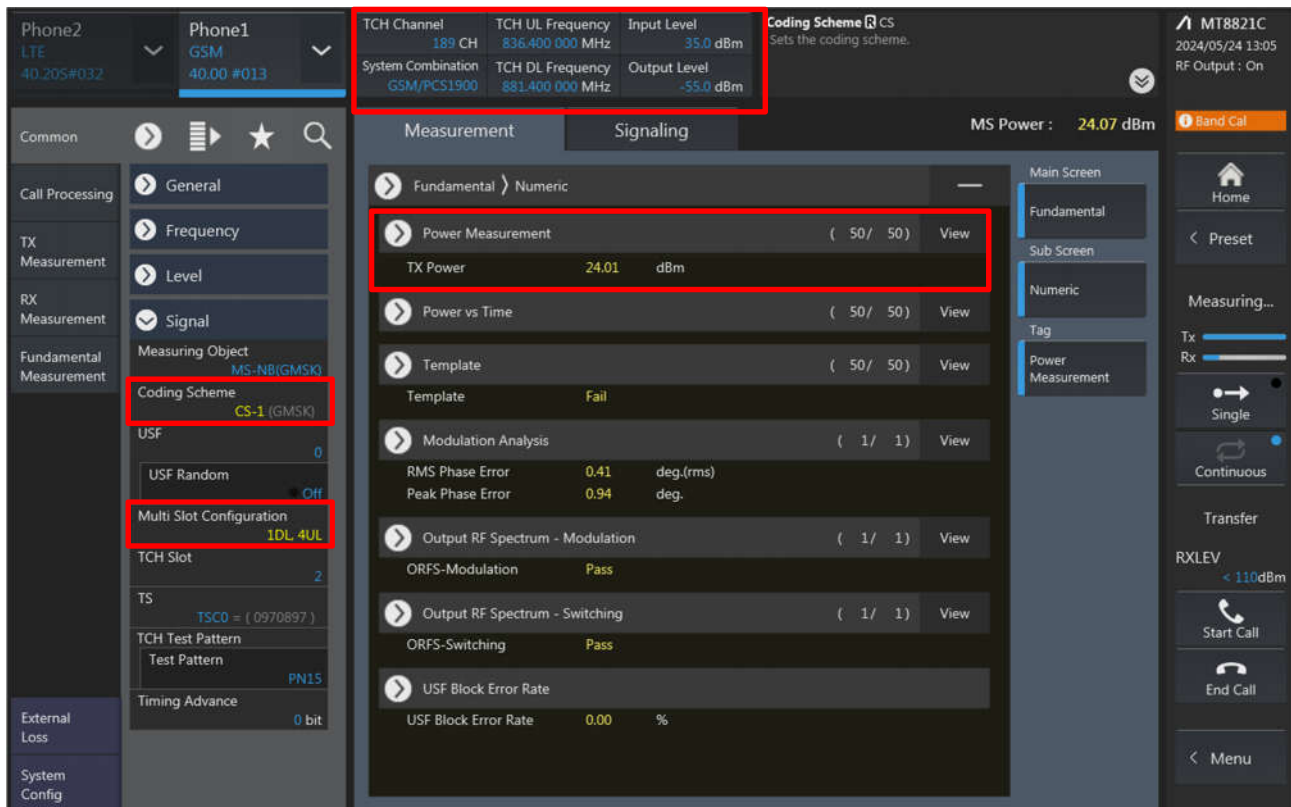


### Power measurement connection diagram:

The power measurement for 2G/3G/LTE/5G FR1/UL and DL CA is to establish a connection between device and call box, and via call box to configure Bands, channel, BWs, RB size, carrier aggregation of CA, frequency channels, SCS and maximum output power. Hereunder is screenshot call box connection information for 2G/3G/LTE/5G FR1/UL and DL CA.

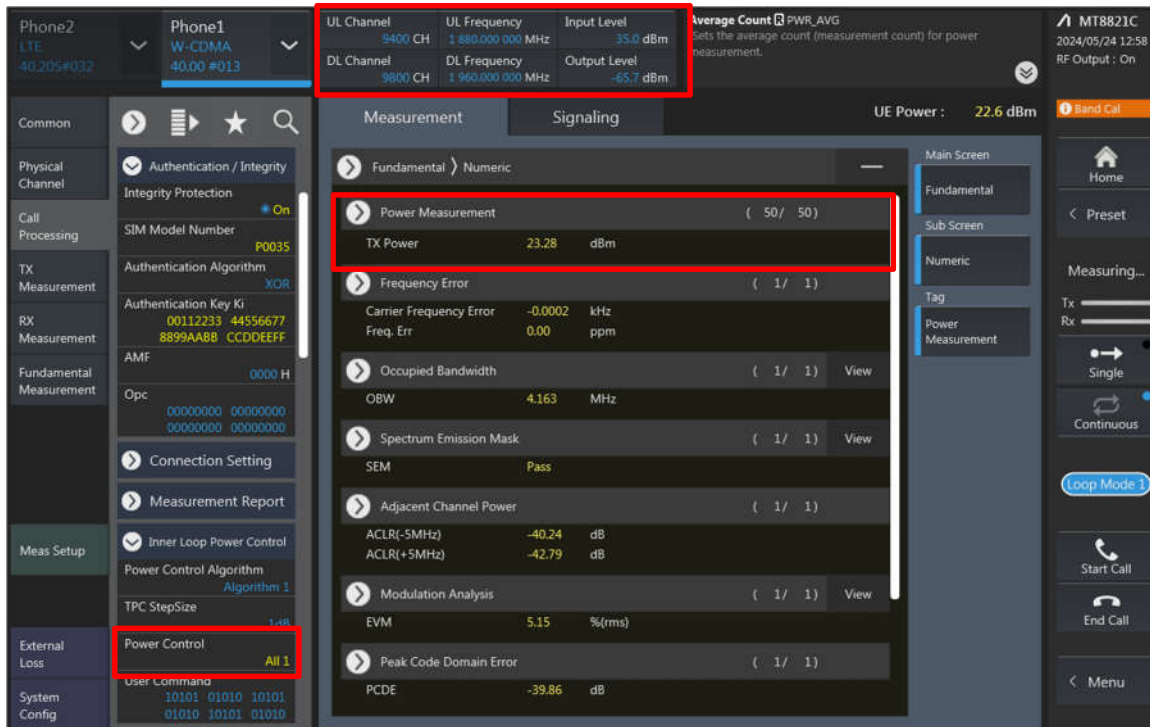
#### <GSM>



The screenshot displays the SPORTON LAB. software interface for GSM power measurement. The interface is divided into several sections:

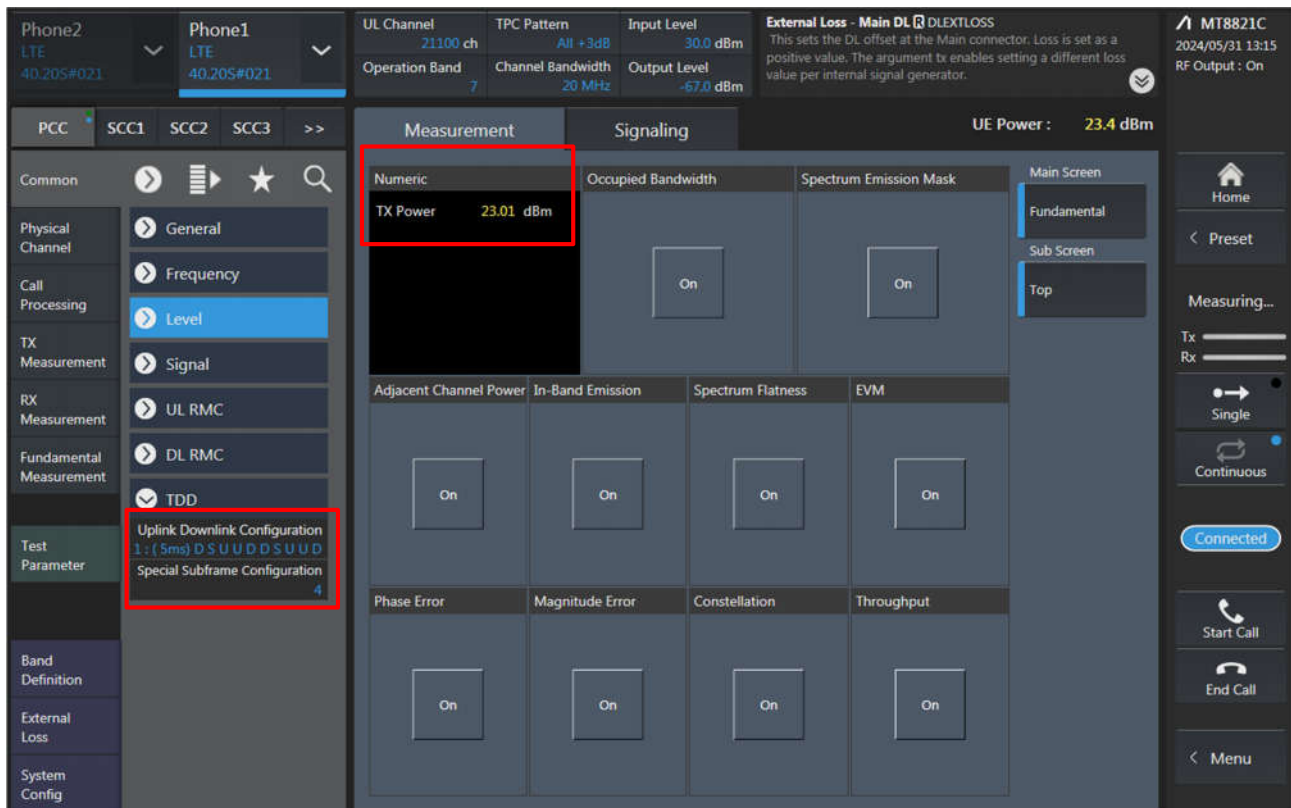
- Top Bar:** Shows Phone2 (LTE 40.205#032) and Phone1 (GSM 40.00 #013). The TCH Channel is 189 CH, TCH UL Frequency is 836.400 000 MHz, Input Level is 35.0 dBm, and Coding Scheme is CS. The TCH DL Frequency is 881.400 000 MHz, and Output Level is -55.0 dBm.
- Left Sidebar:** Contains navigation options like Call Processing, TX Measurement, RX Measurement, Fundamental Measurement, and External Loss.
- Main Panel:** Displays measurement results under the 'Measurement' tab. The 'Power Measurement' section shows TX Power as 24.01 dBm. Other sections include Power vs Time, Template (Fail), Modulation Analysis (RMS Phase Error: 0.41 deg.(rms), Peak Phase Error: 0.94 deg.), Output RF Spectrum - Modulation (ORFS-Modulation: Pass), Output RF Spectrum - Switching (ORFS-Switching: Pass), and USF Block Error Rate (USF Block Error Rate: 0.00 %).
- Right Sidebar:** Shows the 'Band Cal' button and a 'Measuring...' status bar with Tx and Rx power levels.

