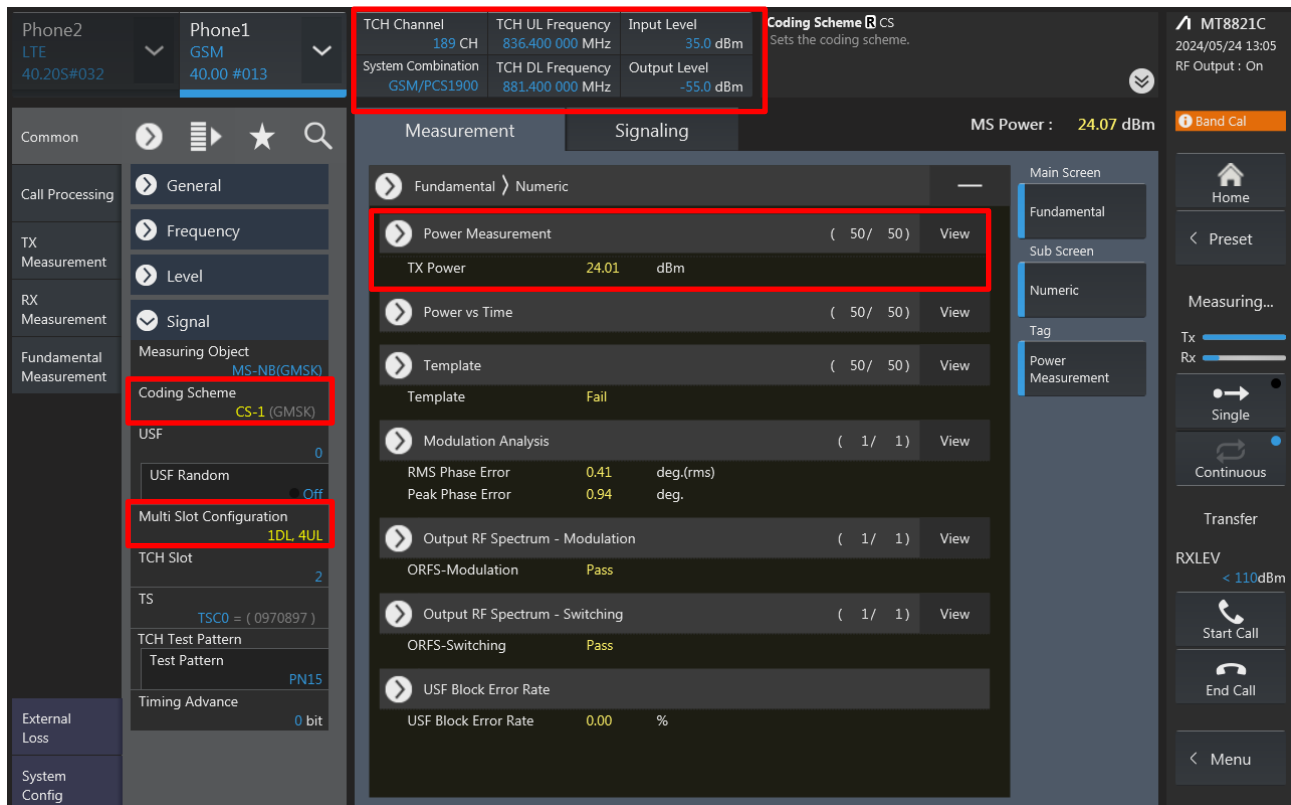


Power measurement connection diagram:

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.

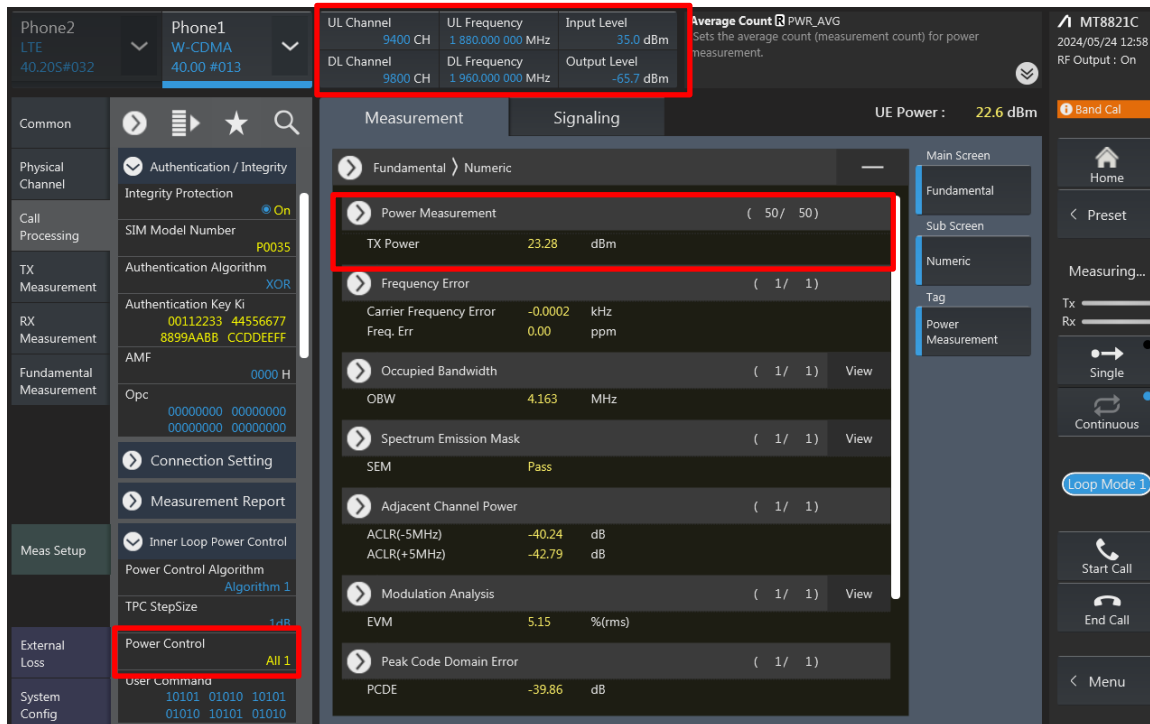
<GSM>



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 a 'Fundamental' sub-tab. The 'Power Measurement' section shows a 'TX Power' of 24.01 dBm. Other sections include 'Power vs Time', 'Template', 'Modulation Analysis', 'Output RF Spectrum - Modulation', 'Output RF Spectrum - Switching', and 'USF Block Error Rate'.
- 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>



The WCDMA measurement interface shows the following configuration and results:

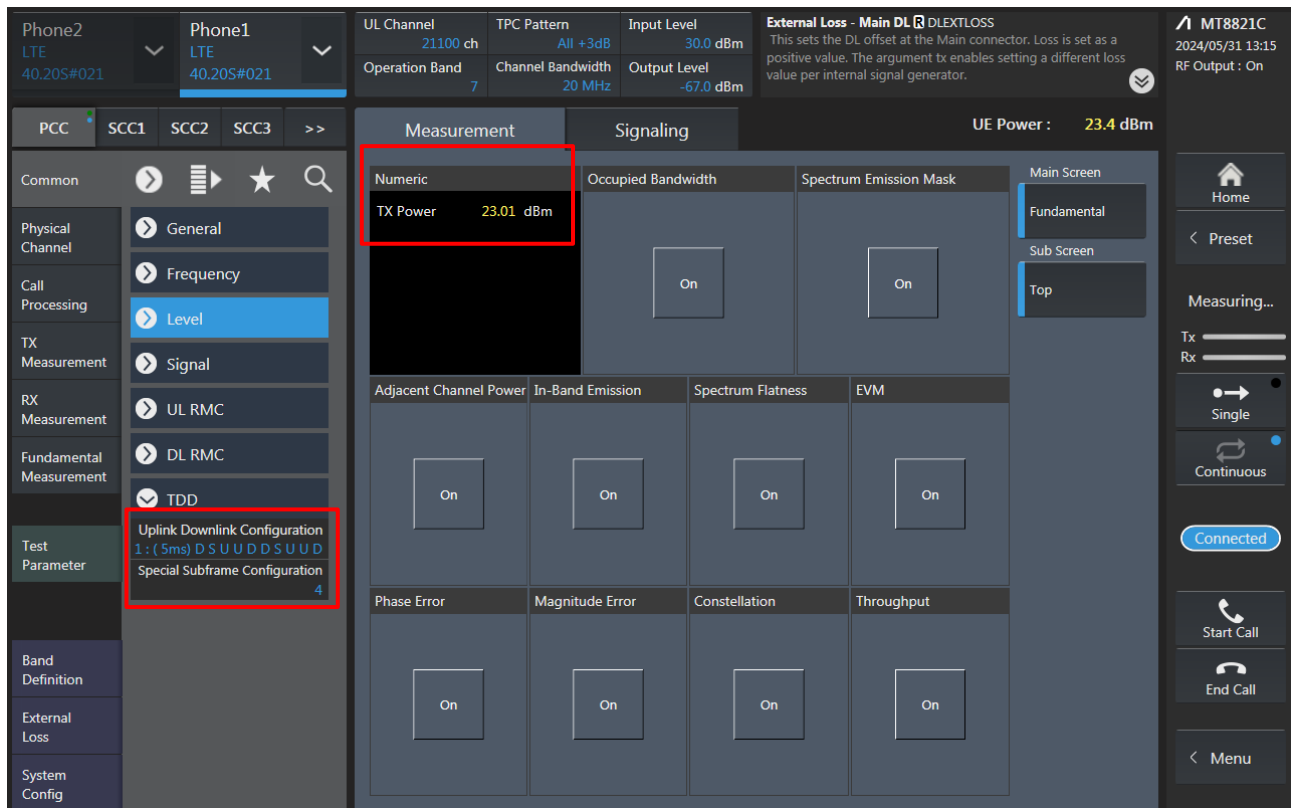
Parameter	Value
UL Channel	9400 CH
UL Frequency	1 880.000 000 MHz
Input Level	35.0 dBm
DL Channel	9800 CH
DL Frequency	1 960.000 000 MHz
Output Level	-65.7 dBm

Measurement Results:

Measurement	Value	Unit
TX Power	23.28	dBm
Frequency Error	-0.0002	kHz
Carrier Frequency Error	0.00	ppm
Occupied Bandwidth	4.163	MHz
Spectrum Emission Mask	Pass	
Adjacent Channel Power	-40.24	dB
ACLR(-5MHz)	-42.79	dB
ACLR(+5MHz)		
Modulation Analysis	5.15	%(rms)
Peak Code Domain Error	-39.86	dB
PCDE		

UE Power : 22.6 dBm

<LTE>



The LTE measurement interface shows the following configuration and results:

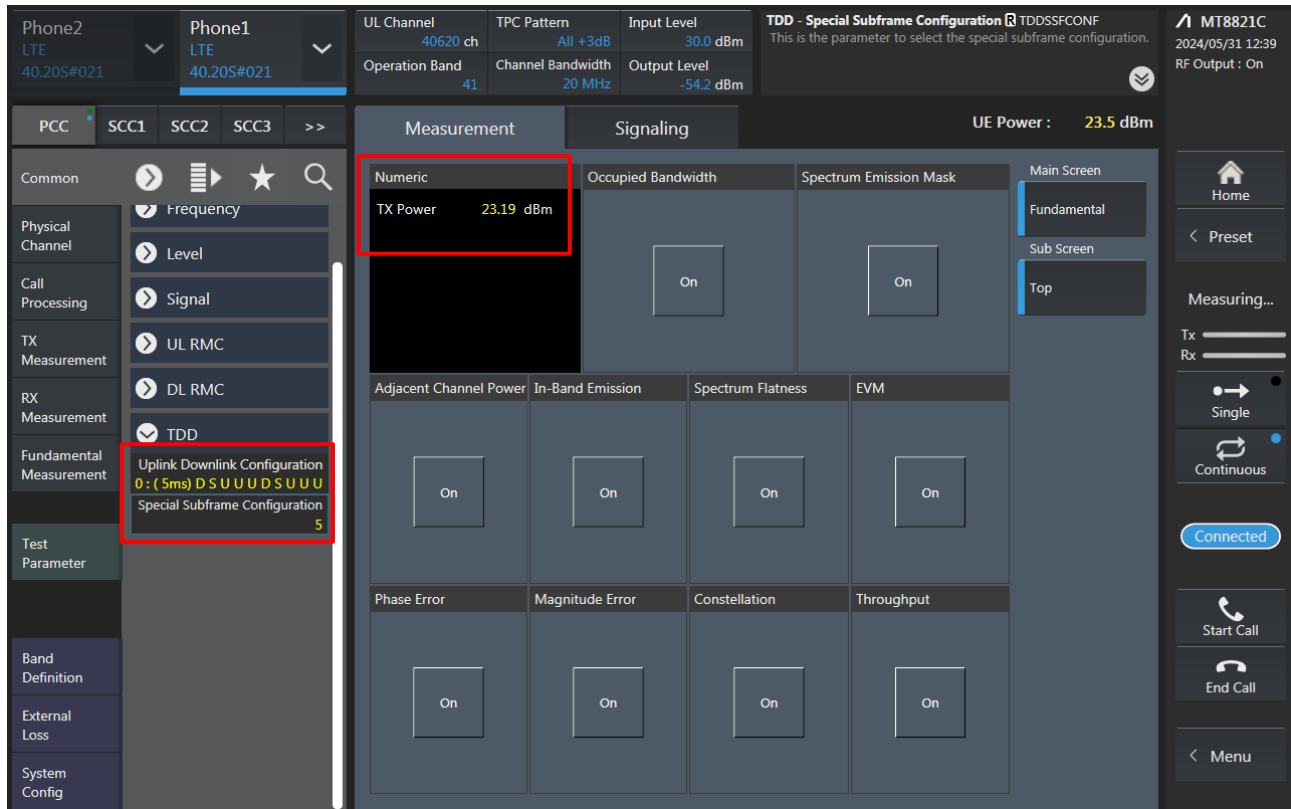
Parameter	Value
UL Channel	21100 ch
TPC Pattern	All +3dB
Input Level	30.0 dBm
Operation Band	7
Channel Bandwidth	20 MHz
Output Level	-67.0 dBm

Measurement Results:

Measurement	Value	Unit
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	

UE Power : 23.4 dBm

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

<LTE TDD Power class 3>

Phone2
LTE
40.20S#021

Phone1
LTE
40.20S#021

UL Channel 40620 ch
Operation Band 41

TPC Pattern All +3dB
Channel Bandwidth 20 MHz

Input Level 30.0 dBm
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

PCC SCC1 SCC2 SCC3 >>

Common

Physical Channel

Call Processing

TX Measurement

RX Measurement

Fundamental Measurement

Test Parameter

Band Definition

External Loss

System Config

Frequency

Level

Signal

UL RMC

DL RMC

TDD

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

Special Subframe Configuration
5

Measurement

Numeric

TX Power 23.19 dBm

Occupied Bandwidth

Spectrum Emission Mask

Main Screen

Fundamental

Sub Screen

Top

Adjacent Channel Power

In-Band Emission

Spectrum Flatness

EVM

Phase Error

Magnitude Error

Constellation

Throughput

UE Power : 23.5 dBm

Home

Preset

Measuring...

