



Application for Equipment Authorization Intertek TCB Form 731 (05-11-2015)

Applicant Information

Applicant's complete, legal business name: Shenzhen Chuangwei-RGB Electronics Co., Ltd.
FCC Registration Number (FRN): 0026807438
Line one: 13F-16F, Unit A, Skyworth Building, Shennan Road,
Line two: Nanshan District, Shenzhen
P.O. Box:
City: Shenzhen
State:
Country: China
Zip Code:

FCC ID

Grantee Code: 2ANM3
Product Code: NTUDU5

3 or 5 digit code assigned by the FCC
14 Maximum characters (letters, numbers, and dash)

Person at the applicant's address to receive grant or for contact

First Name: Dan
Middle Name:
Last Name: Fang
Title:
Telephone Number: +86-18820267050 **Extension:**
Fax Number: +86-755-27354190
Email: fangdan@skyworth.com
Mail Stop:

Technical Contact

Firm Name: Shenzhen UnionTrust Quality and Technology Co., Ltd.
First Name: Billy
Middle Name:
Last Name: Li
Line 1: 16/F, Block A, Building 6, Baoneng Science and Technology Park, Qingxiang Road No.1,
Line 2: Longhua New District, Shenzhen, China
P.O. Box:
City: Shenzhen
State:
Country: China
Zip Code: 518109
Telephone Number: 0755-28230888 **Extension:** 802
Fax Number: 0755-28230886
Email: billy.li@uttlab.com
Mail Stop:



Non Technical Contact

Firm Name: Shenzhen UnionTrust Quality and Technology Co., Ltd.
First Name: Billy
Middle Name:
Last Name: Li
Line 1: 16/F, Block A, Building 6, Baoneng Science and Technology Park, Qingxiang Road No.1,
Line 2: Longhua New District, Shenzhen, China
P.O. Box:
City: Shenzhen
State:
Country: China
Zip Code: 518109
Telephone Number: 0755-28230888 **Extension:** 802
Fax Number: 0755-28230886
Email: billy.li@uttlab.com
Mail Stop:

Long-Term Confidentiality

Does this application include a request for confidentiality for any portion(s) of the data contained in this application pursuant to 47 CFR § 0.459 of the Commission Rules?: Yes ☒ or No ☐

Short-Term Confidentiality

Does short-term confidentiality apply to this application?: Yes ☐ or No ☒
Is so, specify the short-term confidentiality release date (MM/DD/YYYY format):

Or

Set the short-term confidentiality release date to specified number of days from grant date marked below: Yes ☐ or No ☐

☐ - 45 days

☐ - 90 days

☐ -135 days

☐ -180 days

Grant Deferral

Does the applicant request that the Commission defer grant of this application pursuant to 47 CFR § 0.457(d)(1)(ii)?
Yes ☐ or No ☒

If so, specify date when grant may be issued (MM/DD/YYYY format):

Software Defined Radio

Is this application for software defined radio authorization?
Yes ☐ or No ☒

Equipment Class

Equipment Class (see pages 5-7): DSS

Description of product as it is marketed: (NOTE: This text will appear below the equipment class on the grant): WIFI MODULE



Related OET Knowledge Data Base Inquiry

Is there a KDB inquiry associated with this application?

Yes ☐ or No ☒

Modular Equipment

Modular Type:

- ☒ Single Modular Approval
 - ☐ Limited Single Modular Approval
 - ☐ Does Not Apply

Application Purpose

Application is for:

- ☒ Original Equipment
- ☐ Change in identification of presently authorized equipment
- ☐ Class II Permissive Change or modification of presently authorized equipment
- ☐ Class III permissive change to software defined radio

Original FCC ID:
Grant Date:

NOTE: This may only be filed for applications pertaining to Software Defined Radio.

Composite/Related Equipment

Is the equipment in this application a composite device subject to an additional equipment authorization? Yes ☒ or No ☐

Is the equipment in this application part of a system that operates with, or is marketed with, another device that requires an equipment authorization? Yes ☐ or No ☒

If either of the above questions is answered "yes", complete the following question:

The related application:

- ☐ has been granted under the FCC ID listed below:
☒ is in the process of being filed under the FCC ID listed below:
☐ is pending with the FCC under the FCC ID listed below:

FCC ID: 2ANM3NTUDU5

Equipment Specifications

Line Entry	Lower Frequency	Upper Frequency	Power Output (Watts)	Tolerance (insert units)	Emission Designator	Microprocessor Number	Rule Parts	Grant Notes
1	2402	2480	0.0210				15C	

