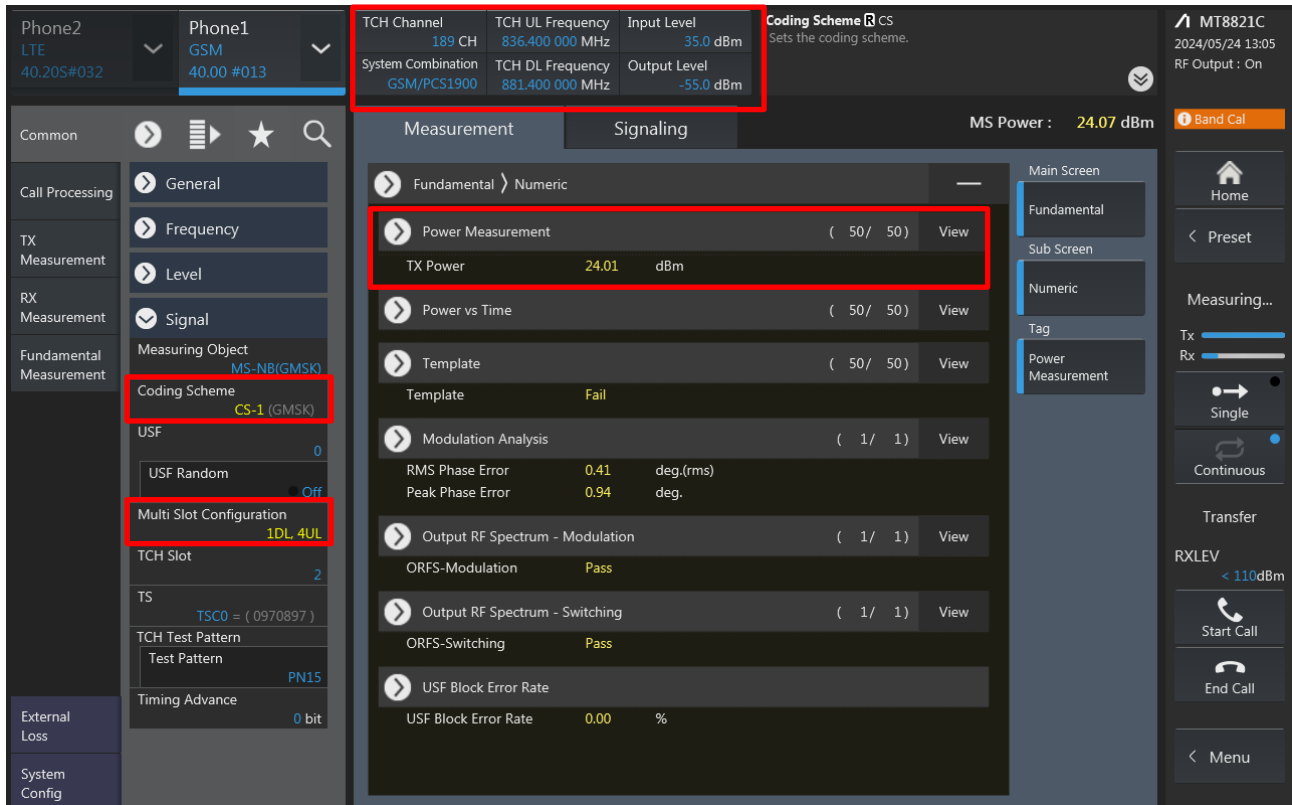


Power measurement connection diagram:

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.

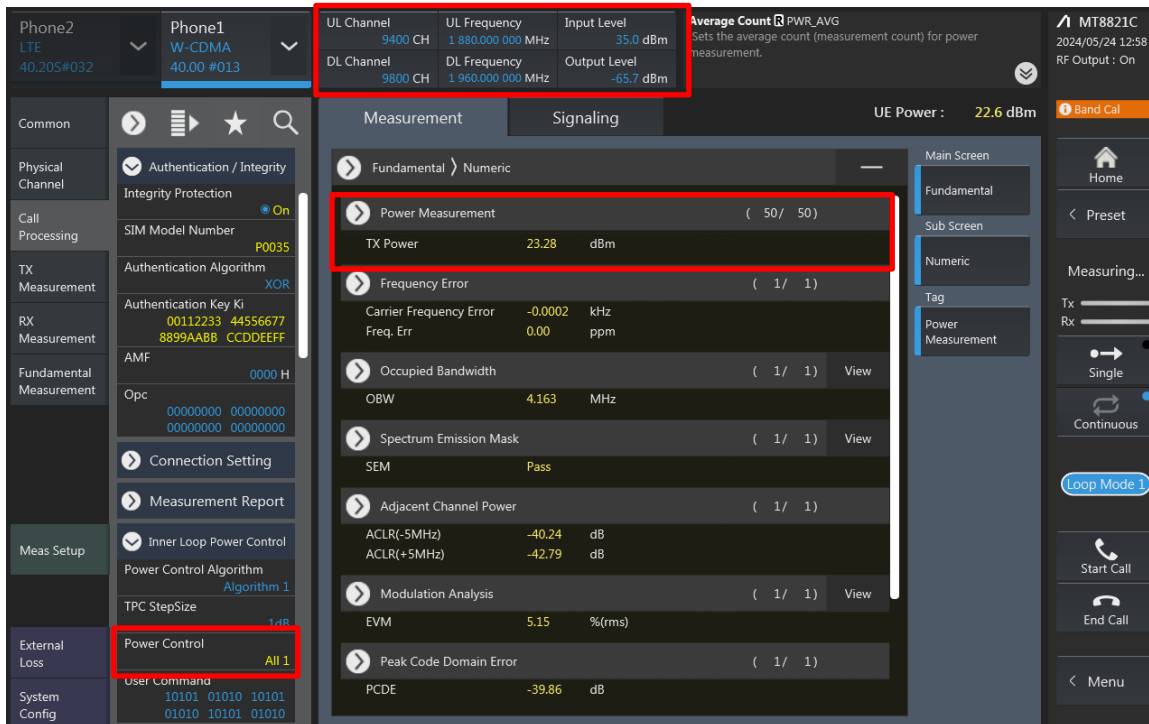
<GSM>



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

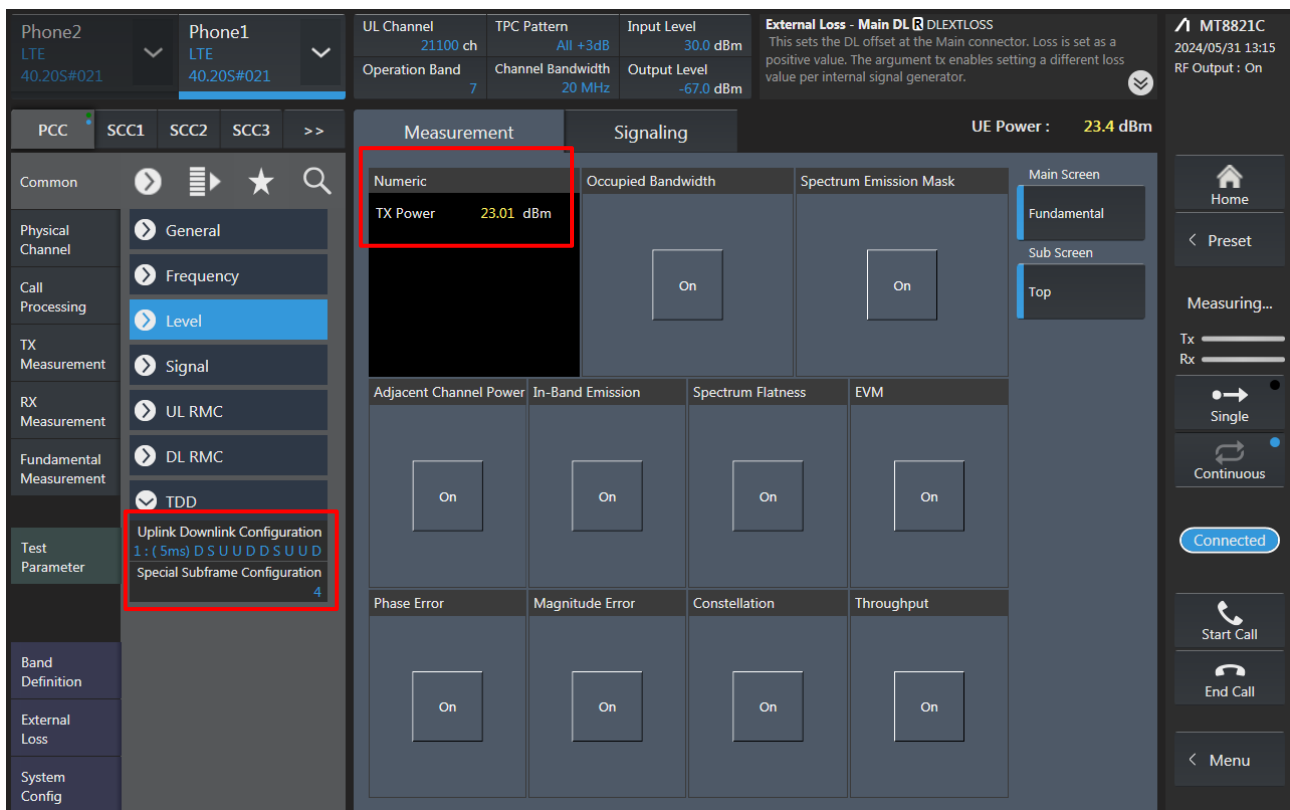
- Top Bar:** Shows Phone2 (LTE, 40.205#032) and Phone1 (GSM, 40.00 #013). It also displays TCH Channel (189 CH), TCH UL Frequency (836.400 000 MHz), Input Level (35.0 dBm), TCH DL Frequency (881.400 000 MHz), and Output Level (-55.0 dBm). The Coding Scheme is set to CS.
- Left Sidebar:** Contains navigation 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 'MT8821C' with a timestamp of 2024/05/24 13:05 and 'RF Output : On'. It also includes a 'Band Cal' button and a 'Main Screen' section with 'Fundamental', 'Sub Screen', 'Numeric', and 'Tag' options.