Tx

Rx

Single

Continuous

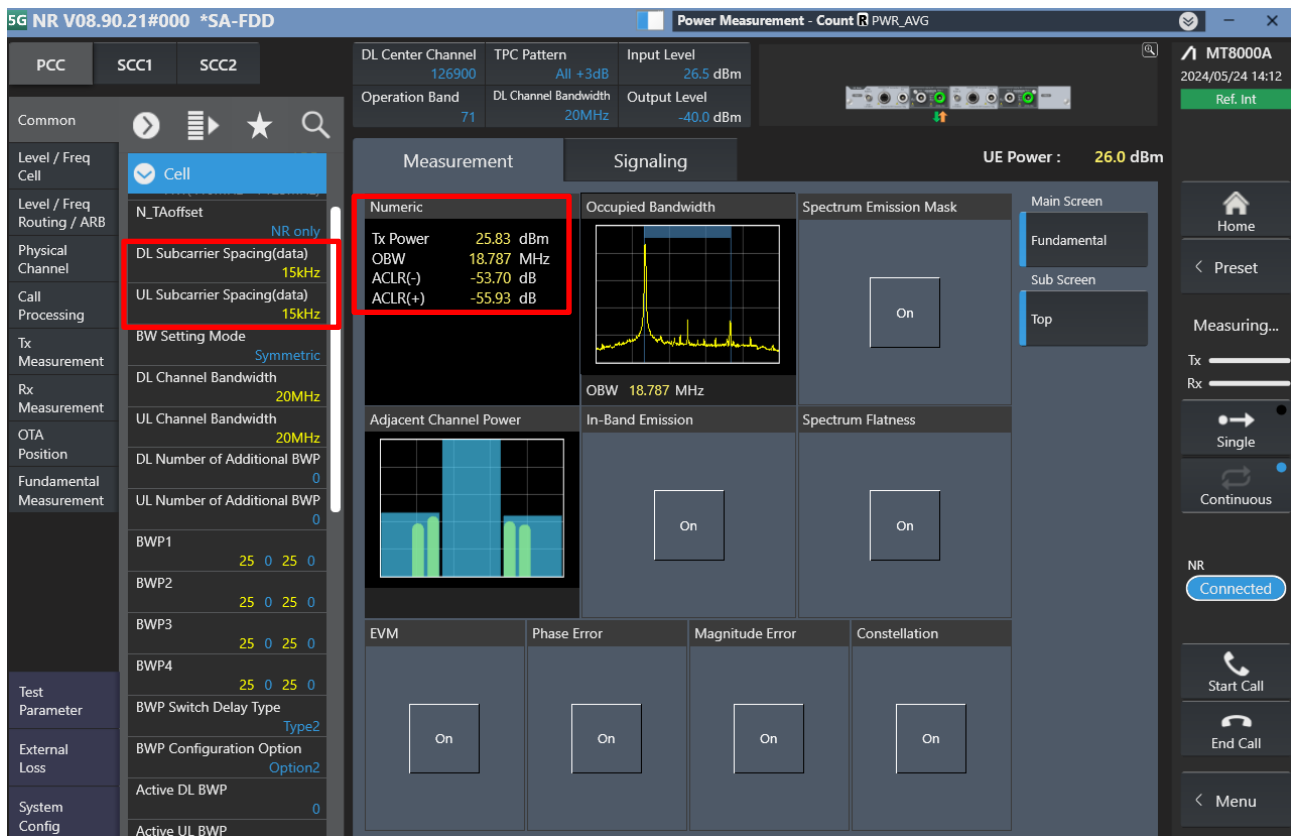
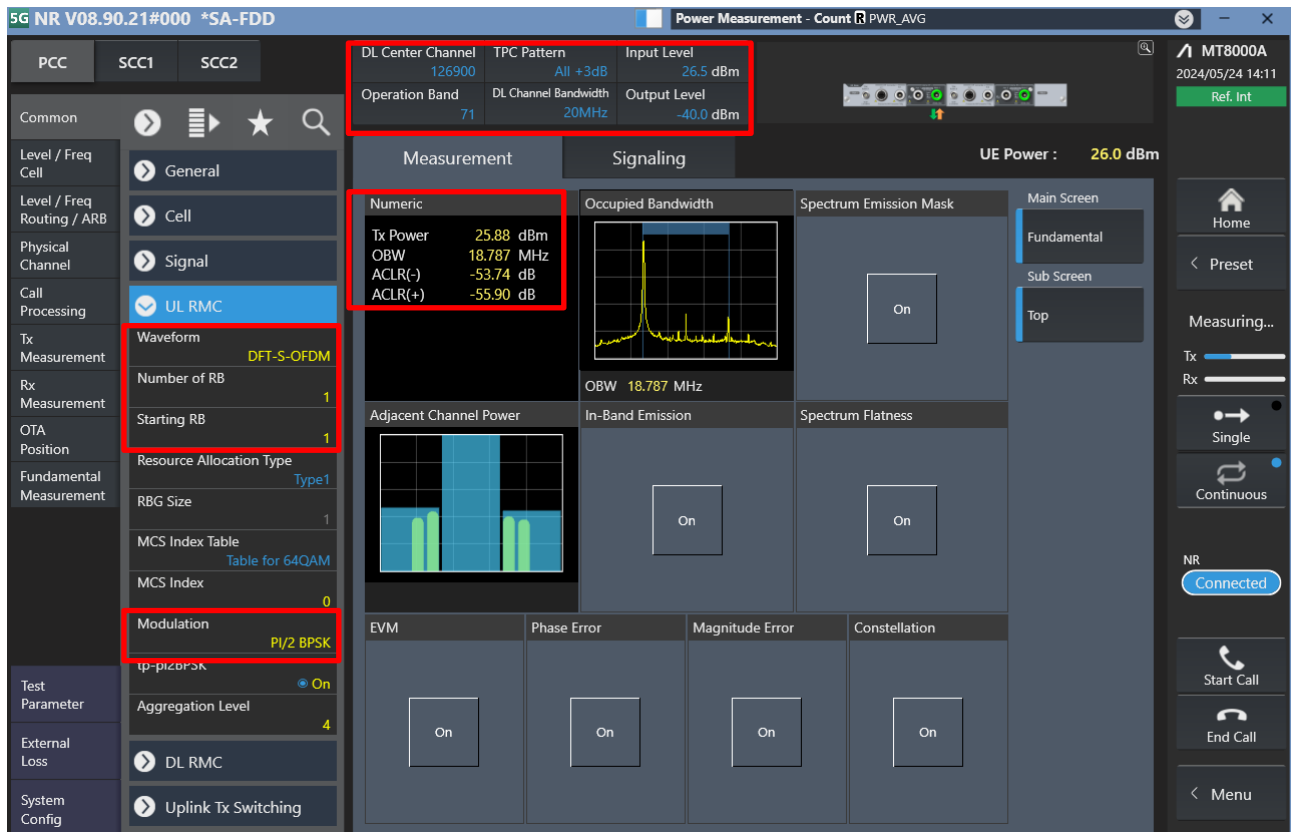
Connected

