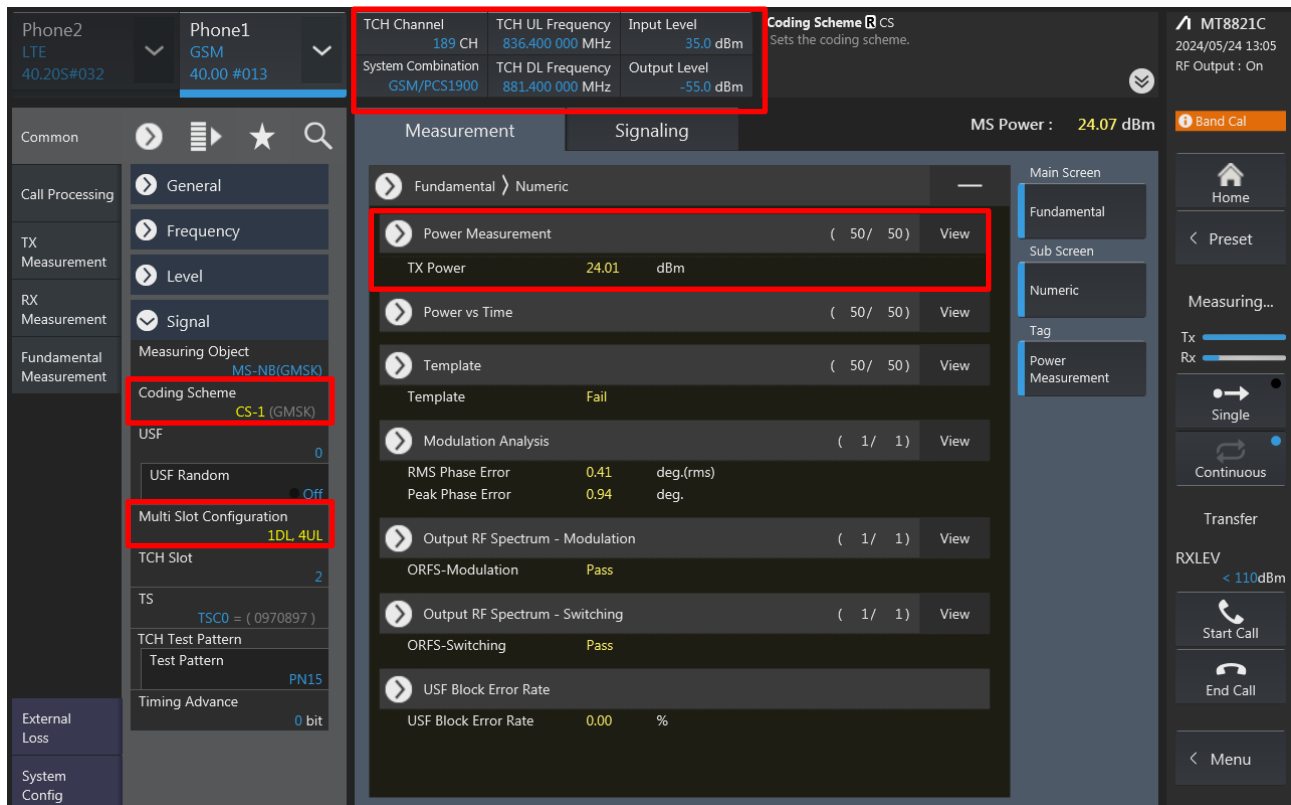


Power measurement connection diagram:

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.

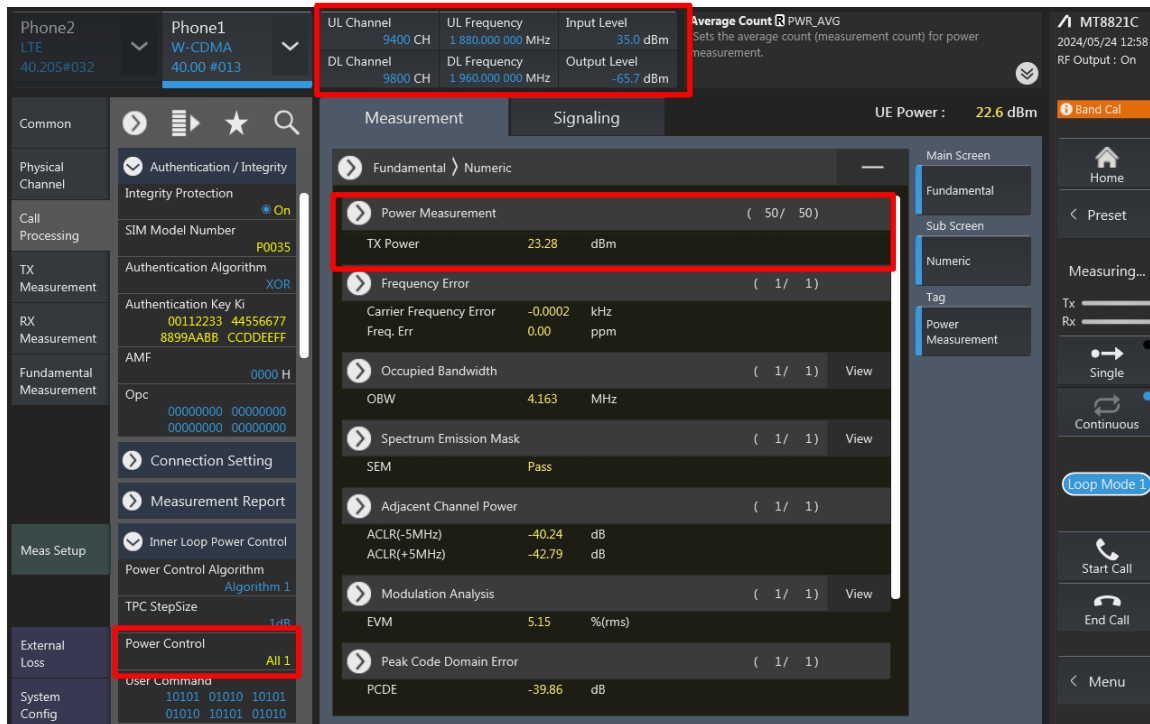
<GSM>



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

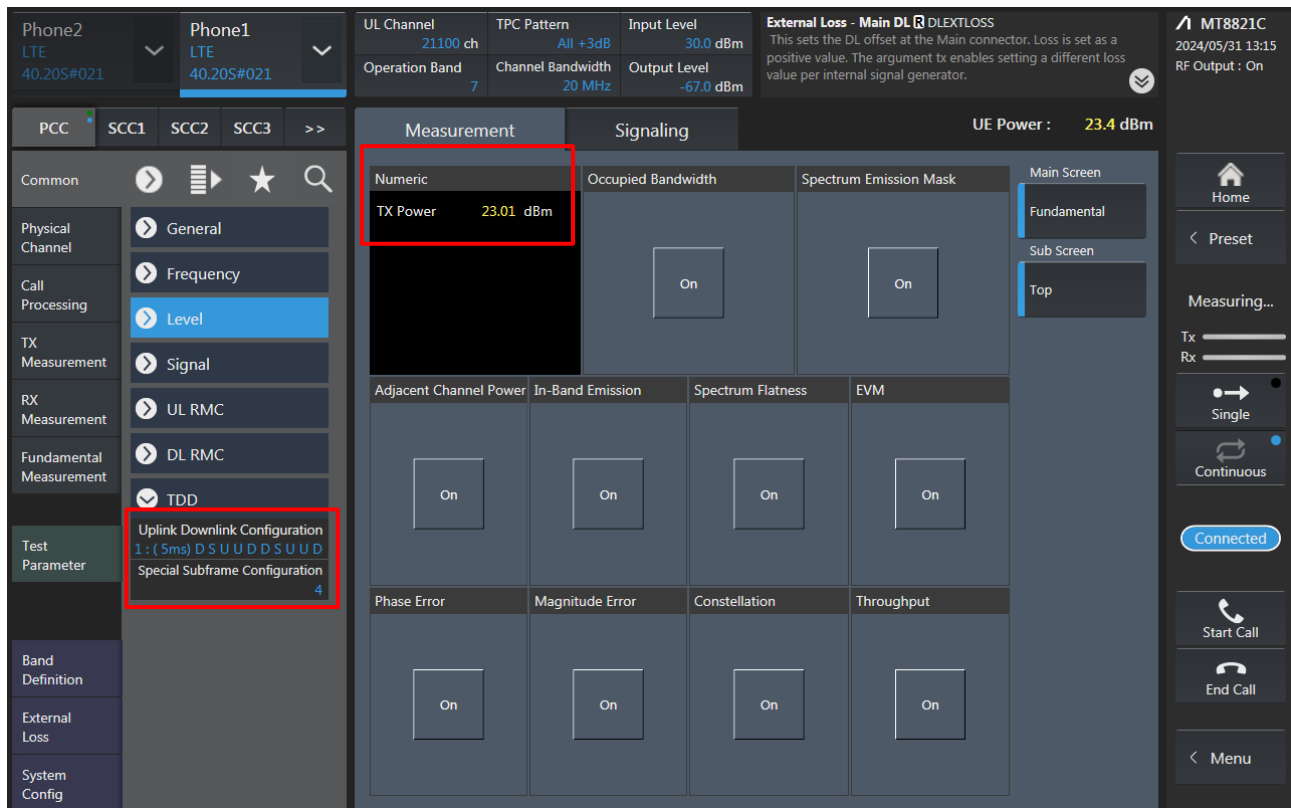
- Top Bar:** Shows Phone2 (LTE, 40.205#032) and Phone1 (GSM, 40.00 #013). It also displays TCH Channel (189 CH), TCH UL Frequency (836.400 000 MHz), Input Level (35.0 dBm), TCH DL Frequency (881.400 000 MHz), and Output Level (-55.0 dBm). The Coding Scheme is set to CS.
- Left Sidebar:** Contains navigation options like Common, Call Processing, TX Measurement, RX Measurement, Fundamental Measurement, and External Loss. The 'Fundamental Measurement' section is expanded, showing options like General, Frequency, Level, Signal, Measuring Object (MS-NB(GMSK)), Coding Scheme (CS-1 (GMSK)), USF, USF Random (Off), Multi Slot Configuration (1DL, 4UL), TCH Slot (2), TS (TSC0 = (0970897)), TCH Test Pattern (PN15), and Timing Advance (0 bit).
- Main Area:** Displays the 'Measurement' tab with 'Fundamental' and 'Numeric' views. The 'Power Measurement' section shows TX Power (24.01 dBm). Other sections include 'Power vs Time', 'Template' (Fail), 'Modulation Analysis' (RMS Phase Error: 0.41 deg.(rms), Peak Phase Error: 0.94 deg.), 'Output RF Spectrum - Modulation' (ORFS-Modulation: Pass), 'Output RF Spectrum - Switching' (ORFS-Switching: Pass), and 'USF Block Error Rate' (USF Block Error Rate: 0.00 %).
- Right Sidebar:** Shows the 'Main Screen' with 'Fundamental' and 'Sub Screen' options. It also displays 'MS Power : 24.07 dBm' and 'Band Cal' button. The bottom right corner shows 'MT8821C', '2024/05/24 13:05', 'RF Output : On', and buttons for 'Home', 'Preset', 'Measuring...', 'Tx', 'Rx', 'Single', 'Continuous', 'Transfer', 'RXLEV' (< 110dBm), 'Start Call', 'End Call', and 'Menu'.

