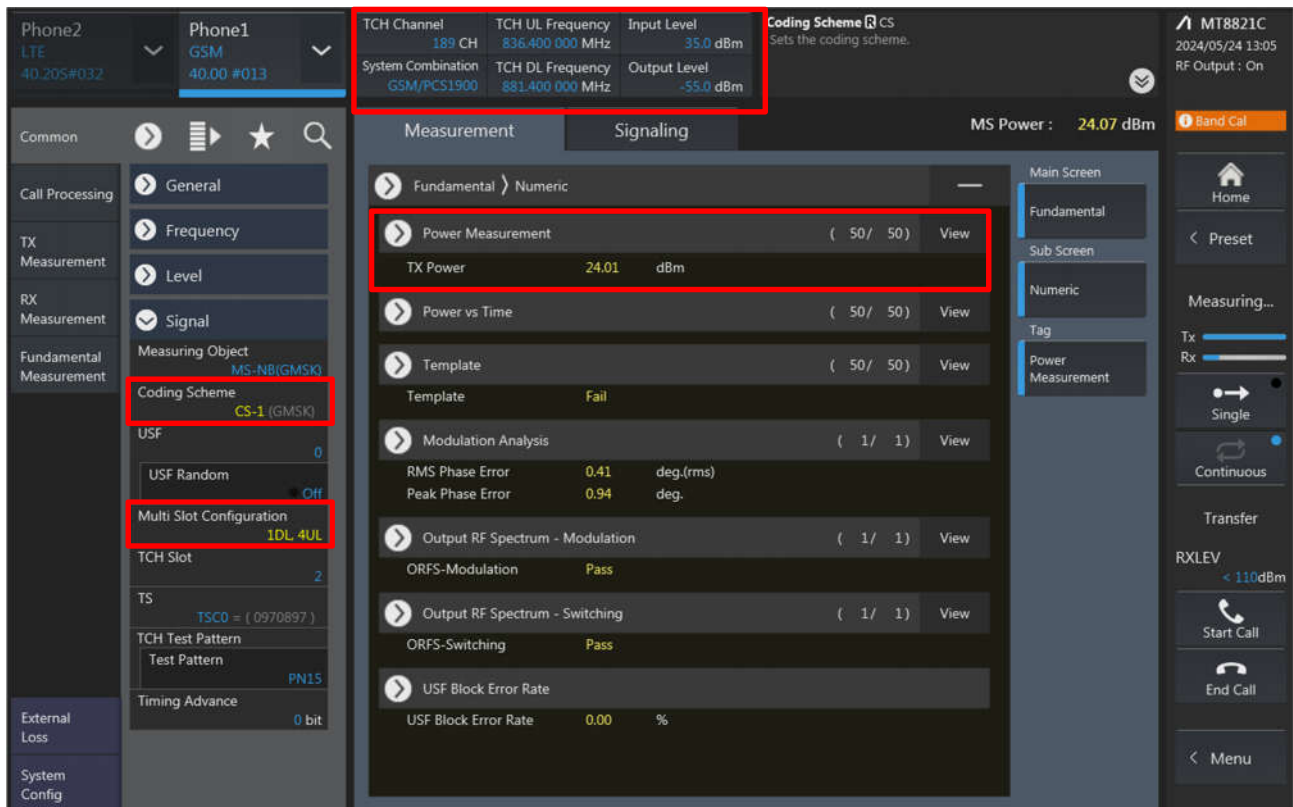


Power measurement connection diagram:

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.

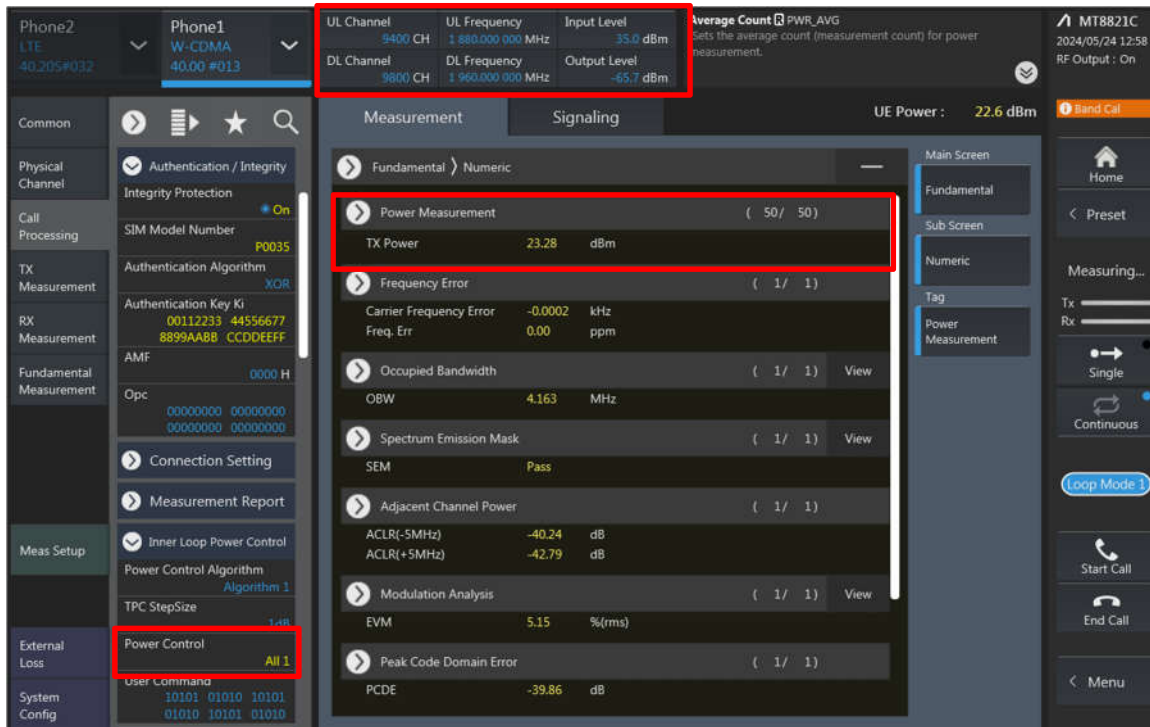
<GSM>



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

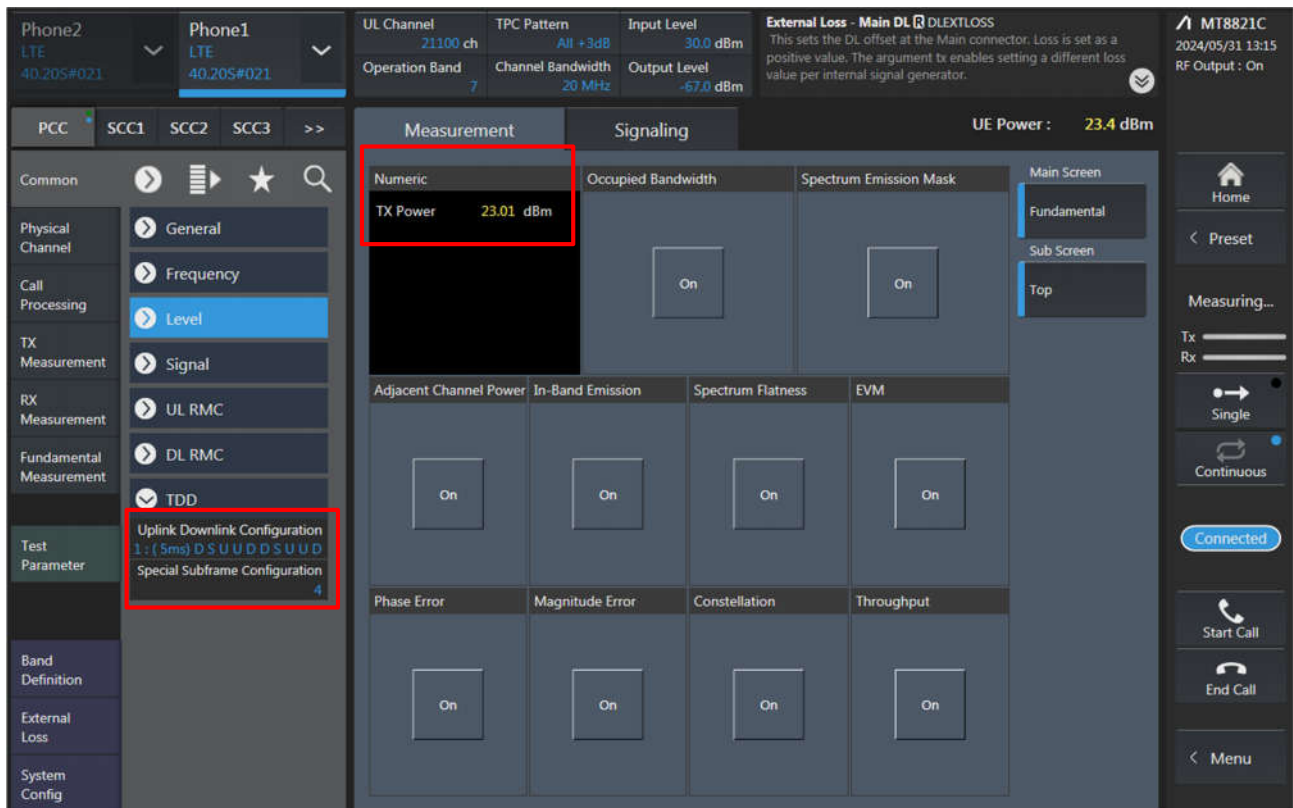
- Top Bar:** Shows Phone2 (LTE 40.205#032) and Phone1 (GSM 40.00 #013). The TCH Channel is 189 CH, TCH UL Frequency is 836.400 000 MHz, Input Level is 35.0 dBm, TCH DL Frequency is 881.400 000 MHz, and Output Level is -55.0 dBm. The Coding Scheme is CS.
- Left Sidebar:** Contains navigation options like Call Processing, TX Measurement, RX Measurement, Fundamental Measurement, and External Loss. The 'Fundamental Measurement' section is expanded, showing 'Coding Scheme' as CS-1 (GMSK) and 'Multi Slot Configuration' as 1DL, 4UL.
- Main Area:** Displays 'Measurement' and 'Signaling' tabs. The 'Measurement' tab is active, showing 'Power Measurement' with a value of 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 date/time 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>



