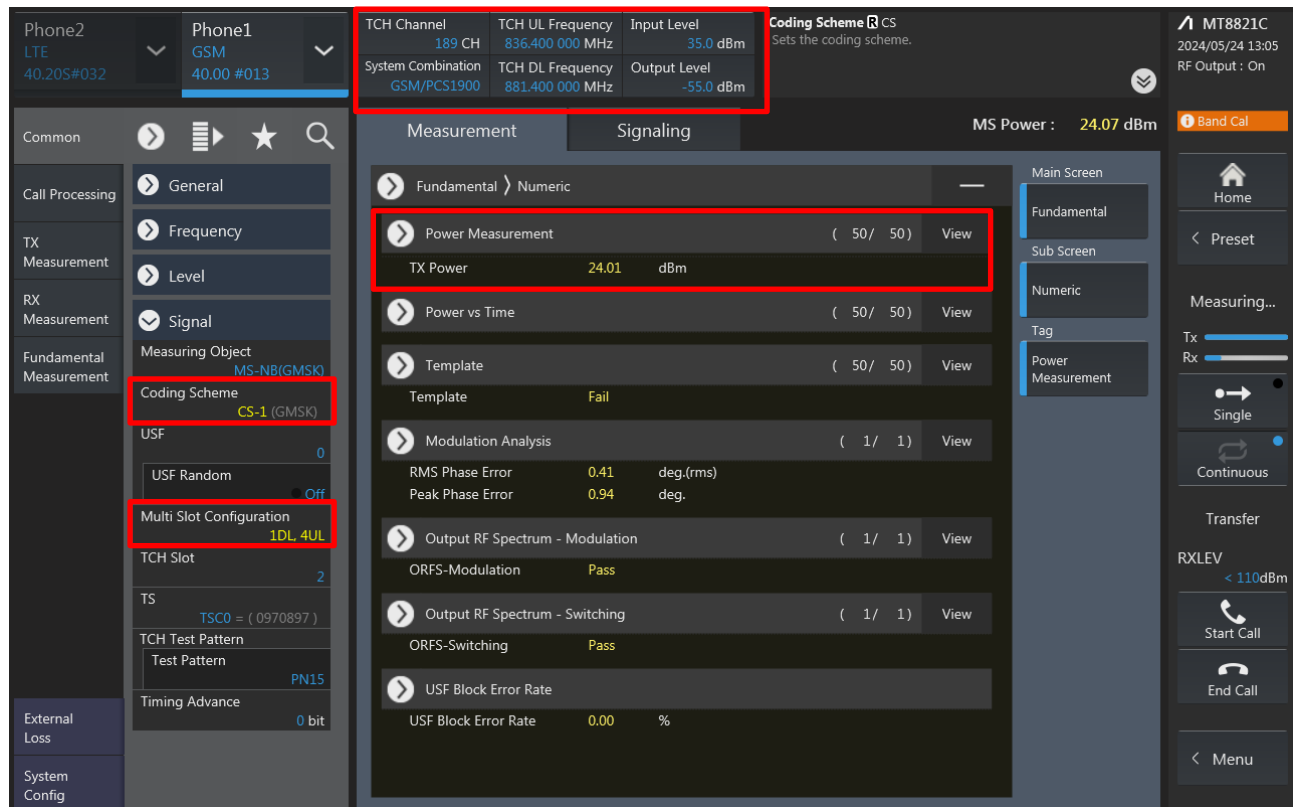


Power measurement connection diagram:

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.

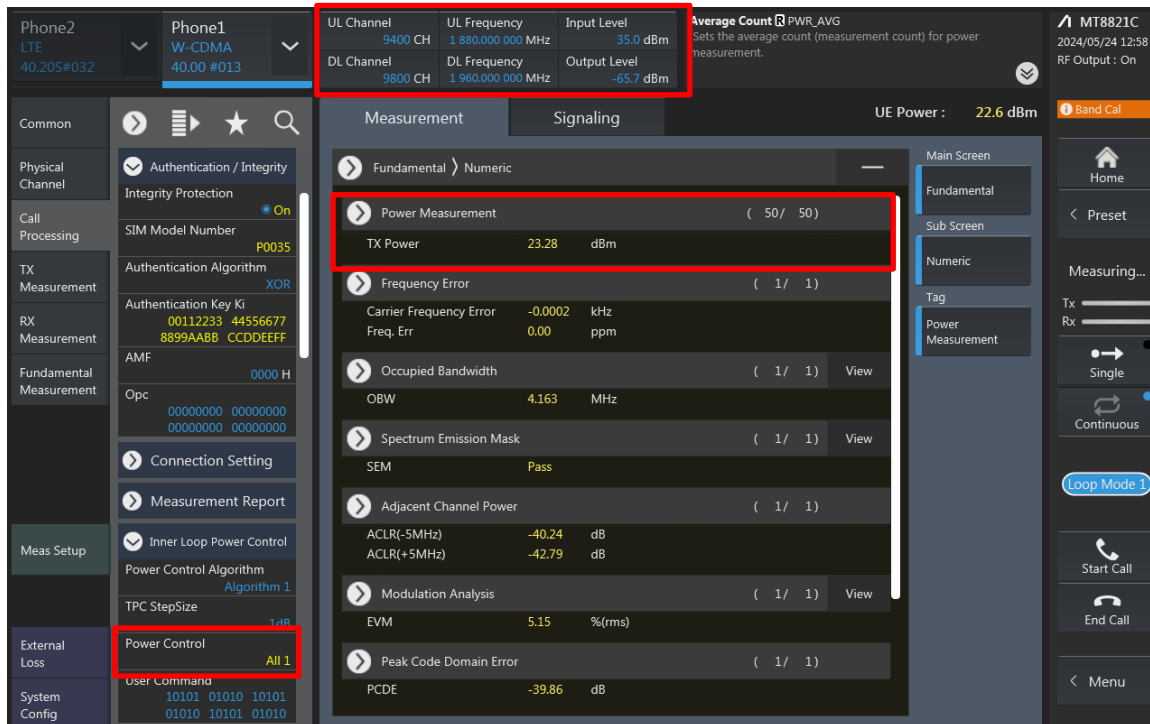
<GSM>



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). It also displays TCH Channel (189 CH), TCH UL Frequency (836.400 000 MHz), Input Level (35.0 dBm), TCH DL Frequency (881.400 000 MHz), and Output Level (-55.0 dBm). The Coding Scheme is set to CS.
- Left Sidebar:** Contains navigation options like Common, Call Processing, TX Measurement, RX Measurement, Fundamental Measurement, and External Loss. The 'Fundamental Measurement' section is expanded, showing options like General, Frequency, Level, Signal, and Coding Scheme (CS-1 (GMSK)).
- Main Area:** Displays the 'Measurement' tab with various metrics:
 - Power Measurement:** TX Power is 24.01 dBm.
 - Power vs Time:** (50/ 50) View
 - Template:** (50/ 50) View
 - Modulation Analysis:** (1/ 1) View
 - RMS Phase Error: 0.41 deg.(rms)
 - Peak Phase Error: 0.94 deg.
 - Output RF Spectrum - Modulation:** (1/ 1) View
 - ORFS-Modulation: Pass
 - Output RF Spectrum - Switching:** (1/ 1) View
 - ORFS-Switching: Pass
 - USF Block Error Rate:** USF Block Error Rate is 0.00 %
- Right Sidebar:** Shows the 'Main Screen' with options like Fundamental, Sub Screen, Numeric, and Tag. It also displays the 'MS Power' as 24.07 dBm and the 'Band Cal' status.