<WCDMA>



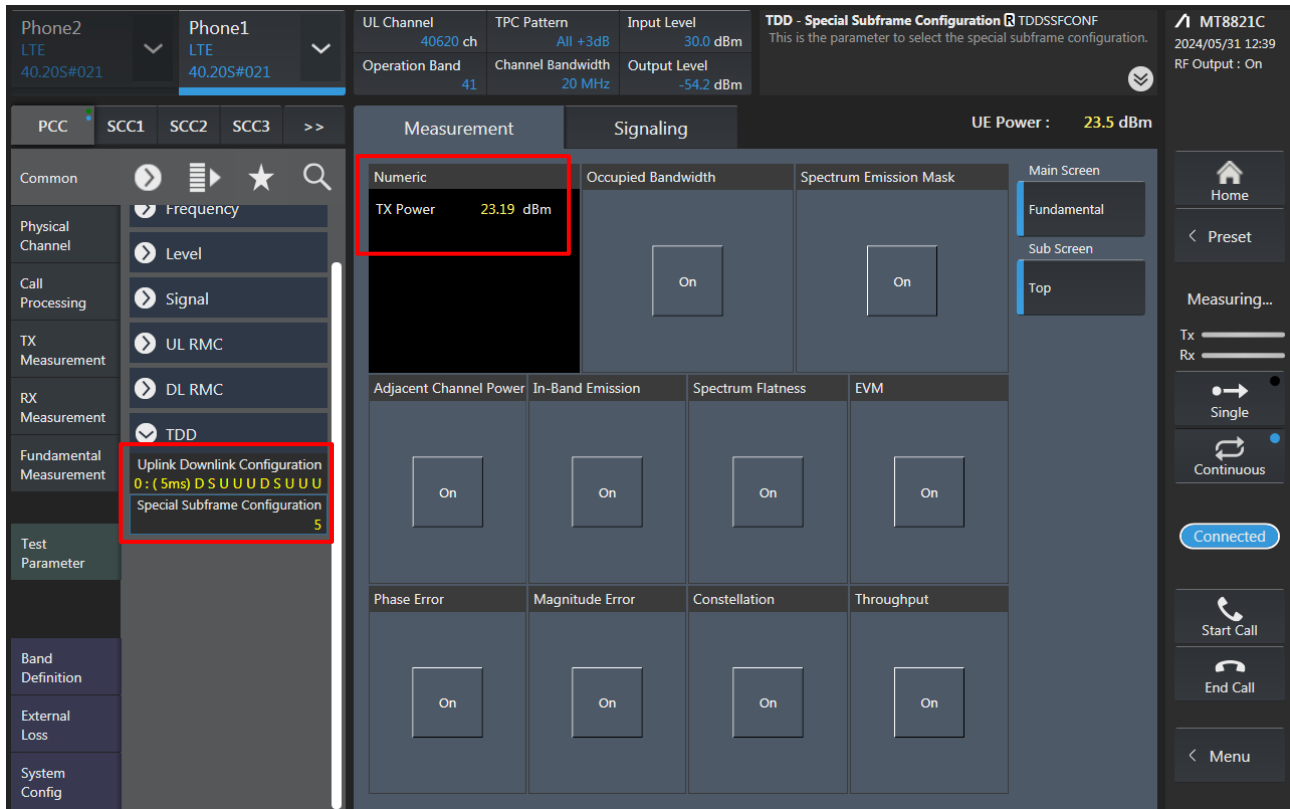
The screenshot displays the WCDMA measurement interface. The top bar shows 'Phone2 LTE 40.20S#032' and 'Phone1 W-CDMA 40.00 #013'. The 'Measurement' tab is active, showing 'Fundamental' and 'Numeric' views. The 'Power Measurement' section is highlighted with a red box, showing 'TX Power' at 23.28 dBm. The 'Occupied Bandwidth' section shows 'OBW' at 4.163 MHz. The 'Adjacent Channel Power' section shows 'ACLR(-5MHz)' at -40.24 dB and 'ACLR(+5MHz)' at -42.79 dB. The 'Modulation Analysis' section shows 'EVM' at 5.15 % (rms). The 'Peak Code Domain Error' section shows 'PCDE' at -39.86 dB. The 'UE Power' is 22.6 dBm. The 'Band Cal' button is visible on the right. The 'Meas Setup' section on the left includes 'Authentication / Integrity', 'SIM Model Number', 'Authentication Algorithm', 'Authentication Key Ki', 'AMF', 'Opc', 'Connection Setting', 'Measurement Report', 'Inner Loop Power Control', 'Power Control Algorithm', 'TPC StepSize', 'Power Control', and 'User Command'.

<LTE>



The screenshot displays the LTE measurement interface. The top bar shows 'Phone2 LTE 40.20S#021' and 'Phone1 LTE 40.20S#021'. The 'Measurement' tab is active, showing 'Numeric' and 'Occupied Bandwidth' views. The 'Power Measurement' section is highlighted with a red box, showing 'TX Power' at 23.01 dBm. The 'Occupied Bandwidth' section shows 'OBW' at 20 MHz. The 'Spectrum Emission Mask' section shows 'SEM' at Pass. The 'Adjacent Channel Power' section shows 'ACLR(-5MHz)' at -40.24 dB and 'ACLR(+5MHz)' at -42.79 dB. The 'Modulation Analysis' section shows 'EVM' at 5.15 % (rms). The 'Peak Code Domain Error' section shows 'PCDE' at -39.86 dB. The 'UE Power' is 23.4 dBm. The 'Band Cal' button is visible on the right. The 'Meas Setup' section on the left includes 'General', 'Frequency', 'Level', 'Signal', 'UL RMC', 'DL RMC', 'TDD', 'Uplink Downlink Configuration', 'Special Subframe Configuration', 'Band Definition', 'External Loss', and 'System Config'.

<LTE TDD Power class 3>



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

UL Channel 40620 ch TPC Pattern All +3dB Input Level 30.0 dBm TDD - Special Subframe Configuration TDDSSFCNF This is the parameter to select the special subframe configuration. MT8821C 2024/05/31 12:39 RF Output : On

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

UE Power : 23.5 dBm

Measurement Signaling

Numeric TX Power 23.19 dBm

Occupied Bandwidth Spectrum Emission Mask

On On

Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

On On On On

Phase Error Magnitude Error Constellation Throughput

On On On On

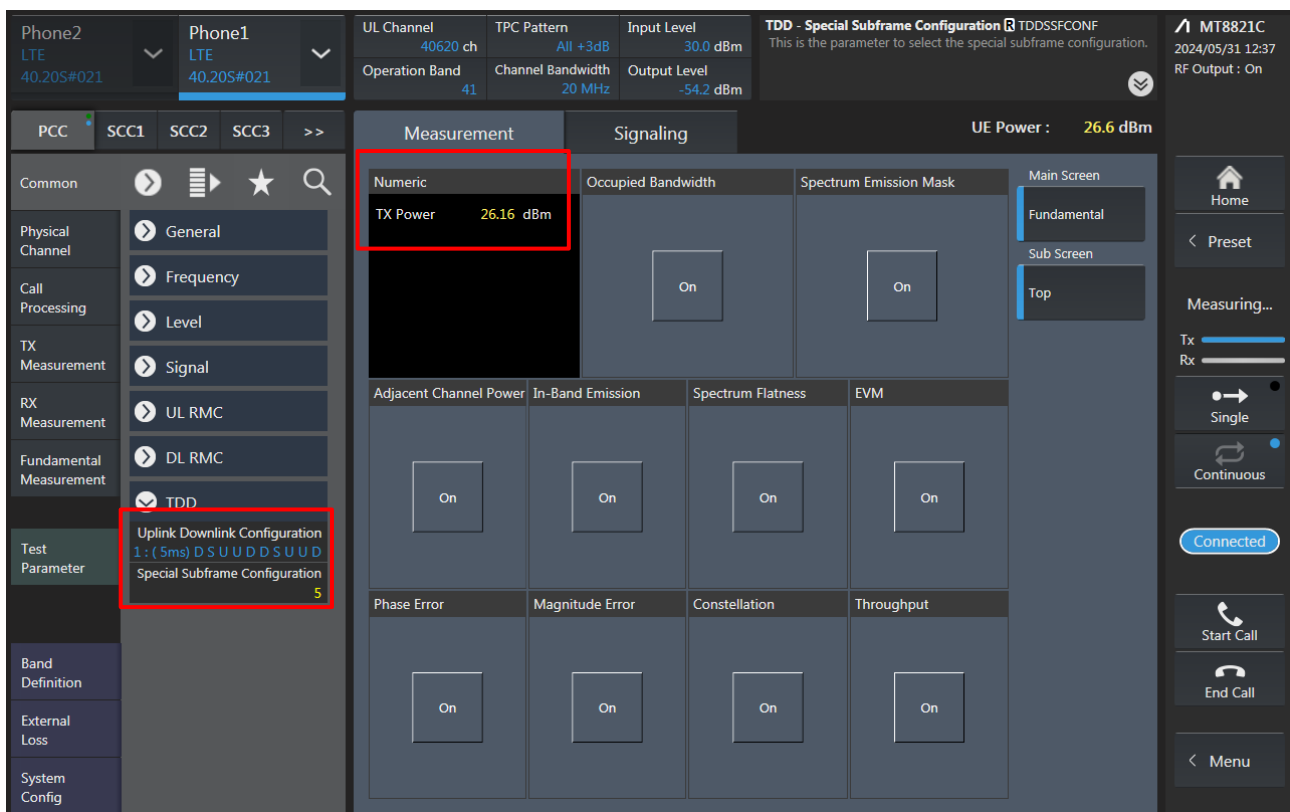
Common Frequency Level Signal UL RMC DL RMC TDD Uplink Downlink Configuration 0 : (5ms) D S U U U D S U U U Special Subframe Configuration 5

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

Main Screen Fundamental Sub Screen Top

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

<LTE TDD Power class 2>



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

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

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

UE Power : 26.6 dBm

Measurement Signaling

Numeric TX Power 26.16 dBm

Occupied Bandwidth Spectrum Emission Mask

On On

Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

On On On On

Phase Error Magnitude Error Constellation Throughput

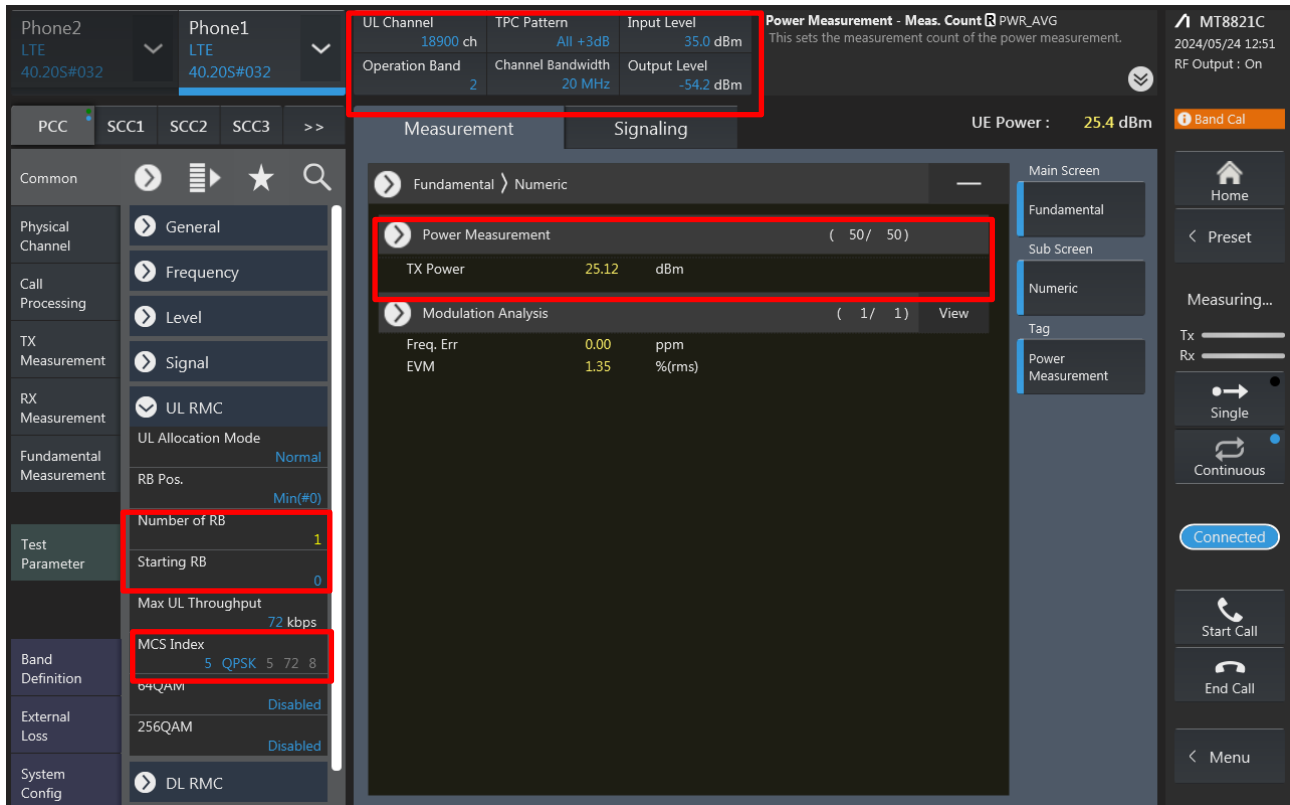
On On On On

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

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

Main Screen Fundamental Sub Screen Top

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



Phone2 LTE 40.20S#032

Phone1 LTE 40.20S#032

UL Channel 18900 ch

TPC Pattern All +3dB

Input Level 35.0 dBm

Operation Band 2

Channel Bandwidth 20 MHz

Output Level -54.2 dBm

Power Measurement - Meas. Count PWR_AVG

This sets the measurement count of the power measurement.