5
6
7
8
9
10



Test Firm Information

Name of test firm and contact person on file with the FCC, if different from applicant or contact person:

Firm Name: Shenzhen UnionTrust Quality and Technology Co., Ltd.
First Name: Billy
Last Name: Li
Telephone Number: 0755-28230888 **Extension:** 802
Fax Number: 0755-28230886
Email: billy.li@uttlab.com

Grant Comments

Enter any text that you would like to appear at the bottom of the Grant of Equipment Authorization:

Modular Approval. Power Output listed is Conducted. This device is granted for use in Mobile only configurations in which the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and not be co-located with any other transmitters except in accordance with FCC multi-transmitter product procedures. Only those antenna(s) tested with the device or similar antenna(s) with equal or lesser gain may be used with this transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance. The Grantee is responsible for providing the documentation required for modular use. The responsibility for the use of this module, in all configurations utilized or contemplated, remains with the Grantee.

Applicant/Agent Certification:

I certify that I am authorized to sign this application. All of the statements herein and the exhibits attached hereto, are true and correct to the best of my knowledge and belief. In accepting a Grant of Equipment Authorization as a result of the representations made in this application, the applicant is responsible for (1) labeling the equipment with the exact FCC ID specified in this application, (2) compliance statement labeling pursuant to the applicable rules, and (3) compliance of the equipment with the applicable technical rules. If the applicant is not the actual manufacturer of the equipment, appropriate arrangements have been made with the manufacturer to ensure that production units of this equipment will continue to comply with the FCC's technical requirements.

Authorizing an agent to sign this application, is done solely at the applicant's discretion; however, the applicant remains responsible for all statements in this application.

If an agent has signed this application on behalf of the applicant, a written letter of authorization which includes information to enable the agent to respond to the above section 5301 (Anti-Drug Abuse) Certification statement has been provided by the applicant. It is understood that the letter of authorization must be submitted to the FCC upon request, and that the FCC reserves the right to contact the applicant directly at any time.

Signature of Authorized Person Filing:

Title of authorized signature:

Deputy General Manager

Complete items below if agent signs the application:

Firm Name: Shenzhen UnionTrust Quality and Technology Co., Ltd.
First Name: Billy
Middle Name:
Last Name: Li
Line 1: 16/F, Block A, Building 6, Baoneng Science and Technology Park, Qingxiang Road No.1,

Line 2:	Longhua New District,
P.O. Box:	
City:	Shenzhen
State:	
Country:	China
Zip Code:	518109

Definitions

Subject	Description
Confidentiality	If this item is answered "Yes" a fee is required for the "Request for Confidentiality" in addition to the fee for the requested equipment authorization. The written request for confidentiality must include a justification consistent with the requirements in 47 CFR Section 0.459(a) and (b). The confidentiality request must specifically identify the material to be held confidential. See 47 CFR Section 0.457(d), The material to be held confidential, along with a copy of the request, must be specifically annotated as a separate file in the Exhibits portion of this application.
Software Defined Radio	Select "Yes" if this application meets the definition of a software defined/cognitive radio (SDR) and is being applied for in this application. Software defined/cognitive radio, for regulatory purposes, is defined as "a radio that includes a transmitter in which the operating parameters of the transmitter, including the frequency range, modulation type or maximum radiated or conducted output power can be altered by making a change in software without making any hardware changes." At the present time TCBs cannot certify Software Defined Radios. These applications must be sent directly to the FCC for certification.

The following are Equipment Class and Rule Part combinations to be used to complete the Equipment Authorization System Form 731:

Equipment Class	Equipment Class Description	Rule Part
8CC	Part 18 Consumer Device	18
AIS	Automatic Identification Systems	80
AMP	Amplifier	101
AMP	Amplifier	22
AMP	Amplifier	22H
AMP	Amplifier	24
AMP	Amplifier	24D
AMP	Amplifier	24E
AMP	Amplifier	25
AMP	Amplifier	27
AMP	Amplifier	73
AMP	Amplifier	74
AMP	Amplifier	80
AMP	Amplifier	87
AMP	Amplifier	90
AMP	Amplifier	95
AMP	Amplifier	97
BPL	Access Broadband Over Powerline System	15G
CRD	Part 15 Radar Detector	15B
CRR	Superregenerative Receiver	15B
CSR	Scanning Receiver	15B
CXX	Communications Rcvr for use w/ licensed Tx and CBs	15B
CYY	Communications Receiver used w/Pt 15 Transmitter	15B
DCD	Part 15 Low Power Transmitter Below 1705 kHz	15C
DSC	Part 15 Security/Remote Control Transmitter	15.231
DSC	Part 15 Security/Remote Control Transmitter	15.231(e)
DSR	Part 15 Remote Control/Security Device Transceiver	15.231
DSR	Part 15 Remote Control/Security Device Transceiver	15.231(e)
DSS	Part 15 Spread Spectrum Transmitter	15C
DTS	Digital Transmission System	15C
DXT	Part 15 Low Power Transceiver, Rx Verified	15C
DXX	Part 15 Low Power Communication Device Transmitter	15C
EAD	Part 11 Emergency Alert Devices	11
EAV	Part 15 Automatic Vehicle Identification System	15.251
ETB	Part 15 Cordless Telephone Base Transceiver	15C
ETR	Part 15 Cordless Telephone Remote Transceiver	15C
ETS	Part 15 Cordless Telephone System	15C
FAP	Part 15 Anti-Pilferage Device	15C
FDS	Part 15 Field Disturbance Sensor	15.245
FDS	Part 15 Field Disturbance Sensor	15.253
FRB	Part 95 Family Radio Base Transmitter	95A
FRB	Part 95 Family Radio Base Transmitter	95B
FRE	Part 95 Family Radio Ear Held Transmitter	95A
FRE	Part 95 Family Radio Ear Held Transmitter	95B
FRF	Part 95 Family Radio Face Held Transmitter	80
FRF	Part 95 Family Radio Face Held Transmitter	95A
FRF	Part 95 Family Radio Face Held Transmitter	95B
FRT	Part 95 Family Radio Body Worn Transmitter	95A
FRT	Part 95 Family Radio Body Worn Transmitter	95B
GAT	Part 15 Auditory Assistance Device (Transmitter)	15.237
GEP	406 MHz EPIRB	80.1101(c)(5)
GHF	Part 80 HF Transmitter (GMDSS)	80.1101(c)(4)
GHH	Part 80 VHF Hand Held Transmitter (GMDSS)	80.1101(c)(7)
GMF	Part 80 MF Transmitter (GMDSS)	80.1101(c)(3)
GVH	Part 80 VHF Transmitter (GMDSS)	80.1101(c)(4)
HID	Part 15 TV Interface Device	15B
JBC	Part 15 Class B Computing Device/Personal Computer	15B
JBP	Part 15 Class B Computing Device Peripheral	15B
LMS	Part 90 Location & Monitoring Transmitter	90.353
LMS	Part 90 Location & Monitoring Transmitter	90.355
MRD	Marine Radar	80

