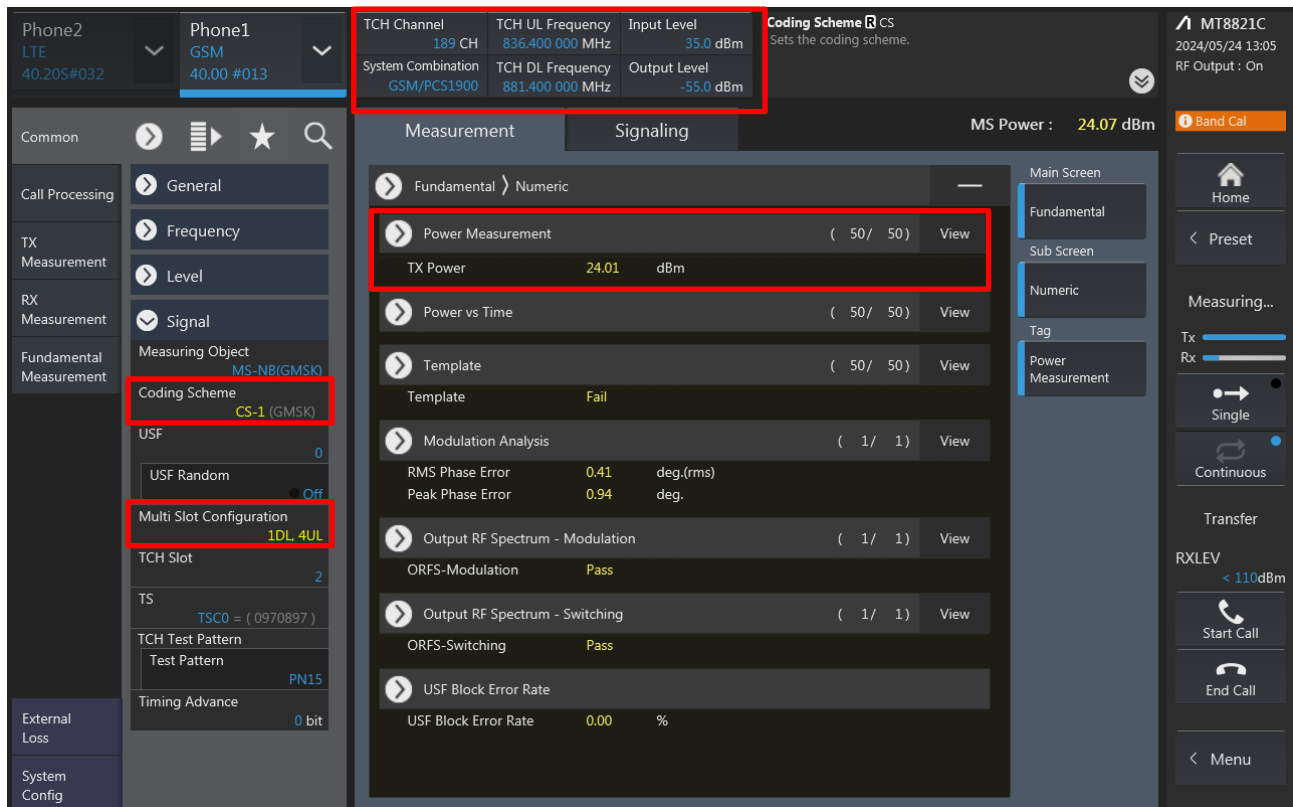


Power measurement connection diagram:

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.