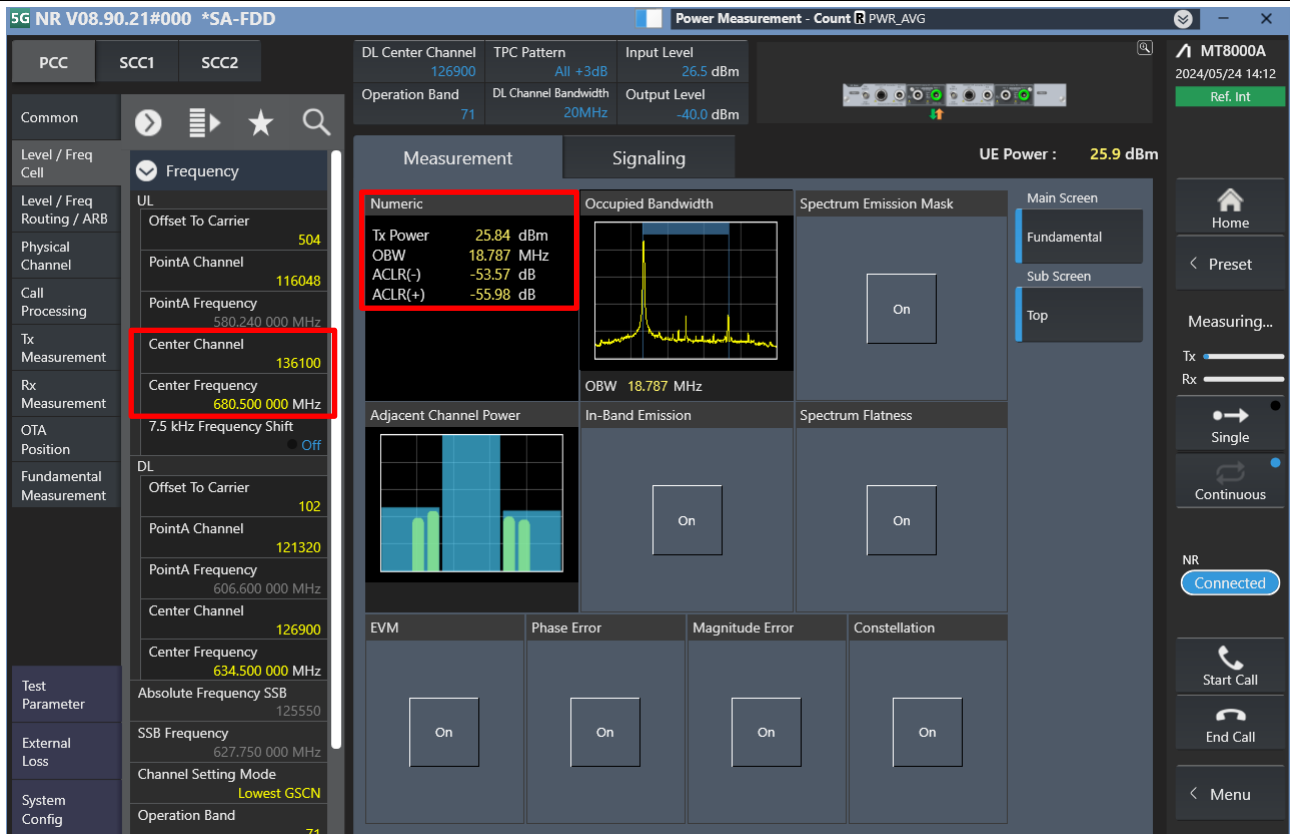
Start Call

End Call

Menu

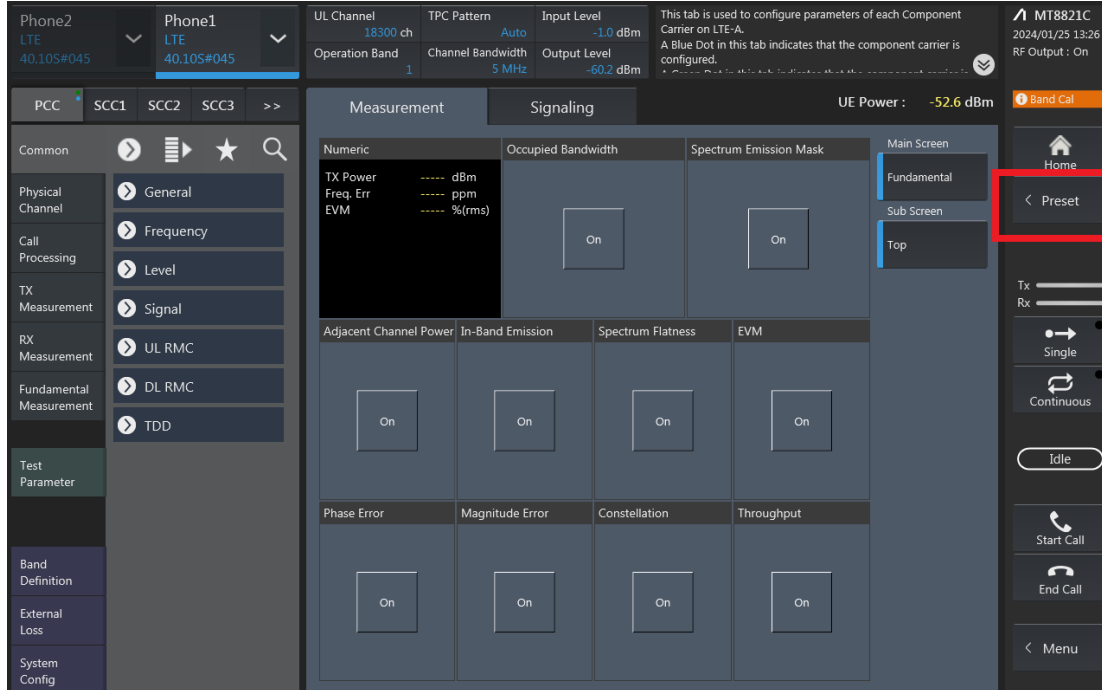
<5G NR FR1>





LTE Uplink and Downlink Carrier Aggregation configurations:

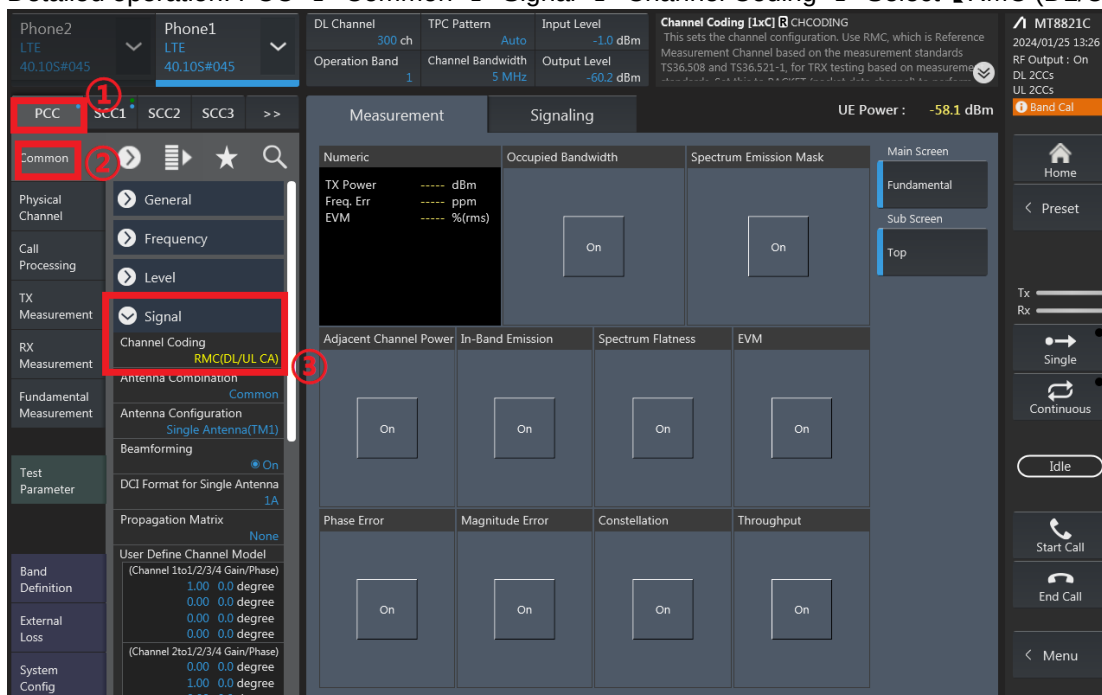
1. Change the Scenario in the Configuration of Phone1 LTE Signaling and Preset.



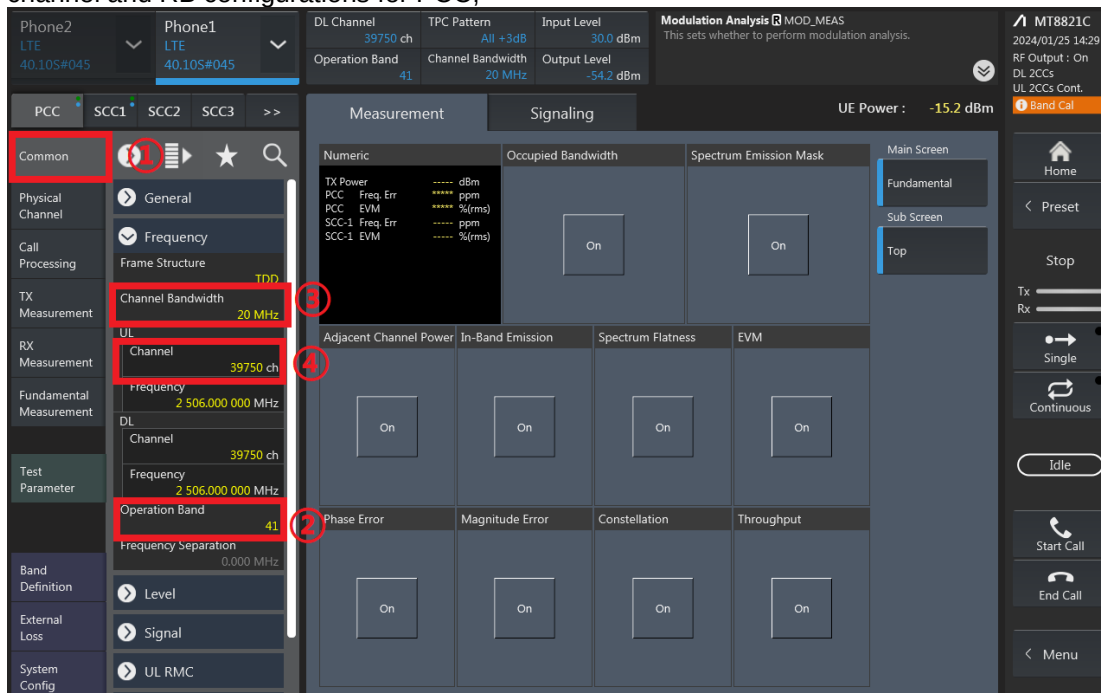
2. If Select "RMC (DL/UL CA)" for Uplink Carrier Aggregation;
If Select "RMC (DL CA)" for Downlink Carrier Aggregation.

