



<p align="center">TEST REPORT IEC 62680-1-2 Universal serial bus interfaces for data and power – Part 1-2: Common components - USB Power Delivery specification</p>	
Report reference No	: 2601R49438E-SF-02
Compiled by (+ signature)	: David Luo <i>David Luo</i>
Approved by (+ signature)	: Jason Chen
Date of issue	: 2026-05-23
Testing laboratory	: Bay Area Compliance Laboratories Corp. (Shenzhen)
Address	: 5/F. (B-West), 6&7/F., The 3rd Phase of Wanli Industrial Building D, Shihua Road, Fubao Community, Fubao Subdistrict, Futian District, Shenzhen, Guangdong, China
Testing location	: As above
Applicant's name	: Shenzhen Huafurui Technology Co., Ltd.
Address	: Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China
Manufacturer's name	: Shenzhen Huafurui Technology Co., Ltd.
Address	: Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China
Factory's name	: Not provided
Address	: Not provided
Test Standards	: IEC 62680-1-2:2024 Test for compliance with EN IEC 62680-1-2: 2022, Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification
Test sample(s) received	: 2026-04-28
Test in period	: 2026-04-28 to 2026-05-07
Test Result	: See the attached sheets.
<p>This test report is for the customer shown above and their specific product only. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Shenzhen).</p>	
Test item description	: Smartphone
Trade Mark	: 
Model/Type reference	: KINGKONG ES 5
Ratings	: Input: 5VDC --- 3A or 9VDC --- 3A or 12VDC --- 2.5A or 15VDC --- 2A or 20VDC --- 1.5A supplied by adapter

Test item particulars:		
Connector_Type	<input type="checkbox"/> Type-A <input checked="" type="checkbox"/> Type-C	<input type="checkbox"/> Type-B <input type="checkbox"/> Micro A/B
USB4_Supported	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
USB4_Router_Index	N/A	
USB_PD_Support	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
PD_Port_Type	<input checked="" type="checkbox"/> Consumer Only <input type="checkbox"/> Provider/Consumer <input type="checkbox"/> DRP <input type="checkbox"/> Consumer/Provider <input type="checkbox"/> Provider Only <input type="checkbox"/> eMarker	
Type_C_State_Machine	<input checked="" type="checkbox"/> SNK	<input type="checkbox"/> DRP
Port_Battery_Powered	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
BC_1_2_Support	<input checked="" type="checkbox"/> None <input type="checkbox"/> Charging Port <input type="checkbox"/> Portable Device <input type="checkbox"/> Both	
Captive_Cable	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Captive_Cable_Is_eMarked	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
USB ports in equipment	<input checked="" type="checkbox"/> UFP Type-C port: <input type="checkbox"/> UFP legacy port: <input type="checkbox"/> DFP Type-C port: <input type="checkbox"/> DFP legacy port: <input type="checkbox"/> DRP Type-C port: <input type="checkbox"/> Others:	
Attachments: <ol style="list-style-type: none"> 1. VIF (Vendor Information File) provided by the manufacturer 2. List of critical components 3. EUT PHOTOS 		
If additional information is necessary, please provide N/A		
Copy of marking plate: <div style="text-align: center;">  </div>		

Display/Ecrã: 6.88 inch HD+

CPU: SC T620

Data transfer/Transferência de dados: Type-C USB

Capacity/Capacidade: 7000mAh

Powered by Android™

(Android is a trademark of Google LLC.)

Address: Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road,
Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, 518129, P.R. China



Pictures of the product:

See attachment 3

Possible test case verdicts :

- test case does not apply to the test object..... : N/A(Not Apply)
- test object does meet the requirement : P(Pass)
- test object does not meet the requirement : F(Fail)

General remarks:

"(See remark #)" refers to a remark appended to the report.

"(See appended table)" refers to a table appended to the report.

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

This report applies only to the specific tests carried out as detailed in the report.

The tested sample was submitted by client.

Throughout this report a ☐ comma/ ☒ point is used as the decimal separator.

General product information:

The equipment under tests is a Class III Smartphone. It is powered by 5VDC $\overline{\text{---}}$ 3A or 9VDC $\overline{\text{---}}$ 3A or 12VDC $\overline{\text{---}}$ 2.5A or 15VDC $\overline{\text{---}}$ 2A or 20VDC $\overline{\text{---}}$ 1.5A Type-C port of adapter.

