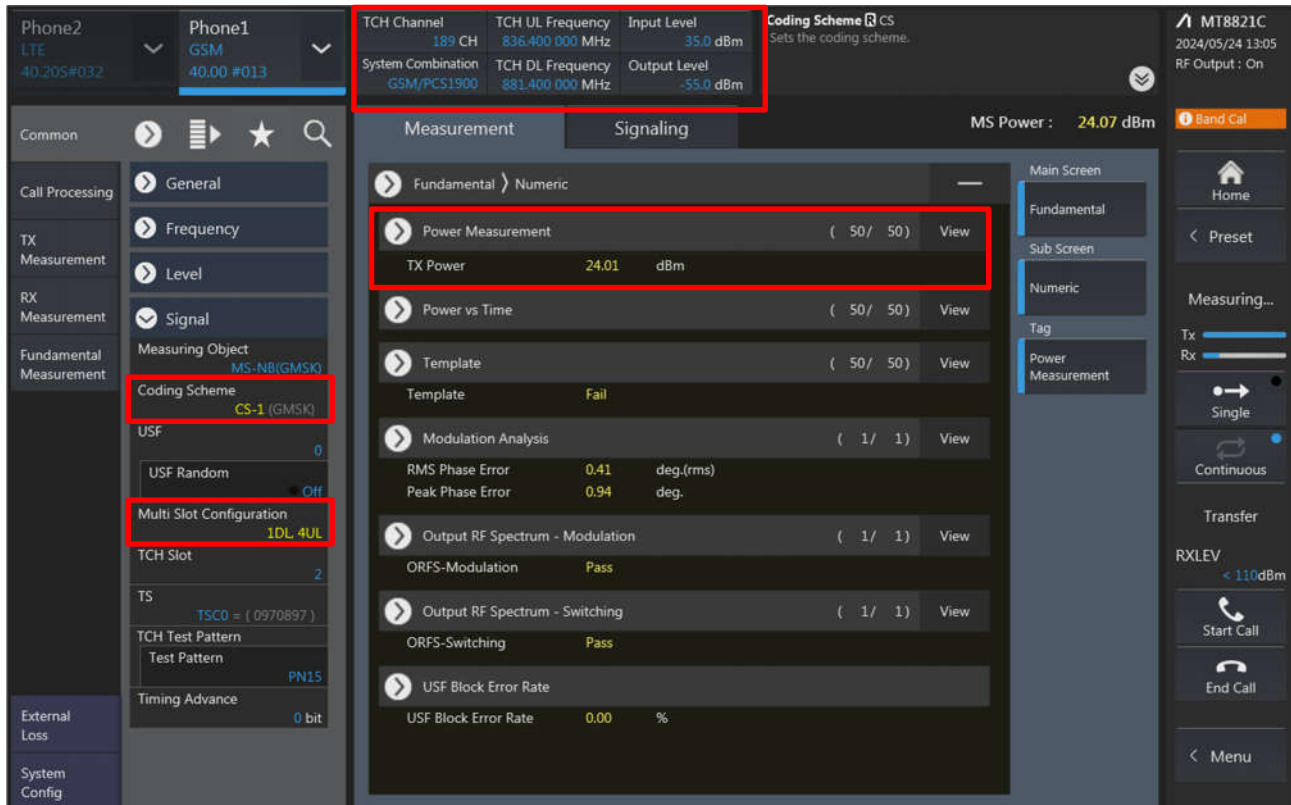


Power measurement connection diagram:

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.

