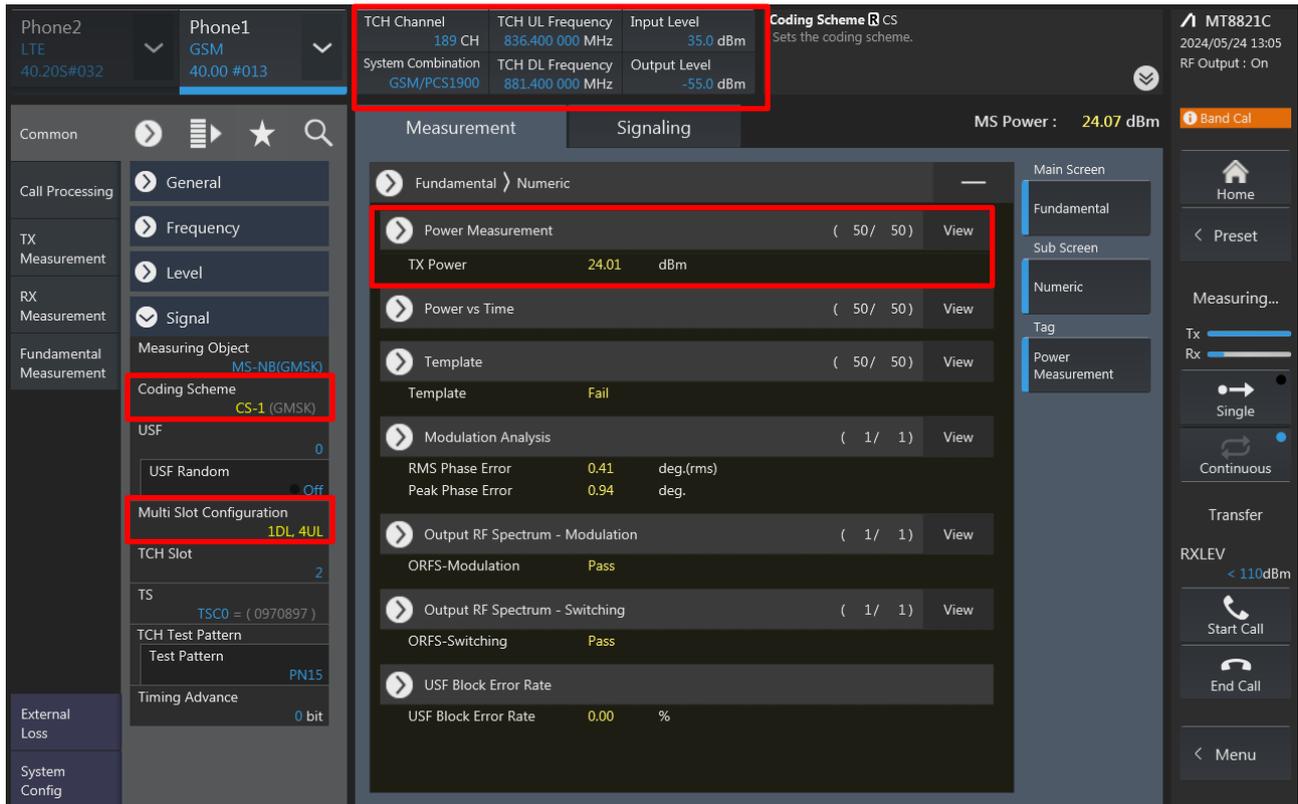


Power measurement connection diagram:

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>



Parameter	Value
Phone1	GSM
Phone2	LTE
TCH Channel	189 CH
TCH UL Frequency	836.400 000 MHz
Input Level	35.0 dBm
Coding Scheme	CS
System Combination	GSM/PCS1900
TCH DL Frequency	881.400 000 MHz
Output Level	-55.0 dBm
TX Power	24.01 dBm
RMS Phase Error	0.41 deg.(rms)
Peak Phase Error	0.94 deg.
USF Block Error Rate	0.00 %
Multi Slot Configuration	1DL, 4UL

<WCDMA>

The screenshot displays the WCDMA measurement interface. At the top, it shows 'Phone2 LTE 40.20S#032' and 'Phone1 W-CDMA 40.00 #013'. The 'Measurement' section is highlighted with a red box, showing:

- 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

The 'Average Count' section shows 'PWR_AVG' with a note: 'Sets the average count (measurement count) for power measurement.' The 'UE Power' is 22.6 dBm. The 'Measurement' list includes:

- 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

On the left, the 'External Loss' is set to 'All 1'. The 'Test Parameter' section shows 'Uplink Downlink Configuration 1: (5ms) D S U U D D S U U D' and 'Special Subframe Configuration 4'.