<WCDMA>



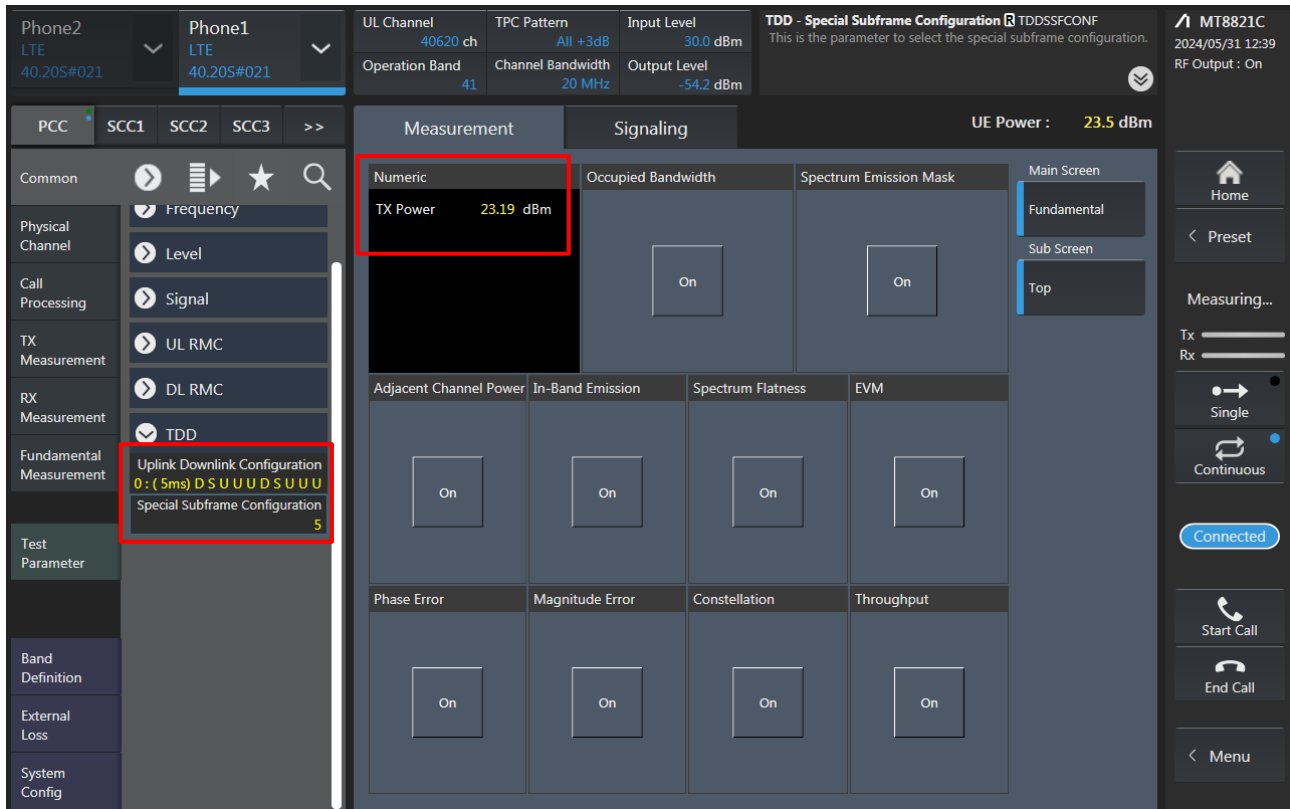
The screenshot shows the WCDMA measurement interface. The top bar displays 'Phone2 LTE 40.20S#032' and 'Phone1 W-CDMA 40.00 #013'. The 'Measurement' tab is active, showing 'Fundamental' and 'Numeric' views. The 'Power Measurement' section is highlighted with a red box, showing 'TX Power' at 23.28 dBm. 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 'Main Screen' shows 'Fundamental' and 'Sub Screen' views. The 'Tag' shows 'Power Measurement'. The 'Loop Mode' is set to 'Loop Mode 1'. The 'Start Call' and 'End Call' buttons are visible on the right side.

<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 '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 '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 'Main Screen' shows 'Fundamental' and 'Sub Screen' views. The 'Tag' shows 'Power Measurement'. The 'Loop Mode' is set to 'Loop Mode 1'. The 'Start Call' and 'End Call' buttons are visible on the right side.

<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

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

TDD - Special Subframe Configuration TDDSSFCNF This is the parameter to select the special subframe configuration.

MT8821C 2024/05/31 12:39 RF Output : On

UE Power : 23.5 dBm

Measurement

Numeric TX Power 23.19 dBm

Occupied Bandwidth

Spectrum Emission Mask

Main Screen

Fundamental

Sub Screen

Top

Adjacent Channel Power

In-Band Emission

Spectrum Flatness

EVM

Phase Error

Magnitude Error

Constellation

Throughput

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 D S U U U

Special Subframe Configuration 5

Home

Preset

Measuring...

Tx

Rx

Single

Continuous

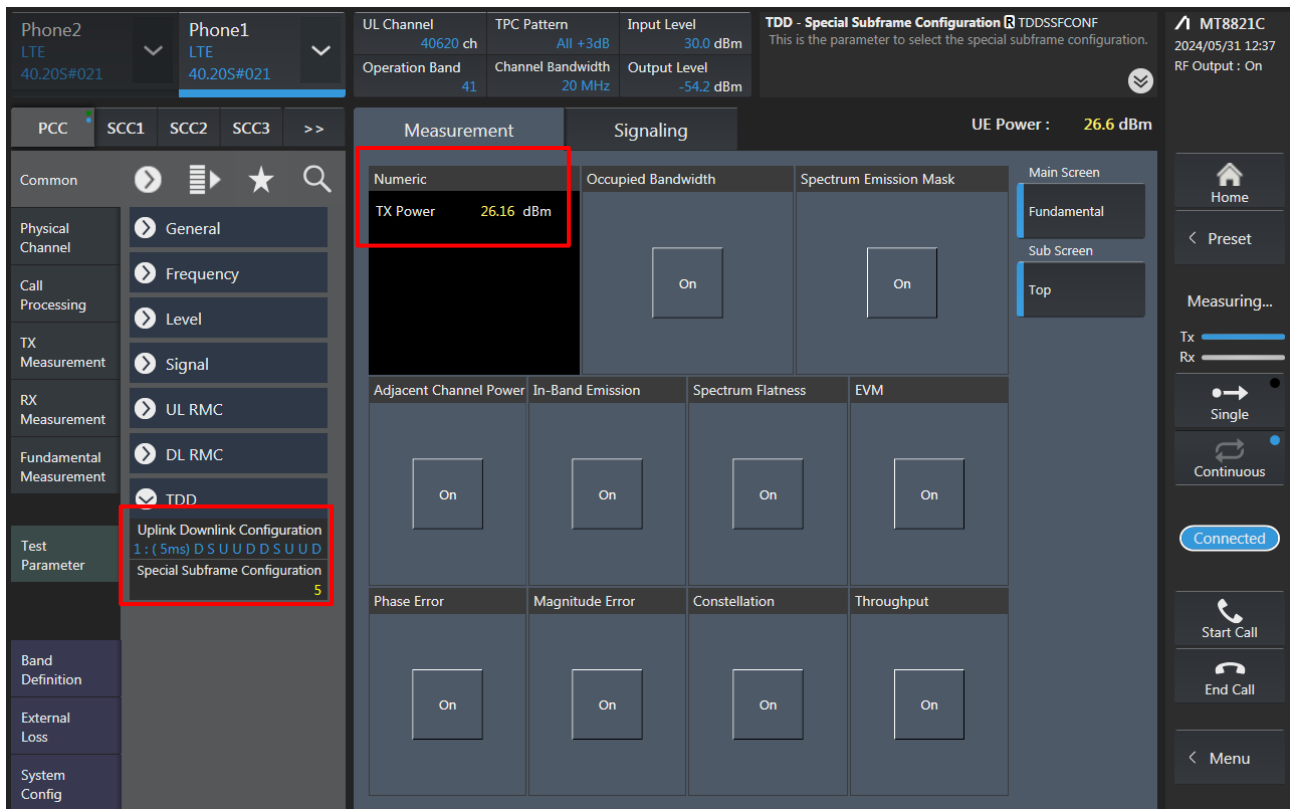
Connected

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

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

TDD - Special Subframe Configuration TDDSSFCNF This is the parameter to select the special subframe configuration.