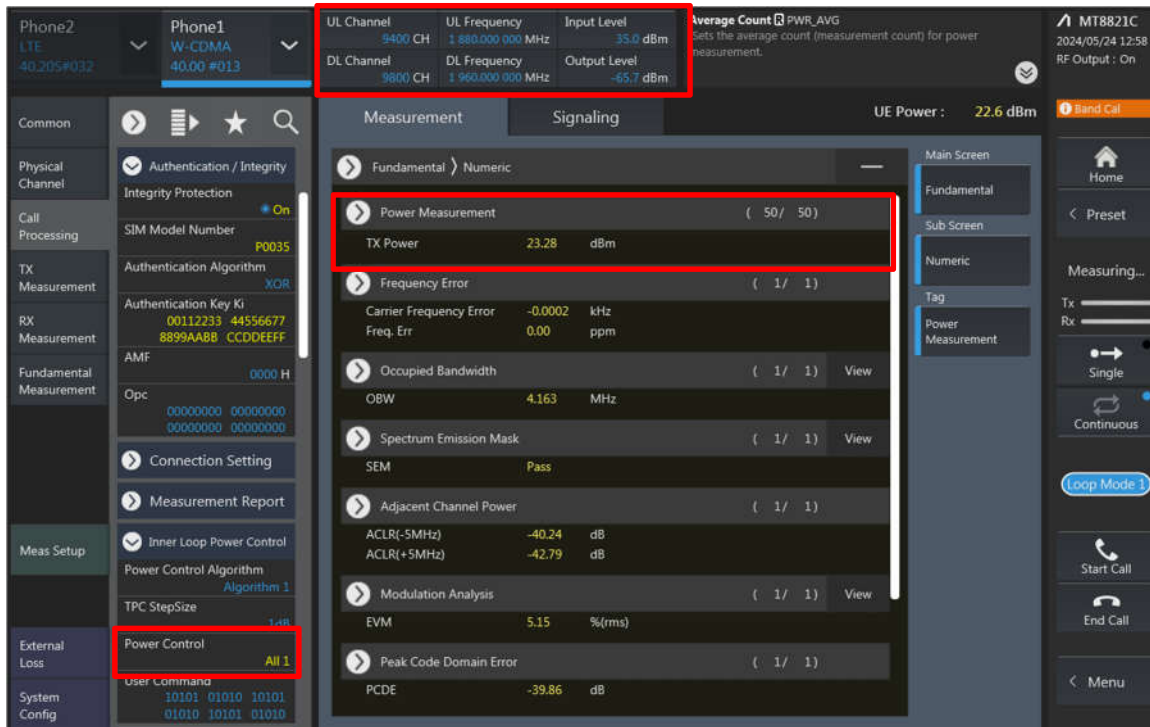
<GSM>



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

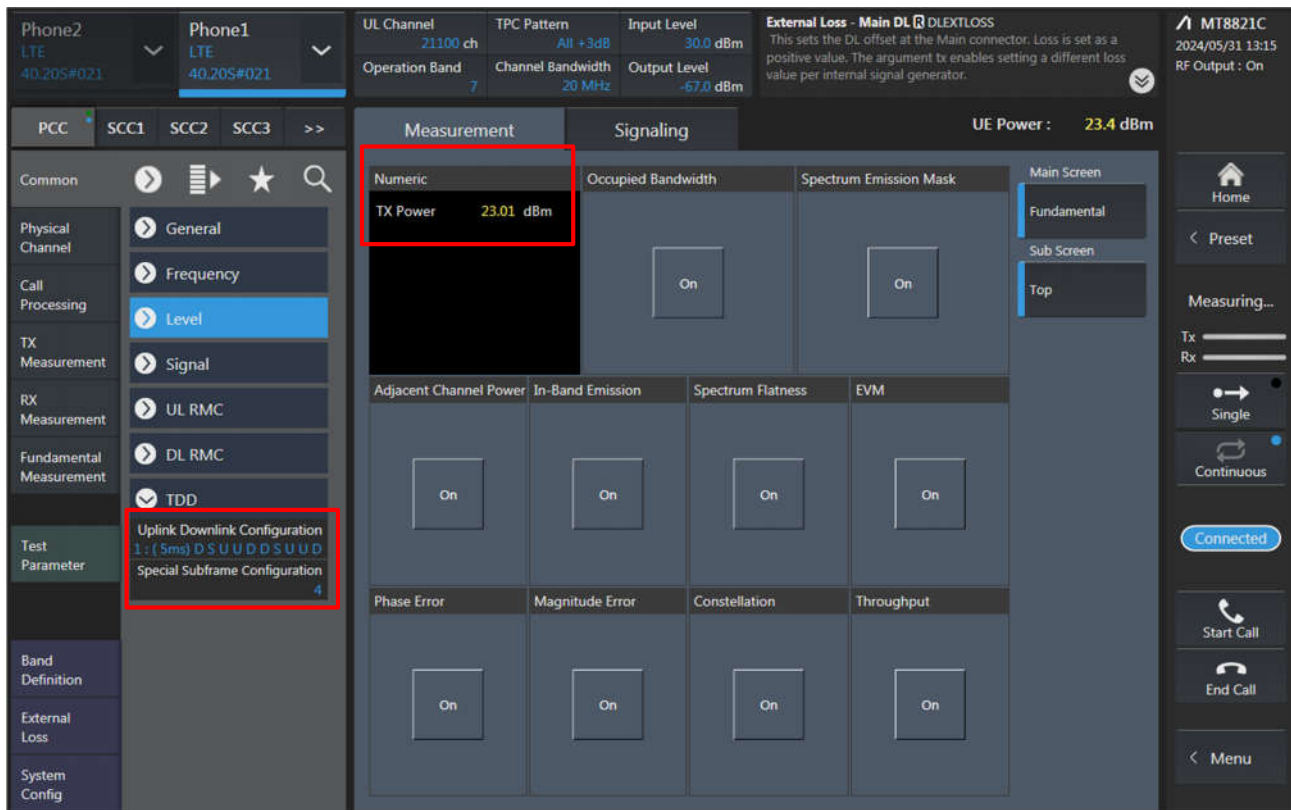
- Top Bar:** Shows Phone2 (LTE, 40.205#032) and Phone1 (GSM, 40.00 #013). The TCH Channel is 189 CH, TCH UL Frequency is 836.400 000 MHz, Input Level is 35.0 dBm, and TCH DL Frequency is 881.400 000 MHz. The Coding Scheme is CS.
- Left Sidebar:** Contains navigation options like Call Processing, TX Measurement, RX Measurement, Fundamental Measurement, and External Loss.
- Main Panel:** Displays measurement results under the 'Measurement' tab. The 'Power Measurement' section shows TX Power as 24.01 dBm. Other sections include Power vs Time, Template, Modulation Analysis, Output RF Spectrum - Modulation, Output RF Spectrum - Switching, and USF Block Error Rate.
- Right Sidebar:** Includes a 'Main Screen' section with 'Fundamental' and 'Sub Screen' options, and a 'Tag' section with 'Power Measurement'.