Equipment Class	Equipment Class Description	Rule Part
MRD	Marine Radar	90
MWR	Part 80 Marine Watch Receiver	80.269
NII	Unlicensed National Information Infrastructure TX	15E
PCB	PCS Licensed Transmitter	101C
PCB	PCS Licensed Transmitter	22
PCB	PCS Licensed Transmitter	22H
PCB	PCS Licensed Transmitter	24.232(b)
PCB	PCS Licensed Transmitter	24D
PCB	PCS Licensed Transmitter	24E
PCB	PCS Licensed Transmitter	27
PCB	PCS Licensed Transmitter	90
PCB	PCS Licensed Transmitter	95G
PCE	PCS Licensed Transmitter held to ear	22
PCE	PCS Licensed Transmitter held to ear	22H
PCE	PCS Licensed Transmitter held to ear	24D
PCE	PCS Licensed Transmitter held to ear	24E
PCE	PCS Licensed Transmitter held to ear	27
PCE	PCS Licensed Transmitter held to ear	90
PCF	PCS Licensed Transmitter held to face	22H
PCF	PCS Licensed Transmitter held to face	24
PCF	PCS Licensed Transmitter held to face	24D
PCF	PCS Licensed Transmitter held to face	24E
PCF	PCS Licensed Transmitter held to face	90
PCT	PCS Licensed Transmitter worn on body	22
PCT	PCS Licensed Transmitter worn on body	22H
PCT	PCS Licensed Transmitter worn on body	24D
PCT	PCS Licensed Transmitter worn on body	24E
PCT	PCS Licensed Transmitter worn on body	27
PCT	PCS Licensed Transmitter worn on body	90
PCT	PCS Licensed Transmitter worn on body	95I
PLB	Personal Locator Beacons	95K
PUB	Part 15 Unlicensed PCS Base Station	15D
PUE	Part 15 Unlicensed PCS portable Tx held to ear	15D
PUF	Part 15 Unlicensed PCS portable Tx held to face	15D
PUT	Part 15 Unlicensed PCS portable Tx worn on body	15D
RNV	Part 80 NAVTEX Receiver	80.1101(c)(1)
SRT	Radar Transponder	80.1101(c)(6)
SSA	Ship Security Alert Systems (SSAS)	80
TBC	Licensed Broadcast Station Transmitter	27
TBC	Licensed Broadcast Station Transmitter	73
TBC	Licensed Broadcast Station Transmitter	74
TBF	Licensed Broadcast Transmitter Held to Face	74.861
TBT	Licensed Broadcast Transmitter Worn on Body	74.861
TDC	Part 80 DSC Controller	80.1101(c)(2)
TDC	Part 80 DSC Controller	80.1101(c)(3)
TDC	Part 80 DSC Controller	80.1101(c)(4)
TNB	Licensed Non-Broadcast Station Transmitter	101
TNB	Licensed Non-Broadcast Station Transmitter	22
TNB	Licensed Non-Broadcast Station Transmitter	22G
TNB	Licensed Non-Broadcast Station Transmitter	22H
TNB	Licensed Non-Broadcast Station Transmitter	25
TNB	Licensed Non-Broadcast Station Transmitter	27
TNB	Licensed Non-Broadcast Station Transmitter	74
TNB	Licensed Non-Broadcast Station Transmitter	80
TNB	Licensed Non-Broadcast Station Transmitter	87
TNB	Licensed Non-Broadcast Station Transmitter	90
TNB	Licensed Non-Broadcast Station Transmitter	90.203 (j)(7)
TNB	Licensed Non-Broadcast Station Transmitter	90.210
TNB	Licensed Non-Broadcast Station Transmitter	90.210(e)
TNB	Licensed Non-Broadcast Station Transmitter	90.217(b)
TNB	Licensed Non-Broadcast Station Transmitter	90.217(c)
TNB	Licensed Non-Broadcast Station Transmitter	90.259
TNB	Licensed Non-Broadcast Station Transmitter	90.265
TNB	Licensed Non-Broadcast Station Transmitter	90T
TNB	Licensed Non-Broadcast Station Transmitter	90Y
TNB	Licensed Non-Broadcast Station Transmitter	95A
TNB	Licensed Non-Broadcast Station Transmitter	95C
TNB	Licensed Non-Broadcast Station Transmitter	95D
TNB	Licensed Non-Broadcast Station Transmitter	95F
TNB	Licensed Non-Broadcast Station Transmitter	95G
TNB	Licensed Non-Broadcast Station Transmitter	95H
TNB	Licensed Non-Broadcast Station Transmitter	95I
TNB	Licensed Non-Broadcast Station Transmitter	95J
TNB	Licensed Non-Broadcast Station Transmitter	95L
TNE	Licensed Non-Broadcast Transmitter Held to Ear	101
TNE	Licensed Non-Broadcast Transmitter Held to Ear	22
TNE	Licensed Non-Broadcast Transmitter Held to Ear	22G
TNE	Licensed Non-Broadcast Transmitter Held to Ear	22H
TNE	Licensed Non-Broadcast Transmitter Held to Ear	25
TNE	Licensed Non-Broadcast Transmitter Held to Ear	27
TNE	Licensed Non-Broadcast Transmitter Held to Ear	74
TNE	Licensed Non-Broadcast Transmitter Held to Ear	80
TNE	Licensed Non-Broadcast Transmitter Held to Ear	87
TNE	Licensed Non-Broadcast Transmitter Held to Ear	90
TNE	Licensed Non-Broadcast Transmitter Held to Ear	90.210
TNE	Licensed Non-Broadcast Transmitter Held to Ear	90.210(e)