### <WCDMA>



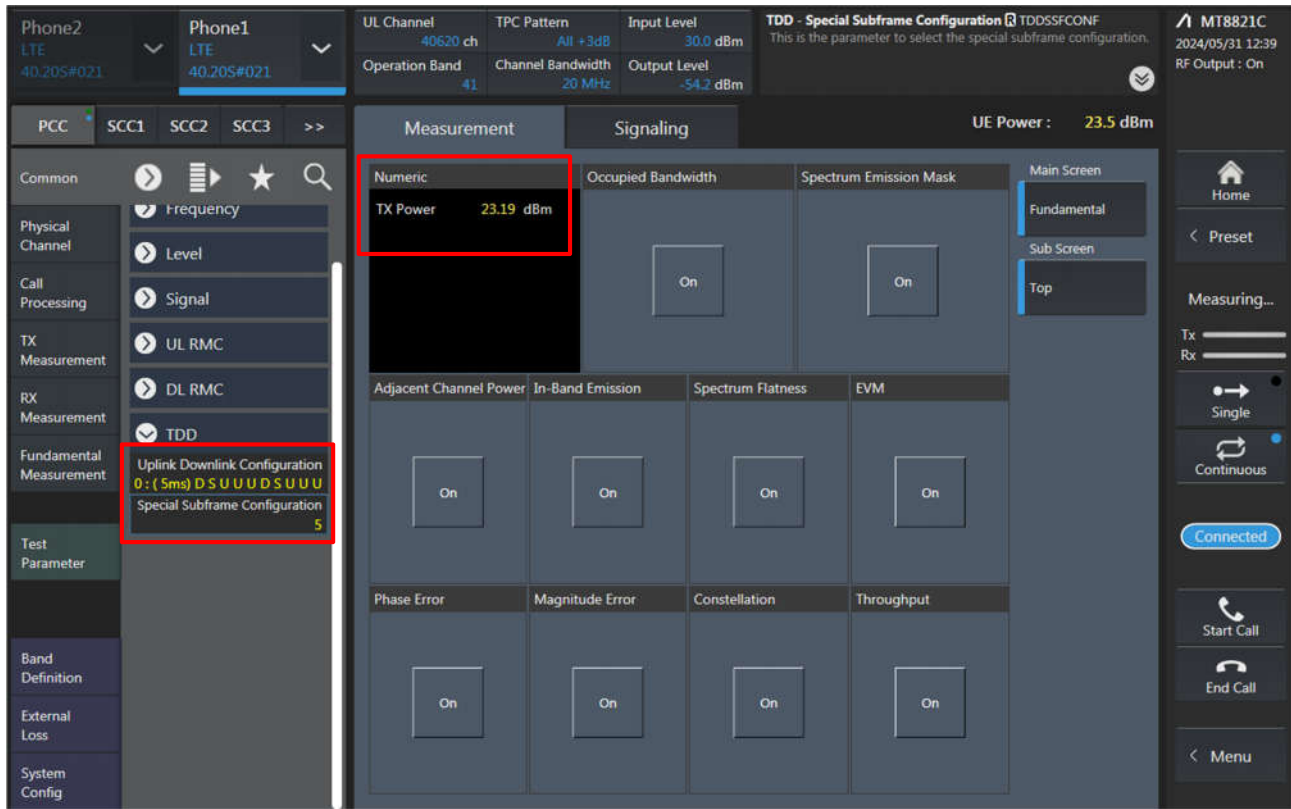
The screenshot shows the WCDMA measurement interface. The top bar displays 'Phone2 LTE 40.205#032' and 'Phone1 W-CDMA 40.00 #013'. The 'Measurement' tab is active, showing a list of metrics. A red box highlights the 'Power Measurement' section, which includes 'TX Power' at 23.28 dBm. Another red box highlights the 'Power Control' section in the 'Meas Setup' area, showing 'Power Control' set to 'All 1'. The 'UE Power' is 22.6 dBm. The 'Fundamental' screen is selected on the right.

