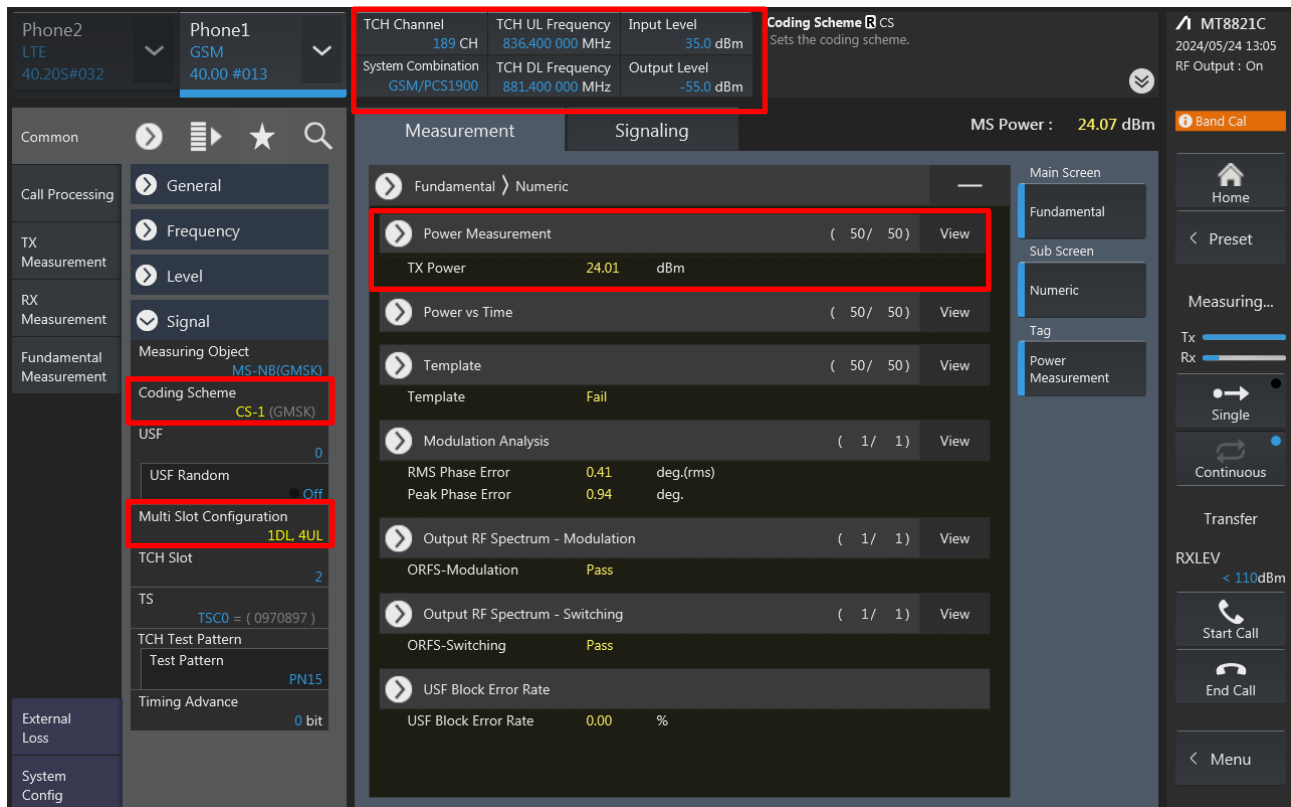


Power measurement connection diagram:

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.

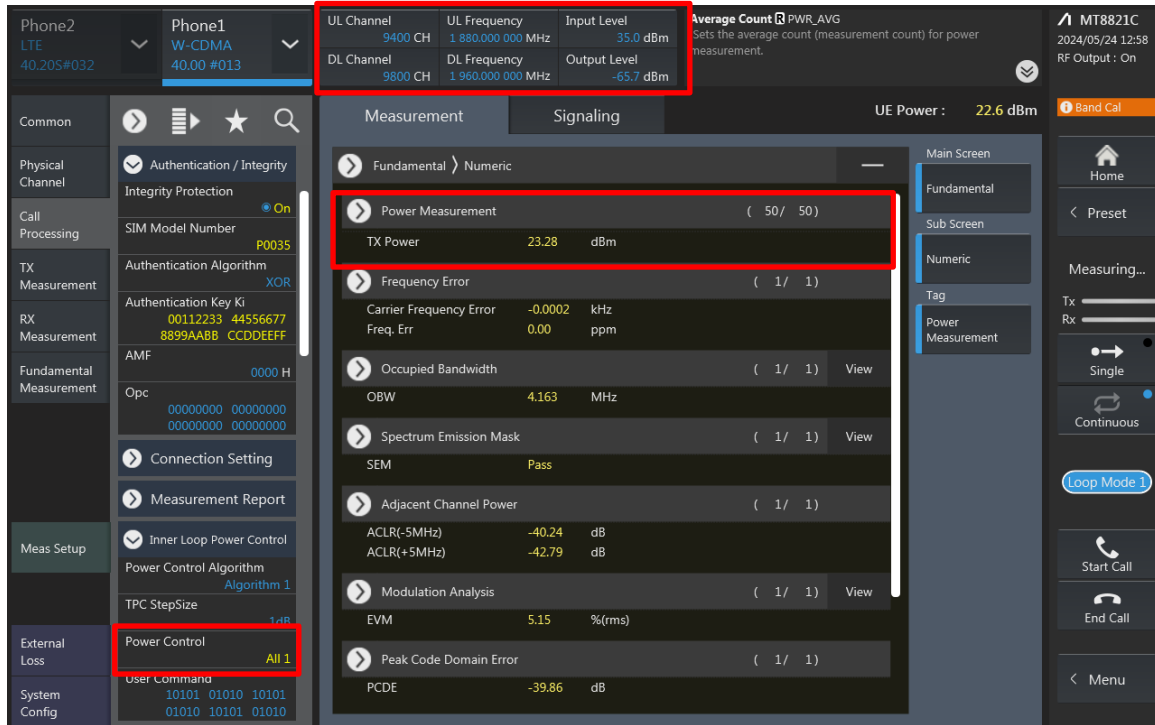
<GSM>



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

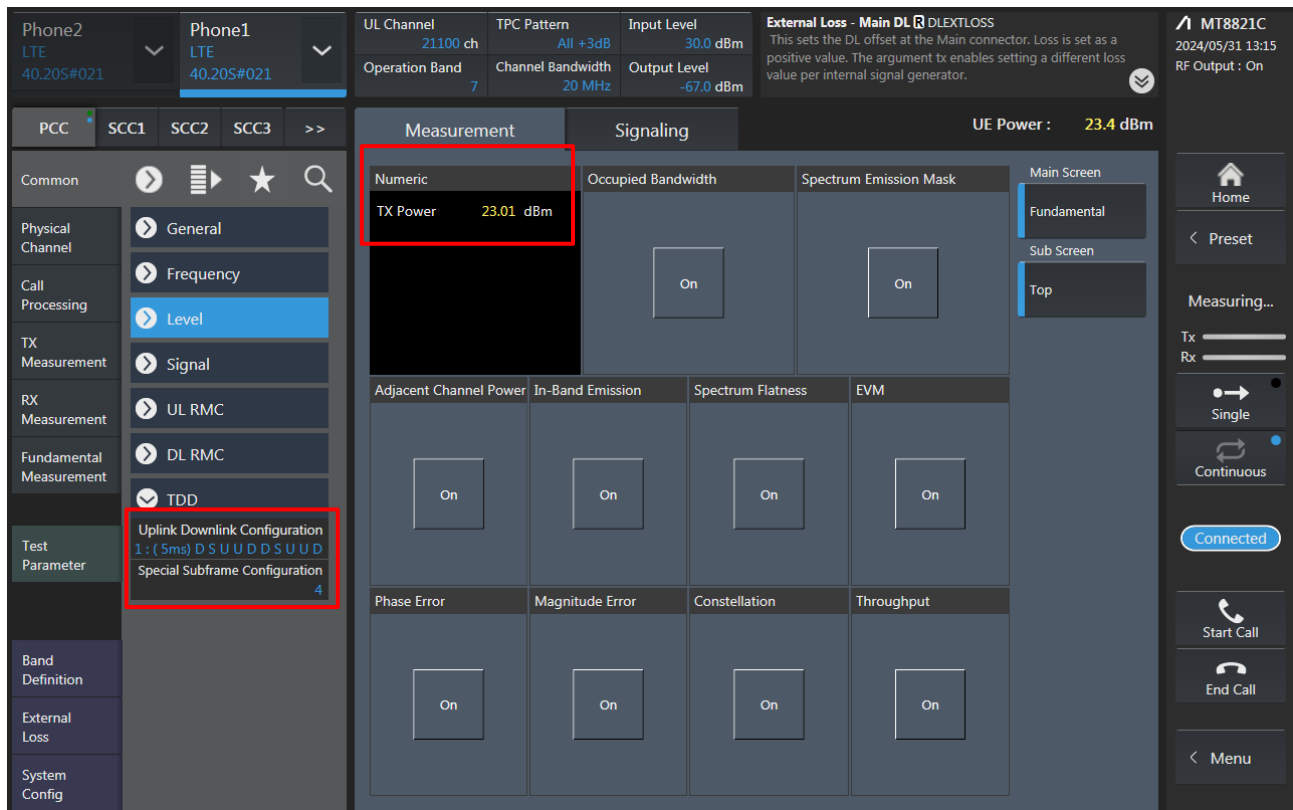
- Top Bar:** Shows Phone2 (LTE, 40.205#032) and Phone1 (GSM, 40.00 #013). The TCH Channel is 189 CH, TCH UL Frequency is 836.400 000 MHz, Input Level is 35.0 dBm, and TCH DL Frequency is 881.400 000 MHz. The Coding Scheme is CS.
- Left Sidebar:** Contains navigation options like Call Processing, TX Measurement, RX Measurement, Fundamental Measurement, and External Loss.
- Main Panel:** Displays the Measurement section with a list of items:
 - Power Measurement:** TX Power is 24.01 dBm.
 - Power vs Time:** (50/ 50) View
 - Template:** (50/ 50) View
 - Modulation Analysis:** (1/ 1) View
 - Output RF Spectrum - Modulation:** (1/ 1) View
 - Output RF Spectrum - Switching:** (1/ 1) View
 - USF Block Error Rate:** USF Block Error Rate is 0.00 %
- Right Sidebar:** Contains a list of screens (Main Screen, Fundamental, Sub Screen, Numeric, Tag, Power Measurement) and a list of buttons (Home, Preset, Measuring..., Single, Continuous, Transfer, RXLEV, Start Call, End Call, Menu).