MT8821C

2024/05/24 12:51

RF Output : On

PCC SCC1 SCC2 SCC3 >>

Measurement Signaling

UE Power : 25.4 dBm

Band Cal

Home

Preset

Measuring...

Tx

Rx

Single

Continuous

Connected

Start Call

End Call

Menu

Common

Physical Channel

Call Processing

TX Measurement

RX Measurement

Fundamental Measurement

Test Parameter

Band Definition

External Loss

System Config

General

Frequency

Level

Signal

UL RMC

UL Allocation Mode Normal

RB Pos. Min(#0)

Number of RB 1

Starting RB 0

Max UL Throughput 72 kbps

MCS Index 5 QPSK 5 72 8

DL RMC

Power Measurement

(50 / 50)

TX Power 25.12 dBm

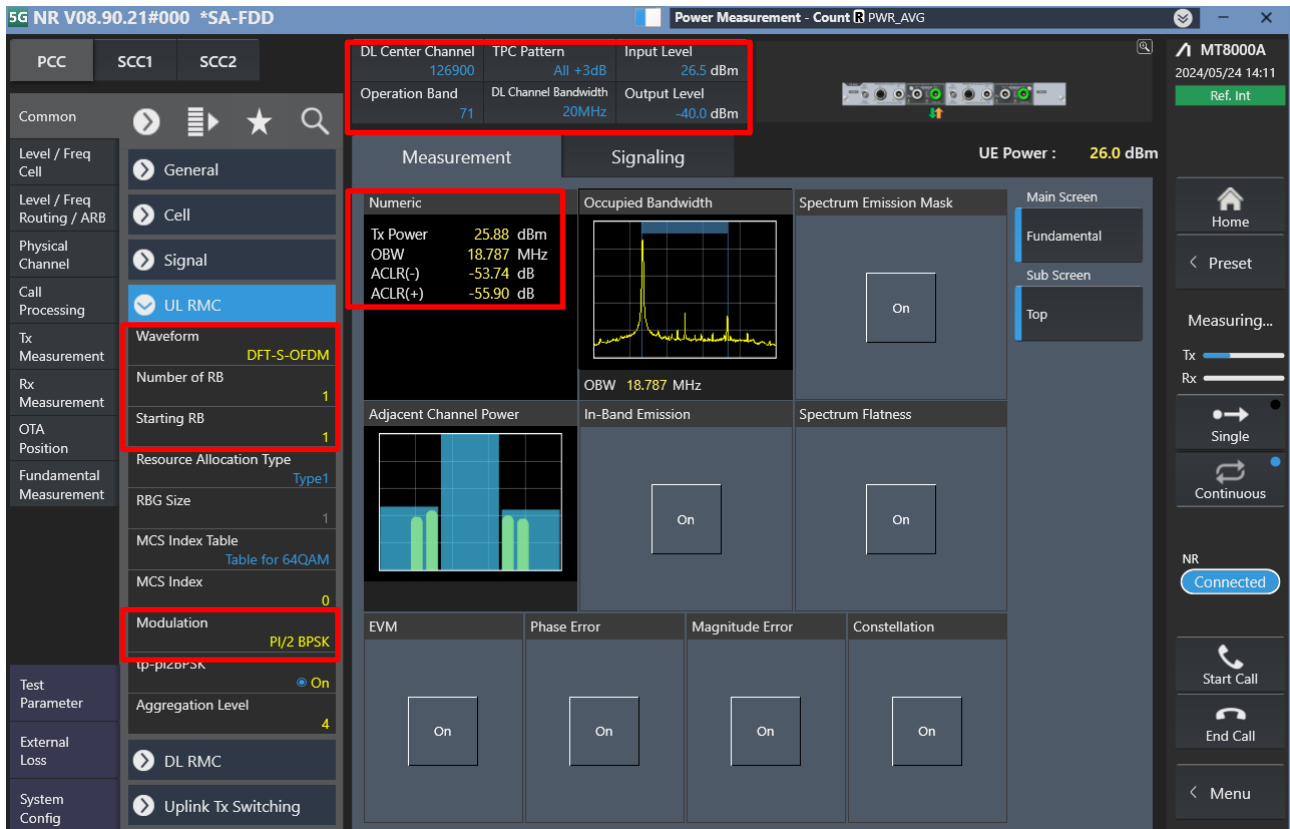
Modulation Analysis

(1 / 1) View

Freq. Err 0.00 ppm

EVM 1.35 % (rms)

<5G NR FR1>



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

Power Measurement - Count PWR_AVG

MT88000A

2024/05/24 14:11

Ref. Int

PCC SCC1 SCC2

Measurement Signaling

UE Power : 26.0 dBm

Home

Preset

Measuring...

Tx

Rx

Single

Continuous

Connected

Start Call

End Call

Menu

Common

Level / Freq Cell

Level / Freq Routing / ARB

Physical Channel

Call Processing

TX Measurement

RX Measurement

OTA Position

Fundamental Measurement

Test Parameter

External Loss

System Config

General

Cell

Signal

UL RMC

Waveform DFT-S-OFDM

Number of RB 1

Starting RB 1

Resource Allocation Type Type1

RBG Size 1

MCS Index Table Table for 64QAM

MCS Index 0

Modulation PL/2 BPSK

DL RMC

Uplink Tx Switching

Power Measurement

(26.0 / 26.0)

Tx Power 25.88 dBm

OBW 18.787 MHz

ACLR(-) -53.74 dB

ACLR(+) -55.90 dB

Occupied Bandwidth

Spectrum Emission Mask

On

Adjacent Channel Power

In-Band Emission

Spectrum Flatness

On

EVM

Phase Error

Magnitude Error

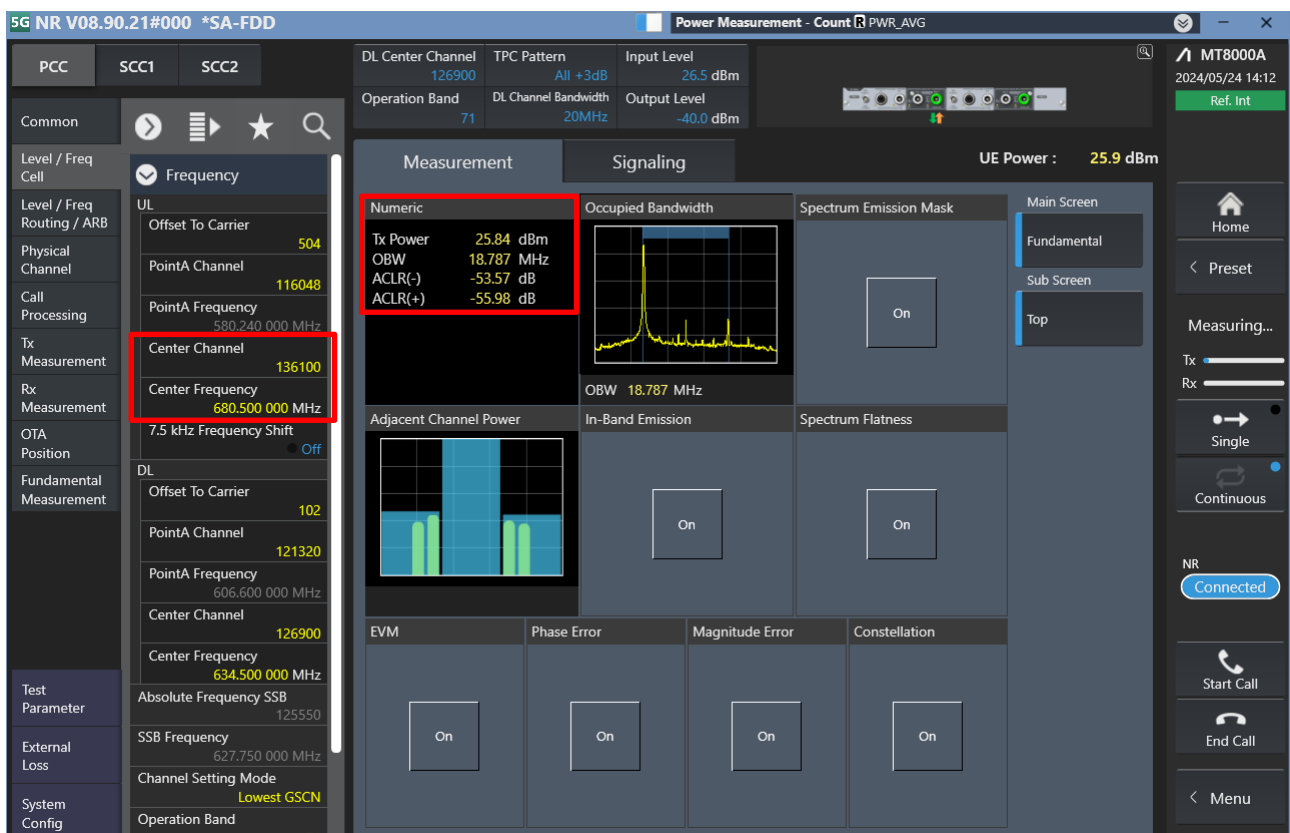
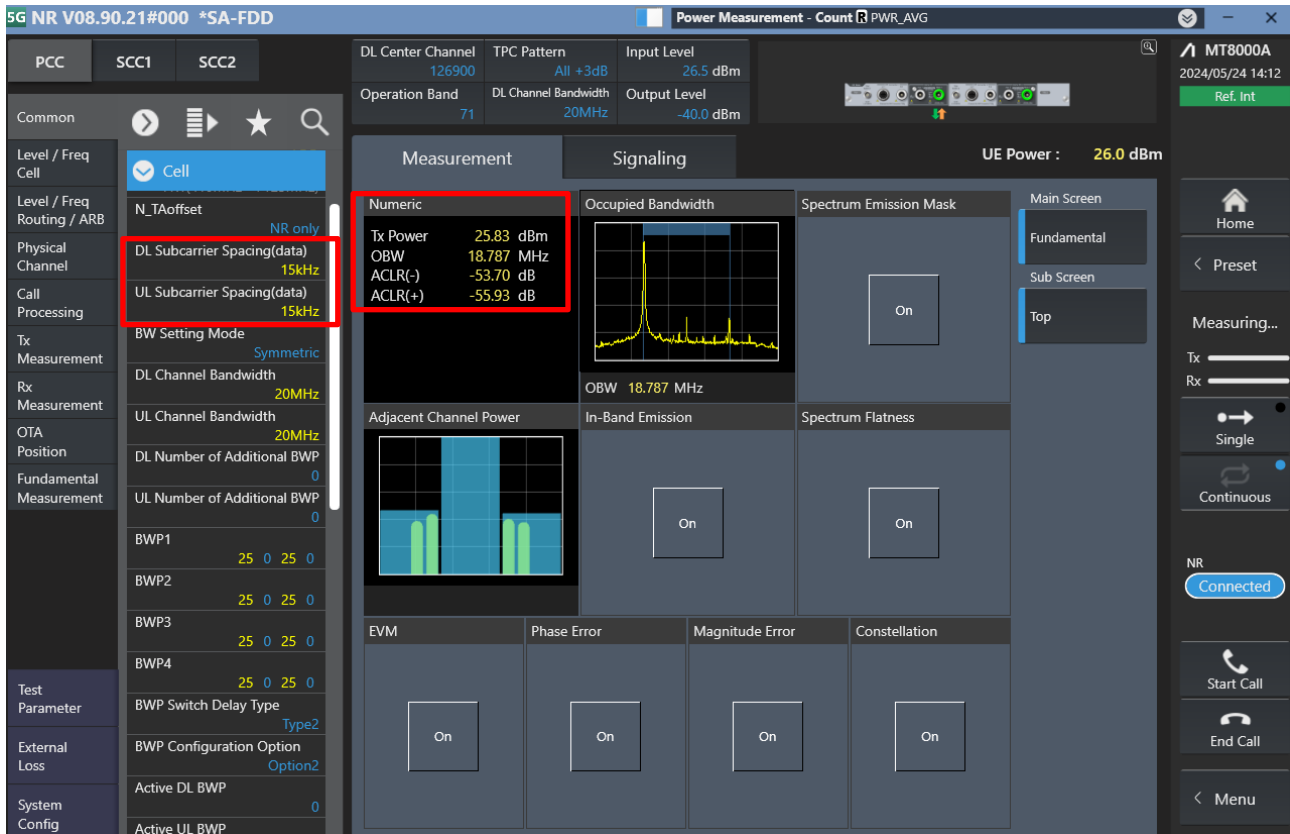
Constellation