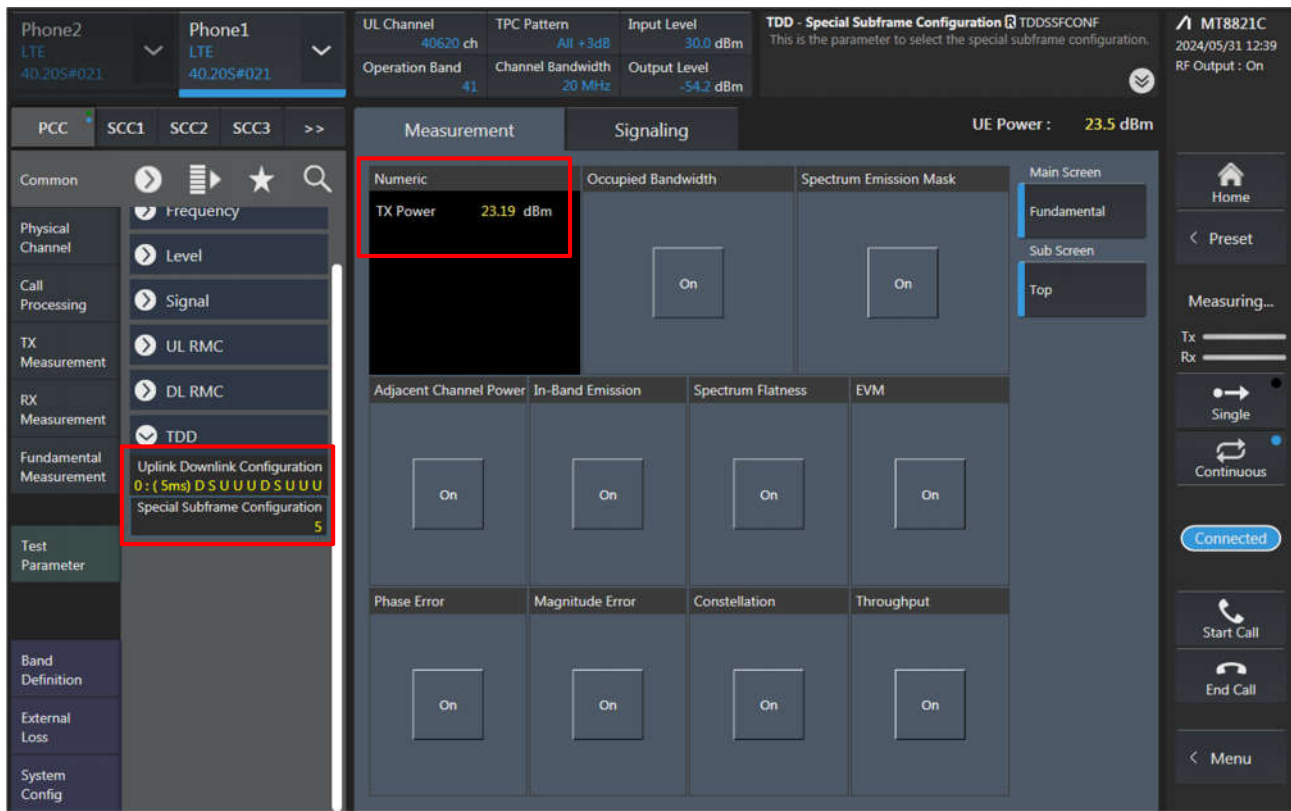
The screenshot shows the WCDMA measurement interface. The top bar displays 'Phone2 LTE 40.205#032' and 'Phone1 W-CDMA 40.00 #013'. The 'Measurement' tab is active, showing various parameters. A red box highlights the 'UL Channel' (9400 CH), 'UL Frequency' (1 880.000 000 MHz), 'Input Level' (35.0 dBm), 'DL Channel' (9800 CH), 'DL Frequency' (1 960.000 000 MHz), and 'Output Level' (-65.7 dBm). Another red box highlights the 'Power Measurement' section, showing 'TX Power' (23.28 dBm). The 'Fundamental' section shows 'Frequency Error' (-0.0002 kHz), 'Carrier Frequency Error' (0.00 ppm), 'Occupied Bandwidth' (4.163 MHz), 'Spectrum Emission Mask' (Pass), 'Adjacent Channel Power' (-40.24 dB, -42.79 dB), 'Modulation Analysis' (5.15 %/rms), and 'Peak Code Domain Error' (-39.86 dB). The 'UE Power' is 22.6 dBm. The 'Meas Setup' section shows 'Power Control' (All 1) and 'User Command' (10101 01010 10101 01010 10101 01010).

<LTE>



The screenshot shows the LTE measurement interface. The top bar displays 'Phone2 LTE 40.205#021' and 'Phone1 LTE 40.205#021'. The 'Measurement' tab is active, showing various parameters. A red box highlights the 'TX Power' (23.01 dBm). The 'Occupied Bandwidth' and 'Spectrum Emission Mask' sections show 'On' buttons. The 'Adjacent Channel Power', 'In-Band Emission', 'Spectrum Flatness', and 'EVM' sections show 'On' buttons. The 'Phase Error', 'Magnitude Error', 'Constellation', and 'Throughput' sections show 'On' buttons. The 'UE Power' is 23.4 dBm. 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 'External Loss - Main DL' section shows 'DLEXTLOSS' and a description: '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.'

<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 TDDSSFCO NF This is the parameter to select the special subframe configuration. MT8821C 2024/05/31 12:39 RF Output : On

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

Measurement Signaling UE Power : 23.5 dBm

Numeric TX Power 23.19 dBm

Occupied Bandwidth Spectrum Emission Mask

On On

Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

On On On On

Phase Error Magnitude Error Constellation Throughput

On On On On

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

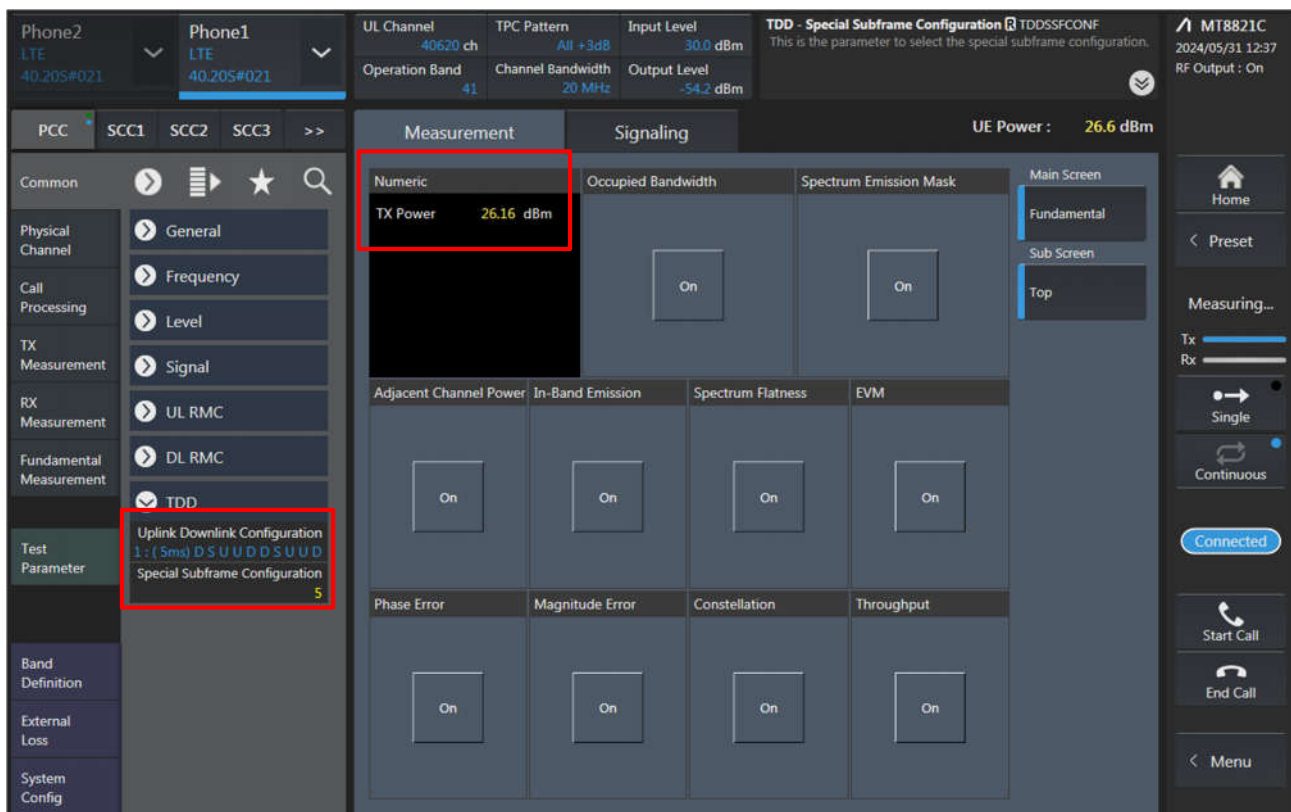
Frequency Level Signal UL RMC DL RMC TDD