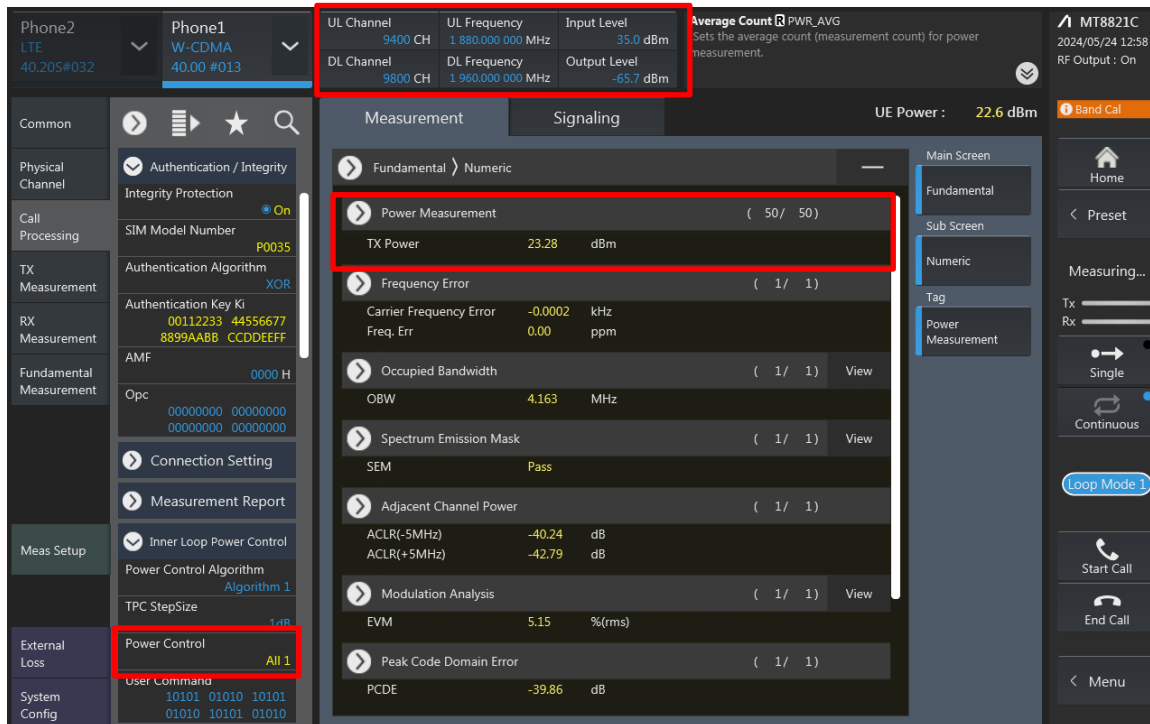
<GSM>



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

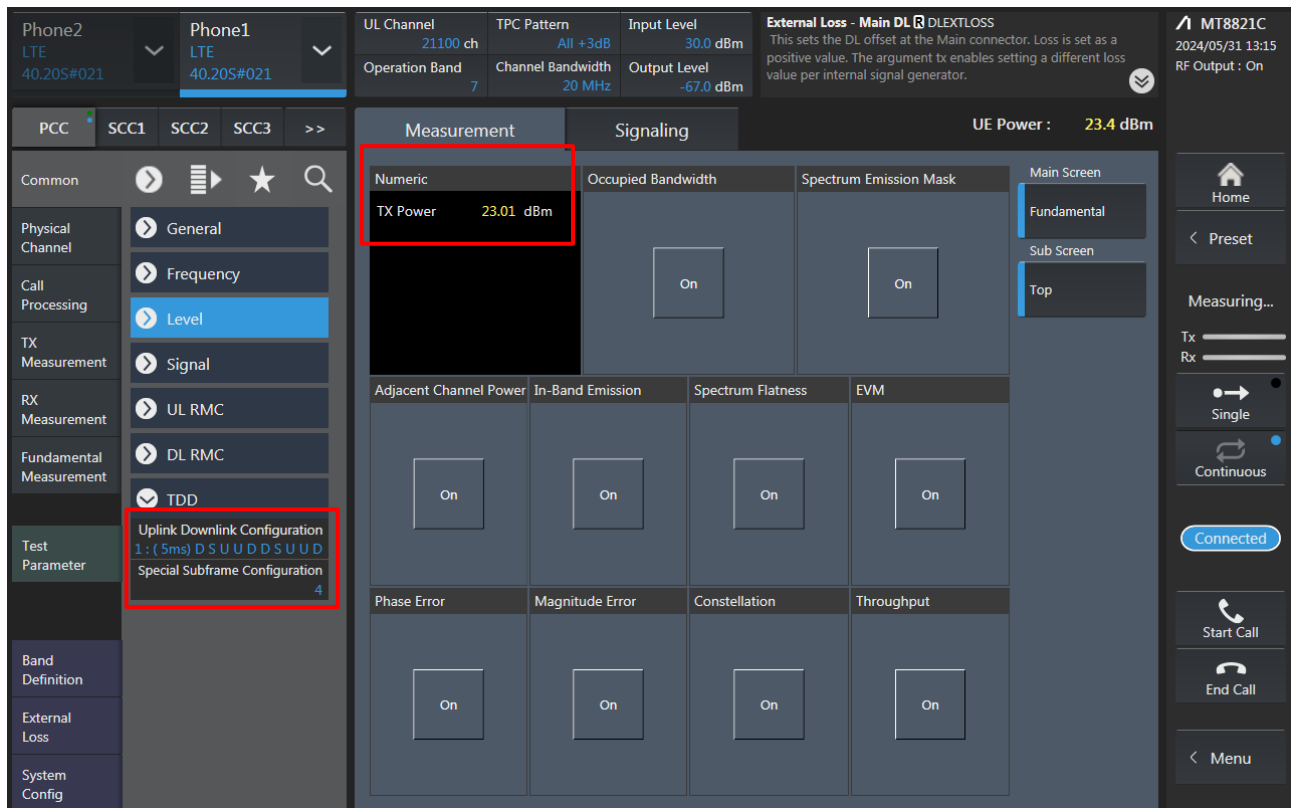
- Top Bar:** Shows Phone2 (LTE, 40.205#032) and Phone1 (GSM, 40.00 #013). It also displays TCH Channel (189 CH), TCH UL Frequency (836.400 000 MHz), Input Level (35.0 dBm), TCH DL Frequency (881.400 000 MHz), and Output Level (-55.0 dBm). The Coding Scheme is set to CS.
- Left Sidebar:** Contains navigation options like Common, Call Processing, TX Measurement, RX Measurement, Fundamental Measurement, and External Loss. The 'Fundamental Measurement' section is expanded, showing 'Coding Scheme' (CS-1 (GMSK)) and 'Multi Slot Configuration' (1DL, 4UL).
- Main Area:** Displays 'Measurement' and 'Signaling' tabs. The 'Measurement' tab is active, showing 'Fundamental' and 'Numeric' views. The 'Power Measurement' section is highlighted, showing 'TX Power' (24.01 dBm). Other measurements include 'Power vs Time', 'Template', 'Modulation Analysis', 'Output RF Spectrum - Modulation', 'Output RF Spectrum - Switching', and 'USF Block Error Rate'.
- Right Sidebar:** Shows 'Main Screen' and 'Sub Screen' options. It also displays 'MT8821C' and '2024/05/24 13:05'.

<WCDMA>



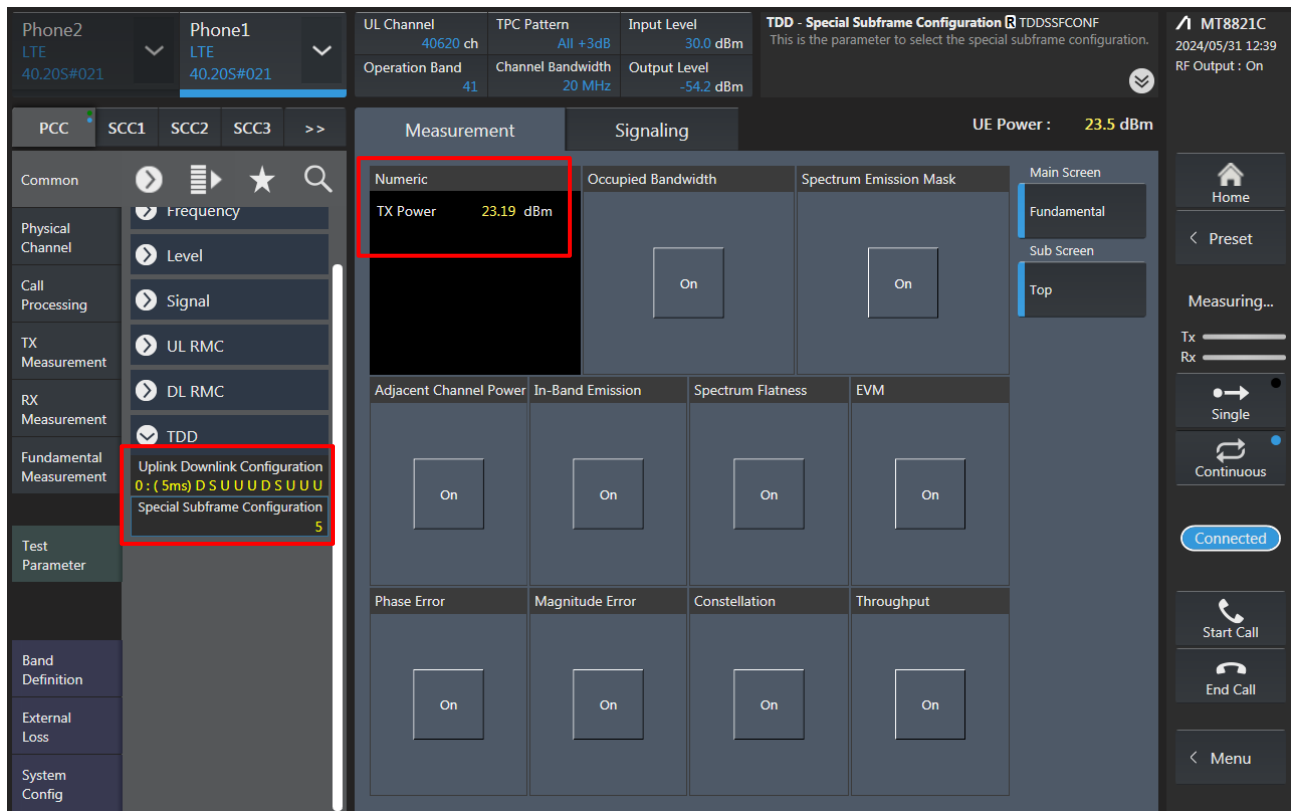
The screenshot shows the WCDMA measurement interface. The top bar displays 'Phone2 LTE 40.20S#032' and 'Phone1 W-CDMA 40.00 #013'. The 'Measurement' tab is active, showing a list of metrics. A red box highlights the 'Power Measurement' section, which includes 'TX Power' at 23.28 dBm. Another red box highlights the 'UL Channel' and 'DL Channel' settings, showing 'UL Channel 9400 CH' and 'DL Channel 9800 CH'. The 'UE Power' is 22.6 dBm. The 'Main Screen' on the right shows 'Fundamental' and 'Sub Screen' options.

<LTE>



The screenshot shows the LTE measurement interface. The top bar displays 'Phone2 LTE 40.20S#021' and 'Phone1 LTE 40.20S#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, 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 'Main Screen' on the right shows 'Fundamental' and 'Sub Screen' options.