IEC 62680-1-2			
Clause	Requirement + Test	Result - Remark	Verdict
4	Electrical Requirements		—
5	Physical Layer		P
5.1	Physical Layer Overview		P
5.2	Physical Layer Functions		P
5.3	Symbol Encoding		P
5.4	Ordered Sets		P
5.5	Transmitted Bit Ordering		P
5.6	Packet Format		P
5.7	Collision Avoidance		P
5.8	Biphase Mark Coding (BMC) Signaling Scheme		P
5.9	Built in Self-Test (BIST)		P
6	Protocol Layer		P
6.1	Overview		P
6.2	Messages		P
6.3	Control Message		P
6.4	Data Message		P
6.5	Extended Message		P
6.6	Timers		P
6.7	Counters		P
6.8	Reset		P
6.9	Collision Avoidance		P
6.10	Message Discarding		P
6.11	State behavior		P
6.12	Message Applicability		P
6.13	Value Parameters		P
7	Power Supply		P
7.1	Source Requirements		P
7.2	Sink Requirements		P
7.3	Transitions		P
7.4	Electrical Parameters		P
8	Device Policy		P
8.1	Overview		P
8.2	Device Policy Manager		P
8.3	Policy Engine		P
9	States and Status Reporting		—
10	Power Rules		P
10.1	Introduction		P
10.2	Source Power Rules		P

IEC 62680-1-2			
Clause	Requirement + Test	Result - Remark	Verdict
10.3	Sink Power Rules		P
A	CRC calculation		—
B	PD Message Sequence Examples		—
C	VDM Command Examples		—
D	BMC Receiver Design Examples		—
E	FRS System Level Example		—

Attachment 1: VIF (Vendor Information File)

```
<?xml version="1.0" encoding="UTF-8"?>
- <vif:VIF xmlns:vif="http://usb.org/VendorInfoFile.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:opt="http://usb.org/VendorInfoFileOptionalContent.xsd">
  <vif:VIF_Specification>3.36</vif:VIF_Specification>
  - <vif:VIF_App>
    <vif:Vendor>USB-IF</vif:Vendor>
    <vif:Name>VIF Editor</vif:Name>
    <vif:Version>3.14.0.0</vif:Version>
  </vif:VIF_App>
  <vif:Vendor_Name>CHUANQI</vif:Vendor_Name>
  <vif:Model_Part_Number>G013</vif:Model_Part_Number>
  <vif:Product_Revision>REV 1.0</vif:Product_Revision>
  <vif:TID>1.0</vif:TID>
  <vif:VIF_Product_Type value="0">Port Product</vif:VIF_Product_Type>
  <vif:Certification_Type value="0">End Product</vif:Certification_Type>
  - <vif:Product>
    <!--Product Level Content-->
  </vif:Product>
  - <vif:Component>
    <!--Component 0: Port 0-->
    <!--Component-->
    <!--Component-->
    <vif:Port_Label>0</vif:Port_Label>
    <vif:Connector_Type value="2">Type-C</vif:Connector_Type>
    <vif:USB4_Supported value="false"/>
    <vif:USB_PD_Supported value="true"/>
    <vif:PD_Port_Type value="4">DRP</vif:PD_Port_Type>
    <vif:Type_C_State_Machine value="2">DRP</vif:Type_C_State_Machine>
    <vif:Port_Battery_Powered value="true"/>
    <vif:BC_1_2_Supported value="8">Portable Device</vif:BC_1_2_Supported>
    <vif:Captive_Cable value="false"/>
    <!--General PD-->
    <!--General PD-->
    <vif:PD_Spec_Revision_Major value="3">3</vif:PD_Spec_Revision_Major>
    <vif:PD_Spec_Revision_Minor value="1">1</vif:PD_Spec_Revision_Minor>
    <vif:PD_Spec_Version_Major value="1">1</vif:PD_Spec_Version_Major>