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

Main Screen Fundamental Sub Screen Top

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

<LTE TDD Power class 2>



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

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

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

Measurement Signaling UE Power : 26.6 dBm

Numeric TX Power 26.16 dBm

Occupied Bandwidth Spectrum Emission Mask

On On

Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

On On On On

Phase Error Magnitude Error Constellation Throughput

On On On On

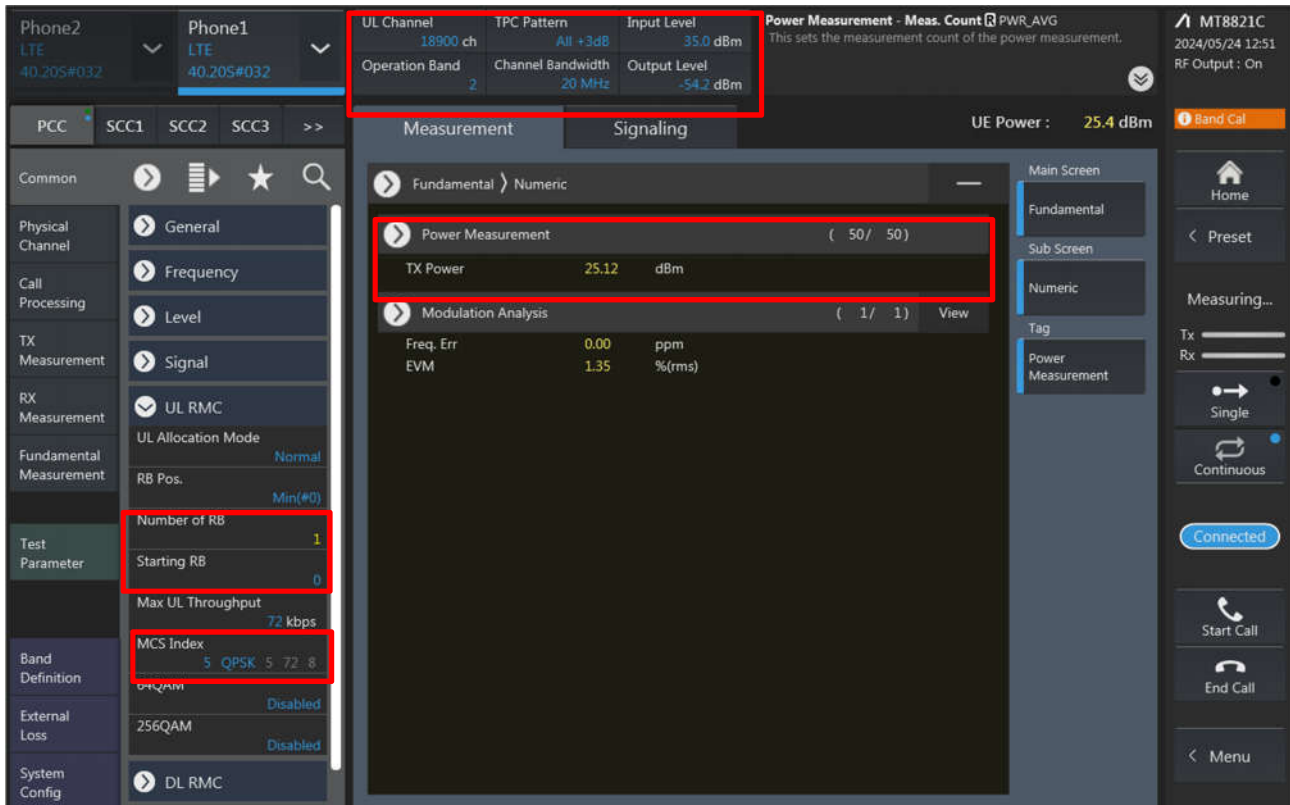
Common Physical Channel Call Processing TX Measurement RX Measurement Fundamental Measurement Test Parameter Band Definition External Loss System Config

General Frequency Level Signal UL RMC DL RMC TDD

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

Main Screen Fundamental Sub Screen Top

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



Phone2 LTE 40.20S#032

Phone1 LTE 40.20S#032

UL Channel 18900 ch

TPC Pattern All +3dB

Input Level 35.0 dBm

Operation Band 2

Channel Bandwidth 20 MHz

Output Level -54.2 dBm

Power Measurement - Meas. Count PWR_AVG

This sets the measurement count of the power measurement.

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

UE Power : 25.4 dBm

Band Cal

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

Band Definition 256QAM Disabled

External Loss Disabled

System Config DL RMC

Main Screen Fundamental

Sub Screen Numeric

Tag Power Measurement

Home

Preset

Measuring...

Tx

Rx

Single

Continuous

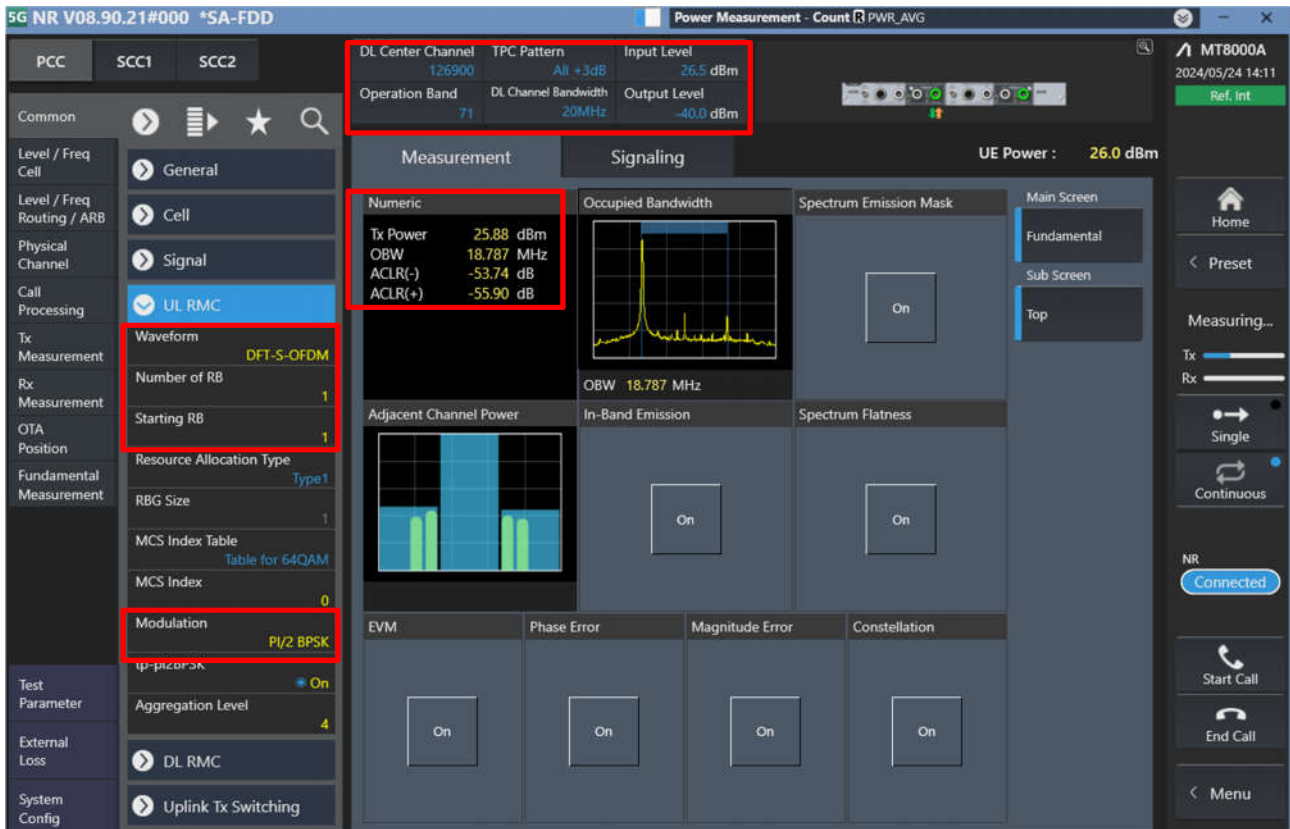
Connected

Start Call

End Call

Menu

<5G NR FR1>



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

DL Center Channel 126900

TPC Pattern All +3dB

Input Level 26.5 dBm

Operation Band 71

DL Channel Bandwidth 20MHz

Output Level -40.0 dBm

Power Measurement - Count PWR_AVG

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

UE Power : 26.0 dBm

Measurement Numeric

Tx Power 25.88 dBm

OBW 18.787 MHz

ACL(-) -53.74 dB

ACL(+) -55.90 dB

Occupied Bandwidth OBW 18.787 MHz

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

Test Parameter

Waveform DFT-S-OFDM

Number of RB 1

Starting RB 1

Resource Allocation Type Type1

RBG Size 1

MCS Index Table Table for 64QAM

MCS Index 0

Modulation PI/2 BPSK

Aggregation Level 4

DL RMC

Uplink Tx Switching

Main Screen Fundamental

Sub Screen Top

Home

Preset

Measuring...

