



DEKRA Testing and Certification, S.A.U.

Product certification body accredited by ENAC with accreditation No. 134/C-PR301
and designated by the competent national authority of Spain

to act as Notified Body (Notified Body No: 1909) in accordance with the Directive 2014/53/EU of 16 April 2014

Directive 2014/53/EU – EU-TYPE EXAMINATION CERTIFICATE

Identification Number: **62290RNB.004**
Issue date: **2019-09-12**

MANUFACTURER DETAILS:

Company name: **Sierra Wireless Inc.**
Address: **13811 Wireless Way Richmond
BC V6V 3A4
Canada**

EQUIPMENT DETAILS:

Type of equipment: **Embedded module**
Brand name: **AirPrime**
Model name: **HL7800**
HW version: **1.0**
SW version: **BHL78xx.3.4.1.0**

SCOPE OF OPINION:

Essential requirements	Specifications / Standards	Submitted documents
Article 3.2: Radio spectrum use	EN 301 908-1 V11.1.1 Draft EN 301 908-13 V13.0.1	Test reports

OPINION:

Our opinion in accordance with Annex III of DIRECTIVE 2014/53/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 April 2014 on radio equipment and the mutual recognition of their conformity is that the equipment complies with the requirements of that directive stated in the above scope.

This opinion has 1 annex with 1 page and it is only valid in conjunction with it.

Signed on behalf of DEKRA Testing and Certification, S.A.U. in Málaga (Spain)

Name: **Ricardo Orejas**
Position: **Responsible for Certification**



Annex I to EU-Type Examination Certificate No. 62290RNB.004

TECHNICAL DOCUMENTATION:

Held at: **Sierra Wireless Inc.**
Address: **13811 Wireless Way Richmond, BC V6V 3A4, Canada**

TECHNICAL FEATURES AND CHARACTERISTICS:

Operating modes: **LTE CAT-M1
LTE CAT-NB1**

Operating frequency bands: **LTE CAT-M1: FDD1, FDD 3, FDD 8, FDD 20, FDD 28
LTE CAT-NB1: FDD1, FDD 3, FDD 8, FDD 20**

Modulations: **LTE CAT-M1: QPSK, 16QAM
LTE CAT-NB1: $\pi/2$ BPSK, $\pi/4$ QPSK**

Data rates (maximum): **Uplink: 375 kbps
Downlink: 300 kbps**

Output power: **23 ± 1 dBm**

Antenna: **External antenna. Impedance: 50 ohm**

Operating voltage: **3.2 VDC to 4.35 VDC (Nominal: 3.7 VDC)**

Operating temperature: **-10 °C to 55 °C**

Intended use: **Module embedded in end devices to provide Cellular Wireless connectivity**

CONFORMITY DETAILS:

Essential requirements	Specifications / Standards	Reference documents
Article 3.2: Radio spectrum use	EN 301 908-1 V11.1.1 Draft EN 301 908-13 V13.0.1	RE181126C15 GC180302C09-01 GC180302C09-1-03

REMARKS AND COMMENTS:

Devices tested in standalone configuration with reference antennas as described in the technical documentation. The use of different antennas may affect the compliance; if the manufacturer is in doubt about the compliance then the equipment with the new antennas must be assessed to demonstrate compliance with the essential requirements of the Directive 2014/53/EU. It should be noted that assessment does not necessarily lead to testing.

Host devices, integrating these modules, shall be assessed to demonstrate compliance with the essential requirements of the Directive 2014/53/EU following the guidelines provided in the document "REDCA Technical Guidance Note 01 on the RED compliance requirements for a Radio Equipment often referred to as Radio Module and the Final Radio Equipment Product that integrates a Radio Module".

It is mandatory to inform DEKRA Testing and Certification, S.A.U. in writing about any change in the approved equipment identified in this certificate, which could affect the conformity of the apparatus with the essential requirements or the conditions of validity of this certificate.