Equipment Class	Equipment Class Description	Rule Part
TNE	Licensed Non-Broadcast Transmitter Held to Ear	90.217(b)
TNE	Licensed Non-Broadcast Transmitter Held to Ear	90.217(c)
TNE	Licensed Non-Broadcast Transmitter Held to Ear	90.259
TNE	Licensed Non-Broadcast Transmitter Held to Ear	90.265
TNE	Licensed Non-Broadcast Transmitter Held to Ear	90Y
TNE	Licensed Non-Broadcast Transmitter Held to Ear	95A
TNE	Licensed Non-Broadcast Transmitter Held to Ear	95C
TNE	Licensed Non-Broadcast Transmitter Held to Ear	95F
TNE	Licensed Non-Broadcast Transmitter Held to Ear	95G
TNE	Licensed Non-Broadcast Transmitter Held to Ear	95H
TNE	Licensed Non-Broadcast Transmitter Held to Ear	95J
TNE	Licensed Non-Broadcast Transmitter Held to Ear	95L
TNF	Licensed Non-Broadcast Transmitter Held to Face	101
TNF	Licensed Non-Broadcast Transmitter Held to Face	22
TNF	Licensed Non-Broadcast Transmitter Held to Face	22G
TNF	Licensed Non-Broadcast Transmitter Held to Face	22H
TNF	Licensed Non-Broadcast Transmitter Held to Face	25
TNF	Licensed Non-Broadcast Transmitter Held to Face	27
TNF	Licensed Non-Broadcast Transmitter Held to Face	74
TNF	Licensed Non-Broadcast Transmitter Held to Face	80
TNF	Licensed Non-Broadcast Transmitter Held to Face	87
TNF	Licensed Non-Broadcast Transmitter Held to Face	90
TNF	Licensed Non-Broadcast Transmitter Held to Face	90.210
TNF	Licensed Non-Broadcast Transmitter Held to Face	90.210(e)
TNF	Licensed Non-Broadcast Transmitter Held to Face	90.217(b)
TNF	Licensed Non-Broadcast Transmitter Held to Face	90.217(c)
TNF	Licensed Non-Broadcast Transmitter Held to Face	90.259
TNF	Licensed Non-Broadcast Transmitter Held to Face	90.265
TNF	Licensed Non-Broadcast Transmitter Held to Face	90R
TNF	Licensed Non-Broadcast Transmitter Held to Face	90S
TNF	Licensed Non-Broadcast Transmitter Held to Face	90Y
TNF	Licensed Non-Broadcast Transmitter Held to Face	95A
TNF	Licensed Non-Broadcast Transmitter Held to Face	95C
TNF	Licensed Non-Broadcast Transmitter Held to Face	95D
TNF	Licensed Non-Broadcast Transmitter Held to Face	95F
TNF	Licensed Non-Broadcast Transmitter Held to Face	95G
TNF	Licensed Non-Broadcast Transmitter Held to Face	95H
TNF	Licensed Non-Broadcast Transmitter Held to Face	95J
TNF	Licensed Non-Broadcast Transmitter Held to Face	95L
TNT	Licensed Non-Broadcast Transmitter Worn on Body	101
TNT	Licensed Non-Broadcast Transmitter Worn on Body	22
TNT	Licensed Non-Broadcast Transmitter Worn on Body	22G
TNT	Licensed Non-Broadcast Transmitter Worn on Body	22H
TNT	Licensed Non-Broadcast Transmitter Worn on Body	25
TNT	Licensed Non-Broadcast Transmitter Worn on Body	27
TNT	Licensed Non-Broadcast Transmitter Worn on Body	74
TNT	Licensed Non-Broadcast Transmitter Worn on Body	80
TNT	Licensed Non-Broadcast Transmitter Worn on Body	87
TNT	Licensed Non-Broadcast Transmitter Worn on Body	90
TNT	Licensed Non-Broadcast Transmitter Worn on Body	90.217(b)
TNT	Licensed Non-Broadcast Transmitter Worn on Body	90.217(c)
TNT	Licensed Non-Broadcast Transmitter Worn on Body	90.259
TNT	Licensed Non-Broadcast Transmitter Worn on Body	90.265
TNT	Licensed Non-Broadcast Transmitter Worn on Body	90Y
TNT	Licensed Non-Broadcast Transmitter Worn on Body	95A
TNT	Licensed Non-Broadcast Transmitter Worn on Body	95C
TNT	Licensed Non-Broadcast Transmitter Worn on Body	95D
TNT	Licensed Non-Broadcast Transmitter Worn on Body	95F
TNT	Licensed Non-Broadcast Transmitter Worn on Body	95G
TNT	Licensed Non-Broadcast Transmitter Worn on Body	95H
TNT	Licensed Non-Broadcast Transmitter Worn on Body	95I
TNT	Licensed Non-Broadcast Transmitter Worn on Body	95J
TNT	Licensed Non-Broadcast Transmitter Worn on Body	95L
UWB	Ultra Wideband Transmitter	15F
WBT	Wideband Transmitter	15.250
WBT	Wideband Transmitter	15.252
WG1	White Space Device with Geo-location- Mode 1	15H
WG2	White Space Device with Geo-location- Mode 2	15H
WGF	White Space Device with Geo-location- Fixed	15H
WS1	White Space Device with Sensing-Mode 1	15H
WS2	White Space Device with Sensing-Mode 2	15H
WSF	White Space Device with Sensing-Fixed	15H