On

On

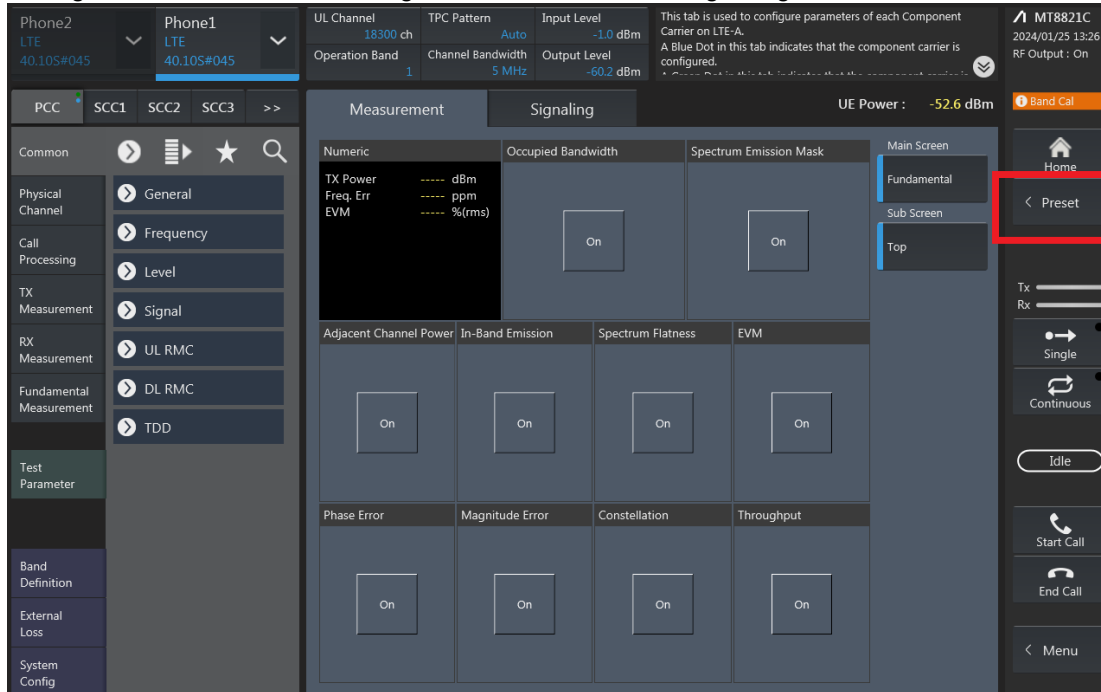
On

On



LTE Uplink and Downlink Carrier Aggregation configurations:

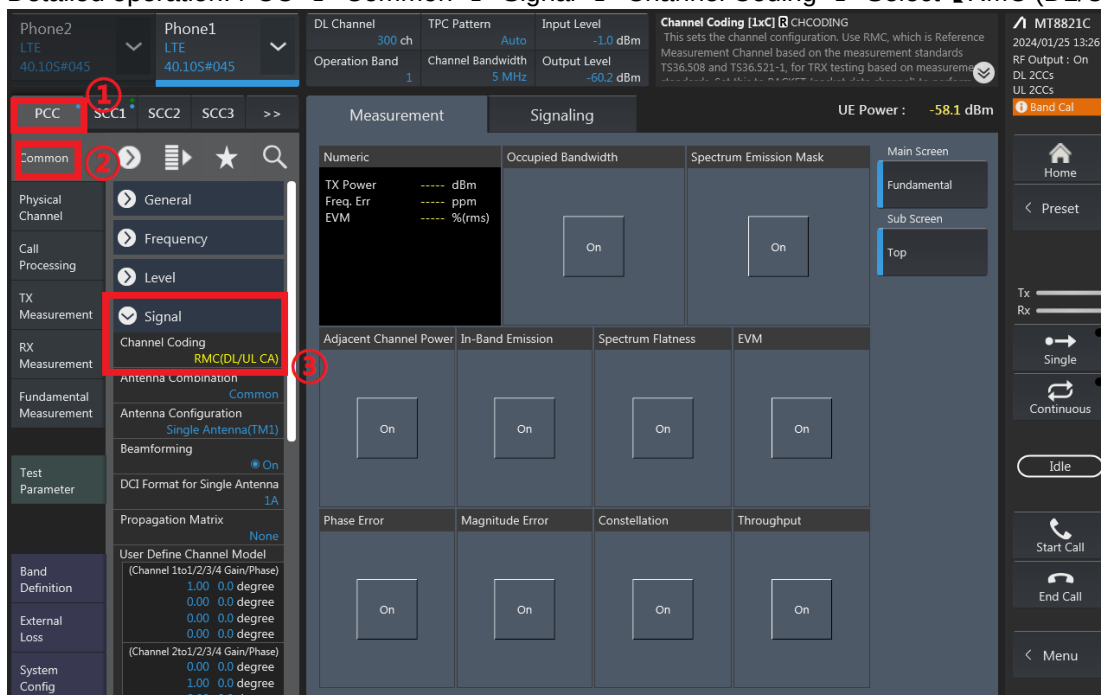
1. Change the Scenario in the Configuration of Phone1 LTE Signaling and Preset.



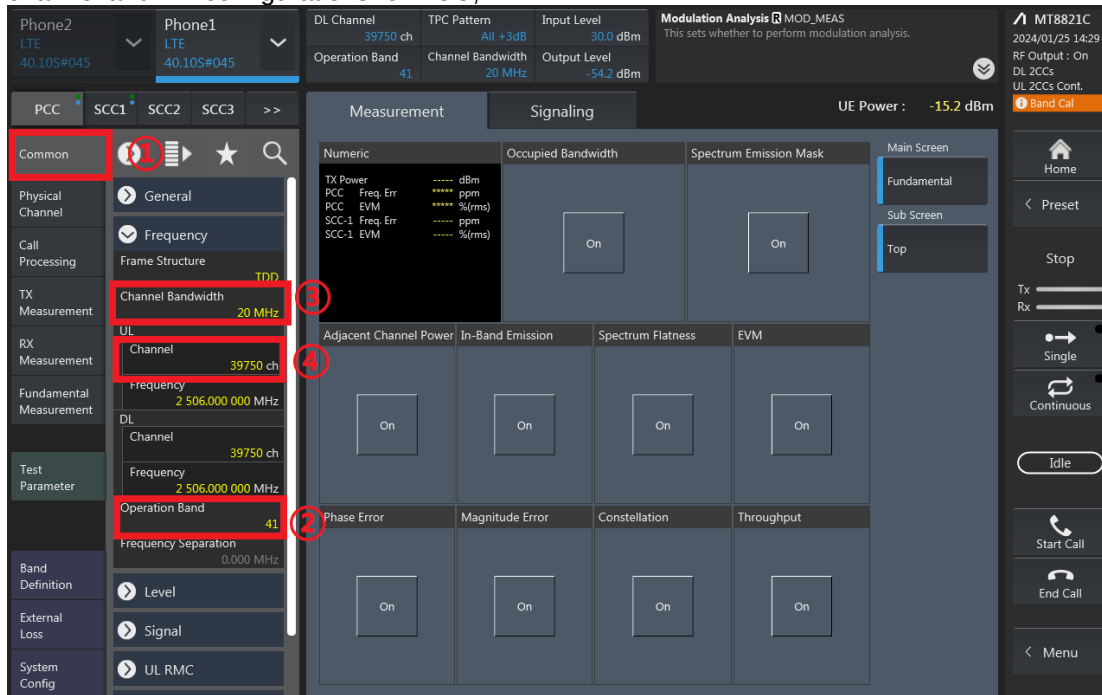
2. If Select "RMC (DL/UL CA)" for Uplink Carrier Aggregation;
If Select "RMC (DL CA)" for Downlink Carrier Aggregation.

For example, Uplink Carrier Aggregation:

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



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



Phone2 LTE 40.10S#045 Phone1 LTE 40.10S#045

DL Channel 39750 ch TPC Pattern All +3dB Input Level 30.0 dBm Modulation Analysis MOD_MEAS This sets whether to perform modulation analysis.

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

MT8821C 2024/01/25 14:29 RF Output : On DL 2CCs UL 2CCs Cont.

PCC SCC1 SCC2 SCC3 >>

Measurement Signaling UE Power : -15.2 dBm

Common

Physical Channel General

Call Processing Frequency

TX Measurement Channel Bandwidth 20 MHz

RX Measurement Channel 39750 ch

Fundamental Measurement Frequency 2 506.000 000 MHz

Test Parameter Channel 39750 ch Frequency 2 506.000 000 MHz Operation Band 41 Frequency Separation 0.000 MHz

Band Definition Level

External Loss Signal

System Config UL RMC

Numeric Occupied Bandwidth Spectrum Emission Mask

TX Power PCC Freq. Err. dBm PCC EVM ppm SCC-1 Freq. Err. ppm SCC-1 EVM ppm

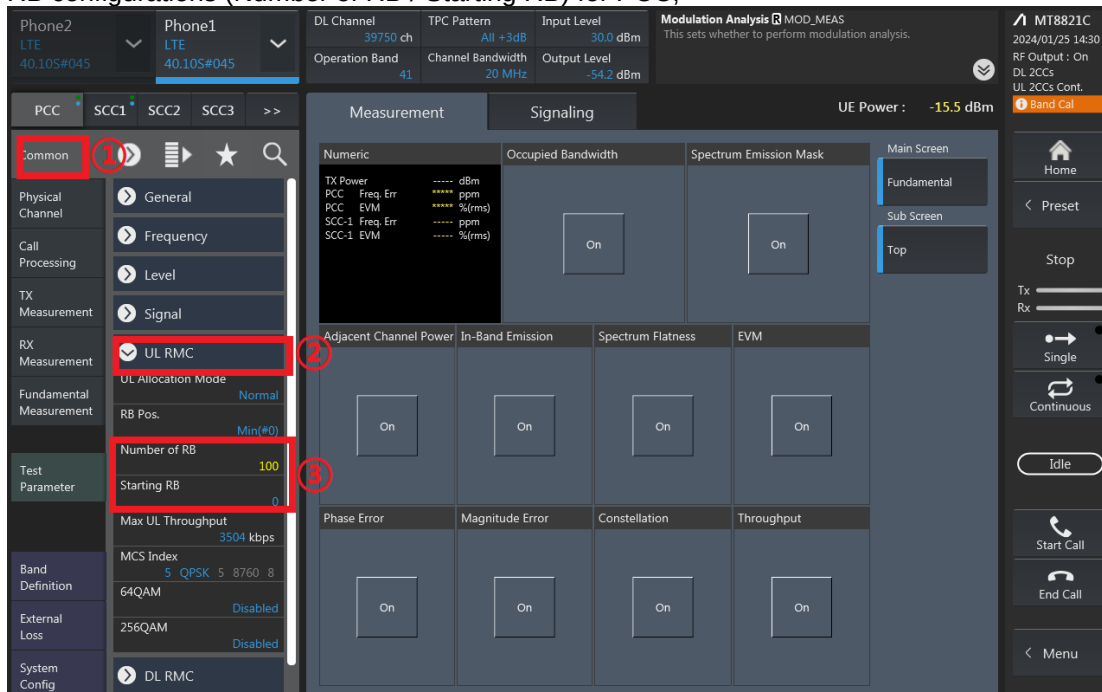
Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

Phase Error Magnitude Error Constellation Throughput

Main Screen Fundamental Sub Screen Top

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

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



Phone2 LTE 40.10S#045 Phone1 LTE 40.10S#045

DL Channel 39750 ch TPC Pattern All +3dB Input Level 30.0 dBm Modulation Analysis MOD_MEAS This sets whether to perform modulation analysis.