Tx

Rx

Single

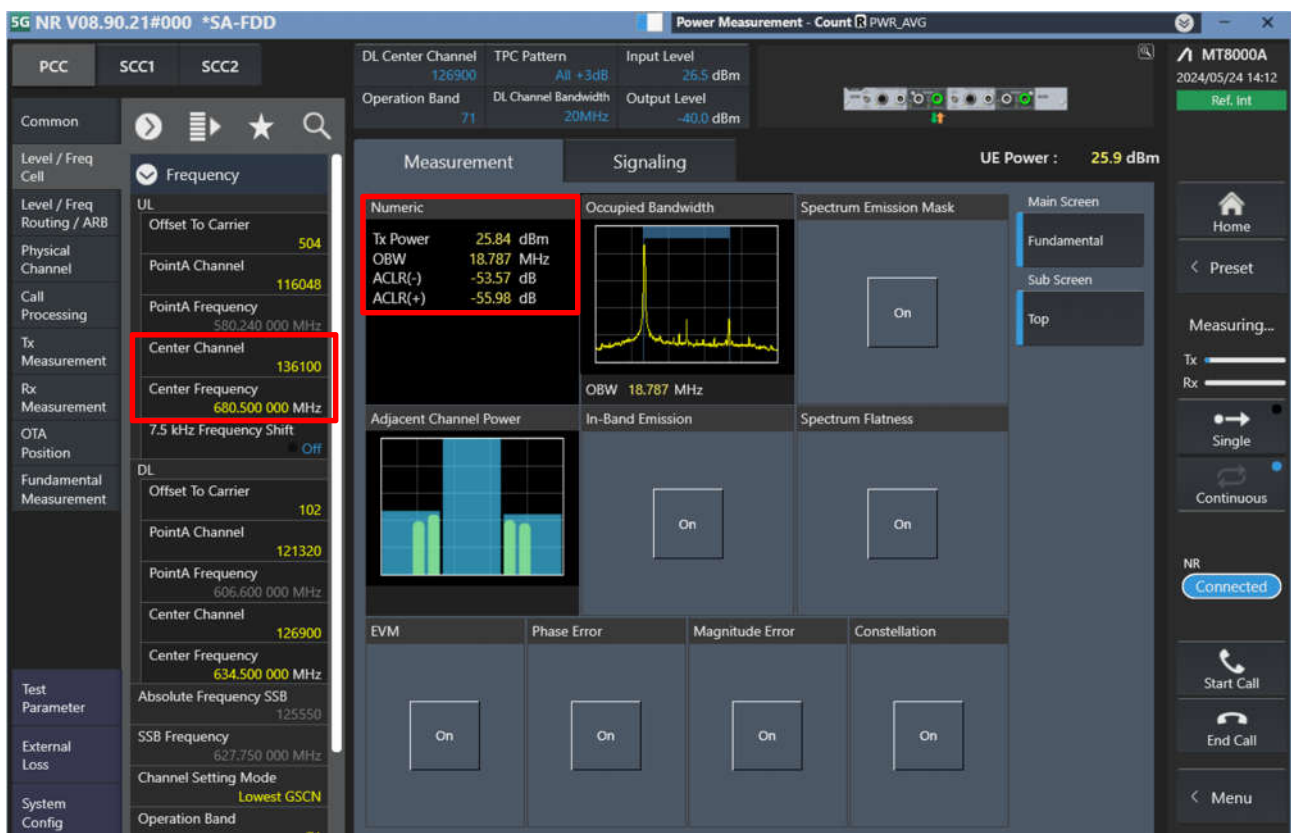
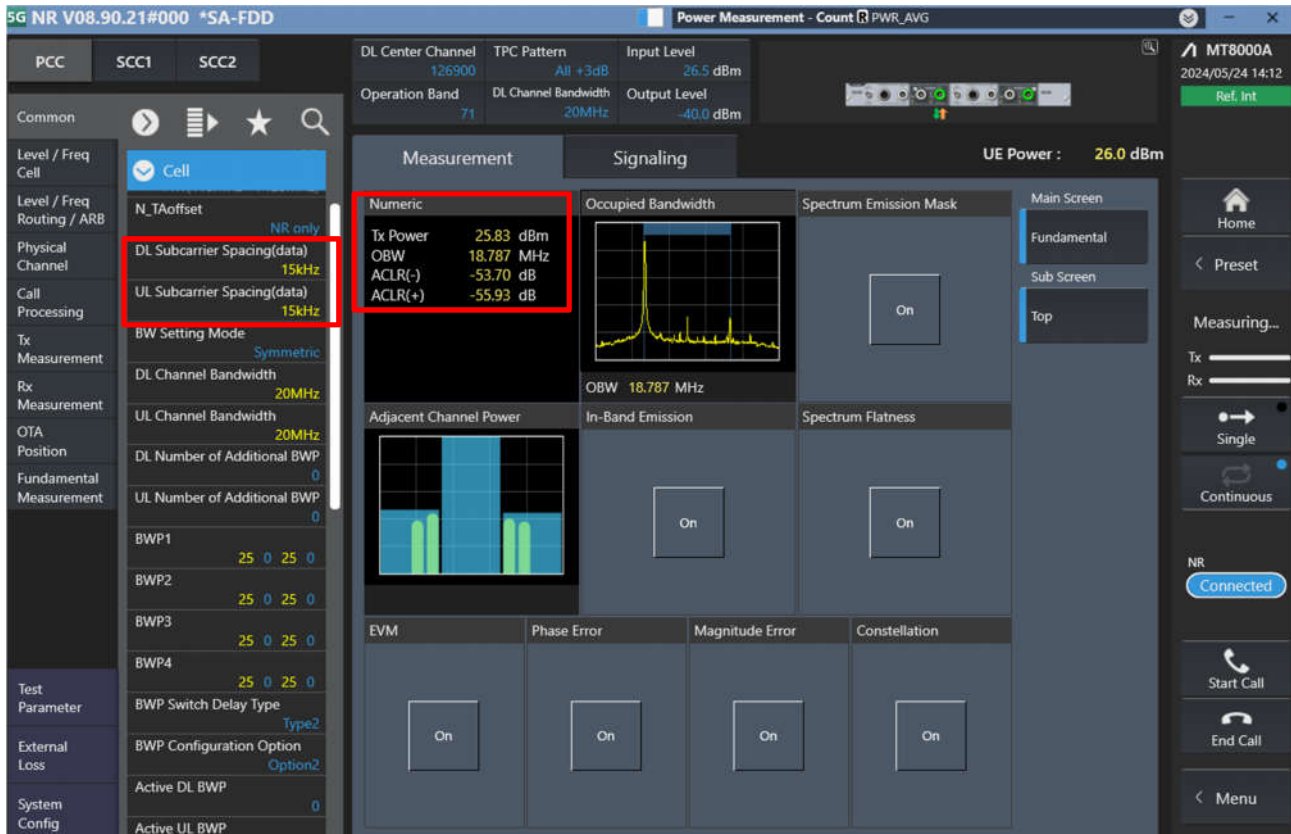
Continuous

