

Recognized by the German Regulator  
 to act as a Notified Body in accordance with the  
 R&TTE Directive 1999/5/EC of 9. March 1999



BNetzA-bS-02/51-54

## R&TTE STATEMENT OF OPINION

Registration No. G110459F

Certificate Holder Shanghai SIMcom Ltd.  
 Building A, SIM Technology Building, No. 633 Jinzhong Road  
 Changning District, Shanghai  
 P.R. China

Product Designation LTE/WCDMA/GSM module, Model SIM7100E  
 Brand Name: SIMCom

Product Description LTE/WCDMA/GSM module with GPS function

Manufacturer Shanghai SIMcom Ltd.  
 Building A, SIM Technology Building, No. 633 Jinzhong Road  
 Changning District, Shanghai  
 P.R. China

Essential Requirement	Applied Specifications / Standards	Documentary Evidence	Result
Art. 3.1(a) Health	EN 62311	Test Report I15D00045-MPE	conform
Art. 3.1(a) Safety	EN 60950-1+A11+A1+A12	Test Report I15D00045-SAF	conform
Art. 3.1(b) EMC	EN 301 489-1/-3/-7/-24	Test Report I15D00045-EMC	conform
Art. 3.2 Radio	EN 301 511 EN 301 908-1/-2/-13 EN 300 440-1/-2	Test Report I14D00045-RFG Test Report I15D00045-RFW Test Report I15D00045-RFL Test Report I15D00045-GPS	conform

The product shall be marked with the CE conformity marking  
 and our Notified Body number as shown on the right.

**CE 0678**

The scope of evaluation relates to the submitted documents only.

This Statement of Opinion is issued in accordance with Annex IV of the R&TTE Directive 1999/5/EC  
 of 9<sup>th</sup> March, 1999 and is only valid in conjunction with the attached Annex.

Unterleinleiter,  
 2015-06-22



Kai Heinrichs  
 Notified Body



## Technical Details

Frequency Range:	GSM900 / DCS1800 WCDMA Band I: 1920 – 1980 MHz (Uplink) 2110 – 2170 MHz (Downlink) WCDMA Band VIII 880 – 915 MHz (Uplink) 925 – 960 MHz (Downlink) E-UTRA Band 1: 1920 – 1980 MHz (Uplink) 2110 – 2170 MHz (Downlink) E-UTRA Band 3: 1710 – 1785 MHz (Uplink) 1805 – 1880 MHz (Downlink) E-UTRA Band 7: 2500 – 2570 MHz (Uplink) 2620 – 2690 MHz (Downlink) E-UTRA Band 8: 880 – 915 MHz (Uplink) 925 – 960 MHz (Downlink) E-UTRA Band 20: 832 – 862 MHz (Uplink) 791 – 821 MHz (Downlink) E-UTRA Band 38: 2570 – 2620 MHz E-UTRA Band 40: 2300 – 2400 MHz 1575.42 MHz (GPS receiver)
Transmit Power:	2 W (GSM) / 1 W (DCS) 24 dBm (WCDMA / LTE)
Modulation Type:	GMSK, 8PSK, QPSK, 16QAM, 64QAM
Hardware Version:	SIM7100E-V1.02
Software Version:	SIM7100E_V4.5

### Technical Construction File (TCF) Details

<i>To demonstrate conformity with Article 3.1(a) Health</i>			
Applied Standards	Version	Applied Standards	Version
EN 62311	2008		
Report or Certificate No.	Issue Date	Issued by	
I15D00045-MPE	2015-04-17	East China Institute of Telecommunications	
<i>To demonstrate conformity with Article 3.1(a) Safety</i>			
Applied Standards	Version	Applied Standards	Version
EN 60950-1+A11+A1+A12	2011		
Report or Certificate No.	Issue Date	Issued by	
I15D00045-SAF	2014-04-17	East China Institute of Telecommunications	
<i>To demonstrate conformity with Article 3.1(b) EMC</i>			
Applied Standards	Version	Applied Standards	Version
EN 301 489-1	V1.9.2	EN 301 489-7	V1.3.1
EN 301 489-3	V1.6.1	EN 301 489-24	V1.5.1
Report or Certificate No.	Issue Date	Issued by	
I15D00045-EMC	2015-06-19	East China Institute of Telecommunications	
<i>To demonstrate conformity with Article 3.2 Spectrum Efficiency</i>			
Applied Standards	Version	Applied Standards	Version
EN 301 511	V9.0.2	EN 301 908-13	V6.2.1
EN 301 908-1	V6.2.1	EN 300 440-1	V1.6.1
EN 301 908-2	V6.2.1	EN 300 440-2	V1.4.1
Report or Certificate No.	Issue Date	Issued by	
I14D00045-RFG	2015-04-17	East China Institute of Telecommunications	
I15D00045-RFW	2015-04-17	East China Institute of Telecommunications	
I15D00045-RFL	2015-04-17	East China Institute of Telecommunications	
I15D00045-GPS	2015-04-17	East China Institute of Telecommunications	
<i>Declaration of Conformity</i>			
Signed by		Date	
Yongsheng Li		2015-04-18	
<i>Technical Documentation</i>			
Block diagram			
PCB layout			
Component layout			
External / Internal photos			
Module specification			
Schematic diagram			
User Manual			