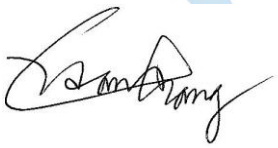
Notified Body
EU Type Examination Certificate

Manufacturer company name:	TP-Link Technologies Co., Ltd.
Manufacturer address:	Building 24 (floors 1,3,4,5) and 28 (floors1-4), Central Science and Technology Park, Nanshan Shenzhen, China
Description of the radio equipment:	AC750 Wireless Dual Band 4G LTE Router
Trade name/brand name:	tp-link
Model/type indication:	Archer MR200
Software version:	1.6.0 0.9.1
Hardware version:	V4.0
Frequency bands of operation:	880 MHz to 915 MHz 1710 MHz to 1785 MHz 1920 MHz to 1980 MHz 2300 MHz to 2400 MHz 2500 MHz to 2570 MHz 2570 MHz to 2620 MHz 2412 MHz to 2472 MHz 5180 MHz to 5240 MHz
TD reference:	Archer MR200
ACB project number:	ATCB023516
Certificate number:	ATCB023516, issue 1

ACB, Inc. is designated as a Notified Body under the
U.S.-EU Mutual Recognition Agreement for Radio Equipment Directive 2014/53/EU

ACB, Inc.
Notified Body Number 1588
6731 Whittier Avenue, Suite C110
McLean, VA 22101, USA

In the opinion of ACB, Inc., the examination of the technical documentation as drawn up by the manufacturer demonstrates that the essential requirements of Article 3.1a, Article 3.1b and Article 3.2, of Radio Equipment Directive 2014/53/EU have been met. The conformity assessment on the radio equipment listed above and as described in Annex 1 to this EU-type examination certificate has been carried out in accordance with Annex III, Module B, of Radio Equipment Directive 2014/53/EU. This EU-type examination certificate relates only to the documents as provided to ACB, Inc. A list of documentation forming the basis for the EU-type examination is provided in Annex 2 to this EU-type examination certificate.



Notified Body: Hans Chang

15 January 2019
Date

CE

The radio equipment as described and documented in the technical documentation as drawn up by the manufacturer is a Wireless Dual Band 4G LTE Router.

It supports UMTS technology in the 900 MHz Band VIII and 2100 MHz Band I.
It supports LTE FDD technology in the 800 MHz Band 20, 900 MHz Band 8, 1800 MHz Band 3, 2100 MHz Band 1 and 2600 MHz Band 7.
It supports LTE TDD technology in the 2300 MHz Band 40 and 2600 MHz Band 38.

It supports IEEE 802.11bgn (HT20 & HT40) Wireless LAN technology 2T2Rin the 2.4 GHz band.
It supports IEEE 802.11a/n/ac (HT20, HT40, VHT20, VHT40 & VHT80) Wireless LAN technology 1T1R in the 5 GHz bands.

Details of operation:

Description of service:	UMTS 2100 MHz Band I
Transmit frequency:	1920 MHz to 1980 MHz
Receive frequency:	2110 MHz to 2170 MHz
Modulation:	QPSK, 16QAM(DL), 64 QAM(DL)
Power class	Class 3
Transmit power:	22.9 dBm, conducted

Description of service:	UMTS 900 MHz Band VIII
Transmit frequency:	880 MHz to 915 MHz
Receive frequency:	925 MHz to 960 MHz
Modulation:	QPSK, 16QAM(DL), 64 QAM(DL)
Power class	Class 3
Transmit power:	22.9 dBm, conducted

Description of service:	E-UTRA LTE Band 1
Transmit frequency:	1920 MHz to 1980 MHz
Receive frequency:	2110 MHz to 2170 MHz
Modulation:	QPSK, 16QAM, 64QAM (DL)
Power class:	Class 3
Transmit power:	22.9 dBm, conducted