<LTE>

The screenshot displays the LTE measurement interface. At the top, it shows 'Phone2 LTE 40.20S#021' and 'Phone1 LTE 40.20S#021'. The 'Measurement' section is highlighted with a red box, showing:

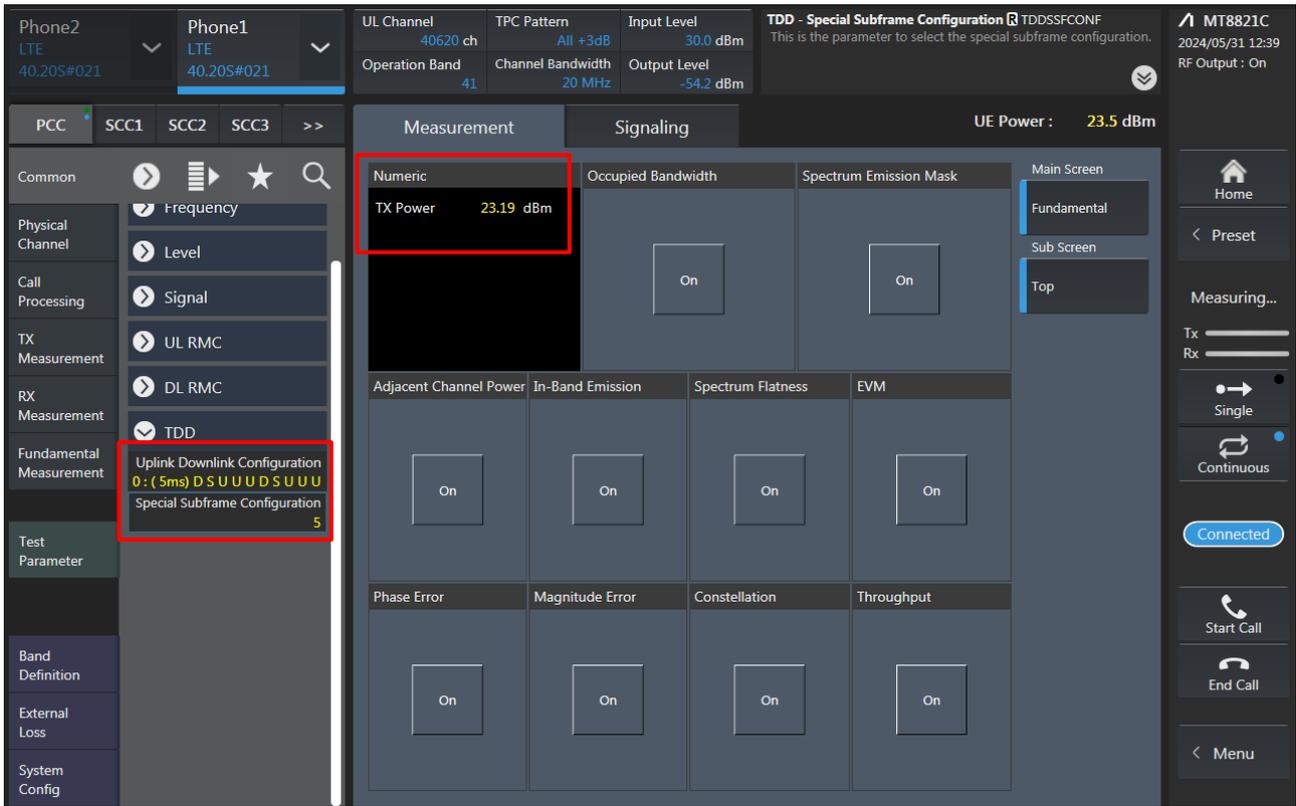
- UL Channel: 21100 ch
- TPC Pattern: All +3dB
- Input Level: 30.0 dBm
- Operation Band: 7
- Channel Bandwidth: 20 MHz
- Output Level: -67.0 dBm

The 'External Loss - Main DL' section shows 'DLEXTLOSS' with a note: 'This sets the DL offset at the Main connector. Loss is set as a positive value. The argument tx enables setting a different loss value per internal signal generator.' The 'UE Power' is 23.4 dBm. The 'Measurement' list includes:

- 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

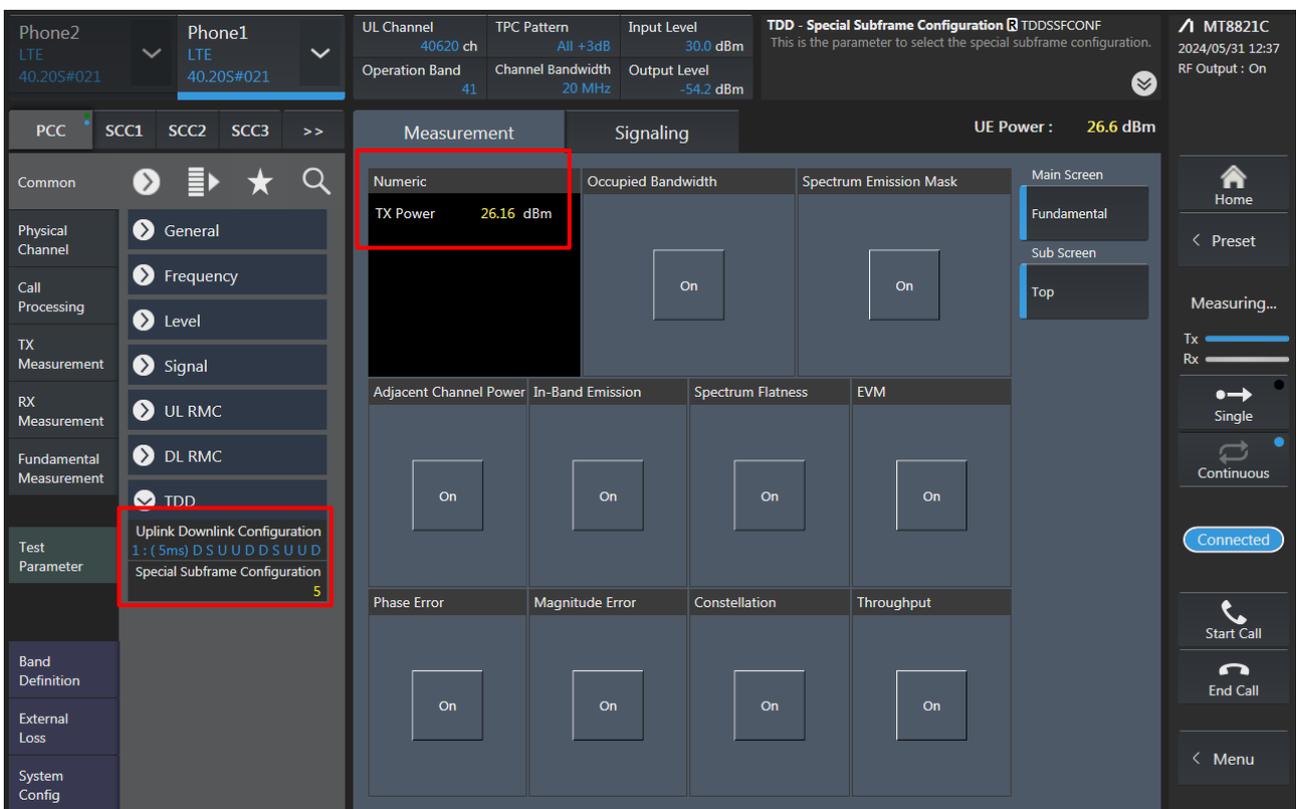
On the left, the 'Test Parameter' section shows 'Uplink Downlink Configuration 1: (5ms) D S U U D D S U U D' and 'Special Subframe Configuration 4'. The 'Status' bar at the bottom right shows 'Connected'.