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

MT8821C 2024/01/25 14:30 RF Output : On DL 2CCs UL 2CCs Cont.

PCC SCC1 SCC2 SCC3 >>

Measurement Signaling UE Power : -15.5 dBm

Common

Physical Channel General

Call Processing Level

TX Measurement Signal

RX Measurement UL RMC

Fundamental Measurement UL Allocation Mode Normal RB Pos. Min(#0)

Test Parameter Number of RB 100 Starting RB 0 Max UL Throughput 3504 kbps

Band Definition MCS Index 5 QPSK 5 8760 8 64QAM

External Loss 256QAM Disabled

System Config DL RMC

Numeric Occupied Bandwidth Spectrum Emission Mask

TX Power PCC Freq. Err. dBm PCC EVM ppm SCC-1 Freq. Err. ppm SCC-1 EVM ppm

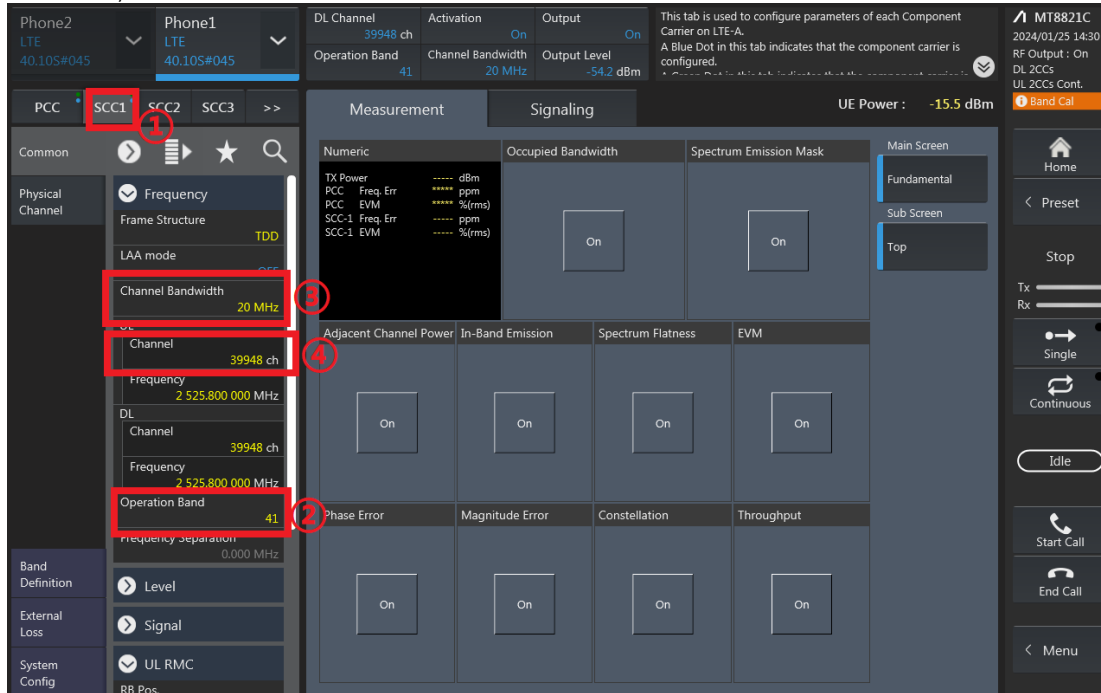
Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

Phase Error Magnitude Error Constellation Throughput

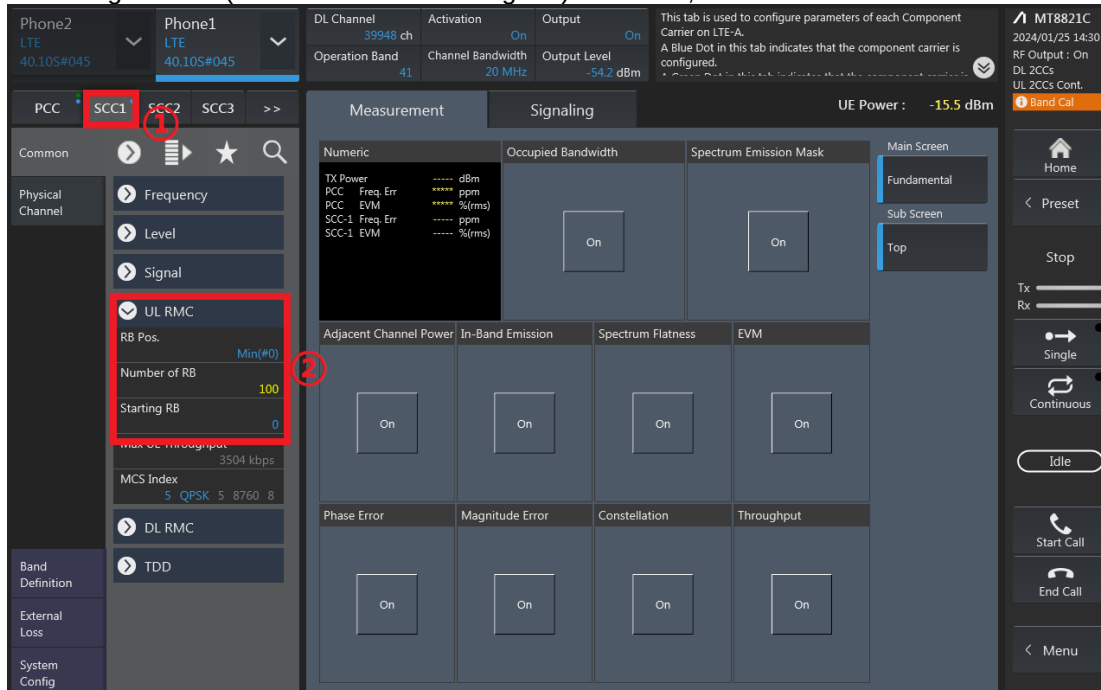
Main Screen Fundamental Sub Screen Top

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

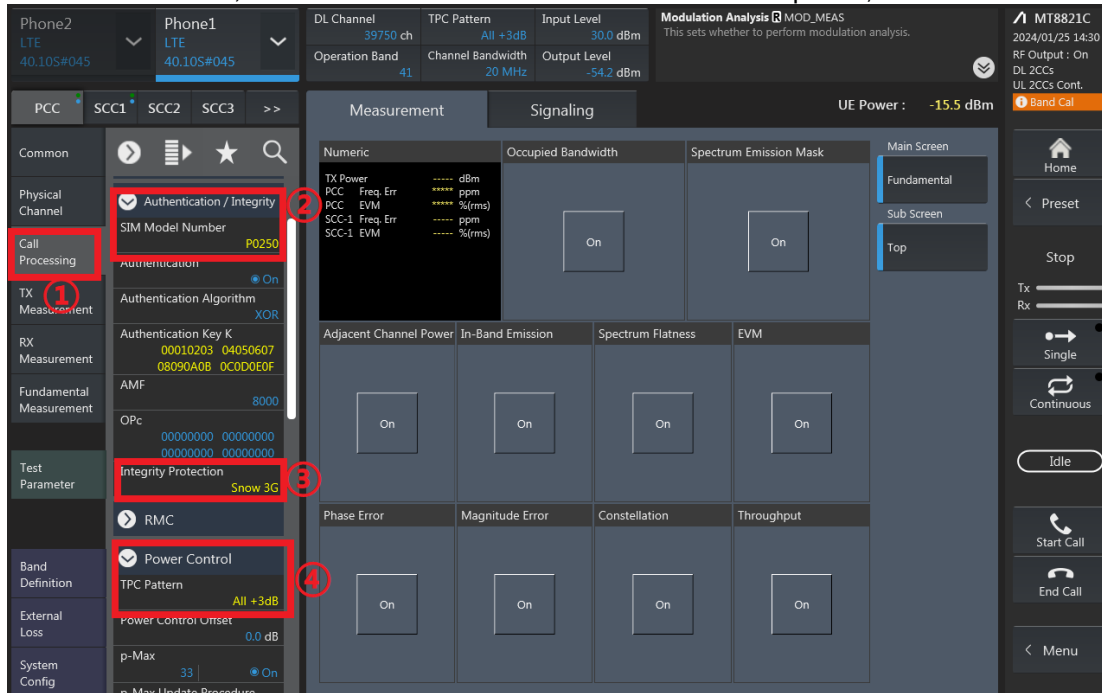
4. SCC parameter Settings: Select the SCC1 tab, Set operating band, BW, channel, and RB configurations for SCC1;



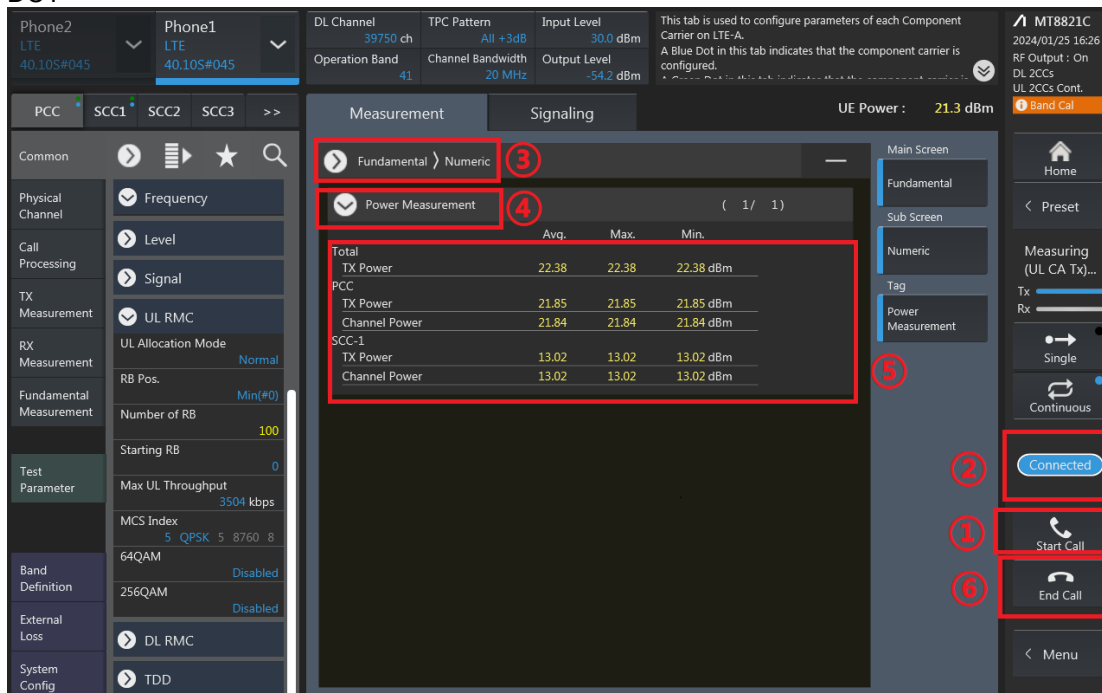
RB configurations (Number of RB / Starting RB) for SCC1;



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



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



	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.