<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 TDDSSFCNF 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

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

Common Frequency

Physical Channel Level

Call Processing Signal

TX Measurement UL RMC

RX Measurement DL RMC

Fundamental Measurement TDD

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

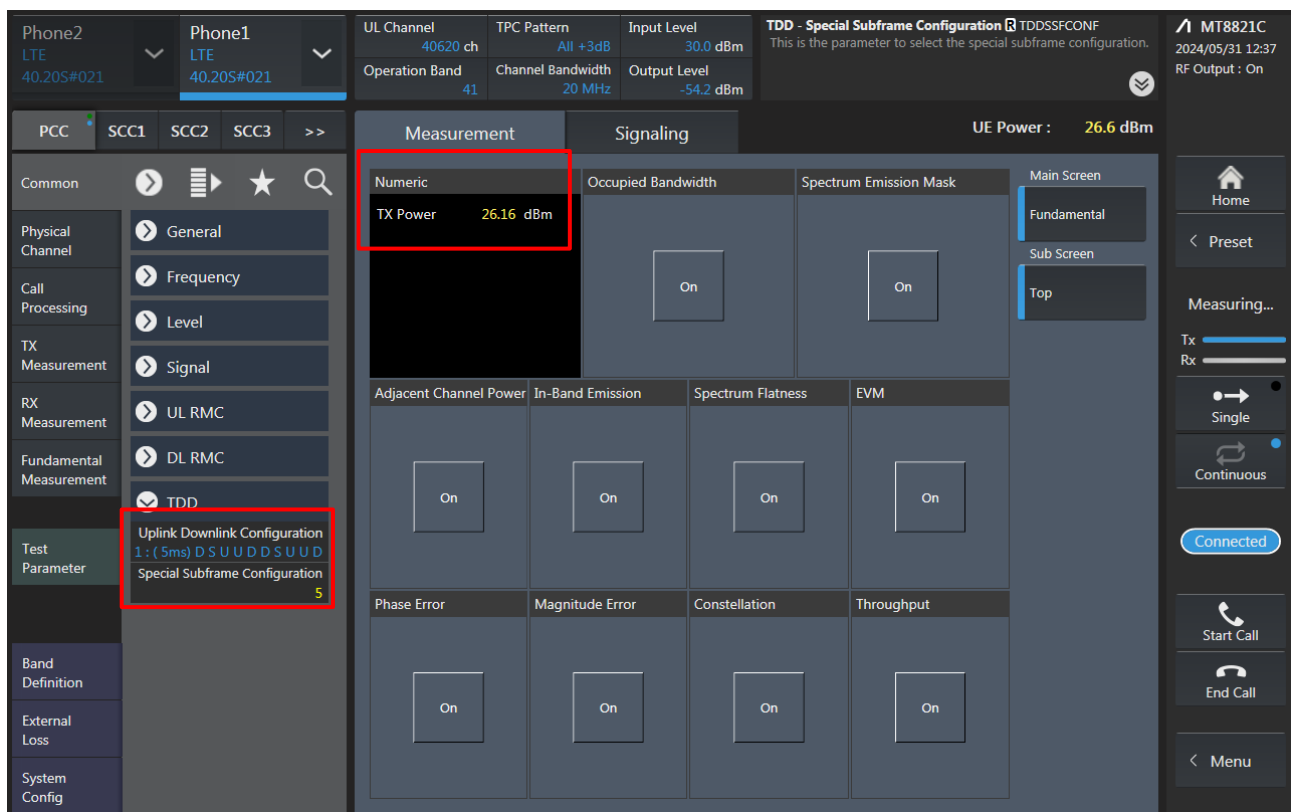
Special Subframe Configuration 5

Test Parameter

Band Definition External Loss System Config

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 TDDSSFCNF 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

UE Power : 26.6 dBm

Measurement Signaling

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 General

Physical Channel Frequency

Call Processing Level

TX Measurement Signal

RX Measurement UL RMC

Fundamental Measurement DL RMC

Fundamental Measurement TDD

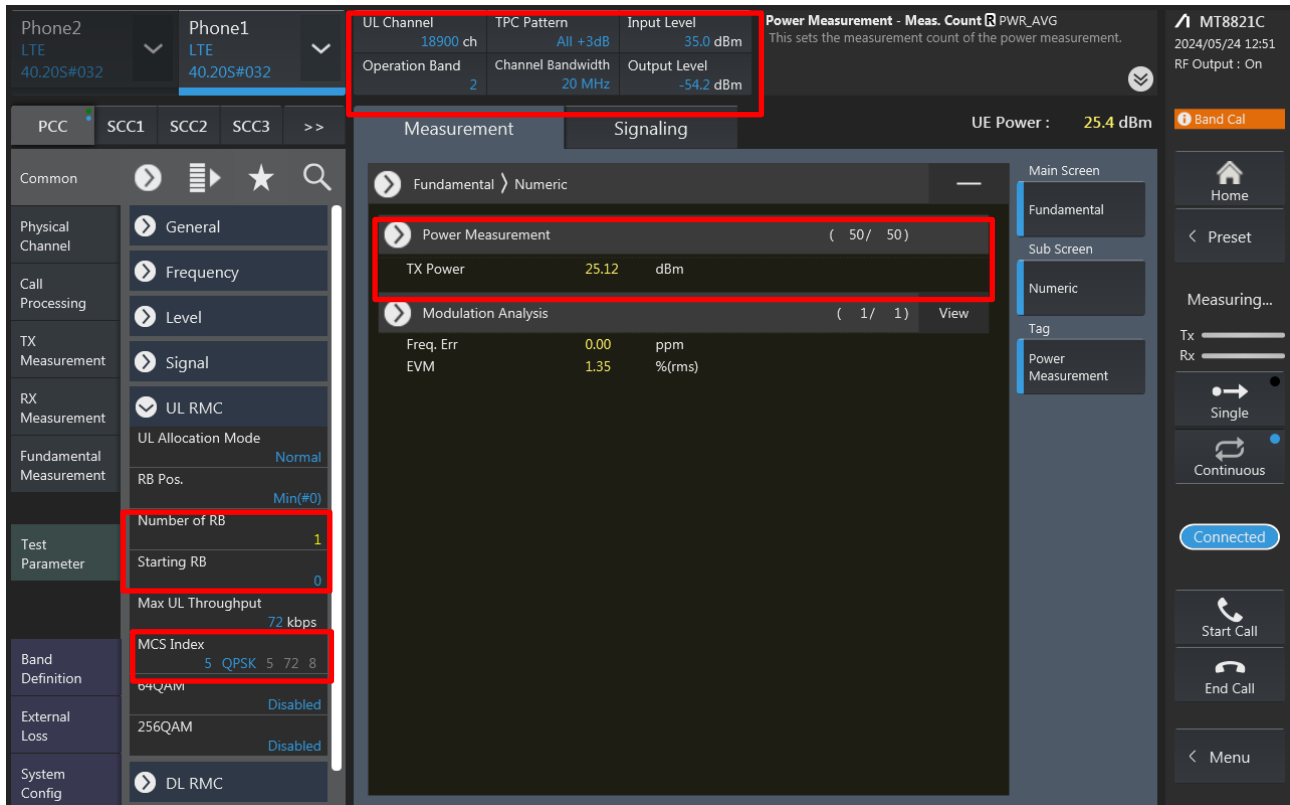
Uplink Downlink Configuration 1 : (5ms) D S U U U D D S U U U D