<WCDMA>



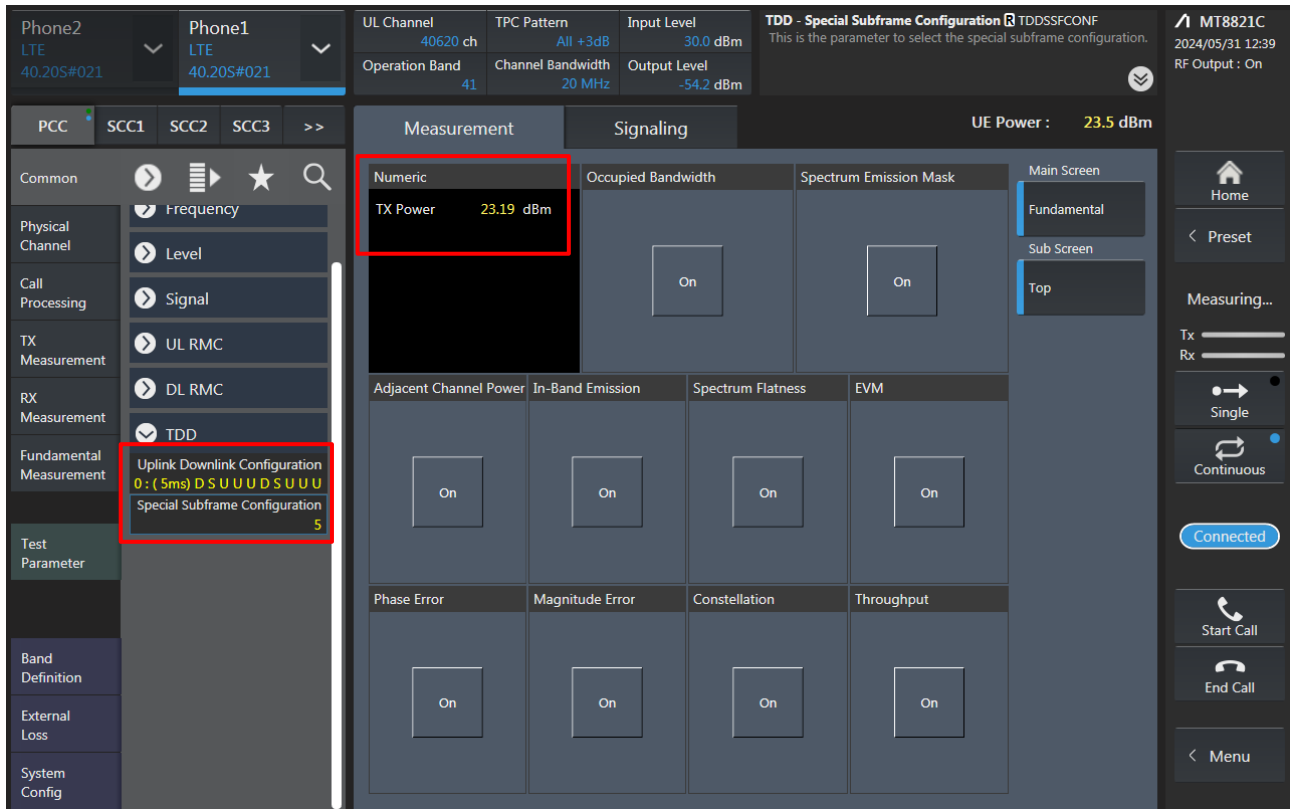
The screenshot displays the WCDMA measurement interface. The top bar shows 'Phone2 LTE 40.20S#032' and 'Phone1 W-CDMA 40.00 #013'. The 'Measurement' tab is active, showing 'Fundamental' and 'Numeric' views. The 'Power Measurement' section is highlighted with a red box, showing 'TX Power' at 23.28 dBm. The 'Occupied Bandwidth' section shows 'OBW' at 4.163 MHz. 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 'Band Cal' button is visible on the right. The 'Meas Setup' section on the left includes 'Authentication / Integrity', 'SIM Model Number', 'Authentication Algorithm', 'Authentication Key Ki', 'AMF', 'Opc', 'Connection Setting', 'Measurement Report', 'Inner Loop Power Control', 'Power Control Algorithm', 'TPC StepSize', 'Power Control', and 'User Command'.

<LTE>



The screenshot displays the LTE measurement interface. The top bar shows 'Phone2 LTE 40.20S#021' and 'Phone1 LTE 40.20S#021'. The 'Measurement' tab is active, showing 'Numeric' and 'Occupied Bandwidth' views. The 'Power Measurement' section is highlighted with a red box, showing 'TX Power' at 23.01 dBm. The 'Occupied Bandwidth' section shows 'OBW' at 20 MHz. The 'Spectrum Emission Mask' section shows 'SEM' at 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 23.4 dBm. The 'Band Cal' button is visible on the right. The 'Meas Setup' section on the left includes 'General', 'Frequency', 'Level', 'Signal', 'UL RMC', 'DL RMC', 'TDD', 'Uplink Downlink Configuration', 'Special Subframe Configuration', 'Band Definition', 'External Loss', and 'System Config'.