<WCDMA>



Phone2: LTE 40.20S#032, Phone1: W-CDMA 40.00 #013

UL Channel: 9400 CH, UL Frequency: 1 880.000 000 MHz, Input Level: 35.0 dBm, Average Count: PWR_AVG, DL Channel: 9800 CH, DL Frequency: 1 960.000 000 MHz, Output Level: -65.7 dBm

UE Power: 22.6 dBm

Measurement: Fundamental > Numeric

Power Measurement (50/50): TX Power 23.28 dBm

Frequency Error (1/1): Carrier Frequency Error -0.0002 kHz, Freq. Err 0.00 ppm

Occupied Bandwidth (1/1): OBW 4.163 MHz

Spectrum Emission Mask (1/1): SEM Pass

Adjacent Channel Power (1/1): ACLR(-5MHz) -40.24 dB, ACLR(+5MHz) -42.79 dB

Modulation Analysis (1/1): EVM 5.15 %(rms)

Peak Code Domain Error (1/1): PCDE -39.86 dB

Connection Setting: Authentication / Integrity, Integrity Protection On, SIM Model Number P0035, Authentication Algorithm XOR, Authentication Key Ki 00112233 44556677 8899AABB CCDDDEFF, AMF 0000 H, Opc 00000000 00000000 00000000 00000000

Measurement Report: Connection Setting, Measurement Report

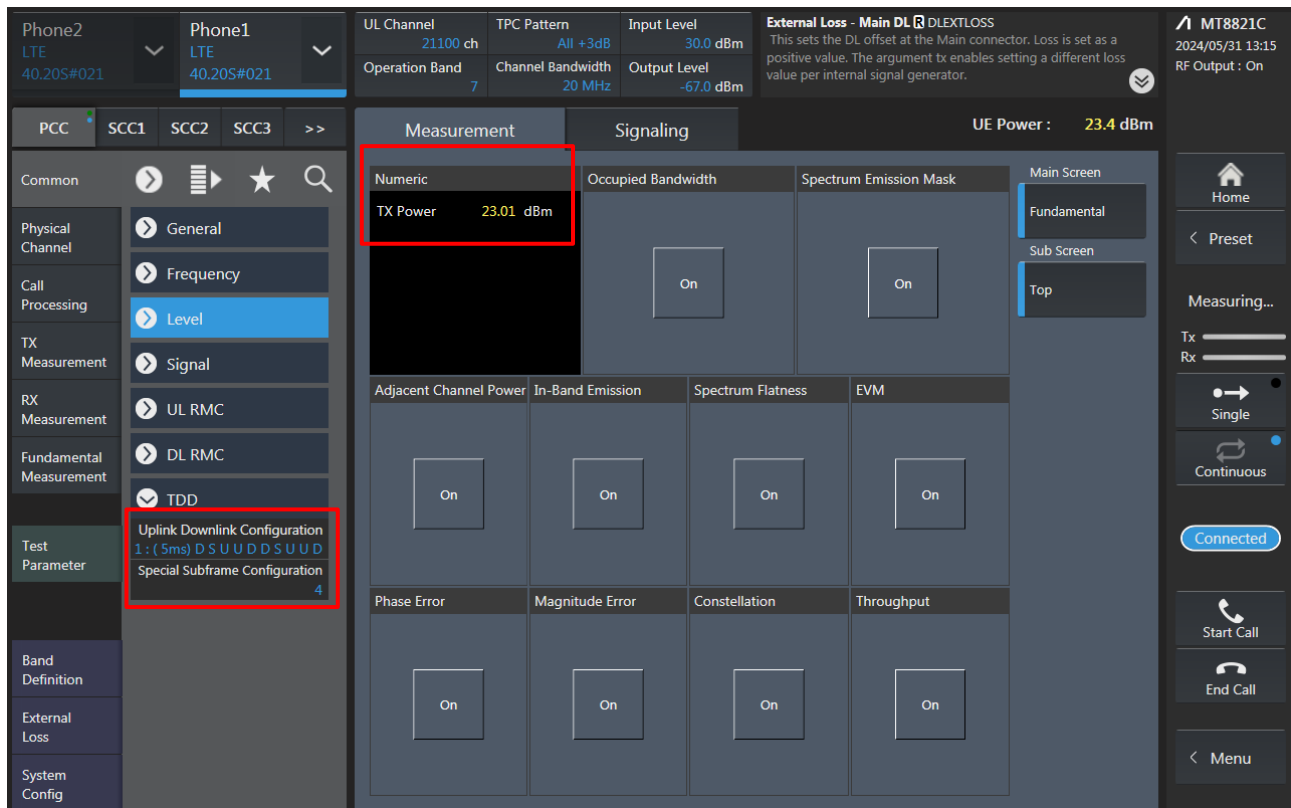
Meas Setup: Inner Loop Power Control, Power Control Algorithm Algorithm 1, TPC StepSize 1

External Loss: Power Control All 1

User Command: 10101 01010 10101 01010 10101 01010

MT8821C 2024/05/24 12:58, RF Output: On

<LTE>



Phone2: LTE 40.20S#021, Phone1: LTE 40.20S#021

UL Channel: 21100 ch, TPC Pattern All +3dB, Input Level: 30.0 dBm, External Loss - Main DL DLEXTLOSS, Operation Band 7, Channel Bandwidth 20 MHz, Output Level: -67.0 dBm