<LTE TDD Power class 3>



The screenshot shows the LTE TDD Power class 3 test interface. The top status bar displays 'Phone2 LTE 40.20S#021' and 'Phone1 LTE 40.20S#021'. The 'UL Channel' is 40620 ch, 'Operation Band' is 41, 'TPC Pattern' is All +3dB, 'Channel Bandwidth' is 20 MHz, 'Input Level' is 30.0 dBm, and 'Output Level' is -54.2 dBm. The 'TDD - Special Subframe Configuration' is set to TDDSSFCNF. The 'UE Power' is 23.5 dBm. The 'Measurement' section shows 'TX Power' at 23.19 dBm. The 'Fundamental Measurement' section shows 'Uplink Downlink Configuration 0: (5ms) D S U U D S U U U' and 'Special Subframe Configuration 5'. The 'Test Parameter' section shows 'TDD' selected. The 'Main Screen' section shows 'Fundamental' and 'Top' options. The 'Connected' status is shown at the bottom right.

<LTE TDD Power class 2>



The screenshot shows the LTE TDD Power class 2 test interface. The top status bar displays 'Phone2 LTE 40.20S#021' and 'Phone1 LTE 40.20S#021'. The 'UL Channel' is 40620 ch, 'Operation Band' is 41, 'TPC Pattern' is All +3dB, 'Channel Bandwidth' is 20 MHz, 'Input Level' is 30.0 dBm, and 'Output Level' is -54.2 dBm. The 'TDD - Special Subframe Configuration' is set to TDDSSFCNF. The 'UE Power' is 26.6 dBm. The 'Measurement' section shows 'TX Power' at 26.16 dBm. The 'Fundamental Measurement' section shows 'Uplink Downlink Configuration 1: (5ms) D S U U D D S U U D' and 'Special Subframe Configuration 5'. The 'Test Parameter' section shows 'TDD' selected. The 'Main Screen' section shows 'Fundamental' and 'Top' options. The 'Connected' status is shown at the bottom right.

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.)

UE Power : 25.4 dBm

Measurement: 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)

Test Parameter:
 Number of RB: 1
 Starting RB: 0
 Max UL Throughput: 72 kbps
 MCS Index: 5 QPSK 5 72 8

<5G NR FR1>

5G NR V08.90.21#000 *SA-FDD | Power Measurement - Count PWR_AVG

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

UE Power : 26.0 dBm

Measurement: Numeric

Tx Power: 25.88 dBm
 OBW: 18.787 MHz
 ACLR(-): -53.74 dB
 ACLR(+): -55.90 dB

Occupied Bandwidth: OBW 18.787 MHz

Waveform: DFT-S-OFDM

Number of RB: 1
 Starting RB: 1
 Modulation: Pi/2 BPSK



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

Power Measurement - Count PWR_AVG

MT8000A 2024/05/24 14:12 Ref. Int

PCC SCC1 SCC2

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

UE Power : 26.0 dBm

Common

Level / Freq Cell

Level / Freq Routing / ARB N_TAoffset NR only

Physical Channel DL Subcarrier Spacing(data) 15kHz

Call Processing UL Subcarrier Spacing(data) 15kHz

Tx Measurement BW Setting Mode Symmetric

Rx Measurement DL Channel Bandwidth 20MHz

OTA DL Channel Bandwidth 20MHz

Fundamental Measurement DL Number of Additional BWP 0

UL Number of Additional BWP 0

BWP1 25 0 25 0

BWP2 25 0 25 0

BWP3 25 0 25 0

BWP4 25 0 25 0

Test Parameter BWP Switch Delay Type Type2

External Loss BWP Configuration Option Option2

System Config Active DL BWP 0

Active UL BWP

Measurement

Numeric

Tx Power 25.83 dBm

OBW 18.787 MHz

ACLR(-) -53.70 dB

ACLR(+) -55.93 dB

Occupied Bandwidth

OBW 18.787 MHz

Spectrum Emission Mask

On

Adjacent Channel Power

In-Band Emission

On

Spectrum Flatness

On

EVM

Phase Error

Magnitude Error

Constellation

On

On

On

On

Main Screen

Fundamental

Sub Screen

Top

Home

Preset

Measuring...

