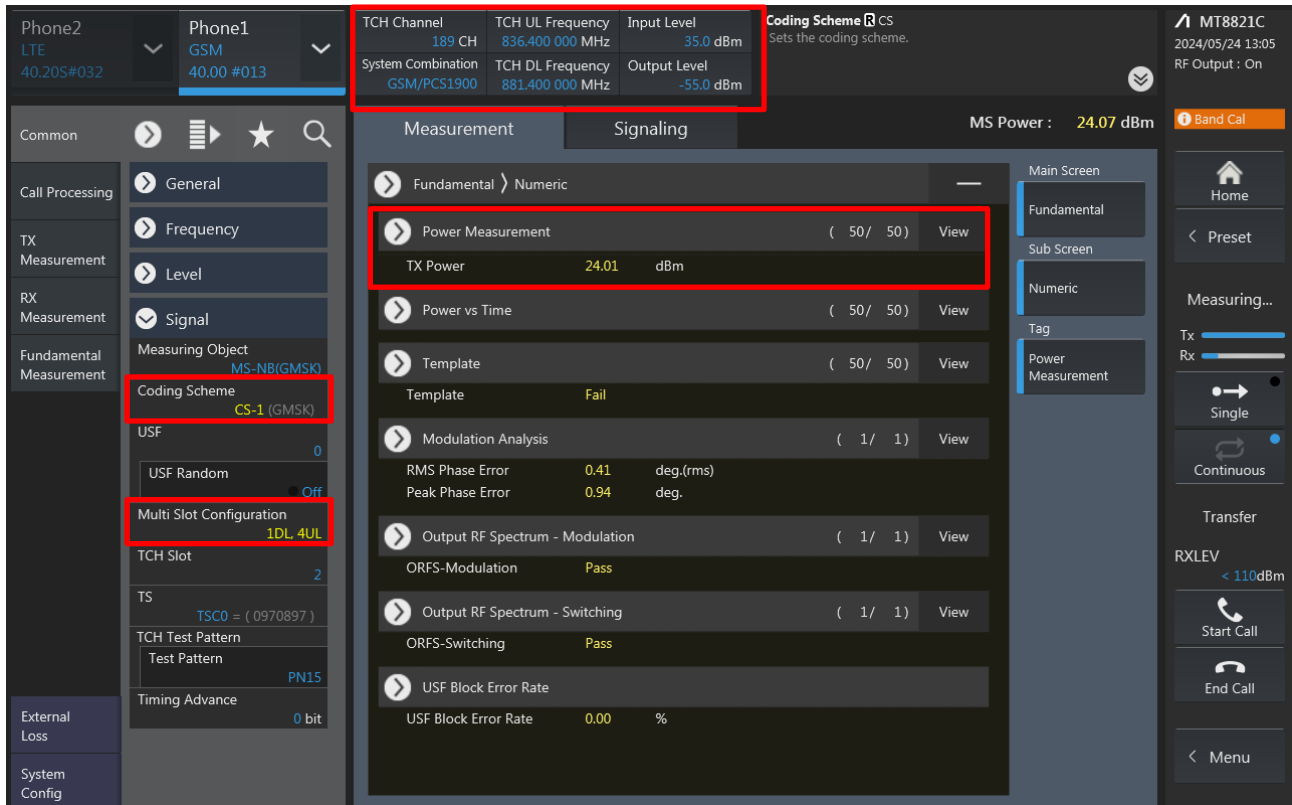


Power measurement connection diagram:

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.