<WCDMA>



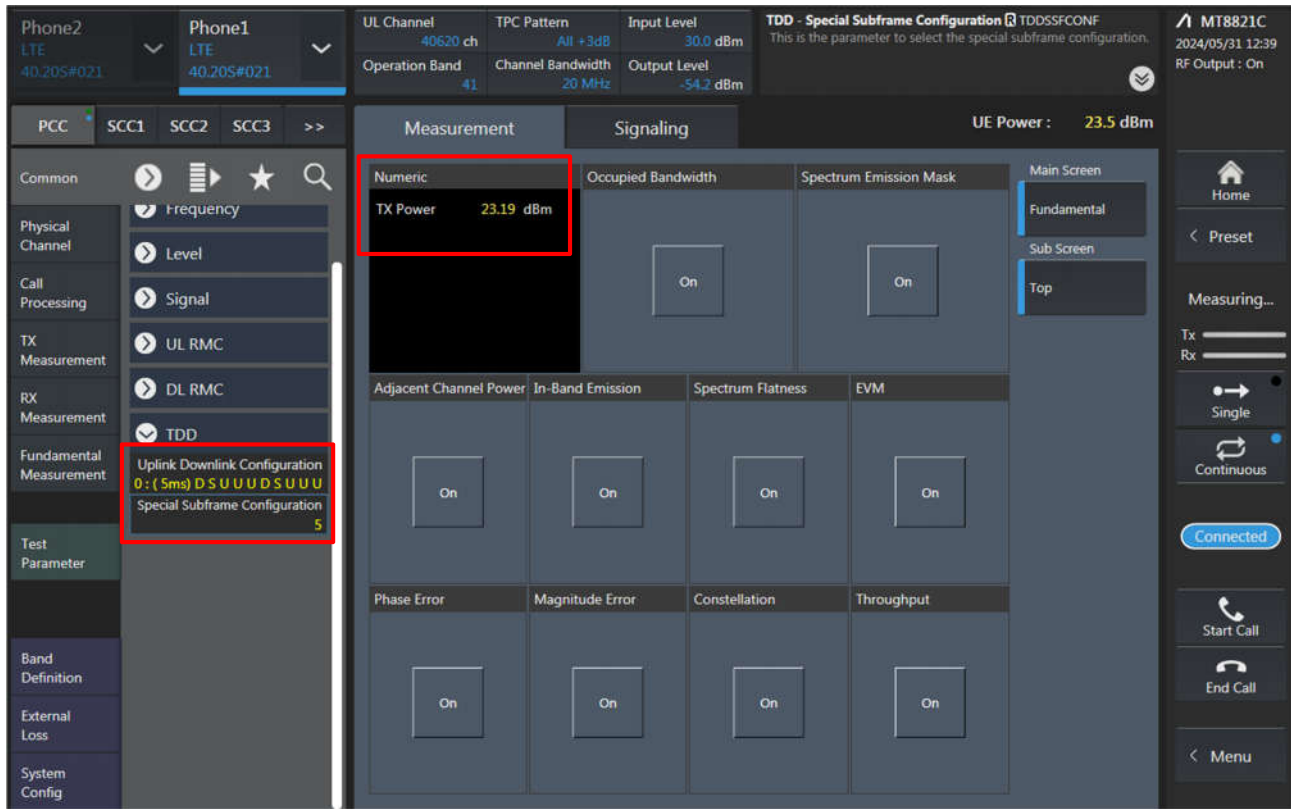
The screenshot shows the WCDMA measurement interface. The top bar displays 'Phone2 LTE 40.205#032' and 'Phone1 W-CDMA 40.00 #013'. The 'Measurement' tab is active, showing various parameters. A red box highlights the 'UL Channel' (9400 CH) and 'DL Channel' (9800 CH) settings. Another red box highlights the 'Power Measurement' section, showing 'TX Power' at 23.28 dBm. The 'Fundamental' section shows 'Carrier Frequency Error' at -0.0002 kHz and 'Freq. Err' at 0.00 ppm. The 'Occupied Bandwidth' section shows 'OBW' at 4.163 MHz. The 'Spectrum Emission Mask' section shows 'SEM' as '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 22.6 dBm. The 'Main Screen' shows 'Fundamental' and 'Sub Screen' options. The 'Tag' shows 'Power Measurement'. The 'Loop Mode' is set to 'Continuous'. The 'Start Call' and 'End Call' buttons are visible on the right side.