Special Subframe Configuration 5

Test Parameter

Band Definition External Loss System Config

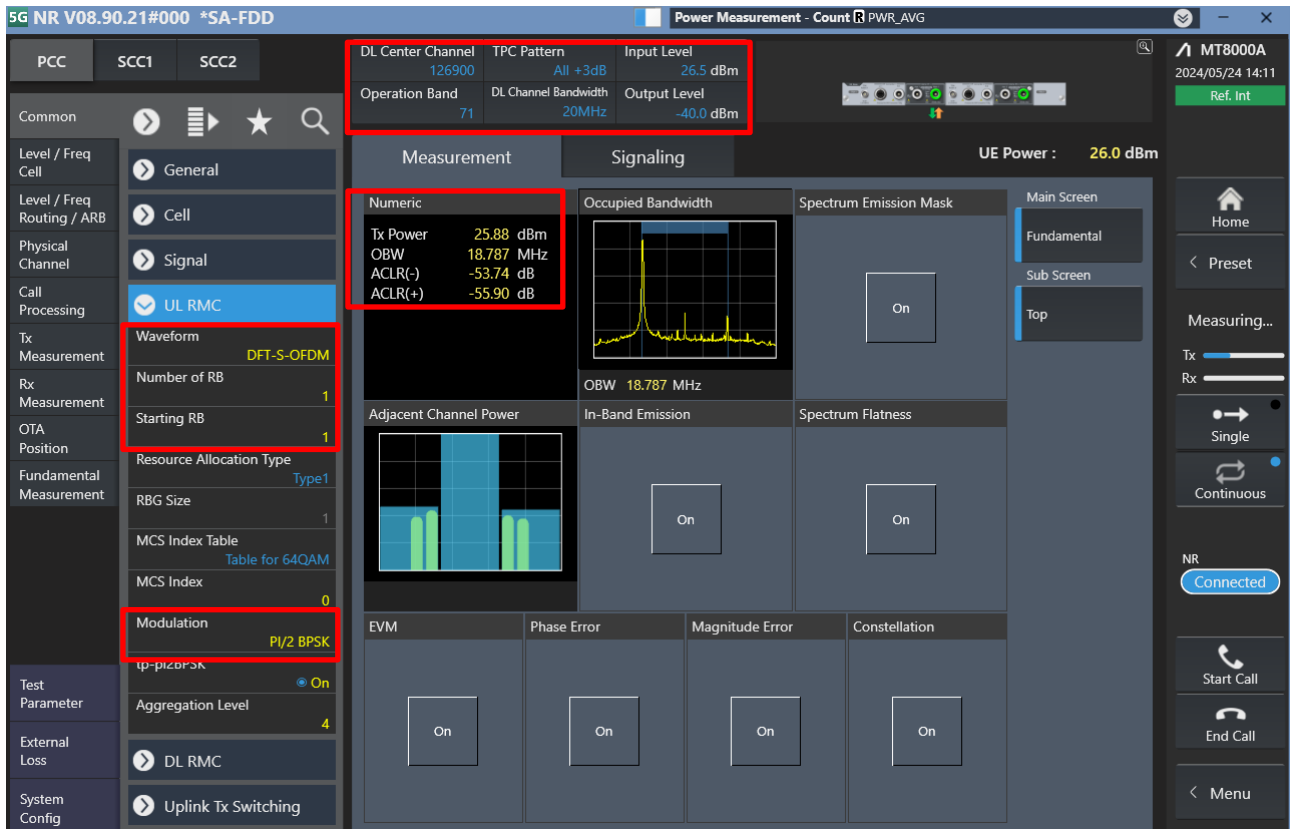
Home Preset Measuring... Tx Rx Single Continuous Connected Start Call End Call Menu



The screenshot displays the LTE test interface with the following configuration and measurement data:

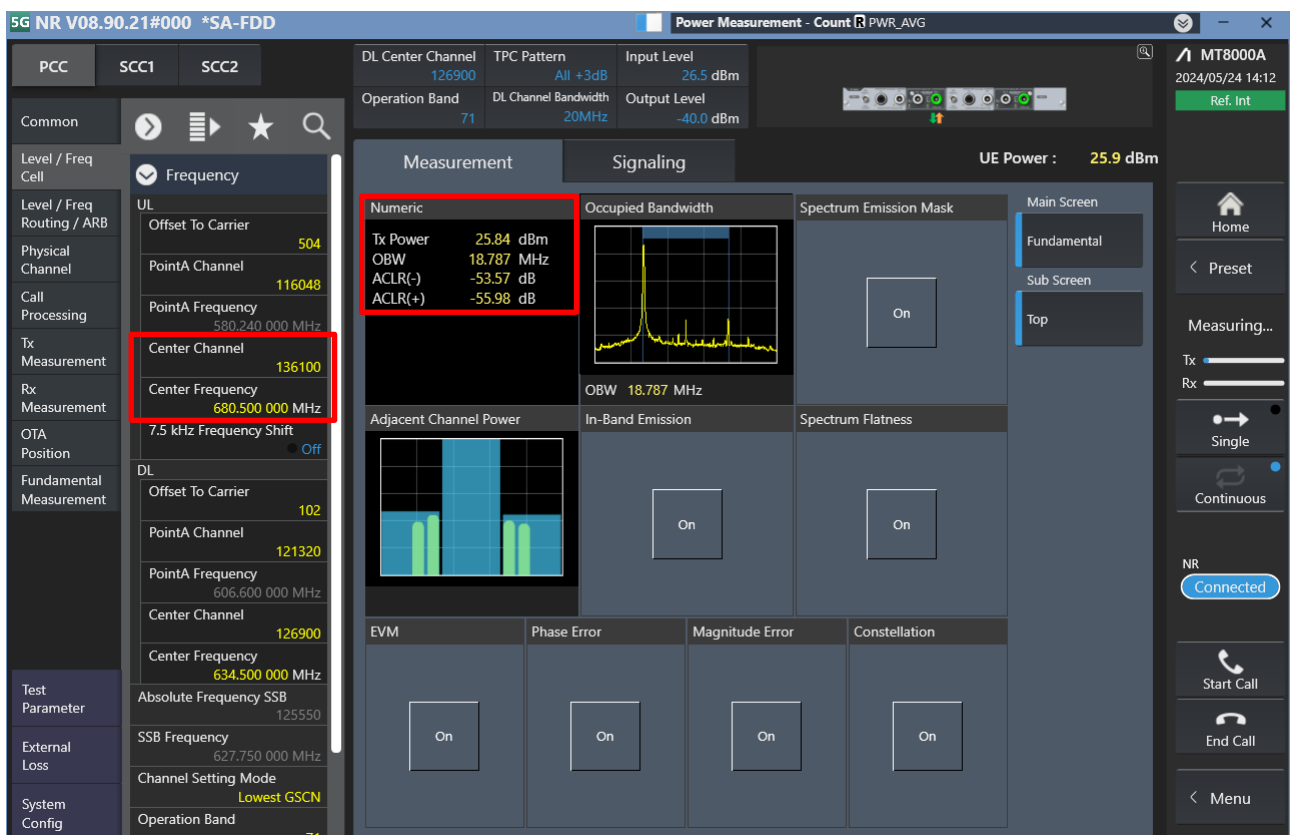
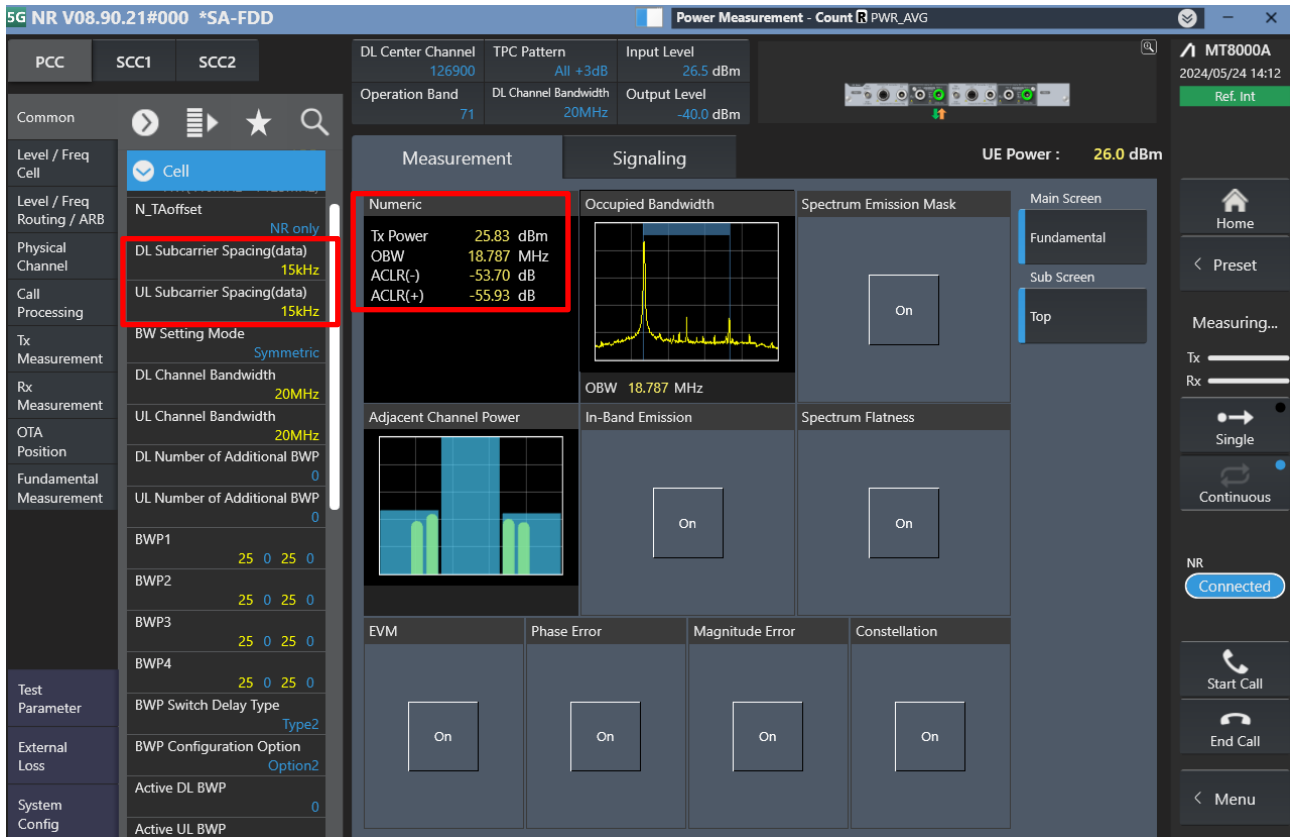
- Phone Configuration:** Phone1 (LTE, 40.20S#032) and Phone2 (LTE, 40.20S#032).
- Measurement Parameters:**
 - UL Channel: 18900 ch
 - TPC Pattern: All +3dB
 - Input Level: 35.0 dBm
 - Operation Band: 2
 - Channel Bandwidth: 20 MHz
 - Output Level: -54.2 dBm
- Power Measurement:** Meas. Count (PWR_AVG) - This sets the measurement count of the power measurement.
- UE Power:** 25.4 dBm
- Measurement Results:**
 - Power Measurement: TX Power 25.12 dBm
 - Modulation Analysis: Freq. Err 0.00 ppm, EVM 1.35 % (rms)
- Test Parameters:**
 - Number of RB: 1
 - Starting RB: 0
 - Max UL Throughput: 72 kbps
 - MCS Index: 5 QPSK 5 72 8
 - Band Definition: 64QAM
 - External Loss: 256QAM
 - System Config: DL RMC