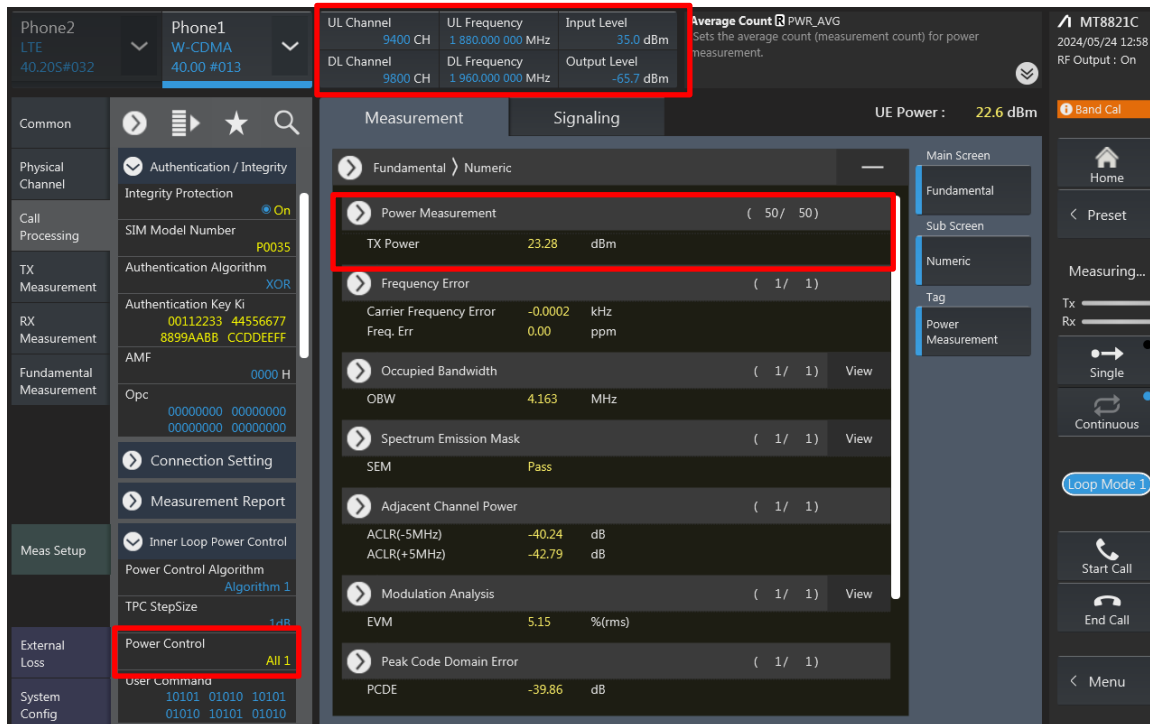
<GSM>



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

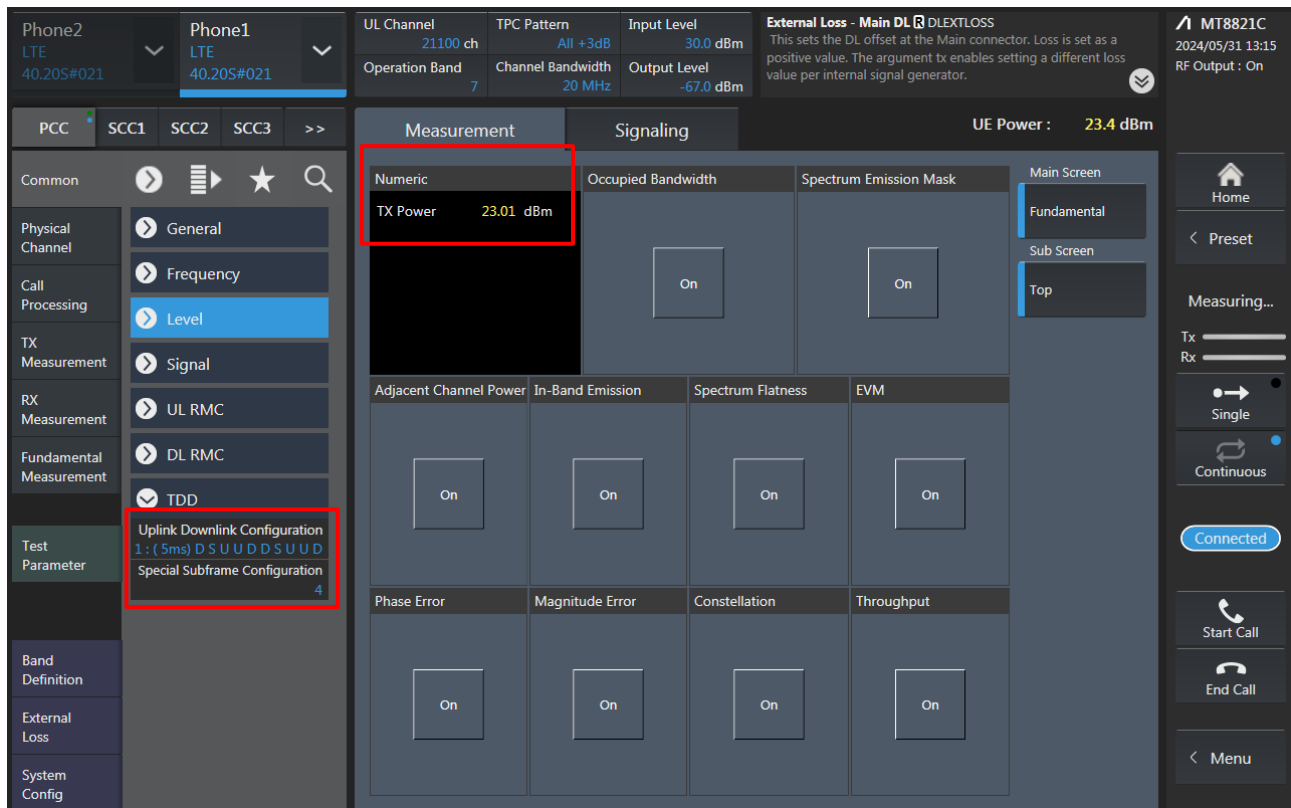
- Top Bar:** Shows Phone2 (LTE, 40.205#032) and Phone1 (GSM, 40.00 #013). It also displays TCH Channel (189 CH), TCH UL Frequency (836.400 000 MHz), Input Level (35.0 dBm), TCH DL Frequency (881.400 000 MHz), and Output Level (-55.0 dBm). The Coding Scheme is set to CS.
- Left Sidebar:** Contains navigation 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>