MT8821C 2024/05/31 12:37 RF Output : On

UE Power : 26.6 dBm

Measurement

Numeric TX Power 26.16 dBm

Occupied Bandwidth

Spectrum Emission Mask

Main Screen

Fundamental

Sub Screen

Top

Adjacent Channel Power

In-Band Emission

Spectrum Flatness

EVM

Phase Error

Magnitude Error

Constellation

Throughput

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 D

Special Subframe Configuration 5

Home

Preset

Measuring...

Tx

Rx

Single

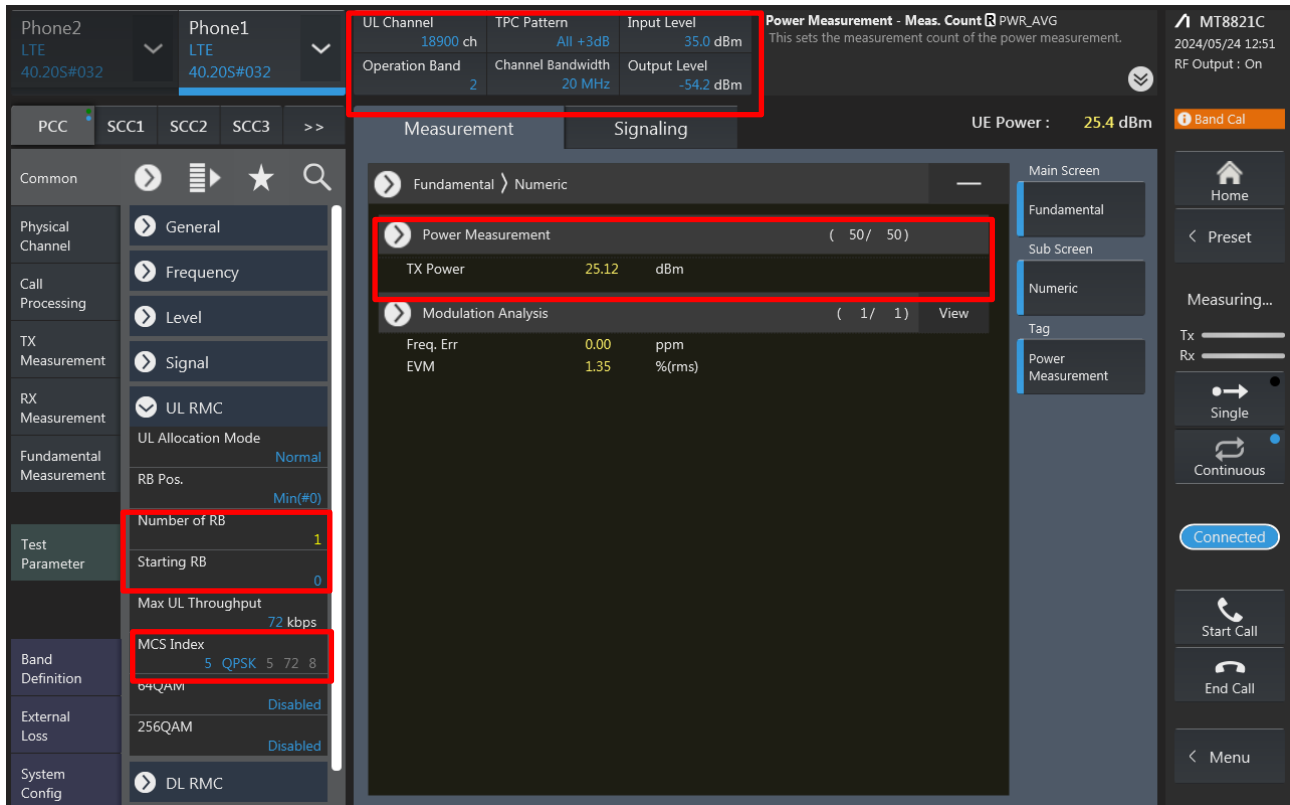
Continuous

Connected

Start Call

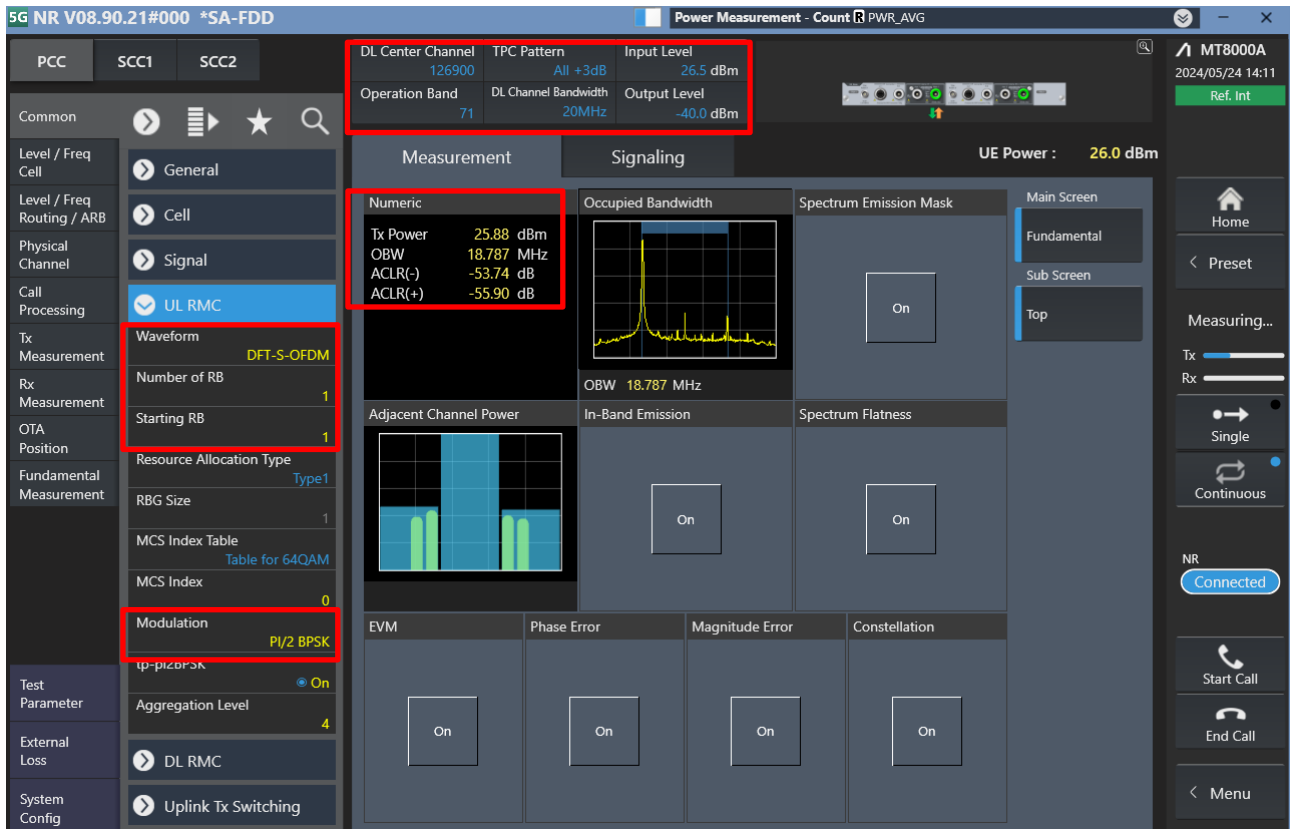
End Call

Menu

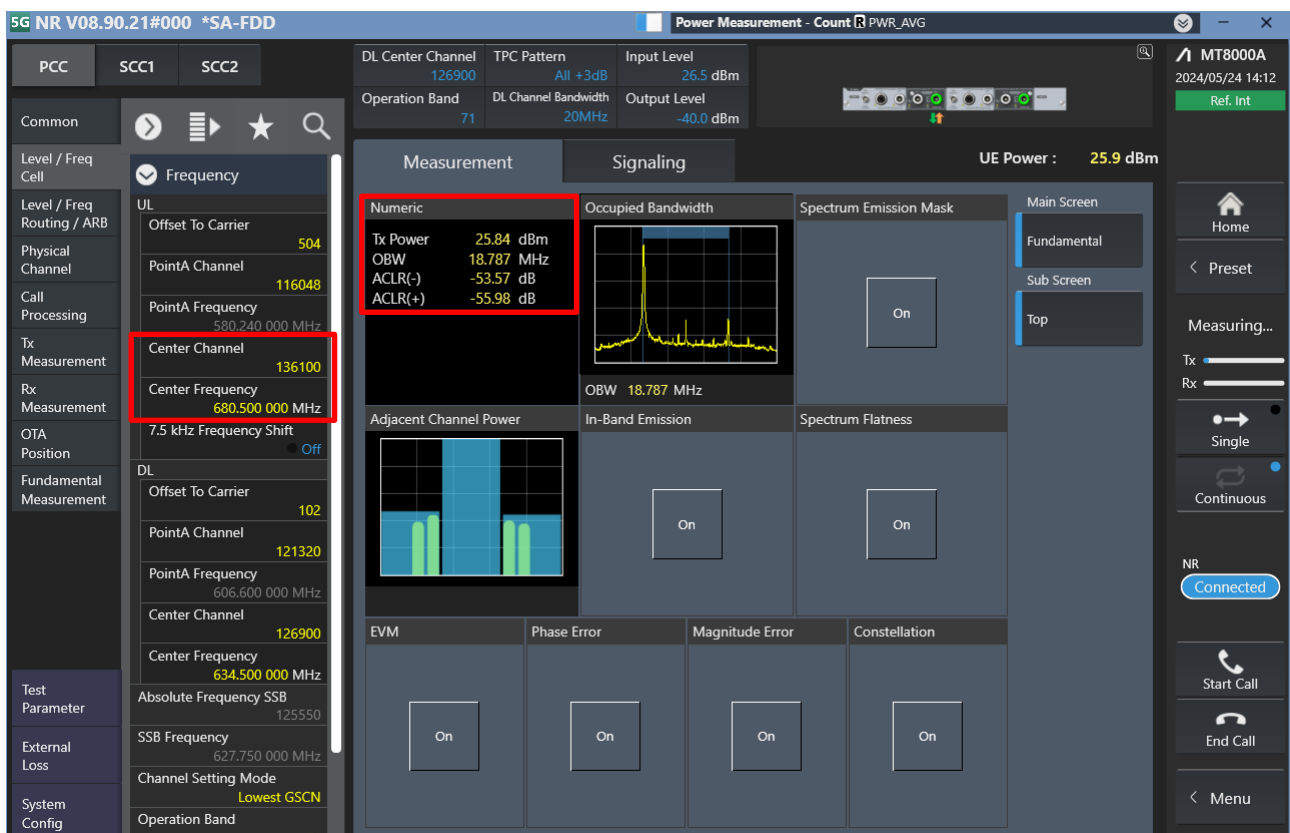
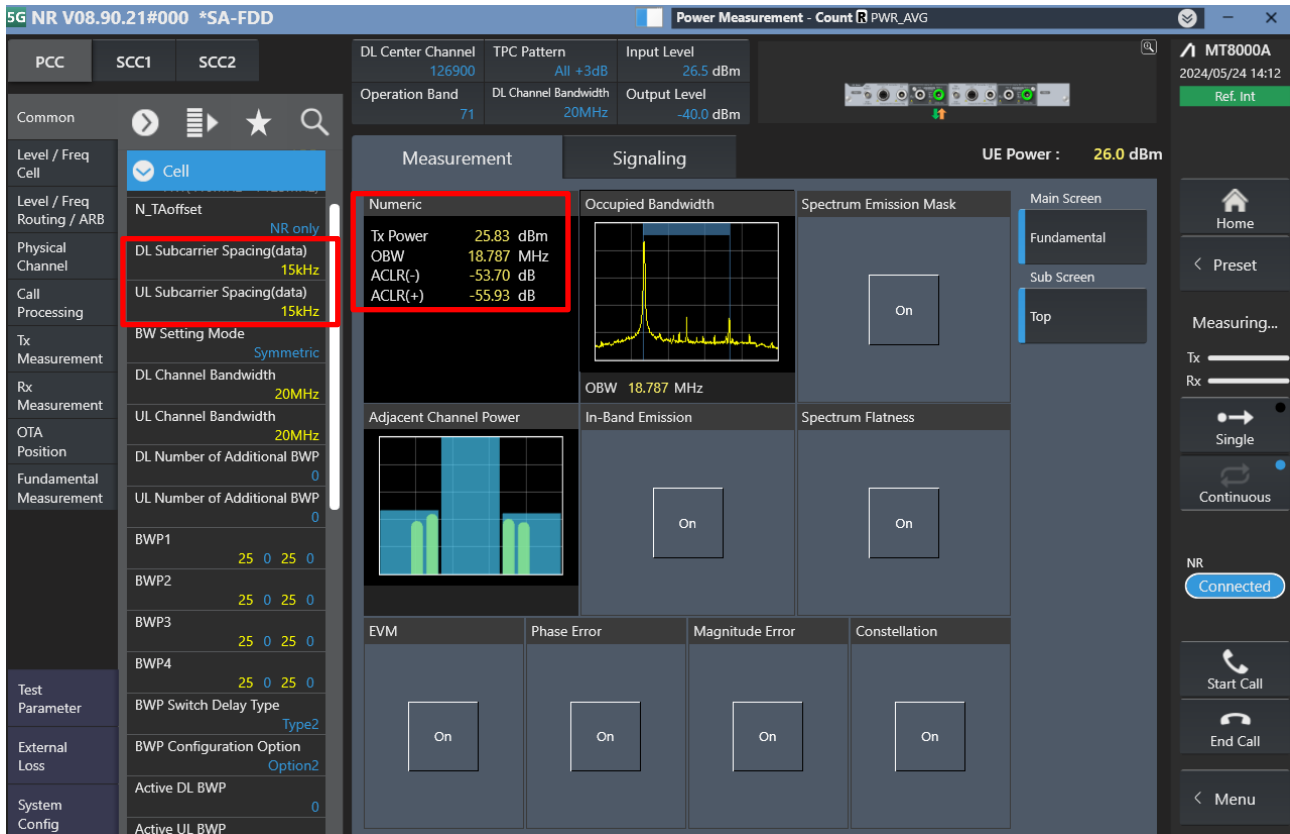


The screenshot displays the SPORTON LAB. software interface for LTE configuration and measurement. The top bar shows 'Phone2' and 'Phone1' both set to 'LTE 40.20S#032'. The 'Measurement' tab is active, showing 'Fundamental' and 'Numeric' views. The 'Power Measurement' section is highlighted, showing 'TX Power' at 25.12 dBm. The 'Modulation Analysis' section shows 'Freq. Err' at 0.00 ppm and 'EVM' at 1.35 % (rms). The 'Test Parameter' section on the left shows 'Number of RB' at 1, 'Starting RB' at 0, and 'MCS Index' at 5 QPSK. The 'Band Definition' section shows '256QAM' and '256QAM' as disabled. The 'System Config' section shows 'DL RMC'.