<5G NR FR1>



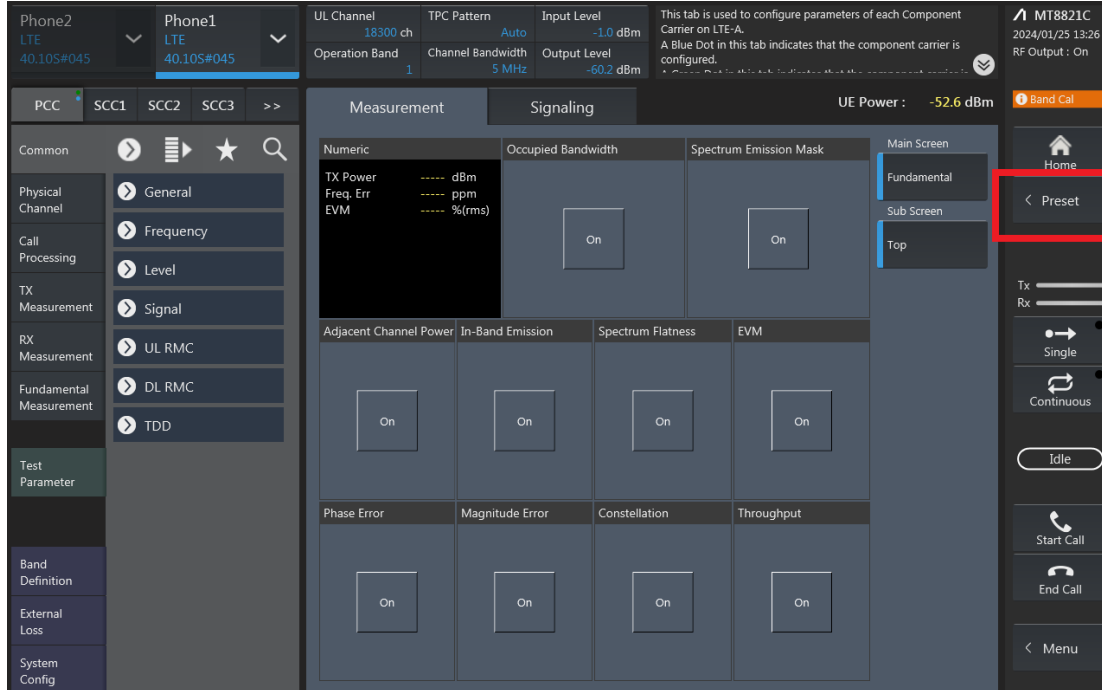
The screenshot displays the 5G NR FR1 test interface with the following configuration and measurement data:

- 5G NR Configuration:** 5G NR V08.90.21#000 *SA-FDD
- Measurement Parameters:**
 - 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)
- UE Power:** 26.0 dBm
- Measurement Results:**
 - Numeric: Tx Power 25.88 dBm, OBW 18.787 MHz, ACLR(-) -53.74 dB, ACLR(+) -55.90 dB
 - Occupied Bandwidth: 18.787 MHz
 - Adjacent Channel Power: On
 - In-Band Emission: On
 - Spectrum Flatness: On
 - EVM: On
 - Phase Error: On
 - Magnitude Error: On
 - Constellation: On
- Test Parameters:**
 - 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: On
 - Uplink Tx Switching: On



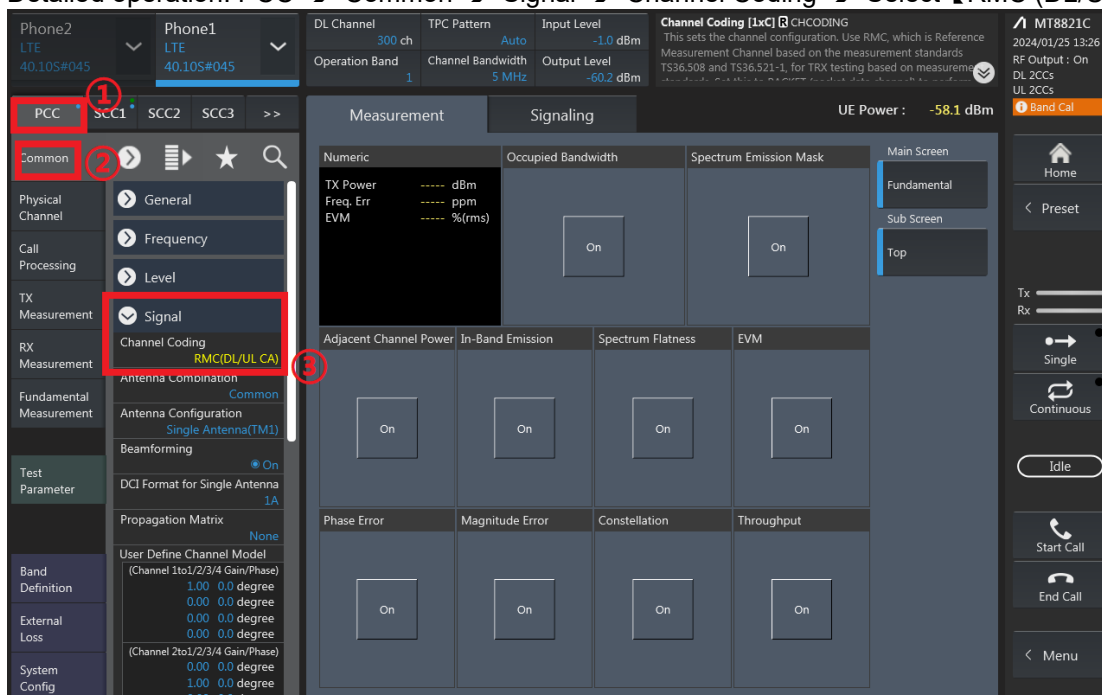
LTE Uplink and Downlink Carrier Aggregation configurations:

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

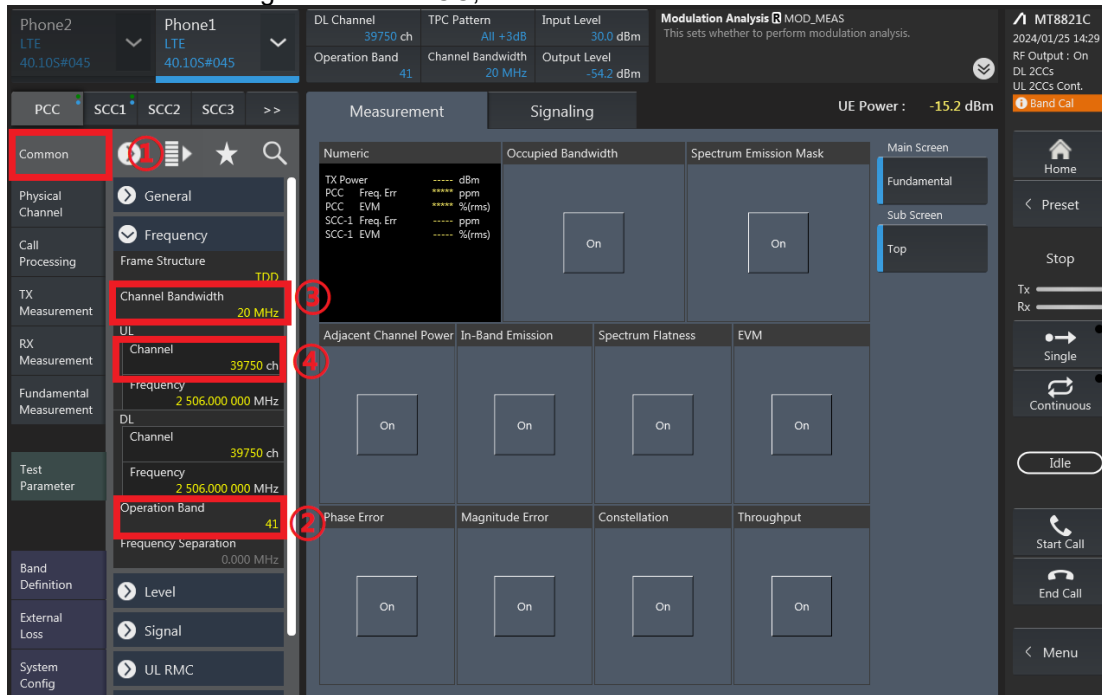


2. If Select "RMC (DL/UL CA)" for Uplink Carrier Aggregation;
If Select "RMC (DL CA)" for Downlink Carrier Aggregation.
For example, Uplink Carrier Aggregation:

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 PPM PCC EVM % (rms) SCC-1 Freq. Err. PPM SCC-1 EVM % (rms)

Occupied Bandwidth

Spectrum Emission Mask

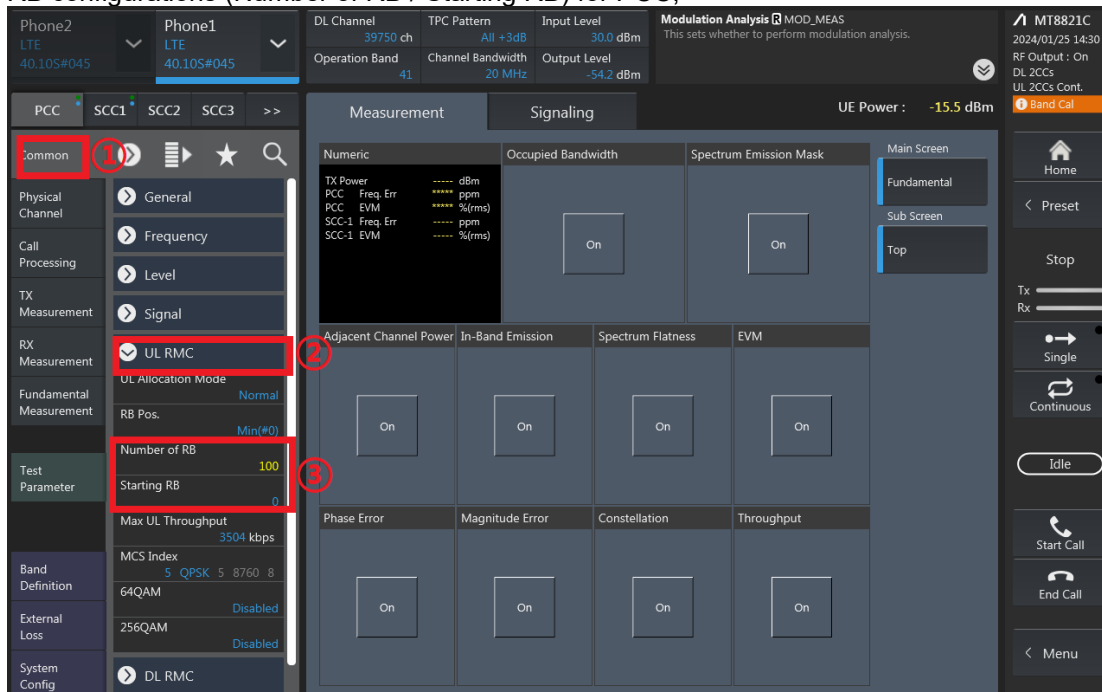
Main Screen Fundamental Sub Screen Top

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

Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

Phase Error Magnitude Error Constellation Throughput

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 PPM PCC EVM % (rms) SCC-1 Freq. Err. PPM SCC-1 EVM % (rms)