UE Power: 23.4 dBm

Measurement: Numeric

TX Power 23.01 dBm

Occupied Bandwidth: On

Spectrum Emission Mask: On

Adjacent Channel Power: On

In-Band Emission: On

Spectrum Flatness: On

EVM: On

Phase Error: On

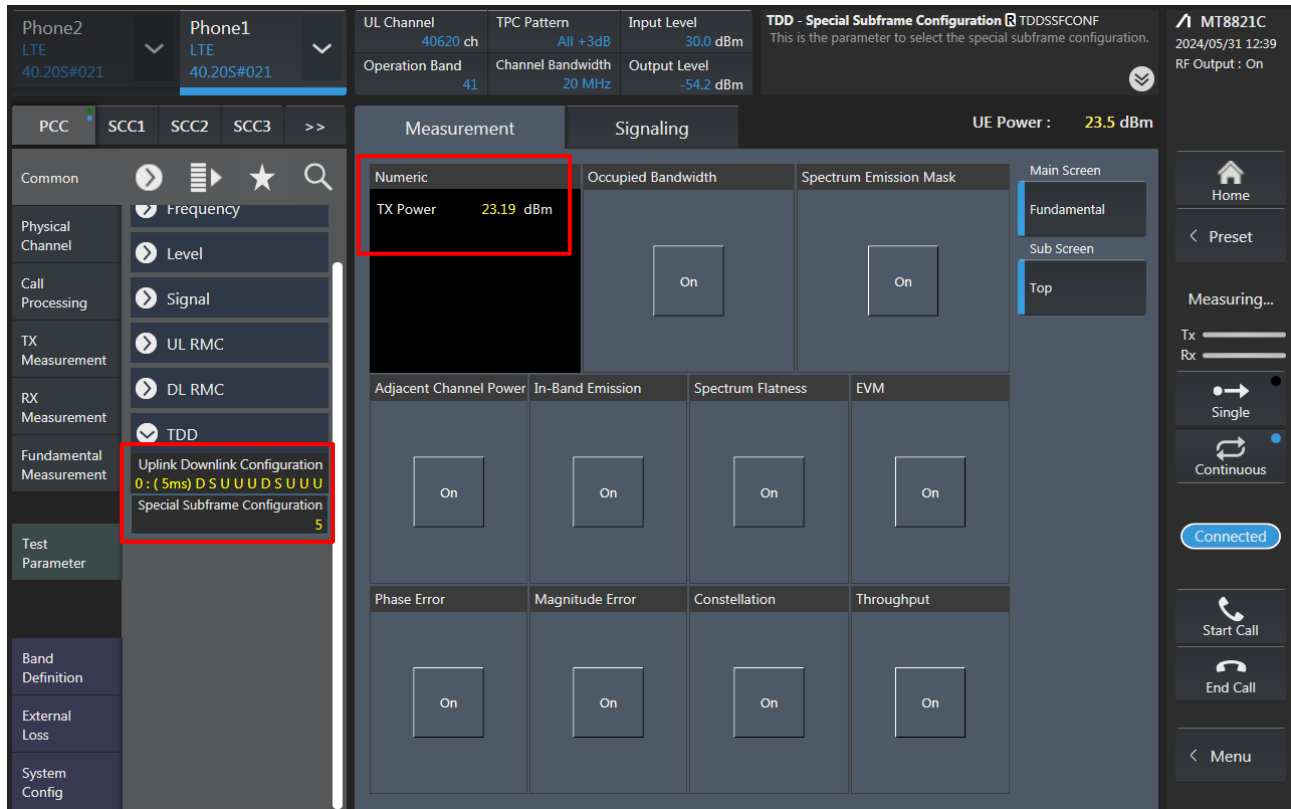
Magnitude Error: On

Constellation: On

Throughput: On

Test Parameter: Uplink Downlink Configuration 1: (5ms) D S U U D D S U U D, Special Subframe Configuration 4

MT8821C 2024/05/31 13:15, RF Output: On

<LTE TDD Power class 3>

Phone2 LTE 40.20S#021 Phone1 LTE 40.20S#021

UL Channel 40620 ch TPC Pattern All +3dB Input Level 30.0 dBm

Operation Band 41 Channel Bandwidth 20 MHz Output Level -54.2 dBm

TDD - Special Subframe Configuration TDDSSFCNF This is the parameter to select the special subframe configuration.

MT8821C 2024/05/31 12:39 RF Output : On

UE Power : 23.5 dBm

Measurement Signaling

Numeric TX Power 23.19 dBm

Occupied Bandwidth Spectrum Emission Mask

On On

Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

On On On On

Phase Error Magnitude Error Constellation Throughput

On On On On

Fundamental Measurement

Uplink Downlink Configuration 0: (5ms) D S U U U D S U U U

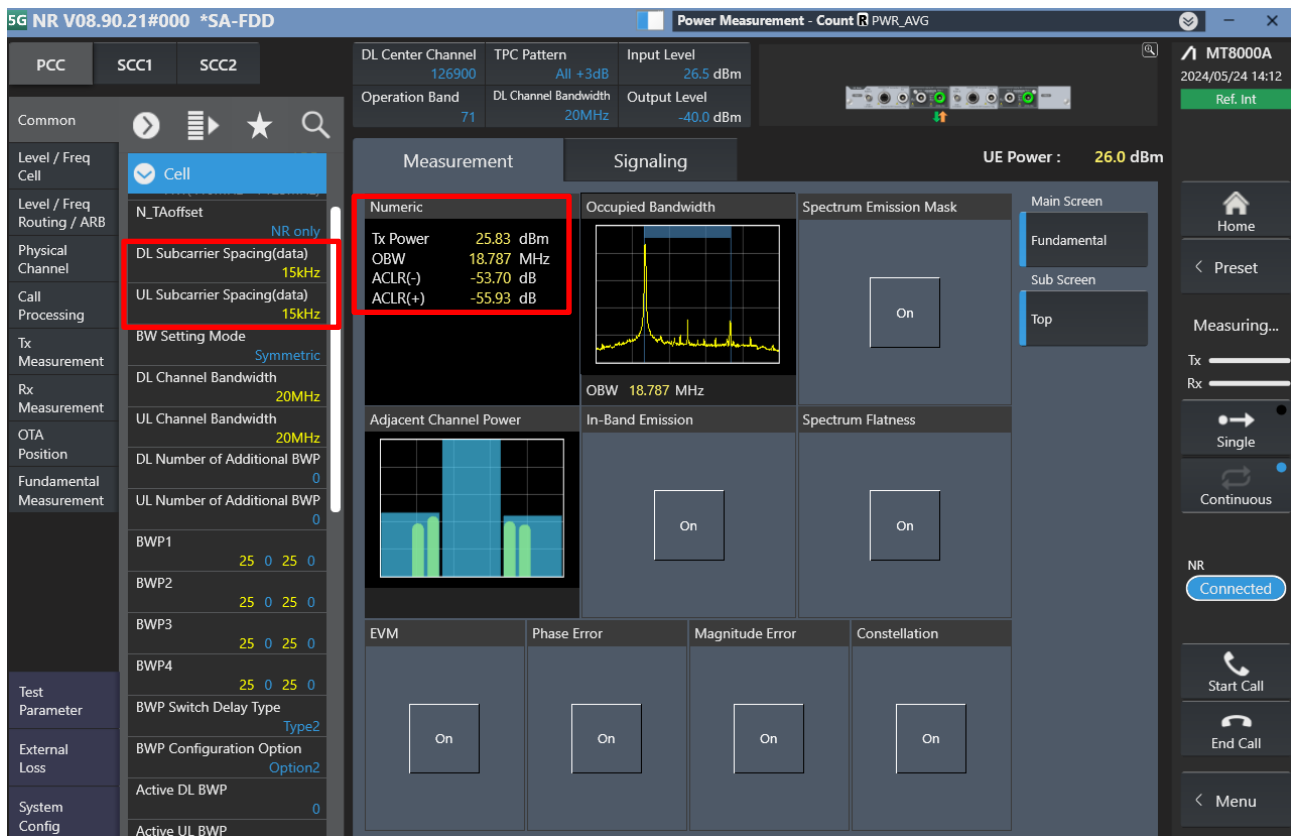
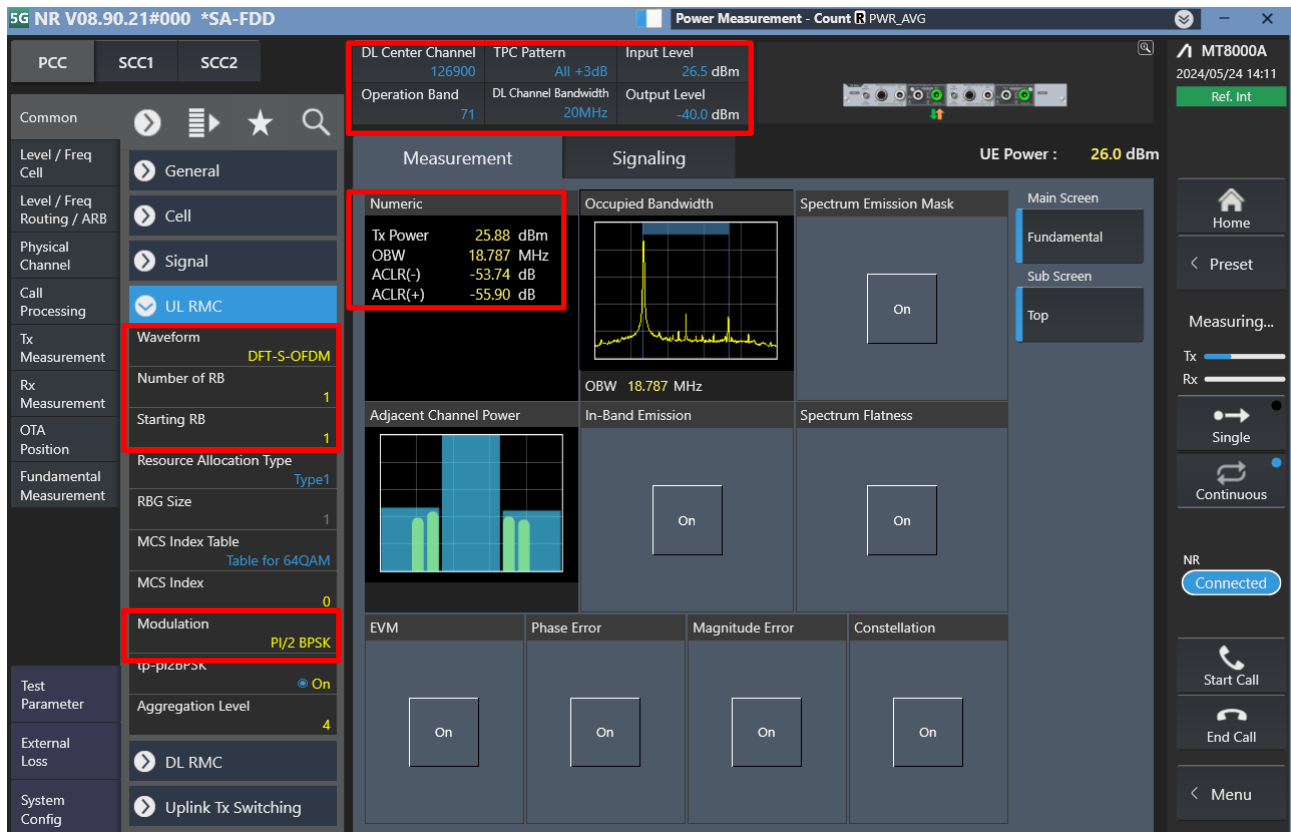
Special Subframe Configuration 5