<5G NR FR1>

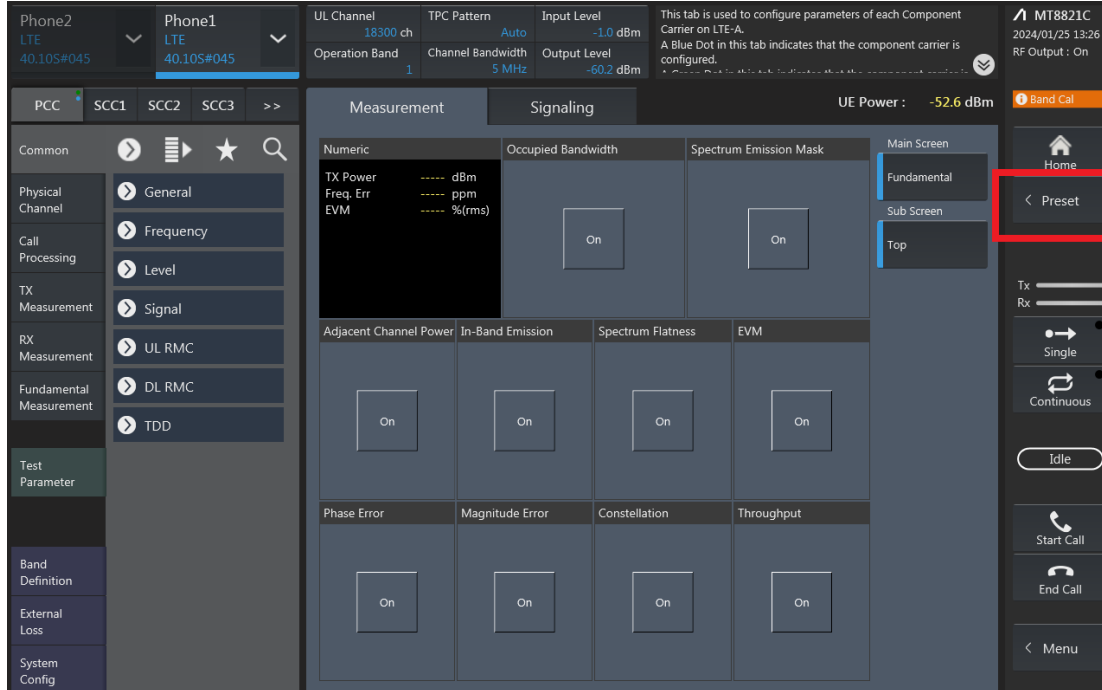


The screenshot displays the SPORTON LAB. software interface for 5G NR FR1 configuration and measurement. The top bar shows '5G NR V08.90.21#000 *SA-FDD'. The 'Measurement' tab is active, showing 'Fundamental' and 'Numeric' views. The 'Power Measurement' section is highlighted, showing 'Tx Power' at 25.88 dBm, 'OBW' at 18.787 MHz, 'ACLR(-)' at -53.74 dB, and 'ACLR(+)' at -55.90 dB. The 'Modulation' section shows 'DFT-S-OFDM' and 'Pl/2 BPSK'. The 'Test Parameter' section on the left shows 'Waveform' at DFT-S-OFDM, 'Number of RB' at 1, 'Starting RB' at 1, 'Resource Allocation Type' at Type1, 'RBG Size' at 1, 'MCS Index Table' at Table for 64QAM, 'MCS Index' at 0, and 'Modulation' at Pl/2 BPSK. The 'Band Definition' section shows '256QAM' and '256QAM' as disabled. The 'System Config' section shows 'DL RMC' and 'Uplink Tx Switching'.



LTE Uplink and Downlink Carrier Aggregation configurations:

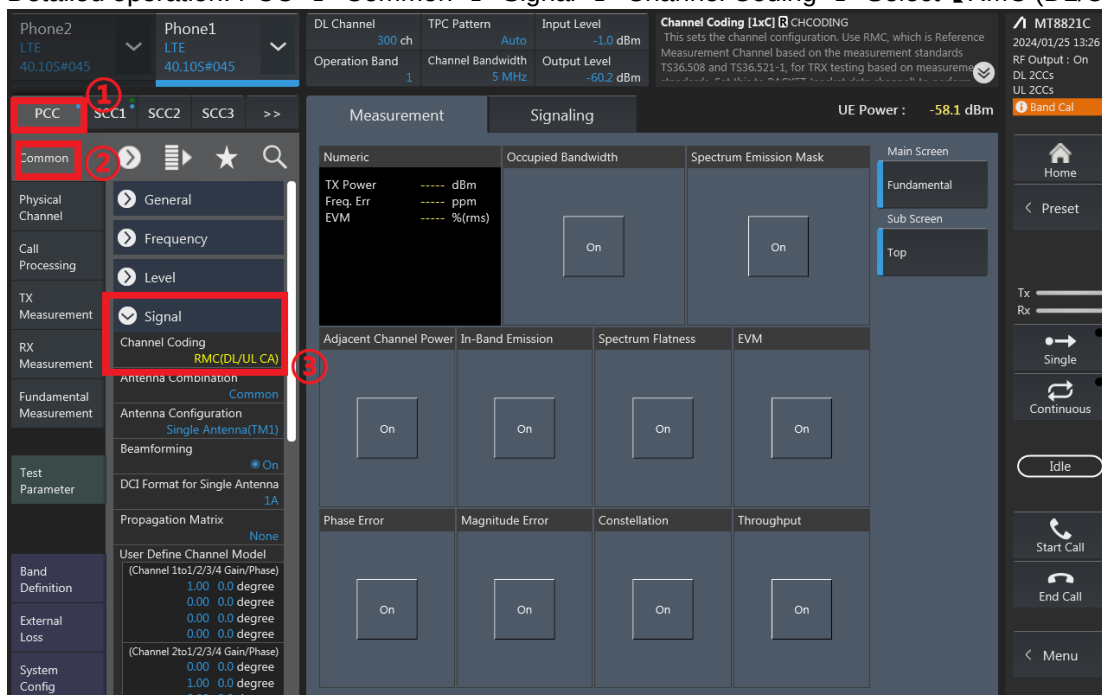
1. Change the Scenario in the Configuration of Phone1 LTE Signaling and Preset.



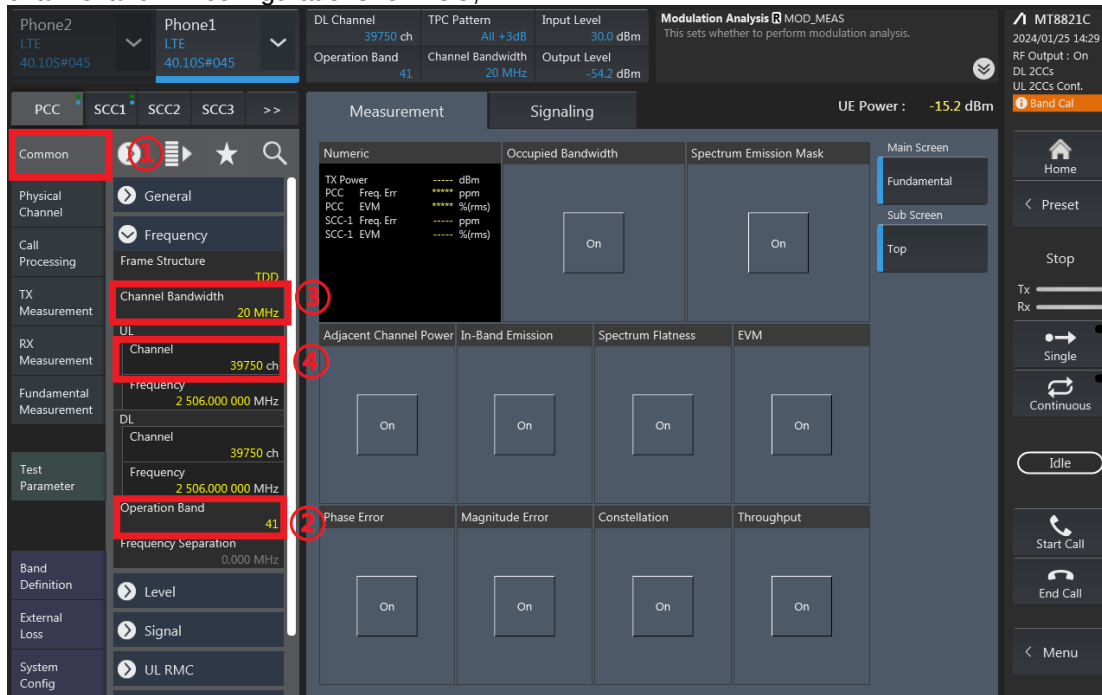
2. If Select "RMC (DL/UL CA)" for Uplink Carrier Aggregation;
If Select "RMC (DL CA)" for Downlink Carrier Aggregation.

For example, Uplink Carrier Aggregation:

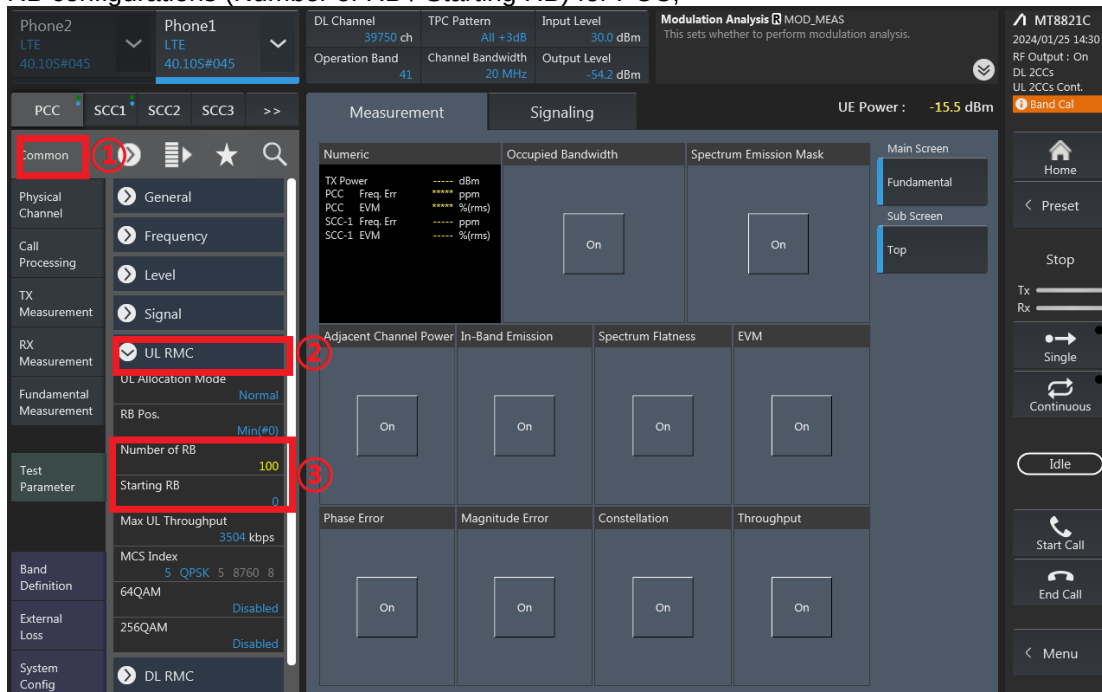
Detailed operation: PCC → Common → Signal → Channel Coding → Select 【RMC (DL/UL CA)】