Tx

Rx

Single

Continuous

NR

Connected

Start Call

End Call

Menu

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

Power Measurement - Count PWR_AVG

MT8000A 2024/05/24 14:12 Ref. Int

PCC SCC1 SCC2

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

UE Power : 25.9 dBm

Common

Level / Freq Cell

Level / Freq Routing / ARB UL

Physical Channel Offset To Carrier 504

Call Processing PointA Channel 116048

PointA Frequency 580.240 000 MHz

Tx Measurement Center Channel 136100

Rx Measurement Center Frequency 680.500 000 MHz

OTA 7.5 kHz Frequency Shift Off

Fundamental Measurement DL

Offset To Carrier 102

PointA Channel 121320

PointA Frequency 606.600 000 MHz

Center Channel 126900

Center Frequency 634.500 000 MHz

Test Parameter Absolute Frequency SSB 125550

External Loss SSB Frequency 627.750 000 MHz

System Config Channel Setting Mode Lowest GSCN

Operation Band 71

Measurement

Numeric

Tx Power 25.84 dBm

OBW 18.787 MHz

ACLR(-) -53.57 dB

ACLR(+) -55.98 dB

Occupied Bandwidth

OBW 18.787 MHz

Spectrum Emission Mask

On

Adjacent Channel Power

In-Band Emission

On

Spectrum Flatness

On

EVM

Phase Error

Magnitude Error

Constellation

On

On

On

On

Main Screen

Fundamental

Sub Screen

Top

Home

Preset

Measuring...

Tx

Rx

Single

Continuous

NR

Connected

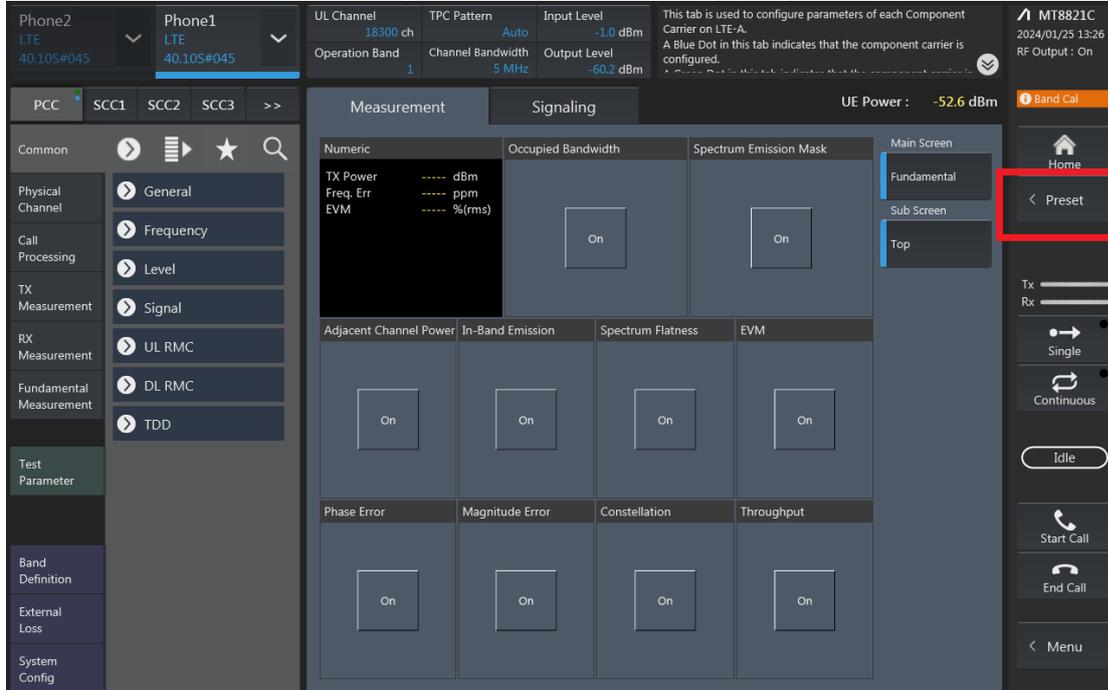
Start Call

End Call

Menu

LTE Uplink and Downlink Carrier Aggregation configurations:

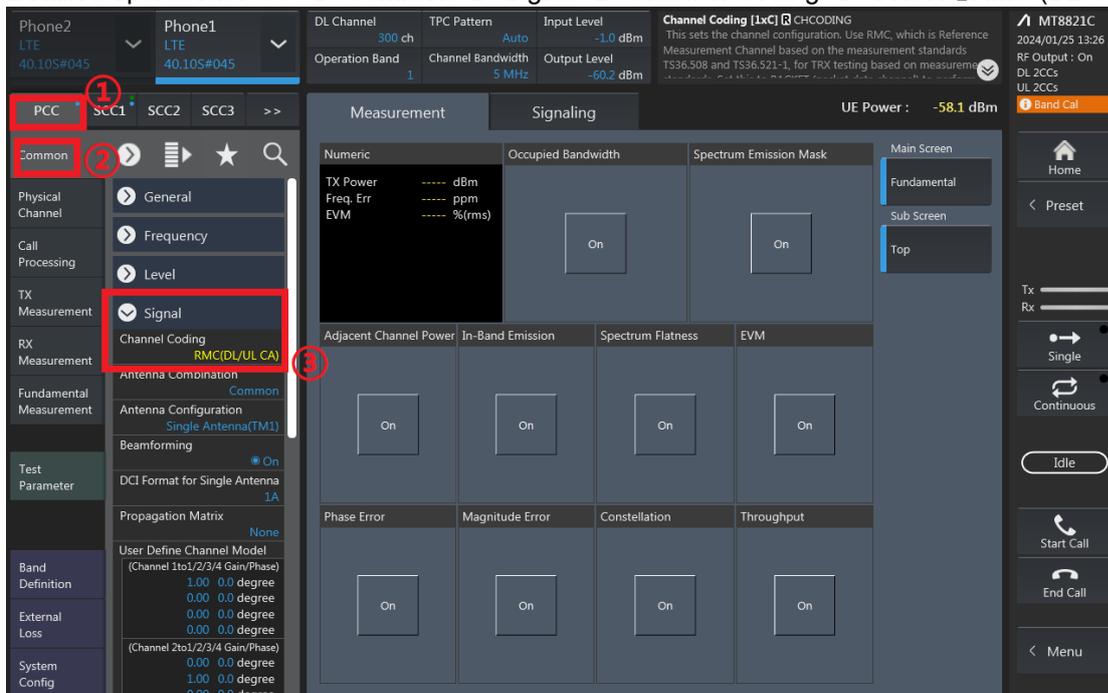
1. Change the Scenario in the Configuration of Phone1 LTE Signaling and Preset.



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)】



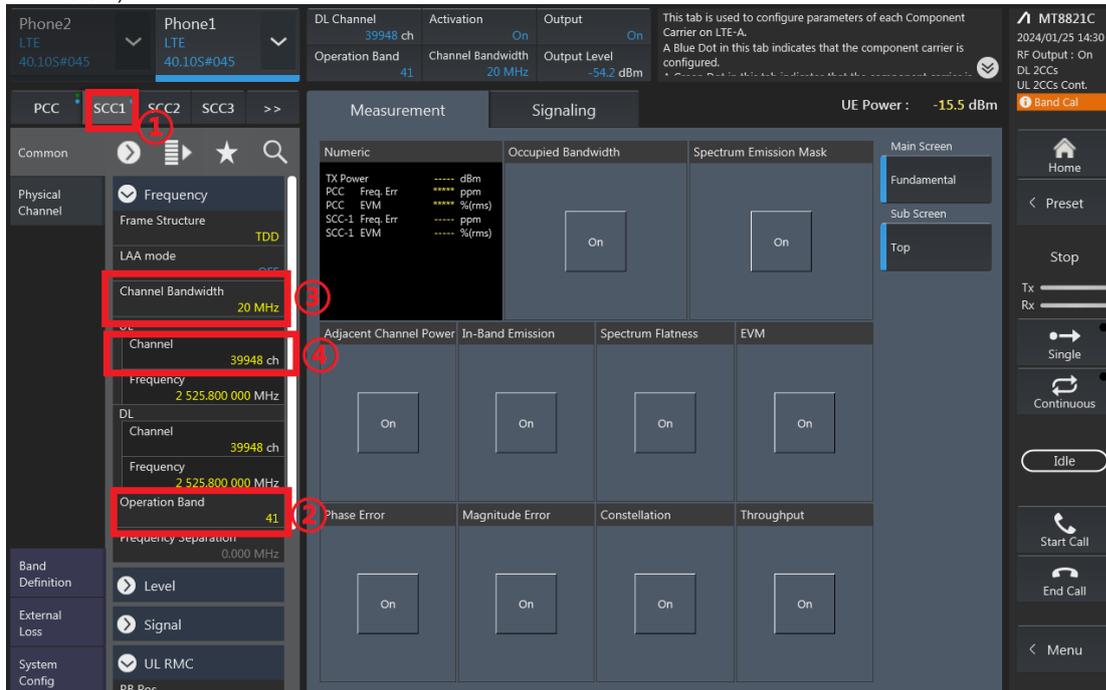
3. PCC parameter Settings: on the screen, and then select the PCC tab and Set operating band, BW, channel and RB configurations for PCC;

The screenshot shows the PCC parameter settings interface. The left sidebar contains a menu with 'Common' selected. The main area displays 'Measurement' and 'Signaling' tabs. Red boxes and numbers 1-4 highlight specific settings: 1. Common menu icon, 2. Operation Band (41), 3. Channel Bandwidth (20 MHz), 4. Channel (39750 ch).