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.

UE Power : -15.2 dBm

Measurement Signaling

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

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

Occupied Bandwidth

Spectrum Emission Mask

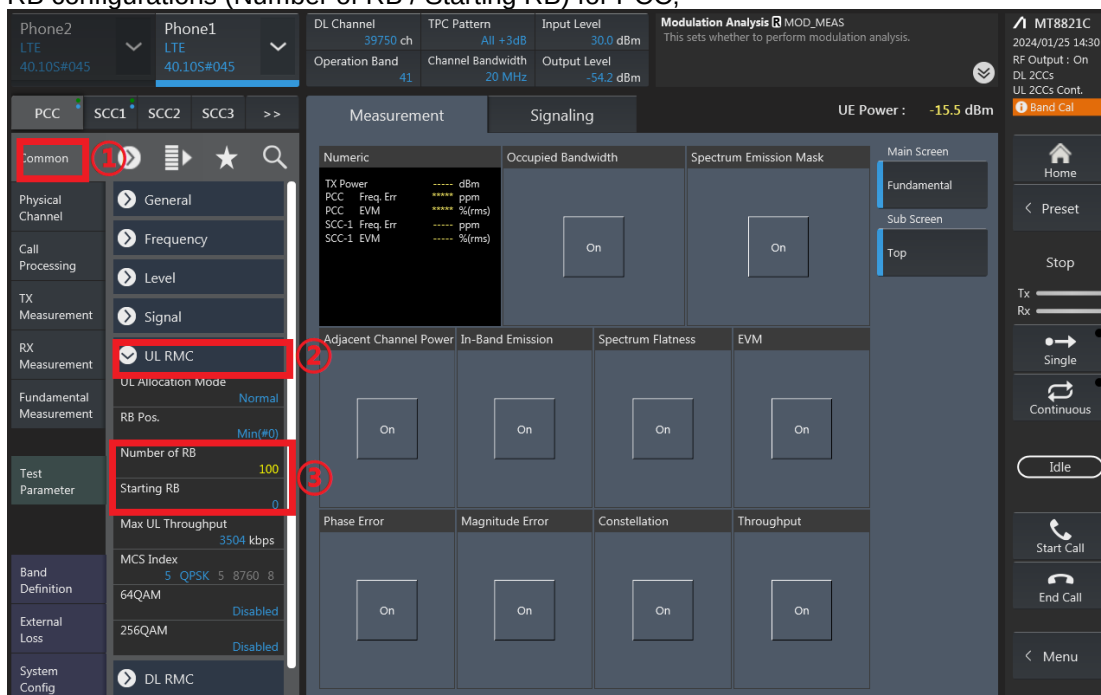
Main Screen Fundamental Sub Screen Top

Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

Phase Error Magnitude Error Constellation Throughput

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.

UE Power : -15.5 dBm

Measurement Signaling

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

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

Occupied Bandwidth

Spectrum Emission Mask

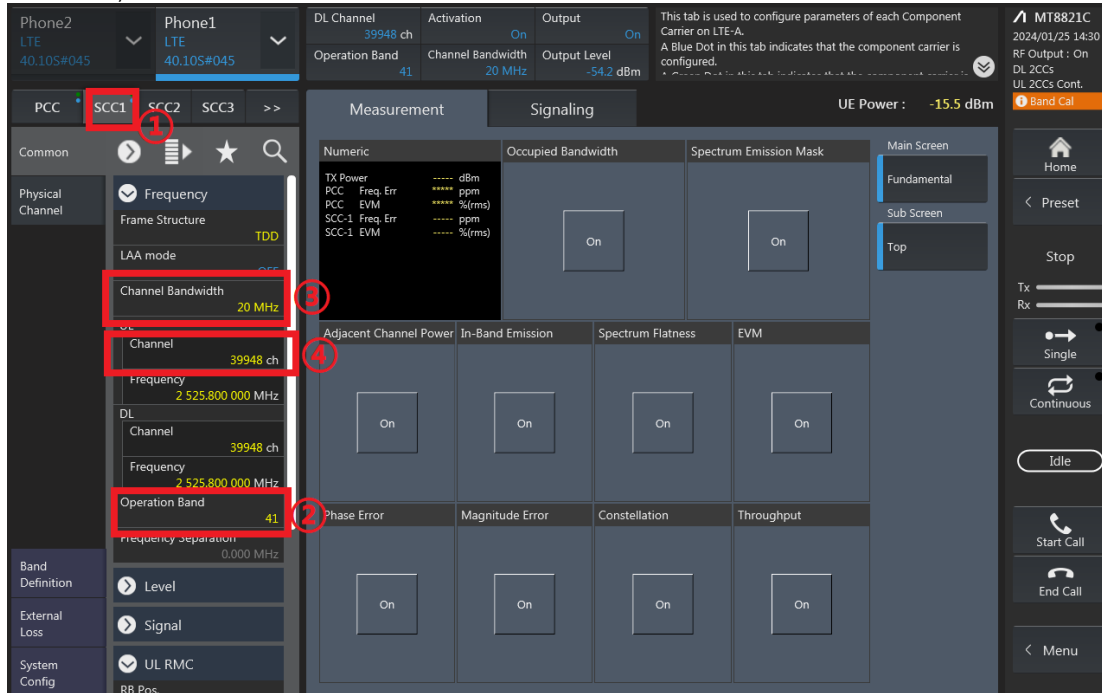
Main Screen Fundamental Sub Screen Top

Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

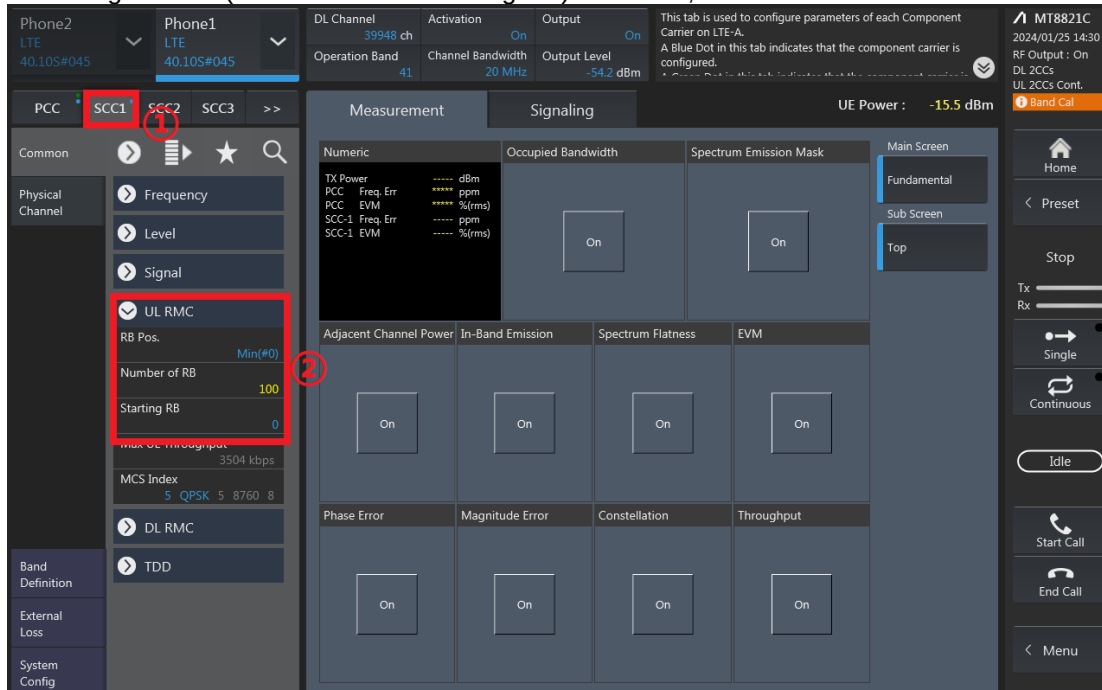
Phase Error Magnitude Error Constellation Throughput

