

Notified Body Statement of Opinion

No. THER1 11 09 65037 200

Certificate Holder: Huawei Technologies Co Ltd

Bantian
Huawei Industrial Base
Longgang
518129 Shenzhen
PEOPLE'S REPUBLIC OF CHINA

Product: Base station
Base Band Unit with GPS receiver
operating in 1.5 GHz band

Model(s): BBU3900

Technical data: TCF No. BBU3900

In accordance with Annex IV of European Union Council Directive 1999/5/EC on radio equipment and telecommunications terminal equipment, our opinion is that the equipment identified above and described in the Annex to this statement of opinion complies with the requirements of the above Directive as stated in article 3.1 (a) in respect of Health & Safety, article 3.1 (b) in respect of EMC and article 3.2 in respect of Radio Spectrum Use.

BABT File number: NC13956 i07



Date, 2011-09-29

(Vina Kerai)

British Approvals Board for Telecommunications (BABT) is appointed as a Notified Body, with the identification number 0168, in accordance with the Council Directive 1999/5/EC for radio equipment and telecommunications terminal equipment. The CE marking and the BABT 0168 identification number may be used on the equipment described above, subject to the equipment meeting the compliance requirements of all applicable EU directives. This statement of opinion remains the property of BABT and is not transferable.

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CERTIFICATE

Description of Equipment

CDMA / GSM / GU (GSM and UMTS) / WCDMA / WiMAX / LTE Base Band Unit incorporating a GPS receiver operating in the 1.5 GHz band

Model: BBU3900

Standards

EN 60950 -1: 2006 + A11: 2009
 EN 55022: 2006+A1:2007
 EN 55024: 1998 + A1:2001+ A2: 2003
 EN 301 489-01 V1.8.1: (2008-04)
 EN 301 489-19 V1.2.1: (2002-11)
 EN 50121-1:2006
 EN 50121-4: 2006
 ETS 300 487: 1996 + A1: 1997
 ETSI TS 136.113 V9.1.0 (2010-02)

Network Interface compatibility

Antenna	Satellite systems operating in the 1.5 GHz band and providing data communications
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Relevant Technical Documentation

Supplier's Declaration(s) of Conformity: R&TTE draft dated 2011-09-06

User Guide:

- bbu3900-user-guide-7.0.pdf, last modified 31/12/2009
- BBU3900 Hardware Description(V200_06).pdf, 18/12/2009
- NodeB Technical Description(V200_05).pdf, 16/12/2009
- BBU3900 Hardware Description.pdf, last modified 06/11/2009
- 31504474-DBS3900 WiMAX Quick Installation Guide(V300R002_04).pdf, last modified 03/09/2008
- BBU3900 Hardware Description(V100R003_02).pdf, 01/09/2010
- BBU3900 Hardware Description(V200_10).pdf, 03/09/2010

BBU3900 Hardware Description.pdf, modified 19/04/2010
 BBU3900 User Guide_for CDMA.pdf, modified 24/09/2008
 bbu3900 user guide_for GSM & UMTS.pdf, modified 27/09/2008
 BBU3900 User Guide_for GSM.pdf, last modified 10/14/2008
 BBU3900 User Guide_for LTE.pdf, last modified 24/03/2009
 bbu3900-user-guide_for WCDMA.pdf, last modified 24/09/2008
 BTS3900 Hardware Description(V400R006C08_09).pdf,
 last modified 25/06/2010
 DBS3900 WiMAX Commissioning Guide(V300R002_01).pdf,
 last modified 10/09/2008
 DBS3900 WiMAX Hardware Description(V300R002_02).pdf,
 last modified 25/08/2008
 DBS3900 WiMAX Hardware Description(V300R002C03_05).pdf,
 last modified, 09/06/2010
 DBS3900 WiMAX Product Description(V300R002_02).pdf,
 last modified 24/08/2008
 BBU3900 CDMA Manual.pdf, last modified 10/12/2008
 BBU3900 WCDMA.pdf, last modified 10/12/2008
 BBU3900 Wimax.pdf, last modified 10/12/2008
 BBU3900_for GSM.pdf, last modified 10/12/2008
 Compliance manual_for CDMA.pdf, last modified 20/04/2009
 Compliance manual_for GSM.pdf, last modified 20/04/2009
 Compliance Manual_for LTE.pdf, last modified 20/04/2009
 Compliance Manual_for WCDMA.pdf, last modified 20/04/2009
 Compliance Manual_for Wimax.pdf, last modified 20/04/2009
 6.1-mbbu-hardware-description.pdf 2011-06-17
 6.1-mbbu-hardware-maintenance-guide.pdf 2011-06-17
 BBU3900 WiMAX Hardware Description.pdf 2011-04-28
 bbu3900-user-guide-CDMA-EN.pdf 2011-06-14
 LTE-BBU3900 Hardware Description(V100R003C00_02)(PDF)-
 EN.pdf 2011-04-27
 TD-DNB6200 硬件描述.pdf 2011-06-16