Occupied Bandwidth

Spectrum Emission Mask

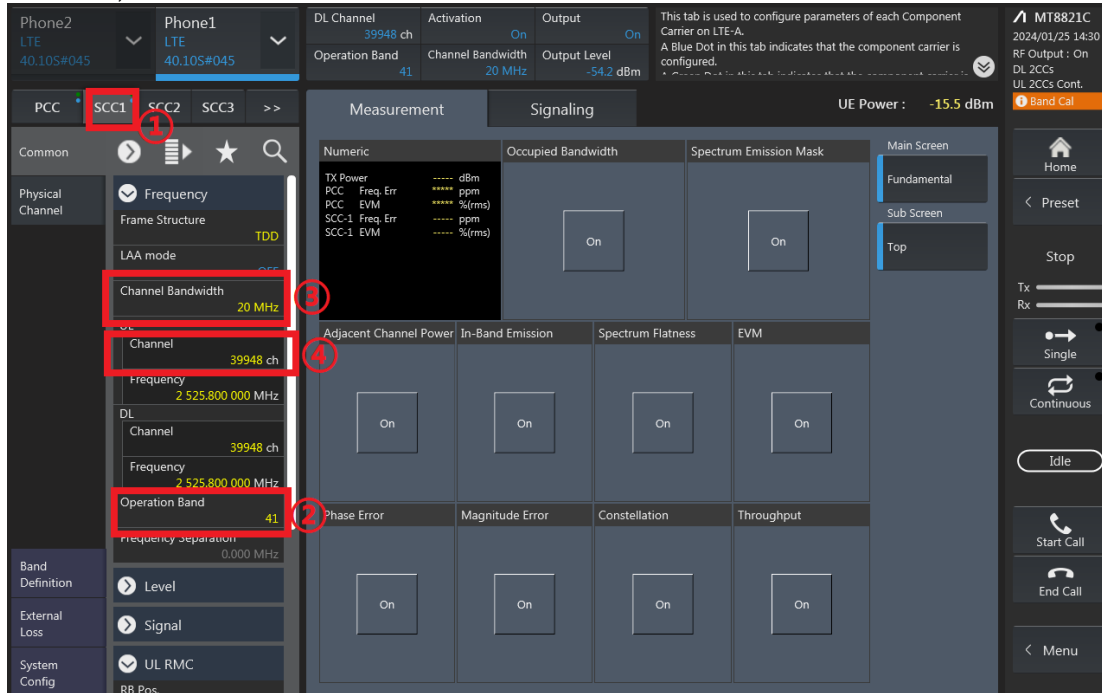
Main Screen Fundamental Sub Screen Top

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

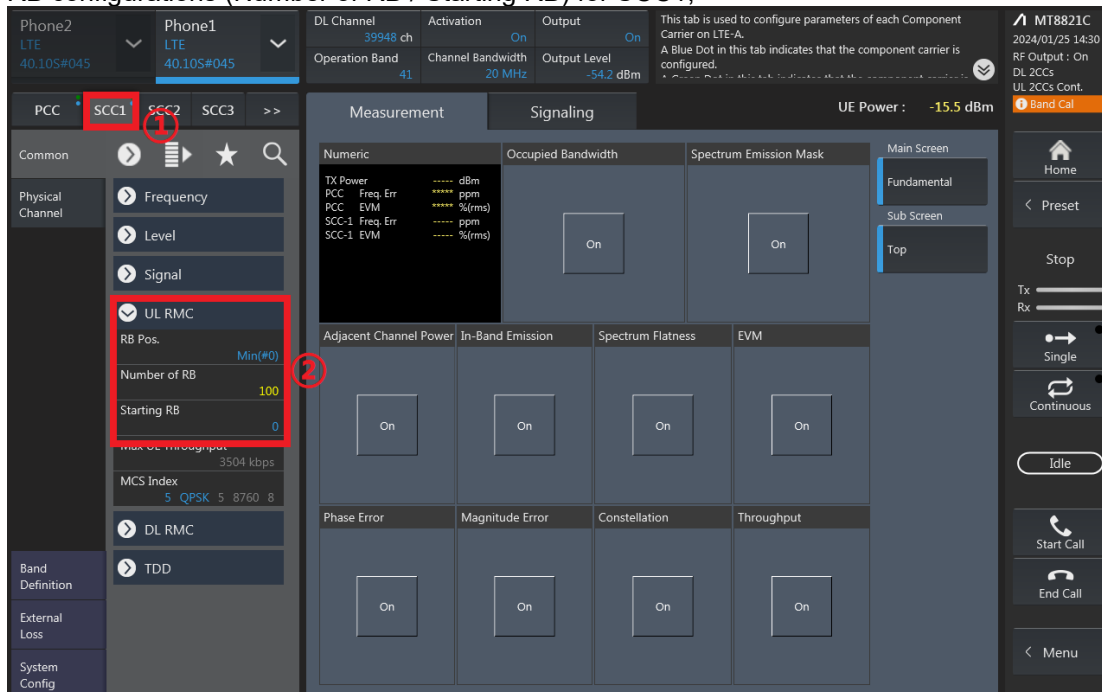
Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

Phase Error Magnitude Error Constellation Throughput

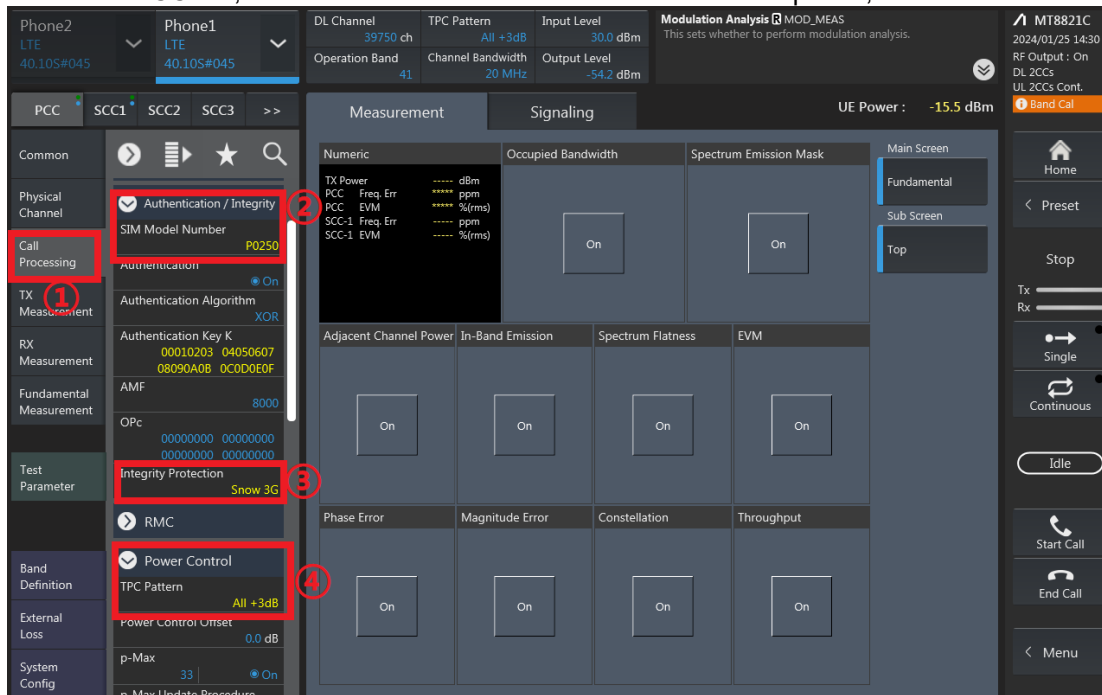
4. SCC parameter Settings: Select the SCC1 tab, Set operating band, BW, channel, and RB configurations for SCC1;



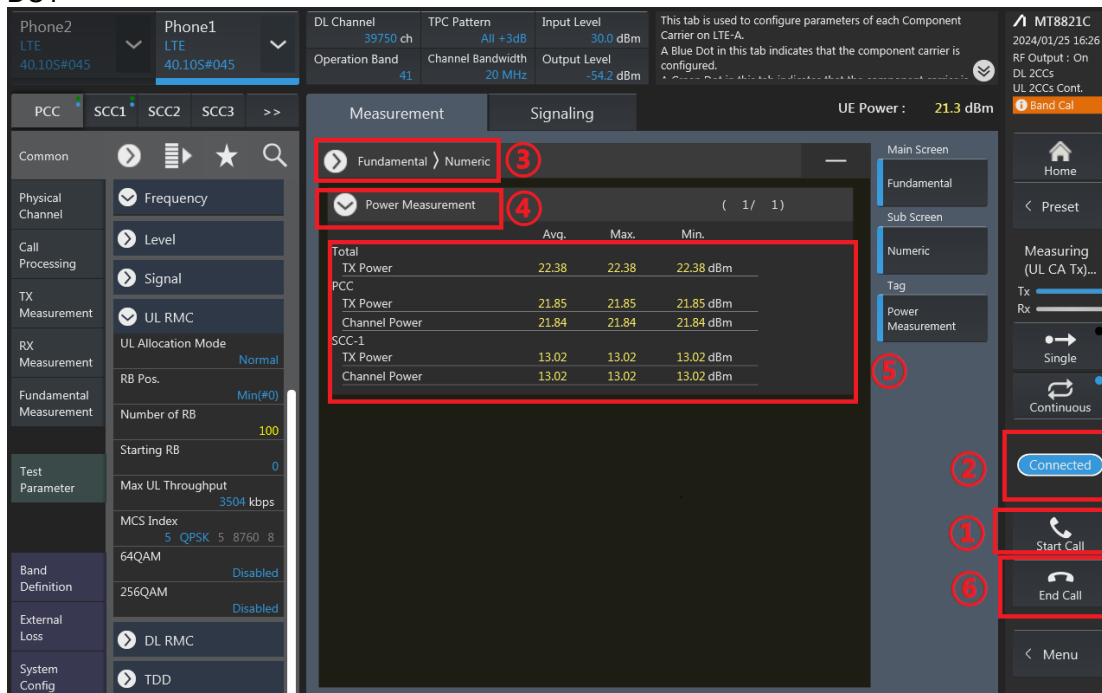
RB configurations (Number of RB / Starting RB) for SCC1;