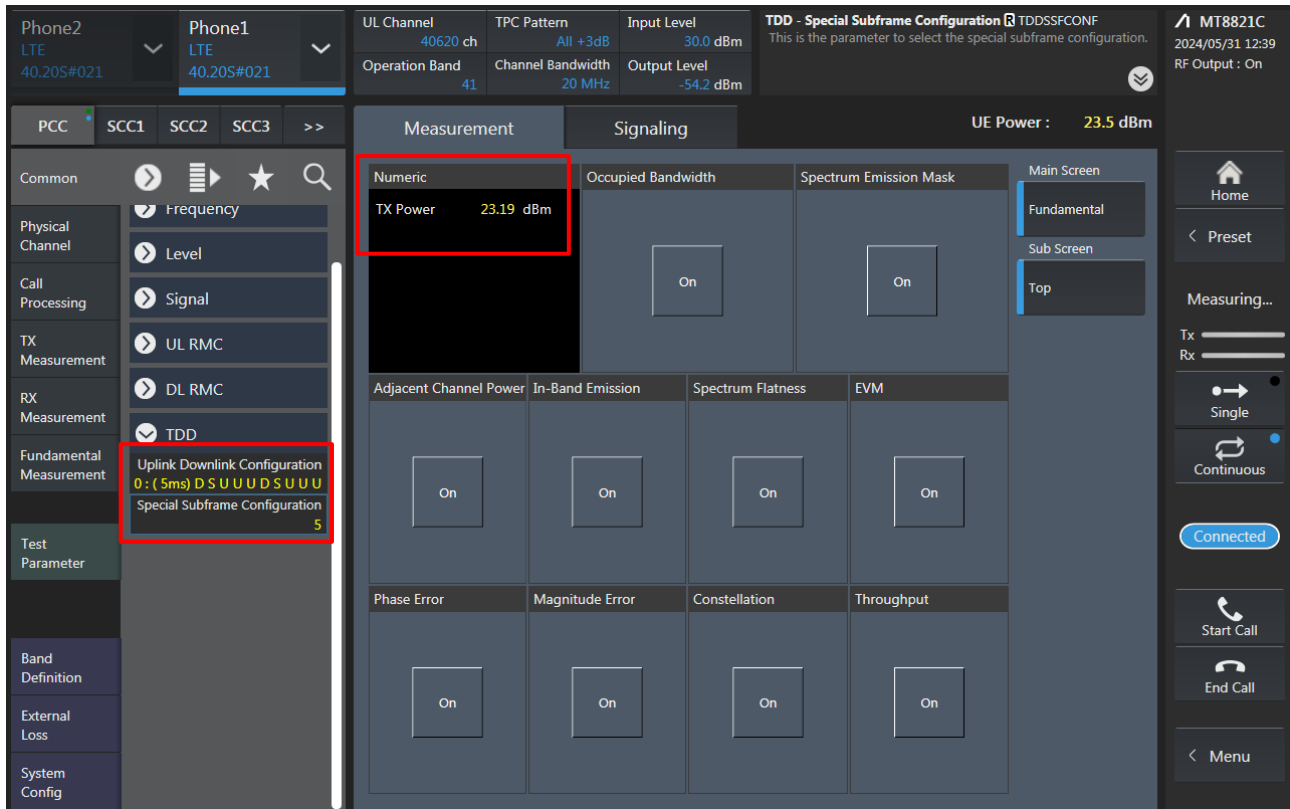


The screenshot shows the WCDMA measurement interface. The top bar displays 'Phone2 LTE 40.20S#032' and 'Phone1 W-CDMA 40.00 #013'. The 'Measurement' tab is active, showing 'Fundamental' and 'Numeric' views. The 'Power Measurement' section is highlighted with a red box, showing 'TX Power' at 23.28 dBm. 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 'Band Cal' button is visible on the right. The 'Meas Setup' section on the left shows 'Power Control' set to 'All 1'.

<LTE>



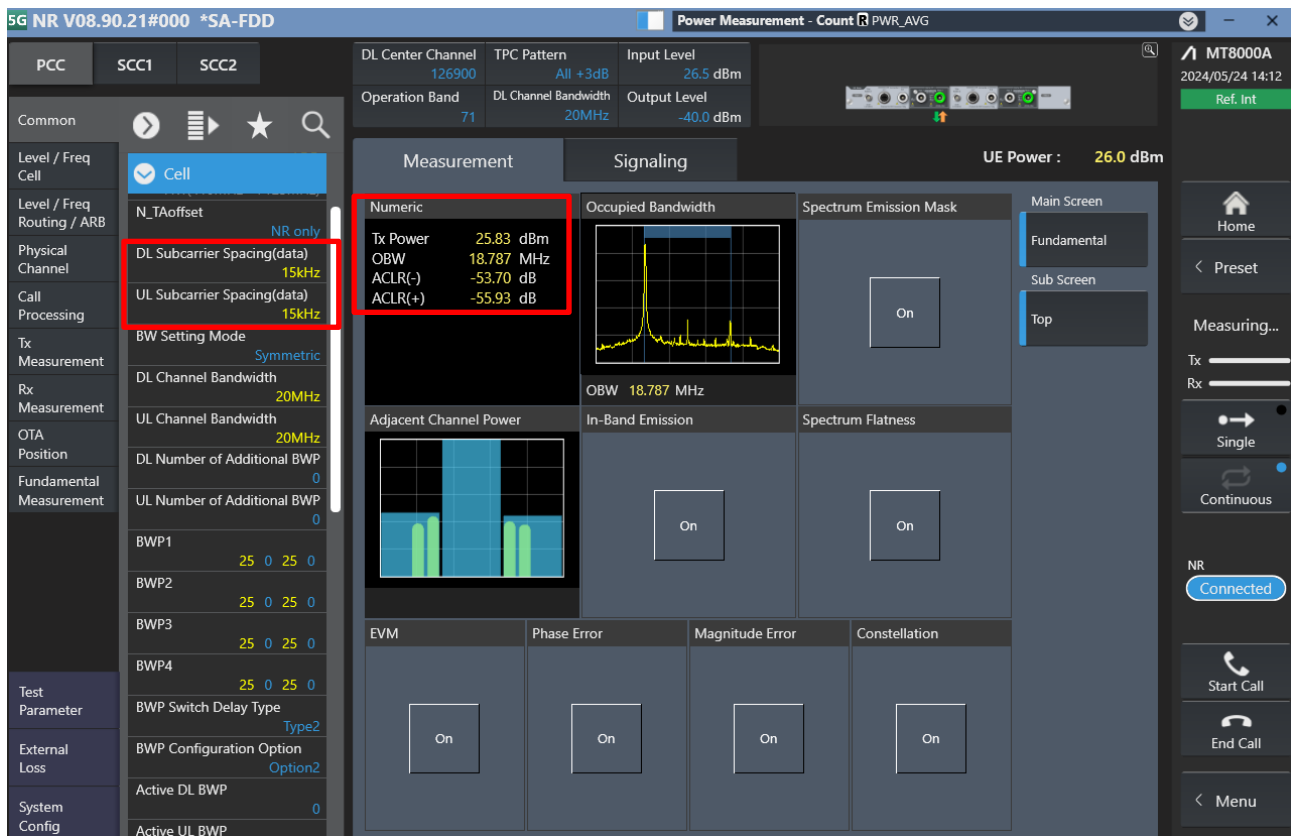
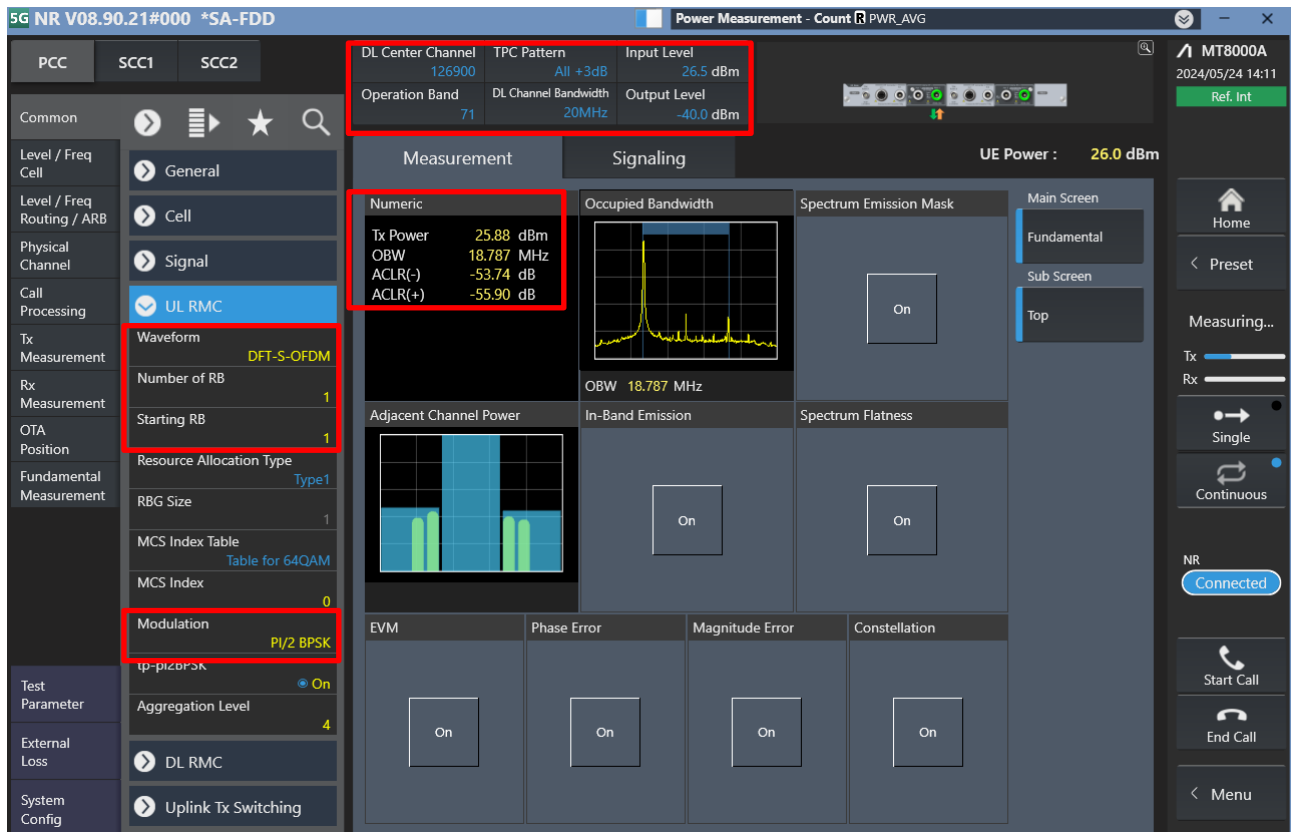
The screenshot shows the LTE measurement interface. The top bar displays 'Phone2 LTE 40.20S#021' and 'Phone1 LTE 40.20S#021'. The 'Measurement' tab is active, showing 'Numeric' and 'Occupied Bandwidth' views. The 'Power Measurement' section is highlighted with a red box, showing 'TX Power' at 23.01 dBm. 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 'Band Cal' button is visible on the right. The 'Meas Setup' section on the left shows 'Uplink Downlink Configuration' set to '1: (5ms) D S U U D D S U U D' and 'Special Subframe Configuration' set to '4'.