<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

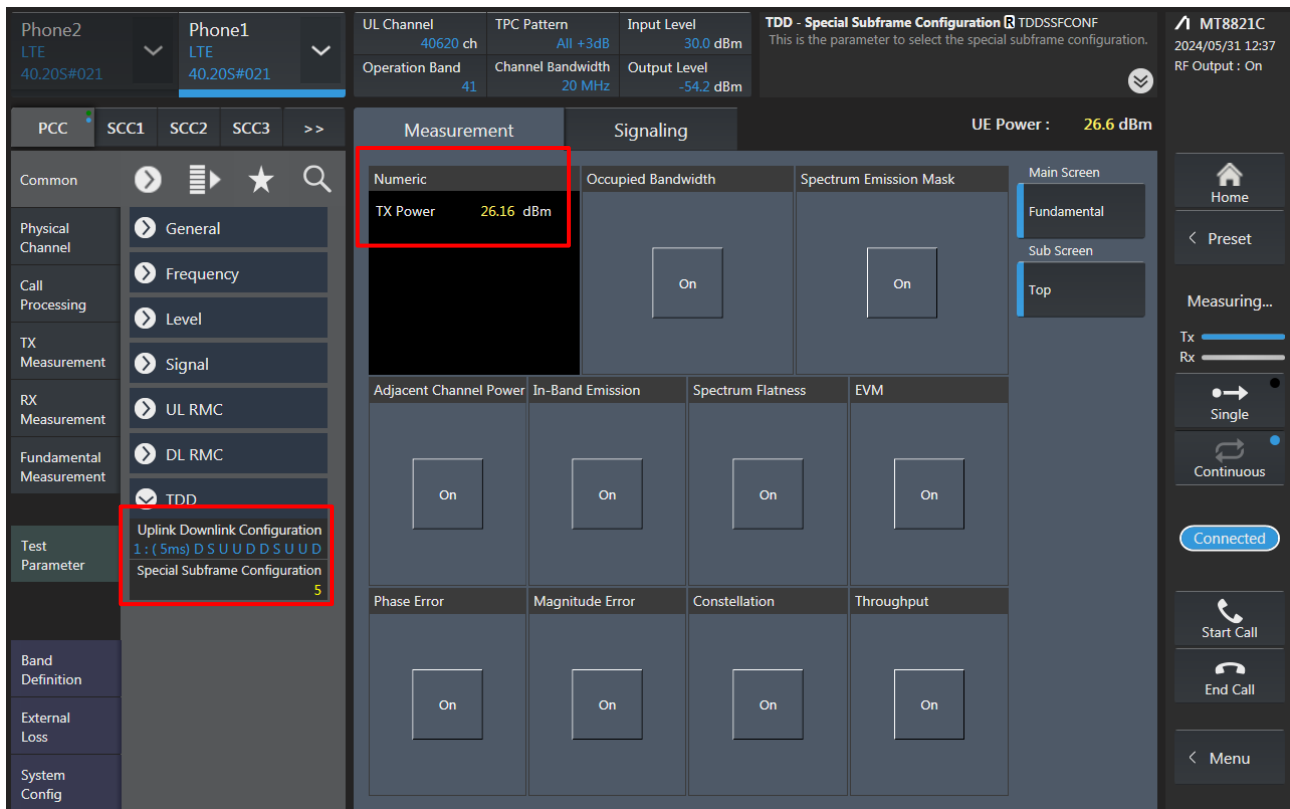
Common Frequency Level Signal UL RMC DL RMC TDD Uplink Downlink Configuration 0 : (5ms) D S U U U D S U U U Special Subframe Configuration 5

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

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 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

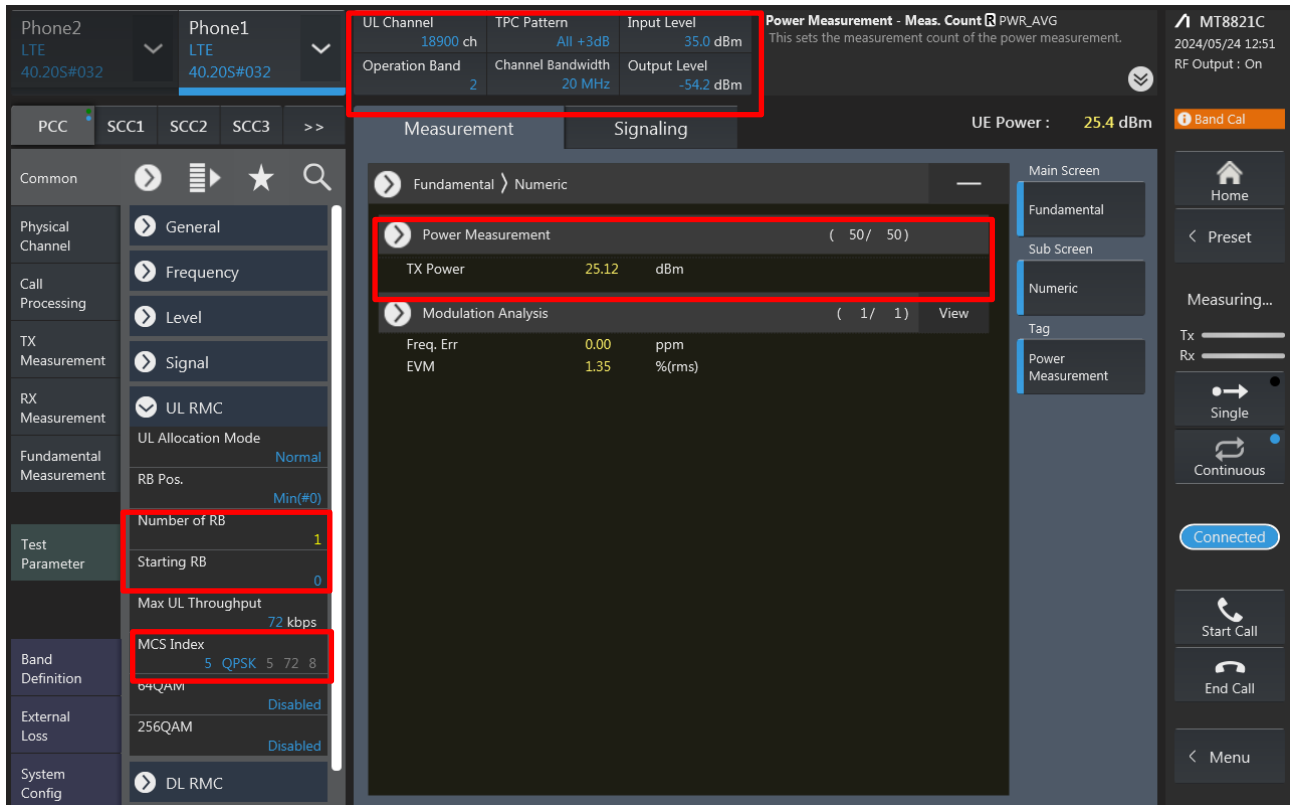
On On On On

Common General Frequency Level Signal UL RMC DL RMC TDD Uplink Downlink Configuration 1 : (5ms) D S U U D D S U U D Special Subframe Configuration 5