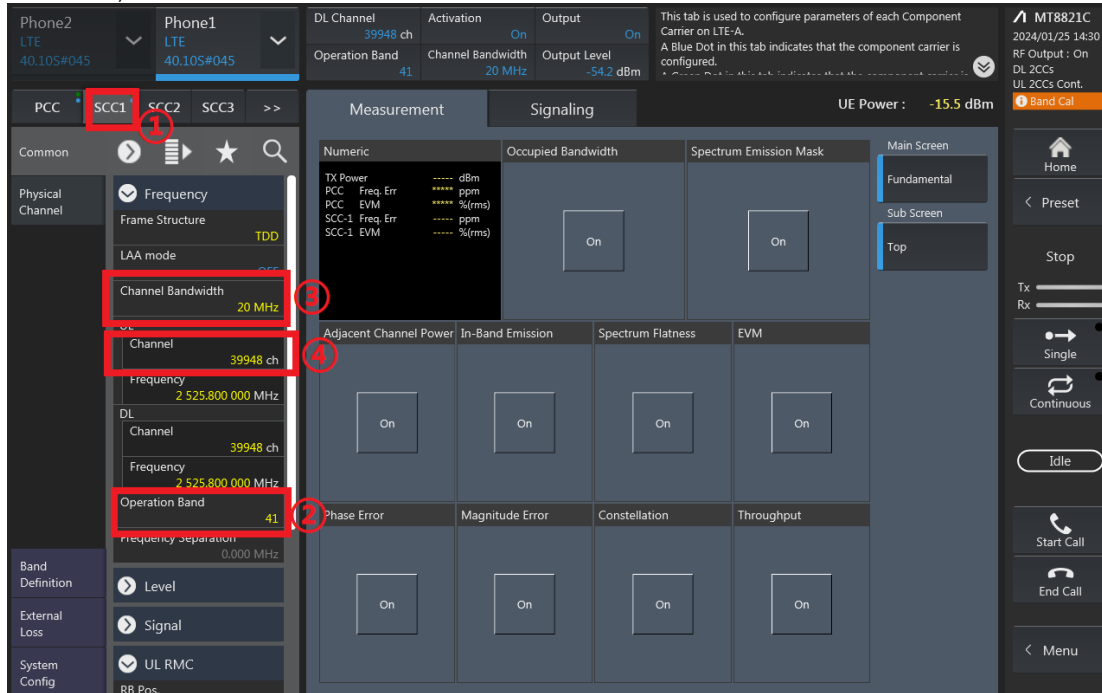
3. PCC parameter Settings: on the screen, and then select the PCC tab and Set operating band, BW, channel and RB configurations for PCC;



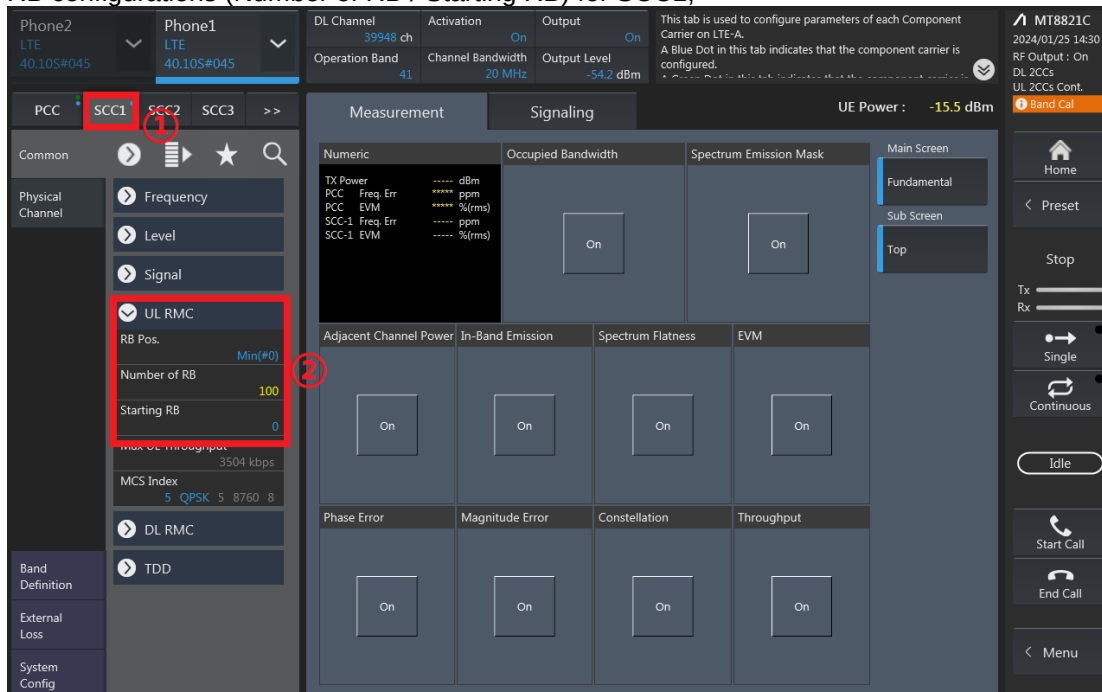
RB configurations (Number of RB / Starting RB) for PCC;



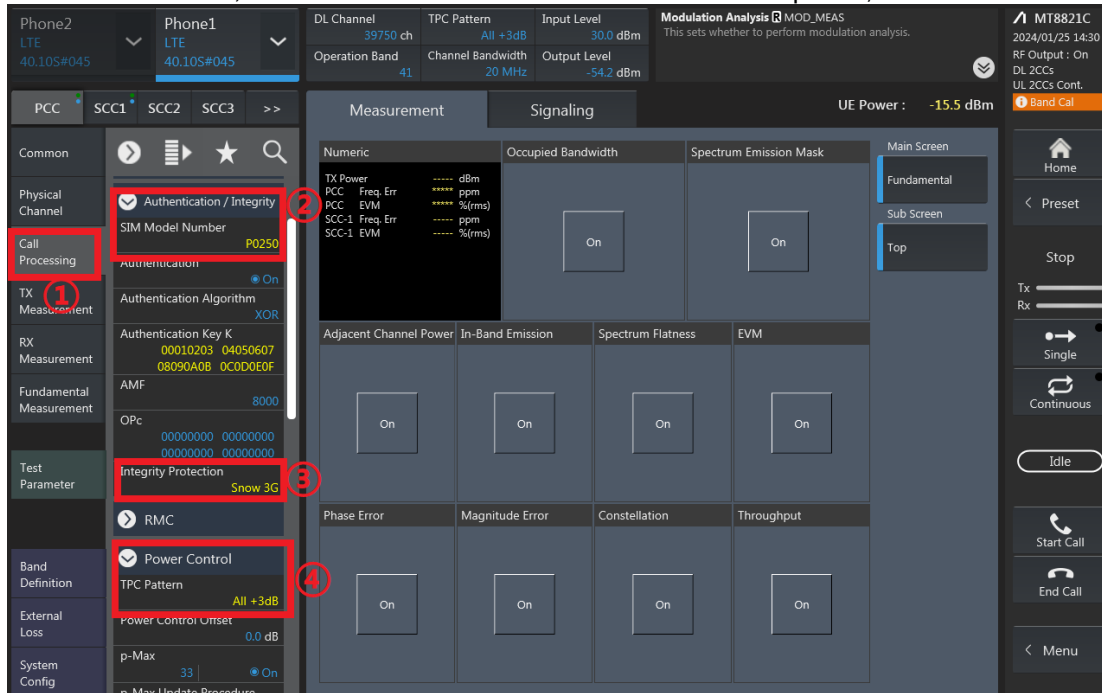
4. SCC parameter Settings: Select the SCC1 tab, Set operating band, BW, channel, and RB configurations for SCC1;