    <vif:PD_Spec_Version_Minor value="8">8</vif:PD_Spec_Version_Minor>
    <vif:PD_Specification_Revision value="2">Revision 3</vif:PD_Specification_Revision>
    <vif:SOP_Capable value="true"/>
    <vif:SOP_P_Capable value="false"/>
    <vif:SOP_PP_Capable value="false"/>
    <vif:SOP_P_Debug_Capable value="false"/>
    <vif:SOP_PP_Debug_Capable value="false"/>
    <vif:Manufacturer_Info_Supported_Port value="false"/>
    <vif:Chunking_Implemented_SOP value="false"/>
    <vif:Unchunked_Extended_Messages_Supported value="false"/>
    <vif:Security_Msgs_Supported_SOP value="false"/>
    <vif:Unconstrained_Power value="false"/>
    <vif:Num_Fixed_Batteries value="1">1</vif:Num_Fixed_Batteries>
    <vif:Num_Swappable_Battery_Slots value="0">0</vif:Num_Swappable_Battery_Slots>
    <vif:ID_Header_Connector_Type_SOP value="2">USB Type-C</vif:ID_Header_Connector_Type_SOP>
    <!--PD Capabilities-->
    <!--PD Capabilities-->
    <vif:USB_Comms_Capable value="true"/>
    <vif:DR_Swap_To_DFP_Supported value="true"/>
    <vif:DR_Swap_To_UFP_Supported value="true"/>
    <vif:VCONN_Swap_To_On_Supported value="false"/>
    <vif:VCONN_Swap_To_Off_Supported value="false"/>
    <vif:Responds_To_Discov_SOP_UFP value="true"/>
    <vif:Responds_To_Discov_SOP_DFP value="false"/>
    <vif:Attempts_Discov_SOP value="true"/>
    <vif:Power_Interruption_Available value="0">No Interruption Possible</vif:Power_Interruption_Available>
    <vif:Data_Reset_Supported value="false"/>
    <vif:Enter_USB_Supported value="false"/>
    <!--USB Type-C-->
    <!--USB Type-C-->
    <vif:Type_C_Can_Act_As_Host value="true"/>
    <vif:Type_C_Can_Act_As_Device value="true"/>
    <vif:Type_C_Implements_Try_SRC value="false"/>
    <vif:Type_C_Implements_Try_SNK value="false"/>
    <vif:Type_C_Supports_Audio_Accessory value="true"/>
    <vif:Type_C_Is_VCONN_Powered_Accessory value="false"/>
    <vif:Type_C_Is_Debug_Target_SRC value="false"/>
    <vif:Type_C_Is_Debug_Target_SNK value="false"/>
    <vif:RP_Value value="1">1.5A</vif:RP_Value>
    <vif:Type_C_Port_On_Hub value="false"/>
    <vif:Type_C_Power_Source value="2">Both</vif:Type_C_Power_Source>
    <vif:Type_C_Sources_VCONN value="false"/>
    <vif:Type_C_Is_Alt_Mode_Controller value="false"/>
    <vif:Type_C_Is_Alt_Mode_Adapter value="false"/>
    <!--Product Power-->
    <!--Product Power-->
    <vif:Product_Total_Source_Power_mW value="6000">6000 mW</vif:Product_Total_Source_Power_mW>
    <vif:Port_Source_Power_Type value="0">Assured</vif:Port_Source_Power_Type>
    <!--USB Host-->
    <!--USB Host-->
    <vif:Host_Supports_USB_Data value="true"/>
    <vif:Host_Speed value="0">USB 2</vif:Host_Speed>
    <vif:Host_Contains_Captive_Retimer value="false"/>
    <vif:Host_Is_Embedded value="false"/>
    <vif:Host_Suspend_Supported value="true"/>
    <vif:Is_DFP_On_Hub value="false"/>
    <!--USB Device-->
    <!--USB Device-->
```