Test report numbers:
 Radio: 68.850.8.054.01, 2010-11-20
 EMC: 68.760.8.119.07, 2011-09-15
 Safety: 68.210.0.014.04, 2011-09-23

Approved Software:
 BBU3900 CDMA: V400R007
 V400R008
 BBU3900 GSM: V300R008
 V301R008
 V100R009
 V200R013
 BBU3900 GU: V100R001
 V100R002
 BBU3900 WCDMA: V200R012
 V200R013
 BBU3900 WiMAX: V300R002

BBU3900 LTE: V300R003
V100R001
V100R002
V100R003
V100R004

Approved Hardware: Overall Build Level: BBU3900 CDMA: V400R007
V400R008
BBU3900 GSM: V300R008
V100R009
V200R013
BBU3900 GU: V100R001
V100R002
BBU3900 WCDMA: V200R012
V200R013
BBU3900 WiMAX: V300R002
V300R003
BBU3900 LTE: V100R001
V100R002
V100R003
V100R004

Circuit Diagrams: BBB1b SCH.pdf, last modified 23/03/2009
bcm5389cbb.pdf, last modified 14/07/2010
BRIC.pdf, last modified 15/05/2008
BSBC_VA.pdf, last modified 23/01/2008
cbuscbb_s.pdf, last modified 02/11/2010
CMPT.pdf, last modified 07/01/2010
dual5461.pdf, last modified 14/07/2010
GTMU.pdf, last modified 15/05/2010
HBB1.pdf, last modified 08/05/2008
HBCU.pdf, last modified 03/03/2009
HCAN_VB.pdf, last modified 31/01/2008
HCPM.pdf, last modified 05/01/2008
HECM.pdf, last modified 05/01/2008
LBPP.pdf, last modified 03/03/2009
LMPT.pdf, last modified 03/03/2009
m_c6484.pdf, last modified 14/07/2010
m_c6484a.pdf, last modified 14/07/2010
m_c6484b.pdf, last modified 14/07/2010
m_can.pdf, last modified 14/07/2010
m_clk.pdf, last modified 14/07/2010
m_ctrl.pdf, last modified 14/07/2010
m_dl.pdf, last modified 14/07/2010
m_ge.pdf, last modified 14/07/2010
m_if.pdf, last modified 14/07/2010
m_power.pdf, last modified 14/07/2010
m_rpio.pdf, last modified 14/07/2010
m_ul1.pdf, last modified 14/07/2010
m_ul2.pdf, last modified 14/07/2010
MPTC.pdf, last modified 03/06/2008