CA 2C Ant 2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
18700	18898	QPSK	1	0	0	0	1	0	Full	22.89	24.00
18900	19098	QPSK	1	0	0	0	1	0	Full	23.03	24.00
19100	18902	QPSK	1	0	0	0	1	0	Full	22.84	24.00
18700	18898	QPSK	1	0	0	0	1	0	ECI 2	22.89	24.00
18900	19098	QPSK	1	0	0	0	1	0	ECI 2	23.03	24.00
19100	18902	QPSK	1	0	0	0	1	0	ECI 2	22.84	24.00
18700	18898	QPSK	1	0	0	0	1	0	ECI 3	18.77	20.00
18900	19098	QPSK	1	0	0	0	1	0	ECI 3	18.99	20.00
19100	18902	QPSK	1	0	0	0	1	0	ECI 3	18.80	20.00
18700	18898	QPSK	1	0	0	0	1	0	ECI 4	22.89	24.00
18900	19098	QPSK	1	0	0	0	1	0	ECI 4	23.03	24.00
19100	18902	QPSK	1	0	0	0	1	0	ECI 4	22.84	24.00
18700	18898	QPSK	1	0	0	0	1	0	ECI 6	21.80	23.00
18900	19098	QPSK	1	0	0	0	1	0	ECI 6	21.97	23.00
19100	18902	QPSK	1	0	0	0	1	0	ECI 6	21.78	23.00
18700	18898	QPSK	1	0	0	0	1	0	ECI 7	18.28	19.50
18900	19098	QPSK	1	0	0	0	1	0	ECI 7	18.40	19.50
19100	18902	QPSK	1	0	0	0	1	0	ECI 7	18.27	19.50

CA_2C_Ant 8											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
RB Size	RB offset	RB Size	RB offset				(dB)				
18700	18898	QPSK	1	0	0	0	1	0	Full	23.10	24.00
18900	19098	QPSK	1	0	0	0	1	0	Full	23.14	24.00
19100	18902	QPSK	1	0	0	0	1	0	Full	22.99	24.00
18700	18898	QPSK	1	0	0	0	1	0	ECI 2	18.54	19.50
18900	19098	QPSK	1	0	0	0	1	0	ECI 2	18.63	19.50
19100	18902	QPSK	1	0	0	0	1	0	ECI 2	18.39	19.50
18700	18898	QPSK	1	0	0	0	1	0	ECI 3	21.05	22.00
18900	19098	QPSK	1	0	0	0	1	0	ECI 3	21.07	22.00
19100	18902	QPSK	1	0	0	0	1	0	ECI 3	20.90	22.00
18700	18898	QPSK	1	0	0	0	1	0	ECI 4	23.10	24.00
18900	19098	QPSK	1	0	0	0	1	0	ECI 4	23.14	24.00
19100	18902	QPSK	1	0	0	0	1	0	ECI 4	22.99	24.00
18700	18898	QPSK	1	0	0	0	1	0	ECI 6	21.05	22.00
18900	19098	QPSK	1	0	0	0	1	0	ECI 6	21.07	22.00
19100	18902	QPSK	1	0	0	0	1	0	ECI 6	20.90	22.00
18700	18898	QPSK	1	0	0	0	1	0	ECI 7	17.51	18.50
18900	19098	QPSK	1	0	0	0	1	0	ECI 7	17.53	18.50
19100	18902	QPSK	1	0	0	0	1	0	ECI 7	17.34	18.50

CA 2C_Ant 9												
Combination 20MHz+20MHz (100RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)		Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
18700	18898	QPSK	1	0	0	0	1	0	Full		22.98	24.00
18900	19098	QPSK	1	0	0	0	1	0	Full		23.05	24.00
19100	18902	QPSK	1	0	0	0	1	0	Full		22.96	24.00
18700	18898	QPSK	1	0	0	0	1	0	ECI 2		20.33	21.50
18900	19098	QPSK	1	0	0	0	1	0	ECI 2		20.53	21.50
19100	18902	QPSK	1	0	0	0	1	0	ECI 2		20.34	21.50
18700	18898	QPSK	1	0	0	0	1	0	ECI 3		19.34	20.50
18900	19098	QPSK	1	0	0	0	1	0	ECI 3		19.51	20.50
19100	18902	QPSK	1	0	0	0	1	0	ECI 3		19.40	20.50
18700	18898	QPSK	1	0	0	0	1	0	ECI 4		22.98	24.00
18900	19098	QPSK	1	0	0	0	1	0	ECI 4		23.05	24.00
19100	18902	QPSK	1	0	0	0	1	0	ECI 4		22.96	24.00
18700	18898	QPSK	1	0	0	0	1	0	ECI 6		21.05	22.00
18900	19098	QPSK	1	0	0	0	1	0	ECI 6		21.07	22.00
19100	18902	QPSK	1	0	0	0	1	0	ECI 6		20.96	22.00
18700	18898	QPSK	1	0	0	0	1	0	ECI 7		17.88	19.00
18900	19098	QPSK	1	0	0	0	1	0	ECI 7		18.00	19.00
19100	18902	QPSK	1	0	0	0	1	0	ECI 7		17.84	19.00

CA_7C_Ant 2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Turn up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Full	23.04	24.00
21100	21298	QPSK	1	0	0	0	1	0	Full	23.18	24.00
21350	21152	QPSK	1	0	0	0	1	0	Full	23.03	24.00
20850	21048	QPSK	1	0	0	0	1	0	ECI 2	23.04	24.00
21100	21298	QPSK	1	0	0	0	1	0	ECI 2	23.18	24.00
21350	21152	QPSK	1	0	0	0	1	0	ECI 2	23.03	24.00
20850	21048	QPSK	1	0	0	0	1	0	ECI 3	18.00	19.00
21100	21298	QPSK	1	0	0	0	1	0	ECI 3	18.13	19.00
21350	21152	QPSK	1	0	0	0	1	0	ECI 3	17.90	19.00
20850	21048	QPSK	1	0	0	0	1	0	ECI 4	23.04	24.00
21100	21298	QPSK	1	0	0	0	1	0	ECI 4	23.18	24.00
21350	21152	QPSK	1	0	0	0	1	0	ECI 4	23.03	24.00
20850	21048	QPSK	1	0	0	0	1	0	ECI 6	20.41	21.50
21100	21298	QPSK	1	0	0	0	1	0	ECI 6	20.62	21.50
21350	21152	QPSK	1	0	0	0	1	0	ECI 6	20.51	21.50
20850	21048	QPSK	1	0	0	0	1	0	ECI 7	18.00	19.00
21100	21298	QPSK	1	0	0	0	1	0	ECI 7	18.13	19.00
21350	21152	QPSK	1	0	0	0	1	0	ECI 7	17.90	19.00

CA_7C_Ant 8											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Turn up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
21100	21298	QPSK	1	0	0	0	1	0	Full	23.06	24.00
21350	21152	QPSK	1	0	0	0	1	0	Full	23.24	24.00
20850	21048	QPSK	1	0	0	0	1	0	ECI 2	17.22	18.50
21100	21298	QPSK	1	0	0	0	1	0	ECI 2	17.81	18.50
21350	21152	QPSK	1	0	0	0	1	0	ECI 2	17.41	18.50
20850	21048	QPSK	1	0	0	0	1	0	ECI 3	19.45	20.50
21100	21298	QPSK	1	0	0	0	1	0	ECI 3	19.70	20.50
21350	21152	QPSK	1	0	0	0	1	0	ECI 3	19.71	20.50
20850	21048	QPSK	1	0	0	0	1	0	ECI 4	23.06	24.00
21100	21298	QPSK	1	0	0	0	1	0	ECI 4	23.35	24.00
21350	21152	QPSK	1	0	0	0	1	0	ECI 4	23.24	24.00
20850	21048	QPSK	1	0	0	0	1	0	ECI 6	20.43	21.50
21100	21298	QPSK	1	0	0	0	1	0	ECI 6	20.71	21.50
21350	21152	QPSK	1	0	0	0	1	0	ECI 6	20.65	21.50
20850	21048	QPSK	1	0	0	0	1	0	ECI 7	18.34	17.50
21100	21298	QPSK	1	0	0	0	1	0	ECI 7	18.64	17.50
21350	21152	QPSK	1	0	0	0	1	0	ECI 7	18.51	17.50

CA 7C Ant 9											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Turn up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Full	23.19	24.00
21100	21208	QPSK	1	0	0	0	1	0	Full	23.22	24.00
21350	21152	QPSK	1	0	0	0	1	0	Full	23.19	24.00
20850	21048	QPSK	1	0	0	0	1	0	ECI2	20.57	21.50
21100	21208	QPSK	1	0	0	0	1	0	ECI2	20.68	21.50
21350	21152	QPSK	1	0	0	0	1	0	ECI2	20.64	21.50
20850	21048	QPSK	1	0	0	0	1	0	ECI3	21.40	22.50
21100	21208	QPSK	1	0	0	0	1	0	ECI3	21.50	22.50
21350	21152	QPSK	1	0	0	0	1	0	ECI3	21.36	22.50
20850	21048	QPSK	1	0	0	0	1	0	ECI4	23.19	24.00
21100	21208	QPSK	1	0	0	0	1	0	ECI4	23.22	24.00
21350	21152	QPSK	1	0	0	0	1	0	ECI4	23.19	24.00
20850	21048	QPSK	1	0	0	0	1	0	ECI6	20.93	22.00
21100	21208	QPSK	1	0	0	0	1	0	ECI6	20.96	22.00
21350	21152	QPSK	1	0	0	0	1	0	ECI6	20.98	22.00
20850	21048	QPSK	1	0	0	0	1	0	ECI7	17.65	18.50
21100	21208	QPSK	1	0	0	0	1	0	ECI7	17.69	18.50
21350	21152	QPSK	1	0	0	0	1	0	ECI7	17.83	18.50

CA_66C_Ant 2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Turn up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	0	0	0	1	0	Full	23.00	24.00
132322	132520	QPSK	1	0	0	0	1	0	Full	23.15	24.00
132572	132374	QPSK	1	0	0	0	1	0	Full	22.99	24.00
132072	132270	QPSK	1	0	0	0	1	0	ECI2	23.00	24.00
132322	132520	QPSK	1	0	0	0	1	0	ECI2	23.15	24.00
132572	132374	QPSK	1	0	0	0	1	0	ECI3	22.99	24.00
132072	132270	QPSK	1	0	0	0	1	0	ECI3	19.67	21.00
132322	132520	QPSK	1	0	0	0	1	0	ECI3	19.94	21.00
132572	132374	QPSK	1	0	0	0	1	0	ECI3	19.70	21.00
132072	132270	QPSK	1	0	0	0	1	0	ECI4	23.00	24.00
132322	132520	QPSK	1	0	0	0	1	0	ECI4	23.15	24.00
132572	132374	QPSK	1	0	0	0	1	0	ECI4	22.99	24.00
132072	132270	QPSK	1	0	0	0	1	0	ECI6	23.00	24.00
132322	132520	QPSK	1	0	0	0	1	0	ECI6	23.15	24.00
132572	132374	QPSK	1	0	0	0	1	0	ECI6	22.99	24.00
132072	132270	QPSK	1	0	0	0	1	0	ECI7	19.38	20.50
132322	132520	QPSK	1	0	0	0	1	0	ECI7	19.58	20.50
132572	132374	QPSK	1	0	0	0	1	0	ECI7	19.41	20.50

CA_66C_Ant 8											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Turn up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	0	0	0	1	0	Full	23.02	24.00
132322	132520	QPSK	1	0	0	0	1	0	Full	23.13	24.00
132572	132774	QPSK	1	0	0	0	1	0	Full	23.03	24.00
132072	132270	QPSK	1	0	0	0	1	0	ECI 2	18.41	19.50
132322	132520	QPSK	1	0	0	0	1	0	ECI 2	18.59	19.50
132572	132774	QPSK	1	0	0	0	1	0	ECI 2	18.51	19.50
132072	132270	QPSK	1	0	0	0	1	0	ECI 3	20.87	22.00
132322	132520	QPSK	1	0	0	0	1	0	ECI 3	21.07	22.00
132572	132774	QPSK	1	0	0	0	1	0	ECI 3	21.01	22.00
132072	132270	QPSK	1	0	0	0	1	0	ECI 4	23.02	24.00
132322	132520	QPSK	1	0	0	0	1	0	ECI 4	23.13	24.00
132572	132774	QPSK	1	0	0	0	1	0	ECI 4	23.03	24.00
132072	132270	QPSK	1	0	0	0	1	0	ECI 6	20.46	21.50
132322	132520	QPSK	1	0	0	0	1	0	ECI 6	20.55	21.50
132572	132774	QPSK	1	0	0	0	1	0	ECI 6	20.43	21.50
132072	132270	QPSK	1	0	0	0	1	0	ECI 7	16.47	17.50
132322	132520	QPSK	1	0	0	0	1	0	ECI 7	16.54	17.50
132572	132774	QPSK	1	0	0	0	1	0	ECI 7	16.50	17.50