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<vif:Device_Supports_USB_Data value="true"/>
<vif:Device_Speed value="0">USB 2</vif:Device_Speed>
<vif:Device_Max_USB2_Speed value="2">High Speed</vif:Device_Max_USB2_Speed>
<vif:Device_Contains_Captive_Retimer value="false"/>
<!--PD Source-->
<!--PD Source-->
<!--PD Source-->
<vif:PD_Power_As_Source value="6000">6000 mW</vif:PD_Power_As_Source>
<vif:EPR_Supported_As_Src value="false"/>
<vif:USB_Suspend_May_Be_Cleared value="false"/>
<vif:Sends_Pings value="false"/>
<vif:FR_Swap_Type_C_Current_Capability_As_Initial_Sink value="0">FR_Swap not supported</vif:FR_Swap_Type_C_Current_Capability_As_Initial_Sink>
<vif:Master_Port value="true"/>
<vif:Has_Invariant_PD_Os value="true"/>
<vif:Port_Managed_Guaranteed_Type value="0">Managed Capability</vif:Port_Managed_Guaranteed_Type>
<vif:DPS_Supported value="false"/>
<vif:Num_Src_PD_Os value="1">1 Src PD_O</vif:Num_Src_PD_Os>
<vif:PD_OC_Protection value="false"/>
<!--Bundle: SrcPdoList-->
- <vif:SrcPdoList>
- <vif:SrcPdo>
<!--Source PD 1-->
<vif:Src_PD_O_Supply_Type value="0">Fixed</vif:Src_PD_O_Supply_Type>
<vif:Src_PD_O_Peak_Current value="0">100% IOC</vif:Src_PD_O_Peak_Current>
<vif:Src_PD_O_Voltage value="100">5000 mV (Factor = 50)</vif:Src_PD_O_Voltage>
<vif:Src_PD_O_Max_Current value="40">400 mA (Factor = 10)</vif:Src_PD_O_Max_Current>
</vif:SrcPdo>
</vif:SrcPdoList>
<!--PD Sink-->
<!--PD Sink-->
<!--PD Sink-->
<vif:PD_Power_As_Sink value="33000">33000 mW</vif:PD_Power_As_Sink>
<vif:EPR_Supported_As_Snk value="false"/>
<vif:No_USB_Suspend_May_Be_Set value="true"/>
<vif:GiveBack_May_Be_Set value="false"/>
<vif:Higher_Capability_Set value="false"/>
<vif:FR_Swap_Reqd_Type_C_Current_As_Initial_Source value="0">FR_Swap not supported</vif:FR_Swap_Reqd_Type_C_Current_As_Initial_Source>
<vif:Num_Snk_PD_Os value="2">2 Snk PD_Os</vif:Num_Snk_PD_Os>
<!--Bundle: SnkPdoList-->
- <vif:SnkPdoList>
- <vif:SnkPdo>
<!--Sink PD 1-->
<vif:Snk_PD_O_Supply_Type value="0">Fixed</vif:Snk_PD_O_Supply_Type>
<vif:Snk_PD_O_Voltage value="100">5000 mV (Factor = 50)</vif:Snk_PD_O_Voltage>
