

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: u-blox
EUT: GSM/UMTS/HSPA Data Module
Model: LISA-U200
Frequency bands: 880 MHz to 915 MHz
1710 MHz to 1785 MHz
1920 MHz to 1980 MHz

TCF Number: NB_LISA-U200
ACB Project Number: ATCB017952

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

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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.

Michael Derby

Notified Body: Michael Derby

14 December 2015

Date



**Annex 1 of NB Statement of Opinion
Number: NB_LISA-U200 ATCB017952**

The device under evaluation was a licensed cellular module.
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.

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: E-GSM 900 MHz
Transmit Frequency: 880 MHz to 915 MHz
Receive Frequency: 925 MHz to 960 MHz
Modulation: GMSK, 8-PSK
Power Class: Class 4
Transmit Power: 32.4 dBm, 25.0 dBm, conducted

Description of service: GSM 1800 MHz
Transmit Frequency: 1710 MHz to 1785 MHz
Receive Frequency: 1805 MHz to 1880 MHz
Modulation: GMSK, 8-PSK
Power Class: Class 1
Transmit Power: 29.6 dBm, 23.7 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
Power Class: Class 3
Transmit Power: 22.6 dBm, conducted

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
Power Class: Class 3
Transmit Power: 22.0 dBm, conducted



**Annex 2 of NB Statement of Opinion
Number: NB_LISA-U200 ATCB017952**

1	Test Report:	Report number:	Dated:
	EMC	6-0082-11-1-4a	14 November 2011
	EMC	EMC_CETEC_049_12001_EN301489_Rev1	21 July 2012
	Radio	ES_GT_306677	6 July 2012
	Radio	305050REV1	17 January 2012
	Radio	ES_GT_308489	18 July 2013
	Radio	ES_UT_306678	6 July 2012
	Radio	ES_UT_008901REV1	17 January 2012
	Radio	ES_UT_308490	19 July 2013
	RF Safety	EMC_CETEC_046_12001_CE_MPE	20 July 2012
	Product Safety	1-4915/12-01-03	26 June 2012
	Product Safety	071-75931916-000	9 November 2015

2	Technical Documentation provided:		
	Block Diagram	Circuit Diagram	External Photographs
	Internal Photographs	Label Drawing	Operational Description
	Parts List	PCB Layout	Technical Description
	Test Reports	Test Photographs	User Manual
	Declaration of Conformity		
	TCF: M529053Z-05-EO	6 February 2015	

3	Standards used to show conformity to 1999/5/EC:		
	Radio Spectrum:	EN 301 511 V9.0.2	
		EN 301 908-1 V6.2.1	EN 301 908-2 V6.2.1
	EMC:	EN 301 489-1 V1.9.2	
		EN 301 489-7 V1.3.1	EN 301 489-24 V1.5.1
	RF Safety:	EN 62311 : 2008	
	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 Mark correct on device:	Yes

5 Further information:
This is a Class 1 device.
The appropriate conformity information; CE Mark and Notified Body number (1588) must be clearly displayed on the equipment label, the user 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.
The responsible party for integrating this device into host equipment must assess if the combination of this device and the host equipment is compliant with the essential requirements of the R&TTE Directive 1999/5/EC.

6 Contact information:
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