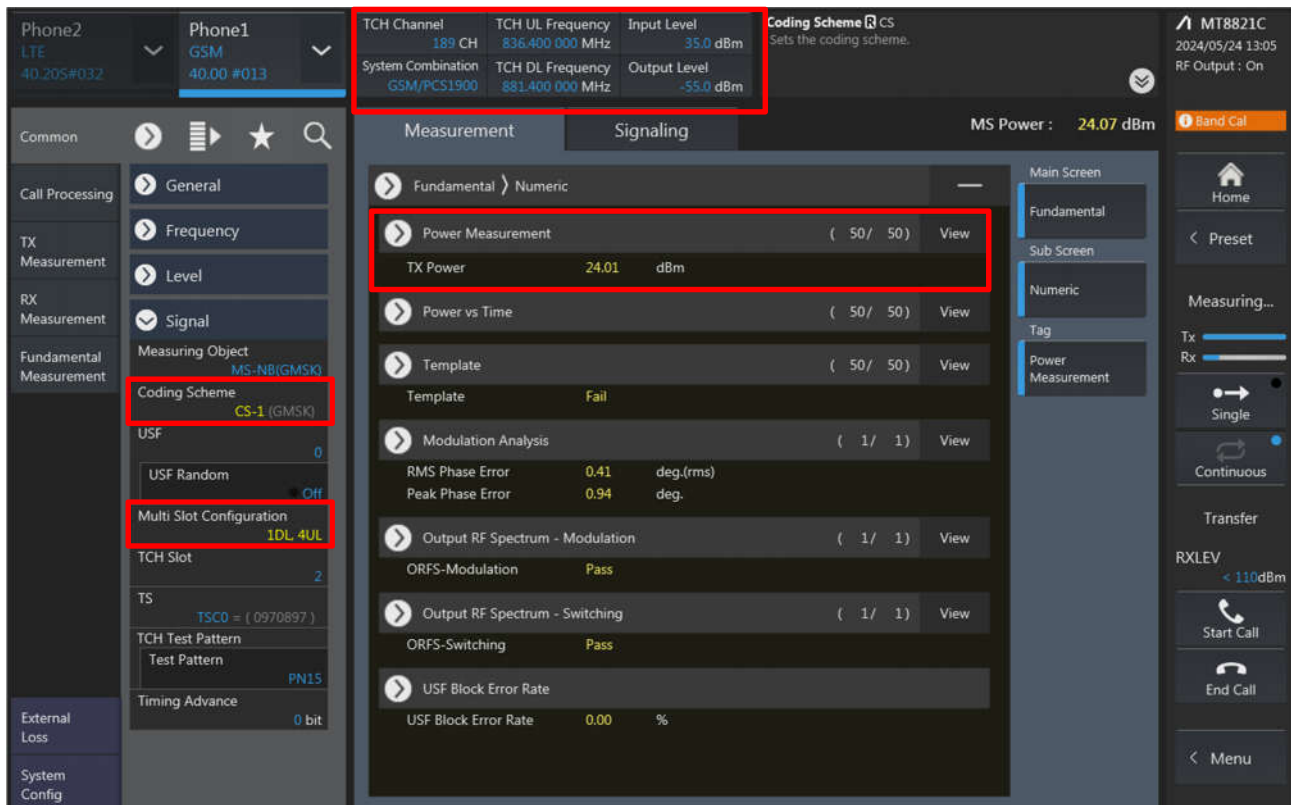


Power measurement connection diagram:

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.

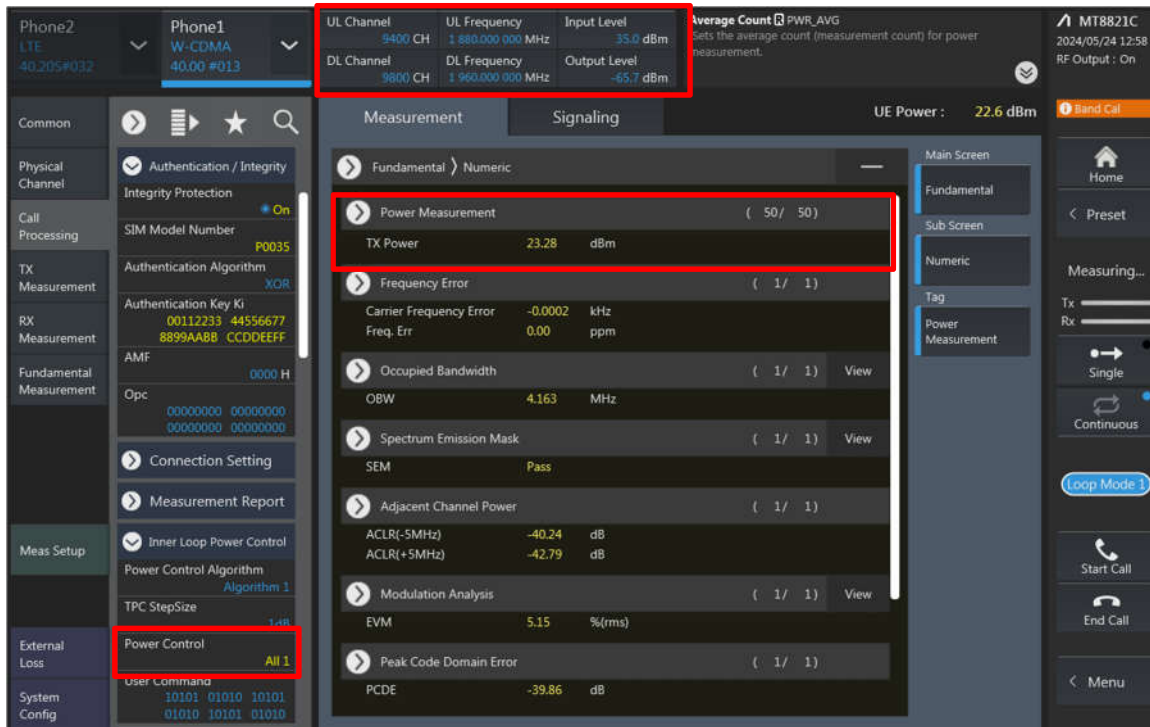
<GSM>



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

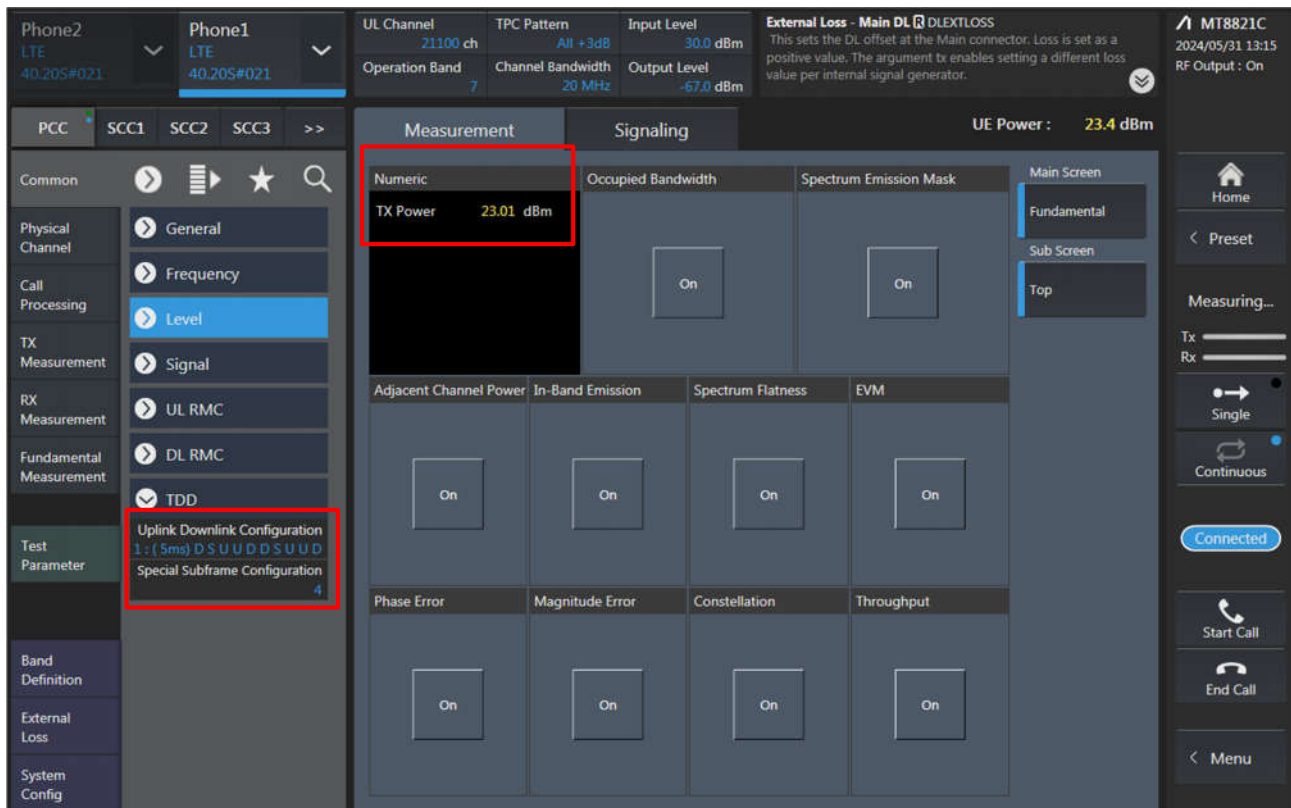
- Top Bar:** Shows Phone2 (LTE, 40.205#032) and Phone1 (GSM, 40.00 #013). The TCH Channel is 189 CH, TCH UL Frequency is 836.400 000 MHz, Input Level is 35.0 dBm, and TCH DL Frequency is 881.400 000 MHz. The Coding Scheme is CS.
- Left Sidebar:** Contains navigation options like Call Processing, TX Measurement, 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, Modulation Analysis, Output RF Spectrum - Modulation, Output RF Spectrum - Switching, and USF Block Error Rate.
- Right Sidebar:** Includes a 'Main Screen' section with 'Fundamental' and 'Sub Screen' options, and a 'Tag' section with 'Power Measurement'.