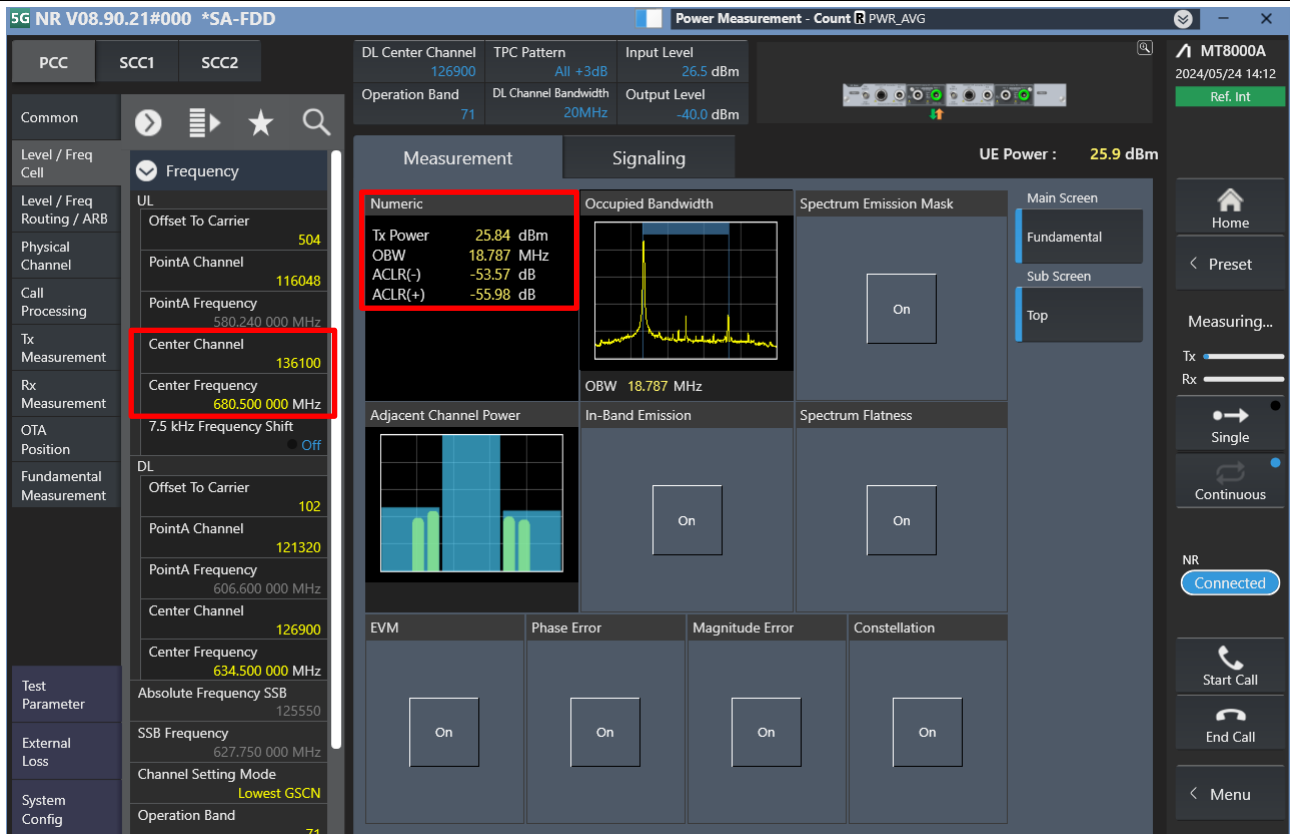
Main Screen Fundamental Sub Screen Top

Connected

Start Call End Call Menu

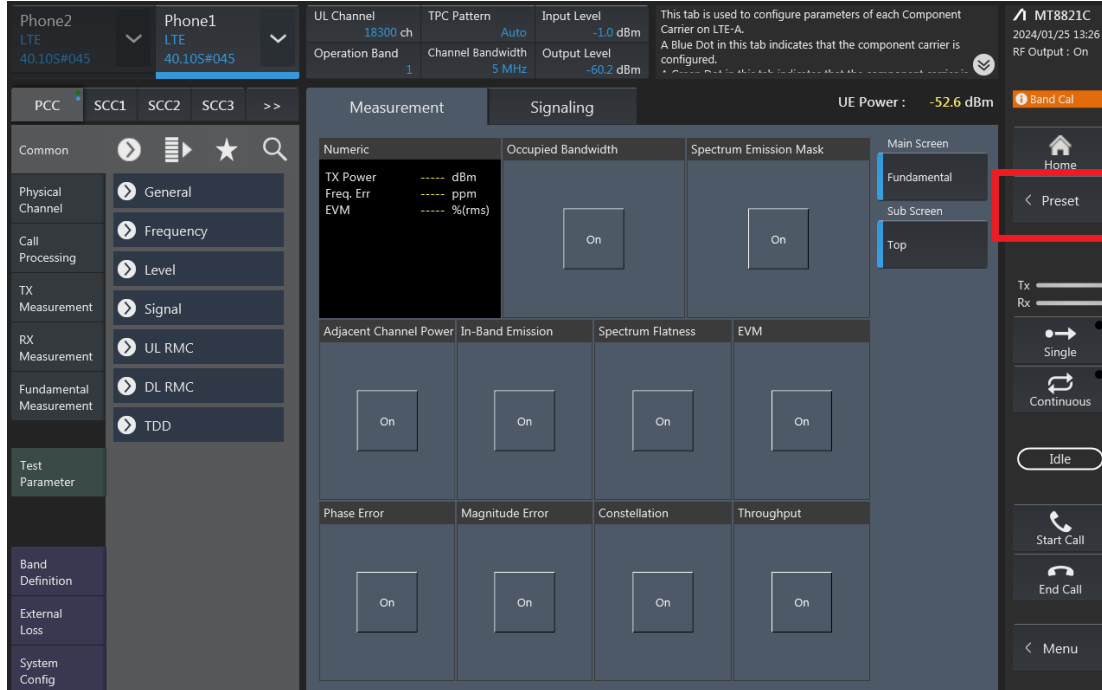
<5G NR FR1>





LTE Uplink and Downlink Carrier Aggregation configurations:

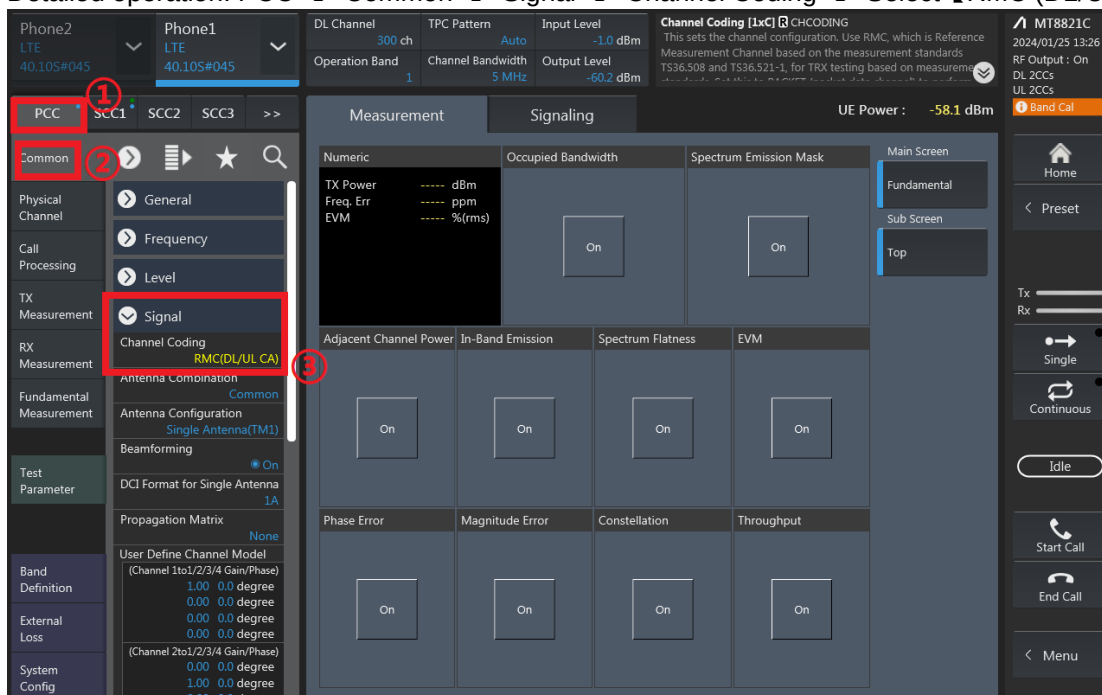
1. Change the Scenario in the Configuration of Phone1 LTE Signaling and Preset.



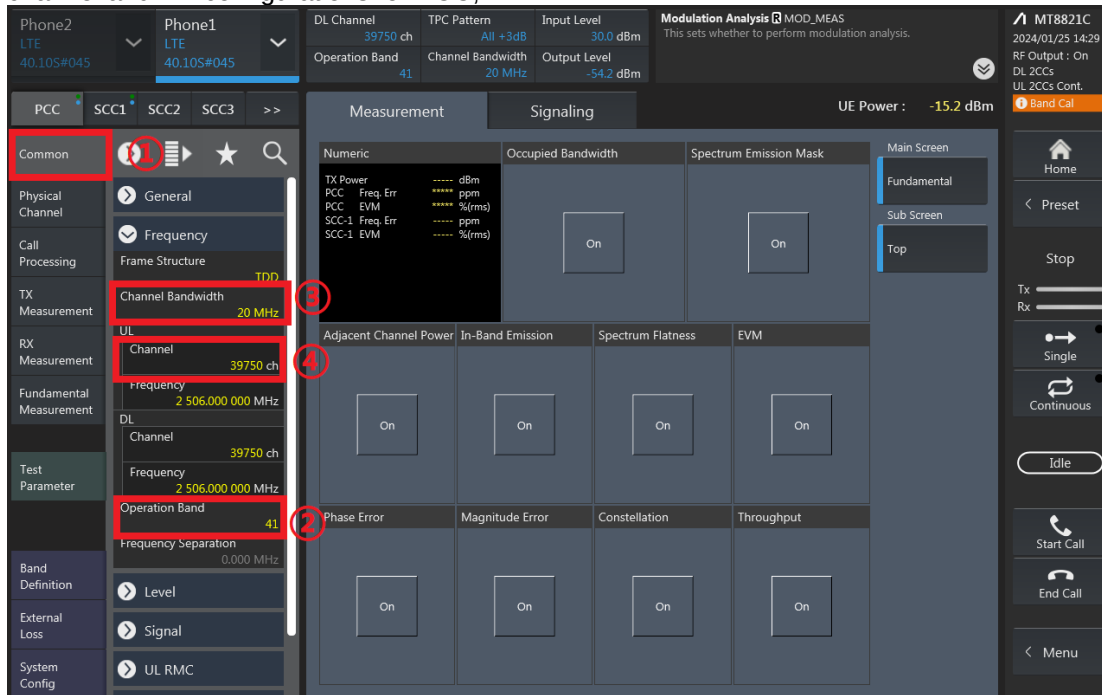
2. If Select "RMC (DL/UL CA)" for Uplink Carrier Aggregation;
If Select "RMC (DL CA)" for Downlink Carrier Aggregation.

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;



Phone2 LTE 40.10S#045 Phone1 LTE 40.10S#045

DL Channel 39750 ch TPC Pattern All +3dB Input Level 30.0 dBm Modulation Analysis MOD_MEAS This sets whether to perform modulation analysis.

Operation Band 41 Channel Bandwidth 20 MHz Output Level -54.2 dBm

MT8821C 2024/01/25 14:29 RF Output : On DL 2CCs UL 2CCs Cont.