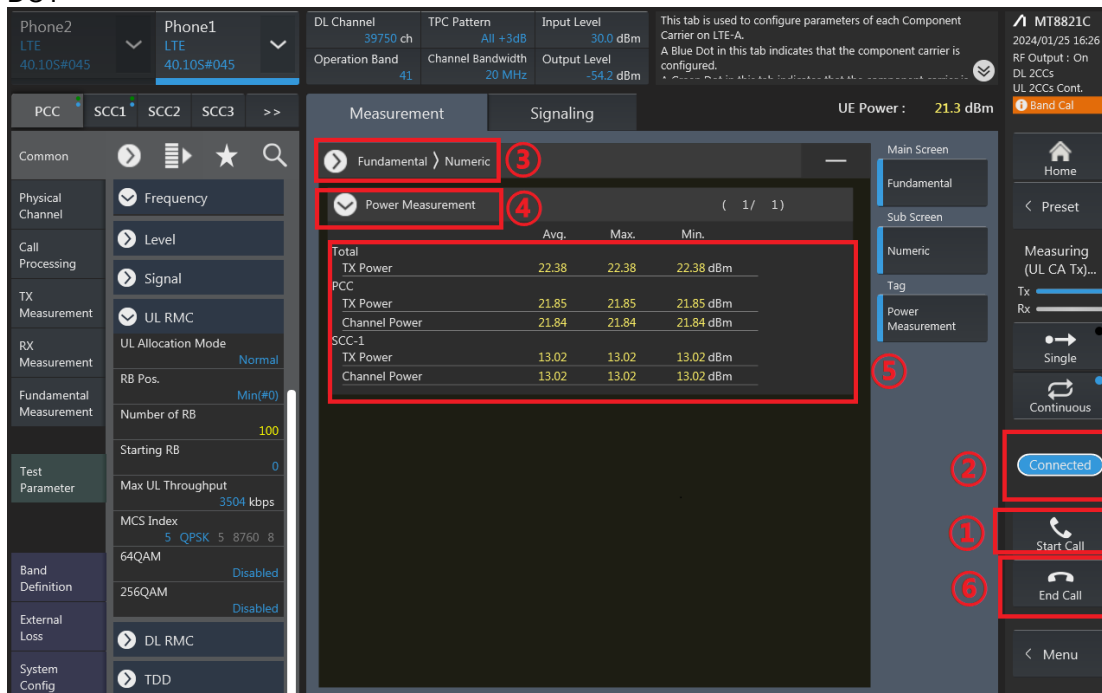
RB configurations (Number of RB / Starting RB) for SCC1;



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



	Avg.	Max.	Min.
Total TX Power	22.38	22.38	22.38 dBm
PCC TX Power	21.85	21.85	21.85 dBm
Channel Power	21.84	21.84	21.84 dBm
SCC-1 TX Power	13.02	13.02	13.02 dBm
Channel Power	13.02	13.02	13.02 dBm

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

CA, n41C Ant 2, Full Power								
Combination 100MHz+50MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528186	BPSK	144	129	108	0	22.88	24.00
509098	528582	BPSK	144	129	108	0	22.94	24.00
510012	528998	BPSK	144	129	108	0	22.75	24.00

CA, n41C Ant 6, Full Power								
Combination 100MHz+50MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528186	BPSK	144	129	108	0	22.10	23.00
509098	528582	BPSK	144	129	108	0	22.24	23.00
510012	528998	BPSK	144	129	108	0	22.15	23.00

CA, n41C Ant 1, Full Power								
Combination 100MHz+50MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528186	BPSK	144	129	108	0	22.73	24.00
509098	528582	BPSK	144	129	108	0	22.83	24.00
510012	528998	BPSK	144	129	108	0	22.77	24.00

CA, n41C Ant 0, Full Power								
Combination 100MHz+50MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528186	BPSK	144	129	108	0	22.13	23.00
509098	528582	BPSK	144	129	108	0	22.25	23.00
510012	528998	BPSK	144	129	108	0	22.17	23.00

CA, n77C Ant 7, Full Power								
Combination 100MHz+30MHz (273RB+76RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	23.31	24.00
650008	659334	BPSK	162	108	0	0	23.35	24.00
660006	664332	BPSK	162	108	0	0	23.14	24.00

CA, n77C Ant 8, Full Power								
Combination 100MHz+30MHz (273RB+76RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	23.21	24.00
650008	659334	BPSK	162	108	0	0	23.32	24.00
660006	664332	BPSK	162	108	0	0	23.12	24.00

CA, n77C Ant 5, Full Power								
Combination 100MHz+30MHz (273RB+76RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	22.25	24.00
650008	659334	BPSK	162	108	0	0	22.27	24.00
660006	664332	BPSK	162	108	0	0	22.23	24.00

CA, n77C Ant 4, Full Power								
Combination 100MHz+30MHz (273RB+76RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	21.52	23.00
650008	659334	BPSK	162	108	0	0	21.67	23.00
660006	664332	BPSK	162	108	0	0	21.45	23.00

CA, n77C HPUE, Ant 8, Full Power								
Combination 100MHz+30MHz (273RB+76RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	25.36	27.00
650008	659334	BPSK	162	108	0	0	25.41	27.00
660006	664332	BPSK	162	108	0	0	25.21	27.00

CA, n77C HPUE, Ant 4, Full Power								
Combination 100MHz+30MHz (273RB+76RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	25.14	27.00
650008	659334	BPSK	162	108	0	0	25.29	27.00
660006	664332	BPSK	162	108	0	0	25.15	27.00

CA, n41C Ant 2, DSI2								
Combination 100MHz+60MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528196	BPSK	144	129	108	0	22.86	24.00
509598	528582	BPSK	144	129	108	0	22.94	24.00
510012	528996	BPSK	144	129	108	0	22.75	24.00

CA, n41C Ant 6, DSI2								
Combination 100MHz+60MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528186	BPSK	144	129	108	0	17.43	18.10
509598	528582	BPSK	144	129	108	0	17.74	18.10
510012	528996	BPSK	144	129	108	0	17.49	18.10

CA n41C Ant 1 DSI2								
Combination 100MHz+60MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528186	BPSK	144	129	108	0	16.78	18.00
509598	528582	BPSK	144	129	108	0	17.26	18.00
510012	528996	BPSK	144	129	108	0	16.80	18.00

CA, n41C Ant 0, DSI2								
Combination 100MHz+60MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dlm)	Tune up Power (dlm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528196	BPSK	144	129	108	0	22.13	23.00
509598	528582	BPSK	144	129	108	0	22.25	23.00
510012	528996	BPSK	144	129	108	0	22.17	23.00

CA: n77C Ant 7, DSI2								
Combination 100MHz+30MHz (273RB+78RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	16.86	18.10
655008	659334	BPSK	162	108	0	0	17.06	18.10
660006	664332	BPSK	162	108	0	0	17.01	18.10

CA- n77C Ant 8, DSI2								
Combination 100MHz+30MHz (273RB+78RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	19.85	21.00
655008	659334	BPSK	162	108	0	0	20.08	21.00
660006	664332	BPSK	162	108	0	0	19.86	21.00

CA- n77C Ant 5, DSI2								
Combination 100MHz+30MHz (273RB+78RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	17.98	19.20
655008	659334	BPSK	162	108	0	0	18.19	19.20
660006	664332	BPSK	162	108	0	0	17.98	19.20

CA: n77C Ant 4, DSI2								
Combination 100MHz+30MHz (273RB+78RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	19.49	20.70
655008	659334	BPSK	162	108	0	0	19.79	20.70
660006	664332	BPSK	162	108	0	0	19.54	20.70

CA, n77C HPUE, Ant 8, DSI2								
Combination 100MHz+30MHz (273RB+78RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	19.85	21.10
655008	659334	BPSK	162	108	0	0	20.14	21.10
660006	664332	BPSK	162	108	0	0	19.99	21.10

CA, n77C HPUE Ant 8, DSI2								
Combination 100MHz+30MHz (273RB+78RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	22.73	24.00
655008	659334	BPSK	162	108	0	0	23.08	24.00
660006	664332	BPSK	162	108	0	0	22.83	24.00

CA_n41C Ant 2_DSI3								
Combination 100MHz+60MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528196	BPSK	144	129	108	0	20.44	21.80
509598	528582	BPSK	144	129	108	0	20.88	21.80
510012	528996	BPSK	144	129	108	0	20.67	21.80

CA_n41C Ant 6_DSI3								
Combination 100MHz+60MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528196	BPSK	144	129	108	0	18.10	18.70
509598	528582	BPSK	144	129	108	0	18.34	18.70
510012	528996	BPSK	144	129	108	0	18.20	18.70

CA_n41C Ant 1_DSI3								
Combination 100MHz+60MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528196	BPSK	144	129	108	0	17.58	19.20
509598	528582	BPSK	144	129	108	0	18.30	19.20
510012	528996	BPSK	144	129	108	0	18.00	19.20

CA_n41C Ant 0_DSI3								
Combination 100MHz+60MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528196	BPSK	144	129	108	0	22.13	23.00
509598	528582	BPSK	144	129	108	0	22.25	23.00
510012	528996	BPSK	144	129	108	0	22.17	23.00

CA_n77C Ant 7_DSI3								
Combination 100MHz+30MHz (273RB+78RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	19.28	20.50
655008	659334	BPSK	162	108	0	0	19.57	20.50
660006	664332	BPSK	162	108	0	0	19.34	20.50

CA_n77C Ant 8_DSI3								
Combination 100MHz+30MHz (273RB+78RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	19.70	21.00
655008	659334	BPSK	162	108	0	0	20.08	21.00
660006	664332	BPSK	162	108	0	0	19.83	21.00