<WCDMA>



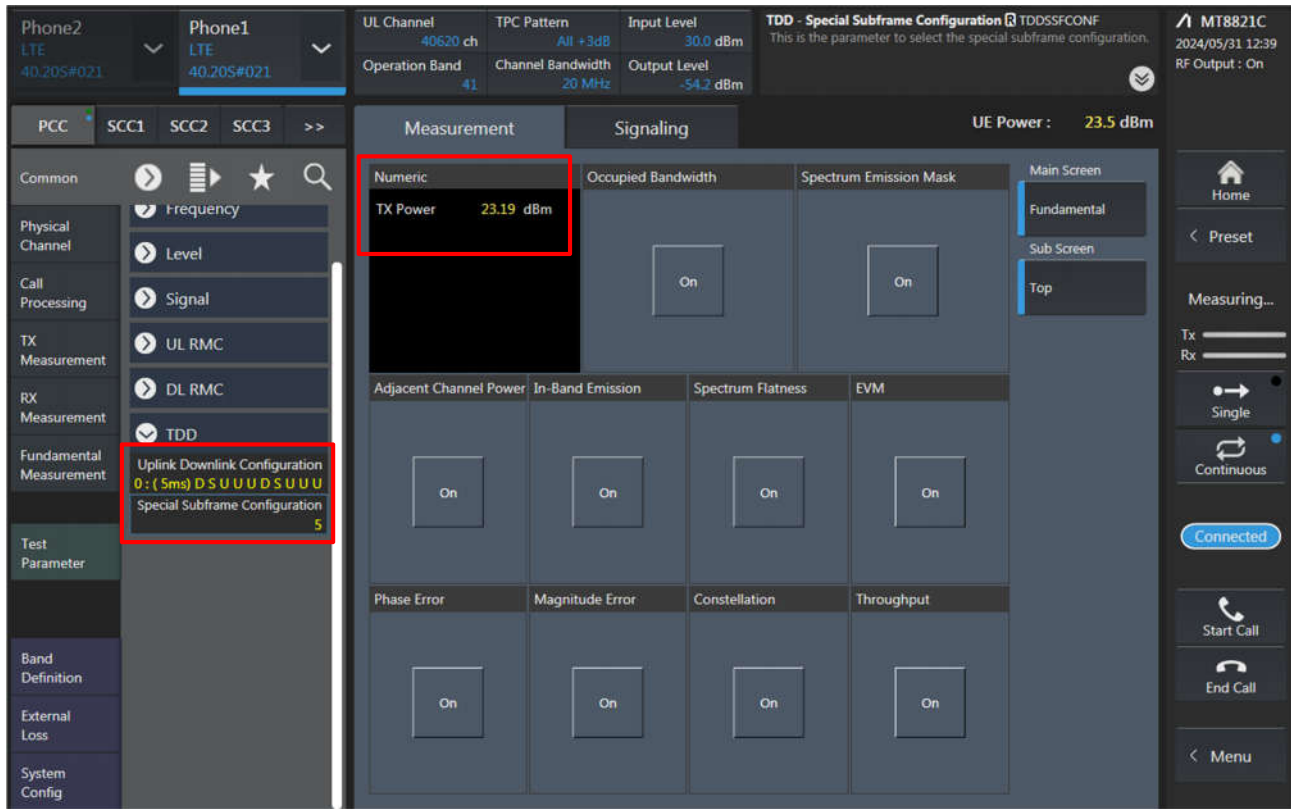
The screenshot shows the WCDMA measurement interface. The top bar displays 'Phone2 LTE 40.205#032' and 'Phone1 W-CDMA 40.00 #013'. The 'Measurement' tab is active, showing various parameters. A red box highlights the 'UL Channel' (9400 CH) and 'DL Channel' (9800 CH) settings. Another red box highlights the 'Power Measurement' section, showing 'TX Power' at 23.28 dBm. The 'Fundamental' section shows 'Carrier Frequency Error' at -0.0002 kHz and 'Freq. Err' at 0.00 ppm. The 'Occupied Bandwidth' section shows 'OBW' at 4.163 MHz. The 'Spectrum Emission Mask' section shows 'SEM' as 'Pass'. The 'Adjacent Channel Power' section shows 'ACLR(-5MHz)' at -40.24 dB and 'ACLR(+5MHz)' at -42.79 dB. The 'Modulation Analysis' section shows 'EVM' at 5.15 % (rms). The 'Peak Code Domain Error' section shows 'PCDE' at -39.86 dB. The 'UE Power' is 22.6 dBm. The 'Average Count' is 50/50. The 'Main Screen' shows 'Fundamental' and 'Sub Screen' options. The 'Tag' is 'Power Measurement'. The 'Measuring...' section shows 'Tx' and 'Rx' levels. The 'Loop Mode' is 'Continuous'. The 'Start Call' and 'End Call' buttons are visible. The 'Menu' button is at the bottom 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 various parameters. A red box highlights the 'TX Power' at 23.01 dBm. The 'Occupied Bandwidth' section shows 'On'. The 'Spectrum Emission Mask' section shows 'On'. The 'Adjacent Channel Power' section shows 'On'. The 'In-Band Emission' section shows 'On'. The 'Spectrum Flatness' section shows 'On'. The 'EVM' section shows 'On'. The 'Phase Error' section shows 'On'. The 'Magnitude Error' section shows 'On'. The 'Constellation' section shows 'On'. The 'Throughput' section shows 'On'. The 'UE Power' is 23.4 dBm. The 'External Loss - Main DL' is 0 dB. The 'Main Screen' shows 'Fundamental' and 'Sub Screen' options. The 'Tag' is 'Top'. The 'Measuring...' section shows 'Tx' and 'Rx' levels. The 'Loop Mode' is 'Connected'. The 'Start Call' and 'End Call' buttons are visible. The 'Menu' button is at the bottom right.