PCC SCC1 SCC2 SCC3 >>

Measurement Signaling UE Power : -15.2 dBm

Common

Physical Channel General

Call Processing Frequency

TX Measurement Channel Bandwidth 20 MHz

RX Measurement Channel 39750 ch

Fundamental Measurement Frequency 2 506.000 000 MHz

Test Parameter Channel 39750 ch Frequency 2 506.000 000 MHz Operation Band 41 Frequency Separation 0.000 MHz

Band Definition Level

External Loss Signal

System Config UL RMC

Numeric Occupied Bandwidth Spectrum Emission Mask

TX Power PCC Freq. Err. dBm PCC EVM ppm SCC-1 Freq. Err. ppm SCC-1 EVM ppm

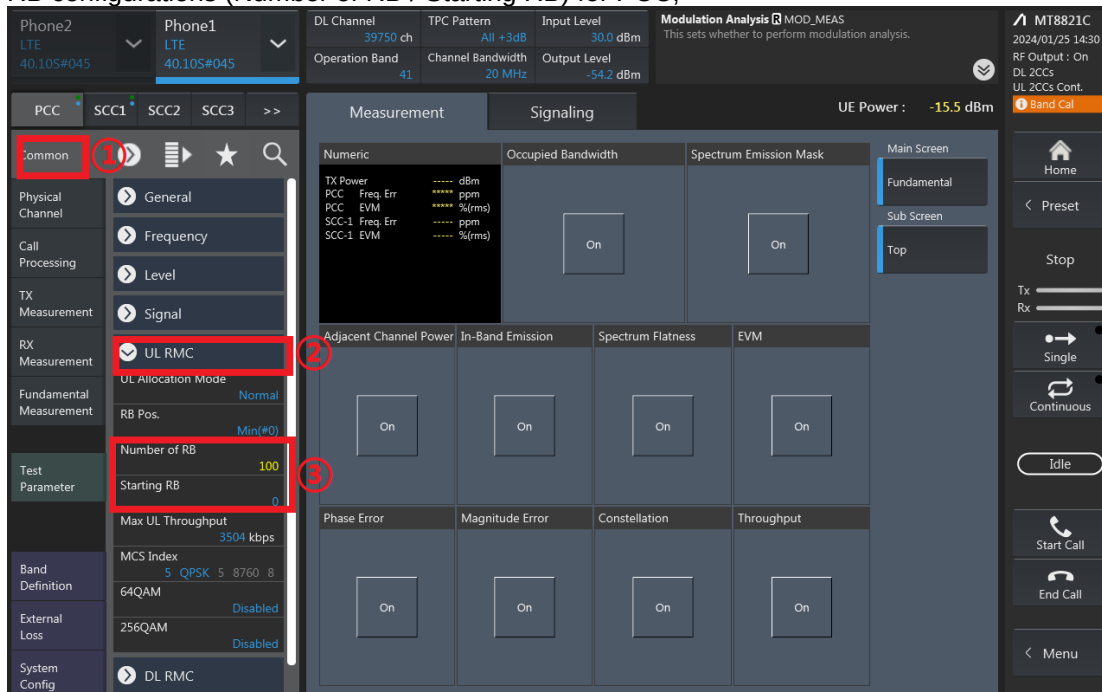
Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

Phase Error Magnitude Error Constellation Throughput

Main Screen Fundamental Sub Screen Top

Home Preset Stop Tx Rx Single Continuous Idle Start Call End Call Menu

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



Phone2 LTE 40.10S#045 Phone1 LTE 40.10S#045

DL Channel 39750 ch TPC Pattern All +3dB Input Level 30.0 dBm Modulation Analysis MOD_MEAS This sets whether to perform modulation analysis.

Operation Band 41 Channel Bandwidth 20 MHz Output Level -54.2 dBm

MT8821C 2024/01/25 14:30 RF Output : On DL 2CCs UL 2CCs Cont.

PCC SCC1 SCC2 SCC3 >>

Measurement Signaling UE Power : -15.5 dBm

Common

Physical Channel General

Call Processing Frequency

TX Measurement Level

RX Measurement Signal

Fundamental Measurement UL RMC

Test Parameter UL Allocation Mode Normal RB Pos. Min(#0) Number of RB 100 Starting RB 0 Max UL Throughput 3504 kbps MCS Index 5 QPSK 5 8760 8 64QAM 256QAM Disabled Disabled

Band Definition DL RMC

Numeric Occupied Bandwidth Spectrum Emission Mask

TX Power PCC Freq. Err. dBm PCC EVM ppm SCC-1 Freq. Err. ppm SCC-1 EVM ppm

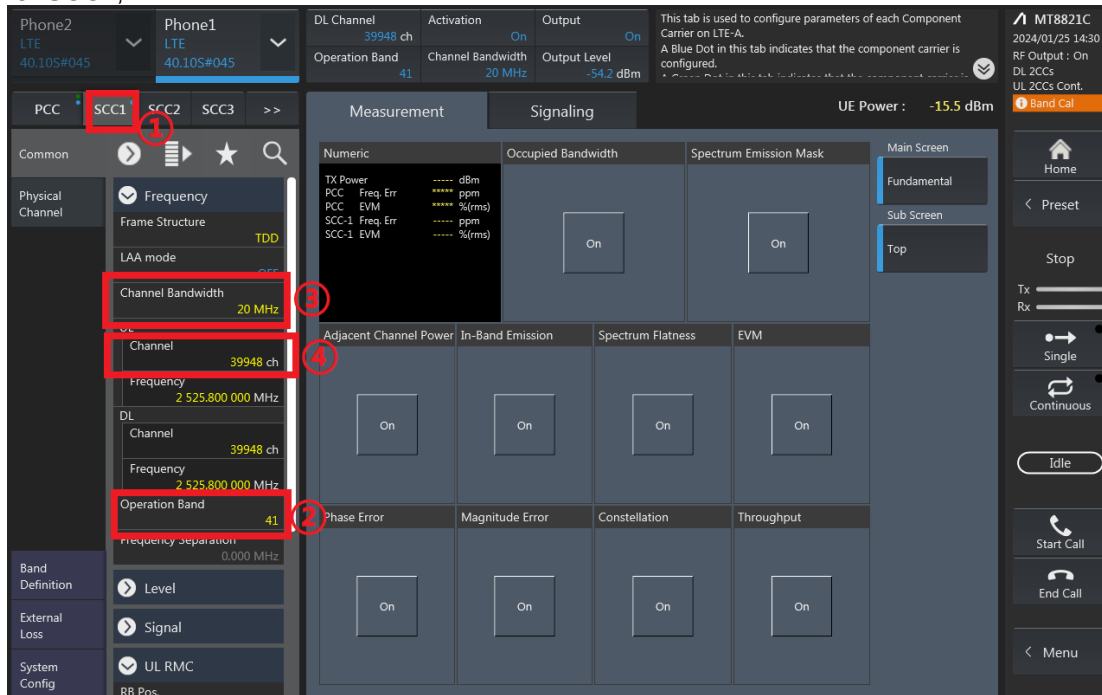
Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