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

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

PCC SCC1 SCC2 SCC3 >>

Measurement Signaling

UE Power : 25.4 dBm

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

DL RMC

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

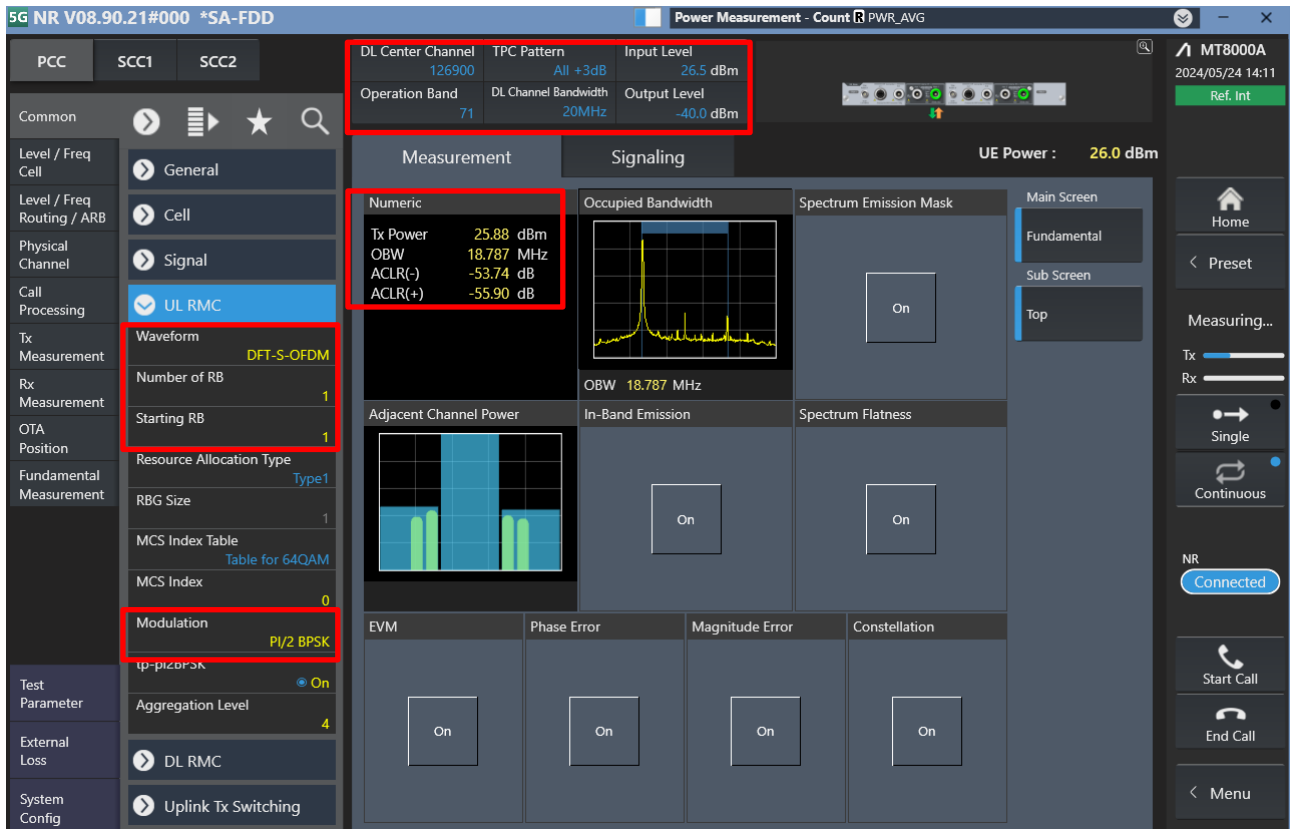
Connected

Start Call

End Call

Menu

<5G NR FR1>



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

Power Measurement - Count PWR_AVG

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

PCC SCC1 SCC2

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

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

Measurement Signaling

UE Power : 26.0 dBm

Numeric

Tx Power 25.88 dBm

OBW 18.787 MHz

ACLR(-) -53.74 dB

ACLR(+) -55.90 dB

Occupied Bandwidth

OBW 18.787 MHz

Adjacent Channel Power

In-Band Emission

Spectrum Flatness

EVM

Phase Error

Magnitude Error

Constellation

Main Screen

Fundamental

Sub Screen

Top

Home

Preset

Measuring...

Tx

Rx

Single

Continuous

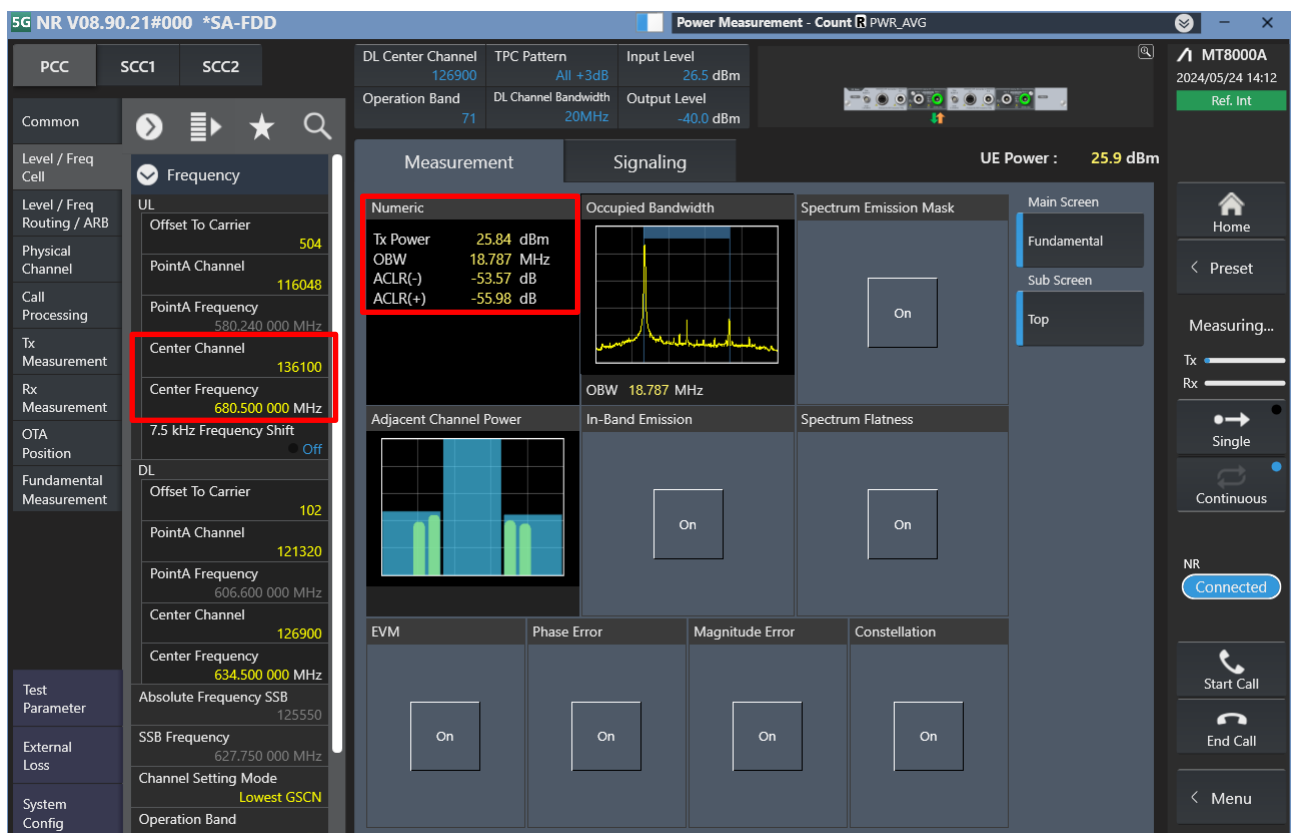
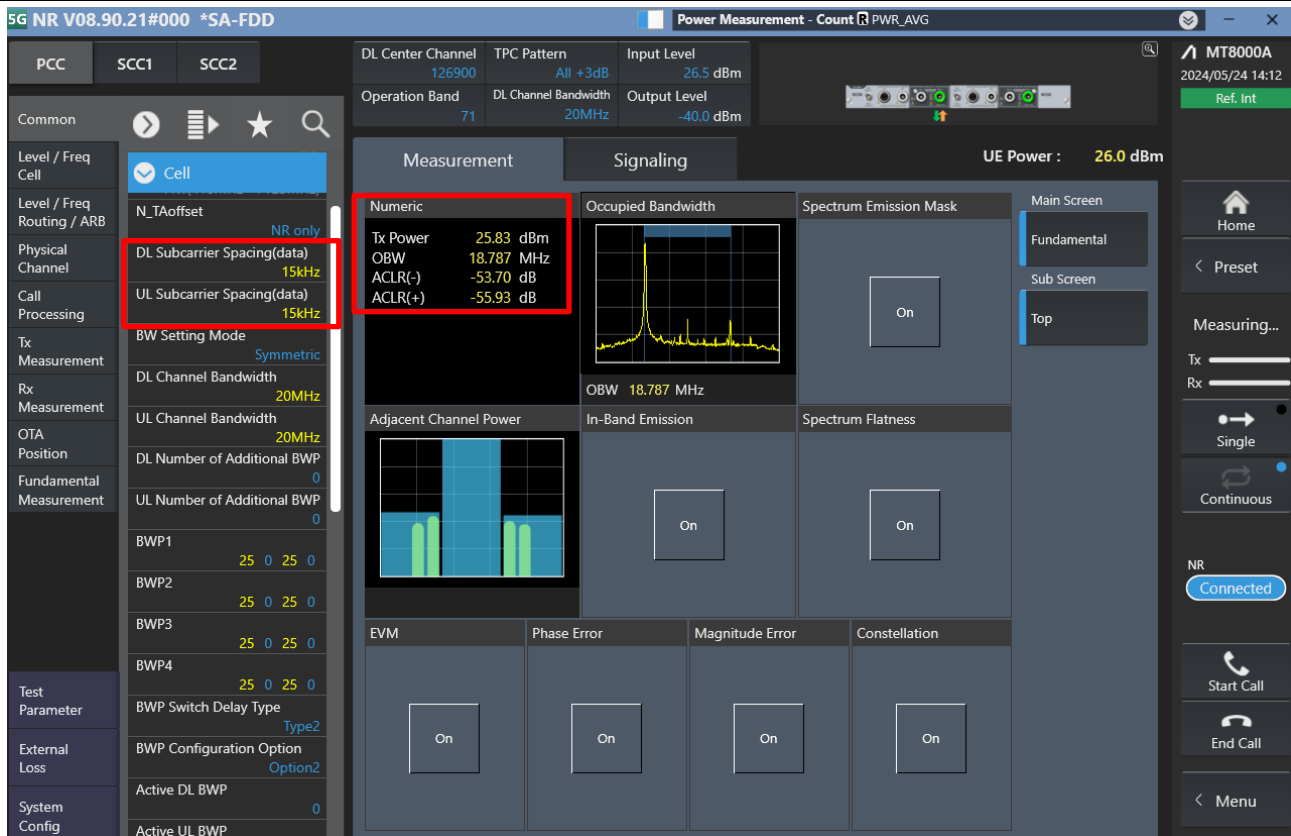
NR