Connected

Start Call

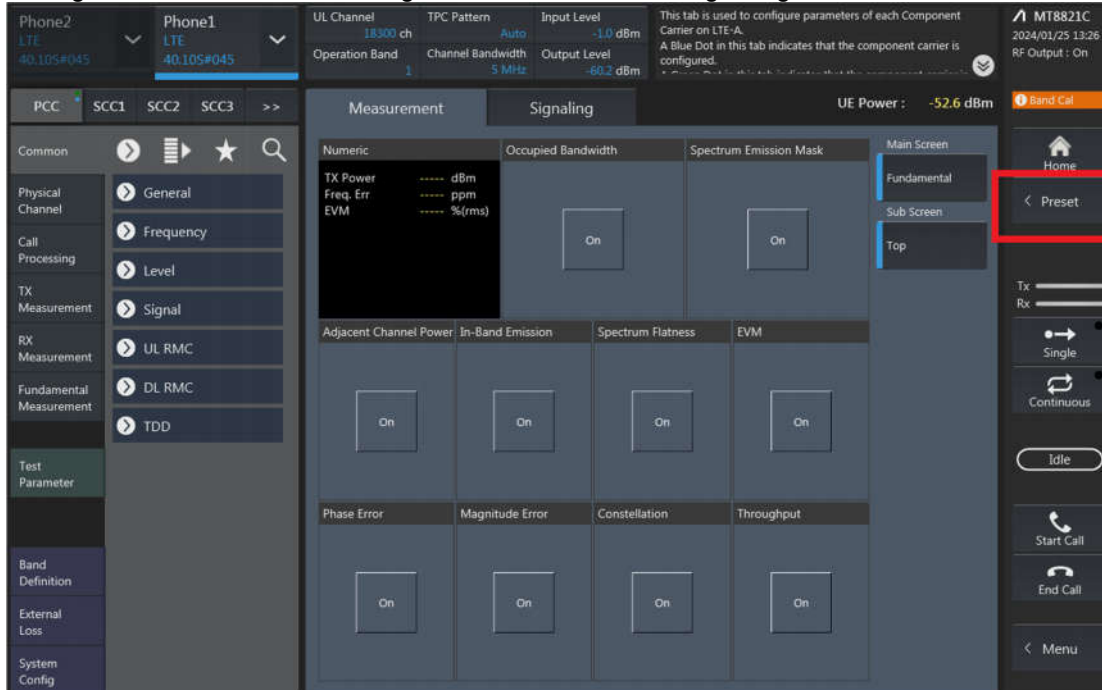
End Call

Menu



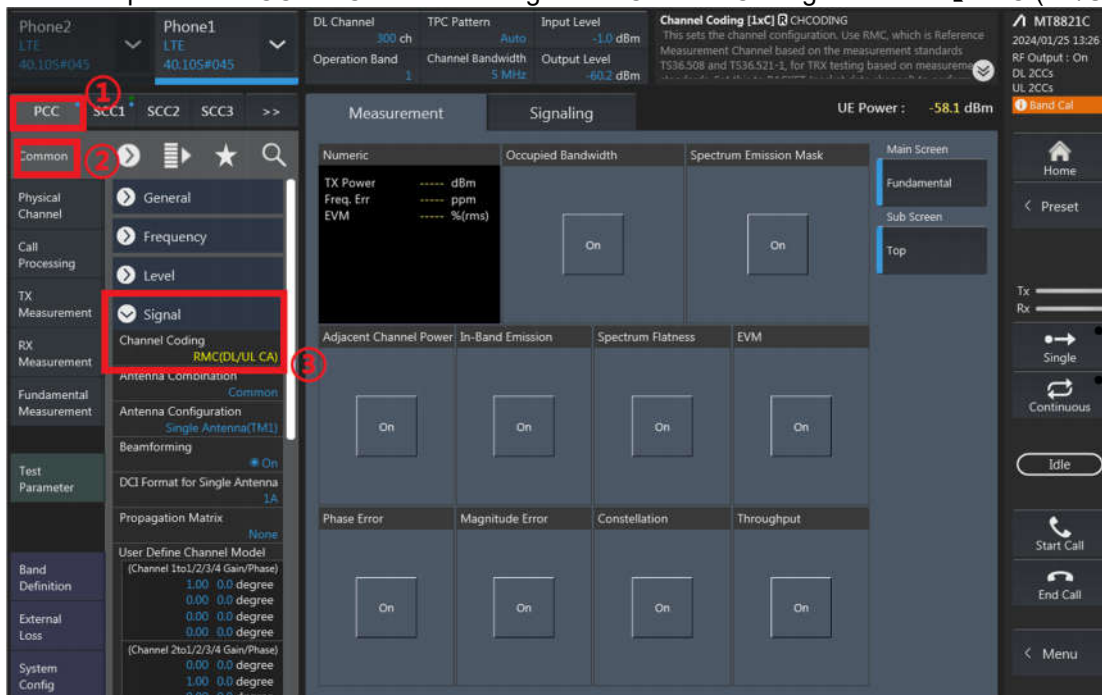
LTE Uplink and Downlink Carrier Aggregation configurations:

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

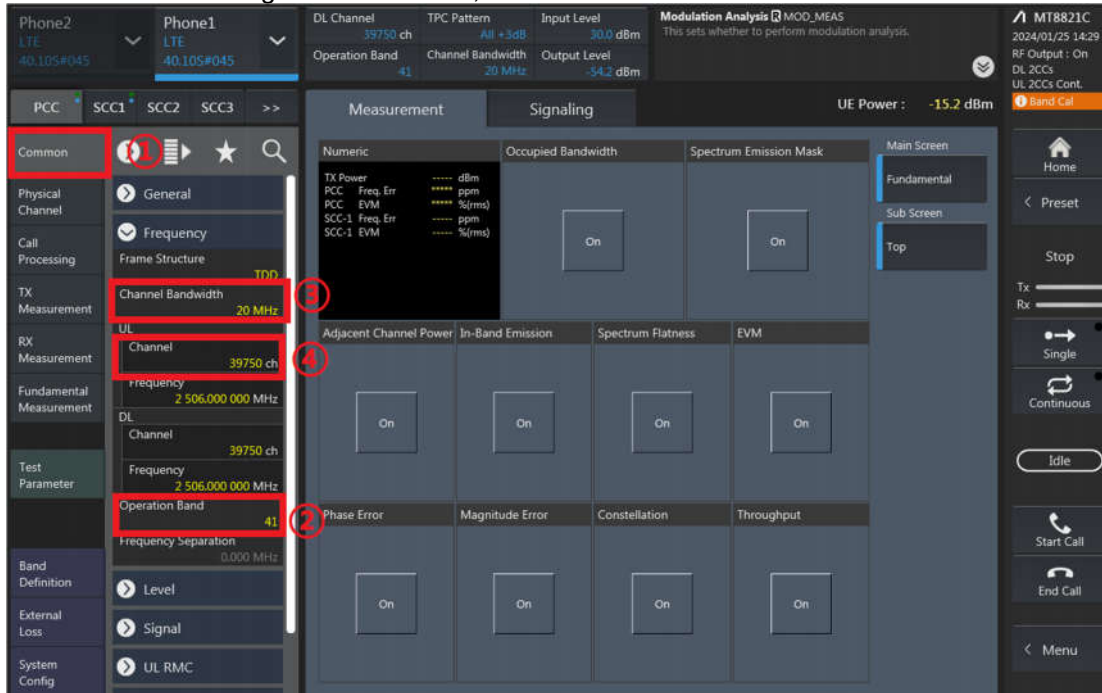


2. If Select "RMC (DL/UL CA)" for Uplink Carrier Aggregation;
If Select "RMC (DL CA)" for Downlink Carrier Aggregation.
For example, Uplink Carrier Aggregation:

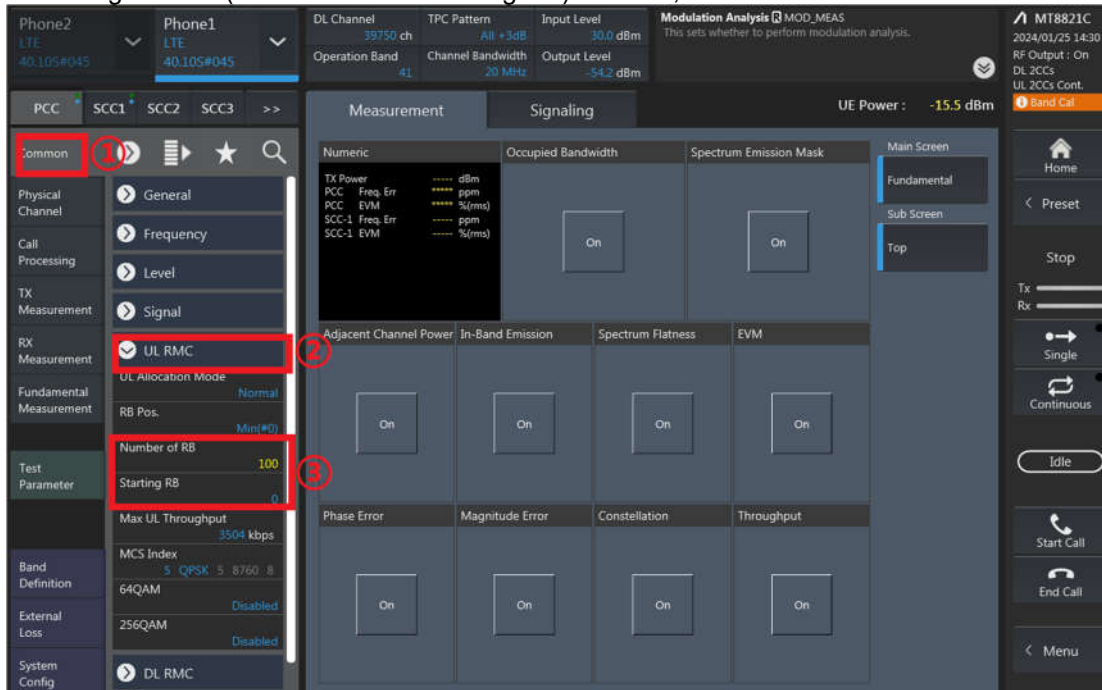
Detailed operation: PCC → Common → Signal → Channel Coding → Select 【RMC (DL/UL CA)】



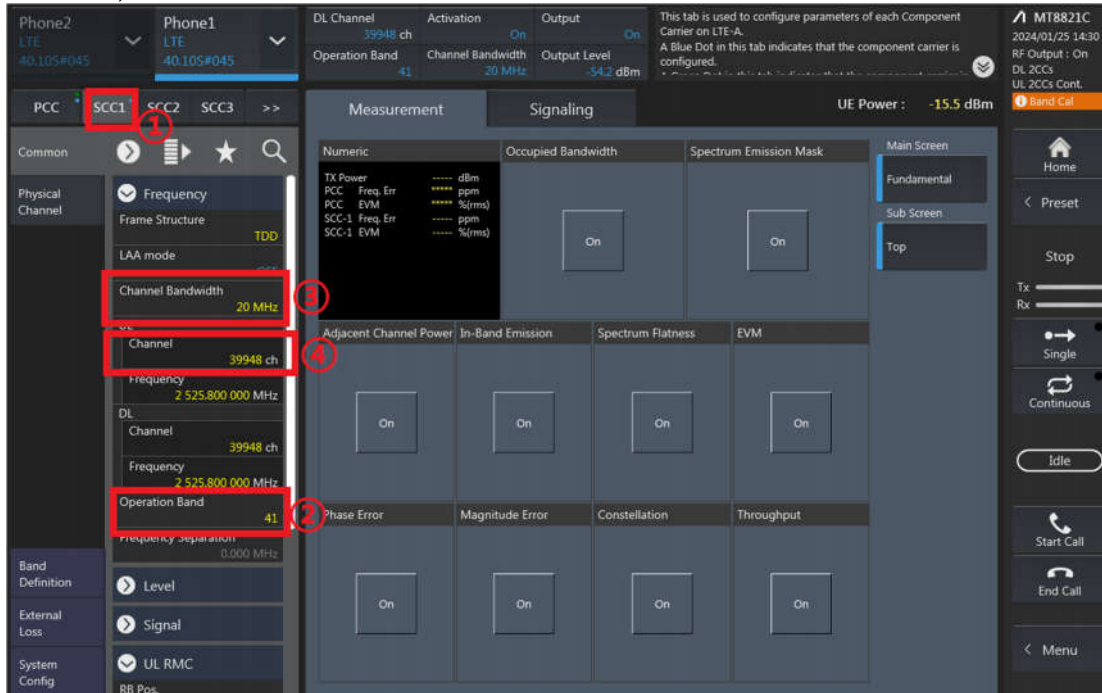
3. PCC parameter Settings: on the screen, and then select the PCC tab and Set operating band, BW, channel and RB configurations for PCC;