<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 TDD - Special Subframe Configuration TDDSSFCONF This is the parameter to select the special subframe configuration. MT8821C 2024/05/31 12:39 RF Output : On

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

Measurement Signaling UE Power : 23.5 dBm

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

Common Physical Channel Call Processing TX Measurement RX Measurement Fundamental Measurement Test Parameter Band Definition External Loss System Config

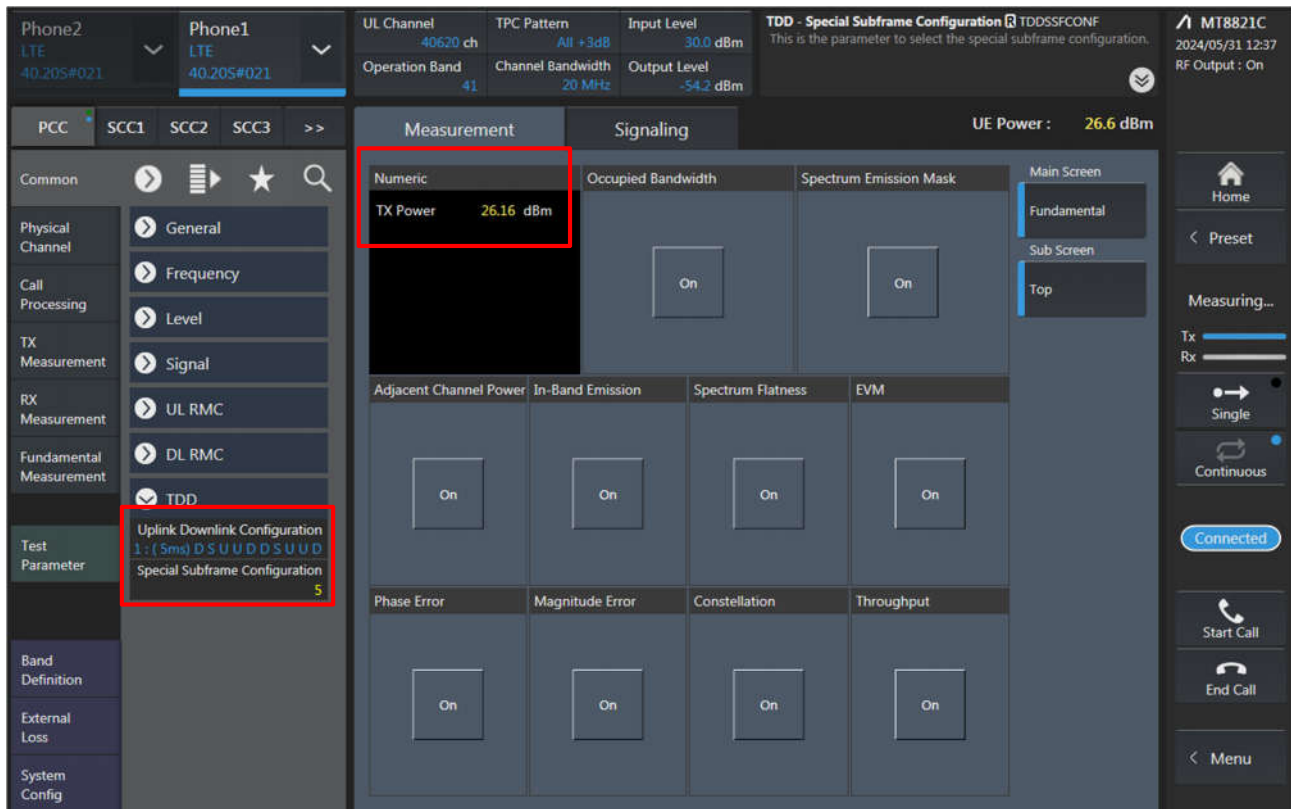
Frequency Level Signal UL RMC DL RMC TDD

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

Main Screen Fundamental Sub Screen Top

Home Preset Measuring... Tx Rx Single Continuous Connected Start Call End Call Menu

<LTE TDD Power class 2>



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

UL Channel 40620 ch TPC Pattern All +3dB Input Level 30.0 dBm TDD - Special Subframe Configuration TDDSSFCONF This is the parameter to select the special subframe configuration. MT8821C 2024/05/31 12:37 RF Output : On

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

Measurement Signaling UE Power : 26.6 dBm

Numeric TX Power 26.16 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

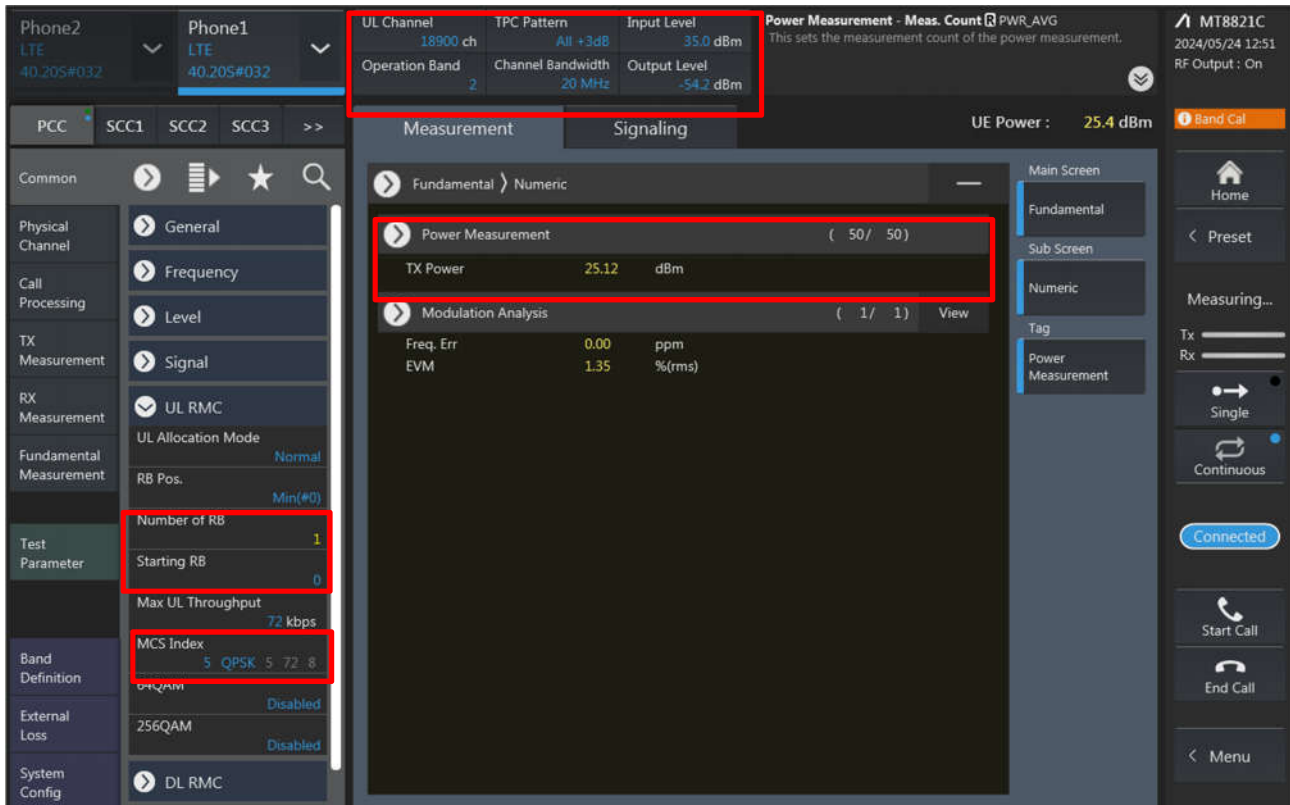
Common Physical Channel Call Processing TX Measurement RX Measurement Fundamental Measurement Test Parameter Band Definition External Loss System Config

General Frequency Level Signal UL RMC DL RMC TDD

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

Main Screen Fundamental Sub Screen Top

Home Preset Measuring... Tx Rx Single Continuous Connected Start Call End Call Menu



Phone2 LTE 40.20S#032

Phone1 LTE 40.20S#032

UL Channel 18900 ch

TPC Pattern All +3dB

Input Level 35.0 dBm

Operation Band 2

Channel Bandwidth 20 MHz

Output Level -54.2 dBm

Power Measurement - Meas. Count PWR_AVG

This sets the measurement count of the power measurement.

MT8821C 2024/05/24 12:51 RF Output : On

UE Power : 25.4 dBm

Band Cal

Common

Physical Channel

Call Processing

TX Measurement

RX Measurement

Fundamental Measurement

Test Parameter

Band Definition

External Loss

System Config

General

Frequency

Level

Signal

UL RMC

UL Allocation Mode Normal

RB Pos. Min(#0)

Number of RB 1

Starting RB 0

Max UL Throughput 72 kbps

MCS Index 5 QPSK 5 72 8

256QAM Disabled

DL RMC

Measurement

Signaling

Fundamental Numeric

Power Measurement (50 / 50)

TX Power 25.12 dBm

Modulation Analysis (1 / 1) View

Freq. Err 0.00 ppm

EVM 1.35 %(rms)

Main Screen

Fundamental

Sub Screen

Numeric

Tag

Power Measurement

Home

Preset

Measuring...