### <LTE>

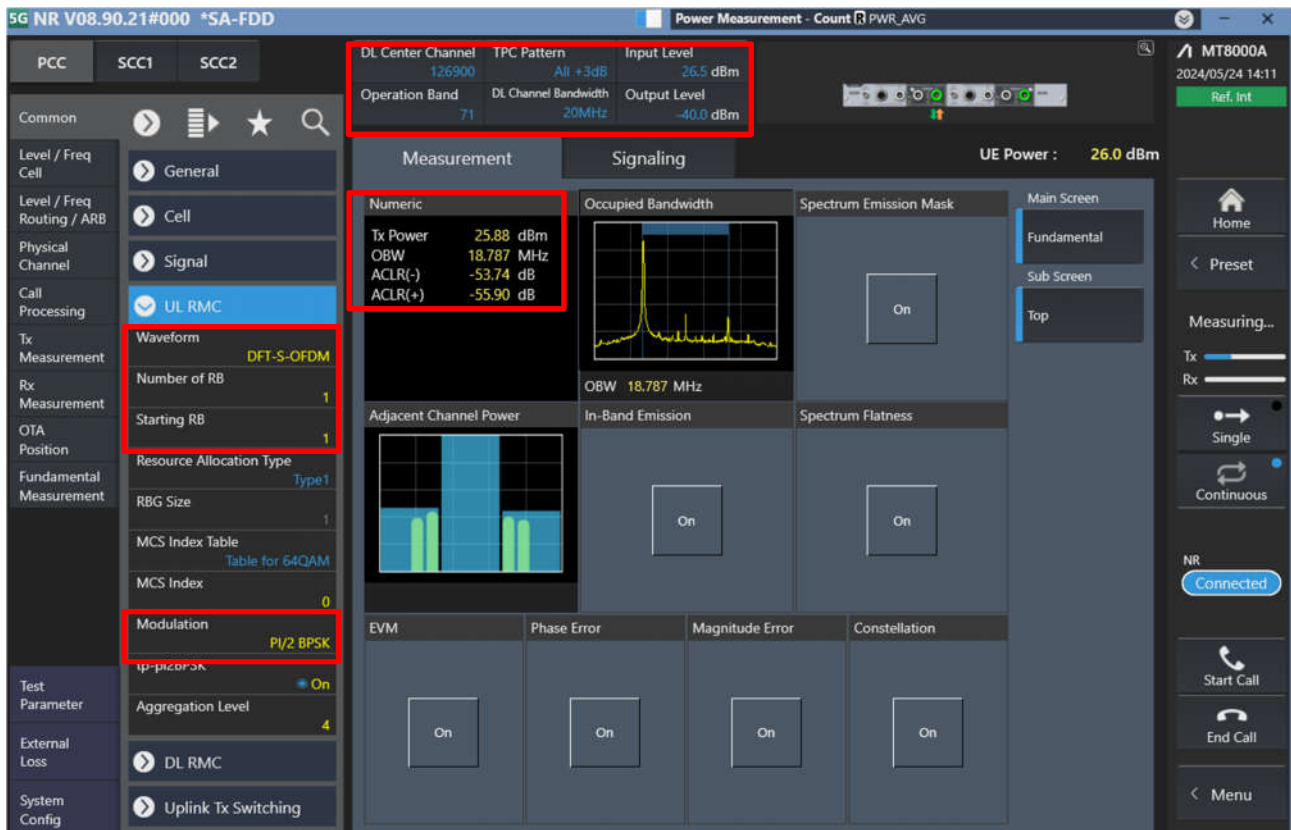


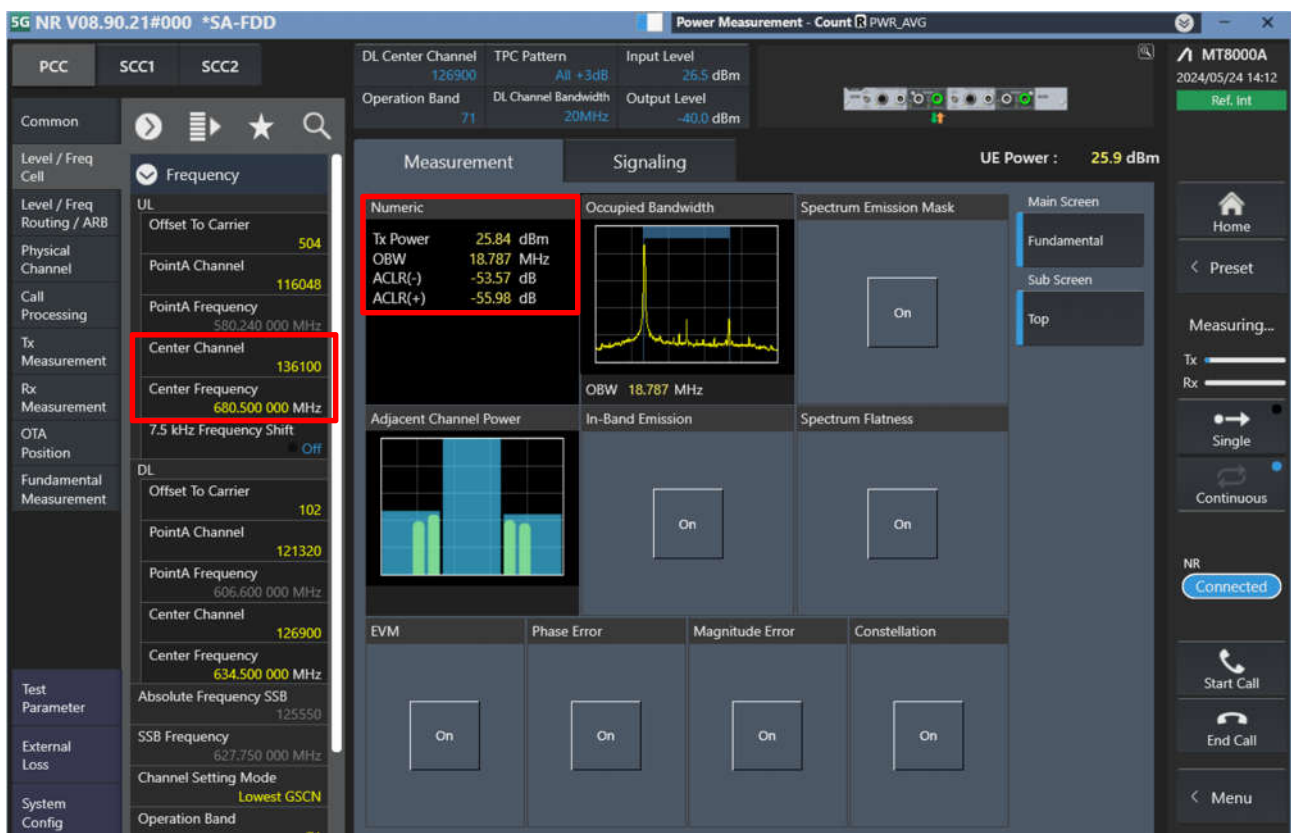
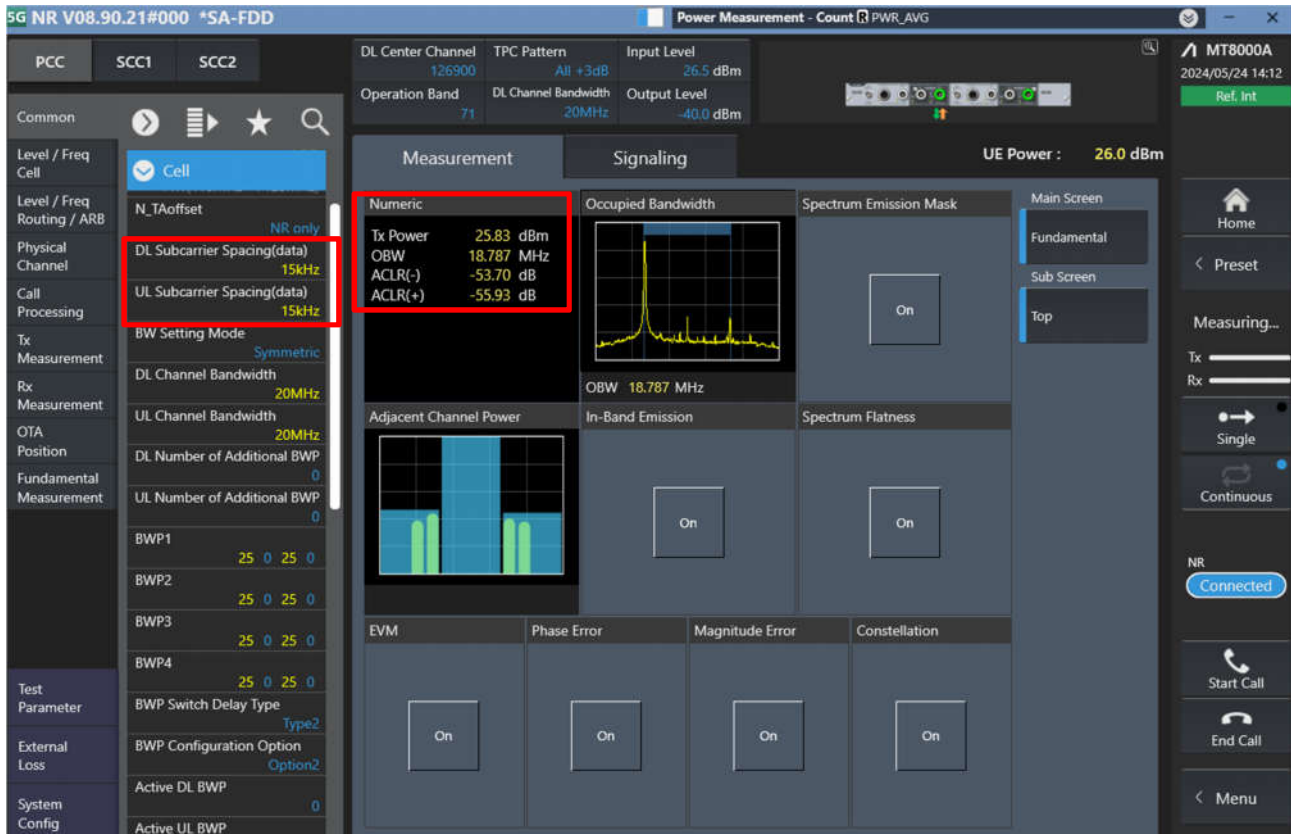
The screenshot shows the LTE measurement interface. The top bar displays 'Phone2 LTE 40.205#021' and 'Phone1 LTE 40.205#021'. The 'Measurement' tab is active, showing a list of metrics. A red box highlights the 'Power Measurement' section, which includes 'TX Power' at 23.01 dBm. Another red box highlights the 'Uplink Downlink Configuration' section in the 'Test Parameter' area, showing 'Uplink Downlink Configuration 1: (5ms) D S U U D D S U U D' and 'Special Subframe Configuration 4'. The 'UE Power' is 23.4 dBm. The 'Fundamental' screen is selected on the right.