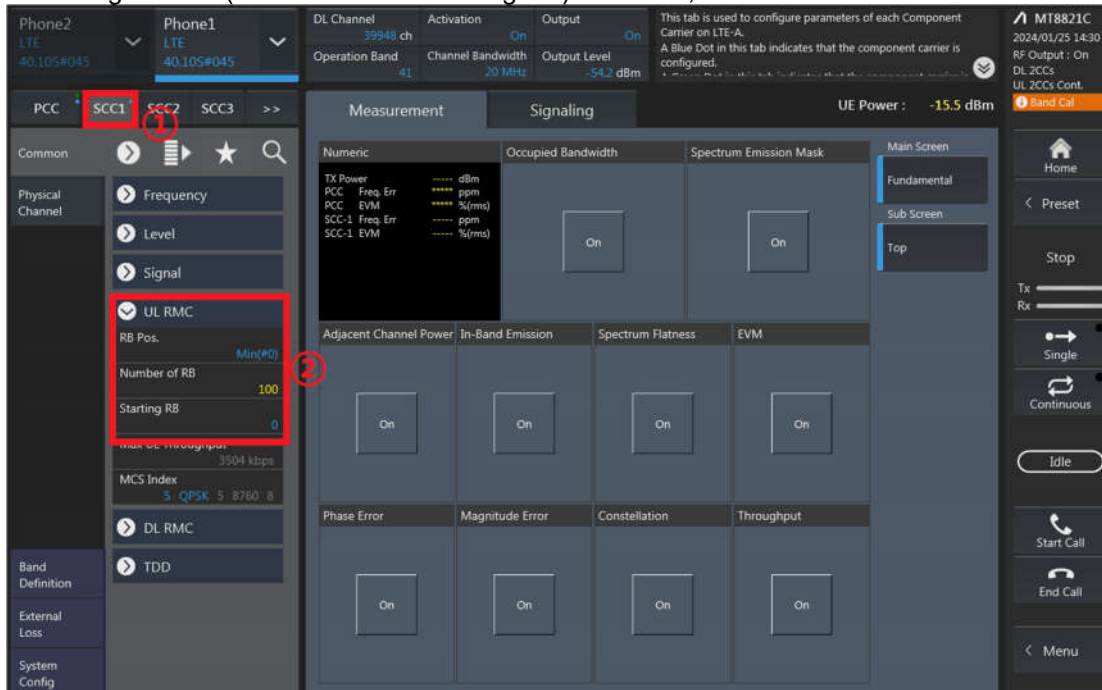
RB configurations (Number of RB / Starting RB) for PCC;



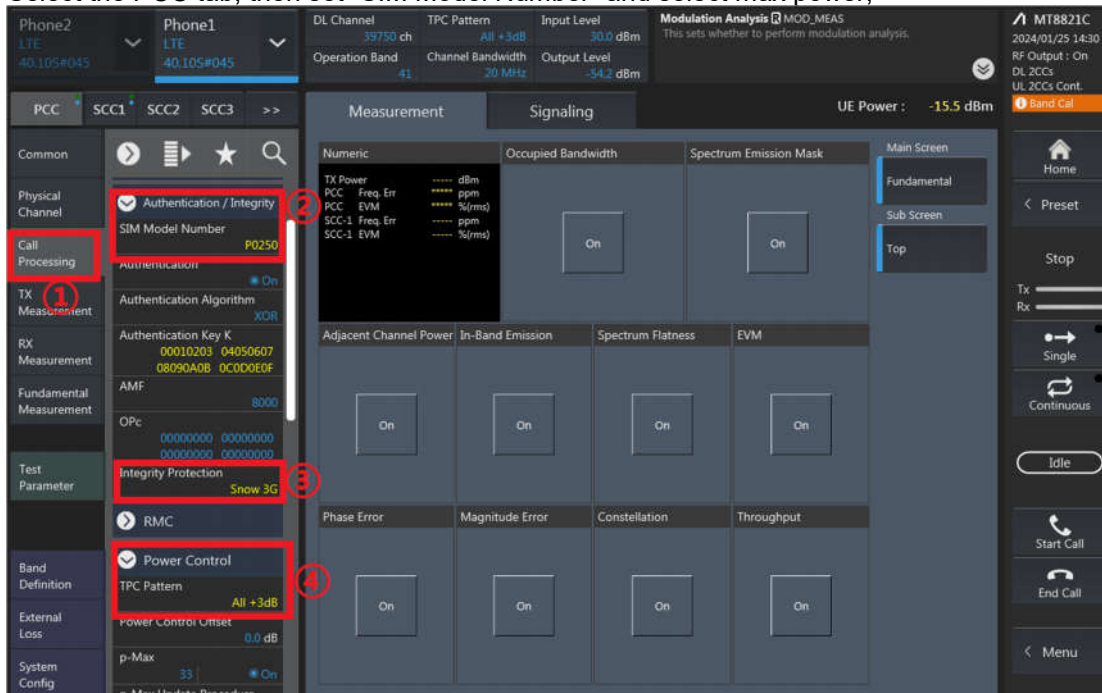
4. SCC parameter Settings: Select the SCC1 tab, Set operating band, BW, channel, and RB configurations for SCC1;



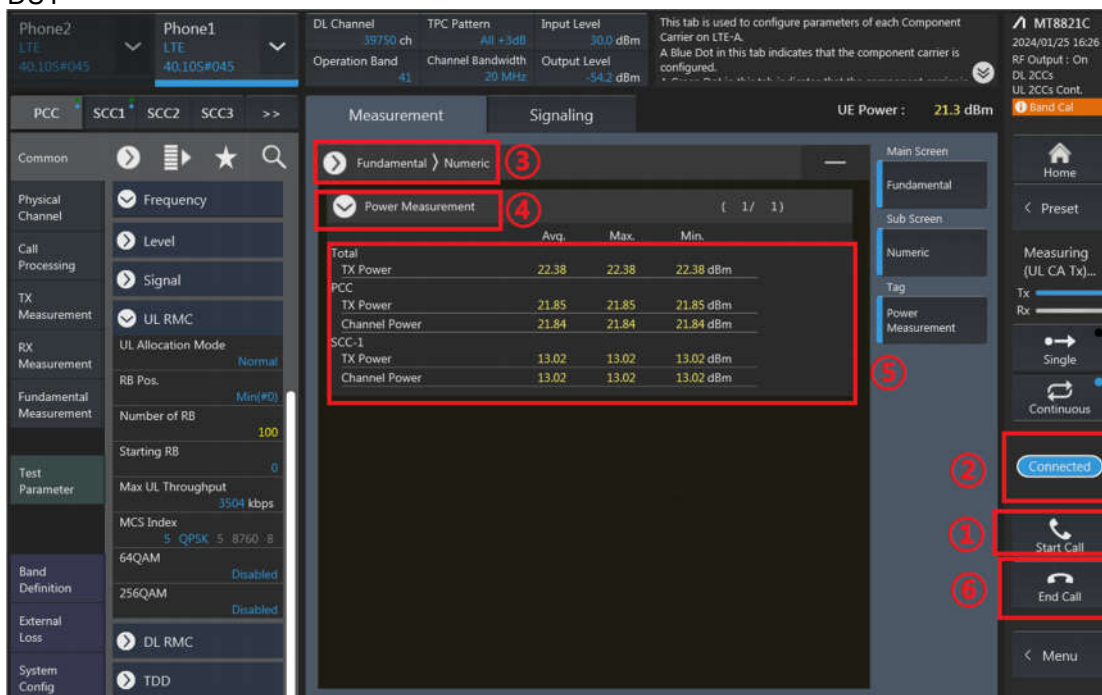
RB configurations (Number of RB / Starting RB) for SCC1;



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



6. Click the “Connect” button at the Right of the screen, if necessary, turn the Airplane mode on/off in the DUT



7. The inter-band ULCA test method is similar to intra-band ULCA, and DLCA test method is similar to intra-band ULCA too.