qcu3hcpm_vb.pdf, last modified 17/12/2009
 qcu4hecm.pdf, last modified 22/12/2009
 qwl1wbbpd.pdf, last modified 22/12/2009
 sd6105.pdf, last modified 14/07/2010
 sd6106a.pdf, last modified 14/07/2010
 sd6106b.pdf, last modified 14/07/2010
 sd6106c.pdf, last modified 14/07/2010
 sd6106d.pdf, last modified 14/07/2010
 UAEB.pdf, last modified 25/03/2009
 UAEC&UPEC.pdf, last modified 30/04/2008
 UAEC.pdf, last modified 30/04/2008
 UBFA.pdf, last modified 05/01/2008
 UBRI.pdf, last modified 23/09/2009
 UEEC.pdf, last modified 23/03/2009
 UEIC.pdf, last modified 27/12/2007
 UPEA.pdf, last modified 22/12/2007
 UPEB.pdf, last modified 15/01/2008
 UQEC.pdf, last modified 23/03/2009
 USCU.pdf, last modified 17/09/2009
 UTRP.pdf, last modified 23/03/2009
 UUAS.pdf, last modified 23/03/2009
 WBBPA.pdf, last modified 28/04/2008
 WBBPB.pdf, last modified 18/08/2008
 WBBPd.pdf, last modified 29/10/2009
 WD22LBBPb.pdf, last modified 16/12/2009
 WD22LBBPb_SCH.pdf, modified 31/12/2009
 WD22LBBPc.pdf, last modified 06/05/2010
 wd22ubfc.1.pdf, last modified 19/10/2010
 wd22ubfc.2.pdf, last modified 19/10/2010
 wd22ubfc.3.pdf, last modified 19/10/2010
 wd22ubfc.4.pdf, last modified 19/10/2010
 WD22UPEE.1.pdf, last modified 19/10/2010
 WD22UPEE.2.pdf, last modified 19/10/2010
 WD22UPEE.3.pdf, last modified 19/10/2010
 WD22UPEE.4.pdf, last modified 19/10/2010
 WD22UPEE.5.pdf, last modified 19/10/2010
 WD22UPEE.6.pdf, last modified 19/10/2010
 WD22UTRPb_SCH.pdf, modified 21/12/2009
 WMPT.pdf, last modified 28/04/2009
 CDMA-qcu4hcpma1_PDM_VB.pdf 2011-03-22
 GU double mode-wd22mptfb Schematic.pdf
 last modified 2011-06-14
 GU double mode-wd22mptg Schematic.pdf,
 last modified 2011-06-14
 GU double mode-wd22uciu Schematic.pdf,
 last modified 2011-06-14
 GU double mode-WD22UFLPB_SCH.pdf,
 last modified 2011-06-15
 LTE-LT11UTRPb4.pdf 2011-06-09
 LTE-WD2E1FANC.pdf 2011-06-09
 LTE-WD22LBBPB.pdf 2011-06-09

LTE-WD22LBBPC.pdf 2011-06-09
 LTE-WD22LMPT1.pdf 2011-06-09
 LTE-WD22UPEE.pdf 2011-06-09
 LTE-WD22USCUB11.pdf 2011-06-09
 LTE-WD22USCUB21.pdf 2011-06-09
 TD-td11ubbbpc.pdf 2011-06-14
 WIMAX-wd11mptc3.pdf 2011-06-15
 WIMAX-WD22LBBPC.pdf 2011-06-15
 UEIB(UPEA).pdf 2011-06-29
 UEIB(UPEE).pdf 2011-06-29
 UEIC.pdf 2011-06-29
 UELP_SCH.pdf 2011-06-29
 UFLP_SCH.pdf 2011-06-29
 CBUSCBB.pdf 2011-06-29
 UEOC.pdf 2011-06-29
 UTRP.pdf 2011-06-29
 CBUSCBB.pdf 2011-06-29
 UAEC.pdf 2011-06-29
 UTRP.pdf 2011-06-29
 CBUSCBB.pdf 2011-06-29
 UIEC(UAEC).pdf 2011-06-29
 UTRP.pdf 2011-06-29
 CBUSCBB.pdf 2011-06-29
 UTRP.pdf 2011-06-29
 clock.pdf 2011-06-29
 connector.pdf 2011-06-29
 cpld.pdf 2011-06-29
 fpga.pdf 2011-06-29
 pm5352.pdf 2011-06-29
 power.pdf 2011-06-29
 wd22uuas.pdf 2011-06-29
 CBUSCBB.pdf 2011-06-29
 UQEC.pdf 2011-06-29
 UTRP.pdf 2011-06-29

PCB Layout:

GTMU_Bot.pdf, last modified 16/09/2009
 GTMU_top.pdf, last modified 16/09/2009
 UBRI_Bot.pdf, last modified 16/09/2009
 UBRI_Top.pdf, last modified 16/09/2009
 USCU_BOT.pdf, last modified 17/09/2009
 USCU_TOP.pdf, last modified 17/09/2009
 BBBIb_PCB_Bottom: modified 23/03/2009
 BBBIb_PCB_TOP: modified 23/03/2009
 BRIC: modified 25/04/2008
 BSBC_VA: modified 24/01/2008
 CMPT: modified 07/01/2008
 GTMU: modified 25/04/2008
 HBBI BOTTOM: modified 03/06/2008
 HBBI TOP: modified 03/06/2008
 HBCU_B: modified 02/03/2009
 HBCU_T: modified 02/03/2009
 HCAN: modified 23/12/2007