### <LTE TDD Power class 3>



### <5G NR FR1>

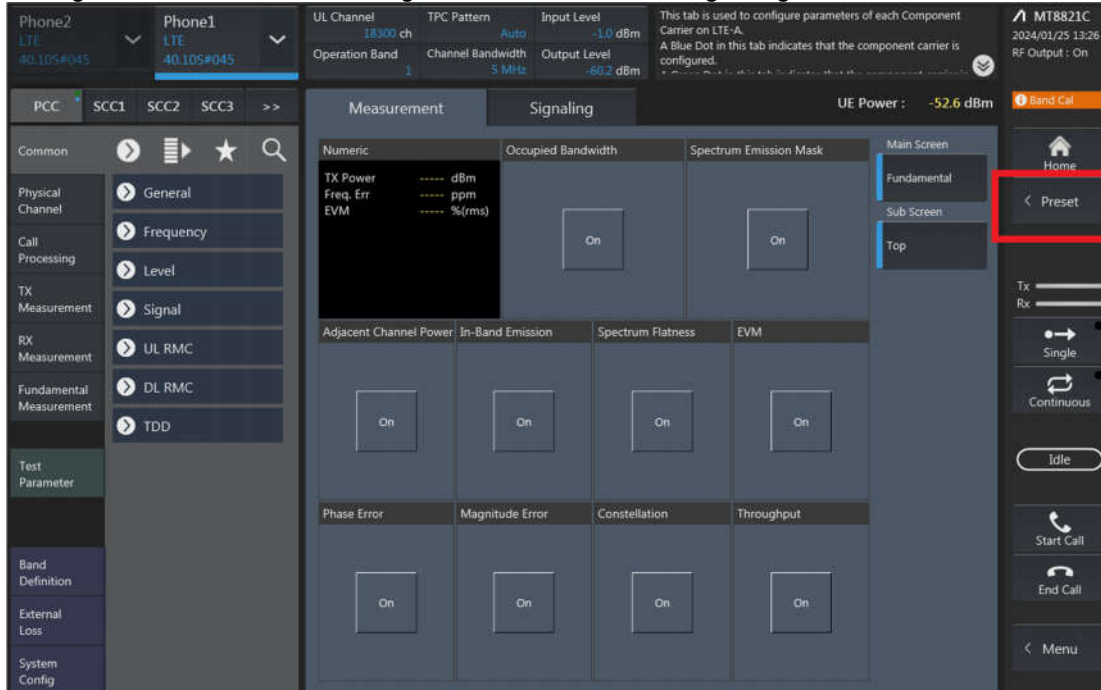






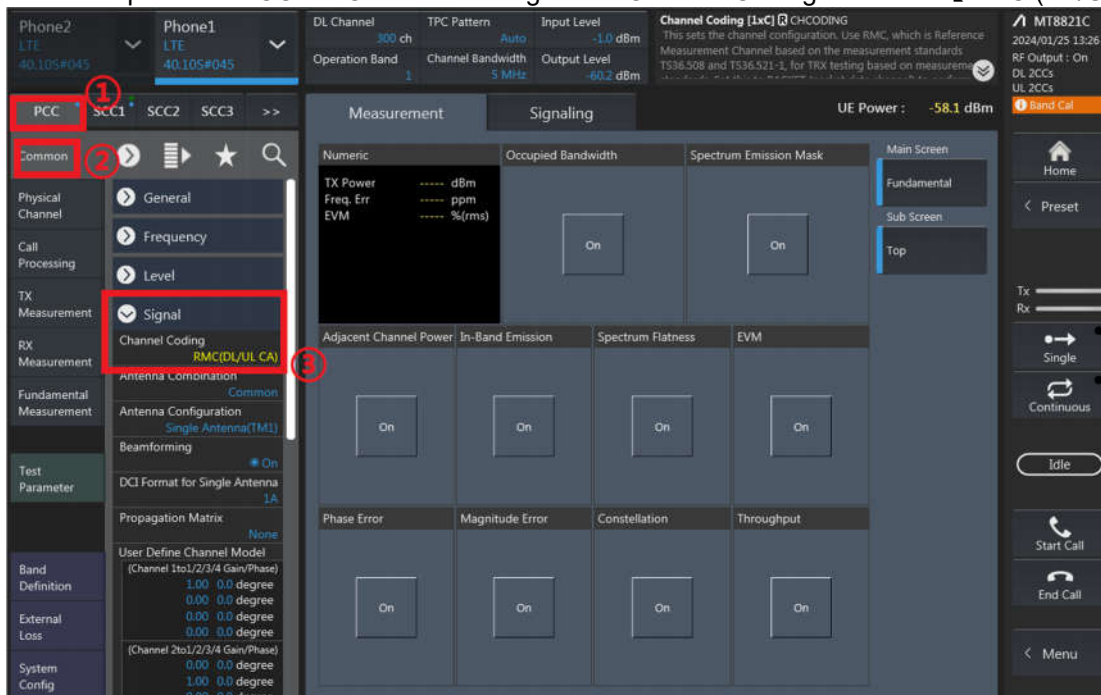
## LTE Uplink and Downlink Carrier Aggregation configurations:

1. Change the Scenario in the Configuration of Phone1 LTE Signaling and Preset.

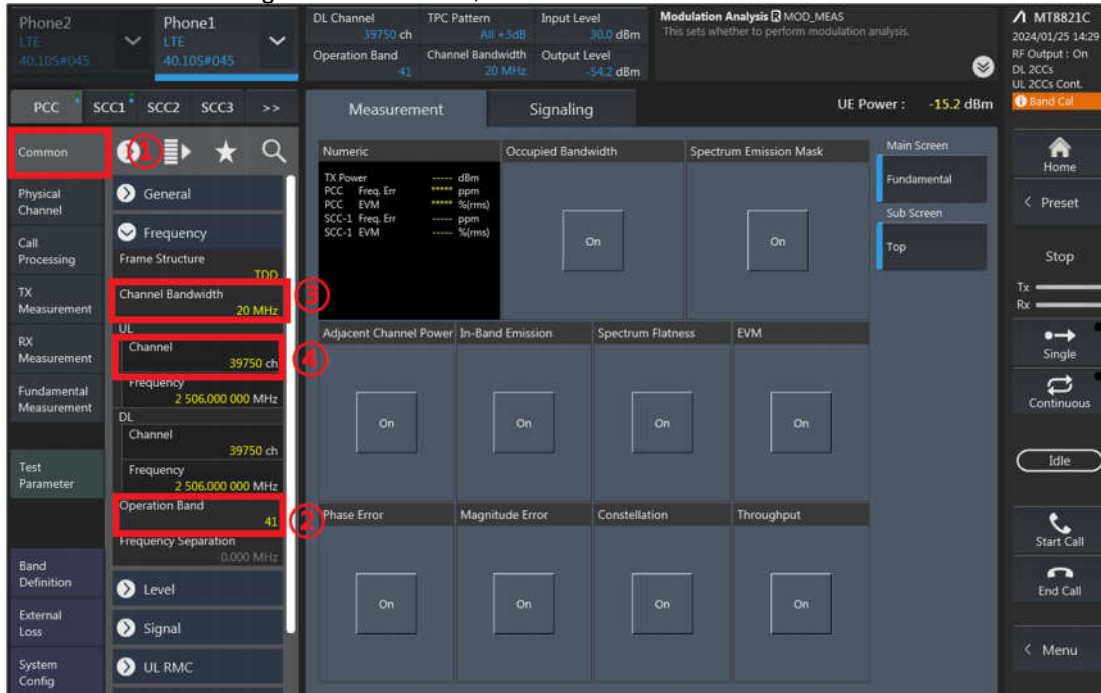


2. If Select "RMC (DL/UL CA)" for Uplink Carrier Aggregation;  
If Select "RMC (DL CA)" for Downlink Carrier Aggregation.  
For example, Uplink Carrier Aggregation:

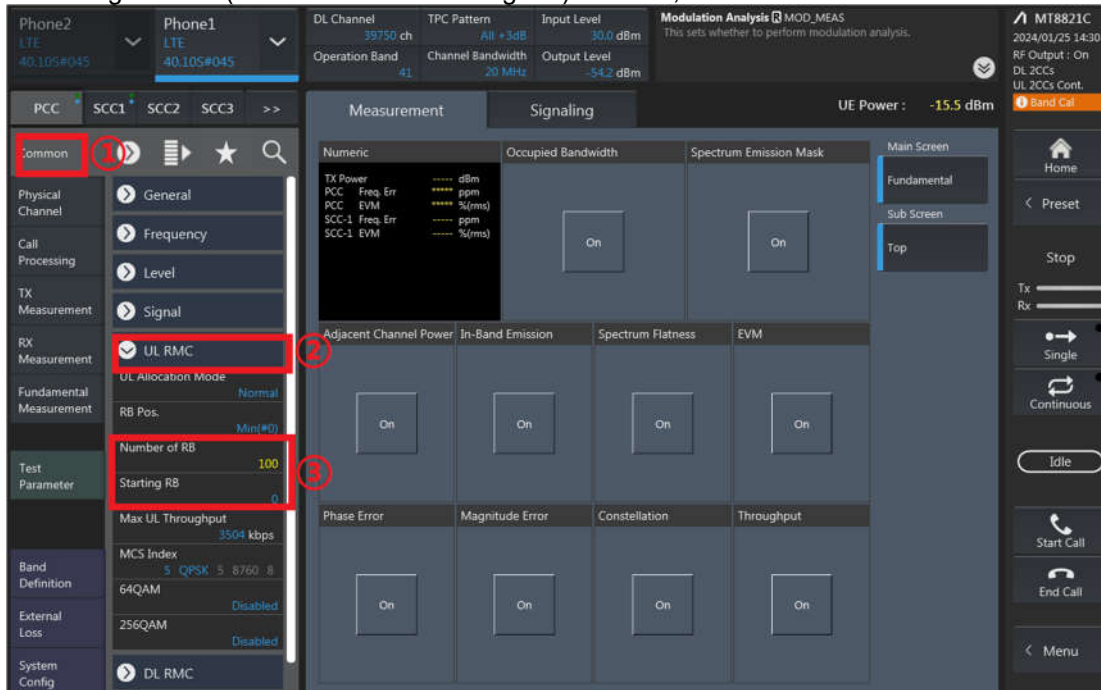
Detailed operation: PCC → Common → Signal → Channel Coding → Select 【RMC (DL/UL CA)】