Connected

Start Call

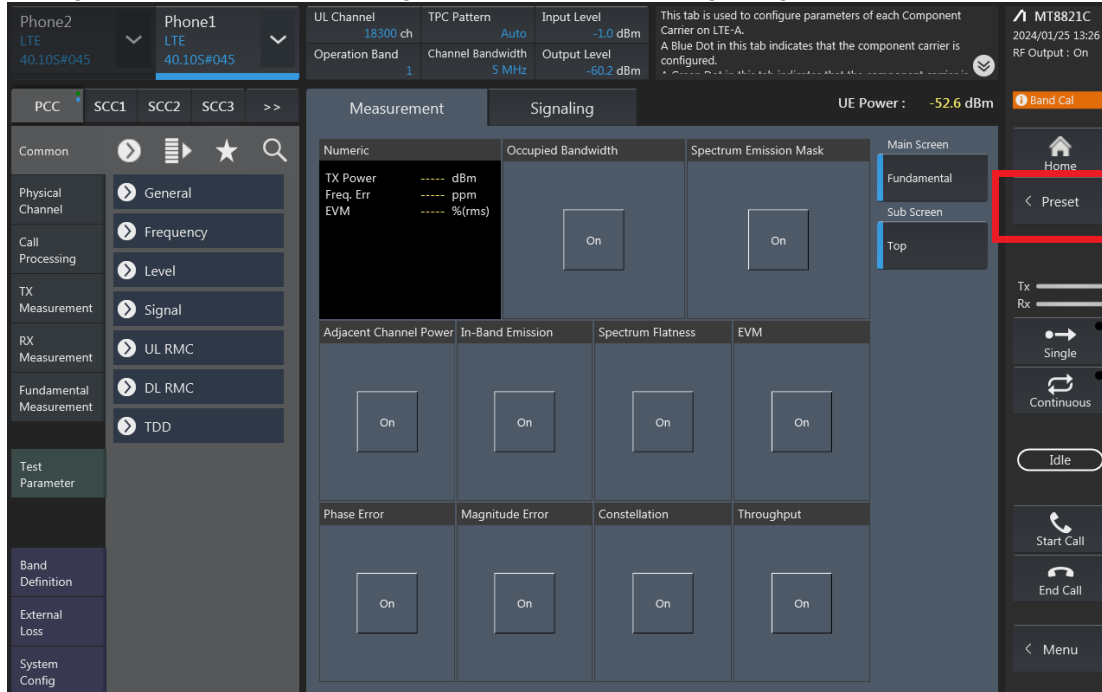
End Call

Menu



LTE Uplink and Downlink Carrier Aggregation configurations:

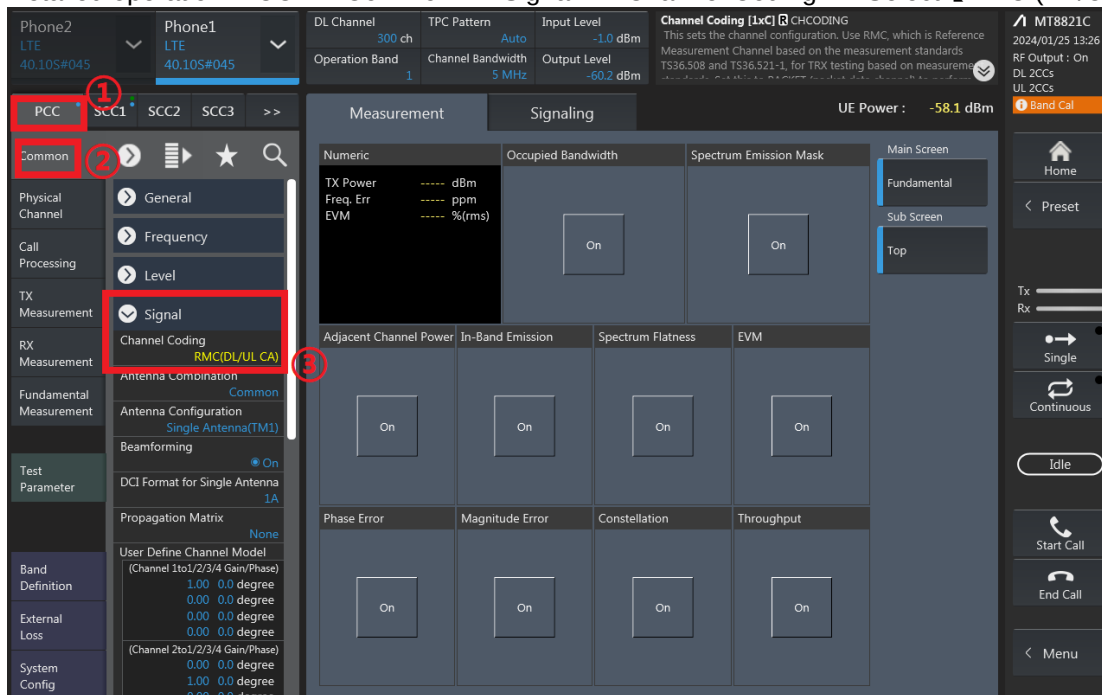
1. Change the Scenario in the Configuration of Phone1 LTE Signaling and Preset.



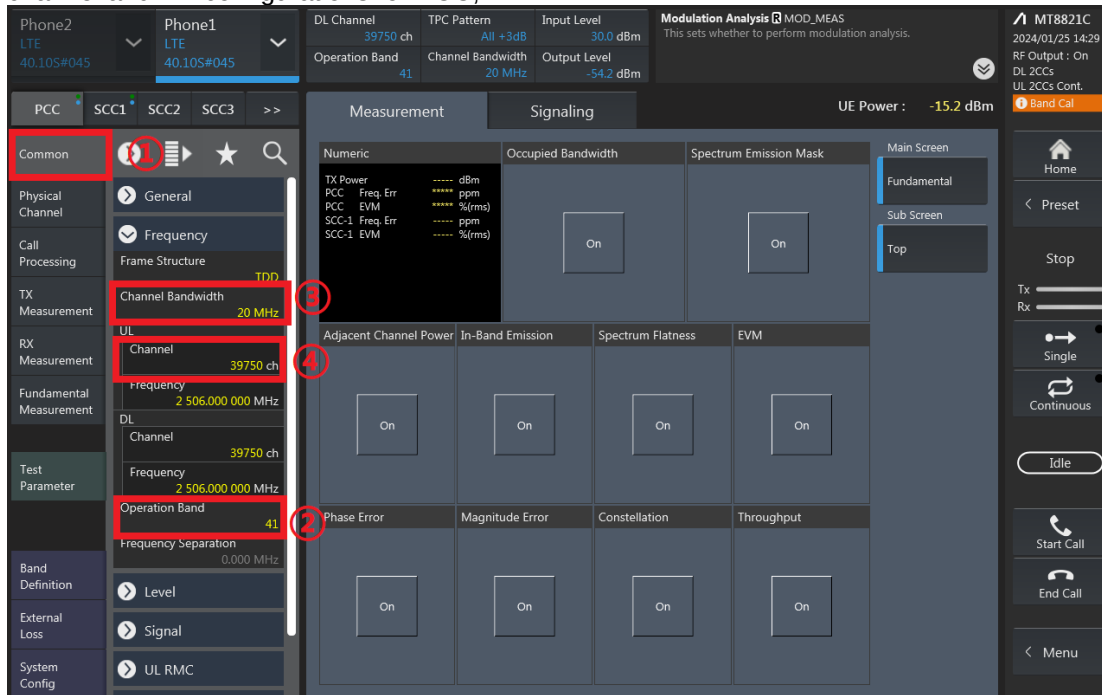
2. If Select "RMC (DL/UL CA)" for Uplink Carrier Aggregation;
If Select "RMC (DL CA)" for Downlink Carrier Aggregation.