Phase Error Magnitude Error Constellation Throughput

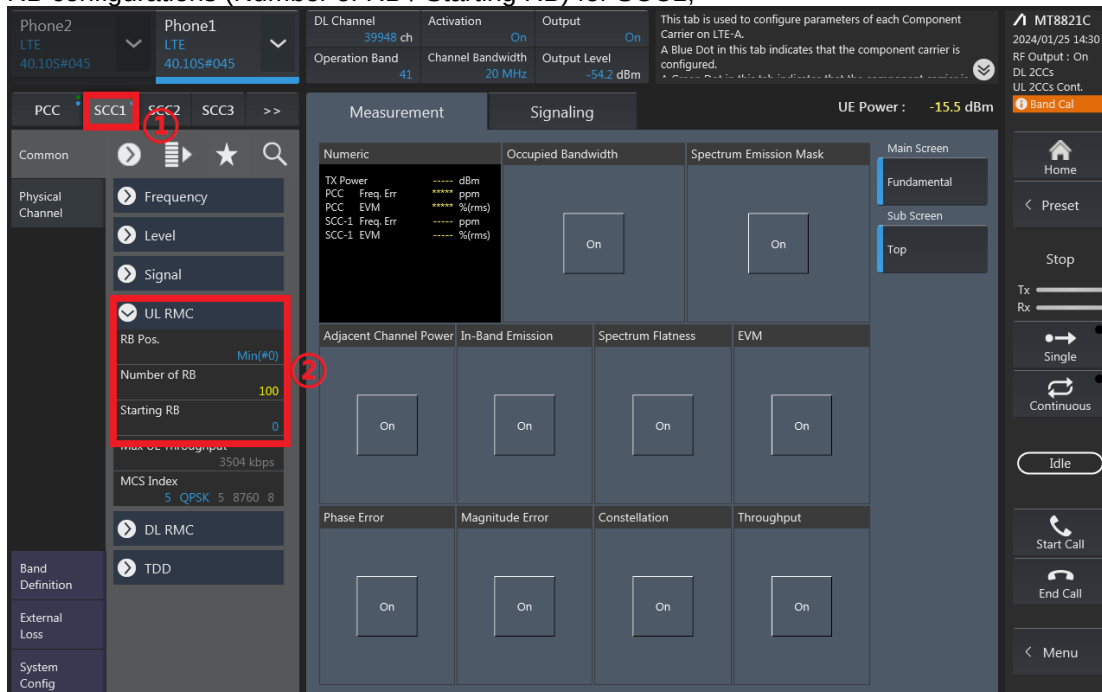
Main Screen Fundamental Sub Screen Top

Home Preset Stop Tx Rx Single Continuous Idle Start Call End Call Menu

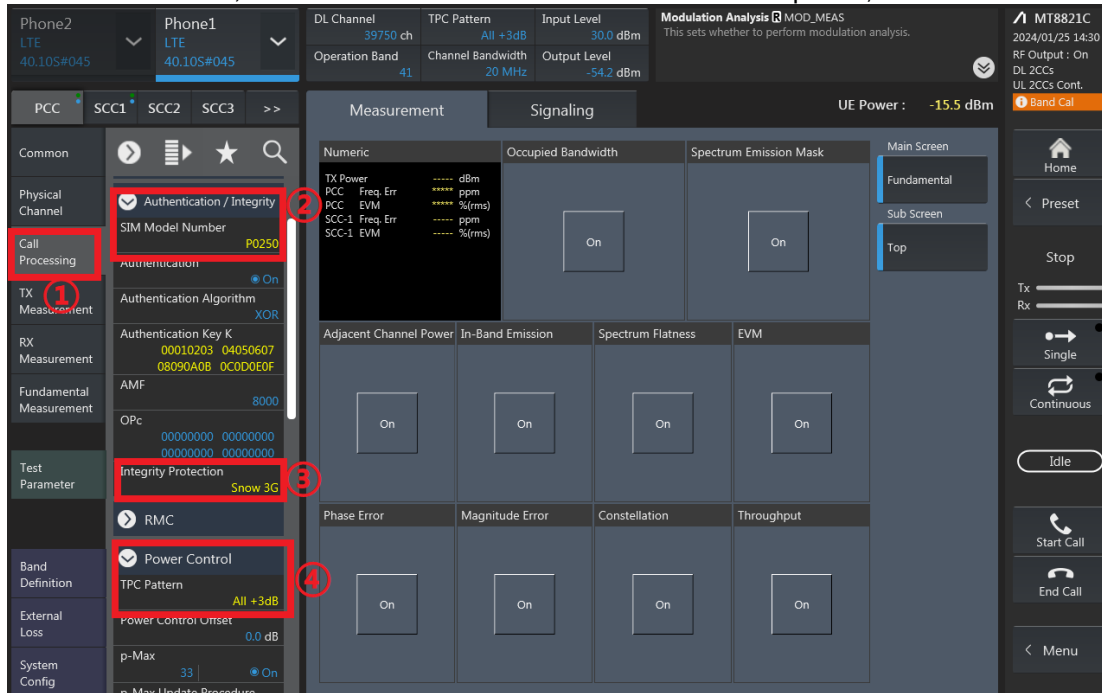
4. SCC parameter Settings: Select the SCC1 tab, Set operating band, BW, channel, and RB configurations for SCC1;



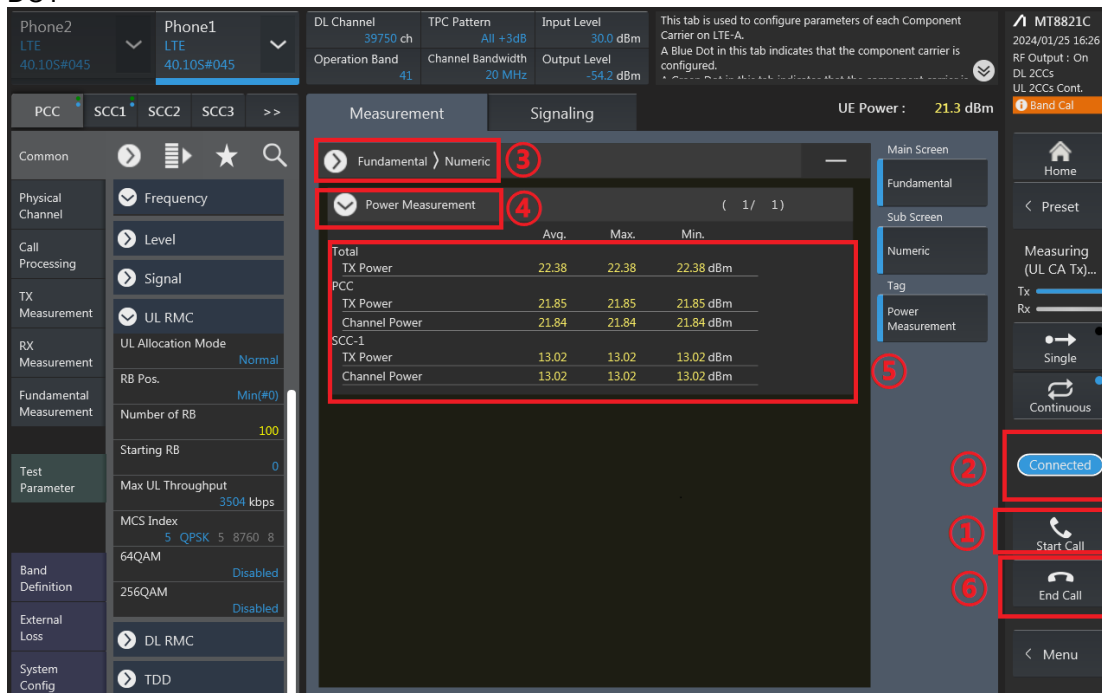
RB configurations (Number of RB / Starting RB) for SCC1;



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



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

Intra-Band and Inter-Band Power Measurement

【CA_7C_Ant 4_DSI 1】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	16.13	17.20
21100	20902	QPSK	1	99	1	0	16.18	17.20
21350	21152	QPSK	1	0	1	99	16.04	17.20

【CA_7C_Ant 4_DSI 3】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	17.75	18.70
21100	20902	QPSK	1	99	1	0	17.83	18.70
21350	21152	QPSK	1	0	1	99	17.76	18.70

【CA_7C_Ant 4_DSI 4】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	23.91	24.70
21100	20902	QPSK	1	99	1	0	24.13	24.70
21350	21152	QPSK	1	0	1	99	24.03	24.70

【CA_7C_Ant 4_DSI 5】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	16.13	17.20
21100	20902	QPSK	1	99	1	0	16.18	17.20
21350	21152	QPSK	1	0	1	99	16.04	17.20

