RUTX12 Power Consumption

Averaged RUTX12 power consumption values in different states of operation are represented in the tables below:

Test type	Current (mA)	Power consumption (W)
Idle, no SIM cards inserted (9 V)	**410**	**3.69**
Idle, no SIM cards inserted (12 V)	**308**	**3.70**
Idle, no SIM cards inserted (24 V)	**155**	**3.72**

Test type	Current (mA)	Power consumption (W)
Idle + mobile data on [1] (1 SIM card) (9 V)	**419**	**3.77**
Idle + mobile data on [1] (1 SIM card) (12 V)	**313**	**3.76**
Idle + mobile data on [1] (1 SIM card) (24 V)	**162**	**3.89**

Test type	Current (mA)	Power consumption (W)
Idle + mobile data on [1] (2 SIM cards) (9 V)	**424**	**3.82**
Idle + mobile data on [1] (2 SIM cards) (12 V)	**319**	**3.83**
Idle + mobile data on [1] (2 SIM cards) (24 V)	**164**	**3.94**

Test type	Current (mA)	Power consumption (W)
Mobile data on [1] + 1 LAN device connected [2] (2 SIM cards) (9 V)	**454**	**4.09**
Mobile data on [1] + 1 LAN device connected [2] (2 SIM cards) (12 V)	**340**	**4.08**
Mobile data on [1] + 1 LAN device connected [2] (2 SIM cards) (24 V)	**173**	**4.15**

Test type	Current (mA)	Power consumption (W)
Max speed LTE transmission + 5 LAN devices connected [2] + high CPU load [3] + data transfer via WiFi + GPS on + USB device connected [4] + 1 paired Bluetooth device (9 V)	**1305**	**11.75**
Max speed LTE transmission + 5 LAN devices connected [2] + high CPU load [3] + data transfer via WiFi + GPS on + USB device connected [4] + 1 paired Bluetooth device (12 V)	**976**	**11.72**
Max speed LTE transmission + 5 LAN devices connected [2] + high CPU load [3] + data transfer via WiFi + GPS on + USB device connected [4] + 1 paired Bluetooth device (24 V)	**495**	**11.88**

[1] - Only mobile data connection established with no additional traffic.
[2] - Data streams between RUTX12 and other connected LAN devices created using iPerf.
[3] - Load created using *md5sum* (calculation and verification of 128-bit MD5 hashes).
[4] - USB device with ~ 500 mA current draw.
Power consumption may differ due to mobile data transmission speed, testing environment and conditions.