

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 <BR>P.O. Box 370,  
Newberry, FL 32669

Date of Grant: 10/05/2017

Application Dated: 10/03/2017

**Mikrotiks SIA**  
**Pernavas 46**  
**Riga, LV-1009**  
**Latvia**

**Attention: Edmunds Zvegincevs , engineer, R&D**

**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:** TV7R11ELTE  
**Name of Grantee:** Mikrotiks SIA  
**Equipment Class:** PCS Licensed Transmitter  
**Notes:** Mini PCIe 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>
	22H	826.4 - 846.6	0.2275	0.0155 PM	4M14F9W
	24E	1852.4 - 1907.6	0.2265	0.0096 PM	4M14F9W
	24E	1860.0 - 1900.0	0.2333	0.0039 PM	18M4G7D
	24E	1860.0 - 1900.0	0.1622	0.0039 PM	18M4W7D
	24E	1852.5 - 1907.5	0.1734	0.0039 PM	4M51W7D
	27	1720.0 - 1745.0	0.2512	0.0054 PM	18M3G7D
	27	1720.0 - 1745.0	0.1816	0.0054 PM	18M5W7D
	27	1710.7 - 1754.3	0.1945	0.0054 PM	1M10W7D
	22H	829.0 - 844.0	0.2128	0.005 PM	9M07G7D
	22H	829.0 - 844.0	0.1585	0.005 PM	8M99W7D
	22H	824.7 - 848.3	0.1746	0.005 PM	1M09W7D
	27	704.0 - 711.0	0.2118	0.0055 PM	9M03G7W
	27	704.0 - 711.0	0.1578	0.0055 PM	9M03W7D
	27	699.7 - 715.3	0.1734	0.0055 PM	1M10W7D

Single Modular Approval. Power listed is conducted. Compliance of this device in all final host configurations is the responsibility of the Grantee. OEM integrators must be provided with antenna installation instructions and labeling requirements for finished products. OEM integrators and end-Users must be provided with transmitter operation conditions for satisfying RF exposure compliance. This grant is valid only when the device is sold to OEM integrators and the OEM integrators are instructed to ensure that the end user has no manual instructions to remove or install the device. Separate approval is required for all

other operating configurations, including portable configurations with respect to 2.1093 and different antenna configurations. 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 transmit simultaneously with any other antenna or transmitter. Users and installers must be provided with antenna 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 Bands 2 and 4; and LTE of 1.4, 3, 5, and 10 MHz bandwidth modes for Bands 5 and 12. This device contains functions that are not operational in U.S. Territories. This filing is only applicable for U.S. operations.