<LTE>

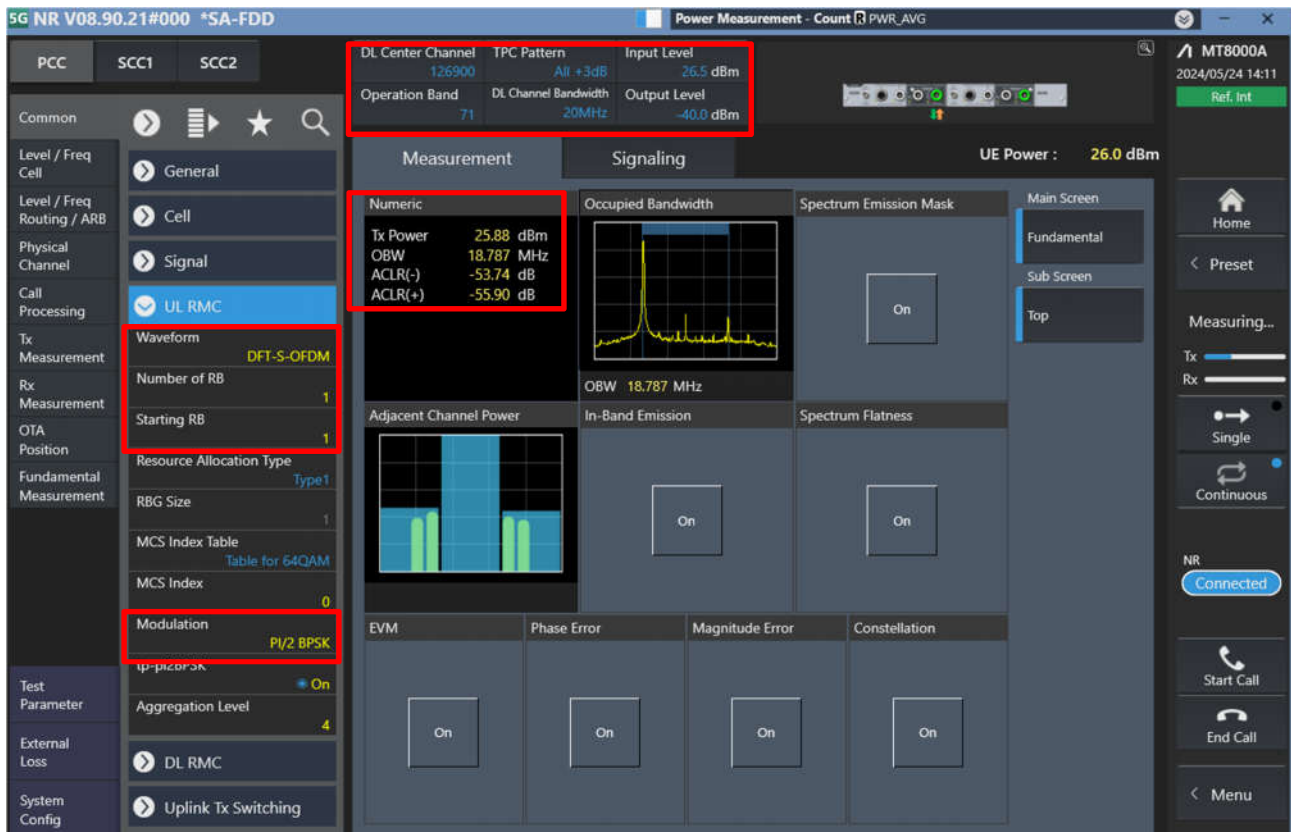


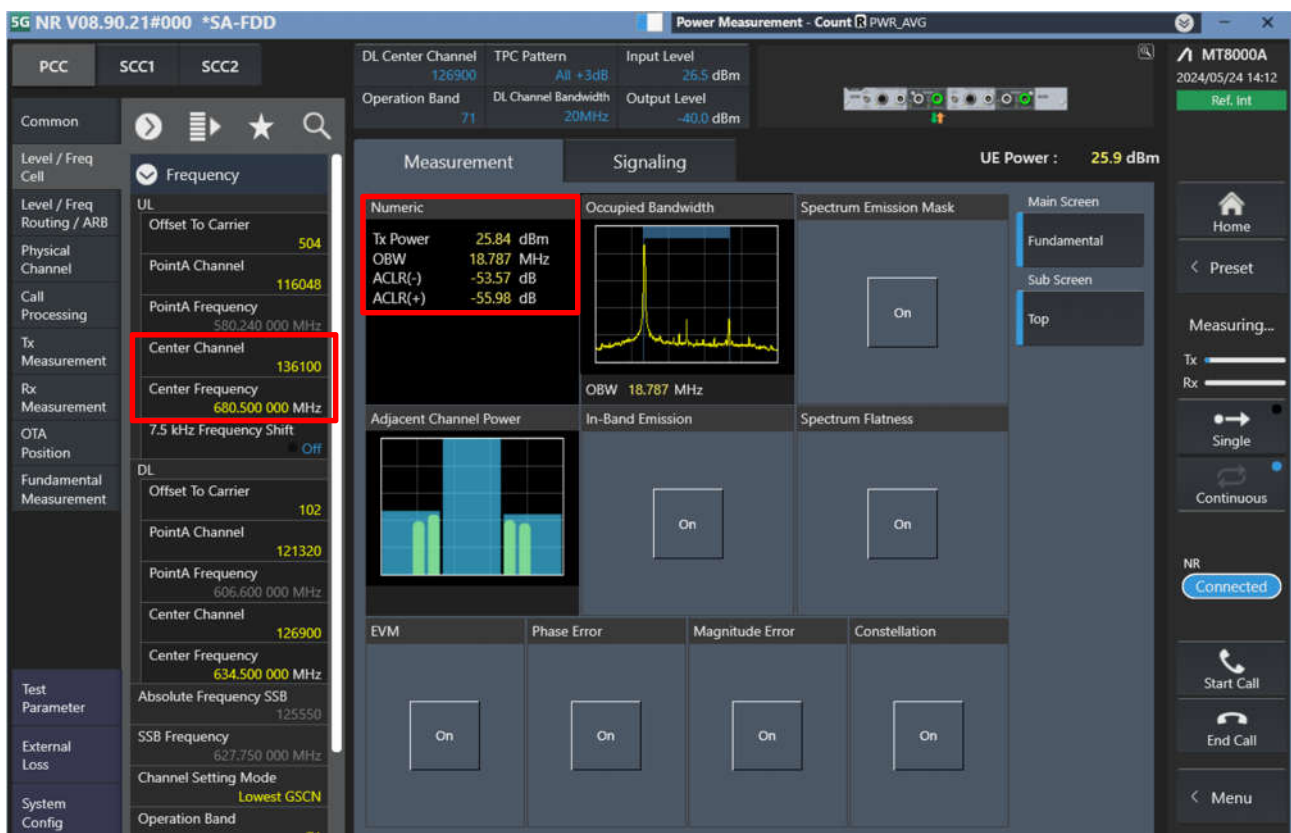
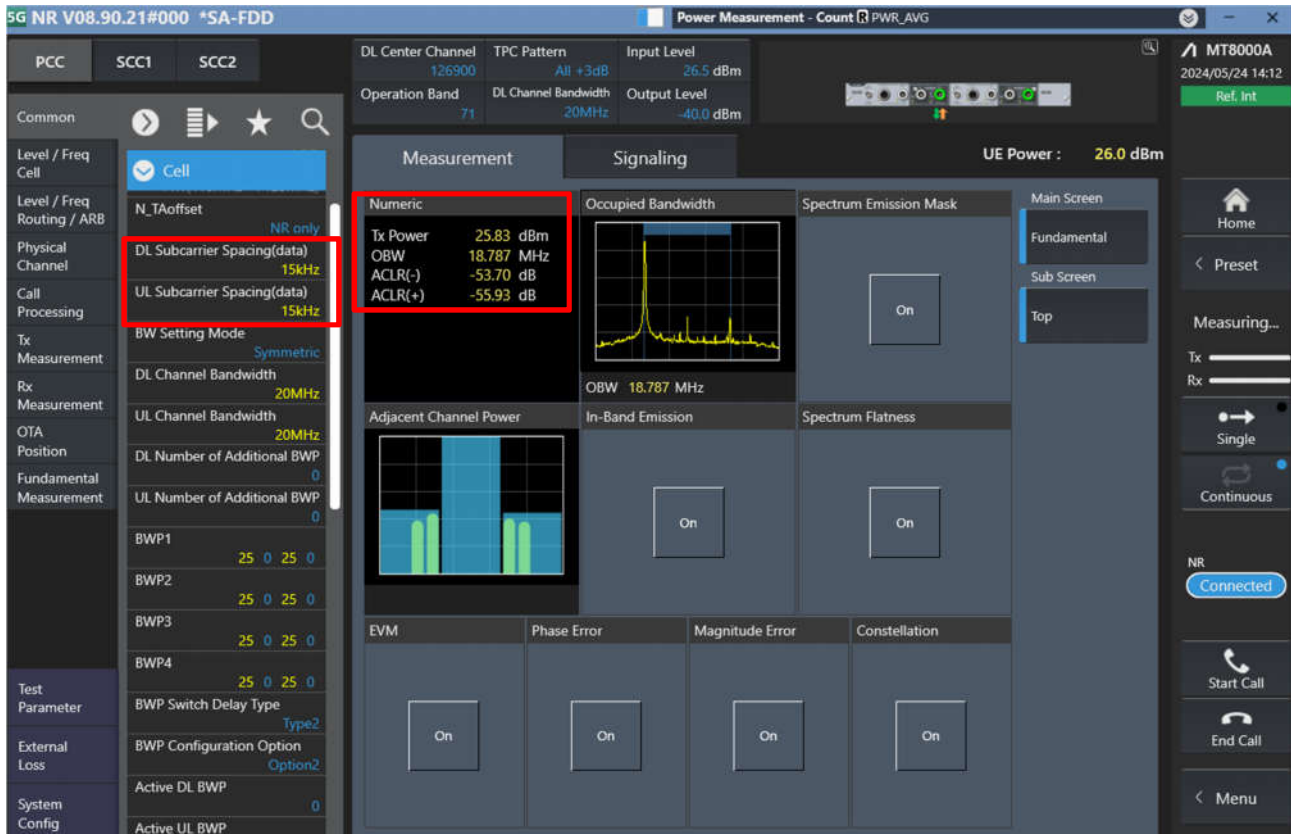
The screenshot shows the LTE measurement interface. The top bar displays 'Phone2 LTE 40.205#021' and 'Phone1 LTE 40.205#021'. The 'Measurement' tab is active, showing various parameters. A red box highlights the 'TX Power' at 23.01 dBm. The 'Occupied Bandwidth' section shows 'On'. The 'Spectrum Emission Mask' section shows 'On'. The 'Adjacent Channel Power' section shows 'On'. The 'In-Band Emission' section shows 'On'. The 'Spectrum Flatness' section shows 'On'. The 'EVM' section shows 'On'. The 'Phase Error' section shows 'On'. The 'Magnitude Error' section shows 'On'. The 'Constellation' section shows 'On'. The 'Throughput' section shows 'On'. The 'UE Power' is 23.4 dBm. The 'Main Screen' shows 'Fundamental' and 'Sub Screen' options. The 'Tag' shows 'Top'. The 'Loop Mode' is set to 'Connected'. The 'Start Call' and 'End Call' buttons are visible on the right side. The 'Uplink Downlink Configuration' is set to '1: (5ms) D S U U D D S U U D' and the 'Special Subframe Configuration' is set to '4'.