CA_n77C Ant 5_DSI3								
Combination 100MHz+30MHz (273RB+78RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	19.95	21.10
655008	659334	BPSK	162	108	0	0	20.22	21.10
660006	664332	BPSK	162	108	0	0	19.94	21.10

CA_n77C Ant 4_DSI3								
Combination 100MHz+30MHz (273RB+78RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	21.52	23.00
655008	659334	BPSK	162	108	0	0	21.67	23.00
660006	664332	BPSK	162	108	0	0	21.45	23.00

CA_n77C HPUE_Ant 8_DSI3								
Combination 100MHz+30MHz (273RB+78RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	22.31	23.50
655008	659334	BPSK	162	108	0	0	22.48	23.50
660006	664332	BPSK	162	108	0	0	22.38	23.50

CA_n77C HPUE_Ant 4_DSI3								
Combination 100MHz+30MHz (273RB+78RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	22.77	24.00
655008	659334	BPSK	162	108	0	0	22.96	24.00
660006	664332	BPSK	162	108	0	0	22.88	24.00

CA_m41C Ant 2_DS16								
Combination 100MHz+60MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528196	BPSK	144	129	108	0	21.21	22.50
509598	528582	BPSK	144	129	108	0	21.56	22.50
510012	528996	BPSK	144	129	108	0	21.40	22.50

CA_m41C Ant 6_DS16								
Combination 100MHz+60MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528196	BPSK	144	129	108	0	19.63	20.70
509598	528582	BPSK	144	129	108	0	20.06	20.70
510012	528996	BPSK	144	129	108	0	19.82	20.70

CA_m41C Ant 1_DS16								
Combination 100MHz+60MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528196	BPSK	144	129	108	0	20.38	21.60
509598	528582	BPSK	144	129	108	0	20.68	21.60
510012	528996	BPSK	144	129	108	0	20.45	21.60

CA_m41C Ant 0_DS16								
Combination 100MHz+60MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528196	BPSK	144	129	108	0	22.13	23.00
509598	528582	BPSK	144	129	108	0	22.25	23.00
510012	528996	BPSK	144	129	108	0	22.17	23.00

CA_m77C Ant 7_DS16								
Combination 100MHz+30MHz (273RB+78RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	19.23	20.50
655008	659334	BPSK	162	108	0	0	19.58	20.50
660006	664332	BPSK	162	108	0	0	19.35	20.50

CA_m77C Ant 8_DS16								
Combination 100MHz+30MHz (273RB+78RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	19.95	21.20
655008	659334	BPSK	162	108	0	0	20.19	21.20
660006	664332	BPSK	162	108	0	0	20.05	21.20

CA_m77C Ant 5_DS16								
Combination 100MHz+30MHz (273RB+78RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	21.70	22.90
655008	659334	BPSK	162	108	0	0	21.95	22.90
660006	664332	BPSK	162	108	0	0	21.89	22.90

CA_m77C Ant 4_DS16								
Combination 100MHz+30MHz (273RB+78RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	20.47	21.70
655008	659334	BPSK	162	108	0	0	20.77	21.70
660006	664332	BPSK	162	108	0	0	20.59	21.70

CA_m77C HPUE_Ant 8_DS16								
Combination 100MHz+30MHz (273RB+78RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	22.32	23.50
655008	659334	BPSK	162	108	0	0	22.48	23.50
660006	664332	BPSK	162	108	0	0	22.40	23.50

CA_m77C HPUE_Ant 4_DS16								
Combination 100MHz+30MHz (273RB+78RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	22.59	24.20
655008	659334	BPSK	162	108	0	0	23.17	24.20
660006	664332	BPSK	162	108	0	0	23.05	24.20

CA, n41C Ant 2, DS17							
Combination 100MHz+60MHz (273RB+245RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset	
509202	528196	BPSK	144	129	108	0	18.61
509598	528582	BPSK	144	129	108	0	18.84
510012	528996	BPSK	144	129	108	0	18.70

CA, n41C Ant 6, DS17							
Combination 100MHz+60MHz (273RB+245RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset	
509202	528196	BPSK	144	129	108	0	15.62
509598	528582	BPSK	144	129	108	0	15.88
510012	528996	BPSK	144	129	108	0	15.69

CA, n41C Ant 1, DS17							
Combination 100MHz+60MHz (273RB+245RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset	
509202	528196	BPSK	144	129	108	0	17.70
509598	528582	BPSK	144	129	108	0	17.98
510012	528996	BPSK	144	129	108	0	17.79

CA, n41C Ant 0, DS17							
Combination 100MHz+60MHz (273RB+245RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset	
509202	528196	BPSK	144	129	108	0	21.25
509598	528582	BPSK	144	129	108	0	21.35
510012	528996	BPSK	144	129	108	0	21.27

CA, n77C Ant 7, DS17							
Combination 100MHz+30MHz (273RB+78RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset	
650000	654326	BPSK	162	108	0	0	17.18
655008	659334	BPSK	162	108	0	0	17.49
660006	664332	BPSK	162	108	0	0	17.28

CA, n77C Ant 8, DS17							
Combination 100MHz+30MHz (273RB+78RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset	
650000	654326	BPSK	162	108	0	0	16.23
655008	659334	BPSK	162	108	0	0	16.47
660006	664332	BPSK	162	108	0	0	16.16

CA, n77C Ant 5, DS17							
Combination 100MHz+30MHz (273RB+78RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset	
650000	654326	BPSK	162	108	0	0	18.40
655008	659334	BPSK	162	108	0	0	18.62
660006	664332	BPSK	162	108	0	0	18.45

CA, n77C Ant 4, DS17							
Combination 100MHz+30MHz (273RB+78RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset	
650000	654326	BPSK	162	108	0	0	18.78
655008	659334	BPSK	162	108	0	0	18.96
660006	664332	BPSK	162	108	0	0	18.77

CA, n77C HPUE, Ant 8, DS17							
Combination 100MHz+30MHz (273RB+78RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset	
650000	654326	BPSK	162	108	0	0	20.24
655008	659334	BPSK	162	108	0	0	20.44
660006	664332	BPSK	162	108	0	0	20.21

CA, n77C HPUE, Ant 4, DS17							
Combination 100MHz+30MHz (273RB+78RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset	
650000	654326	BPSK	162	108	0	0	19.25
655008	659334	BPSK	162	108	0	0	19.37
660006	664332	BPSK	162	108	0	0	19.20

Uplink CA Power

CA_n41C Ant 2_DS4								
Combination 100MHz+50MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528186	BPSK	144	129	108	0	22.88	24.00
509098	528582	BPSK	144	129	108	0	22.94	24.00
510012	528998	BPSK	144	129	108	0	22.75	24.00

CA_n41C Ant 6_DS4								
Combination 100MHz+50MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528186	BPSK	144	129	108	0	22.10	23.00
509098	528582	BPSK	144	129	108	0	22.24	23.00
510012	528998	BPSK	144	129	108	0	22.15	23.00

CA_n41C Ant 1_DS4								
Combination 100MHz+50MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528186	BPSK	144	129	108	0	22.73	24.00
509098	528582	BPSK	144	129	108	0	22.83	24.00
510012	528998	BPSK	144	129	108	0	22.77	24.00

CA_n41C Ant 0_DS4								
Combination 100MHz+50MHz (273RB+245RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
509202	528186	BPSK	144	129	108	0	22.13	23.00
509098	528582	BPSK	144	129	108	0	22.25	23.00
510012	528998	BPSK	144	129	108	0	22.17	23.00

CA_n71C Ant 7_DS4								
Combination 100MHz+30MHz (273RB+76RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	23.31	24.00
650008	659334	BPSK	162	108	0	0	23.35	24.00
660006	664332	BPSK	162	108	0	0	23.14	24.00

CA_n71C Ant 8_DS4								
Combination 100MHz+30MHz (273RB+76RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	19.95	21.20
650008	659334	BPSK	162	108	0	0	20.19	21.20
660006	664332	BPSK	162	108	0	0	20.05	21.20

CA_n71C Ant 5_DS4								
Combination 100MHz+30MHz (273RB+76RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	22.25	24.00
650008	659334	BPSK	162	108	0	0	22.27	24.00
660006	664332	BPSK	162	108	0	0	22.23	24.00

CA_n71C Ant 4_DS4								
Combination 100MHz+30MHz (273RB+76RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	21.52	23.00
650008	659334	BPSK	162	108	0	0	21.67	23.00
660006	664332	BPSK	162	108	0	0	21.45	23.00

CA_n71C MPUE_Ant 8_DS4								
Combination 100MHz+30MHz (273RB+76RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	25.36	27.00
650008	659334	BPSK	162	108	0	0	25.41	27.00
660006	664332	BPSK	162	108	0	0	25.21	27.00

CA_n71C MPUE_Ant 4_DS4								
Combination 100MHz+30MHz (273RB+76RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB Offset	RB Size	RB Offset		
650000	654326	BPSK	162	108	0	0	22.59	24.20
650008	659334	BPSK	162	108	0	0	23.17	24.20
660006	664332	BPSK	162	108	0	0	23.05	24.20