<vif:Snk_PD_Op_Current value="300">3000 mA (Factor = 10)</vif:Snk_PD_Op_Current>
</vif:SnkPdo>
- <vif:SnkPdo>
<!--Sink PD 2-->
<vif:Snk_PD_O_Supply_Type value="3">Augmented</vif:Snk_PD_O_Supply_Type>
<vif:Snk_PD_O_APDO_Type value="0">Programmable Power Supply (SPR)</vif:Snk_PD_O_APDO_Type>
<vif:Snk_PD_O_Min_Voltage value="33">3300 mV (Factor = 100)</vif:Snk_PD_O_Min_Voltage>
<vif:Snk_PD_O_Max_Voltage value="110">11000 mV (Factor = 100)</vif:Snk_PD_O_Max_Voltage>
<vif:Snk_PD_Op_Current value="60">3000 mA (Factor = 50)</vif:Snk_PD_Op_Current>
</vif:SnkPdo>
</vif:SnkPdoList>
<!--Dual Role-->
<!--Dual Role-->
<!--Dual Role-->
<vif:Accepts_PR_Swap_As_Src value="true"/>
<vif:Accepts_PR_Swap_As_Snk value="true"/>
<vif:Requests_PR_Swap_As_Src value="true"/>
<vif:Requests_PR_Swap_As_Snk value="true"/>
<vif:FR_Swap_Supported_As_Initial_Sink value="false"/>
<!--SOP Discover ID-->
<!--SOP Discover ID-->
<!--SOP Discover ID-->
<vif:XID_SOP value="0">0</vif:XID_SOP>
<vif:Data_Capable_As_USB_Host_SOP value="true"/>
<vif:Data_Capable_As_USB_Device_SOP value="true"/>
<vif:Product_Type_UFP_SOP value="2">PDUSB Peripheral</vif:Product_Type_UFP_SOP>
<vif:Product_Type_DFP_SOP value="2">PDUSB Host</vif:Product_Type_DFP_SOP>
<vif:Modal_Operation_Supported_SOP value="false"/>
<vif:USB_VID_SOP value="6018">1782</vif:USB_VID_SOP>
<vif:PID_SOP value="25440">6360</vif:PID_SOP>
<vif:bcdDevice_SOP value="0">0000</vif:bcdDevice_SOP>
</vif:Component>
</vif:VIF>

```


Attachment 2: List of critical components

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity
USB3.2 Type-C Receptacle Connector	Hong Ri Da Technology Company Limited	UC119-0B1502R0	USB TYPE C 24 PIN Sunkplate double smt waterprof	EN IEC 62680-1-3	USB-IF Report no.: 25T04N000300-002-REC

Attachment 3: EUT PHOTOS

A.1 EUT - Whole view



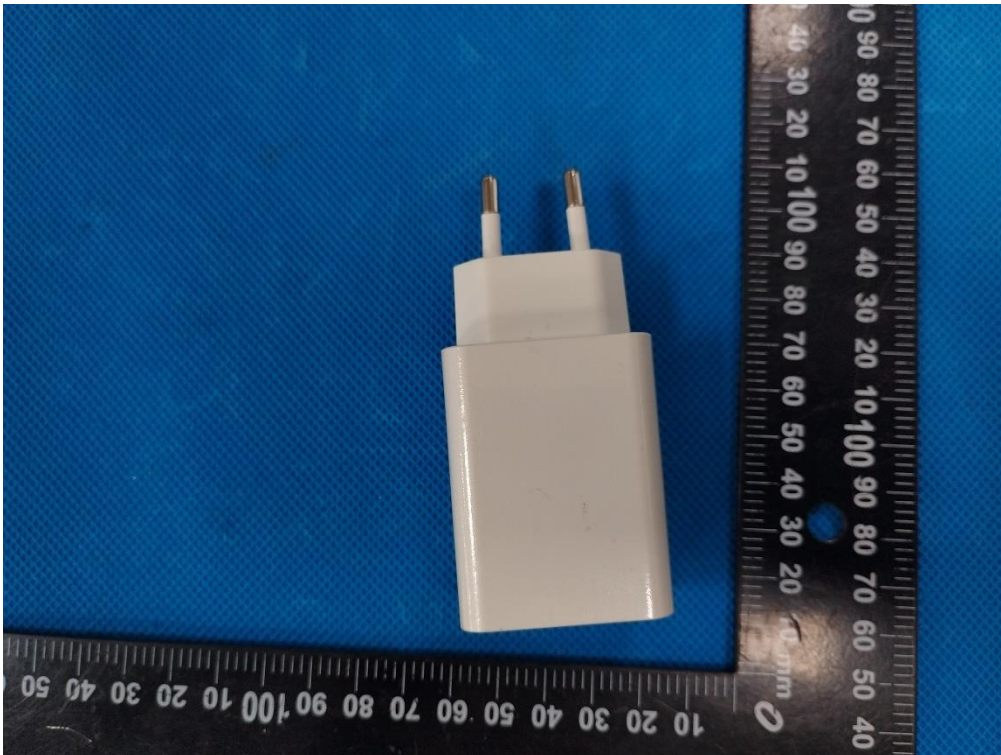
A.2 EUT - Whole view



A.3 EUT - Whole view



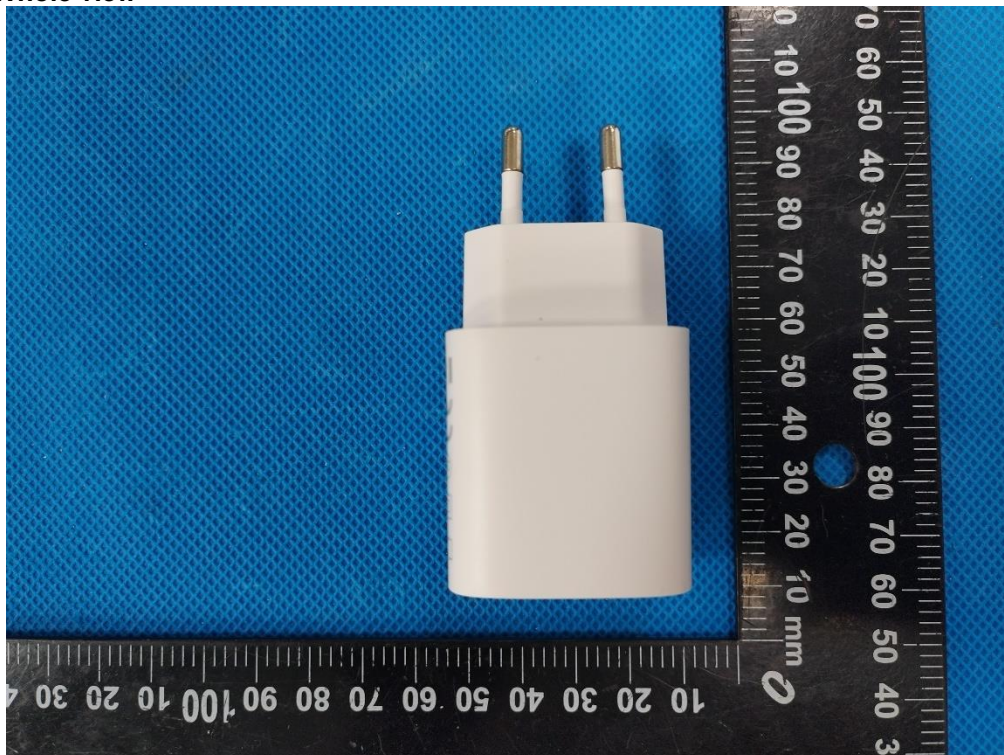
A.4 EUT - Whole view



A.5 EUT - Whole view



A.6 EUT - Whole view



A.7 EUT - Whole view



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