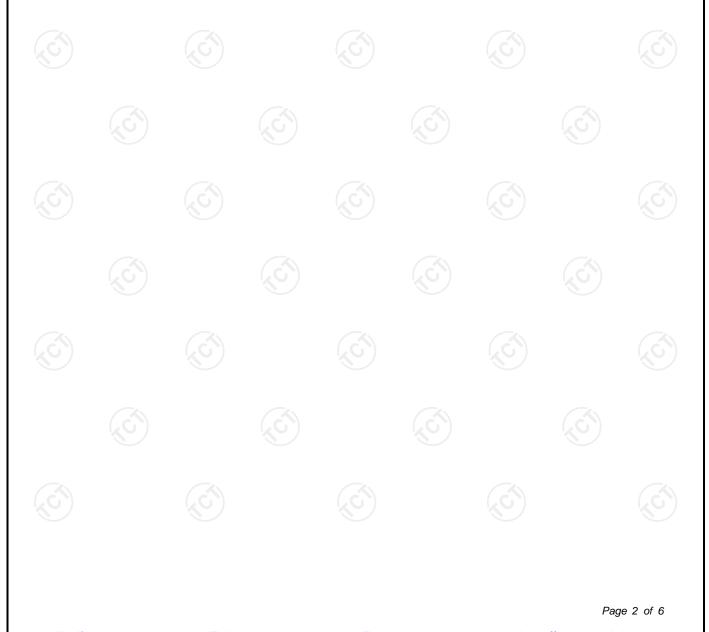
	TEST REPOR	Т		
FCC ID:	2BDOA-USS-3WI			
Test Report No::	TCT230804E010			
Date of issue:	Aug. 14, 2023			
Testing laboratory::	SHENZHEN TONGCE TESTING	G LAB		
Testing location/ address:	2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China			
Applicant's name::	Shenzhen Delixi Technology Co			
Address:	412, BLDG A, B, C, Zone B, Yua Community, Dalang St., Longhu			
Manufacturer's name :	Shenzhen Delixi Technology Co			
Address:	611, 6th Floor, Century Phoenix Business Center, Fenghuang First Industrial Zone, Fuyong Street, Bao'an District, Shenzhen, China			
Standard(s):	FCC CFR Title 47 Part 1.1307			
Product Name::	US Standard Switch			
Trade Mark:	N/A	N/A		
Model/Type reference :	USS-3WI, USS-1WI, USS-3ZB, USS-1ZB, USTS-1LNB-WI, USTS-1LNB-ZB, USTS-2LNB-WI, USTS-2LNB-ZB, USTS-3LNB-WI, USTS-3LNB-ZB, USTS-4LNB-WI, USTS-4LNB-ZB, USTS-1LB-WI, USTS-1LB-ZB, USTS-2LB-WI, USTS-2LB-ZB, USTS-3LB-WI, USTS-3LB-ZB, USTS-WH			
Rating(s):	AC 120V/60Hz			
Date of receipt of test item	Aug. 04, 2023			
Date (s) of performance of test:	Aug. 04, 2023 - Aug. 14, 2023			
Tested by (+signature) :	Ronaldo LUO	Ronaldo KANGCER		
Check by (+signature) :	Beryl ZHAO	Boy 1 1 TCT		
Approved by (+signature):	Tomsin	Toms in the st		
General disclaimer:				

General disclaimer:

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1. General Product Information

1.1. EUT description

Product Name:	US Standard Switch		
Model/Type reference:	USS-3WI		
Sample Number	TCT230804E009-0101		
Operation Frequency:	2412MHz~2462MHz (802.11b/802.11g/802.11n(HT20))		
Channel Separation:	5MHz		
Number of Channel:	11 for 802.11b/802.11g/802.11n(HT20)		
Modulation Technology:	802.11b: Direct Sequence Spread Spectrum (DSSS) 802.11g/802.11n: Orthogonal Frequency Division Multiplexing(OFDM)		
Data speed:	802.11b: 1Mbps, 2Mbps, 5.5Mbps, 11Mbps 802.11g: 6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps 802.11n: Up to 150Mbps		
Antenna Type:	PCB Antenna		
Antenna Gain:	1.37dBi		
Rating(s):	AC 120V/60Hz		

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

1.2. Model(s) list

No.		Model No.		Tested with
1		USS-3WI		\sim
Other models	USTS-1LNB USTS-3LNB USTS-4LN USTS-2LI	JSS-3ZB, USS-1ZB, UST -ZB, USTS-2LNB-WI, US -WI, USTS-3LNB-ZB, US B-ZB, USTS-1LB-WI, US 3-WI, USTS-2LB-ZB, UST USTS-3LB-ZB, USTS-WH	TS-2LNB-ZB, TS-4LNB-WI, TS-1LB-ZB, TS-3LB-WI,	
Note: USS-3WI is		nodels are derivative models. T names. So the test data of US		
layout, only				

Report No.: TCT230804E010

2. General Information

2.1. Test environment and mode

Normal condition		
+25°C		
C		
Keep the EUT in continuous transmitting by select channel		

2.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
/	/	/	/	/
<u> </u>				

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 20dB Occupied Bandwidth, Carrier Frequencies Separation, Hopping Channel Number, Dwell Time, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.



3. Facilities and Accreditations

3.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

• FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC Registration No.: 10668A-1
- SHENZHEN TONGCE TESTING LAB
- CAB identifier: CN0031

The testing lab has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

3.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China TEL: +86-755-27673339





4. Test Results and Measurement Data

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

Remark: 1) The maximum output power for antenna is 12.47dBm (17.66mW) at 2462MHz, 1.37dBi antenna gain (with 1.37 numeric antenna gain.)

2) For mobile or fixed location transmitters, no SAR consideration applied. The minimum separation generally be used is at least 20cm, even if the calculation indicate that the MPE distance would be lesser.

Calculation $\sqrt{30 \times P \times G}$ Given E =& S = d Where E = Field Strength in Volts / meter P = Power in WattsG=Numeric antenna gain d=Distance in meters S=Power Density in milliwatts / square centimeter Maximum Permissible Exposure output power= 17.66mW Numeric Antenna gain= 1.37 Substituting the MPE safe distance using d=20cm into above equation. Yields: S=0.000199*P*G Where P=Power in mW G=Numeric antenna gain S=Power density in mW/cm² Power density= 0.004815mW/cm² (For mobile or fixed location transmitters, the maximum power density is 1.0 mW/cm² even if the calculation indicates that the power density would be larger.)

*****END OF REPORT*****