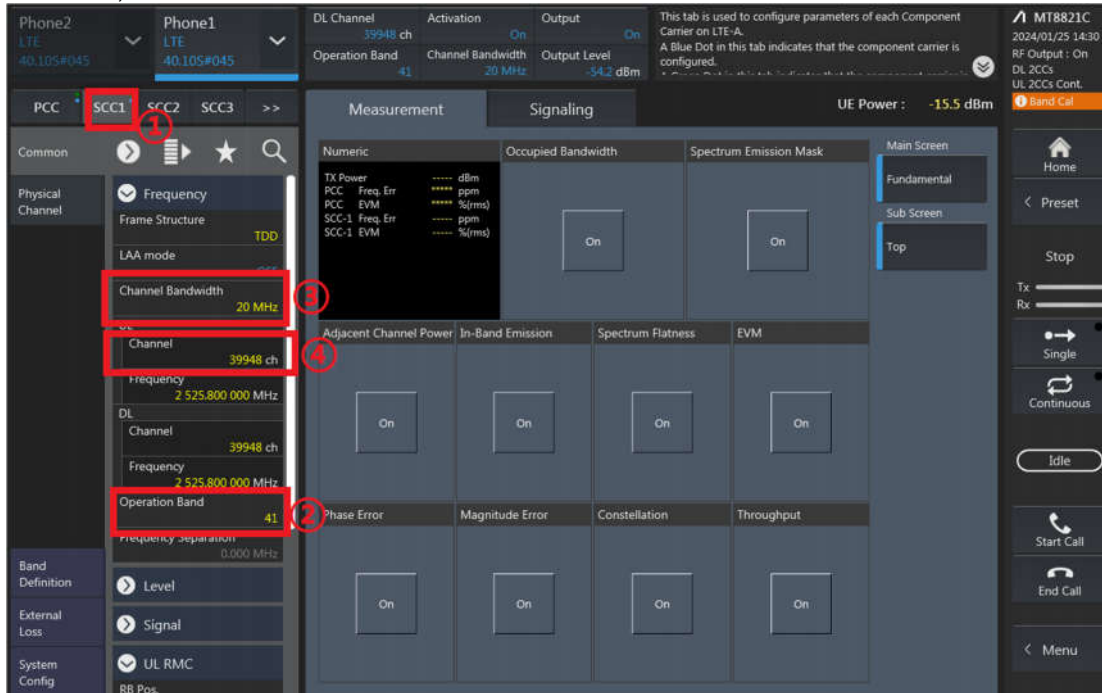
3. PCC parameter Settings: on the screen, and then select the PCC tab and Set operating band, BW, channel and RB configurations for PCC;



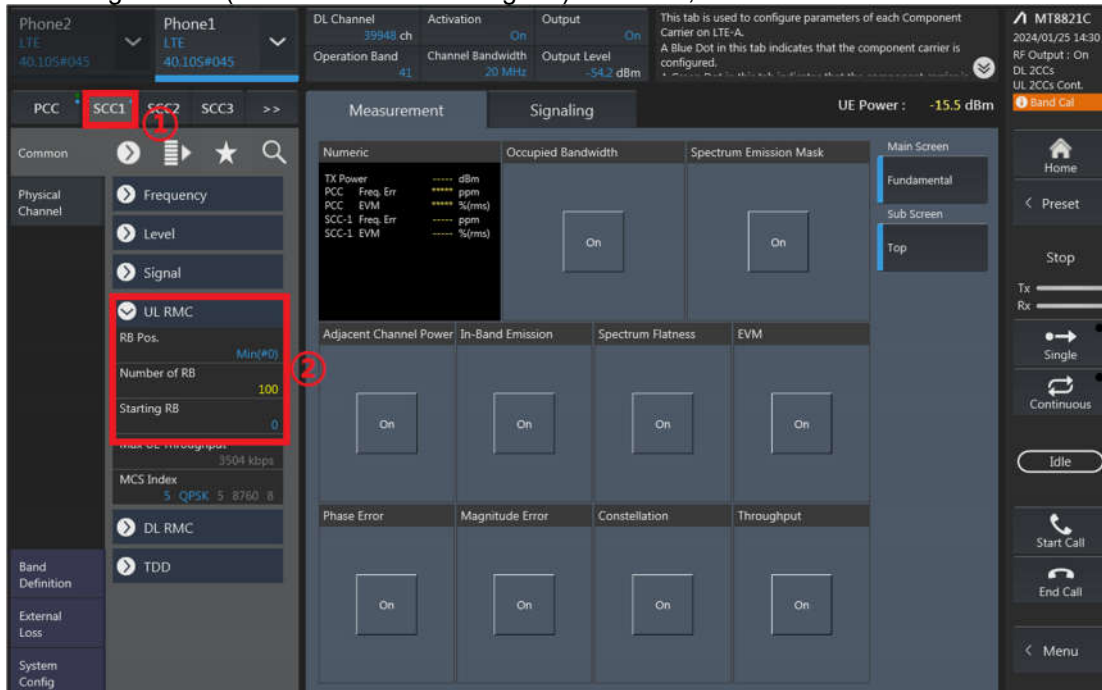
RB configurations (Number of RB / Starting RB) for PCC;