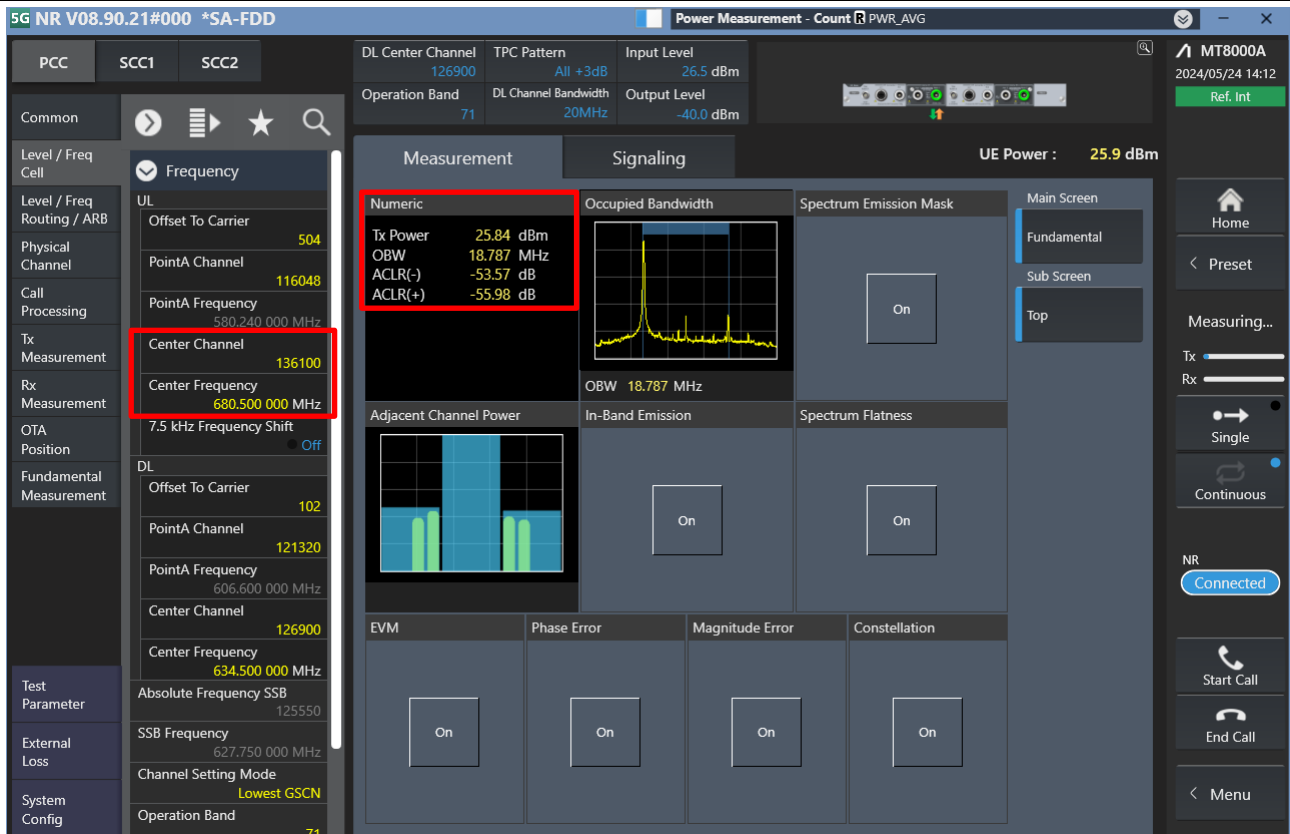
<LTE TDD Power class 3>

The screenshot displays the SPORTON LAB. LTE TDD Power class 3 configuration interface. The interface is divided into several sections:

- Top Bar:** Shows Phone2 (LTE, 40.20S#021) and Phone1 (LTE, 40.20S#021). It also displays UL Channel (40620 ch), TPC Pattern (All +3dB), Input Level (30.0 dBm), and Output Level (-54.2 dBm). The TDD - Special Subframe Configuration is set to TDDSSFCNF, and the MT8821C RF Output is On.
- Left Sidebar:** Contains navigation options: PCC, SCC1, SCC2, SCC3, and >>. It also has a search icon and a list of measurement options: Common, Frequency, Level, Signal, UL RMC, DL RMC, TDD, Uplink Downlink Configuration, Special Subframe Configuration, Test Parameter, Band Definition, External Loss, and System Config.
- Main Area:** Divided into Measurement and Signaling sections. The Measurement section shows TX Power (23.19 dBm) and Occupied Bandwidth. The Signaling section shows Spectrum Emission Mask and Spectrum Flatness. The Uplink Downlink Configuration is set to 0 : (5ms) D S U U U D S U U U, and the Special Subframe Configuration is set to 5.
- Right Sidebar:** Contains a Home button, a Preset button, a Measuring... button, and a Connected button. It also shows Tx and Rx power levels and a Start Call button.

