

Notified Body Statement of Opinion

The TCF listed below has been evaluated to the requirements of the
European R&TTE Directive 1999/5/EC

Applicant name: TP-LINK TECHNOLOGIES CO., LTD.
EUT: 300Mbps Wireless N 4G LTE Router
Model: TL-MR6400
Frequency bands: 832 MHz to 862 MHz
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; 2422 MHz to 2462 MHz

TCF Number: NB_571484
ACB Project Number: ATCB018336

ACB is designated as a Notified Body under the
U.S.-EU Mutual Recognition Agreement

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

In the opinion of ACB the examination of the technical construction file presented demonstrates the requirements of Directive 1999/5/EC have been met. The product listed above and in Annex 1 of this document, is in conformity with Annex IV and the essential requirements of Articles 3.1a, 3.1b and 3.2 of Directive 1999/5/EC. This statement of opinion relates only to the documents provided to ACB. A list of documentation forming the basis for the examination is provided in Annex 2 of this document.



Notified Body: Kerwin Chen

26 January 2016
Date



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Annex 1 of NB Statement of Opinion
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The device under evaluation was a Wireless Router.
It used GSM technology with GPRS and EGPRS/EDGE in the E-GSM 900 MHz and GSM 1800 MHz bands.
It used UMTS technology in the 900 MHz Band VIII and 2100 MHz Band I.
It used E-UTRA 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 used E-UTRA TDD technology in the 2600 MHz Band 38 and 2300 MHz Band 40.
It used IEEE 802.11bgn (HT20 and HT40, 2T2R MIMO) Wireless LAN technology in the 2.4 GHz band.

This device also contains non-European bands which are not part of this evaluation.
This device was only evaluated over the bands available for use in Europe, detailed below.

Details of operation:

Description of service:	GSM 900 MHz
Transmit Frequency:	880 MHz to 915 MHz
Receive Frequency:	925 MHz to 960 MHz
Modulation type:	GMSK, 8PSK
Power Class	Class 4
Transmit power:	32.78 dBm (GMSK); 26.47 dBm (8PSK), conducted

Description of service:	GSM 1800 MHz
Transmit Frequency:	1710 MHz to 1785 MHz
Receive Frequency:	1805 MHz to 1880 MHz
Modulation type:	GMSK, 8PSK
Power Class	Class 1
Transmit power:	29.72 dBm (GMSK); 25.6 dBm (8PSK), conducted

Description of service:	UMTS 900 MHz Band VIII
Transmit Frequency:	880 MHz to 915 MHz
Receive Frequency:	925 MHz to 960 MHz
Modulation type:	QPSK, 16QAM (DL), 64QAM (DL)
Power Class	Class 3
Transmit power:	21.97 dBm, conducted



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Description of service: UMTS 2100 MHz Band I
Transmit Frequency: 1920 MHz to 1980 MHz
Receive Frequency: 2110 MHz to 2170 MHz
Modulation type: QPSK, 16QAM (DL), 64QAM (DL)
Power Class: Class 3
Transmit power: 22.7 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: 22.25 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: 21.85 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: 22.75 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: 21.66 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: 21.98 dBm, conducted



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Description of service: E-UTRA LTE 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: 22.24 dBm, conducted

Description of service: E-UTRA LTE 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: 21.17 dBm, conducted

Description of service: 2.4 GHz WLAN (IEEE 802.11b/g/n, 2T2R MIMO)
Transmit Frequency: 2412 MHz to 2472 MHz; 2422 MHz to 2462 MHz
Receive Frequency: 2412 MHz to 2472 MHz; 2422 MHz to 2462 MHz
Modulation type: DSSS, OFDM
Transmit power: 17.1 dBm, e.i.r.p.



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Annex 2 of NB Statement of Opinion
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1	Test Report:	Report number:	Dated:
	EMC	EW571484	19 November 2015
	EMC	EC571484	19 November 2015
	Radio (RSE)	EG571484	19 November 2015
	Radio (RSE)	EM571484	19 November 2015
	Radio	EZ571465	25 November 2015
	Radio (WLAN)	ER571484A	22 October 2015
	RF Safety	EA571484	18 November 2015
	Electrical Safety	L571472L239	12 November 2015

2	Technical Documentation provided:		
	Block Diagram	Schematic/Circuit Diagram	PCB layout
	Parts List / Bill of Material	External Photographs	Internal Photographs
	Label Drawing	Technical/Operational Description	Test Reports
	Test Photographs	User Manual	Declaration of Conformity

3	Standards used to show conformity to 1999/5/EC:	
	Radio Spectrum:	EN 300 328 V1.9.1 EN 301 511 V9.0.2 EN 301 908-2 V6.2.1
	EMC:	EN 301 489-1 V1.9.2 EN 301 489-17 V2.2.1 EN 55022: 2010 + AC: 2011
	RF Safety:	EN 50385: 2002
	Product Safety:	EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + A2: 2013

4. Other Relevant Essential Requirements
- Art 6.3 Information to user provided: Yes
- Art 6.4 Alert Symbol required: No
- Art 12 CE Marking appropriate: Yes

5. Further information:
- This is a Class 1 device, if the device satisfactorily meets the requirements of EU sub-class 9.
- Operation of the GSM, UMTS and LTE is permitted under the control of a licensed network.
- The appropriate conformity information, CE Mark and Notified Body number (1588) must be clearly displayed on the equipment label, the user's manual and the packaging.
- A statement of compliance with Directive 1999/5/EC or a copy of the Declaration of Conformity must be provided with each device.
- This Notified Body Statement of Opinion is only valid for those devices where the selection of the region of operation has been preset to the EU region and where the region selection cannot be accessed/changed by the user of the device. It is prohibited to affix the Notified Body number 1588 to devices which do not comply with this requirement.

6. Contact information:
- For contact with ACB or questions regarding this Statement of Opinion:
- Web: www.acbcert.com; e-mail: customerservice@acbcert.com; Tel.: (+1) 703 847 4700



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