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

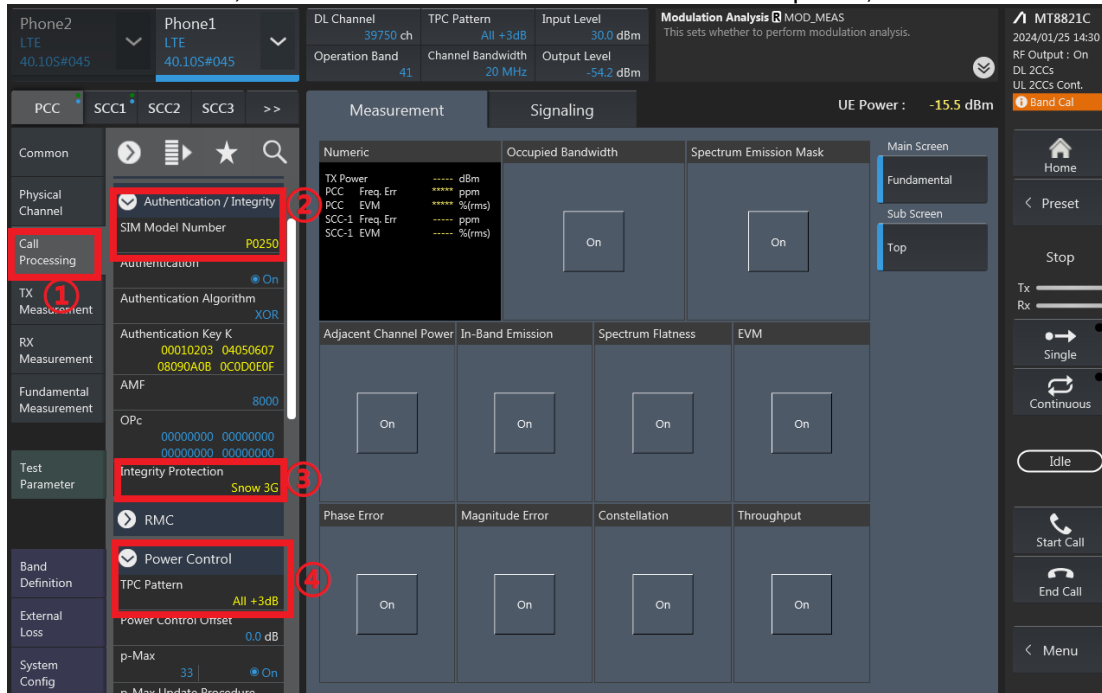
4. SCC parameter Settings: Select the SCC1 tab, Set operating band, BW, channel, and RB configurations for SCC1;



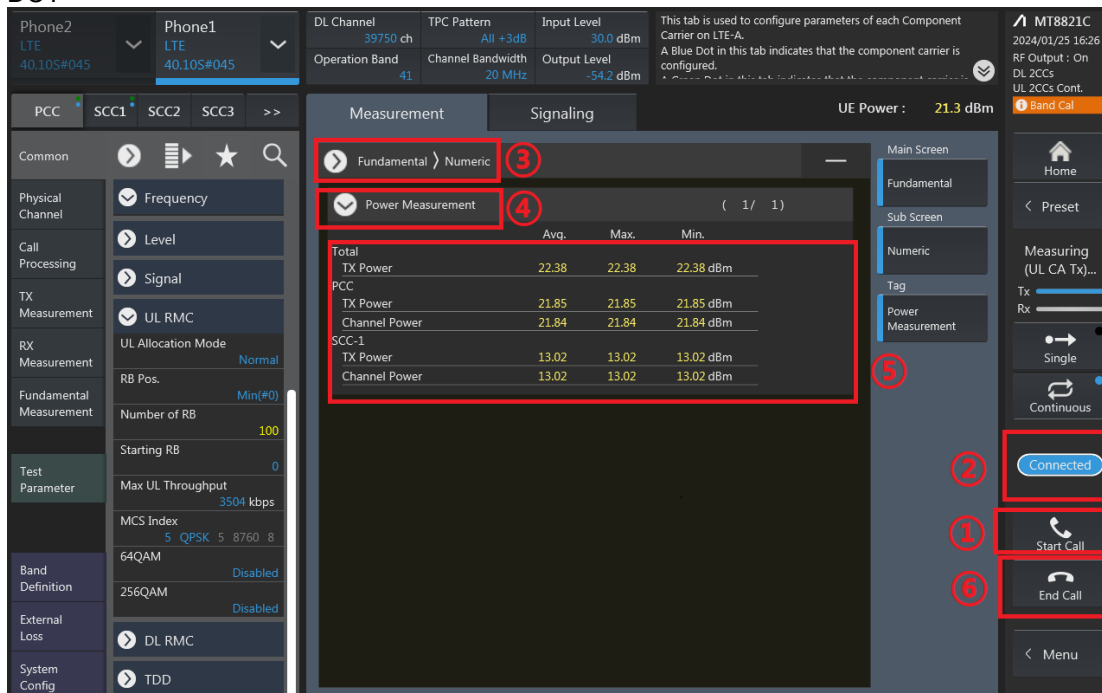
RB configurations (Number of RB / Starting RB) for SCC1;



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.

CA Power

CA_7C_Ant 14											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	49	1	0	1	0	Full Power	23.70	25.00
21100	21298	QPSK	1	49	1	0	1	0	Full Power	23.80	25.00
21350	21152	QPSK	1	49	1	0	1	0	Full Power	23.76	25.00
20850	21048	QPSK	1	49	1	0	1	0	ECI 2	16.02	17.60
21100	21298	QPSK	1	49	1	0	1	0	ECI 2	16.12	17.60
21350	21152	QPSK	1	49	1	0	1	0	ECI 2	16.00	17.60
20850	21048	QPSK	1	49	1	0	1	0	ECI 3	15.20	16.50
21100	21298	QPSK	1	49	1	0	1	0	ECI 3	15.27	16.50
21350	21152	QPSK	1	49	1	0	1	0	ECI 3	15.22	16.50
20850	21048	QPSK	1	49	1	0	1	0	ECI 5	20.92	22.70
21100	21298	QPSK	1	49	1	0	1	0	ECI 5	20.98	22.70
21350	21152	QPSK	1	49	1	0	1	0	ECI 5	20.90	22.70
20850	21048	QPSK	1	49	1	0	1	0	ECI 7	23.70	25.00
21100	21298	QPSK	1	49	1	0	1	0	ECI 7	23.80	25.00
21350	21152	QPSK	1	49	1	0	1	0	ECI 7	23.76	25.00
20850	21048	QPSK	1	49	1	0	1	0	ECI 8&10	18.65	20.00
21100	21298	QPSK	1	49	1	0	1	0	ECI 8&10	18.72	20.00
21350	21152	QPSK	1	49	1	0	1	0	ECI 8&10	18.68	20.00

