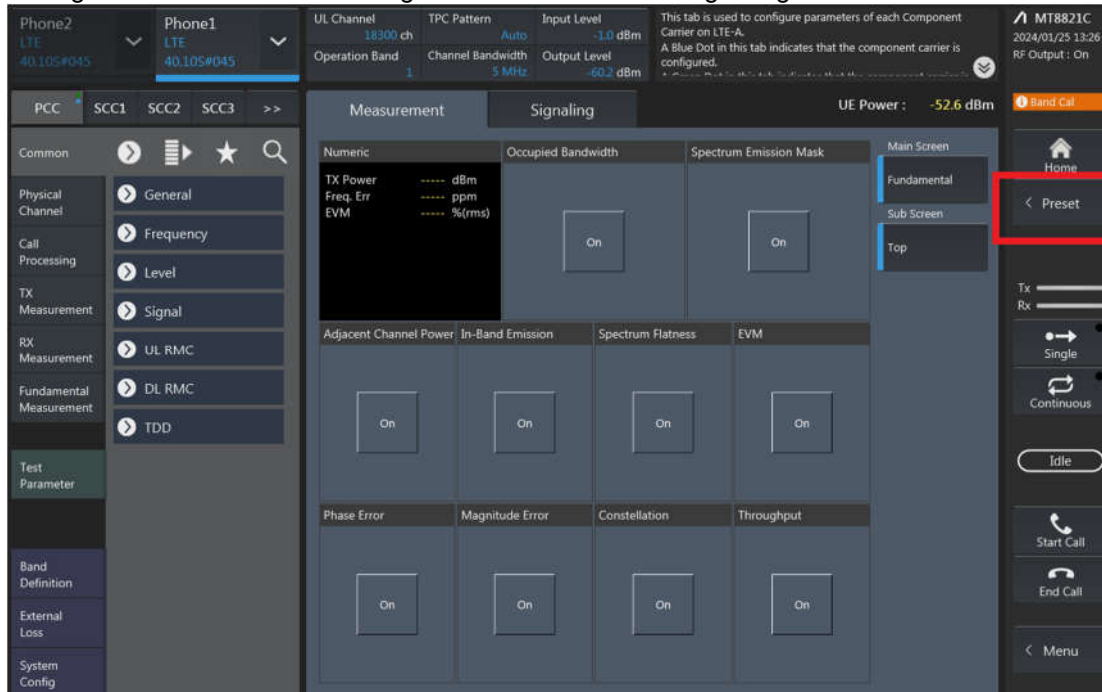


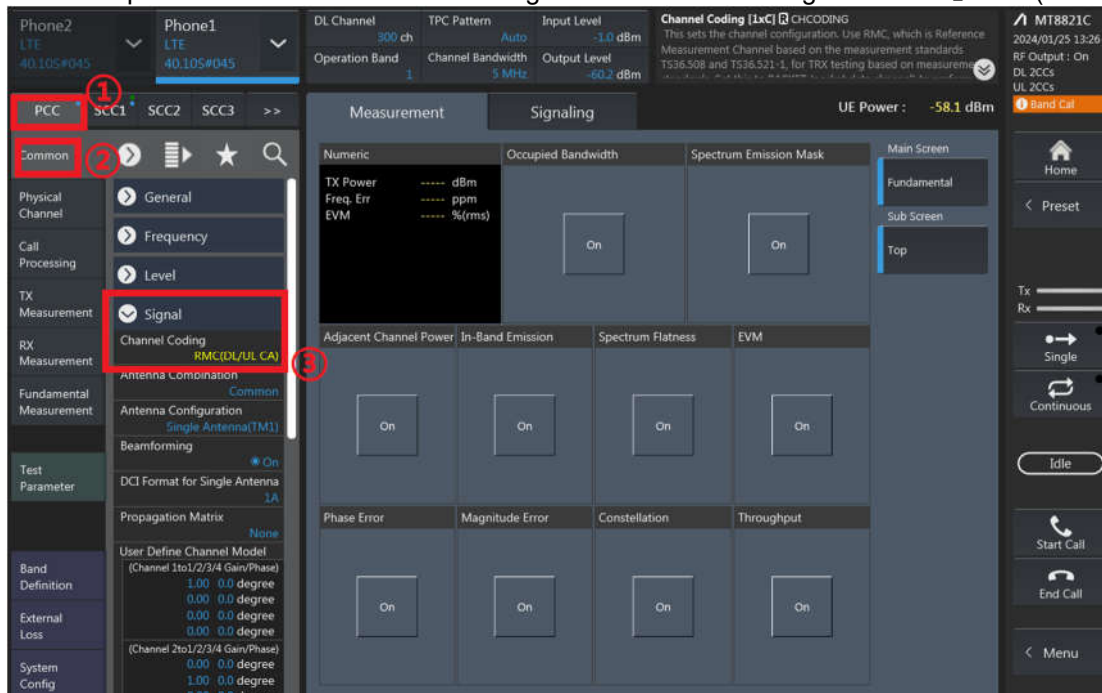
LTE Downlink Carrier Aggregation configurations:

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

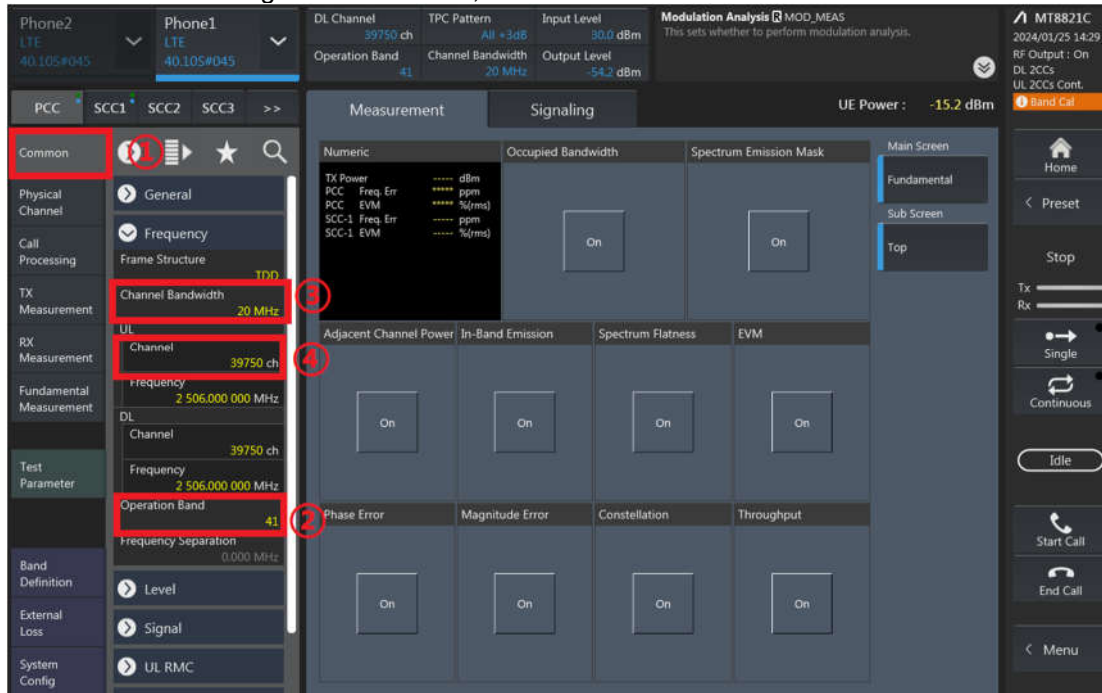


2. If Select "RMC (DL/UL CA)" for Uplink Carrier Aggregation;
If Select "RMC (DL CA)" for Downlink Carrier Aggregation.
For example, Uplink Carrier Aggregation:

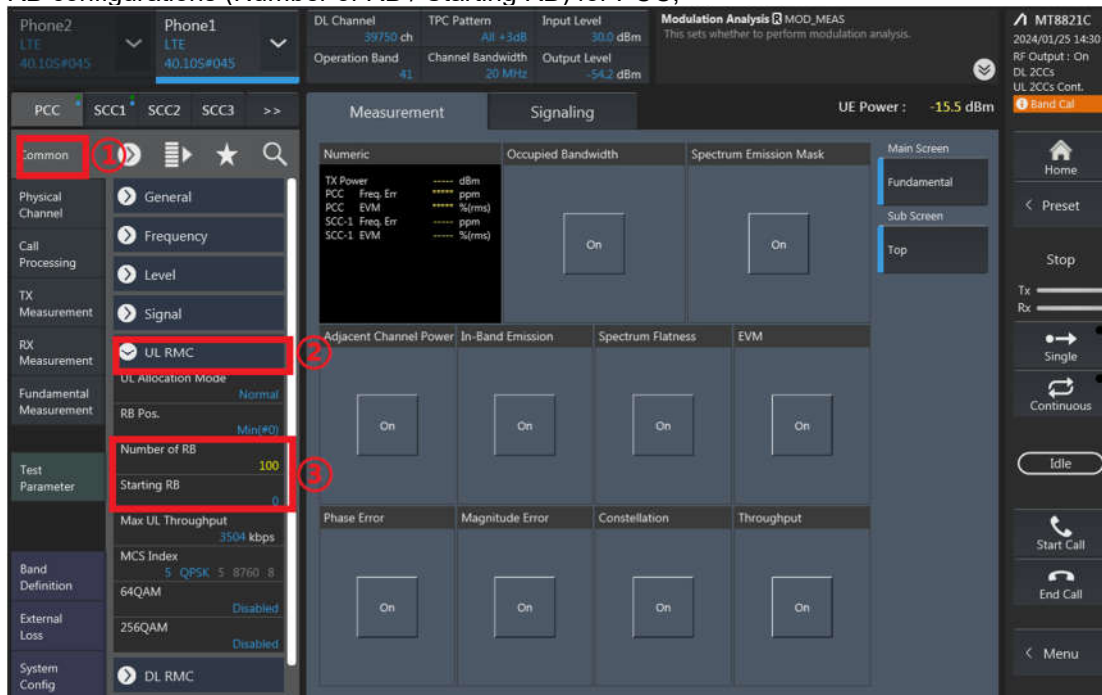
Detailed operation: PCC → Common → Signal → Channel Coding → Select 【RMC (DL/UL CA)】



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;