Tx

Rx

Single

Continuous

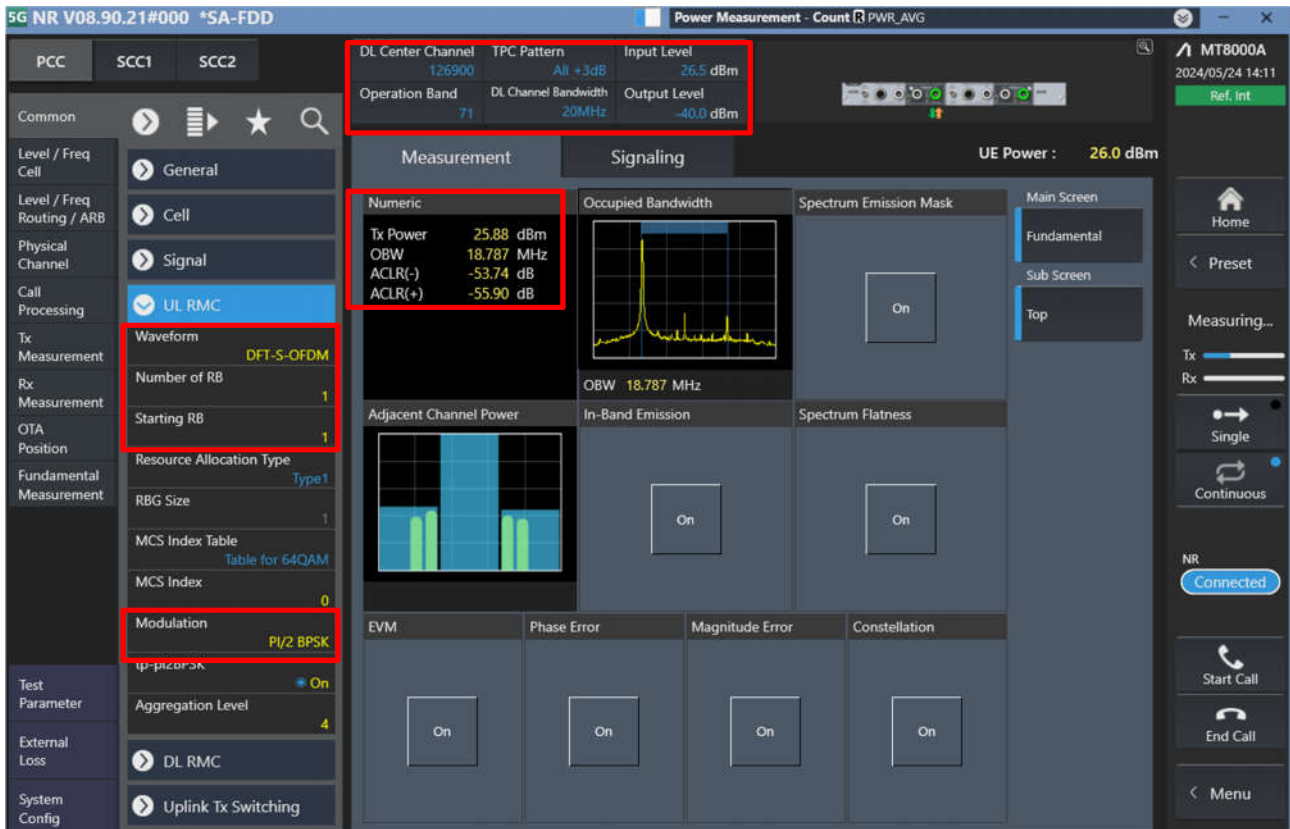
Connected

Start Call

End Call

Menu

<5G NR FR1>



5G NR V08.90.21#000 *SA-FDD

DL Center Channel 126900

TPC Pattern All +3dB

Input Level 26.5 dBm

Operation Band 71

DL Channel Bandwidth 20MHz

Output Level -40.0 dBm

Power Measurement - Count PWR_AVG

MT8000A 2024/05/24 14:11 Ref. Int

UE Power : 26.0 dBm

Common

Level / Freq Cell

Level / Freq Routing / ARB

Physical Channel

Call Processing

TX Measurement

Rx Measurement

OTA Position

Fundamental Measurement

Test Parameter

External Loss

System Config

General

Cell

Signal

UL RMC

Waveform DFT-S-OFDM

Number of RB 1

Starting RB 1

Resource Allocation Type Type1

RBG Size 1

MCS Index Table Table for 64QAM

MCS Index 0

Modulation PI/2 BPSK

Aggregation Level 4

DL RMC

Uplink Tx Switching

Measurement

Signaling

Numeric

Tx Power 25.88 dBm

OBW 18.787 MHz

ACL(-) -53.74 dB

ACL(+) -55.90 dB

Occupied Bandwidth

Spectrum Emission Mask On

Adjacent Channel Power

In-Band Emission On

Spectrum Flatness On

EVM On

Phase Error On

Magnitude Error On

Constellation On

Main Screen

Fundamental

Sub Screen

Top

Home

Preset

Measuring...