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

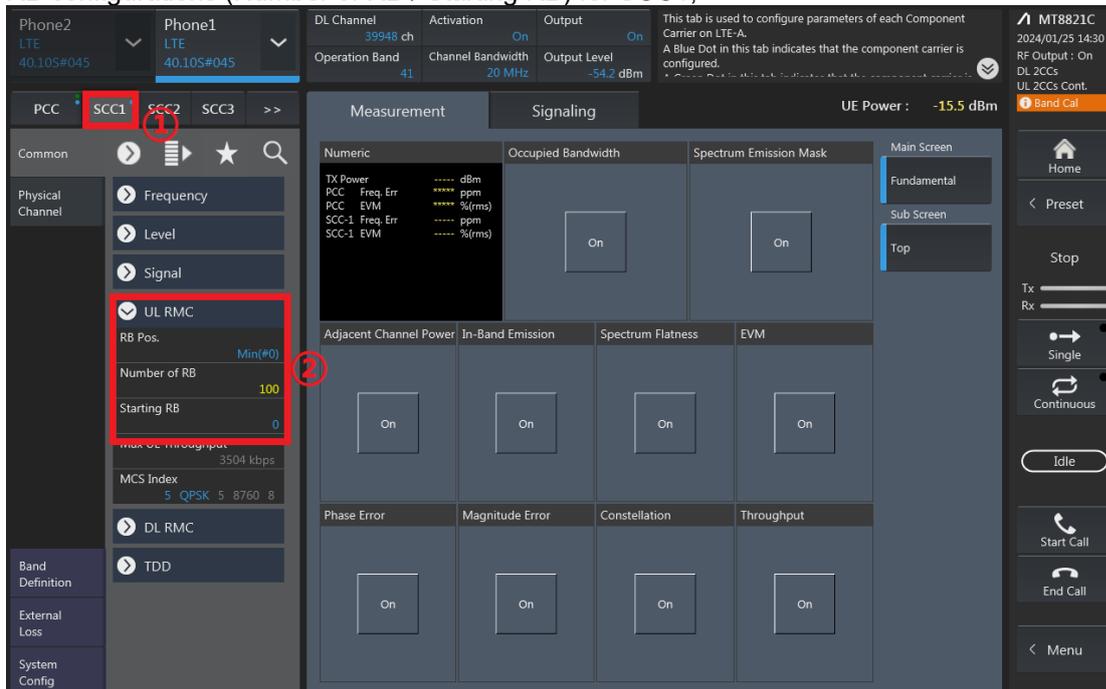
The screenshot shows the RB configurations interface. The left sidebar contains a menu with 'UL RMC' selected. The main area displays 'Measurement' and 'Signaling' tabs. Red boxes and numbers 1-3 highlight specific settings: 1. UL RMC menu item, 2. UL RMC selection, 3. Number of RB (100).

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



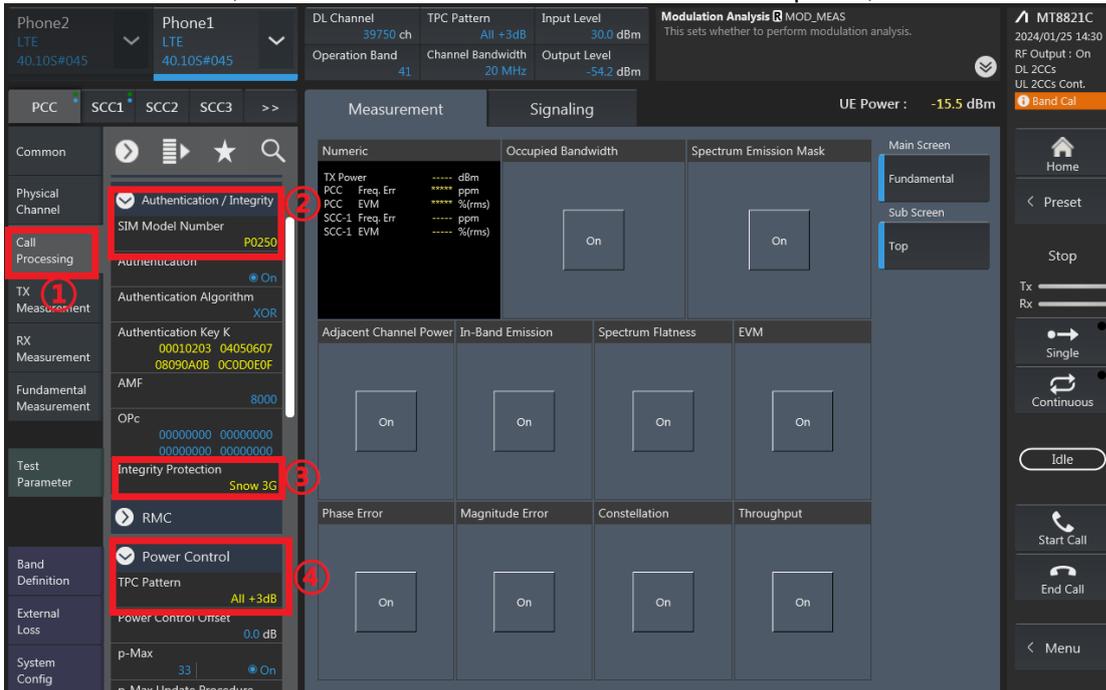
The screenshot shows the SCC1 configuration screen. The 'DL Channel' is set to 39948 ch, 'Operation Band' is 41, 'Channel Bandwidth' is 20 MHz, and 'Channel' is 39948 ch. The 'UL RMC' section is visible at the bottom of the left sidebar.

