RUTC50 Power Consumption

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Averaged RUTC50 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)	**539**	**4.85**
Idle, no SIM card inserted (12 V)	**400**	**4.80**
Idle, no SIM card inserted (24 V)	**201**	**4.84**

Test type	Current (mA)	Power consumption (W)
Idle + mobile data on [1] (9 V)	**551**	**4.96**
Idle + mobile data on [1] (12 V)	**408**	**4.89**
Idle + mobile data on [1] (24 V)	**204**	**4.92**

Test type	Current (mA)	Power consumption (W)
Mobile data on [1] + 1 LAN device connected [2] (9 V)	**610**	**5.49**
Mobile data on [1] + 1 LAN device connected [2] (12 V)	**449**	**5.39**
Mobile data on [1] + 1 LAN device connected [2] (24 V)	**227**	**5.45**

Test type	Current (mA)	Power consumption (W)
Max speed 5G (NSA) transmission + 5 LAN devices connected [2] + high CPU load [3] + data transfer via WiFi + GPS on + USB device connected [4] (9 V)	**1478**	**13.3**
Max speed 5G (NSA) transmission + 5 LAN devices connected [2] + high CPU load [3] + data transfer via WiFi + GPS on + USB device connected [4] (12 V)	**1041**	**12.49**
Max speed 5G (NSA) transmission + 5 LAN devices connected [2] + high CPU load [3] + data transfer via WiFi + GPS on + USB device connected [4] (24 V)	**504**	**12.10**

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

[2] - Data streams between RUTC50 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.