CA_66C_Ant 14											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	49	1	0	1	0	Full Power	23.61	25.00
132322	132520	QPSK	1	49	1	0	1	0	Full Power	23.72	25.00
132572	132374	QPSK	1	49	1	0	1	0	Full Power	23.59	25.00
132072	132270	QPSK	1	49	1	0	1	0	ECI 2	17.15	18.50
132322	132520	QPSK	1	49	1	0	1	0	ECI 2	17.22	18.50
132572	132374	QPSK	1	49	1	0	1	0	ECI 2	17.13	18.50
132072	132270	QPSK	1	49	1	0	1	0	ECI 3	16.57	18.00
132322	132520	QPSK	1	49	1	0	1	0	ECI 3	16.62	18.00
132572	132374	QPSK	1	49	1	0	1	0	ECI 3	16.55	18.00
132072	132270	QPSK	1	49	1	0	1	0	ECI 5	21.49	23.00
132322	132520	QPSK	1	49	1	0	1	0	ECI 5	21.53	23.00
132572	132374	QPSK	1	49	1	0	1	0	ECI 5	21.50	23.00
132072	132270	QPSK	1	49	1	0	1	0	ECI 7	23.61	25.00
132322	132520	QPSK	1	49	1	0	1	0	ECI 7	23.72	25.00
132572	132374	QPSK	1	49	1	0	1	0	ECI 7	23.59	25.00
132072	132270	QPSK	1	49	1	0	1	0	ECI 8&10	19.50	21.00
132322	132520	QPSK	1	49	1	0	1	0	ECI 8&10	19.57	21.00
132572	132374	QPSK	1	49	1	0	1	0	ECI 8&10	19.52	21.00

CA_7C_Ant 41											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	49	1	0	1	0	Full Power	24.63	25.50
21100	21298	QPSK	1	49	1	0	1	0	Full Power	24.76	25.50
21350	21152	QPSK	1	49	1	0	1	0	Full Power	24.69	25.50
20850	21048	QPSK	1	49	1	0	1	0	ECI 2	24.63	25.50
21100	21298	QPSK	1	49	1	0	1	0	ECI 2	24.76	25.50
21350	21152	QPSK	1	49	1	0	1	0	ECI 2	24.69	25.50
20850	21048	QPSK	1	49	1	0	1	0	ECI 3	24.63	25.50
21100	21298	QPSK	1	49	1	0	1	0	ECI 3	24.76	25.50
21350	21152	QPSK	1	49	1	0	1	0	ECI 3	24.69	25.50
20850	21048	QPSK	1	49	1	0	1	0	ECI 5&7	22.08	23.00
21100	21298	QPSK	1	49	1	0	1	0	ECI 5&7	22.15	23.00
21350	21152	QPSK	1	49	1	0	1	0	ECI 5&7	22.11	23.00
20850	21048	QPSK	1	49	1	0	1	0	ECI 8&10	19.49	20.50
21100	21298	QPSK	1	49	1	0	1	0	ECI 8&10	19.55	20.50
21350	21152	QPSK	1	49	1	0	1	0	ECI 8&10	19.52	20.50

CA_66C_Ant 41											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	49	1	0	1	0	Full Power	24.12	25.50
132322	132520	QPSK	1	49	1	0	1	0	Full Power	24.18	25.50
132572	132374	QPSK	1	49	1	0	1	0	Full Power	24.07	25.50
132072	132270	QPSK	1	49	1	0	1	0	ECI 2	24.12	25.50
132322	132520	QPSK	1	49	1	0	1	0	ECI 2	24.18	25.50
132572	132374	QPSK	1	49	1	0	1	0	ECI 2	24.07	25.50
132072	132270	QPSK	1	49	1	0	1	0	ECI 3	24.12	25.50
132322	132520	QPSK	1	49	1	0	1	0	ECI 3	24.18	25.50
132572	132374	QPSK	1	49	1	0	1	0	ECI 3	24.07	25.50
132072	132270	QPSK	1	49	1	0	1	0	ECI 5&7	21.80	23.20
132322	132520	QPSK	1	49	1	0	1	0	ECI 5&7	21.88	23.20
132572	132374	QPSK	1	49	1	0	1	0	ECI 5&7	21.85	23.20
132072	132270	QPSK	1	49	1	0	1	0	ECI 8&10	20.02	21.00
132322	132520	QPSK	1	49	1	0	1	0	ECI 8&10	20.10	21.00
132572	132374	QPSK	1	49	1	0	1	0	ECI 8&10	20.00	21.00

CA_7C_Ant 12											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	49	1	0	1	0	Full Power	24.55	25.70
21100	21298	QPSK	1	49	1	0	1	0	Full Power	24.60	25.70
21350	21152	QPSK	1	49	1	0	1	0	Full Power	24.53	25.70
20850	21048	QPSK	1	49	1	0	1	0	ECI 2	18.69	20.20
21100	21298	QPSK	1	49	1	0	1	0	ECI 2	18.75	20.20
21350	21152	QPSK	1	49	1	0	1	0	ECI 2	18.66	20.20
20850	21048	QPSK	1	49	1	0	1	0	ECI 3	17.66	19.20
21100	21298	QPSK	1	49	1	0	1	0	ECI 3	17.69	19.20
21350	21152	QPSK	1	49	1	0	1	0	ECI 3	17.60	19.20
20850	21048	QPSK	1	49	1	0	1	0	ECI 5&7	20.15	21.70
21100	21298	QPSK	1	49	1	0	1	0	ECI 5&7	20.19	21.70
21350	21152	QPSK	1	49	1	0	1	0	ECI 5&7	20.12	21.70
20850	21048	QPSK	1	49	1	0	1	0	ECI 8&10	18.25	19.70
21100	21298	QPSK	1	49	1	0	1	0	ECI 8&10	18.29	19.70
21350	21152	QPSK	1	49	1	0	1	0	ECI 8&10	18.22	19.70

CA 66C Ant 12											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	49	1	0	1	0	Full Power	24.05	25.70
132322	132520	QPSK	1	49	1	0	1	0	Full Power	24.13	25.70
132572	132374	QPSK	1	49	1	0	1	0	Full Power	24.01	25.70
132072	132270	QPSK	1	49	1	0	1	0	ECI 2	19.50	21.00
132322	132520	QPSK	1	49	1	0	1	0	ECI 2	19.53	21.00
132572	132374	QPSK	1	49	1	0	1	0	ECI 2	19.47	21.00
132072	132270	QPSK	1	49	1	0	1	0	ECI 3	18.99	20.50
132322	132520	QPSK	1	49	1	0	1	0	ECI 3	19.01	20.50
132572	132374	QPSK	1	49	1	0	1	0	ECI 3	18.93	20.50
132072	132270	QPSK	1	49	1	0	1	0	ECI 5&7	22.16	23.80
132322	132520	QPSK	1	49	1	0	1	0	ECI 5&7	22.18	23.80
132572	132374	QPSK	1	49	1	0	1	0	ECI 5&7	22.10	23.80
132072	132270	QPSK	1	49	1	0	1	0	ECI 8&10	21.05	22.50
132322	132520	QPSK	1	49	1	0	1	0	ECI 8&10	21.08	22.50
132572	132374	QPSK	1	49	1	0	1	0	ECI 8&10	21.00	22.50

CA_41C_Ant 14											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dbm)	Tune up Power (dbm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	49	1	0	1	0	Full Power	24.00	25.00
40185	40383	QPSK	1	49	1	0	1	0	Full Power	24.08	25.00
40620	40818	QPSK	1	49	1	0	1	0	Full Power	24.16	25.00
41055	41253	QPSK	1	49	1	0	1	0	Full Power	24.03	25.00
41490	41292	QPSK	1	49	1	0	1	0	Full Power	24.12	25.00
39750	39948	QPSK	1	49	1	0	1	0	ECI 2	17.80	18.80
40185	40383	QPSK	1	49	1	0	1	0	ECI 2	17.85	18.80
40620	40818	QPSK	1	49	1	0	1	0	ECI 2	17.92	18.80
41055	41253	QPSK	1	49	1	0	1	0	ECI 2	17.90	18.80
41490	41292	QPSK	1	49	1	0	1	0	ECI 2	17.82	18.80
39750	39948	QPSK	1	49	1	0	1	0	ECI 3	16.52	17.50
40185	40383	QPSK	1	49	1	0	1	0	ECI 3	16.60	17.50
40620	40818	QPSK	1	49	1	0	1	0	ECI 3	16.66	17.50
41055	41253	QPSK	1	49	1	0	1	0	ECI 3	16.55	17.50
41490	41292	QPSK	1	49	1	0	1	0	ECI 3	16.58	17.50
39750	39948	QPSK	1	49	1	0	1	0	ECI 5	23.05	23.90
40185	40383	QPSK	1	49	1	0	1	0	ECI 5	23.10	23.90
40620	40818	QPSK	1	49	1	0	1	0	ECI 5	23.15	23.90
41055	41253	QPSK	1	49	1	0	1	0	ECI 5	23.09	23.90
41490	41292	QPSK	1	49	1	0	1	0	ECI 5	23.06	23.90
39750	39948	QPSK	1	49	1	0	1	0	ECI 7	24.00	25.00
40185	40383	QPSK	1	49	1	0	1	0	ECI 7	24.08	25.00
40620	40818	QPSK	1	49	1	0	1	0	ECI 7	24.16	25.00
41055	41253	QPSK	1	49	1	0	1	0	ECI 7	24.03	25.00
41490	41292	QPSK	1	49	1	0	1	0	ECI 7	24.12	25.00
39750	39948	QPSK	1	49	1	0	1	0	ECI 8&10	23.15	22.00
40185	40383	QPSK	1	49	1	0	1	0	ECI 8&10	21.12	22.00
40620	40818	QPSK	1	49	1	0	1	0	ECI 8&10	21.20	22.00
41055	41253	QPSK	1	49	1	0	1	0	ECI 8&10	23.05	22.00
41490	41292	QPSK	1	49	1	0	1	0	ECI 8&10	23.08	22.00