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

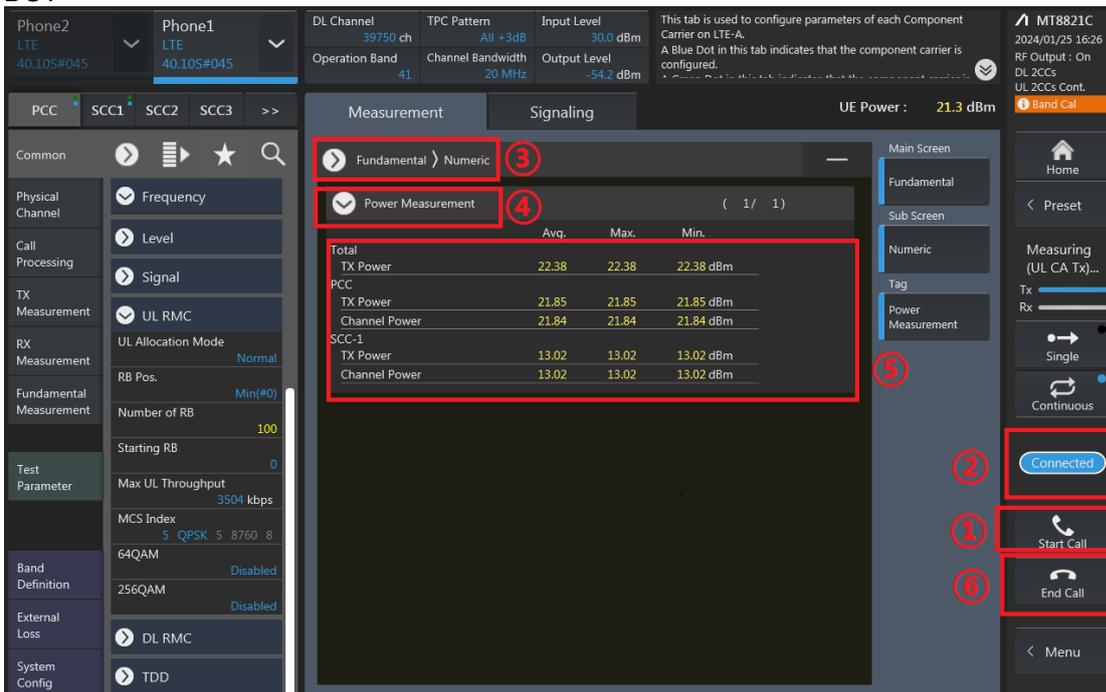


The screenshot shows the 'UL RMC' configuration screen. The 'Number of RB' is set to 100 and 'Starting RB' is set to 0. The 'DL RMC' and 'TDD' options are also visible in the sidebar.

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_Full & Default Power

CA_7C Ant 2								
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	24.39	25.70
21100	21298	QPSK	1	99	1	0	24.45	25.70
21350	21152	QPSK	1	0	1	99	24.36	25.70

CA_38C Ant 2								
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	24.75	25.70
37901	38099	QPSK	1	99	1	0	24.86	25.70
38150	37952	QPSK	1	0	1	99	24.73	25.70

CA_7C Ant 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	24.32	25.70
21100	21298	QPSK	1	99	1	0	24.43	25.70
21350	21152	QPSK	1	0	1	99	24.26	25.70

CA_38C Ant 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	24.35	25.70
37901	38099	QPSK	1	99	1	0	24.43	25.70
38150	37952	QPSK	1	0	1	99	24.23	25.70

CA_7C Ant 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	24.43	25.70
21100	21298	QPSK	1	99	1	0	24.53	25.70
21350	21152	QPSK	1	0	1	99	24.41	25.70

CA_38C Ant 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	24.39	25.70
37901	38099	QPSK	1	99	1	0	24.43	25.70
38150	37952	QPSK	1	0	1	99	24.25	25.70

CA_7C 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		
20850	21048	QPSK	1	99	1	0	23.38	25.00
21100	21298	QPSK	1	99	1	0	23.42	25.00
21350	21152	QPSK	1	0	1	99	23.32	25.00

CA_38C 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		
37850	38048	QPSK	1	99	1	0	23.64	25.00
37901	38099	QPSK	1	99	1	0	23.72	25.00
38150	37952	QPSK	1	0	1	99	23.58	25.00

Uplink CA_EC1 Power

CA_7C Ant 2								
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	17.65	18.70
21100	21298	QPSK	1	99	1	0	17.73	18.70
21350	21152	QPSK	1	0	1	99	17.67	18.70

CA_38C Ant 2								
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	19.89	21.20
37901	38099	QPSK	1	99	1	0	20.07	21.20
38150	37952	QPSK	1	0	1	99	19.98	21.20

CA_7C Ant 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	15.35	16.70
21100	21298	QPSK	1	99	1	0	15.44	16.70
21350	21152	QPSK	1	0	1	99	15.39	16.70

CA_38C Ant 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	17.89	19.20
37901	38099	QPSK	1	99	1	0	18.01	19.20
38150	37952	QPSK	1	0	1	99	17.91	19.20

CA_7C Ant 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	24.43	25.70
21100	21298	QPSK	1	99	1	0	24.53	25.70
21350	21152	QPSK	1	0	1	99	24.41	25.70