【CA_7C_Ant 4_Full Power】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	23.91	24.70
21100	20902	QPSK	1	99	1	0	24.13	24.70
21350	21152	QPSK	1	0	1	99	24.03	24.70

【CA_7C_Ant 5_DSI 1】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	15.59	16.70
21100	20902	QPSK	1	99	1	0	15.63	16.70
21350	21152	QPSK	1	0	1	99	15.60	16.70

【CA_7C_Ant 5_DSI 3】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	17.99	19.20
21100	20902	QPSK	1	99	1	0	18.01	19.20
21350	21152	QPSK	1	0	1	99	17.83	19.20

【CA_7C_Ant 5_DSI 4】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	22.68	24.20
21100	20902	QPSK	1	99	1	0	22.70	24.20
21350	21152	QPSK	1	0	1	99	22.63	24.20

【CA_7C_Ant 5_DSI 5】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	15.59	16.70
21100	20902	QPSK	1	99	1	0	15.63	16.70
21350	21152	QPSK	1	0	1	99	15.60	16.70

【CA_7C_Ant 5_Full Power】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	23.50	24.70
21100	20902	QPSK	1	99	1	0	23.47	24.70
21350	21152	QPSK	1	0	1	99	23.49	24.70

【CA_7C_Ant 6_DSI 1】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	23.54	24.50
21100	20902	QPSK	1	99	1	0	23.58	24.50
21350	21152	QPSK	1	0	1	99	23.61	24.50

【CA_7C_Ant 6_DSI 3】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	19.05	20.00
21100	20902	QPSK	1	99	1	0	19.08	20.00
21350	21152	QPSK	1	0	1	99	19.06	20.00

【CA_7C_Ant 6_DSI 4】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	19.05	20.00
21100	20902	QPSK	1	99	1	0	19.08	20.00
21350	21152	QPSK	1	0	1	99	19.06	20.00

【CA_7C_Ant 6_DSI 5】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	19.05	20.00
21100	20902	QPSK	1	99	1	0	19.08	20.00
21350	21152	QPSK	1	0	1	99	19.06	20.00

【CA_7C_Ant 6_Full Power】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	23.54	24.50
21100	20902	QPSK	1	99	1	0	23.58	24.50
21350	21152	QPSK	1	0	1	99	23.61	24.50

【CA_7C_Ant 7_DSI 1】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	15.94	17.50
21100	20902	QPSK	1	99	1	0	15.96	17.50
21350	21152	QPSK	1	0	1	99	15.99	17.50

【CA_7C_Ant 7_DSI 3】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	18.11	19.50
21100	20902	QPSK	1	99	1	0	18.05	19.50
21350	21152	QPSK	1	0	1	99	18.01	19.50

【CA_7C_Ant 7_DSI 4】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	18.11	19.50
21100	20902	QPSK	1	99	1	0	18.05	19.50
21350	21152	QPSK	1	0	1	99	18.01	19.50

【CA_7C_Ant 7_DSI 5】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	15.94	17.50
21100	20902	QPSK	1	99	1	0	15.96	17.50
21350	21152	QPSK	1	0	1	99	15.99	17.50

【CA_7C_Ant 7_Full Power】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	99	1	0	23.53	
21100	20902	QPSK	1	99	1	0	23.56	
21350	21152	QPSK	1	0	1	99	23.51	

【CA_38C_Ant 4_DSI 1】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	17.81	18.20
37901	38099	QPSK	1	99	1	0	17.85	18.20
38150	37952	QPSK	1	0	1	99	17.79	18.20

【CA_38C_Ant 4_DSI 3】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	20.01	20.70
37901	38099	QPSK	1	99	1	0	20.08	20.70
38150	37952	QPSK	1	0	1	99	20.15	20.70

【CA_38C_Ant 4_DSI 4】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	23.93	24.70
37901	38099	QPSK	1	99	1	0	24.05	24.70
38150	37952	QPSK	1	0	1	99	24.01	24.70

【CA_38C_Ant 4_DSI 5】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	17.81	18.20
37901	38099	QPSK	1	99	1	0	17.85	18.20
38150	37952	QPSK	1	0	1	99	17.79	18.20

【CA_38C_Ant 4_Full Power】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	23.93	24.70
37901	38099	QPSK	1	99	1	0	24.05	24.70
38150	37952	QPSK	1	0	1	99	24.01	24.70

【CA_38C_Ant 5_DSI 1】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	17.03	17.70
37901	38099	QPSK	1	99	1	0	17.05	17.70
38150	37952	QPSK	1	0	1	99	16.97	17.70

【CA_38C_Ant 5_DSI 3】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	19.94	20.70
37901	38099	QPSK	1	99	1	0	20.01	20.70
38150	37952	QPSK	1	0	1	99	19.99	20.70

【CA_38C_Ant 5_DSI 4】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	23.97	24.70
37901	38099	QPSK	1	99	1	0	24.05	24.70
38150	37952	QPSK	1	0	1	99	24.01	24.70

【CA_38C_Ant 5_DSI 5】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	17.03	17.70
37901	38099	QPSK	1	99	1	0	17.05	17.70
38150	37952	QPSK	1	0	1	99	16.97	17.70

【CA_38C_Ant 5_Full Power】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	23.97	24.70
37901	38099	QPSK	1	99	1	0	24.05	24.70
38150	37952	QPSK	1	0	1	99	24.01	24.70

【CA_38C_Ant 6_DSI 1】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	23.42	24.50
37901	38099	QPSK	1	99	1	0	23.52	24.50
38150	37952	QPSK	1	0	1	99	23.46	24.50

【CA_38C_Ant 6_DSI 3】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	21.48	22.00
37901	38099	QPSK	1	99	1	0	21.53	22.00
38150	37952	QPSK	1	0	1	99	21.52	22.00

【CA_38C_Ant 6_DSI 4】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	21.48	22.00
37901	38099	QPSK	1	99	1	0	21.53	22.00
38150	37952	QPSK	1	0	1	99	21.52	22.00

【CA_38C_Ant 6_DSI 5】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	21.48	22.00
37901	38099	QPSK	1	99	1	0	21.53	22.00
38150	37952	QPSK	1	0	1	99	21.52	22.00

【CA_38C_Ant 6_Full Power】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	23.42	24.50
37901	38099	QPSK	1	99	1	0	23.52	24.50
38150	37952	QPSK	1	0	1	99	23.46	24.50

【CA_38C_Ant 7_DSI 1】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	18.29	19.50
37901	38099	QPSK	1	99	1	0	18.31	19.50
38150	37952	QPSK	1	0	1	99	18.38	19.50

【CA_38C_Ant 7_DSI 3】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	21.07	22.00
37901	38099	QPSK	1	99	1	0	21.06	22.00
38150	37952	QPSK	1	0	1	99	21.02	22.00

【CA_38C_Ant 7_DSI 4】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	21.07	22.00
37901	38099	QPSK	1	99	1	0	21.06	22.00
38150	37952	QPSK	1	0	1	99	21.02	22.00

【CA_38C_Ant 7_DSI 5】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	18.29	19.50
37901	38099	QPSK	1	99	1	0	18.31	19.50
38150	37952	QPSK	1	0	1	99	18.38	19.50

【CA_38C_Ant 7_Full Power】

Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
37850	38048	QPSK	1	99	1	0	23.36	24.50
37901	38099	QPSK	1	99	1	0	23.38	24.50
38150	37952	QPSK	1	0	1	99	23.46	24.50