CA_41C_Ant 41											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	49	1	0	1	0	Full Power	24.32	25.70
40185	40383	QPSK	1	49	1	0	1	0	Full Power	24.45	25.70
40620	40818	QPSK	1	49	1	0	1	0	Full Power	24.53	25.70
41055	41253	QPSK	1	49	1	0	1	0	Full Power	24.36	25.70
41490	41292	QPSK	1	49	1	0	1	0	Full Power	24.39	25.70
39750	39948	QPSK	1	49	1	0	1	0	ECI 2	24.32	25.70
40185	40383	QPSK	1	49	1	0	1	0	ECI 2	24.45	25.70
40620	40818	QPSK	1	49	1	0	1	0	ECI 2	24.53	25.70
41055	41253	QPSK	1	49	1	0	1	0	ECI 2	24.36	25.70
41490	41292	QPSK	1	49	1	0	1	0	ECI 2	24.39	25.70
39750	39948	QPSK	1	49	1	0	1	0	ECI 3	24.32	25.70
40185	40383	QPSK	1	49	1	0	1	0	ECI 3	24.45	25.70
40620	40818	QPSK	1	49	1	0	1	0	ECI 3	24.53	25.70
41055	41253	QPSK	1	49	1	0	1	0	ECI 3	24.36	25.70
41490	41292	QPSK	1	49	1	0	1	0	ECI 3	24.39	25.70
39750	39948	QPSK	1	49	1	0	1	0	ECI 5&7	23.52	24.80
40185	40383	QPSK	1	49	1	0	1	0	ECI 5&7	23.56	24.80
40620	40818	QPSK	1	49	1	0	1	0	ECI 5&7	23.72	24.80
41055	41253	QPSK	1	49	1	0	1	0	ECI 5&7	23.66	24.80
41490	41292	QPSK	1	49	1	0	1	0	ECI 5&7	23.60	24.80
39750	39948	QPSK	1	49	1	0	1	0	ECI 8&10	21.66	22.80
40185	40383	QPSK	1	49	1	0	1	0	ECI 8&10	21.60	22.80
40620	40818	QPSK	1	49	1	0	1	0	ECI 8&10	21.70	22.80
41055	41253	QPSK	1	49	1	0	1	0	ECI 8&10	21.68	22.80
41490	41292	QPSK	1	49	1	0	1	0	ECI 8&10	21.65	22.80

CA_41C_Ant 12											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	49	1	0	1	0	Full Power	24.38	25.70
40185	40383	QPSK	1	49	1	0	1	0	Full Power	24.33	25.70
40620	40818	QPSK	1	49	1	0	1	0	Full Power	24.49	25.70
41055	41253	QPSK	1	49	1	0	1	0	Full Power	24.45	25.70
41490	41292	QPSK	1	49	1	0	1	0	Full Power	24.40	25.70
39750	39948	QPSK	1	49	1	0	1	0	ECI 2	20.55	21.80
40185	40383	QPSK	1	49	1	0	1	0	ECI 2	20.52	21.80
40620	40818	QPSK	1	49	1	0	1	0	ECI 2	20.60	21.80
41055	41253	QPSK	1	49	1	0	1	0	ECI 2	20.47	21.80
41490	41292	QPSK	1	49	1	0	1	0	ECI 2	20.56	21.80
39750	39948	QPSK	1	49	1	0	1	0	ECI 3	19.80	20.90
40185	40383	QPSK	1	49	1	0	1	0	ECI 3	19.85	20.90
40620	40818	QPSK	1	49	1	0	1	0	ECI 3	19.93	20.90
41055	41253	QPSK	1	49	1	0	1	0	ECI 3	19.88	20.90
41490	41292	QPSK	1	49	1	0	1	0	ECI 3	19.82	20.90
39750	39948	QPSK	1	49	1	0	1	0	ECI 5&7	22.40	23.50
40185	40383	QPSK	1	49	1	0	1	0	ECI 5&7	22.43	23.50
40620	40818	QPSK	1	49	1	0	1	0	ECI 5&7	22.50	23.50
41055	41253	QPSK	1	49	1	0	1	0	ECI 5&7	22.45	23.50
41490	41292	QPSK	1	49	1	0	1	0	ECI 5&7	22.45	23.50
39750	39948	QPSK	1	49	1	0	1	0	ECI 8&10	20.36	21.40
40185	40383	QPSK	1	49	1	0	1	0	ECI 8&10	20.30	21.40
40620	40818	QPSK	1	49	1	0	1	0	ECI 8&10	20.42	21.40
41055	41253	QPSK	1	49	1	0	1	0	ECI 8&10	20.29	21.40
41490	41292	QPSK	1	49	1	0	1	0	ECI 8&10	20.35	21.40

CA 41C Ant 24											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	49	1	0	1	0	Full Power	22.38	23.20
40185	40383	QPSK	1	49	1	0	1	0	Full Power	22.33	23.20
40620	40818	QPSK	1	49	1	0	1	0	Full Power	22.45	23.20
41055	41253	QPSK	1	49	1	0	1	0	Full Power	22.30	23.20
41490	41292	QPSK	1	49	1	0	1	0	Full Power	22.38	23.20
39750	39948	QPSK	1	49	1	0	1	0	ECI 2	19.30	20.10
40185	40383	QPSK	1	49	1	0	1	0	ECI 2	19.36	20.10
40620	40818	QPSK	1	49	1	0	1	0	ECI 2	19.40	20.10
41055	41253	QPSK	1	49	1	0	1	0	ECI 2	19.38	20.10
41490	41292	QPSK	1	49	1	0	1	0	ECI 2	19.32	20.10
39750	39948	QPSK	1	49	1	0	1	0	ECI 3	18.40	19.20
40185	40383	QPSK	1	49	1	0	1	0	ECI 3	18.45	19.20
40620	40818	QPSK	1	49	1	0	1	0	ECI 3	18.52	19.20
41055	41253	QPSK	1	49	1	0	1	0	ECI 3	18.49	19.20
41490	41292	QPSK	1	49	1	0	1	0	ECI 3	18.43	19.20
39750	39948	QPSK	1	49	1	0	1	0	ECI 5&7	22.38	23.20
40185	40383	QPSK	1	49	1	0	1	0	ECI 5&7	22.33	23.20
40620	40818	QPSK	1	49	1	0	1	0	ECI 5&7	22.45	23.20
41055	41253	QPSK	1	49	1	0	1	0	ECI 5&7	22.30	23.20
41490	41292	QPSK	1	49	1	0	1	0	ECI 5&7	22.36	23.20
39750	39948	QPSK	1	49	1	0	1	0	ECI 8&10	20.47	21.20
40185	40383	QPSK	1	49	1	0	1	0	ECI 8&10	20.50	21.20
40620	40818	QPSK	1	49	1	0	1	0	ECI 8&10	20.55	21.20
41055	41253	QPSK	1	49	1	0	1	0	ECI 8&10	20.42	21.20
41490	41292	QPSK	1	49	1	0	1	0	ECI 8&10	20.45	21.20