Description of service:	E-UTRA LTE Band 3
Transmit frequency:	1710 MHz to 1785 MHz
Receive frequency:	1805 MHz to 1880 MHz
Modulation:	QPSK, 16QAM, 64QAM (DL)
Power class:	Class 3
Transmit power:	22.9 dBm, conducted

Description of service:	E-UTRA LTE Band 7
Transmit frequency:	2500 MHz to 2570 MHz
Receive frequency:	2620 MHz to 2690 MHz
Modulation:	QPSK, 16QAM, 64QAM (DL)
Power class:	Class 3
Transmit power:	23.1 dBm, conducted

Description of service:	E-UTRA LTE Band 8
Transmit frequency:	880 MHz to 915 MHz
Receive frequency:	925 MHz to 960 MHz
Modulation:	QPSK, 16QAM, 64QAM (DL)
Power class:	Class 3
Transmit power:	23.4 dBm, conducted

Description of service:	E-UTRA LTE Band 20
Transmit frequency:	832 MHz to 862 MHz
Receive frequency:	791 MHz to 821 MHz
Modulation:	QPSK, 16QAM, 64QAM (DL)
Power class:	Class 3
Transmit power:	23.1 dBm, conducted

Description of service:	E-UTRA LTE TDD Band 38
Transmit frequency:	2570 MHz to 2620 MHz
Receive frequency:	2570 MHz to 2620 MHz
Modulation:	QPSK, 16QAM, 64QAM (DL)
Power class:	Class 3
Transmit power:	22.9 dBm, conducted

Description of service:	E-UTRA LTE TDD Band 40
Transmit frequency:	2300 MHz to 2400 MHz
Receive frequency:	2300 MHz to 2400 MHz
Modulation:	QPSK, 16QAM, 64QAM (DL)
Power class:	Class 3
Transmit power:	23.0 dBm, conducted

Description of service:	IEEE 802.11bgn WLAN
Transmit frequency:	2412 MHz to 2472 MHz, 2422 MHz to 2462 MHz (HT40)
Receive frequency:	2412 MHz to 2472 MHz, 2422 MHz to 2462 MHz (HT40)
Modulation:	DSSS, OFDM
Transmit power:	19.85 dBm, e.i.r.p.

Description of service:	IEEE 802.11a/n/ac WLAN
Transmit frequency:	5180 MHz to 5240 MHz, 5190 MHz to 5230 MHz (HT40, VHT40) 5210 MHz to 5210 MHz (VHT80)
Receive frequency:	5180 MHz to 5240 MHz, 5190 MHz to 5230 MHz (HT40, VHT40) 5210 MHz to 5210 MHz (VHT80)
Modulation:	OFDM
Transmit power:	22.93 dBm, e.i.r.p.

Annex 2 to EU-type examination certificate for Radio Equipment Directive 2014/53/EU
Date of issue: 15 January 2019 TD reference: Archer MR200
ACB project number/certificate number: ATCB023516, issue 1

1 Test report:

	Report number:	Dated:
EMC	1810CE17-02	11 January 2019
EMC	1810CE18	23 November 2018
EMC	1812CE14	11 December 2018
Radio	1811CR24	21 December 2018
Radio	1811CR33	17 December 2018
Radio	1810CR15	21 December 2018
Radio	1810CR16-02	11 January 2019
RF safety	1812CS11	17 December 2018
Product safety	1811CF18	12 December 2018
Product safety	50054946 003	21 April 2017
Product safety	E342511-A57-CB-1	10 October 2017

2 Technical documentation provided:

Block diagram	Circuit diagram/schematics	External photographs
Internal photographs	Label drawing/location	Packaging example
Parts list/bill of materials	PCB layout diagrams	Operational description
Test reports	Test setup photographs	User manual
Risk assessment	EU declaration of conformity	

3 Standards used to demonstrate conformity with the essential requirements of Radio Equipment Directive 2014/53/EU:

Radio spectrum (Article 3.2):	EN 301 908-1 V11.1.1	EN 301 908-2 V11.1.2
	EN 301 908-13 V11.1.2	
	EN 300 328 V2.1.1	EN 301 893 V2.1.1
EMC (Article 3.1b):	EN 301 489-1 V2.2.0	EN 301 489-17 V3.2.0
	EN 301 489-52 V1.1.0	
	EN 55032: 2015 + AC: 2016	EN 55024: 2010 + A1: 2015
RF safety (Article 3.1a):	EN 50385: 2017	
Product safety (Article 3.1a):	EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + A2: 2013	

4 Additional information:

This is a Class 2 device.

