TCB

GRANT OF EQUIPMENT AUTHORIZATION

TCB

Certification

Issued Under the Authority of the Federal Communications Commission

By:

ACB, Inc. 6731 Whittier Avenue Suite C110 McLean, VA 22101

Date of Grant: 12/25/2014

Application Dated: 12/23/2014

Shanghai Simcom Ltd.

SIM Technology Building, No. 633, Jinzhong Road, Changning District, Shanghai, P.R. ChinaP.O. Box 200233, China

Attention: yongsheng Li , Deputy General Manager

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

UDV-SIM7100A FCC IDENTIFIER: Name of Grantee: Shanghai Simcom Ltd. **Equipment Class: PCS Licensed Transmitter**

Notes: LTE/WCDMA Module Modular Type: Single Modular

Overed Neder	500 Pole Ports	Frequency	Output	Frequency	Emission
Grant Notes	FCC Rule Parts	Range (MHZ)	<u>Watts</u>	<u>Tolerance</u>	<u>Designator</u>
ВС	27	706.5 - 713.5	0.18	5.6 Hz	4M52G7D
ВС	27	706.5 - 713.5	0.16	5.9 Hz	4M53D7W
ВС	27	709.0 - 711.0	0.18	6.3 Hz	9M05G7D
ВС	27	709.0 - 711.0	0.16	4.9 Hz	9M08D7W
ВС	22H	824.7 - 848.3	0.24	7.4 Hz	1M11G7D
ВС	22H	824.7 - 848.3	0.19	5.6 Hz	1M10D7W
BC	22H	825.5 - 847.5	0.24	4.3 Hz	2M74G7D
ВС	22H	825.5 - 847.5	0.21	5.0 Hz	2M75D7W
ВС	22H	826.5 - 846.5	0.24	6.1 Hz	4M51G7D
ВС	22H	826.5 - 846.5	0.2	3.8 Hz	4M51D7W
ВС	22H	829.0 - 844.0	0.24	7.5 Hz	9M05G7D
ВС	22H	829.0 - 844.0	0.19	3.6 Hz	9M03D7W
BC	27	1710.7 - 1754.3	0.2	4.8 Hz	1M11G7D
ВС	27	1710.7 - 1754.3	0.15	5.3 Hz	1M10D7W
ВС	27	1711.5 - 1753.5	0.2	5.1 Hz	2M75G7D
ВС	27	1711.5 - 1753.5	0.17	6.7 Hz	2M76D7W
ВС	27	1712.5 - 1752.5	0.2	8.2 Hz	4M52G7D
ВС	27	1712.5 - 1752.5	0.16	3.6 Hz	4M52D7W
ВС	27	1715.0 - 1750.0	0.2	4.4 Hz	9M07G7D
ВС	27	1715.0 - 1750.0	0.16	5.9 Hz	9M06D7W
ВС	27	1717.5 - 1747.5	0.19	3.6 Hz	13M6G7D
ВС	27	1717.5 - 1747.5	0.16	4.2 Hz	13M6D7W
ВС	27	1720.0 - 1745.0	0.19	5.1 Hz	18M0G7D
ВС	27	1720.0 - 1745.0	0.16	7.3 Hz	18M0W7D
ВС	24E	1850.7 - 1909.3	0.19	4.6 Hz	1M11G7D

ВС	24E	1850.7 - 1909.3	0.2	3.9 Hz	1M10D7W
ВС	24E	1851.5 - 1908.5	0.19	9.2 Hz	2M75G7D
ВС	24E	1851.5 - 1908.5	0.2	5.1 Hz	2M76D7W
ВС	24E	1852.5 - 1907.5	0.2	6.8 Hz	4M52G7D
ВС	24E	1852.5 - 1907.5	0.2	4.0 Hz	4M51D7W
ВС	24E	1855.0 - 1905.0	0.2	5.7 Hz	9M07G7D
ВС	24E	1855.0 - 1905.0	0.17	6.3 Hz	9M07D7W
ВС	24E	1857.5 - 1902.5	0.2	5.7 Hz	13M5G7D
ВС	24E	1857.5 - 1902.5	0.17	8.0 Hz	13M5D7W
ВС	24E	1860.0 - 1900.0	0.2	4.8 Hz	18M0G7D
ВС	24E	1860.0 - 1900.0	0.18	3.9 Hz	18M0G7D
ВС	22H	826.4 - 846.6	0.22	6.3 Hz	4M19F9W
ВС	24E	1852.4 - 1907.6	0.17	5.5 Hz	4M17F9W

Single Modular Approval. Power listed is conducted average.

The maximum antenna gain including cable loss for compliance with radiated power limits, RF exposure requirements and the categorical exclusion requirements of 2.1091 is 3.4dBi for 1900 MHz; 1.9dBi for 1700&2100MHz; 1 dBi for 700 MHz and 2.8 dBi for 850 MHz. This transmitter is certified for fixed and mobile installations and the transmitter antenna must be installed to provide a separation distance of at least 20 cm from all persons. The transmitter antenna must not be co-located or operated in conjunction with any other transmitter antenna, except in accordance with FCC multi-transmitter product procedures or as shown in this filing. End users and installers must be provided with instructions to satisfy RF exposure compliance requirements. Compliance of this device in all final product configurations is the responsibility of the Grantee. This device contains LTE/WCDMA functions that are not operational in U.S. territories. This filing is only applicable for 700 MHz MBS, 850 MHz Cell, 1700/2100 MHz AWS and 1900 MHz PCS operations.

This device has 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz and 20 MHz bandwidth modes for LTE Bands 2 and 4; 1.4 MHz, 3 MHz, 5 MHz and 10 MHz bandwidth modes for LTE Band 5; 5 MHz and 10 MHz bandwidth modes for LTE Band 17.

BC: The output power is continuously variable from the value listed in this entry to 5%-10% of the value listed.