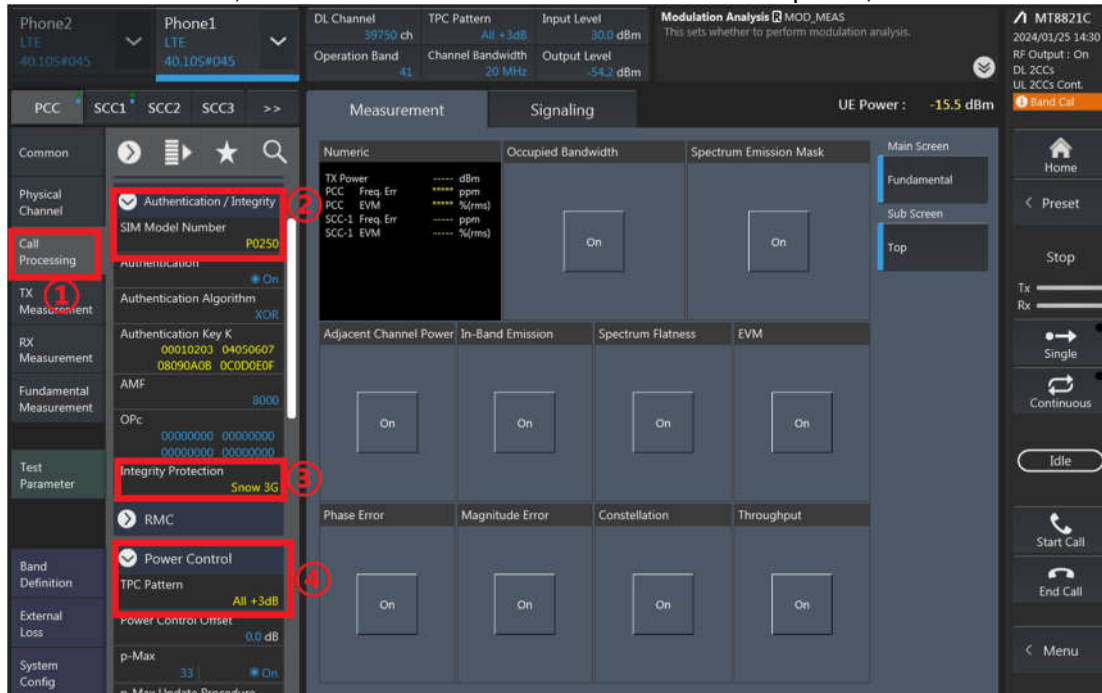


-
- The screenshot displays the MT8821C RF Tester interface, specifically the Measurement tab. The interface is organized as follows:
- Top Bar:**
 - Phone1: LTE, 40.105#045
 - Phone2: LTE, 40.105#045
 - DL Channel: 39948 ch
 - Operation Band: 41
 - Channel Bandwidth: 20 MHz
 - Output Level: -54.2 dBm
 - Activation: On
 - Output: On
 - Left Panel:**
 - Common: Play, Stop, Star, Search icons
 - Physical Channel: Frequency, Frame Structure (TDD), LAA mode, Channel Bandwidth (20 MHz), Channel (39948 ch), Frequency (2 525.800 000 MHz), DL Channel (39948 ch), Frequency (2 525.800 000 MHz), Operation Band (41), Frequency separation (0.000 MHz)
 - Band Definition
 - External Loss
 - System Config: UL RMC, RB Def
 - Main Measurement Area:**
 - Measurement Tab:**
 - Numeric: TX Power (dBm), PCC Freq. Err (ppm), PCC EVM (%/ms), SCC-1 Freq. Err (ppm), SCC-1 EVM (%/ms)
 - Occupied Bandwidth: On
 - Spectrum Emission Mask: On
 - Adjacent Channel Power: On
 - In-Band Emission: On
 - Spectrum Flatness: On
 - EVM: On
 - Phase Error: On
 - Magnitude Error: On
 - Constellation: On
 - Throughput: On
 - Signaling Tab:** (Currently inactive)
 - Right Panel:**
 - UE Power: -15.5 dBm
 - RF Output: On
 - DL 2CCs: On
 - UL 2CCs Cont.
 - Band Call
 - Home
 - Preset
 - Stop
 - Tx/Rx level indicators
 - Single/Continuous mode buttons
 - Idle button
 - Start Call/End Call buttons
 - Menu

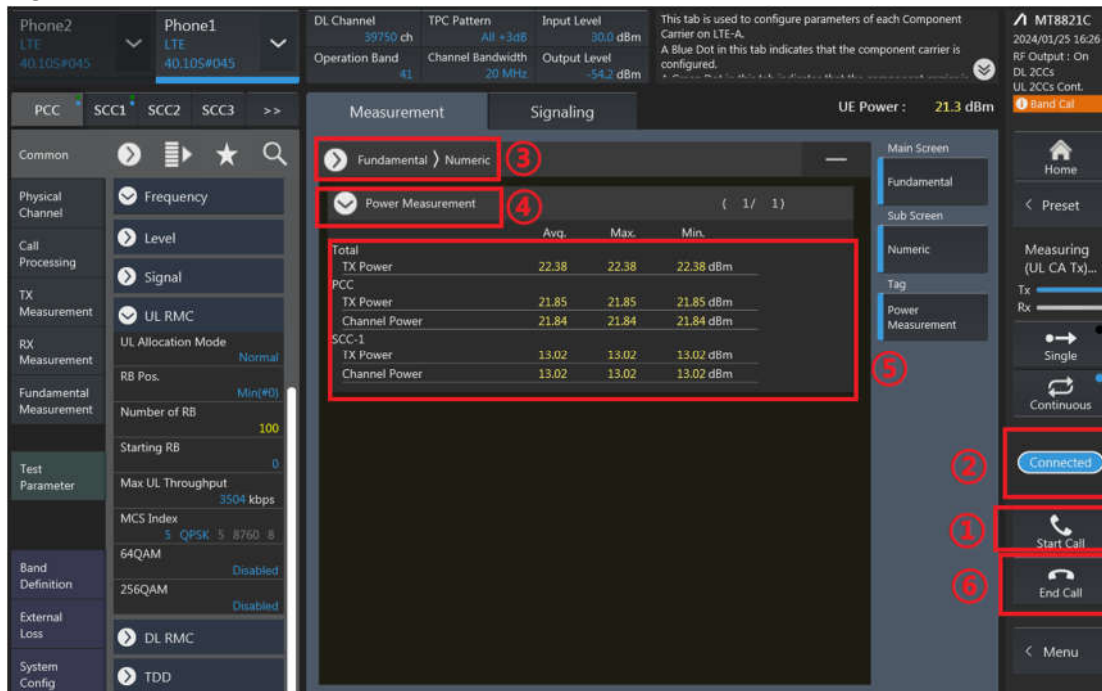
The screenshot displays the MT8821C software interface, specifically the 'UL RMC' (Uplink Resource Management Control) configuration screen. The interface is organized into several key areas:

- Top Status Bar:** Shows 'Phone2 LTE 40.10S#045' and 'Phone1 LTE 40.10S#045'. Below this, it indicates 'DL Channel 3994B ch', 'Operation Band 41', 'Channel Bandwidth 20 MHz', 'Activation On', 'Output Level -54.2 dBm', and 'Output On'. A note states: 'This tab is used to configure parameters of each Component Carrier on LTE-A. A Blue Dot in this tab indicates that the component carrier is configured.'
- Left Sidebar:** Contains navigation options: 'Common', 'Physical Channel', 'Frequency', 'Level', 'Signal', 'UL RMC' (highlighted with a red box and a red circle with the number 2), 'DL RMC', and 'TDD'. Below these are 'Band Definition', 'External Loss', and 'System Config'.
- Main Configuration Area:** Divided into 'Measurement' and 'Signaling' tabs. The 'Measurement' tab is active, showing a grid of parameters:
 - Numeric:** TX Power (dBm), PCC Freq. Err (ppm), PCC EVM (%(rms)), SCC-1 Freq. Err (ppm), SCC-1 EVM (%(rms)).
 - Occupied Bandwidth:** On
 - Spectrum Emission Mask:** On
 - Adjacent Channel Power:** On
 - In-Band Emission:** On
 - Spectrum Flatness:** On
 - EVM:** On
 - Phase Error:** On
 - Magnitude Error:** On
 - Constellation:** On
 - Throughput:** On
- Right Sidebar:** Includes 'Home', 'Preset', 'Stop', 'Tx', 'Rx', 'Single', 'Continuous', 'Idle', 'Start Call', 'End Call', and 'Menu' buttons. The 'UE Power' is displayed as -15.5 dBm.

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



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



7. The inter-band DLCA test method is similar to intra-band ULCA, and DLCA test method is similar to intra-band ULCA too.

3CA DL																							
3CA List		PCC								SCC1					SCC2						Power		
		LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL			DL	DL Antenna Configuration	With CA
		Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)		
		CA_41A-42C	Band 41	Ant 0	20M	2593	40620	QPSK	1	0		Band 42	20M	3500	42590			Band 42	20M	3519.8	42788		18.15
	Band 42	Ant 0	20M	3500	42590	QPSK	1	0			Band 42	20M	3519.8	42788			Band 41	20M	2593	40620		14.75	14.82
CA_41C-42A	Band 41	Ant 0	20M	2593	40620	QPSK	1	0			Band 41	20M	2612.8	40818			Band 42	20M	3500	42590		18.11	18.22
	Band 42	Ant 0	20M	3500	42590	QPSK	1	0			Band 41	20M	2593	40620			Band 41	20M	2612.8	40818		14.69	14.82