Radio Equipment Directive 2014/53/EU, Article 10.4: Manufacturers shall keep the technical documentation and the EU declaration of conformity for 10 years after the radio equipment has been placed on the market.

Radio Equipment Directive 2014/53/EU, Article 10.6: Manufacturers shall ensure that radio equipment which they have placed on the market bears a type, batch or serial number or other element allowing its identification, or, where the size or nature of the radio equipment does not allow it, that the required information is provided on the packaging, or in a document accompanying the radio equipment.

Radio Equipment Directive 2014/53/EU, Article 10.7: Manufacturers shall indicate on the radio equipment their name, registered trade name or registered trade mark and the postal address at which they can be contacted or, where the size or nature of radio equipment does not allow it, on its packaging, or in a document accompanying the radio equipment. The address shall indicate a single point at which the manufacturer can be contacted. The contact details shall be in a language easily understood by end-users and market surveillance authorities.

Radio Equipment Directive 2014/53/EU, Article 10.8: Manufacturers shall ensure that the radio equipment is accompanied by instructions and safety information in a language which can be easily understood by consumers and other end-users, as determined by the Member State concerned. Instructions shall include the information required to use radio equipment in accordance with its intended use. Such information shall include, where applicable, a description of accessories and components, including software, which allow the radio equipment to operate as intended. Such instructions and safety information, as well as any labelling, shall be clear, understandable and intelligible.

The following information shall also be included in the case of radio equipment intentionally emitting radio waves:
(a) frequency band(s) in which the radio equipment operates;
(b) maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates.

Radio Equipment Directive 2014/53/EU, Article 10.9: Manufacturers shall ensure that each item of radio equipment is accompanied by a copy of the EU declaration of conformity or by a simplified EU declaration of conformity. Where a simplified EU declaration of conformity is provided, it shall contain the exact internet address where the full text of the EU declaration of conformity can be obtained.

Radio Equipment Directive 2014/53/EU, Article 10.10: In cases of restrictions on putting into service or of requirements for authorization of use, information available on the packaging shall allow the identification of the Member States or the geographical area within a Member State where restrictions on putting into service or requirements for authorization of use exist. Such information shall be completed in the instructions accompanying the radio equipment.

Radio Equipment Directive 2014/53/EU, Article 19.2: On account of the nature of radio equipment, the height of the CE marking affixed to radio equipment may be lower than 5 mm, provided that it remains visible and legible.

Radio Equipment Directive 2014/53/EU, Article 20.1: The CE marking shall be affixed visibly, legibly and indelibly to the radio equipment or to its data plate, unless that is not possible or not warranted on account of the nature of radio equipment. The CE marking shall also be affixed visibly and legibly to the packaging.

Radio Equipment Directive 2014/53/EU, Annex III, Module B.7: The manufacturer shall inform the notified body that holds the technical documentation relating to the EU-type examination certificate of all modifications to the approved type that may affect the conformity of the radio equipment with the essential requirements of this Directive or the conditions for validity of that certificate. Such modifications shall require additional approval in the form of an addition to the original EU-type examination certificate.

This review includes draft standards, deviations from the standards and technical justification for compliance.

In accordance with Notified Body guidance; if there are no changes, a Notified Body EU type examination certificate has a validity of 10 years from the date of issue.

5 Contact information:

For contact with ACB or questions regarding this EU-type examination certificate:
Web: www.acbcert.com http://acbcert.com/contact Tel.: (+1) 703 847 4700