

The power measurement for UL CA, LTE and 5G NR is to establish a connection between device and call box, and via call box to configure BWs, RB size, carrier aggregation of CA, frequency channels, SCS and maximum output power. Hereunder are screenshots for the call box connection information for ULCA, LTE and 5G NR.

Call box ULCA setup screenshot

The screenshot displays a mobile network measurement interface. The top status bar shows 'Phone1 LTE 30.605P017' and 'DL Channel 2850 ch'. The 'Measurement' tab is active, showing 'Fundamental > Numeric' data. A red box highlights the 'Power Measurement' table, which provides average, maximum, and minimum power values for Total, PCC, and SCC-1 components. Below this, the 'Throughput' section shows a total throughput of 15768 kbps and a block error rate of 0.0000. The interface also includes a left-hand menu with various measurement categories and a right-hand control panel with 'Connected' status and call management buttons.

	Avg.	Max.	Min.
Total TX Power	21.90	21.95	21.77 dBm
PCC TX Power	21.00	21.23	20.10 dBm
PCC Channel Power	20.99	21.23	20.09 dBm
SCC-1 TX Power	14.64	16.91	13.63 dBm
SCC-1 Channel Power	14.64	16.90	13.62 dBm

Call box LTE setup screenshot

The screenshot displays the LTE setup interface. At the top, it shows 'Phone2 LTE' and 'Phone1 LTE' with the number '30.605#017'. The 'Measurement' tab is active, showing 'Fundamental' and 'Numeric' views. The 'Power Measurement' section is highlighted with a red box, showing the following data:

Measurement Item	Avg.	Max.	Min.
TX Power	22.87	22.88	22.85 dBm
Channel Power	22.86	22.87	22.85 dBm

The 'Throughput' section shows 'DL Throughput' at 7884 kbps (100.00%) and 'UL Throughput' at 8760 kbps (100.00%). The 'UE Power' is 22.8 dBm. The interface includes various control buttons like 'Home', 'Preset', 'Measuring...', 'Single', 'Continuous', 'Start Call', and 'End Call'.

Call box 5G NR setup screenshot

The screenshot displays the 5G NR setup interface. At the top, it shows '5G NR V08.90.21#000 \*SA-FDD'. The 'Measurement' tab is active, showing 'Fundamental' and 'Numeric' views. The 'Power Measurement' section shows the following data:

Measurement Item	Avg.	Max.	Min.
Tx Power	23.27	23.36	23.25 dBm
Channel Power	23.27	23.36	23.25 dBm

The 'Occupied Bandwidth' section shows 'OBW' at 18.772 MHz, 'Upper Frequency' at 9.386 MHz, 'Lower Frequency' at -9.386 MHz, and 'Center(Upper+Lower)/2' at 1882.500 MHz. The 'UE Power' is 23.4 dBm. The interface includes various control buttons like 'Home', 'Preset', 'Measuring...', 'Single', 'Continuous', 'Start Call', and 'End Call'.