UL CA_Full Power

CA_7C Ant 0								
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	21.13	22.50
21100	21298	QPSK	1	99	1	0	21.15	22.50
21350	21152	QPSK	1	0	1	99	21.11	22.50

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	21.71	23.00
21100	21298	QPSK	1	99	1	0	21.80	23.00
21350	21152	QPSK	1	0	1	99	21.54	23.00

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	22.91	24.00
21100	21298	QPSK	1	99	1	0	23.06	24.00
21350	21152	QPSK	1	0	1	99	22.70	24.00

CA_7C Ant 9								
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	23.06	24.00
21100	21298	QPSK	1	99	1	0	23.15	24.00
21350	21152	QPSK	1	0	1	99	22.95	24.00

CA_38C Ant 0								
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	21.23	22.50
37901	38099	QPSK	1	99	1	0	21.28	22.50
38150	37952	QPSK	1	0	1	99	21.09	22.50

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.34	23.00
37901	38099	QPSK	1	99	1	0	21.52	23.00
38150	37952	QPSK	1	0	1	99	21.39	23.00

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	22.76	24.00
37901	38099	QPSK	1	99	1	0	22.84	24.00
38150	37952	QPSK	1	0	1	99	22.78	24.00

CA_38C Ant 9								
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	23.03	24.00
37901	38099	QPSK	1	99	1	0	23.05	24.00
38150	37952	QPSK	1	0	1	99	23.01	24.00

CA_41C Ant 0								
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	21.42	22.50
40185	40383	QPSK	1	99	1	0	21.23	22.50
40620	40818	QPSK	1	99	1	0	21.56	22.50
41055	41253	QPSK	1	99	1	0	21.20	22.50
41490	41292	QPSK	1	0	1	99	21.02	22.50

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.85	23.00
40185	40383	QPSK	1	99	1	0	21.71	23.00
40620	40818	QPSK	1	99	1	0	21.91	23.00
41055	41253	QPSK	1	99	1	0	21.56	23.00
41490	41292	QPSK	1	0	1	99	21.27	23.00

CA_41C 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		
39750	39948	QPSK	1	99	1	0	22.77	24.00
40185	40383	QPSK	1	99	1	0	22.75	24.00
40620	40818	QPSK	1	99	1	0	23.03	24.00
41055	41253	QPSK	1	99	1	0	22.74	24.00
41490	41292	QPSK	1	0	1	99	22.72	24.00

CA_41C Ant 9								
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	23.21	24.00
40185	40383	QPSK	1	99	1	0	22.95	24.00
40620	40818	QPSK	1	99	1	0	23.25	24.00
41055	41253	QPSK	1	99	1	0	22.89	24.00
41490	41292	QPSK	1	0	1	99	22.92	24.00

CA_42C Ant 7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	22.64	24.00
42590	42788	QPSK	1	99	1	0	22.7	24.00
42990	42792	QPSK	1	0	1	99	22.67	24.00

CA_42C 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		
42190	42388	QPSK	1	99	1	0	19.98	21.00
42590	42788	QPSK	1	99	1	0	20.05	21.00
42990	42792	QPSK	1	0	1	99	20.01	21.00

CA_42C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	21.76	23.00
42590	42788	QPSK	1	99	1	0	21.83	23.00
42990	42792	QPSK	1	0	1	99	21.82	23.00

CA_42C Ant 10								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	20.95	22.50
42590	42788	QPSK	1	99	1	0	21.23	22.50
42990	42792	QPSK	1	0	1	99	21.21	22.50

UL CA_EC12

CA_7C Ant 0								
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	21.13	22.50
21100	21298	QPSK	1	99	1	0	21.15	22.50
21350	21152	QPSK	1	0	1	99	21.11	22.50

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	16.44	17.40
21100	21298	QPSK	1	99	1	0	16.63	17.40
21350	21152	QPSK	1	0	1	99	16.43	17.40

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	22.91	24.00
21100	21298	QPSK	1	99	1	0	23.06	24.00
21350	21152	QPSK	1	0	1	99	22.70	24.00

CA_7C Ant 9								
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	20.56	22.10
21100	21298	QPSK	1	99	1	0	20.63	22.10
21350	21152	QPSK	1	0	1	99	20.58	22.10

CA_38C Ant 0								
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	21.23	22.50
37901	38099	QPSK	1	99	1	0	21.28	22.50
38150	37952	QPSK	1	0	1	99	21.09	22.50

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.15	19.40
37901	38099	QPSK	1	99	1	0	18.17	19.40
38150	37952	QPSK	1	0	1	99	18.09	19.40

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	22.76	24.00
37901	38099	QPSK	1	99	1	0	22.84	24.00
38150	37952	QPSK	1	0	1	99	22.78	24.00

CA_38C Ant 9								
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	23.03	24.00
37901	38099	QPSK	1	99	1	0	23.05	24.00
38150	37952	QPSK	1	0	1	99	23.01	24.00

CA_41C Ant 0								
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	21.42	22.50
40185	40383	QPSK	1	99	1	0	21.23	22.50
40620	40818	QPSK	1	99	1	0	21.56	22.50
41055	41253	QPSK	1	99	1	0	21.20	22.50
41490	41292	QPSK	1	0	1	99	21.02	22.50

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.11	19.40
40185	40383	QPSK	1	99	1	0	18.08	19.40
40620	40818	QPSK	1	99	1	0	18.13	19.40
41055	41253	QPSK	1	99	1	0	18.03	19.40
41490	41292	QPSK	1	0	1	99	18.08	19.40

CA_41C 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		
39750	39948	QPSK	1	99	1	0	22.77	24.00
40185	40383	QPSK	1	99	1	0	22.75	24.00
40620	40818	QPSK	1	99	1	0	23.03	24.00
41055	41253	QPSK	1	99	1	0	22.74	24.00
41490	41292	QPSK	1	0	1	99	22.72	24.00

CA_41C Ant 9								
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	23.21	24.00
40185	40383	QPSK	1	99	1	0	22.95	24.00
40620	40818	QPSK	1	99	1	0	23.25	24.00
41055	41253	QPSK	1	99	1	0	22.89	24.00
41490	41292	QPSK	1	0	1	99	22.92	24.00

CA_42C Ant 7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	17.43	18.60
42590	42788	QPSK	1	99	1	0	17.49	18.60
42990	42792	QPSK	1	0	1	99	17.41	18.60

CA_42C 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		
42190	42388	QPSK	1	99	1	0	17.00	18.30
42590	42788	QPSK	1	99	1	0	17.1	18.30
42990	42792	QPSK	1	0	1	99	17.04	18.30

CA_42C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	21.76	23.00
42590	42788	QPSK	1	99	1	0	21.83	23.00
42990	42792	QPSK	1	0	1	99	21.82	23.00

CA_42C Ant 10								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	20.95	22.50
42590	42788	QPSK	1	99	1	0	21.23	22.50
42990	42792	QPSK	1	0	1	99	21.21	22.50

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CA_7C Ant 0								
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	17.67	19.10
21100	21298	QPSK	1	99	1	0	17.93	19.10
21350	21152	QPSK	1	0	1	99	17.68	19.10

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.48	19.00
21100	21298	QPSK	1	99	1	0	17.50	19.00
21350	21152	QPSK	1	0	1	99	17.47	19.00

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	22.91	24.00
21100	21298	QPSK	1	99	1	0	23.06	24.00
21350	21152	QPSK	1	0	1	99	22.70	24.00

CA_7C Ant 9								
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	19.11	20.20
21100	21298	QPSK	1	99	1	0	19.15	20.20
21350	21152	QPSK	1	0	1	99	19.13	20.20

CA_38C Ant 0								
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	20.46	21.60
37901	38099	QPSK	1	99	1	0	20.47	21.60
38150	37952	QPSK	1	0	1	99	20.23	21.60

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	19.64	20.80
37901	38099	QPSK	1	99	1	0	19.68	20.80
38150	37952	QPSK	1	0	1	99	19.62	20.80

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	22.76	24.00
37901	38099	QPSK	1	99	1	0	22.84	24.00
38150	37952	QPSK	1	0	1	99	22.78	24.00

CA_38C Ant 9								
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	19.98	21.30
37901	38099	QPSK	1	99	1	0	20.02	21.30
38150	37952	QPSK	1	0	1	99	19.96	21.30

CA_41C Ant 0								
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	20.26	21.60
40185	40383	QPSK	1	99	1	0	20.32	21.60
40620	40818	QPSK	1	99	1	0	20.38	21.60
41055	41253	QPSK	1	99	1	0	20.21	21.60
41490	41292	QPSK	1	0	1	99	20.29	21.60

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	19.57	20.80
40185	40383	QPSK	1	99	1	0	19.48	20.80
40620	40818	QPSK	1	99	1	0	19.71	20.80
41055	41253	QPSK	1	99	1	0	19.70	20.80
41490	41292	QPSK	1	0	1	99	19.62	20.80

CA_41C 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		
39750	39948	QPSK	1	99	1	0	22.77	24.00
40185	40383	QPSK	1	99	1	0	22.75	24.00
40620	40818	QPSK	1	99	1	0	23.03	24.00
41055	41253	QPSK	1	99	1	0	22.74	24.00
41490	41292	QPSK	1	0	1	99	22.72	24.00

CA_41C Ant 9								
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	20.22	21.30
40185	40383	QPSK	1	99	1	0	20.04	21.30
40620	40818	QPSK	1	99	1	0	20.23	21.30
41055	41253	QPSK	1	99	1	0	20.14	21.30
41490	41292	QPSK	1	0	1	99	20.06	21.30

CA_42C Ant 7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	18.97	20.60
42590	42788	QPSK	1	99	1	0	18.99	20.60
42990	42792	QPSK	1	0	1	99	18.91	20.60

CA_42C 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		
42190	42388	QPSK	1	99	1	0	18.95	20.40
42590	42788	QPSK	1	99	1	0	19.03	20.40
42990	42792	QPSK	1	0	1	99	18.97	20.40

CA_42C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	21.76	23.00
42590	42788	QPSK	1	99	1	0	21.83	23.00
42990	42792	QPSK	1	0	1	99	21.82	23.00

CA_42C Ant 10								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	16.79	17.90
42590	42788	QPSK	1	99	1	0	16.87	17.90
42990	42792	QPSK	1	0	1	99	16.81	17.90

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CA_7C Ant 0								
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	17.91	19.10
21100	21298	QPSK	1	99	1	0	18.05	19.10
21350	21152	QPSK	1	0	1	99	17.83	19.10

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	14.36	15.40
21100	21298	QPSK	1	99	1	0	14.42	15.40
21350	21152	QPSK	1	0	1	99	14.41	15.40

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	20.99	22.00
21100	21298	QPSK	1	99	1	0	21.22	22.00
21350	21152	QPSK	1	0	1	99	21.01	22.00

CA_7C Ant 9								
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	12.44	13.70
21100	21298	QPSK	1	99	1	0	12.54	13.70
21350	21152	QPSK	1	0	1	99	12.38	13.70