Tx

Rx

Single

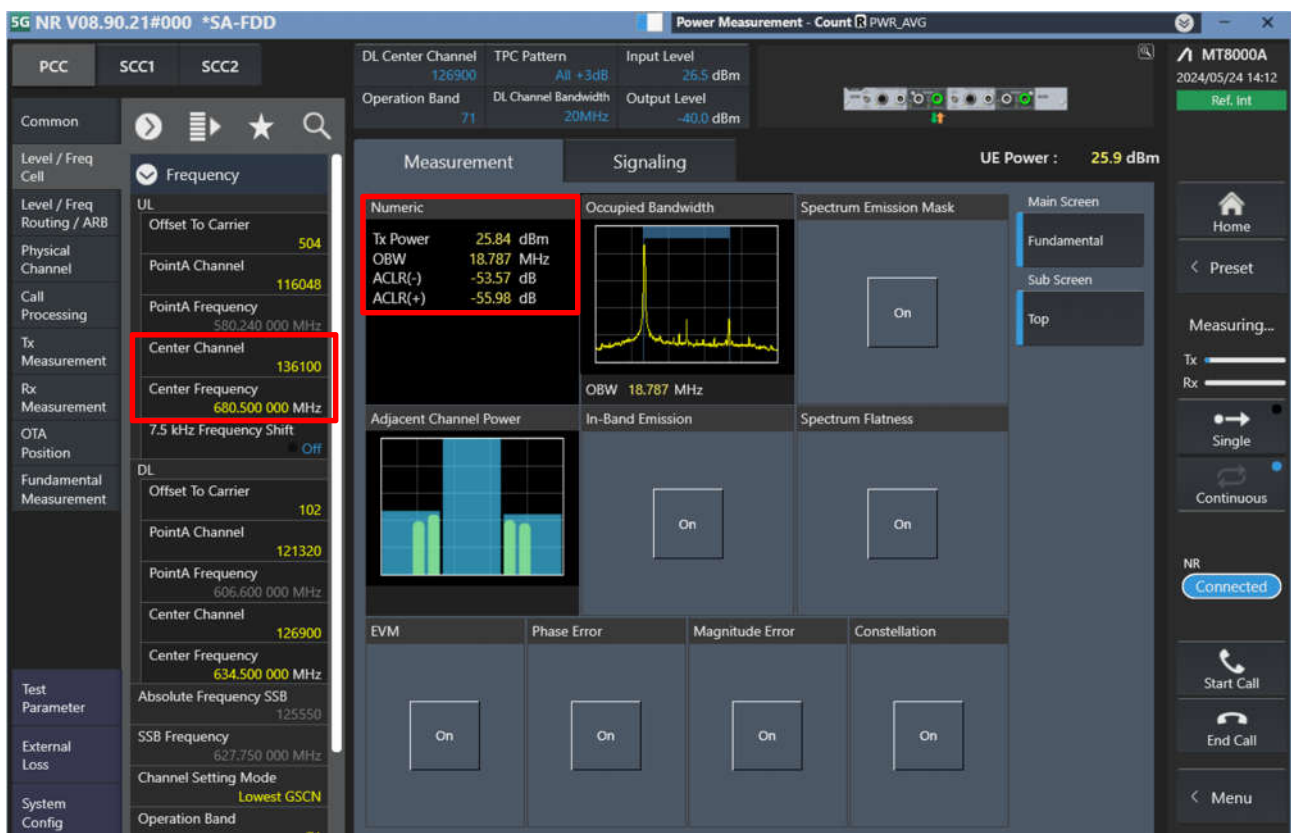
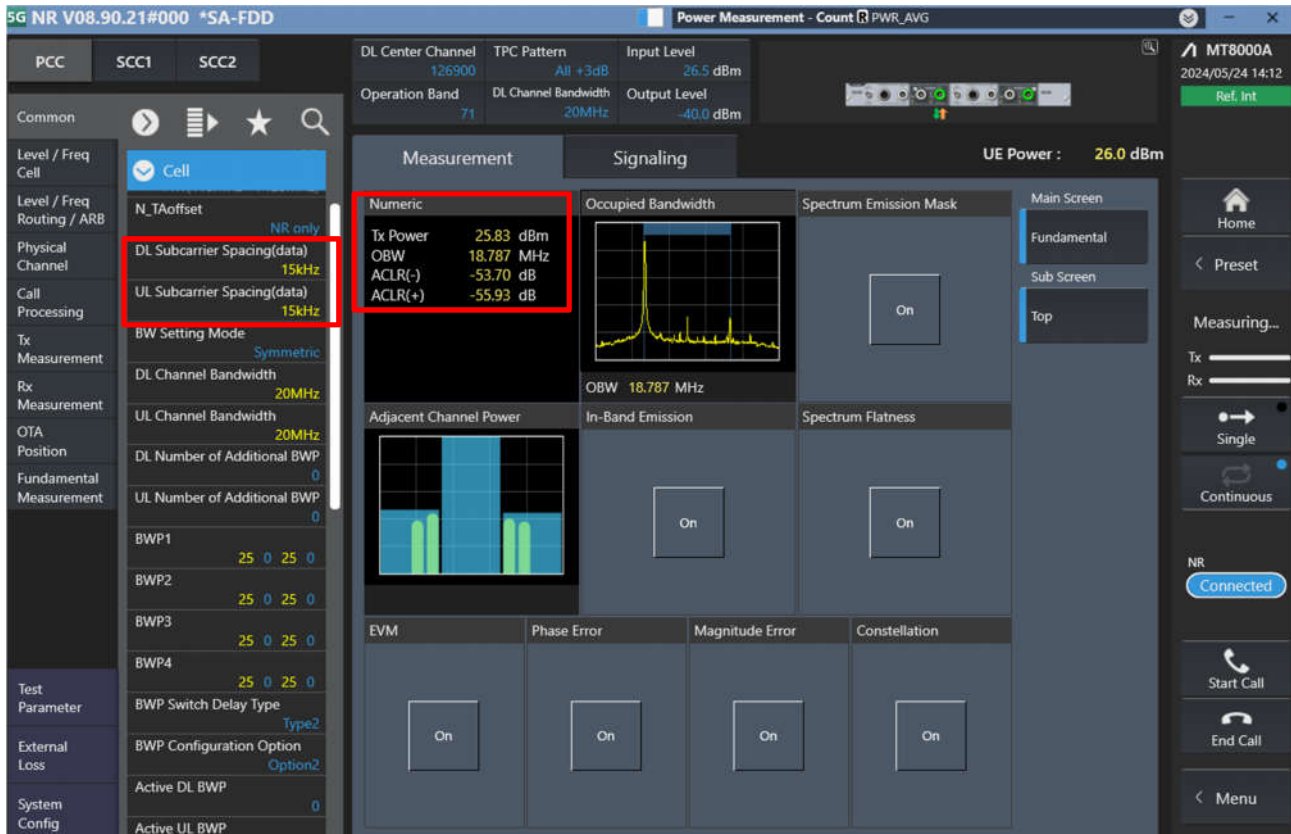
Continuous

Connected

Start Call

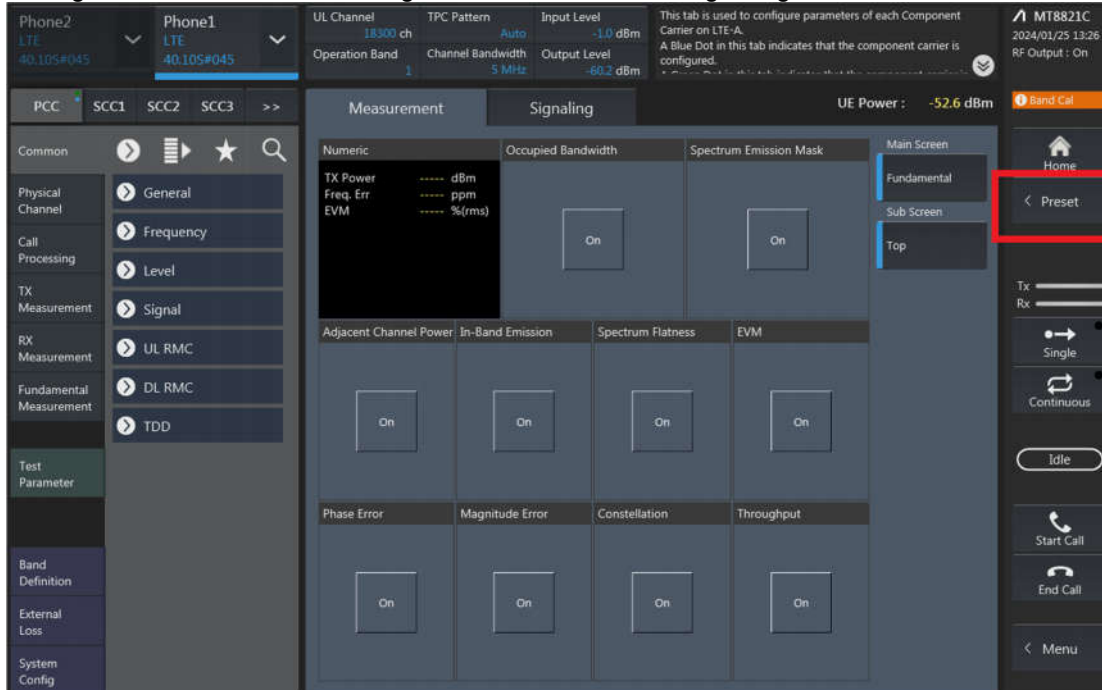
End Call

Menu



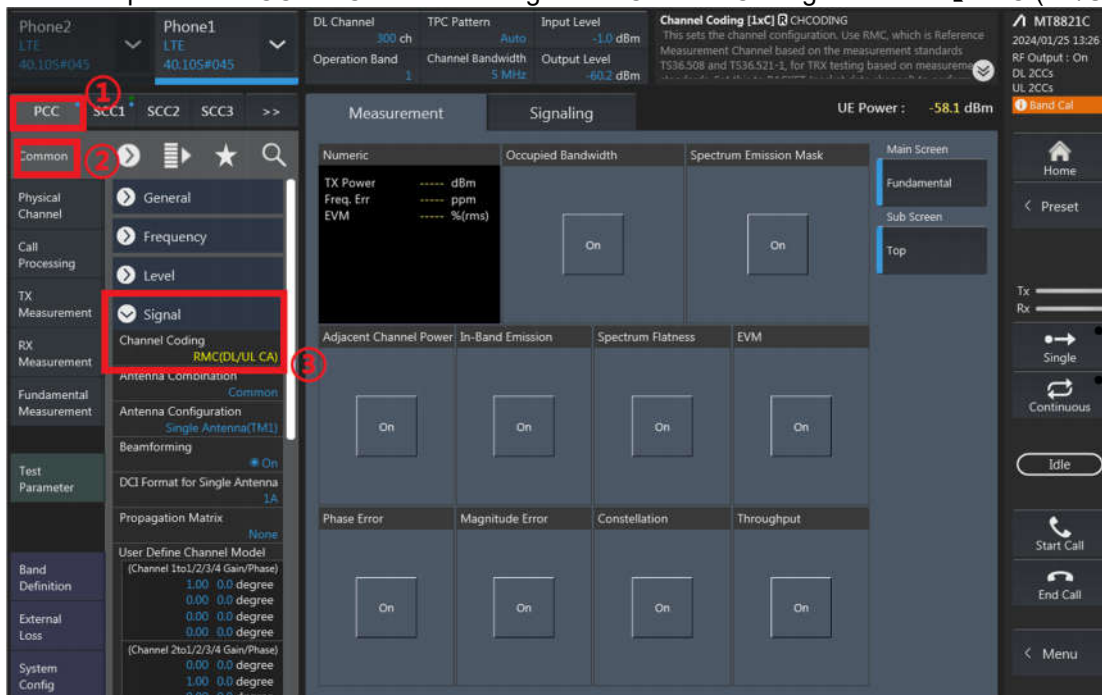
LTE Uplink and Downlink Carrier Aggregation configurations:

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

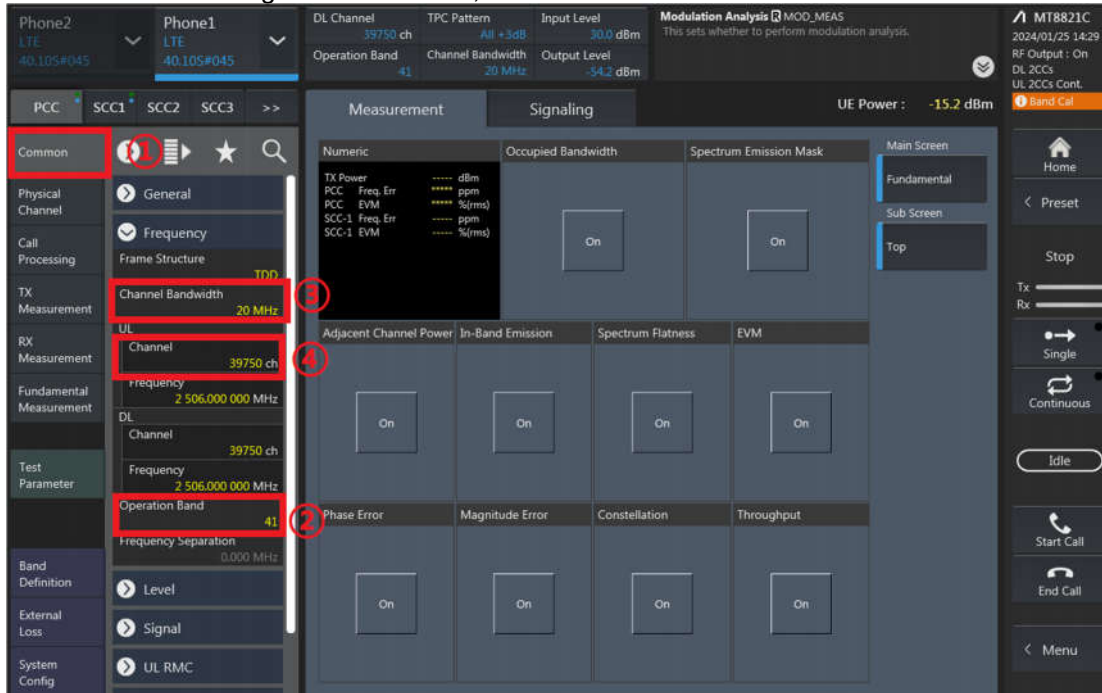


2. If Select "RMC (DL/UL CA)" for Uplink Carrier Aggregation;
If Select "RMC (DL CA)" for Downlink Carrier Aggregation.
For example, Uplink Carrier Aggregation:

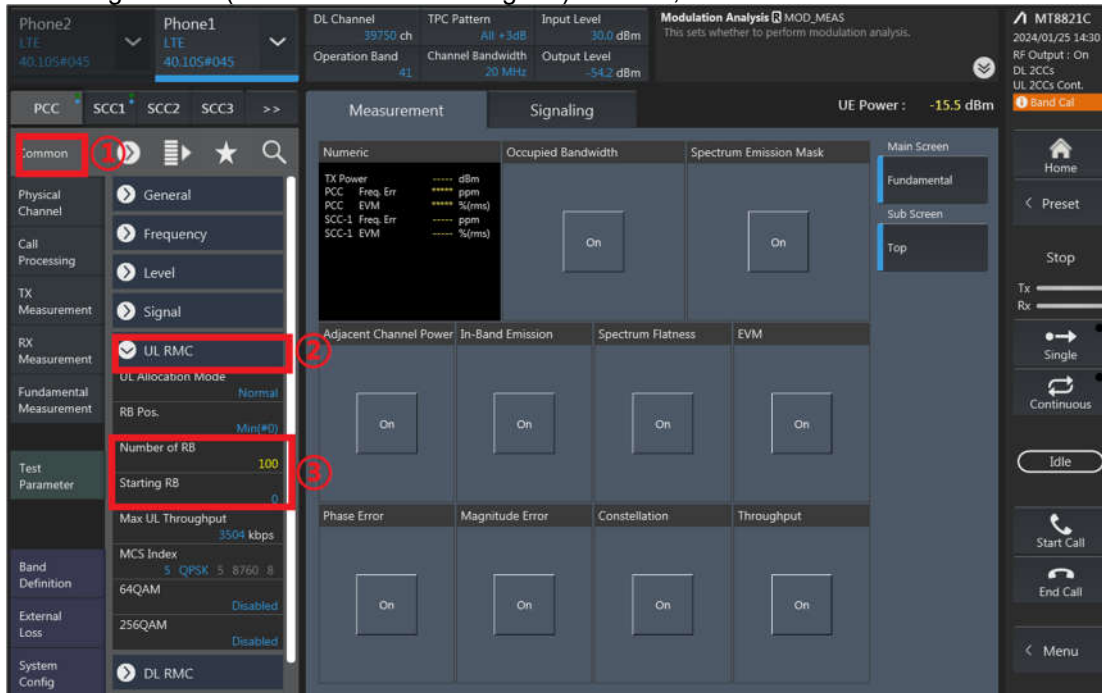
Detailed operation: PCC → Common → Signal → Channel Coding → Select 【RMC (DL/UL CA)】



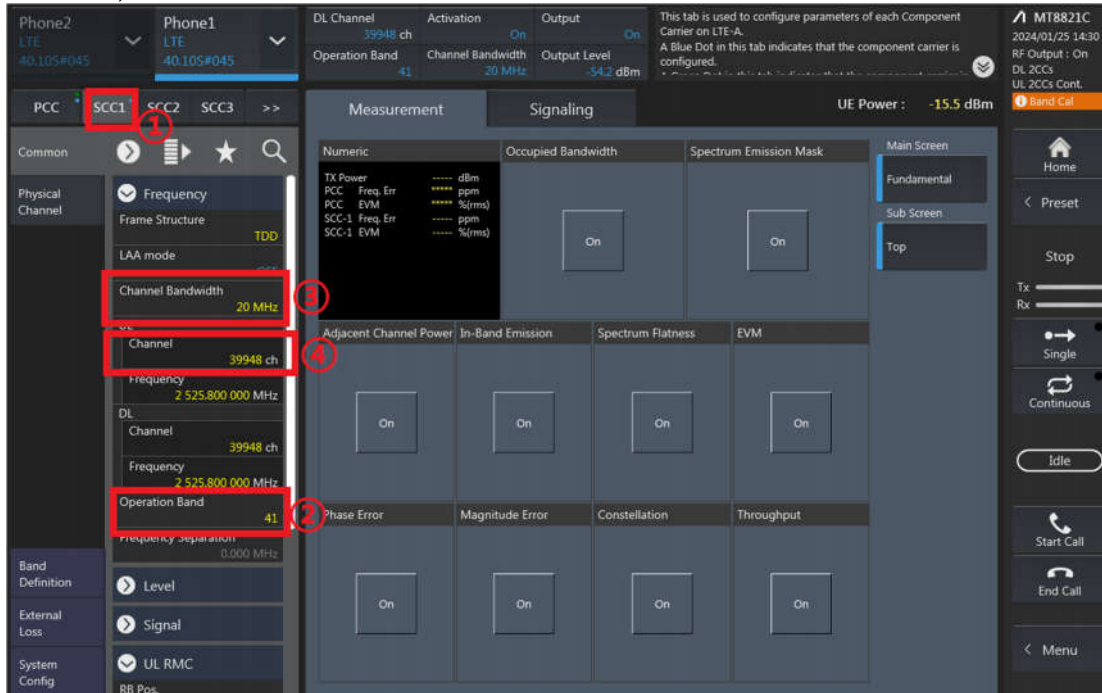
3. PCC parameter Settings: on the screen, and then select the PCC tab and Set operating band, BW, channel and RB configurations for PCC;