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;



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 PCC-1 Freq. Err. ppm PCC-1 EVM ppm

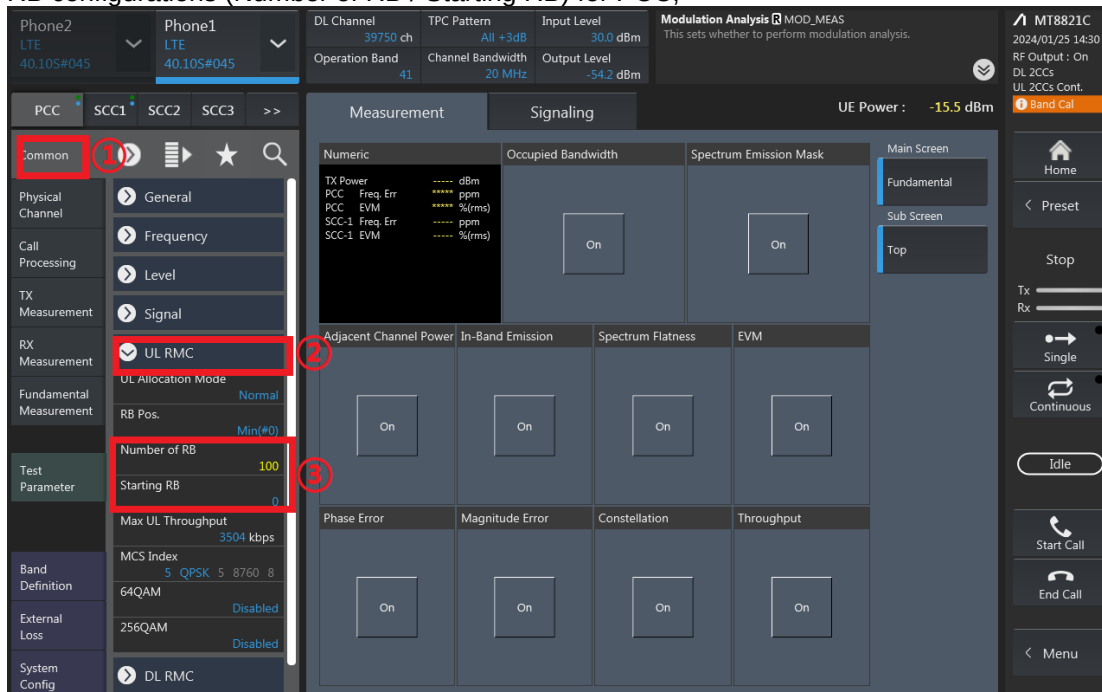
Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

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 PCC-1 Freq. Err. ppm PCC-1 EVM ppm

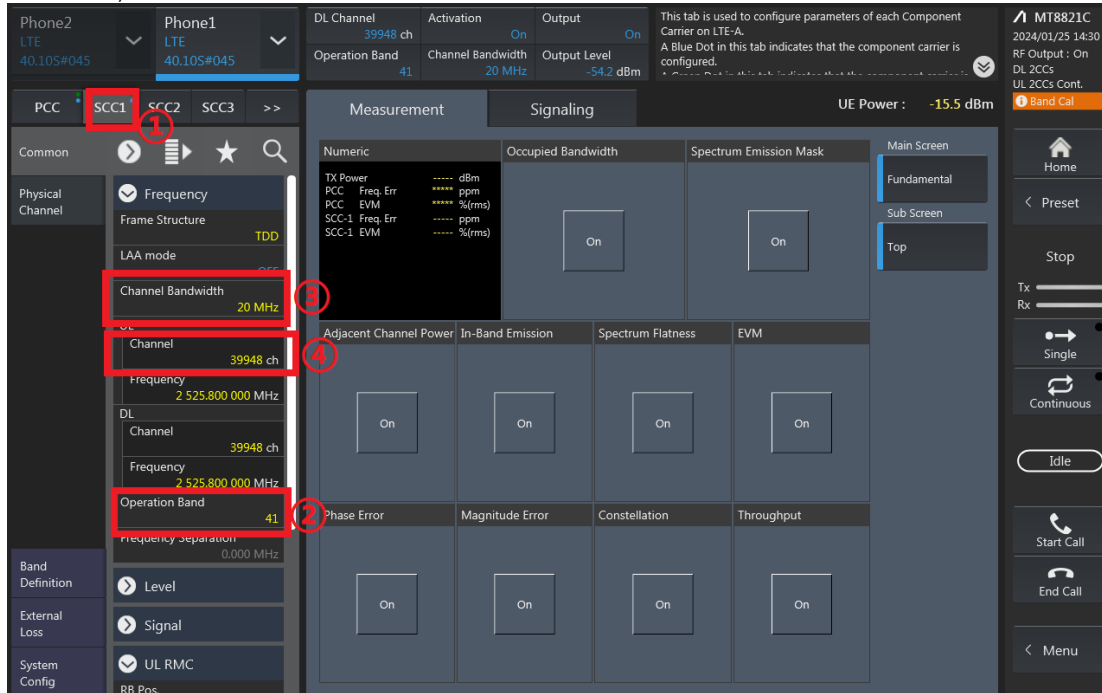
Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

Phase Error Magnitude Error Constellation Throughput

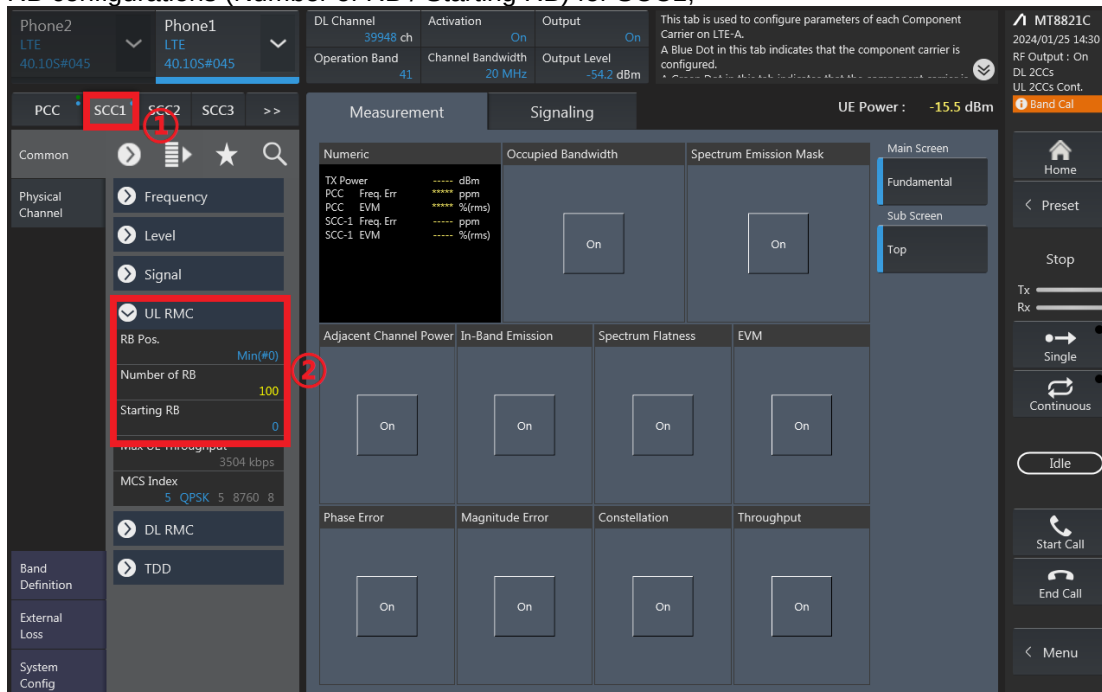
Main Screen Fundamental Sub Screen Top

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

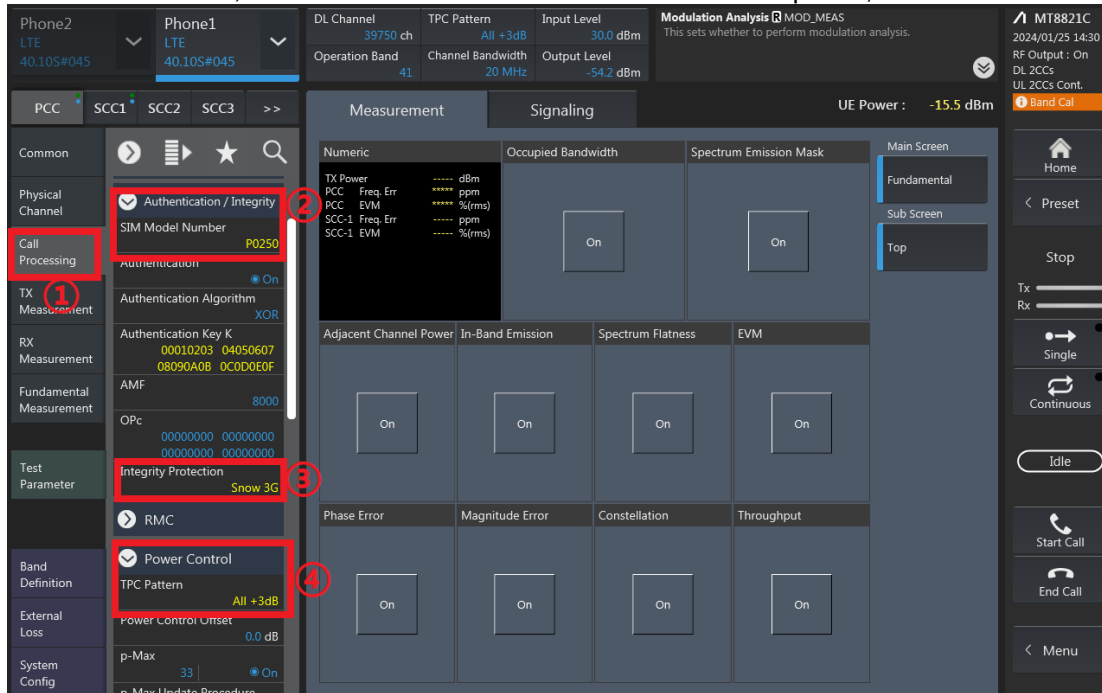
4. SCC parameter Settings: Select the SCC1 tab, Set operating band, BW, channel, and RB configurations for SCC1;