<LTE TDD Power class 3>



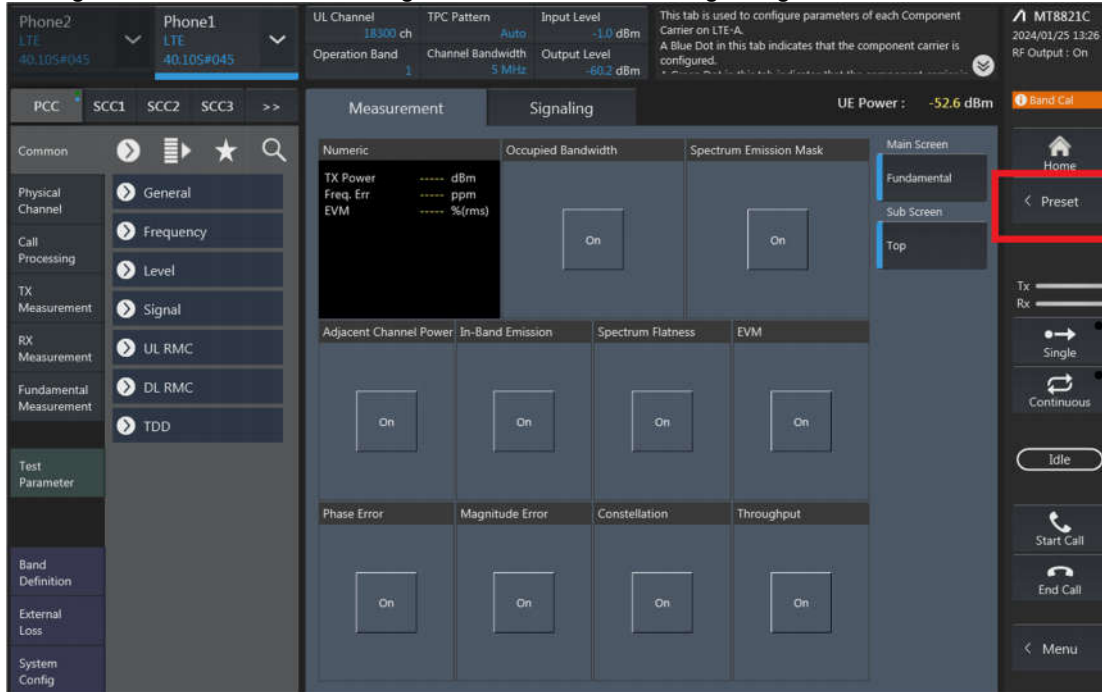
<5G NR FR1>





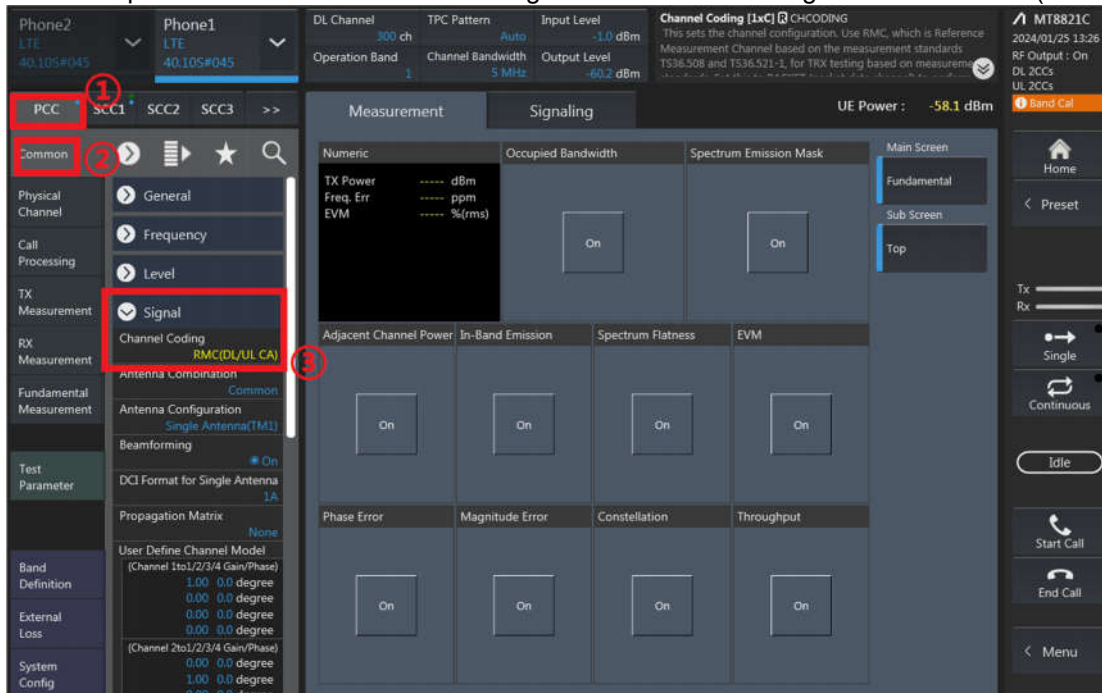
LTE Uplink and Downlink Carrier Aggregation configurations:

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

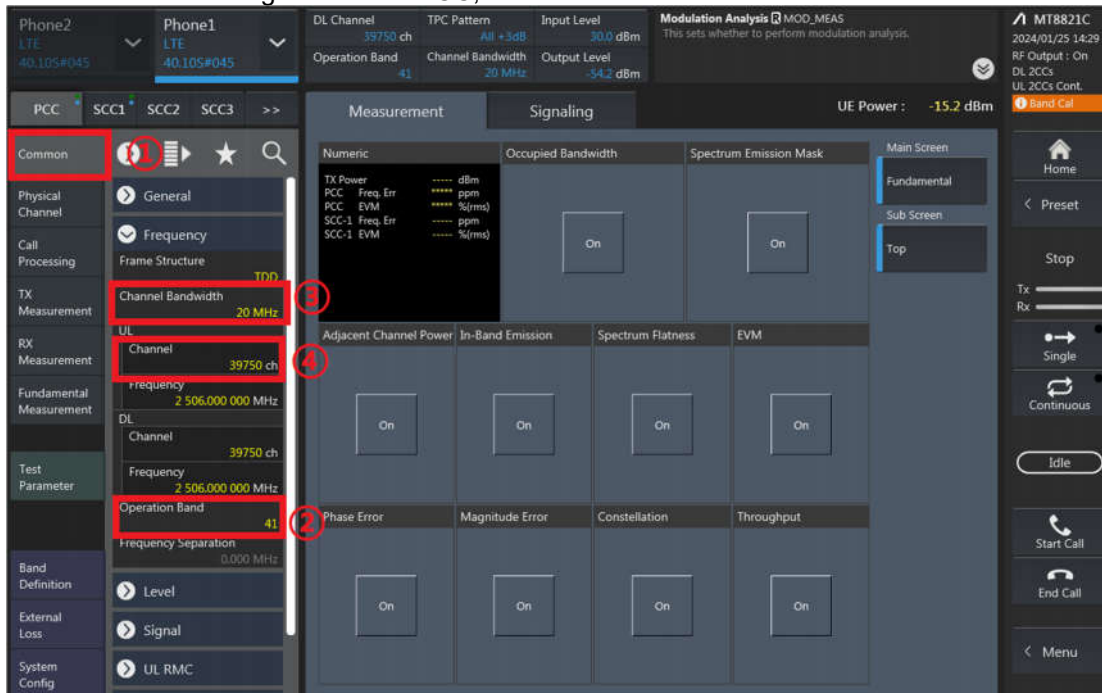


2. If Select "RMC (DL/UL CA)" for Uplink Carrier Aggregation;
If Select "RMC (DL CA)" for Downlink Carrier Aggregation.
For example, Uplink Carrier Aggregation:

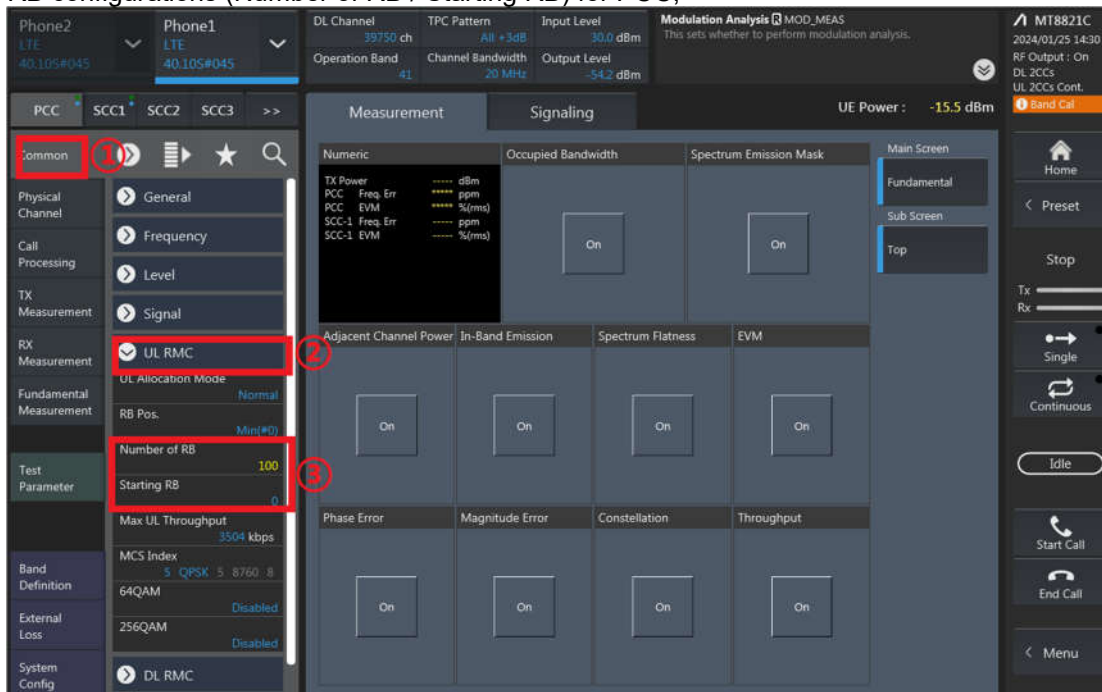
Detailed operation: PCC → Common → Signal → Channel Coding → Select 【RMC (DL/UL CA)】



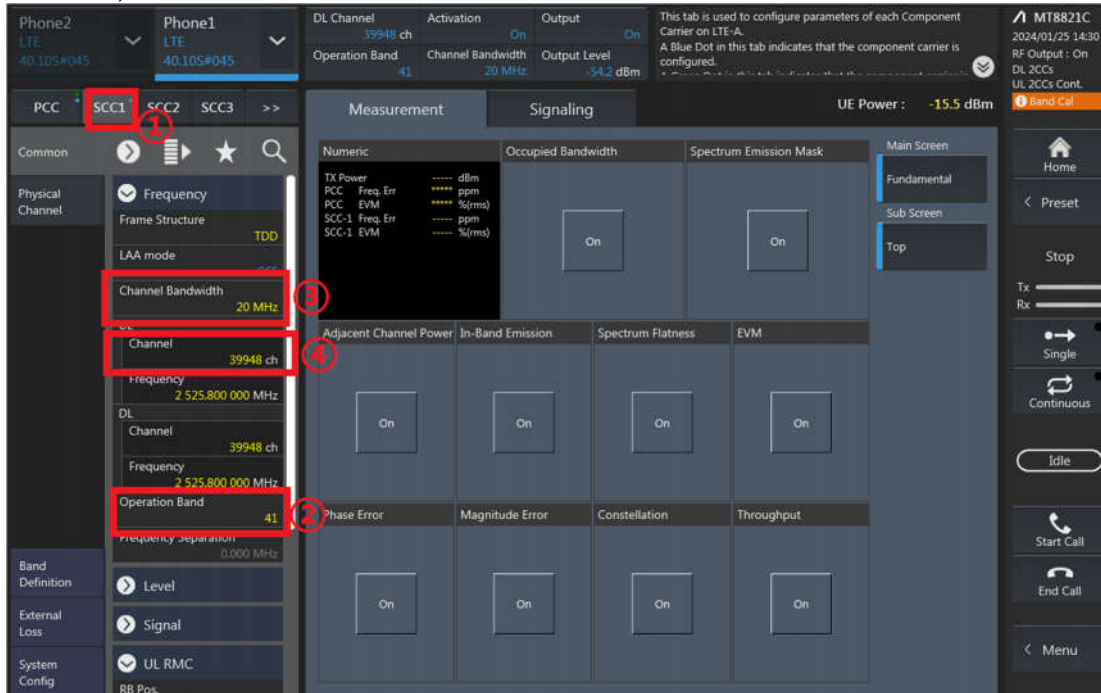
3. PCC parameter Settings: on the screen, and then select the PCC tab and Set operating band, BW, channel and RB configurations for PCC;