<5G NR FR1>





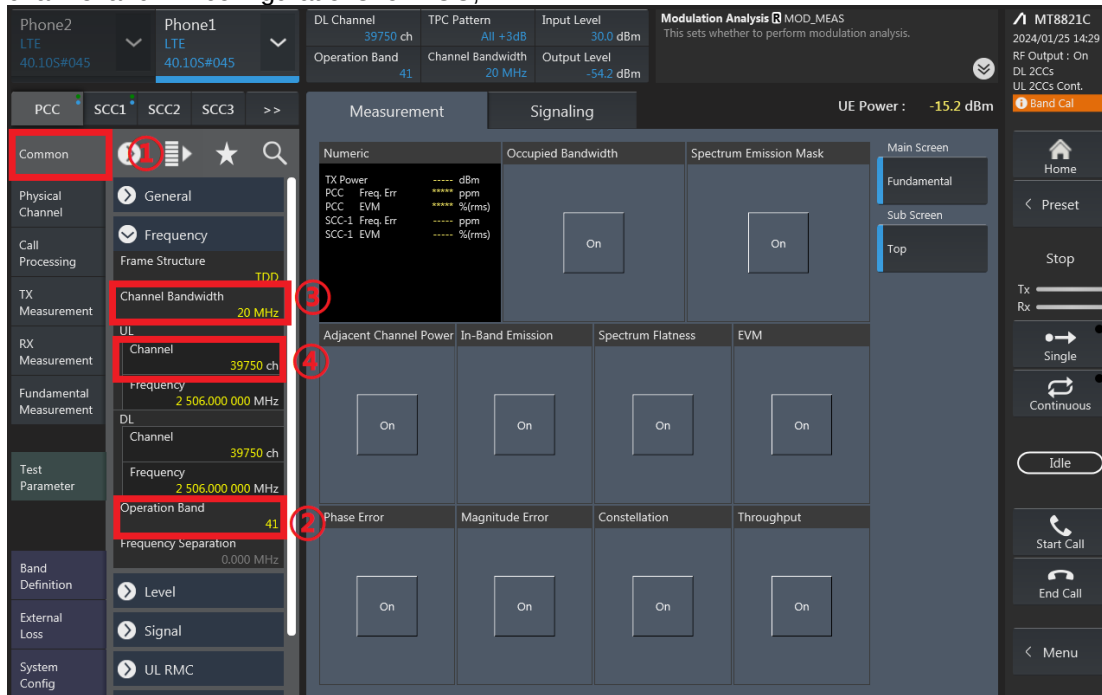
1. Change the Scenario in the Configuration of Phone1 LTE Signaling and Preset.



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 1

Physical Channel General

Call Processing Frequency

TX Measurement Channel Bandwidth 20 MHz 3

RX Measurement Channel 39750 ch 4

Fundamental Measurement Frequency 2 506.000 000 MHz

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

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 PPM PCC EVM dBm PPM SCC-1 Freq. Err. dBm PPM SCC-1 EVM dBm PPM

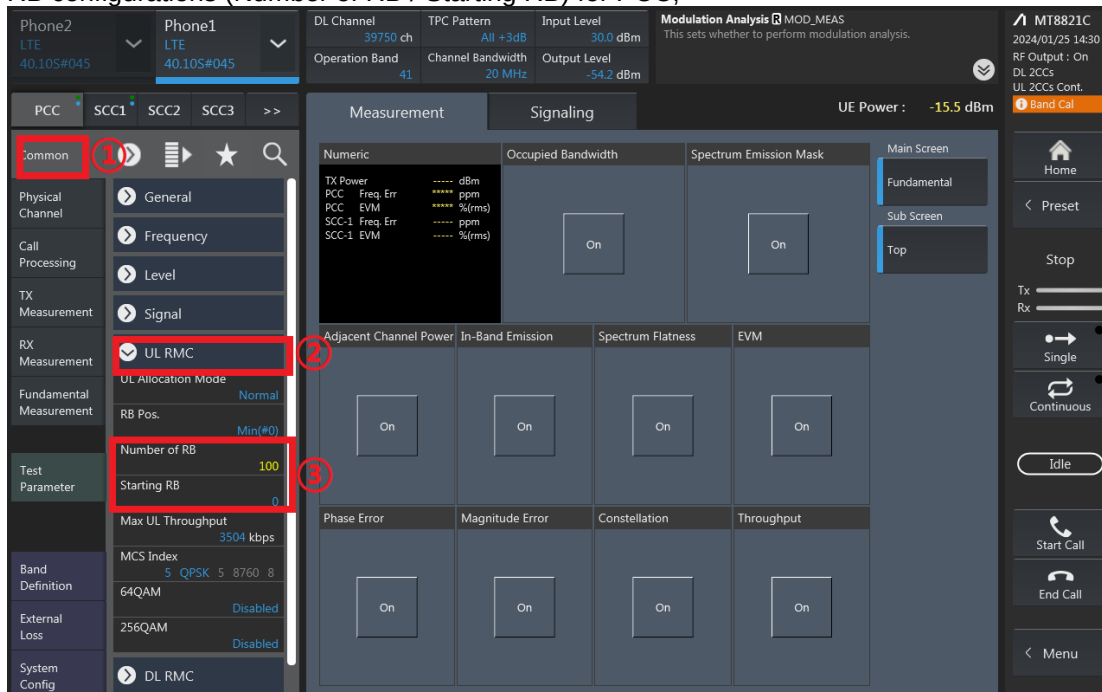
Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

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 1

Physical Channel General

Call Processing Frequency

TX Measurement Level

RX Measurement Signal

Fundamental Measurement UL RMC 2

UL Allocation Mode Normal

RB Pos. Min(#0)

