

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: 08/17/2016
Application Dated: 08/17/2016**

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

FCC IDENTIFIER: UDV-201606
Name of Grantee: Shanghai Simcom Ltd.
Equipment Class: PCS Licensed Transmitter
Notes: LTE-FDD/HSPA MODULE
Modular Type: Single Modular

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
BC	22H	826.4 - 846.6	0.3082	0.1 PM	4M15F9W
BC	24E	1852.4 - 1907.6	0.2979	0.1 PM	4M12F9W
BC	24E	1850.7 - 1909.3	0.1986	0.1 PM	1M11W7D
BC	24E	1860.0 - 1900.0	0.191	0.1 PM	17M9W7D
BC	24E	1860.0 - 1900.0	0.1968	0.1 PM	4M45G7D
BC	27	1715.0 - 1750.0	0.2148	0.1 PM	8M94W7D
BC	27	1717.5 - 1747.5	0.2133	0.1 PM	4M95G7D
BC	27	1720.0 - 1745.0	0.2042	0.1 PM	17M9W7D
BC	27	1720.0 - 1745.0	0.2339	0.1 PM	4M95G7D
BC	27	709.0 - 711.0	0.1858	0.1 PM	8M99W7D
BC	27	709.0 - 711.0	0.1945	0.1 PM	4M50G7D

Single Modular Approval. Power out is conducted at the antenna terminal.

ERP for part 22 is 23.11 dBm, EIRP for part 24 is 23.71 dBm and EIRP for part 27 is 23.32 dBm. This device is to be used only for mobile and fixed application. The

antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons. End- Users must be provided with transmitter operation conditions for satisfying RF exposure compliance. OEM integrators must ensure that the end user has no manual instructions to remove or install the SIM7500A module. For mobile and fixed operating configurations the antenna gain, including cable loss, are 1.87 dBi at 1900 MHz, 3.49 dBi at 1700 MHz, 0.91 dBi at 850 MHz and 1.57dBi at 700 MHz as defined in 2.1091 for satisfying RF exposure compliance. Under no condition may an antenna gain be used that would exceed the 7W erp Part 22, the 2W eirp Part 24 and the 3W eirp Part 27 power limits. The Grantee is responsible for providing the documentation required for modular use. 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 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; 5 MHz and 10 MHz bandwidth modes for LTE Band 17.

This module can only be used with a host antenna circuit trace layout design in strict compliance with the OEM instructions provided.

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