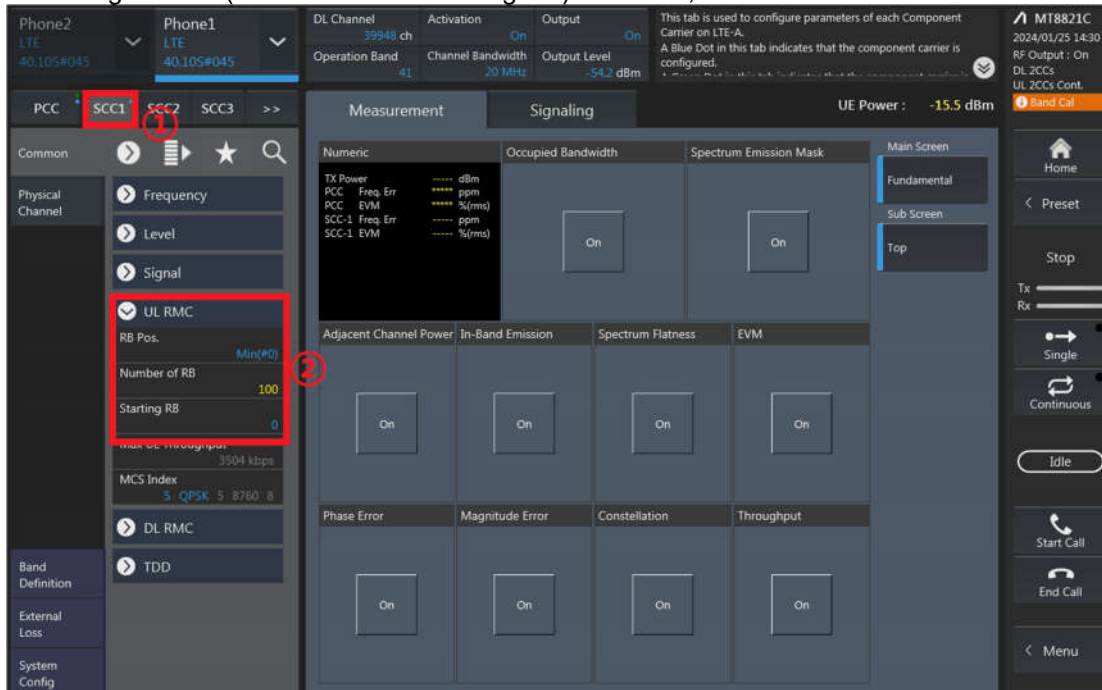
RB configurations (Number of RB / Starting RB) for PCC;



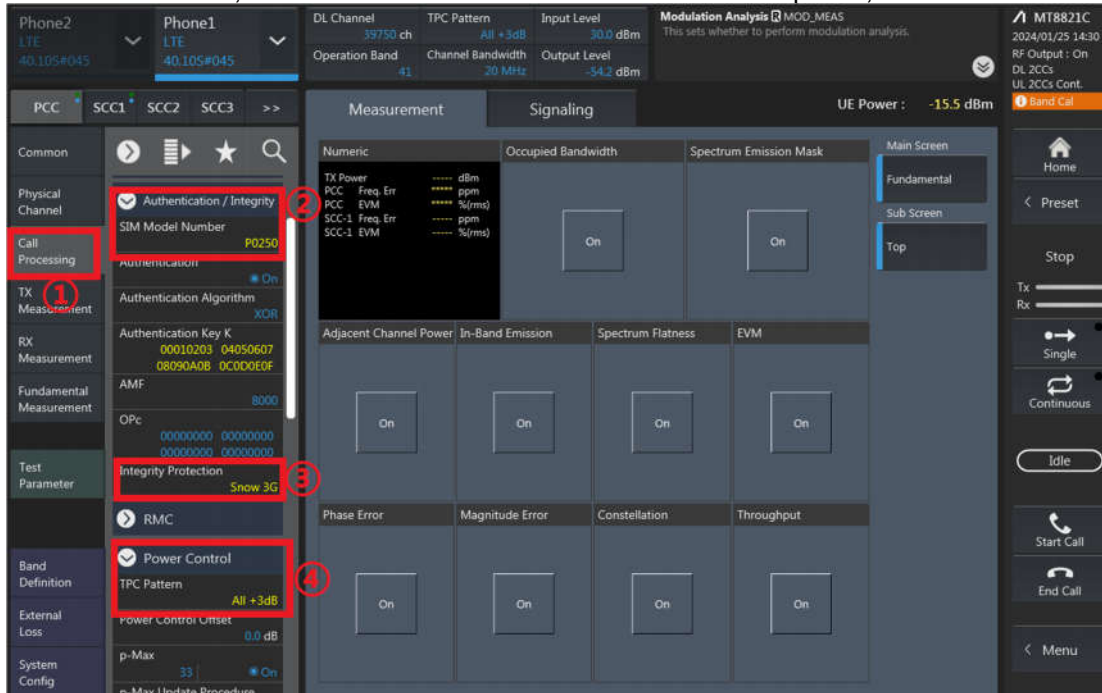
4. SCC parameter Settings: Select the SCC1 tab, Set operating band, BW, channel, and RB configurations for SCC1;



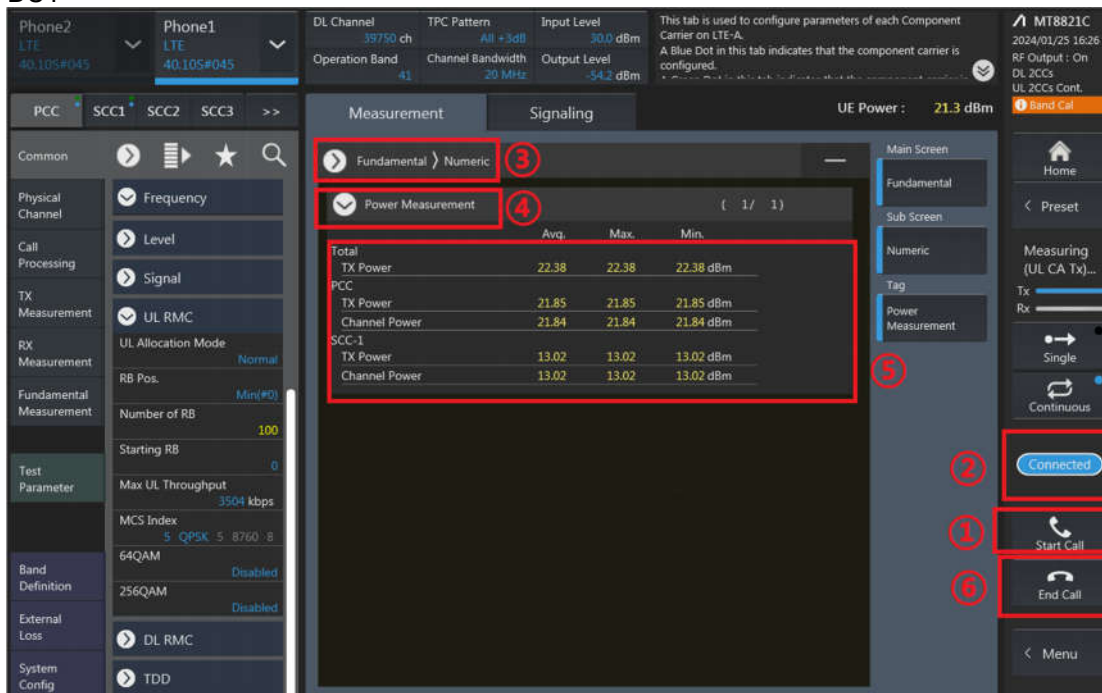
RB configurations (Number of RB / Starting RB) for SCC1;



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



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.