Test Parameter Number of RB 100 3

Starting RB 0

Max UL Throughput 3504 kbps

Band Definition MCS Index 5 QPSK 5 8760 8

External Loss 64QAM Disabled

System Config 256QAM Disabled DL RMC

Numeric Occupied Bandwidth Spectrum Emission Mask

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

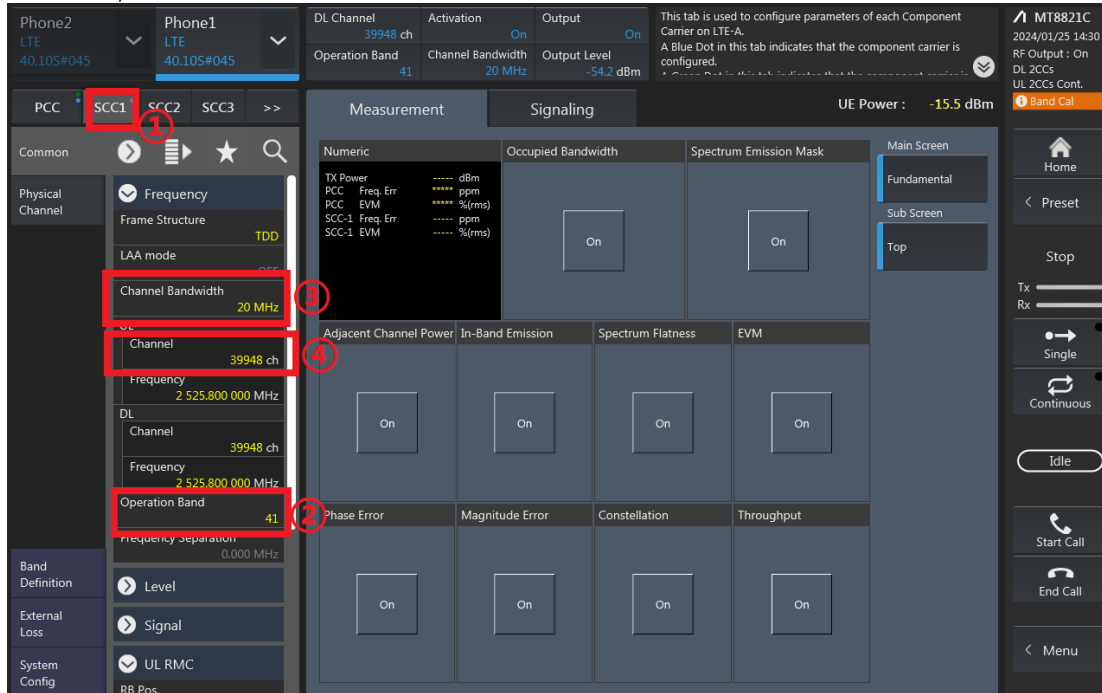
Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