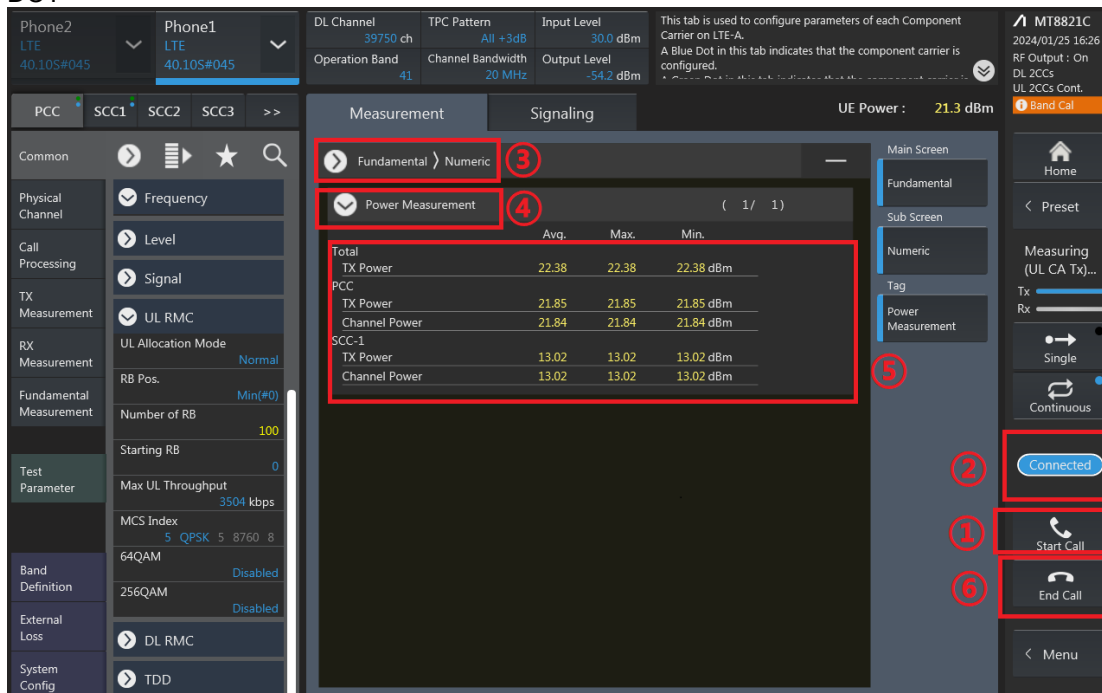
RB configurations (Number of RB / Starting RB) for SCC1;



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.

UL CA

CA_7C_Ant 5											
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					
20950	21048	QPSK	1	0	0	0	1	0	FULL	24.09	25.00
21100	21298	QPSK	1	0	0	0	1	0	FULL	24.13	25.00
21350	21152	QPSK	1	0	0	0	1	0	FULL	24.07	25.00
20950	21048	QPSK	1	0	0	0	1	0	ECI 3	18.59	19.50
21100	21298	QPSK	1	0	0	0	1	0	ECI 3	18.62	19.50
21350	21152	QPSK	1	0	0	0	1	0	ECI 3	18.52	19.50
20950	21048	QPSK	1	0	0	0	1	0	ECI 5	24.04	25.00
21100	21298	QPSK	1	0	0	0	1	0	ECI 5	24.11	25.00
21350	21152	QPSK	1	0	0	0	1	0	ECI 5	24.05	25.00
20950	21048	QPSK	1	0	0	0	1	0	ECI 8	16.64	17.00
21100	21298	QPSK	1	0	0	0	1	0	ECI 8	16.71	17.00
21350	21152	QPSK	1	0	0	0	1	0	ECI 8	16.65	17.00
20950	21048	QPSK	1	0	0	0	1	0	ECI 10	24.04	25.00
21100	21298	QPSK	1	0	0	0	1	0	ECI 10	24.07	25.00
21350	21152	QPSK	1	0	0	0	1	0	ECI 10	23.97	25.00

CA_7C_Ant 6											
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					
20950	21048	QPSK	1	0	0	0	1	0	FULL	23.98	24.40
21100	21298	QPSK	1	0	0	0	1	0	FULL	23.60	24.40
21350	21152	QPSK	1	0	0	0	1	0	FULL	23.52	24.40
20950	21048	QPSK	1	0	0	0	1	0	ECI 3	17.99	18.90
21100	21298	QPSK	1	0	0	0	1	0	ECI 3	18.12	18.90
21350	21152	QPSK	1	0	0	0	1	0	ECI 3	18.11	18.90
20950	21048	QPSK	1	0	0	0	1	0	ECI 5	15.25	16.20
21100	21298	QPSK	1	0	0	0	1	0	ECI 5	15.40	16.20
21350	21152	QPSK	1	0	0	0	1	0	ECI 5	15.35	16.20
20950	21048	QPSK	1	0	0	0	1	0	ECI 8	16.19	17.00
21100	21298	QPSK	1	0	0	0	1	0	ECI 8	16.26	17.00
21350	21152	QPSK	1	0	0	0	1	0	ECI 8	16.25	17.00
20950	21048	QPSK	1	0	0	0	1	0	ECI 10	14.68	15.50
21100	21298	QPSK	1	0	0	0	1	0	ECI 10	14.73	15.50
21350	21152	QPSK	1	0	0	0	1	0	ECI 10	14.58	15.50

CA_7C_Ant 11											
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	0	0	0	1	0	FULL	23.42	24.50
20850	21048	QPSK	1	0	0	0	1	0	FULL	23.52	24.50
21100	21298	QPSK	1	0	0	0	1	0	FULL	23.51	24.50
20850	21048	QPSK	1	0	0	0	1	0	ECI 3	15.81	16.90
21100	21298	QPSK	1	0	0	0	1	0	ECI 3	15.92	16.90
21350	21152	QPSK	1	0	0	0	1	0	ECI 3	15.87	16.90
20850	21048	QPSK	1	0	0	0	1	0	ECI 5	12.70	13.80
21100	21298	QPSK	1	0	0	0	1	0	ECI 5	12.78	13.80
21350	21152	QPSK	1	0	0	0	1	0	ECI 5	12.77	13.80
20850	21048	QPSK	1	0	0	0	1	0	ECI 8	14.03	15.00
21100	21298	QPSK	1	0	0	0	1	0	ECI 8	14.04	15.00
21350	21152	QPSK	1	0	0	0	1	0	ECI 8	14.01	15.00
20850	21048	QPSK	1	0	0	0	1	0	ECI 10	11.98	13.10
21100	21298	QPSK	1	0	0	0	1	0	ECI 10	12.12	13.10
21350	21152	QPSK	1	0	0	0	1	0	ECI 10	12.03	13.10

CA_7C_Ant 7											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	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	0	0	0	1	0	FULL	20.04	21.50
21100	21298	QPSK	1	0	0	0	1	0	FULL	20.16	21.50
21350	21152	QPSK	1	0	0	0	1	0	FULL	20.13	21.50
20850	21048	QPSK	1	0	0	0	1	0	ECI 3	18.28	19.50
21100	21298	QPSK	1	0	0	0	1	0	ECI 3	18.41	19.50
21350	21152	QPSK	1	0	0	0	1	0	ECI 3	18.40	19.50
20850	21048	QPSK	1	0	0	0	1	0	ECI 5	15.01	16.20
21100	21298	QPSK	1	0	0	0	1	0	ECI 5	15.13	16.20
21350	21152	QPSK	1	0	0	0	1	0	ECI 5	15.06	16.20
20850	21048	QPSK	1	0	0	0	1	0	ECI 8	16.61	17.80
21100	21298	QPSK	1	0	0	0	1	0	ECI 8	16.63	17.80
21350	21152	QPSK	1	0	0	0	1	0	ECI 8	16.53	17.80
20850	21048	QPSK	1	0	0	0	1	0	ECI 10	14.31	15.40
21100	21298	QPSK	1	0	0	0	1	0	ECI 10	14.36	15.40
21350	21152	QPSK	1	0	0	0	1	0	ECI 10	14.22	15.40