CA_38C Ant 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	24.39	25.70
37901	38099	QPSK	1	99	1	0	24.43	25.70
38150	37952	QPSK	1	0	1	99	24.25	25.70

CA_7C 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		
20850	21048	QPSK	1	99	1	0	14.91	16.50
21100	21298	QPSK	1	99	1	0	14.96	16.50
21350	21152	QPSK	1	0	1	99	14.90	16.50

CA_38C 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		
37850	38048	QPSK	1	99	1	0	18.64	20.00
37901	38099	QPSK	1	99	1	0	18.67	20.00
38150	37952	QPSK	1	0	1	99	18.55	20.00

Uplink CA_EC13 Power

CA_7C Ant 2								
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	18.15	19.20
21100	21298	QPSK	1	99	1	0	18.21	19.20
21350	21152	QPSK	1	0	1	99	18.19	19.20

CA_38C Ant 2								
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	20.41	21.70
37901	38099	QPSK	1	99	1	0	20.55	21.70
38150	37952	QPSK	1	0	1	99	20.48	21.70

CA_7C Ant 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	17.82	19.20
21100	21298	QPSK	1	99	1	0	17.93	19.20
21350	21152	QPSK	1	0	1	99	17.87	19.20

CA_38C Ant 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	20.29	21.70
37901	38099	QPSK	1	99	1	0	20.35	21.70
38150	37952	QPSK	1	0	1	99	20.24	21.70

CA_7C Ant 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	18.78	20.70
21100	21298	QPSK	1	99	1	0	18.89	20.70
21350	21152	QPSK	1	0	1	99	18.83	20.70

CA_38C Ant 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	21.38	23.20
37901	38099	QPSK	1	99	1	0	21.59	23.20
38150	37952	QPSK	1	0	1	99	21.53	23.20

CA_7C 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		
20850	21048	QPSK	1	99	1	0	17.31	19.00
21100	21298	QPSK	1	99	1	0	17.34	19.00
21350	21152	QPSK	1	0	1	99	17.29	19.00

CA_38C 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		
37850	38048	QPSK	1	99	1	0	19.62	21.00
37901	38099	QPSK	1	99	1	0	19.71	21.00
38150	37952	QPSK	1	0	1	99	19.59	21.00

Uplink CA_EC14 Power

CA_7C Ant 2								
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	18.15	19.20
21100	21298	QPSK	1	99	1	0	18.21	19.20
21350	21152	QPSK	1	0	1	99	18.19	19.20

CA_38C Ant 2								
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	20.41	21.70
37901	38099	QPSK	1	99	1	0	20.55	21.70
38150	37952	QPSK	1	0	1	99	20.48	21.70

CA_7C Ant 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	23.41	24.70
21100	21298	QPSK	1	99	1	0	23.46	24.70
21350	21152	QPSK	1	0	1	99	23.39	24.70

CA_38C Ant 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	24.35	25.70
37901	38099	QPSK	1	99	1	0	24.43	25.70
38150	37952	QPSK	1	0	1	99	24.23	25.70

CA_7C Ant 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	18.78	20.70
21100	21298	QPSK	1	99	1	0	18.89	20.70
21350	21152	QPSK	1	0	1	99	18.83	20.70

CA_38C Ant 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	21.38	23.20
37901	38099	QPSK	1	99	1	0	21.59	23.20
38150	37952	QPSK	1	0	1	99	21.53	23.20

CA_7C 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		
20850	21048	QPSK	1	99	1	0	23.38	25.00
21100	21298	QPSK	1	99	1	0	23.42	25.00
21350	21152	QPSK	1	0	1	99	23.32	25.00

CA_38C 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		
37850	38048	QPSK	1	99	1	0	23.64	25.00
37901	38099	QPSK	1	99	1	0	23.72	25.00
38150	37952	QPSK	1	0	1	99	23.58	25.00

Uplink CA_ECIS Power

CA_7C Ant 2								
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	17.65	18.70
21100	21298	QPSK	1	99	1	0	17.73	18.70
21350	21152	QPSK	1	0	1	99	17.67	18.70

CA_38C Ant 2								
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	19.89	21.20
37901	38099	QPSK	1	99	1	0	20.07	21.20
38150	37952	QPSK	1	0	1	99	19.98	21.20

CA_7C Ant 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	15.35	16.70
21100	21298	QPSK	1	99	1	0	15.44	16.70
21350	21152	QPSK	1	0	1	99	15.39	16.70

CA_38C Ant 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	17.89	19.20
37901	38099	QPSK	1	99	1	0	18.01	19.20
38150	37952	QPSK	1	0	1	99	17.91	19.20

CA_7C Ant 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	18.78	20.70
21100	21298	QPSK	1	99	1	0	18.89	20.70
21350	21152	QPSK	1	0	1	99	18.83	20.70

CA_38C Ant 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	21.38	23.20
37901	38099	QPSK	1	99	1	0	21.59	23.20
38150	37952	QPSK	1	0	1	99	21.53	23.20

CA_7C 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		
20850	21048	QPSK	1	99	1	0	14.91	16.50
21100	21298	QPSK	1	99	1	0	14.96	16.50
21350	21152	QPSK	1	0	1	99	14.90	16.50

CA_38C 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		
37850	38048	QPSK	1	99	1	0	18.64	20.00
37901	38099	QPSK	1	99	1	0	18.67	20.00
38150	37952	QPSK	1	0	1	99	18.55	20.00