Phase Error Magnitude Error Constellation Throughput

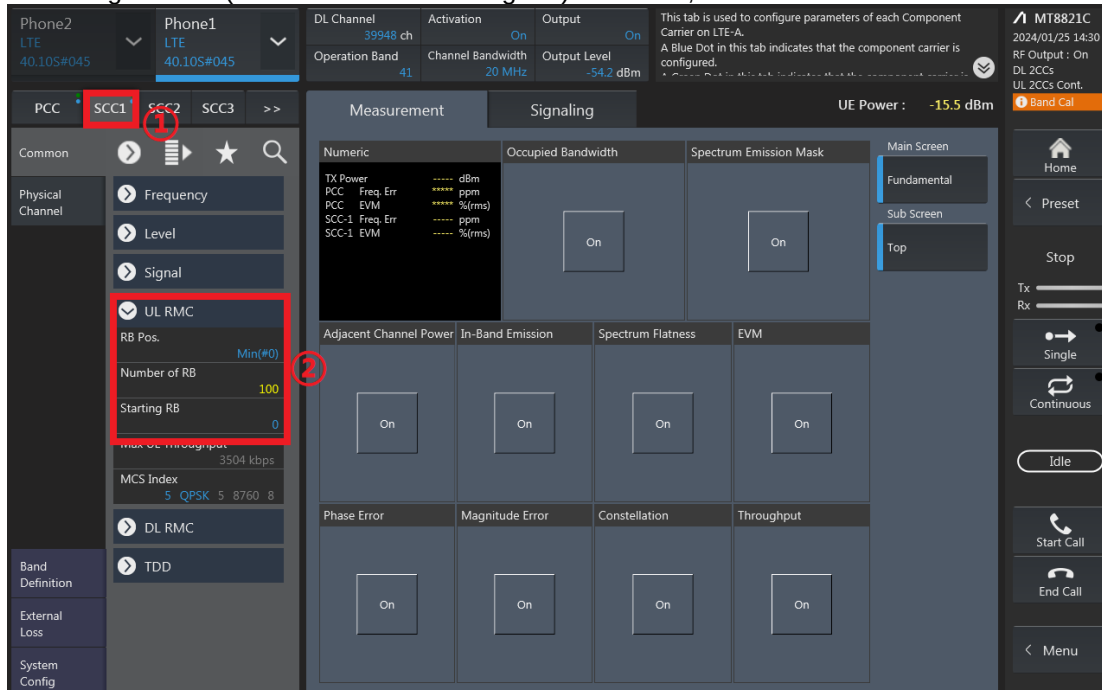
Main Screen Fundamental Sub Screen Top

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

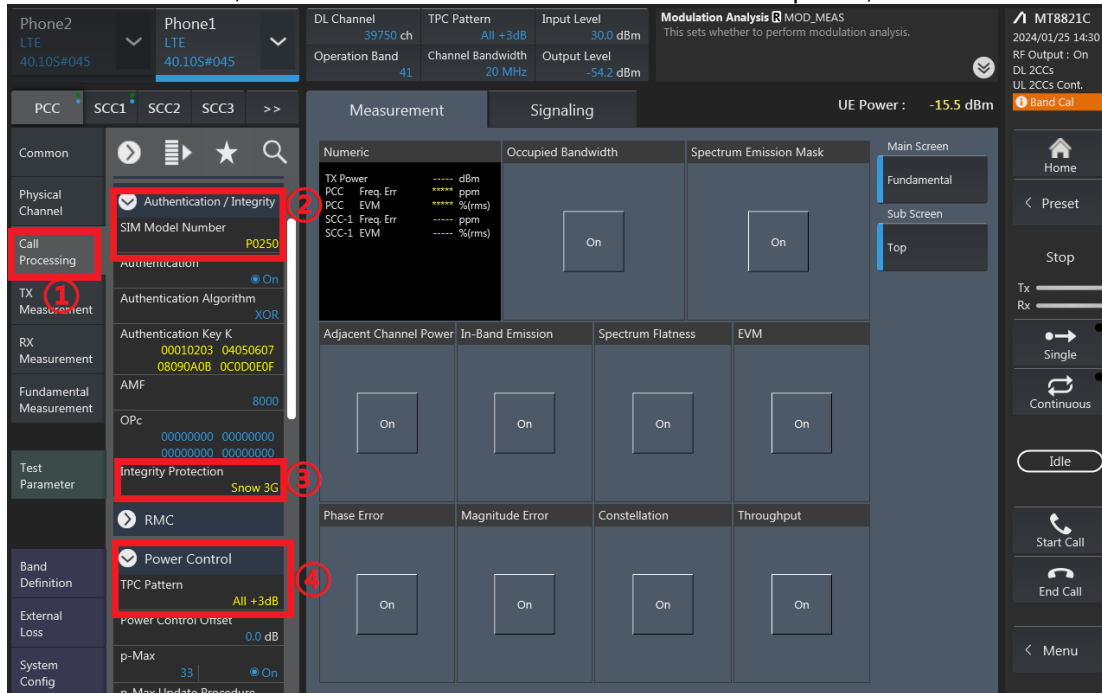
4. SCC parameter Settings: Select the SCC1 tab, Set operating band, BW, channel, and RB configurations for SCC1;



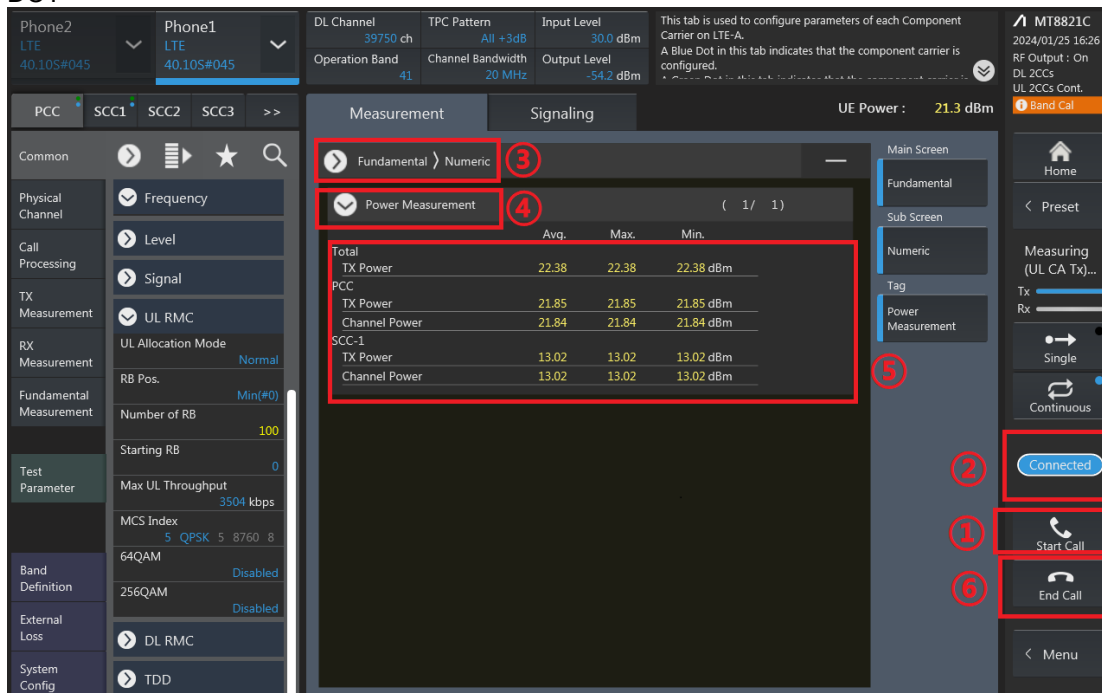
RB configurations (Number of RB / Starting RB) for SCC1;



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



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



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

Uplink CA_Full & Default Power

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	23.24	24.50
21100	21298	QPSK	1	99	1	0	23.29	24.50
21350	21152	QPSK	1	0	1	99	23.28	24.50

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	23.38	24.50
37901	38099	QPSK	1	99	1	0	23.39	24.50
38150	37952	QPSK	1	0	1	99	23.36	24.50

CA_7C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.79	24.50
21100	21298	QPSK	1	99	1	0	22.93	24.50
21350	21152	QPSK	1	0	1	99	22.85	24.50

CA_38C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.92	24.50
37901	38099	QPSK	1	99	1	0	22.99	24.50
38150	37952	QPSK	1	0	1	99	22.97	24.50

Uplink CA_DSI1 Power

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	23.24	24.50
21100	21298	QPSK	1	99	1	0	23.29	24.50
21350	21152	QPSK	1	0	1	99	23.28	24.50

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	23.38	24.50
37901	38099	QPSK	1	99	1	0	23.39	24.50
38150	37952	QPSK	1	0	1	99	23.36	24.50

CA_7C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	16.75	18.50
21100	21298	QPSK	1	99	1	0	16.86	18.50
21350	21152	QPSK	1	0	1	99	16.77	18.50

CA_38C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	19.02	20.50
37901	38099	QPSK	1	99	1	0	19.08	20.50
38150	37952	QPSK	1	0	1	99	18.99	20.50

Uplink CA_DSI2 Power

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	23.24	24.50
21100	21298	QPSK	1	99	1	0	23.29	24.50
21350	21152	QPSK	1	0	1	99	23.28	24.50

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	23.38	24.50
37901	38099	QPSK	1	99	1	0	23.39	24.50
38150	37952	QPSK	1	0	1	99	23.36	24.50

CA_7C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.79	24.50
21100	21298	QPSK	1	99	1	0	22.93	24.50
21350	21152	QPSK	1	0	1	99	22.85	24.50

CA_38C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.92	24.50
37901	38099	QPSK	1	99	1	0	22.99	24.50
38150	37952	QPSK	1	0	1	99	22.97	24.50

Uplink CA_DSI3 Power

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	18.71	20.00
21100	21298	QPSK	1	99	1	0	18.86	20.00
21350	21152	QPSK	1	0	1	99	18.67	20.00