CA_66C_Ant 4											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Turn up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	0	0	0	1	0	Full	22.93	24.00
132322	132520	QPSK	1	0	0	0	1	0	Full	23.00	24.00
132572	132774	QPSK	1	0	0	0	1	0	Full	22.84	24.00
132072	132270	QPSK	1	0	0	0	1	0	ECI2	22.93	24.00
132322	132520	QPSK	1	0	0	0	1	0	ECI2	23.00	24.00
132572	132774	QPSK	1	0	0	0	1	0	ECI2	22.84	24.00
132072	132270	QPSK	1	0	0	0	1	0	ECI3	22.93	24.00
132322	132520	QPSK	1	0	0	0	1	0	ECI3	23.00	24.00
132572	132774	QPSK	1	0	0	0	1	0	ECI3	22.84	24.00
132072	132270	QPSK	1	0	0	0	1	0	ECI4	22.93	24.00
132322	132520	QPSK	1	0	0	0	1	0	ECI4	23.00	24.00
132572	132774	QPSK	1	0	0	0	1	0	ECI4	22.84	24.00
132072	132270	QPSK	1	0	0	0	1	0	ECI6	22.93	24.00
132322	132520	QPSK	1	0	0	0	1	0	ECI6	23.00	24.00
132572	132774	QPSK	1	0	0	0	1	0	ECI6	22.84	24.00
132072	132270	QPSK	1	0	0	0	1	0	ECI7	20.89	22.00
132322	132520	QPSK	1	0	0	0	1	0	ECI7	20.90	22.00
132572	132774	QPSK	1	0	0	0	1	0	ECI7	20.74	22.00

CA_38C_Ant 2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level	Power Reduction	Measured Power (dBm)	Turn up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	Full	22.97	24.00
37901	38099	QPSK	1	0	0	0	1	0	Full	23.04	24.00
38150	37952	QPSK	1	0	0	0	1	0	Full	23.02	24.00
37850	38048	QPSK	1	0	0	0	1	0	ECI2	22.97	24.00
37901	38099	QPSK	1	0	0	0	1	0	ECI2	23.04	24.00
38150	37952	QPSK	1	0	0	0	1	0	ECI2	23.02	24.00
37850	38048	QPSK	1	0	0	0	1	0	ECI3	19.83	21.00
37901	38099	QPSK	1	0	0	0	1	0	ECI3	19.97	21.00
38150	37952	QPSK	1	0	0	0	1	0	ECI3	19.85	21.00
37850	38048	QPSK	1	0	0	0	1	0	ECI4	22.97	24.00
37901	38099	QPSK	1	0	0	0	1	0	ECI4	23.04	24.00
38150	37952	QPSK	1	0	0	0	1	0	ECI4	23.02	24.00
37850	38048	QPSK	1	0	0	0	1	0	ECI6	21.86	23.00
37901	38099	QPSK	1	0	0	0	1	0	ECI6	21.94	23.00
38150	37952	QPSK	1	0	0	0	1	0	ECI6	21.91	23.00
37850	38048	QPSK	1	0	0	0	1	0	ECI7	19.83	21.00
37901	38099	QPSK	1	0	0	0	1	0	ECI7	19.97	21.00
38150	37952	QPSK	1	0	0	0	1	0	ECI7	19.85	21.00

CA_38C_Ant 8											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Turn up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	Full	23.03	24.00
37901	38099	QPSK	1	0	0	0	1	0	Full	23.09	24.00
38150	37952	QPSK	1	0	0	0	1	0	Full	23.01	24.00
37850	38048	QPSK	1	0	0	0	1	0	ECI 2	18.94	20.00
37901	38099	QPSK	1	0	0	0	1	0	ECI 2	19.05	20.00
38150	37952	QPSK	1	0	0	0	1	0	ECI 2	18.86	20.00
37850	38048	QPSK	1	0	0	0	1	0	ECI 3	19.98	21.00
37901	38099	QPSK	1	0	0	0	1	0	ECI 3	20.07	21.00
38150	37952	QPSK	1	0	0	0	1	0	ECI 3	19.89	21.00
37850	38048	QPSK	1	0	0	0	1	0	ECI 4	23.05	24.00
37901	38099	QPSK	1	0	0	0	1	0	ECI 4	23.09	24.00
38150	37952	QPSK	1	0	0	0	1	0	ECI 4	23.01	24.00
37850	38048	QPSK	1	0	0	0	1	0	ECI 6	23.03	24.00
37901	38099	QPSK	1	0	0	0	1	0	ECI 6	23.09	24.00
38150	37952	QPSK	1	0	0	0	1	0	ECI 6	23.01	24.00
37850	38048	QPSK	1	0	0	0	1	0	ECI 7	18.94	20.00
37901	38099	QPSK	1	0	0	0	1	0	ECI 7	19.05	20.00
38150	37952	QPSK	1	0	0	0	1	0	ECI 7	18.86	20.00

CA_38C_Ant 9											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Turn up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	Full	23.12	24.00
37901	38089	QPSK	1	0	0	0	1	0	Full	23.14	24.00
38150	37952	QPSK	1	0	0	0	1	0	Full	23.07	24.00
37850	38048	QPSK	1	0	0	0	1	0	ECI2	21.48	22.50
37901	38089	QPSK	1	0	0	0	1	0	ECI2	21.52	22.50
38150	37952	QPSK	1	0	0	0	1	0	ECI2	21.47	22.50
37850	38048	QPSK	1	0	0	0	1	0	ECI3	22.26	23.00
37901	38089	QPSK	1	0	0	0	1	0	ECI3	22.10	23.00
38150	37952	QPSK	1	0	0	0	1	0	ECI3	21.93	23.00
37400	38048	QPSK	1	0	0	0	1	0	ECI4	23.14	24.00
37901	38089	QPSK	1	0	0	0	1	0	ECI4	23.14	24.00
38150	37952	QPSK	1	0	0	0	1	0	ECI4	23.07	24.00
37850	38048	QPSK	1	0	0	0	1	0	ECI6	23.12	24.00
37901	38089	QPSK	1	0	0	0	1	0	ECI6	23.14	24.00
38150	37952	QPSK	1	0	0	0	1	0	ECI6	23.07	24.00
37850	38048	QPSK	1	0	0	0	1	0	ECI7	18.02	19.00
37901	38089	QPSK	1	0	0	0	1	0	ECI7	18.08	19.00
38150	37952	QPSK	1	0	0	0	1	0	ECI7	17.96	19.00

CA 41C Ant 2 PC3											
PCC Channel	SCC Channel	Modulation	Combination 20MHz+20MHz (100RB+100RB)						Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			PCC		SCC		Total RB Size	Target MPR Level (dB)			
			RB Size	RB offset	RB Size	RB offset					
39750	39648	QPSK	1	0	0	0	1	0	Full	23.15	24.00
40185	40383	QPSK	1	0	0	0	1	0	Full	23.18	24.00
40620	40818	QPSK	1	0	0	0	1	0	Full	23.28	24.00
41055	41253	QPSK	1	0	0	0	1	0	Full	23.59	24.00
41490	41292	QPSK	1	0	0	0	1	0	Full	23.05	24.00
39750	39648	QPSK	1	0	0	0	1	0	ECI 2	23.15	24.00
40185	40383	QPSK	1	0	0	0	1	0	ECI 2	23.18	24.00
40620	40818	QPSK	1	0	0	0	1	0	ECI 2	23.28	24.00
41055	41253	QPSK	1	0	0	0	1	0	ECI 2	23.59	24.00
41490	41292	QPSK	1	0	0	0	1	0	ECI 2	23.05	24.00
39750	39648	QPSK	1	0	0	0	1	0	ECI 3	20.13	21.00
40185	40383	QPSK	1	0	0	0	1	0	ECI 3	20.04	21.00
40620	40818	QPSK	1	0	0	0	1	0	ECI 3	20.07	21.00
41055	41253	QPSK	1	0	0	0	1	0	ECI 3	19.98	21.00
41490	41292	QPSK	1	0	0	0	1	0	ECI 3	20.03	21.00
39750	39648	QPSK	1	0	0	0	1	0	ECI 4	23.15	24.00
40185	40383	QPSK	1	0	0	0	1	0	ECI 4	23.18	24.00
40620	40818	QPSK	1	0	0	0	1	0	ECI 4	23.28	24.00
41055	41253	QPSK	1	0	0	0	1	0	ECI 4	23.59	24.00
41490	41292	QPSK	1	0	0	0	1	0	ECI 4	23.05	24.00
39750	39648	QPSK	1	0	0	0	1	0	ECI 6	22.14	23.00
40185	40383	QPSK	1	0	0	0	1	0	ECI 6	22.17	23.00
40620	40818	QPSK	1	0	0	0	1	0	ECI 6	22.19	23.00
41055	41253	QPSK	1	0	0	0	1	0	ECI 6	21.99	23.00
41490	41292	QPSK	1	0	0	0	1	0	ECI 6	21.97	23.00
39750	39648	QPSK	1	0	0	0	1	0	ECI 7	19.93	21.00
40185	40383	QPSK	1	0	0	0	1	0	ECI 7	19.84	21.00
40620	40818	QPSK	1	0	0	0	1	0	ECI 7	20.07	21.00
41055	41253	QPSK	1	0	0	0	1	0	ECI 7	19.78	21.00
41490	41292	QPSK	1	0	0	0	1	0	ECI 7	19.83	21.00

CA 41C_Ant 8_PC3											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39648	QPSK	1	0	0	0	1	0	Full	22.87	24.00
40185	40383	QPSK	1	0	0	0	1	0	Full	23.12	24.00
40620	40818	QPSK	1	0	0	0	1	0	Full	23.19	24.00
41055	41253	QPSK	1	0	0	0	1	0	Full	22.74	24.00
41490	41292	QPSK	1	0	0	0	1	0	Full	22.81	24.00
39750	39648	QPSK	1	0	0	0	1	0	ECI 2	18.86	20.00
40185	40383	QPSK	1	0	0	0	1	0	ECI 2	19.03	20.00
40620	40818	QPSK	1	0	0	0	1	0	ECI 2	19.10	20.00
41055	41253	QPSK	1	0	0	0	1	0	ECI 2	18.80	20.00
41490	41292	QPSK	1	0	0	0	1	0	ECI 2	18.75	20.00
39750	39648	QPSK	1	0	0	0	1	0	ECI 3	19.86	21.00
40185	40383	QPSK	1	0	0	0	1	0	ECI 3	20.03	21.00
40620	40818	QPSK	1	0	0	0	1	0	ECI 3	20.08	21.00
41055	41253	QPSK	1	0	0	0	1	0	ECI 3	19.82	21.00
41490	41292	QPSK	1	0	0	0	1	0	ECI 3	19.87	21.00
39750	39648	QPSK	1	0	0	0	1	0	ECI 4	22.87	24.00
40185	40383	QPSK	1	0	0	0	1	0	ECI 4	23.12	24.00
40620	40818	QPSK	1	0	0	0	1	0	ECI 4	23.19	24.00
41055	41253	QPSK	1	0	0	0	1	0	ECI 4	22.74	24.00
41490	41292	QPSK	1	0	0	0	1	0	ECI 4	22.81	24.00
39750	39648	QPSK	1	0	0	0	1	0	ECI 6	22.87	24.00
40185	40383	QPSK	1	0	0	0	1	0	ECI 6	23.12	24.00
40620	40818	QPSK	1	0	0	0	1	0	ECI 6	23.19	24.00
41055	41253	QPSK	1	0	0	0	1	0	ECI 6	22.74	24.00
41490	41292	QPSK	1	0	0	0	1	0	ECI 6	22.81	24.00
39750	39648	QPSK	1	0	0	0	1	0	ECI 7	18.86	20.00
40185	40383	QPSK	1	0	0	0	1	0	ECI 7	19.03	20.00
40620	40818	QPSK	1	0	0	0	1	0	ECI 7	19.10	20.00
41055	41253	QPSK	1	0	0	0	1	0	ECI 7	18.80	20.00
41490	41292	QPSK	1	0	0	0	1	0	ECI 7	18.75	20.00