CA_38C_Ant 5											
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					
37850	38048	QPSK	1	0	0	0	1	0	FULL	24.25	25.00
37901	38099	QPSK	1	0	0	0	1	0	FULL	24.33	25.00
38150	37952	QPSK	1	0	0	0	1	0	FULL	24.22	25.00
37850	38048	QPSK	1	0	0	0	1	0	ECI 3	21.69	22.70
37901	38099	QPSK	1	0	0	0	1	0	ECI 3	21.77	22.70
38150	37952	QPSK	1	0	0	0	1	0	ECI 3	21.88	22.70
37850	38048	QPSK	1	0	0	0	1	0	ECI 5	24.00	25.00
37901	38099	QPSK	1	0	0	0	1	0	ECI 5	24.13	25.00
38150	37952	QPSK	1	0	0	0	1	0	ECI 5	24.04	25.00
37850	38048	QPSK	1	0	0	0	1	0	ECI 8	19.96	20.90
37901	38099	QPSK	1	0	0	0	1	0	ECI 8	19.97	20.90
38150	37952	QPSK	1	0	0	0	1	0	ECI 8	19.89	20.90
37850	38048	QPSK	1	0	0	0	1	0	ECI 10	24.02	25.00
37901	38099	QPSK	1	0	0	0	1	0	ECI 10	24.13	25.00
38150	37952	QPSK	1	0	0	0	1	0	ECI 10	24.05	25.00

CA_38C_Ant 6											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC				Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	FULL	23.70	24.30
37901	38099	QPSK	1	0	0	0	1	0	FULL	24.30	24.30
38150	37952	QPSK	1	0	0	0	1	0	FULL	23.77	24.30
37850	38048	QPSK	1	0	0	0	1	0	ECI 3	21.20	22.00
37901	38099	QPSK	1	0	0	0	1	0	ECI 3	21.31	22.00
38150	37952	QPSK	1	0	0	0	1	0	ECI 3	21.30	22.00
37850	38048	QPSK	1	0	0	0	1	0	ECI 5	18.23	19.10
37901	38099	QPSK	1	0	0	0	1	0	ECI 5	18.35	19.10
38150	37952	QPSK	1	0	0	0	1	0	ECI 5	18.26	19.10
37850	38048	QPSK	1	0	0	0	1	0	ECI 8	19.41	20.20
37901	38099	QPSK	1	0	0	0	1	0	ECI 8	19.50	20.20
38150	37952	QPSK	1	0	0	0	1	0	ECI 8	19.43	20.20
37850	38048	QPSK	1	0	0	0	1	0	ECI 10	17.63	18.40
37901	38099	QPSK	1	0	0	0	1	0	ECI 10	17.71	18.40
38150	37952	QPSK	1	0	0	0	1	0	ECI 10	17.57	18.40

CA_38C_Ant 11									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction
			RB Size	RB offset	RB Size	RB offset			
37650	38048	QPSK	1	0	0	0	1	0	FULL
37901	38099	QPSK	1	0	0	0	1	0	FULL
38150	37952	QPSK	1	0	0	0	1	0	FULL
37650	38048	QPSK	1	0	0	0	1	0	ECI 3
37901	38099	QPSK	1	0	0	0	1	0	ECI 3
38150	37952	QPSK	1	0	0	0	1	0	ECI 3
37650	38048	QPSK	1	0	0	0	1	0	ECI 5
37901	38099	QPSK	1	0	0	0	1	0	ECI 5
38150	37952	QPSK	1	0	0	0	1	0	ECI 5
37650	38048	QPSK	1	0	0	0	1	0	ECI 8
37901	38099	QPSK	1	0	0	0	1	0	ECI 8
38150	37952	QPSK	1	0	0	0	1	0	ECI 8
37650	38048	QPSK	1	0	0	0	1	0	ECI 10
37901	38099	QPSK	1	0	0	0	1	0	ECI 10
38150	37952	QPSK	1	0	0	0	1	0	ECI 10

CA_38C_Ant 7									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction
			RB Size	RB offset	RB Size	RB offset			
37650	38048	QPSK	1	0	0	0	1	0	FULL
37901	38099	QPSK	1	0	0	0	1	0	FULL
38150	37952	QPSK	1	0	0	0	1	0	FULL
37650	38048	QPSK	1	0	0	0	1	0	ECI 3
37901	38099	QPSK	1	0	0	0	1	0	ECI 3
38150	37952	QPSK	1	0	0	0	1	0	ECI 3
37650	38048	QPSK	1	0	0	0	1	0	ECI 5
37901	38099	QPSK	1	0	0	0	1	0	ECI 5
38150	37952	QPSK	1	0	0	0	1	0	ECI 5
37650	38048	QPSK	1	0	0	0	1	0	ECI 8
37901	38099	QPSK	1	0	0	0	1	0	ECI 8
38150	37952	QPSK	1	0	0	0	1	0	ECI 8
37650	38048	QPSK	1	0	0	0	1	0	ECI 10
37901	38099	QPSK	1	0	0	0	1	0	ECI 10
38150	37952	QPSK	1	0	0	0	1	0	ECI 10

DL CA Power

Full Power															
2CC															
Configure	CA Configuration (BCS)	PCC							SCC				Power		
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)	
Intra-Band	5B	Band 5	10M	829	20450	QPSK	1	0	Band 5	5M	881.2	2522	24.30	24.60	
	38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	2599.80	38048	24.42	24.62	
	2A-26A	Band 2	20M	1880	18900	QPSK	1	0	Band 26	15M	876.50	8865	23.04	23.15	
	5A-5A	Band 5	10M	829	20450	QPSK	1	0	Band 5	5M	881.5	2525	24.46	24.60	
	7A-26A	Band 7	20M	2535	21100	QPSK	1	0	Band 26	15M	876.5	8865	23.81	24.48	

3CC																		
Configure	CA Configuration (BCS)	PCC							SCC1				SCC2				Power	
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)
Intra-Band	2A-2A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 7	20M	2655	3100	23.00	23.15
	2A-5A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	22.93	23.15
	2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	1720	66536	22.88	23.15
	2A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	22.97	23.15
	2A-7A-38A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 38	20M	2595	38000	23.08	23.15
	2A-7C	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	23.00	23.15
	4A-4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 5	10M	829	2450	23.98	24.10
	4A-4A-7A	Band 7	20M	2535	21100	QPSK	1	0	Band 4	20M	1732.5	20175	Band 4	5M	2152.5	2375	23.94	24.48
	4A-5A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	829	2450	Band 7	20M	2655	3100	23.93	24.03
	4A-7C	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	24.02	24.05
	5A-7A-7A	Band 5	10M	829	20450	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	24.37	24.60
	5A-66C	Band 5	10M	829	20450	QPSK	1	0	Band 66	20M	2152.5	66861	Band 66	20M	2139.8	66734	24.26	24.60
	7A-7A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	23.95	24.15
	41A-41A-41A	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2506	39750	Band 41	20M	2680	41490	25.28	25.54
	2C-7A	Band 2	20M	1870.1	18801	QPSK	1	0	Band 2	20M	1969.9	999	Band 7	20M	2655	3100	22.97	23.15
	2C-66A	Band 2	20M	1870.1	18801	QPSK	1	0	Band 2	20M	1969.9	999	Band 66	20M	1720	66536	23.02	23.15

4CC																			
Configure	CA Configuration (BCS)	PCC							SCC1				SCC2				SCC3		
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)
Inter-Band	2A-2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	Band 5	10M	881.5
	5A-7A-66A-66A	Band 5	10M	829	20450	QPSK	1	0	Band 7	20M	2630	2850	Band 66	20M	2155	66886	Band 66	5M	2197.5
	5A-7C-66A	Band 5	10M	829	20450	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	Band 66	20M	2190
	41A-41A-41C	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	20M	2569.3	40383	Band 41	20M	2660.2	41292	Band 41	20M	2680
	41A-41D	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	20M	2569.3	40383	Band 41	20M	2589.1	40581	Band 41	20M	2608.9
	7C-66A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2190	67236	Band 7	20M	2645.1	3001	Band 7	20M	2664.9
	41C-41C	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	20M	2569.3	40383	Band 41	20M	2589.1	40581	Band 41	20M	2608.9
	41E	Band 41	20M	2549.5	40185	QPSK	1	49	Band 41	20M	2569.3	40383	Band 41	20M	2589.1	40581	Band 41	20M	2608.9