RUTXR1 Power Consumption

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[RUTXR1](#) power consumption values in different states of operation are represented in the tables below:

Test type	Current (mA)	Power consumption (W)
Idle, no SIM card inserted (9 V)	441	3.97
Idle, no SIM card inserted (12 V)	330	3.96
Idle, no SIM card inserted (24 V)	174	4.18

Test type	Current (mA)	Power consumption (W)
Idle + mobile data on [1] (9 V)	447	4.02
Idle + mobile data on [1] (12 V)	334	4.01
Idle + mobile data on [1] (24 V)	175	4.20

Test type	Current (mA)	Power consumption (W)
Mobile data on [1] + 1 LAN device connected [2] (9 V)	515	4.64
Mobile data on [1] + 1 LAN device connected [2] (12 V)	390	4.68
Mobile data on [1] + 1 LAN device connected [2] (24 V)	196	4.70

Test type	Current (mA)	Power consumption (W)
Max speed LTE transmission + 5 LAN devices connected [2] + high CPU load [3] + data transfer via WiFi + USB device connected [4] (9 V)	1235	11.12
Max speed LTE transmission + 5 LAN devices connected [2] + high CPU load [3] + data transfer via WiFi + USB device connected [4] (12 V)	9.24	11.09
Max speed LTE transmission + 5 LAN devices connected [2] + high CPU load [3] + data transfer via WiFi + USB device connected [4] (24 V)	464	11.14

[1] - Only mobile data connection established with no additional traffic.

[2] - Data streams between RUTXR1 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 ~ 300 mA current draw.

Power consumption may differ due to mobile data transmission speed, testing environment and conditions.