

Notified Body
TÜV Rheinland
LGA Products GmbH

Tillystraße 2
90431 Nürnberg

notified by the

Bundesnetzagentur für Elektrizität, Gas,
Telekommunikation, Post und Eisenbahnen

under No. 0197

herewith issues an

EU-Type Examination Certificate

within the meaning of Annex III Module B of the 2014/53/EU Radio Equipment Directive (RED)
for compliance with the essential requirements of this directive

Registration Number: RT 60128966 0001

Evaluation Report Nr.: 17011912 002

Manufacturer: Intel Mobile Communications SAS
425 Rue de Goa - Le Cargo B6 - B7
06600 Antibes
France

Product: Radio Equipment
Tri Band Wireless WLAN adapter including Dual Mode BT

Type
Identification: 17265NGW

Essential
requirements: 2014/53/EU (RED)
Article 3.1a Health
Article 3.1a Electrical Safety
Article 3.1b EMC
Article 3.2 Radio spectrum

The technical design of the assessed type has been verified based on the technical documentation presented by the manufacturer according to Annex III Module B of the Directive. As far as the essential requirements indicated, the Notified Body of TÜV Rheinland LGA Products GmbH confirms, that the technical design of the apparatus meets the essential requirements of the Directive 2014/53/EU Article 3.

This certificate consists of this page and Annex I.

Validity of the certificate is specified in the Annex I.

Date 23.04.2018

Notified Body


O. Schäfer

Equipment

Product	:	Wireless Adapter
Trademark	:	Intel® Tri Band Wireless-AC 17265
Identification	:	17265NGW
Product description	:	Wireless Wigi/Wi-Fi/BT Adapter
System description		
Frequency band(s) of operation	:	2.4 GHz, 5 GHz and 60 GHz bands
Operating frequency	:	2400 – 2485 MHz 5150 – 5250 MHz, 5250 – 5350 MHz, 5470 – 5725 MHz 57-64 GHz
Channel spacing / bandwidth	:	2,4 GHz: 802.11b/g/n: 5 MHz / BT: 1 MHz Bandwidth: 20MHz / 40 MHz 5 Ghz: 802.11 a/n:: 20/40/80/MHz 60GHz: spacing 2.16GHz / bandwidth 2.5GHz
RF output power (EIRP)	:	20 dBm max. (2400 – 2485 MHz) IEEE802.11 b/g/n 10 dBm max. (2400 – 2485 MHz) Bluetooth/BLE 23 dBm max. (5150 – 5725 MHz) IEEE802.11 a/n/ac 25 dBm max. (57-64GHz) IEEE 802.11ad
Type of modulation	:	2.4GHz: DSSS/OFDM/FHSS 5 GHz and 60 GHz: OFDM
Type of antenna	:	Referenced antenna is PIFA type for WiFi/BT Referenced antenna is Intel Wireless Gigabit Antenna – M10041R
Mode of operation (simplex / duplex)	:	Duplex (Tx/Rx)
Duty cycle (access protocol, if applicable)	:	n.a.
Version of firmware/software used	:	Software Intel® PROSet/Wireless WiFi Software 20.x and following versions for WiFi/BT Software Intel® Wireless Dock Manager 3.x

Technical Documentation

The following identified Technical Documentation has been reviewed and has been used to determine if the design of the mentioned radio equipment meets the essential requirements:

Technical File Identification	RED_TD_17265NGW
Version	Version 1, Second Issue
Issue date:	20-04-2017
Other supporting evidence	Not applicable

The following information is available in the technical Documentation:

User information and installation instructions	<input checked="" type="checkbox"/>
Block diagram	<input checked="" type="checkbox"/>
Circuit diagram	<input checked="" type="checkbox"/>
Part list	<input checked="" type="checkbox"/>
PCB layout	<input checked="" type="checkbox"/>
Photo documentation	<input checked="" type="checkbox"/>
Versions of firmware/software used	<input checked="" type="checkbox"/>
Statement of compliance with art. 10.2 it can be operated in at least one Member State without infringing applicable requirements on the use of radio spectrum.	<input checked="" type="checkbox"/>
The technical Documentation included an analysis and assessment of the risk(s) as required by Annex III, Module B clause 3 (c).	<input checked="" type="checkbox"/>



Conformity Assessment

Applied harmonised standards (Referred to the publication of harmonised standards in the official Journal of the EU at the time of issuance)			
Article	Standard	Test Report No.	Issued by
3.1a Health			
3.1a Safety			
3.1b EMC			
3.2 Radio	EN 300 328 V2.1.1 (WLAN +BT) EN 301 893 V2.1.1 (Rx blocking) EN 302 567 V1.2.1	170209-01.TR11 170209-01.TR11 180219-01.TR10 14050902.r08.r1	Intel Mobile Communications SA Intel Mobile Communications SA Intel Mobile Communications SA TÜV Rheinland Nederland B.V
3.3 Others			
Applied non-harmonised standards			
Article	Standard	Test Report No.	Issued by
3.1a Health	EN 50566:2013 EN 62209-2:2010	14050902.s01	TÜV Rheinland Nederland B.V
3.1a Safety	EN 62368-1:2014	Report No. 324817	Nemko USA Inc.
3.1b EMC	EN 301 489-1 V2.2.0 (draft) EN 301 489-17 V3.2.0 (draft)	17011807-12.e01	TÜV Rheinland Nederland B.V
3.2 Radio	EN 302 567 V2.0.22 (extra Rx tests +adaptivity)	170209-01.TR12	Intel Mobile Communications SA
3.3 Others			
Other solutions, adopted to meet the essential requirements			
Article	Standard	Test Report No.	Issued by
3.1a Health	Council Recommendation 1999/519/EC (Exposure on 60GHz compliance at 1.4 mm and above)	Dec. 2014 rev01	Intel Mobile Communications SA
3.1a Safety			
3.1b EMC			
3.2 Radio			
3.3 Others			

Rationale for applied non-harmonised standards or other solutions:

- Due to the absence of harmonized standards for safety, health and EMC the latest ETSI EN and CENELEC standards have been used. The differences between R&TTE versions and candidate versions under the RED have been re-assessed and additional measurements have been reviewed. Selections of actions and standards to cover all the essential requirements are also based on the Risk assessment of the Manufacturer..

Remarks:

- This Type Examination Certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.
- This Type Examination Certificate only relates to the assessment of technical documentation to verify that the technical design of radio equipment meets the essential requirements of the RED 2014/53/EU and will not show compliance with essential requirements of other possible applicable EU Directives.
- The manufacturer has declared in compliance with art. 10.2 that the Radio Equipment can be operated in at least one Member State without infringing applicable requirements on the use of radio spectrum.
- Validity of this Type Examination Certificate is limited to the versions of the applied standard. If versions of standards change or modifications are made to the product, this Certificate will be invalidated.