HCPM BOTTOM: modified 16/01/2008
 HCPM TOP: modified 16/01/2008
 HECM BOTTOM: modified 16/01/2008
 HECM TOP: modified 16/01/2008
 LBBP_B: modified 02/03/2009
 LBBP_T: modified 02/03/2009
 LMPT: modified 07/01/2008
 MPTA_VC: modified 07/01/2008
 MPTC: modified 07/01/2008
 UAEB: modified 24/03/2009
 UAEC: modified 04/05/2008
 UBFA BOTTOM: modified 15/01/2008
 UBFA TOP: modified 15/01/2008
 UEEC: modified 04/05/2008
 UEIC: modified 24/12/2007
 UEQC: modified 24/03/2009
 UPEA: modified 24/12/2007
 UPEB: modified 15/01/2008
 USCU: modified 16/01/2008
 UTRP: modified 04/05/2008
 UUAS: modified 24/03/2009
 WBBPA_ADB: modified 17/04/2008
 WBBPA_ADT: modified 17/04/2008
 WBBPB_ADB: modified 18/08/2008
 WBBPB_ADT: modified 18/08/2008
 QCU3HCPM_bottom.pdf, 17/12/2009
 QCU3HCPM_top.pdf, modified 17/12/2009
 QCU4HECM_bottom.pdf, 17/12/2009
 QCU4HECM_top.pdf, modified 17/12/2009
 WBBPd_bot.pdf, last modified 29/10/2009
 WBBPd_top.pdf, last modified 29/10/2009
 WD22LBBPb_BOT.pdf: modified 21/12/2009
 WD22LBBPb_TOP.pdf: modified 21/12/2009
 WD22UTRPb_BOT.pdf: modified 21/12/2009
 WD22UTRPb_TOP.pdf: modified 21/12/2009
 QWL1WBBPd Bottom.pdf, 20/07/2010
 QWL1WBBPd Top.pdf, modified 20/07/2010
 UBFC BOTTOM.pdf, modified 19/10/2010
 UBFC TOP.pdf, last modified 19/10/2010
 UPEE BOTTOM.pdf, modified 19/10/2010
 UPEE TOP.pdf, last modified 19/10/2010
 CDMA-QCU4HCPM PCB PHOTO.pdf 2011-06-14
 GU double mode-MPTFB PCB.pdf 2011-06-14
 GU double mode-WD22MPTG VER.B PCB
 VIEW.pdf 2011-06-14
 GU double mode-WD22MPTG VER.C PCB
 VIEW.pdf 2011-06-14
 GU double mode-WD22UFLPB_PCB.pdf
 last modified 2011-06-15
 LTE-LT11UTRPb4.pdf 2011-06-09
 LTE-WD2E1FANC.pdf 2011-06-09

LTE-WD2MUPEUC.pdf 2011-06-09
 LTE-WD22LBBPB.pdf 2011-06-09
 LTE-WD22LBBPC.pdf 2011-06-09
 LTE-WD22LMPT1.pdf 2011-06-09
 LTE-WD22USCUB11.pdf 2011-06-09
 LTE-WD22USCUB21.pdf 2011-06-09
 TD-UBBPC pcb.pdf 2011-07-12
 WL double mode-LBBPc -LTE-
 WD22LBBPC.pdf.docx 2011-06-16
 WLGU-LMPTC.pdf 2011-07-12
 UEIU_PCB.docx 2011-06-29
 UEIU_PCB.pdf 2011-06-29
 UELP_PCB.docx 2011-06-29
 UELP_PCB.pdf 2011-06-29
 UFLP_PCB.docx 2011-06-29
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 UTRP2_PCB.docx 2011-06-29
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 UTRP9_PCB.pdf 2011-06-29
 Parts List: BBU3900 BOM List.pdf, 22/07/2010
 BBU3900 CDMA BOM LIST.pdf, 23/07/2008
 BBU3900 GSM BOM List.pdf, 06/01/2009
 BBU3900 GU List.pdf, modified 06/01/2009
 BBU3900 WCDMA BOM.pdf, 18/08/2008
 BBU3900 Wimax BOM Description.pdf,
 last modified 06/01/2009
 BBU3900 partlist.pdf, 22/07/2011

Additional Information:

Compliance with the R&TTE directive will depend upon installation conditions and how the equipment exists in its final form. This responsibility resides with the system installer.

Signed: 

Date: 2011-09-29

on behalf of BABT