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 Power Measurement

【CA_5B_Ant 8_Full power】

Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20450	20549	QPSK	1	0	0	0	24.14	25.10
20475	20574	QPSK	1	49	1	0	24.22	25.10
20600	20501	QPSK	1	0	1	49	24.13	25.10

【CA_5B_Ant 8_DSI0 (Sensor off)】

Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20450	20549	QPSK	1	0	0	0	24.14	25.10
20475	20574	QPSK	1	49	1	0	24.22	25.10
20600	20501	QPSK	1	0	1	49	24.13	25.10

【CA_5B_Ant 8_DSI7 (sensor on)】

Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20450	20549	QPSK	1	0	0	0	20.65	21.60
20475	20574	QPSK	1	49	1	0	20.76	21.60
20600	20501	QPSK	1	0	1	49	20.68	21.60

【CA_38C_Ant 8_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	0	0	0	24.20	25.10
37901	38099	QPSK	1	0	0	0	24.23	25.10
38150	37952	QPSK	1	0	1	99	24.31	25.10

【CA_38C_Ant 8_DSI0 (Sensor off)】

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	0	0	0	24.20	25.10
37901	38099	QPSK	1	0	0	0	24.23	25.10
38150	37952	QPSK	1	0	1	99	24.31	25.10

【CA_38C_Ant 8_DSI7 (sensor on)】

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	0	0	0	18.70	20.20
37901	38099	QPSK	1	0	0	0	18.81	20.20
38150	37952	QPSK	1	0	1	99	18.76	20.20

【CA_41C_Ant 8_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		
39750	39948	QPSK	1	99	1	0	24.11	25.10
40185	39987	QPSK	1	99	1	0	24.23	25.10
40620	40422	QPSK	1	99	1	0	24.39	25.10
41055	40857	QPSK	1	99	1	0	24.39	25.10
41490	41292	QPSK	1	0	1	99	24.23	25.10

【CA_41C_Ant 8_Full power_HPUE】

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	25.72	27.00
40185	39987	QPSK	1	99	1	0	25.92	27.00
40620	40422	QPSK	1	99	1	0	25.93	27.00
41055	40857	QPSK	1	99	1	0	25.90	27.00
41490	41292	QPSK	1	0	1	99	25.78	27.00

【CA_41C_Ant 8_DSI0 (Sensor off)】

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	0	0	0	24.11	25.10
40185	39987	QPSK	1	0	1	99	24.23	25.10
40620	40422	QPSK	1	0	1	99	24.39	25.10
41055	40857	QPSK	1	0	1	99	24.39	25.10
41490	41292	QPSK	1	0	1	99	24.23	25.10

【CA_41C_Ant 8_DSI0 (Sensor off)_HPUE】

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	0	0	0	25.72	27.00
40185	39987	QPSK	1	0	1	99	25.92	27.00
40620	40422	QPSK	1	0	1	99	25.93	27.00
41055	40857	QPSK	1	0	1	99	25.90	27.00
41490	41292	QPSK	1	0	1	99	25.78	27.00

【CA_41C_Ant 8_DSI7 (sensor on)】

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	0	0	0	18.81	20.30
40185	39987	QPSK	1	0	1	99	18.78	20.30
40620	40422	QPSK	1	0	1	99	18.81	20.30
41055	40857	QPSK	1	0	1	99	18.69	20.30
41490	41292	QPSK	1	0	1	99	18.75	20.30

【CA_41C_Ant 8_DSI7 (sensor on)_HPUE】

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	0	0	0	20.49	21.90
40185	39987	QPSK	1	0	1	99	20.44	21.90
40620	40422	QPSK	1	0	1	99	20.61	21.90
41055	40857	QPSK	1	0	1	99	20.40	21.90
41490	41292	QPSK	1	0	1	99	20.41	21.90

【CA_66B_Ant 1_Full power】

Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
132047	132140	QPSK	1	74	1	0	23.74	25.10
132322	132229	QPSK	1	74	1	0	23.68	25.10
132597	132504	QPSK	1	0	1	24	23.69	25.10

【CA_66C_Ant 1_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		
132072	132270	QPSK	1	99	1	0	23.78	25.10
132322	132124	QPSK	1	99	1	0	23.86	25.10
132572	132374	QPSK	1	0	1	99	23.78	25.10

【CA_66B_Ant 1_DSI0 (Sensor off)】

Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
132047	132140	QPSK	1	0	0	0	23.74	25.10
132322	132229	QPSK	1	0	1	24	23.68	25.10
132597	132504	QPSK	1	0	1	24	23.69	25.10

【CA_66C_Ant 1_DSI0 (Sensor off)】

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		
132072	132270	QPSK	1	0	0	0	23.78	25.10
132322	132124	QPSK	1	0	1	99	23.86	25.10
132572	132374	QPSK	1	0	1	99	23.78	25.10

【CA_66B_Ant 1_DSI7 (sensor on)】

Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
132047	132140	QPSK	1	0	0	0	17.89	19.40
132322	132229	QPSK	1	0	1	24	17.92	19.40
132597	132504	QPSK	1	0	1	24	17.85	19.40

【CA_66C_Ant 1_DSI7 (sensor on)】

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		
132072	132270	QPSK	1	0	0	0	17.86	19.40
132322	132124	QPSK	1	0	1	99	17.94	19.40
132572	132374	QPSK	1	0	1	99	17.84	19.40

CA_48B Ant 8 Full Power&DSI0								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55290	55389	QPSK	1	49	1	0	21.06	22.00
55940	56039	QPSK	1	49	1	0	20.79	22.00
56591	56690	QPSK	1	49	1	0	21.11	22.00
55290	55389	QPSK	1	49	1	0	20.97	22.00
55940	56039	QPSK	1	0	1	49	21.03	22.00

CA_48B Ant 8 DSI7								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55290	55389	QPSK	1	49	1	0	17.51	18.90
55940	56039	QPSK	1	49	1	0	17.45	18.90
56591	56690	QPSK	1	49	1	0	17.65	18.90
55290	55389	QPSK	1	49	1	0	17.41	18.90
55940	56039	QPSK	1	0	1	49	17.43	18.90

CA_48C Ant 8 Full Power&DSI0								
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		
55340	55538	QPSK	1	99	1	0	20.06	22.00
55830	56028	QPSK	1	99	1	0	21.03	22.00
56442	56640	QPSK	1	0	1	99	14.99	16.00

CA_48C Ant 8 DSI7								
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		
55340	55538	QPSK	1	99	1	0	17.41	18.90
55830	56028	QPSK	1	99	1	0	17.53	18.90
56442	56640	QPSK	1	0	1	99	17.51	18.90

CA_7C Ant 8 Full Power&DSI0								
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	23.96	25.10
21100	21298	QPSK	1	99	1	0	24.11	25.10
21350	21152	QPSK	1	0	1	99	24.03	25.10

CA_7C Ant 8 DSI7								
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	14.69	16.10
21100	21298	QPSK	1	99	1	0	17.73	16.10
21350	21152	QPSK	1	0	1	99	14.68	16.10