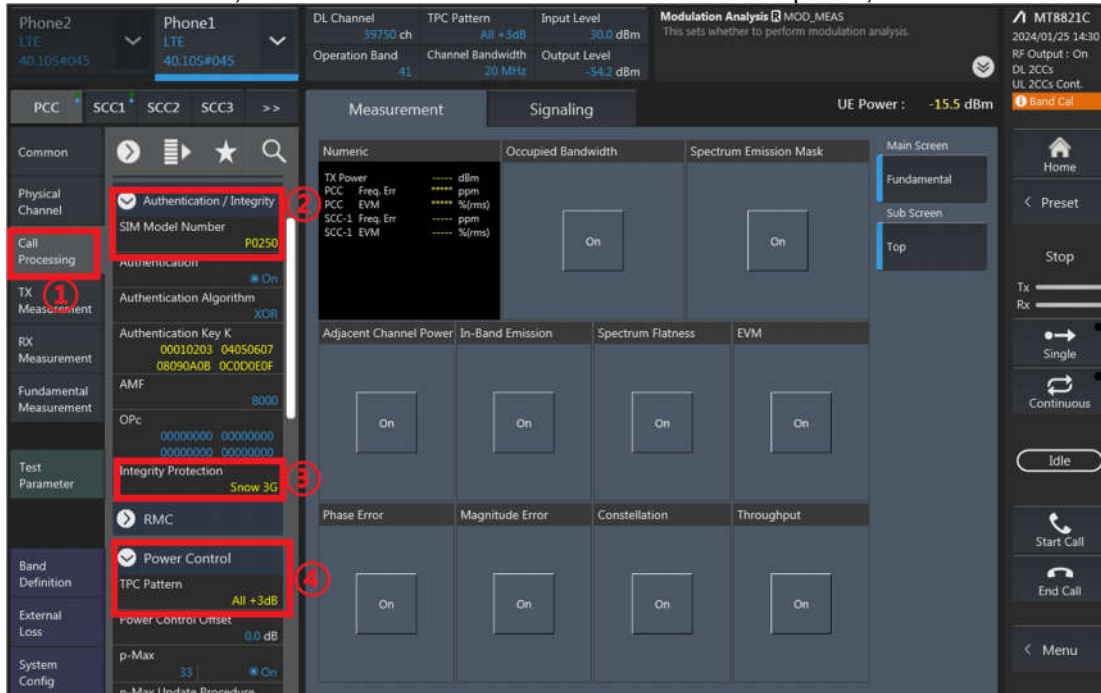
4. SCC parameter Settings: Select the SCC1 tab, Set operating band, BW, channel, and RB configurations for SCC1;



RB configurations (Number of RB / Starting RB) for SCC1;

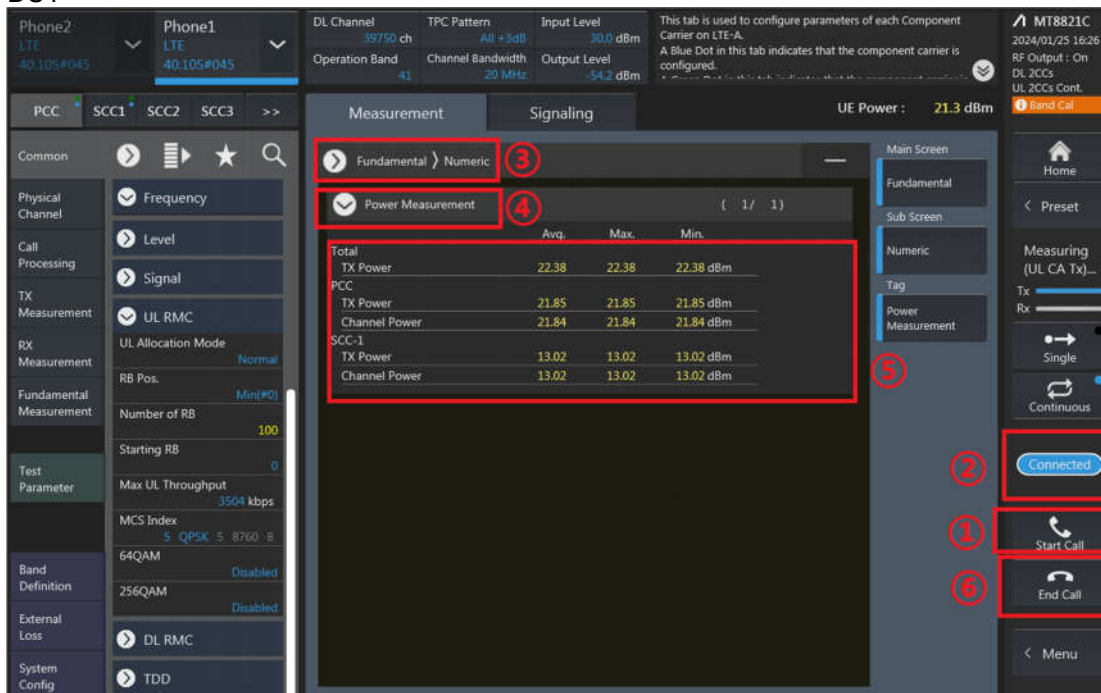


5. Select the PCC tab, then set “SIM Model Number” and select max power;



The screenshot shows the PCC tab configuration in the SPORTON LAB. interface. The left sidebar has 'Call Processing' selected. The main area shows the 'Authentication / Integrity' and 'Power Control' sections. Red boxes and numbers 1-4 highlight specific settings: 1. Call Processing, 2. Authentication / Integrity, 3. Integrity Protection (Snow 3G), 4. Power Control (All +3dB).

6. Click the “Connect” button at the Right of the screen, if necessary, turn the Airplane mode on/off in the DUT



The screenshot shows the 'Connect' button and power measurement results in the SPORTON LAB. interface. The left sidebar has 'Fundamental' selected. The main area shows the 'Power Measurement' table. Red boxes and numbers 1-6 highlight specific elements: 1. Connect button, 2. Start Call button, 3. Fundamental tab, 4. Power Measurement table, 5. Power Measurement table (repeated), 6. End Call button.

	Avg.	Max.	Min.
Total			
TX Power	22.38	22.38	22.38 dBm
PCC			
TX Power	21.85	21.85	21.85 dBm
Channel Power	21.84	21.84	21.84 dBm
SCC-1			
TX Power	13.02	13.02	13.02 dBm
Channel Power	13.02	13.02	13.02 dBm