CA 41C Ant 9 PC3											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39648	QPSK	1	0	0	0	1	0	Full	23.31	24.00
40185	40383	QPSK	1	0	0	0	1	0	Full	23.20	24.00
40620	40818	QPSK	1	0	0	0	1	0	Full	23.36	24.00
41055	41253	QPSK	1	0	0	0	1	0	Full	23.19	24.00
41490	41292	QPSK	1	0	0	0	1	0	Full	22.85	24.00
39750	39648	QPSK	1	0	0	0	1	0	ECI 2	21.49	22.50
40185	40383	QPSK	1	0	0	0	1	0	ECI 2	21.39	22.50
40620	40818	QPSK	1	0	0	0	1	0	ECI 2	21.55	22.50
41055	41253	QPSK	1	0	0	0	1	0	ECI 2	21.07	22.50
41490	41292	QPSK	1	0	0	0	1	0	ECI 2	21.43	22.50
39750	39648	QPSK	1	0	0	0	1	0	ECI 3	22.29	23.00
40185	40383	QPSK	1	0	0	0	1	0	ECI 3	22.06	23.00
40620	40818	QPSK	1	0	0	0	1	0	ECI 3	22.31	23.00
41055	41253	QPSK	1	0	0	0	1	0	ECI 3	22.15	23.00
41490	41292	QPSK	1	0	0	0	1	0	ECI 3	21.70	23.00
39750	39648	QPSK	1	0	0	0	1	0	ECI 4	23.31	24.00
40185	40383	QPSK	1	0	0	0	1	0	ECI 4	23.20	24.00
40620	40818	QPSK	1	0	0	0	1	0	ECI 4	23.30	24.00
41055	41253	QPSK	1	0	0	0	1	0	ECI 4	23.19	24.00
41490	41292	QPSK	1	0	0	0	1	0	ECI 4	23.38	24.00
39750	39648	QPSK	1	0	0	0	1	0	ECI 6	23.19	24.00
40185	40383	QPSK	1	0	0	0	1	0	ECI 6	23.20	24.00
40620	40818	QPSK	1	0	0	0	1	0	ECI 6	23.36	24.00
41055	41253	QPSK	1	0	0	0	1	0	ECI 6	23.19	24.00
41490	41292	QPSK	1	0	0	0	1	0	ECI 6	22.85	24.00
39750	39648	QPSK	1	0	0	0	1	0	ECI 7	17.98	19.00
40185	40383	QPSK	1	0	0	0	1	0	ECI 7	17.99	19.00
40620	40818	QPSK	1	0	0	0	1	0	ECI 7	18.04	19.00
41055	41253	QPSK	1	0	0	0	1	0	ECI 7	17.84	19.00
41490	41292	QPSK	1	0	0	0	1	0	ECI 7	17.90	19.00

CA 41C_Ant 2_PC2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target Tone Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39648	QPSK	1	0	0	0	1	0	Full	26.11	27.00
40185	40383	QPSK	1	0	0	0	1	0	Full	26.07	27.00
40620	40818	QPSK	1	0	0	0	1	0	Full	26.12	27.00
41055	41253	QPSK	1	0	0	0	1	0	Full	25.95	27.00
41490	41292	QPSK	1	0	0	0	1	0	Full	25.90	27.00
39750	39648	QPSK	1	0	0	0	1	0	ECI 2	26.11	27.00
40185	40383	QPSK	1	0	0	0	1	0	ECI 2	26.07	27.00
40620	40818	QPSK	1	0	0	0	1	0	ECI 2	26.12	27.00
41055	41253	QPSK	1	0	0	0	1	0	ECI 2	25.95	27.00
41490	41292	QPSK	1	0	0	0	1	0	ECI 2	25.90	27.00
39750	39648	QPSK	1	0	0	0	1	0	ECI 3	21.64	22.60
40185	40383	QPSK	1	0	0	0	1	0	ECI 3	21.66	22.60
40620	40818	QPSK	1	0	0	0	1	0	ECI 3	21.79	22.60
41055	41253	QPSK	1	0	0	0	1	0	ECI 3	21.48	22.60
41490	41292	QPSK	1	0	0	0	1	0	ECI 3	21.40	22.60
39750	39648	QPSK	1	0	0	0	1	0	ECI 4	26.11	27.00
40185	40383	QPSK	1	0	0	0	1	0	ECI 4	26.07	27.00
40620	40818	QPSK	1	0	0	0	1	0	ECI 4	26.12	27.00
41055	41253	QPSK	1	0	0	0	1	0	ECI 4	25.95	27.00
41490	41292	QPSK	1	0	0	0	1	0	ECI 4	25.90	27.00
39750	39648	QPSK	1	0	0	0	1	0	ECI 6	23.58	24.60
40185	40383	QPSK	1	0	0	0	1	0	ECI 6	23.62	25.00
40620	40818	QPSK	1	0	0	0	1	0	ECI 6	23.66	24.60
41055	41253	QPSK	1	0	0	0	1	0	ECI 6	23.48	24.60
41490	41292	QPSK	1	0	0	0	1	0	ECI 6	23.46	24.60
39750	39648	QPSK	1	0	0	0	1	0	ECI 7	21.64	22.60
40185	40383	QPSK	1	0	0	0	1	0	ECI 7	21.66	22.60
40620	40818	QPSK	1	0	0	0	1	0	ECI 7	21.77	22.60
41055	41253	QPSK	1	0	0	0	1	0	ECI 7	21.48	22.60
41490	41292	QPSK	1	0	0	0	1	0	ECI 7	21.40	22.60

CA_42C_Ant 4											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Turn up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
42190	42388	QPSK	1	0	0	0	1	0	Full	22.68	24.00
42590	42788	QPSK	1	0	0	0	1	0	Full	22.71	24.00
42590	42792	QPSK	1	0	0	0	1	0	Full	22.59	24.00
42190	42388	QPSK	1	0	0	0	1	0	ECI2	17.43	19.00
42590	42788	QPSK	1	0	0	0	1	0	ECI2	17.49	19.00
42590	42792	QPSK	1	0	0	0	1	0	ECI2	17.37	19.00
42190	42388	QPSK	1	0	0	0	1	0	ECI3	20.33	22.00
42590	42788	QPSK	1	0	0	0	1	0	ECI3	20.44	22.00
42590	42792	QPSK	1	0	0	0	1	0	ECI3	20.38	22.00
42190	42388	QPSK	1	0	0	0	1	0	ECI4	22.68	24.00
42590	42788	QPSK	1	0	0	0	1	0	ECI4	22.71	24.00
42590	42792	QPSK	1	0	0	0	1	0	ECI4	22.59	24.00
42190	42388	QPSK	1	0	0	0	1	0	ECI6	21.95	23.00
42590	42788	QPSK	1	0	0	0	1	0	ECI6	21.92	23.00
42590	42792	QPSK	1	0	0	0	1	0	ECI6	21.54	23.00
42190	42388	QPSK	1	0	0	0	1	0	ECI7	18.76	18.50
42590	42788	QPSK	1	0	0	0	1	0	ECI7	18.89	18.50
42590	42792	QPSK	1	0	0	0	1	0	ECI7	18.78	18.50

CA_42C_Ant 5											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Turn up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
42190	42388	QPSK	1	0	0	0	1	0	Full	22.98	24.00
42590	42788	QPSK	1	0	0	0	1	0	Full	23.03	24.00
42590	42792	QPSK	1	0	0	0	1	0	Full	22.91	24.00
42190	42388	QPSK	1	0	0	0	1	0	ECI2	19.33	20.50
42590	42788	QPSK	1	0	0	0	1	0	ECI2	19.52	20.50
42590	42792	QPSK	1	0	0	0	1	0	ECI2	19.39	20.50
42190	42388	QPSK	1	0	0	0	1	0	ECI3	21.95	23.00
42590	42788	QPSK	1	0	0	0	1	0	ECI3	21.97	23.00
42590	42792	QPSK	1	0	0	0	1	0	ECI3	21.89	23.00
42190	42388	QPSK	1	0	0	0	1	0	ECI4	22.98	24.00
42590	42788	QPSK	1	0	0	0	1	0	ECI4	23.03	24.00
42590	42792	QPSK	1	0	0	0	1	0	ECI4	22.91	24.00
42190	42388	QPSK	1	0	0	0	1	0	ECI6	22.58	24.00
42590	42788	QPSK	1	0	0	0	1	0	ECI6	23.03	24.00
42590	42792	QPSK	1	0	0	0	1	0	ECI6	22.91	24.00
42190	42388	QPSK	1	0	0	0	1	0	ECI7	20.42	21.50
42590	42788	QPSK	1	0	0	0	1	0	ECI7	20.45	21.50
42590	42792	QPSK	1	0	0	0	1	0	ECI7	20.34	21.50

CA_42C_Ant 7											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Turn up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
42190	42388	QPSK	1	0	0	0	1	0	Full	23.01	24.00
42590	42788	QPSK	1	0	0	0	1	0	Full	23.08	24.00
42590	42792	QPSK	1	0	0	0	1	0	Full	22.83	24.00
42190	42388	QPSK	1	0	0	0	1	0	ECI2	23.01	24.00
42590	42788	QPSK	1	0	0	0	1	0	ECI2	23.06	24.00
42590	42792	QPSK	1	0	0	0	1	0	ECI2	22.83	24.00
42190	42388	QPSK	1	0	0	0	1	0	ECI3	23.01	24.00
42590	42788	QPSK	1	0	0	0	1	0	ECI3	23.06	24.00
42590	42792	QPSK	1	0	0	0	1	0	ECI3	22.83	24.00
42190	42388	QPSK	1	0	0	0	1	0	ECI4	23.01	24.00
42590	42788	QPSK	1	0	0	0	1	0	ECI4	23.06	24.00
42590	42792	QPSK	1	0	0	0	1	0	ECI4	22.83	24.00
42190	42388	QPSK	1	0	0	0	1	0	ECI6	23.01	24.00
42590	42788	QPSK	1	0	0	0	1	0	ECI6	23.06	24.00
42590	42792	QPSK	1	0	0	0	1	0	ECI6	22.83	24.00
42190	42388	QPSK	1	0	0	0	1	0	ECI7	21.96	23.00
42590	42788	QPSK	1	0	0	0	1	0	ECI7	22.04	23.00
42590	42792	QPSK	1	0	0	0	1	0	ECI7	21.81	23.00

CA_42C_Ant 11											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Turn up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
42190	42388	QPSK	1	0	0	0	1	0	Full	22.97	24.00
42590	42788	QPSK	1	0	0	0	1	0	Full	23.05	24.00
42590	42792	QPSK	1	0	0	0	1	0	Full	22.85	24.00
42190	42388	QPSK	1	0	0	0	1	0	ECI2	22.97	24.00
42590	42788	QPSK	1	0	0	0	1	0	ECI2	23.05	24.00
42590	42792	QPSK	1	0	0	0	1	0	ECI2	22.85	24.00
42190	42388	QPSK	1	0	0	0	1	0	ECI3	19.63	21.00
42590	42788	QPSK	1	0	0	0	1	0	ECI3	19.63	21.00
42590	42792	QPSK	1	0	0	0	1	0	ECI3	19.57	21.00
42190	42388	QPSK	1	0	0	0	1	0	ECI4	22.97	24.00
42590	42788	QPSK	1	0	0	0	1	0	ECI4	23.05	24.00
42590	42792	QPSK	1	0	0	0	1	0	ECI4	22.85	24.00
42190	42388	QPSK	1	0	0	0	1	0	ECI6	21.87	23.00
42590	42788	QPSK	1	0	0	0	1	0	ECI6	21.90	23.00
42590	42792	QPSK	1	0	0	0	1	0	ECI6	21.73	23.00
42190	42388	QPSK	1	0	0	0	1	0	ECI7	18.85	18.00
42590	42788	QPSK	1	0	0	0	1	0	ECI7	18.90	18.00
42590	42792	QPSK	1	0	0	0	1	0	ECI7	18.79	18.00