Uplink CA power

Full Power&DSI2

CA_7C Ant 1							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	22.53
21100	21298	QPSK	1	99	1	0	22.85
21350	21152	QPSK	1	0	1	99	22.65

Full Power&DSI2

CA_38C Ant 1							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	22.81
37901	38099	QPSK	1	99	1	0	23.08
38150	37952	QPSK	1	0	1	99	22.85

Full Power&DSI2

CA_41C Ant 1							
Combination 20MHz*20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	22.85
40185	40383	QPSK	1	99	1	0	22.81
40620	40818	QPSK	1	99	1	0	23.05
41055	41253	QPSK	1	99	1	0	22.85
41490	41292	QPSK	1	0	1	99	22.83

Full Power

CA_42C Ant 5							
Combination 20MHz*20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
42190	42388	QPSK	1	99	1	0	22.85
42590	42788	QPSK	1	99	1	0	22.96
42990	42792	QPSK	1	0	1	99	22.83

DSI 3

CA_7C Ant 1							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	22.45
21100	21298	QPSK	1	99	1	0	22.51
21350	21152	QPSK	1	0	1	99	22.43

DSI 3

CA_38C Ant 1							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	22.85
37901	38099	QPSK	1	99	1	0	23.05
38150	37952	QPSK	1	0	1	99	22.79

DSI 7&6

CA_7C Ant 1							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	20.81
21100	21298	QPSK	1	99	1	0	20.89
21350	21152	QPSK	1	0	1	99	20.75

DSI 7&6

CA_38C Ant 1							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	22.89
37901	38099	QPSK	1	99	1	0	23.05
38150	37952	QPSK	1	0	1	99	22.91

DSI 3

CA_41C Ant 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		
39750	39948	QPSK	1	99	1	0	22.85	24.00
40185	40383	QPSK	1	99	1	0	22.89	24.00
40620	40818	QPSK	1	99	1	0	23.11	24.00
41055	41253	QPSK	1	99	1	0	22.89	24.00
41490	41292	QPSK	1	0	1	99	23.01	24.00

DSI 7&6

CA_41C Ant 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		
39750	39948	QPSK	1	99	1	0	22.95	24.00
40185	40383	QPSK	1	99	1	0	22.96	24.00
40620	40818	QPSK	1	99	1	0	23.08	24.00
41055	41253	QPSK	1	99	1	0	22.89	24.00
41490	41292	QPSK	1	0	1	99	22.98	24.00

DSI 2&3

CA_42C Ant 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		
42190	42388	QPSK	1	99	1	0	17.05	18.10
42590	42788	QPSK	1	99	1	0	17.14	18.10
42990	42792	QPSK	1	0	1	99	17.07	18.10

DSI 7

CA_42C Ant 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		
42190	42388	QPSK	1	99	1	0	15.75	16.70
42590	42788	QPSK	1	99	1	0	15.83	16.70
42990	42792	QPSK	1	0	1	99	15.71	16.70

DSI 6

CA_42C Ant 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		
42190	42388	QPSK	1	99	1	0	20.12	21.60
42590	42788	QPSK	1	99	1	0	20.18	21.60
42990	42792	QPSK	1	0	1	99	20.05	21.60

Downlink CA Power

2CA DL

CA List	PCC										SCC				Power		
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	DL RB Offset	LTE	BW	DL	DL	DL Antenna Configuration	Wb-CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB			Band	(MHz)	Freq. (MHz)	Channel		(dBm)	(dBm)
CA_5A-7A	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0			Band 7	20M	2655	3100	4x4MMMO	22.68	22.90
	Band 5	Ant 4	10M	836.5	20525	QPSK	1	0			Band 7	20M	2655	3100	4x4MMMO	22.67	22.97
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MMMO		Band 5	10M	881.5	2525		22.87	23.01
	Band 7	Ant 4	20M	2535	21100	QPSK	1	0	4x4MMMO		Band 5	10M	881.5	2525		22.36	22.57
CA_7A-7A	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MMMO		Band 7	5M	2687.5	3425	4x4MMMO	22.85	23.01
	Band 7	Ant 4	20M	2535	21100	QPSK	1	0	4x4MMMO		Band 7	5M	2687.5	3425	4x4MMMO	22.37	22.57
CA_7B	Band 7	Ant 1	15M	2535	21100	QPSK	1	0	4x4MMMO		Band 7	5M	2544.3	3193	4x4MMMO	22.91	23.01
	Band 7	Ant 4	15M	2535	21100	QPSK	1	0	4x4MMMO		Band 7	5M	2544.3	3193	4x4MMMO	22.45	22.57
CA_7C	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MMMO		Band 7	20M	2554.8	3298	4x4MMMO	22.85	23.01
	Band 7	Ant 4	20M	2535	21100	QPSK	1	0	4x4MMMO		Band 7	20M	2554.8	3298	4x4MMMO	22.97	22.57
CA_7A-26A	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MMMO		Band 26	15M	876.5	6865		22.86	23.01
	Band 7	Ant 4	20M	2535	21100	QPSK	1	0	4x4MMMO		Band 26	15M	876.5	6865		22.39	22.57
	Band 26	Ant 0	10M	831.5	26865	QPSK	1	0			Band 7	20M	2655	3100	4x4MMMO	22.85	22.95
	Band 26	Ant 4	15M	831.5	26865	QPSK	1	0			Band 7	20M	2655	3100	4x4MMMO	22.48	22.72
CA_38C	Band 38	Ant 1	20M	2580	37850	QPSK	1	0	4x4MMMO		Band 38	20M	2599.8	38048	4x4MMMO	22.97	23.12
	Band 38	Ant 4	20M	2580	37850	QPSK	1	0	4x4MMMO		Band 38	20M	2599.8	38048	4x4MMMO	22.30	22.42
CA_41A-42A	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MMMO		Band 42	20M	3000	42590	4x4MMMO	23.04	23.13
	Band 41	Ant 4	20M	2593	40620	QPSK	1	0	4x4MMMO		Band 42	20M	3000	42590	4x4MMMO	22.30	22.48
	Band 42	Ant 5	20M	3500	42590	QPSK	1	0	4x4MMMO		Band 41	20M	2593	40620	4x4MMMO	22.78	23.02

3CA DL																						
3CA List	PCC									SCC1					SCC2				Power			
	LTE	BW	BW	UL	UL	UL#	UL	DL Antenna Configuration	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	Power		
	Band	Ant	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		With CA (dBm)	Without CA (dBm)	
CA_41A-41A-41A	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	Band 41	20M	2506	39750	4x4MIMO	22.98	23.13	
	Band 41	Ant 4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	Band 41	20M	2506	39750	4x4MIMO	22.23	22.49	
CA_41A-42C	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	Band 42	20M	3519.8	42786	4x4MIMO	23.11	23.13	
	Band 41	Ant 4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	Band 42	20M	3519.8	42786	4x4MIMO	22.43	22.49	
CA_41C-42A	Band 42	Ant 5	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3519.8	42786	4x4MIMO	Band 41	20M	2506	40620	4x4MIMO	22.94	23.02	
	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	23.06	23.13	
CA_41C-42A	Band 41	Ant 4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	22.43	22.49	
	Band 42	Ant 5	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	22.81	23.02	
CA_42D	Band 42	Ant 5	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3519.8	42786	4x4MIMO	Band 42	20M	3539.6	42986	4x4MIMO	22.59	23.02	

4CA DL

Configure	PCC									SCC1				SCC2				SCC3				Power				
	LTE	BW	BW	UL	UL	UL#	UL	DL Antenna Configuration		LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA					
	Band	Ant	Freq (MHz)	Freq (MHz)	Channel	Mod.	RB	RB Offset	DL Antenna Configuration	Band	Ant	Freq (MHz)	Channel	DL Antenna Configuration	Band	Ant	Freq (MHz)	Channel	DL Antenna Configuration	Tx. Power (dBm)	Tx. Power (dBm)					
	Band	Ant	Freq (MHz)	Channel	Mod.	RB	RB Offset	DL Antenna Configuration	Band	Ant	Freq (MHz)	Channel	DL Antenna Configuration	Band	Ant	Freq (MHz)	Channel	DL Antenna Configuration	Tx. Power (dBm)	Tx. Power (dBm)						
CA_41A-41A-41C	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	Band 41	20M	2596	39750	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO	23.05	23.13
	Band 41	Ant 4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	Band 41	20M	2596	39750	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO	22.38	22.46
CA_41A-41D	Band 41	Ant 1	20M	2596	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2640.4	41094	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO	23.07	23.13
	Band 41	Ant 4	20M	2596	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2640.4	41094	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO	22.44	22.49
CA_41C-41C	Band 41	Ant 1	20M	2596	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2635.8	39948	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO	23.11	23.13
	Band 41	Ant 4	20M	2596	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2635.8	39948	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO	22.45	22.48
CA_41C-42C	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 42	20M	3600	42590	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	23.01	23.13
	Band 41	Ant 4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 42	20M	3600	42590	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	22.33	22.48
CA_41E	Band 42	Ant 5	30M	3600	42590	QPSK	1	0	4x4MIMO	Band 42	30M	3519.8	42788	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	22.94	23.02
	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	23.07	23.13
CA_42E	Band 41	Ant 4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	22.40	22.49
	Band 42	Ant 5	30M	3600	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	Band 42	20M	3539.6	42594	4x4MIMO	Band 42	20M	3559.4	43184	4x4MIMO	22.86	23.02