

TCB

GRANT OF EQUIPMENT
AUTHORIZATION

TCB

Certification
Issued Under the Authority of the
Federal Communications Commission
By:

Timco Engineering, Inc.
849 NW State Road 45
Newberry, FL 32669

Date of Grant: 05/09/2020
Application Dated: 05/09/2020

Shanghai Smawave Technology Co. ,Ltd
3F Building 8 1001 North Qinzhou Road
Xuhui District
Shanghai,
China

Attention: Fei Wang

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: 2AU8HSRP410-A
Name of Grantee: Shanghai Smawave Technology Co. ,Ltd
Equipment Class: PCS Licensed Transmitter
Notes: LTE CPE

<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>
	22H	826.5 - 846.5	0.171	0.00941 PM	4M57G7D
	22H	829.0 - 844.0	0.166	0.00955 PM	9M11G7D
	22H	826.5 - 846.5	0.175	0.00912 PM	4M59W7D
	22H	829.0 - 844.0	0.17	0.00957 PM	9M11W7D
	22H	826.5 - 846.5	0.23	0.00935 PM	4M56G7D
	22H	831.5 - 841.5	0.225	0.00867 PM	13M5G7D
	22H	826.5 - 846.5	0.232	0.00949 PM	4M61W7D
	22H	831.5 - 841.5	0.229	0.00882 PM	13M6W7D
	24E	1852.5 - 1907.5	0.287	0.00923 PM	4M55G7D
	24E	1860.0 - 1900.0	0.281	0.00928 PM	17M9G7D
	24E	1852.5 - 1907.5	0.298	0.0093 PM	4M58W7D
	24E	1860.0 - 1900.0	0.291	0.00955 PM	17M9W7D
	24E	1852.5 - 1912.5	0.366	0.0093 PM	4M57G7D
	24E	1860.0 - 1905.0	0.359	0.00928 PM	17M9G7D
	24E	1852.5 - 1912.5	0.391	0.00923 PM	4M56W7D
	24E	1860.0 - 1905.0	0.382	0.00955 PM	18M0W7D
	27	1712.5 - 1752.5	0.314	0.00847 PM	4M56G7D
	27	1720.0 - 1745.0	0.305	0.00829 PM	18M0G7D
	27	1712.5 - 1752.5	0.313	0.0092 PM	4M59W7D
	27	1720.0 - 1745.0	0.308	0.00943 PM	17M9W7D
	27	1712.5 - 1777.5	0.327	0.00951 PM	4M54G7D
	27	1720.0 - 1770.0	0.318	0.00917 PM	17M9G7D
	27	1712.5 - 1777.5	0.338	0.0095 PM	4M58W7D

27	1720.0 - 1770.0	0.333	0.0095 PM	18M0W7D
27	701.5 - 713.5	0.167	0.00956 PM	4M59G7D
27	704.0 - 711.0	0.163	0.00888 PM	9M19G7D
27	701.5 - 713.5	0.187	0.0088 PM	4M58W7D
27	704.0 - 711.0	0.184	0.00947 PM	9M16W7D
27	779.5 - 784.5	0.139	0.00936 PM	4M56G7D
27	782.0 - 782.0	0.187	0.00878 PM	9M02G7D
27	779.5 - 784.5	0.135	0.00921 PM	4M56W7D
27	782.0 - 782.0	0.187	0.00937 PM	9M02W7D
27	2498.5 - 2687.5	0.561	0.00928 PM	4M55G7D
27	2506.0 - 2680.0	0.547	0.00891 PM	17M9G7D
27	2498.5 - 2687.5	0.574	0.00945 PM	4M55W7D
27	2506.0 - 2680.0	0.558	0.00916 PM	18M0W7D
27	665.5 - 695.5	0.327	0.00901 PM	4M54G7D
27	673.0 - 688.0	0.256	0.00922 PM	17M9G7D
27	665.5 - 695.5	0.338	0.00943 PM	4M58W7D
27	673.0 - 688.0	0.333	0.0095 PM	18M0W7D
90	790.5 - 795.5	0.136	0.00949 PM	4M57G7D
90	793.0 - 793.0	0.139	0.00921 PM	8M99G7D
90	790.5 - 795.5	0.135	0.00947 PM	4M57W7D
90	793.0 - 793.0	0.16	0.00923 PM	8M99W7D
90	819.0 - 819.0	0.036	0.00949 PM	9M14G7D
90	819.0 - 819.0	0.144	0.00921 PM	9M12W7D

Output Power is EIRP and ERP for above and below 1 GHz, respectively, except for Part 90 LTE Band 26 emissions, which are conducted. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons, and must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with FCC multi-transmitter product procedures, or as evaluated in this filing. Users must be provided with installation instructions and transmitter operating conditions for satisfying RF exposure compliance. This device supports LTE of 1.4, 3, 5, 10, 15, and 20 MHz bandwidth modes for FDD LTE Bands 2, 4, 25 and 66; LTE of 1.4, 3, 5, and 10 MHz bandwidth modes for FDD LTE Bands 5 and 12; LTE of 5, and 10 MHz bandwidth modes for FDD LTE Bands 13 and 14; LTE of 1.4, 3, 5, 10, and 15 MHz bandwidth modes for FDD LTE Band 26; and LTE of 5, 10, 15, and 20 MHz bandwidth modes for TDD LTE Band 41.