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	19.36	20.50
37901	38099	QPSK	1	99	1	0	19.41	20.50
38150	37952	QPSK	1	0	1	99	19.39	20.50

CA_7C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.79	24.50
21100	21298	QPSK	1	99	1	0	22.93	24.50
21350	21152	QPSK	1	0	1	99	22.85	24.50

CA_38C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.92	24.50
37901	38099	QPSK	1	99	1	0	22.99	24.50
38150	37952	QPSK	1	0	1	99	22.97	24.50

Uplink CA_DSI4 Power

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	18.71	20.00
21100	21298	QPSK	1	99	1	0	18.86	20.00
21350	21152	QPSK	1	0	1	99	18.67	20.00

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	19.36	20.50
37901	38099	QPSK	1	99	1	0	19.41	20.50
38150	37952	QPSK	1	0	1	99	19.39	20.50

CA_7C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	16.75	18.50
21100	21298	QPSK	1	99	1	0	16.86	18.50
21350	21152	QPSK	1	0	1	99	16.77	18.50

CA_38C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	19.02	20.50
37901	38099	QPSK	1	99	1	0	19.08	20.50
38150	37952	QPSK	1	0	1	99	18.99	20.50

Downlink CA Power

2CA DL

CA List	PCC										SCC				Power		
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	RB	RB	RB	DL Antenna Configuration	Tx Power (dBm)	Tx Power (dBm)		
	Band	Ant	MHz	Freq (MHz)	Channel		Channel	Offset			Band	Ant				MHz	Freq (MHz)
CA_2A-2A	Band 2	1	20M	1880	1890	QPSK	1	0			Band 2	5M	1987.5	1175	22.91	22.98	
CA_2A-26A	Band 2	2	20M	1880	1890	QPSK	1	0			Band 26	19M	831.5	26965	24.30	23.05	
CA_2A-38A	Band 26	1	19M	831.5	26965	QPSK	1	0			Band 2	20M	1960	900	24.30	24.41	
	Band 2	1	20M	2595	38000	QPSK	1	0	4x4MMMO		Band 38	20M	2595	38000	22.91	22.98	
CA_2C	Band 2	2	20M	1880	1890	QPSK	1	0			Band 2	20M	1979.8	1098	22.93	23.05	
CA_4A-17A	Band 4	1	10M	1732.5	20175	QPSK	1	0	4x4MMMO		Band 17	10M	740	5790	23.66	23.81	
	Band 17	4	10M	710	23790	QPSK	1	0			Band 4	10M	2132.5	2175	4x4MMMO	24.32	24.48
CA_26A-38A	Band 26	1	19M	831.5	26965	QPSK	1	0			Band 38	20M	2595	38000	4x4MMMO	24.30	24.41
CA_7A-26A	Band 7	1	20M	2535	21100	QPSK	1	0	4x4MMMO		Band 26	19M	876.5	8865	23.37	23.47	
	Band 26	4	19M	831.5	26965	QPSK	1	0			Band 7	20M	2655	3100	4x4MMMO	24.39	24.55
CA_26A-41A	Band 26	1	19M	831.5	26965	QPSK	1	0			Band 41	20M	2593	40620	4x4MMMO	24.30	24.41
CA_38A-41A	Band 38	1	20M	2593	38000	QPSK	1	0	4x4MMMO		Band 41	20M	2593	40620	4x4MMMO	23.42	23.51
	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO		Band 38	20M	2595	38000	4x4MMMO	23.45	23.60
CA_38C	Band 38	1	20M	2590	37950	QPSK	1	0	4x4MMMO		Band 38	20M	2599.8	38048	4x4MMMO	23.42	23.51
CA_41C	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO		Band 41	20M	2612.8	40818	4x4MMMO	23.45	23.60
CA_66B	Band 66	1	15M	1745	132322	QPSK	1	0			Band 66	5M	2164.3	66979	23.68	23.82	
CA_66C	Band 66	1	20M	1745	132322	QPSK	1	0			Band 66	20M	2164.8	66984	23.78	23.94	

3CA DL

3CA List	POC									SCC1				SCC2				Power				
	LTE	BW	BW	UL	UL	Mod	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	Act	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx Power (dBm)	Tx Power (dBm)	
CA_2A-4A-5A	Band 2	2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		22.96	23.05	
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1880	900		23.74	23.86	
	Band 5	4	10M	836.5	20525	QPSK	1	0		Band 2	20M	1880	900		Band 4	20M	2132.5	2175	4x4MIMO	24.37	24.53	
CA_2-4A-7A	Band 2	2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		22.96	23.05
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1880	900		23.74	23.86	
	Band 7	3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 4	20M	2132.5	2175	4x4MIMO	24.37	24.53	
CA_2A-5A-7A	Band 2	2	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO		22.96	23.05
	Band 5	1	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1880	900		24.18	24.34	
	Band 7	3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1880	900		Band 5	10M	881.5	2525		23.65	23.75	
CA_2A-7A-7A	Band 2	2	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO		22.96	23.05
	Band 7	3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1880	900		23.65	23.75	
	Band 2	2	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		22.96	23.05
CA_2A-7A-66A	Band 7	3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1880	900		Band 66	20M	2155	66886	4x4MIMO		23.65	23.75
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1880	900		23.67	23.94	
	Band 2	2	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO		22.96	23.05
CA_2A-7C	Band 7	3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1880	900		23.65	23.75	
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		23.18	23.30
	Band 7	3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO		23.65	23.75
CA_4A-7C	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO		23.74	23.86
	Band 7	3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO		23.65	23.75
	Band 5	4	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO		24.37	24.53
CA_5A-7A-7A	Band 7	1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		23.38	23.47	
	Band 5	4	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		24.37	24.53
	Band 7	3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO		23.65	23.75
CA_5A-7A-66A	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 5	10M	881.5	2525		23.67	23.94	
	Band 5	4	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO		24.37	24.53
	Band 7	3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525		23.38	23.47	
CA_7A-66A-66A	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO		23.65	23.75
	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	Band 41	20M	2506	39750	4x4MIMO		23.53	23.60
	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	41088	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO		23.53	23.60
CA_41D	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 2	20M	1880	18900	4x4MIMO	Band 5	10M	881.5	2525		22.88	23.05	
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1880	900		Band 2	5M	1987.5	1175		24.21	24.34	
	Band 5	1	10M	836.5	20525	QPSK	1	0	4x4MIMO													