CA_38C Ant 0								
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	20.28	21.70
37901	38099	QPSK	1	99	1	0	20.34	21.70
38150	37952	QPSK	1	0	1	99	20.09	21.70

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	16.58	17.90
37901	38099	QPSK	1	99	1	0	16.64	17.90
38150	37952	QPSK	1	0	1	99	16.63	17.90

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	22.8	23.50
37901	38099	QPSK	1	99	1	0	22.9	23.50
38150	37952	QPSK	1	0	1	99	22.71	23.50

CA_38C Ant 9								
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	13.83	15.30
37901	38099	QPSK	1	99	1	0	14.13	15.30
38150	37952	QPSK	1	0	1	99	13.91	15.30

CA_41C Ant 0								
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	20.46	21.70
40185	40383	QPSK	1	99	1	0	20.37	21.70
40620	40818	QPSK	1	99	1	0	20.49	21.70
41055	41253	QPSK	1	99	1	0	20.42	21.70
41490	41292	QPSK	1	0	1	99	20.46	21.70

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	16.96	17.90
40185	40383	QPSK	1	99	1	0	16.79	17.90
40620	40818	QPSK	1	99	1	0	17.00	17.90
41055	41253	QPSK	1	99	1	0	16.58	17.90
41490	41292	QPSK	1	0	1	99	16.57	17.90

CA_41C 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		
39750	39948	QPSK	1	99	1	0	22.77	23.50
40185	40383	QPSK	1	99	1	0	22.75	23.50
40620	40818	QPSK	1	99	1	0	23.03	23.50
41055	41253	QPSK	1	99	1	0	22.74	23.50
41490	41292	QPSK	1	0	1	99	22.72	23.50

CA_41C Ant 9								
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	14.02	15.30
40185	40383	QPSK	1	99	1	0	14.01	15.30
40620	40818	QPSK	1	99	1	0	14.09	15.30
41055	41253	QPSK	1	99	1	0	14.07	15.30
41490	41292	QPSK	1	0	1	99	13.91	15.30

CA_42C Ant 7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	15.78	17.20
42590	42788	QPSK	1	99	1	0	16.07	17.20
42990	42792	QPSK	1	0	1	99	15.9	17.20

CA_42C 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		
42190	42388	QPSK	1	99	1	0	17.52	18.90
42590	42788	QPSK	1	99	1	0	17.55	18.90
42990	42792	QPSK	1	0	1	99	17.45	18.90

CA_42C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	21.76	23.00
42590	42788	QPSK	1	99	1	0	21.83	23.00
42990	42792	QPSK	1	0	1	99	21.82	23.00

CA_42C Ant 10								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	13.55	14.70
42590	42788	QPSK	1	99	1	0	13.77	14.70
42990	42792	QPSK	1	0	1	99	13.71	14.70

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CA_7C Ant 0								
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	19.82	20.80
21100	21298	QPSK	1	99	1	0	19.93	20.80
21350	21152	QPSK	1	0	1	99	19.90	20.80

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	21.71	22.50
21100	21298	QPSK	1	99	1	0	21.80	22.50
21350	21152	QPSK	1	0	1	99	21.54	22.50

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	21.14	22.00
21100	21298	QPSK	1	99	1	0	21.20	22.00
21350	21152	QPSK	1	0	1	99	21.00	22.00

CA_7C Ant 9								
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	17.93	19.20
21100	21298	QPSK	1	99	1	0	17.98	19.20
21350	21152	QPSK	1	0	1	99	17.71	19.20

CA_38C Ant 0								
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	21.23	22.50
37901	38099	QPSK	1	99	1	0	21.28	22.50
38150	37952	QPSK	1	0	1	99	21.09	22.50

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.34	23.00
37901	38099	QPSK	1	99	1	0	21.52	23.00
38150	37952	QPSK	1	0	1	99	21.39	23.00

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	22.76	23.50
37901	38099	QPSK	1	99	1	0	22.84	23.50
38150	37952	QPSK	1	0	1	99	22.78	23.50

CA_38C Ant 9								
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	21.80
37901	38099	QPSK	1	99	1	0	20.45	21.80
38150	37952	QPSK	1	0	1	99	20.32	21.80

CA_41C Ant 0								
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	21.42	22.50
40185	40383	QPSK	1	99	1	0	21.23	22.50
40620	40818	QPSK	1	99	1	0	21.56	22.50
41055	41253	QPSK	1	99	1	0	21.20	22.50
41490	41292	QPSK	1	0	1	99	21.02	22.50

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.85	23.00
40185	40383	QPSK	1	99	1	0	21.71	23.00
40620	40818	QPSK	1	99	1	0	21.91	23.00
41055	41253	QPSK	1	99	1	0	21.56	23.00
41490	41292	QPSK	1	0	1	99	21.27	23.00

CA_41C 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		
39750	39948	QPSK	1	99	1	0	22.77	23.50
40185	40383	QPSK	1	99	1	0	22.75	23.50
40620	40818	QPSK	1	99	1	0	23.03	23.50
41055	41253	QPSK	1	99	1	0	22.74	23.50
41490	41292	QPSK	1	0	1	99	22.72	23.50

CA_41C Ant 9								
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	20.60	21.80
40185	40383	QPSK	1	99	1	0	20.33	21.80
40620	40818	QPSK	1	99	1	0	20.68	21.80
41055	41253	QPSK	1	99	1	0	20.46	21.80
41490	41292	QPSK	1	0	1	99	20.46	21.80

CA_42C Ant 7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	21.24	22.70
42590	42788	QPSK	1	99	1	0	21.53	22.70
42990	42792	QPSK	1	0	1	99	21.51	22.70

CA_42C 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		
42190	42388	QPSK	1	99	1	0	19.98	21.00
42590	42788	QPSK	1	99	1	0	20.05	21.00
42990	42792	QPSK	1	0	1	99	20.01	21.00

CA_42C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	21.76	23.00
42590	42788	QPSK	1	99	1	0	21.83	23.00
42990	42792	QPSK	1	0	1	99	21.82	23.00

CA_42C Ant 10								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	20.95	22.50
42590	42788	QPSK	1	99	1	0	21.23	22.50
42990	42792	QPSK	1	0	1	99	21.21	22.50

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CA_7C Ant 0								
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	21.13	22.50
21100	21298	QPSK	1	99	1	0	21.15	22.50
21350	21152	QPSK	1	0	1	99	21.11	22.50

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	21.71	23.00
21100	21298	QPSK	1	99	1	0	21.80	23.00
21350	21152	QPSK	1	0	1	99	21.54	23.00

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	22.91	24.00
21100	21298	QPSK	1	99	1	0	23.06	24.00
21350	21152	QPSK	1	0	1	99	22.70	24.00

CA_7C Ant 9								
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	23.06	24.00
21100	21298	QPSK	1	99	1	0	23.15	24.00
21350	21152	QPSK	1	0	1	99	22.95	24.00

CA_38C Ant 0								
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	21.23	22.50
37901	38099	QPSK	1	99	1	0	21.28	22.50
38150	37952	QPSK	1	0	1	99	21.09	22.50

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.34	23.00
37901	38099	QPSK	1	99	1	0	21.52	23.00
38150	37952	QPSK	1	0	1	99	21.39	23.00

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	22.76	24.00
37901	38099	QPSK	1	99	1	0	22.84	24.00
38150	37952	QPSK	1	0	1	99	22.78	24.00

CA_38C Ant 9								
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	23.03	24.00
37901	38099	QPSK	1	99	1	0	23.05	24.00
38150	37952	QPSK	1	0	1	99	23.01	24.00

CA_41C Ant 0								
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	21.42	22.50
40185	40383	QPSK	1	99	1	0	21.23	22.50
40620	40818	QPSK	1	99	1	0	21.56	22.50
41055	41253	QPSK	1	99	1	0	21.20	22.50
41490	41292	QPSK	1	0	1	99	21.02	22.50

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.85	23.00
40185	40383	QPSK	1	99	1	0	21.71	23.00
40620	40818	QPSK	1	99	1	0	21.91	23.00
41055	41253	QPSK	1	99	1	0	21.56	23.00
41490	41292	QPSK	1	0	1	99	21.27	23.00

CA_41C 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		
39750	39948	QPSK	1	99	1	0	22.77	24.00
40185	40383	QPSK	1	99	1	0	22.75	24.00
40620	40818	QPSK	1	99	1	0	23.03	24.00
41055	41253	QPSK	1	99	1	0	22.74	24.00
41490	41292	QPSK	1	0	1	99	22.72	24.00

CA_41C Ant 9								
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	23.21	24.00
40185	40383	QPSK	1	99	1	0	22.95	24.00
40620	40818	QPSK	1	99	1	0	23.25	24.00
41055	41253	QPSK	1	99	1	0	22.89	24.00
41490	41292	QPSK	1	0	1	99	22.92	24.00

CA_42C Ant 7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	22.64	24.00
42590	42788	QPSK	1	99	1	0	22.7	24.00
42990	42792	QPSK	1	0	1	99	22.67	24.00

CA_42C 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		
42190	42388	QPSK	1	99	1	0	19.98	21.00
42590	42788	QPSK	1	99	1	0	20.05	21.00
42990	42792	QPSK	1	0	1	99	20.01	21.00

CA_42C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	20.82	22.10
42590	42788	QPSK	1	99	1	0	20.85	22.10
42990	42792	QPSK	1	0	1	99	20.77	22.10

CA_42C Ant 10								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	20.95	22.50
42590	42788	QPSK	1	99	1	0	21.23	22.50
42990	42792	QPSK	1	0	1	99	21.21	22.50