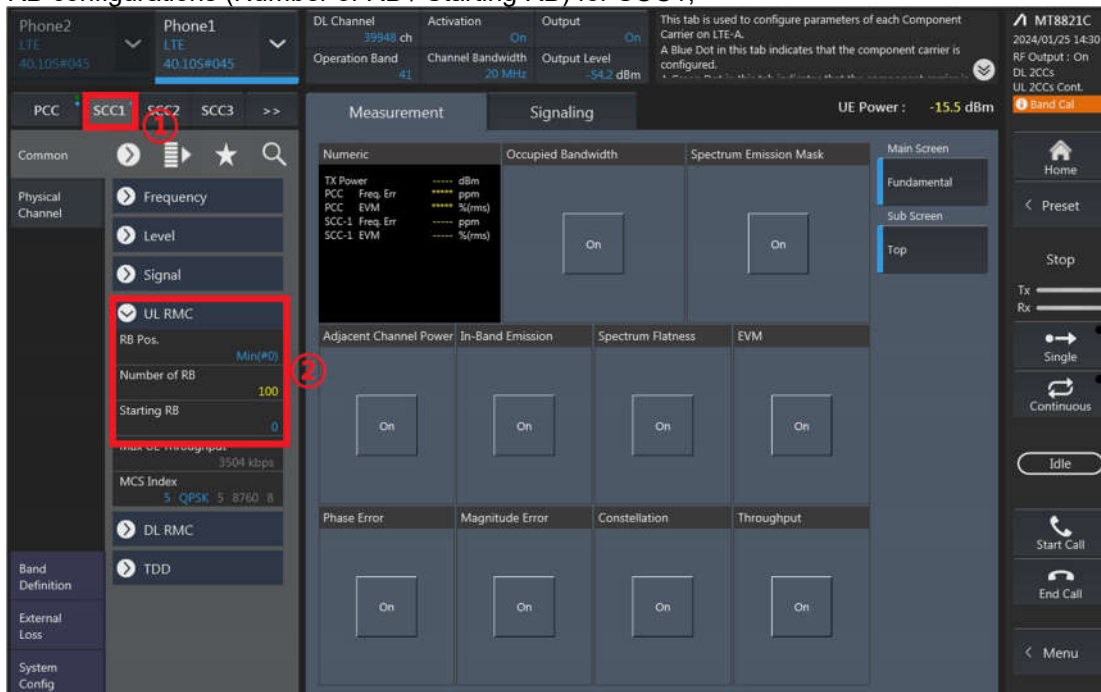
RB configurations (Number of RB / Starting RB) for PCC;



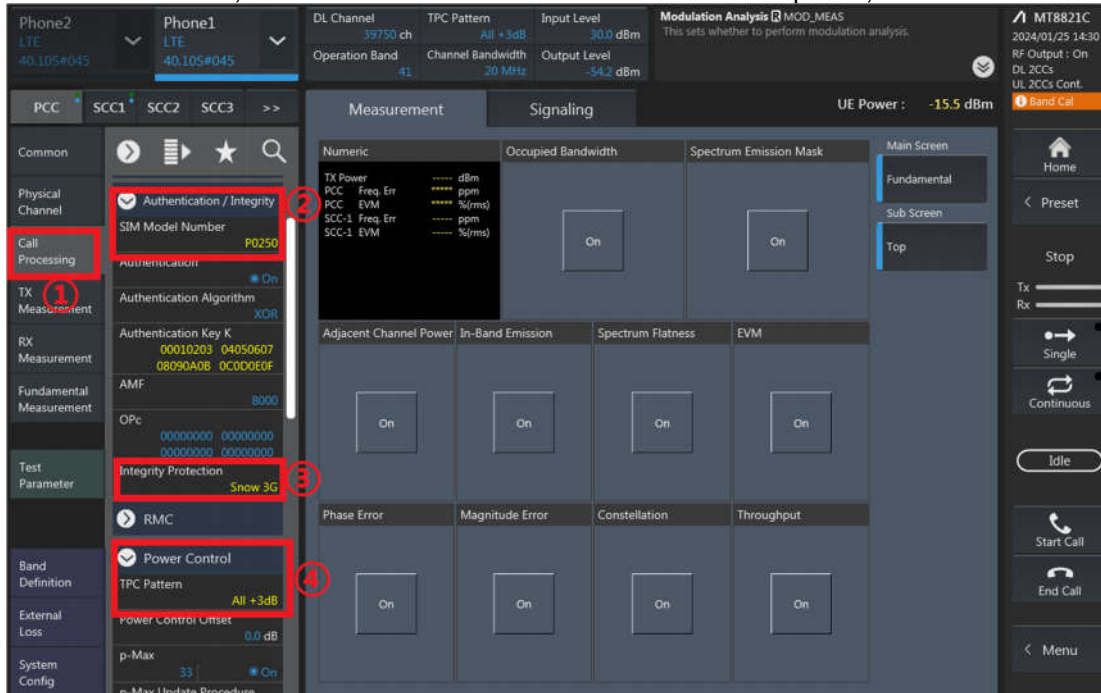
4. SCC parameter Settings: Select the SCC1 tab, Set operating band, BW, channel, and RB configurations for SCC1;



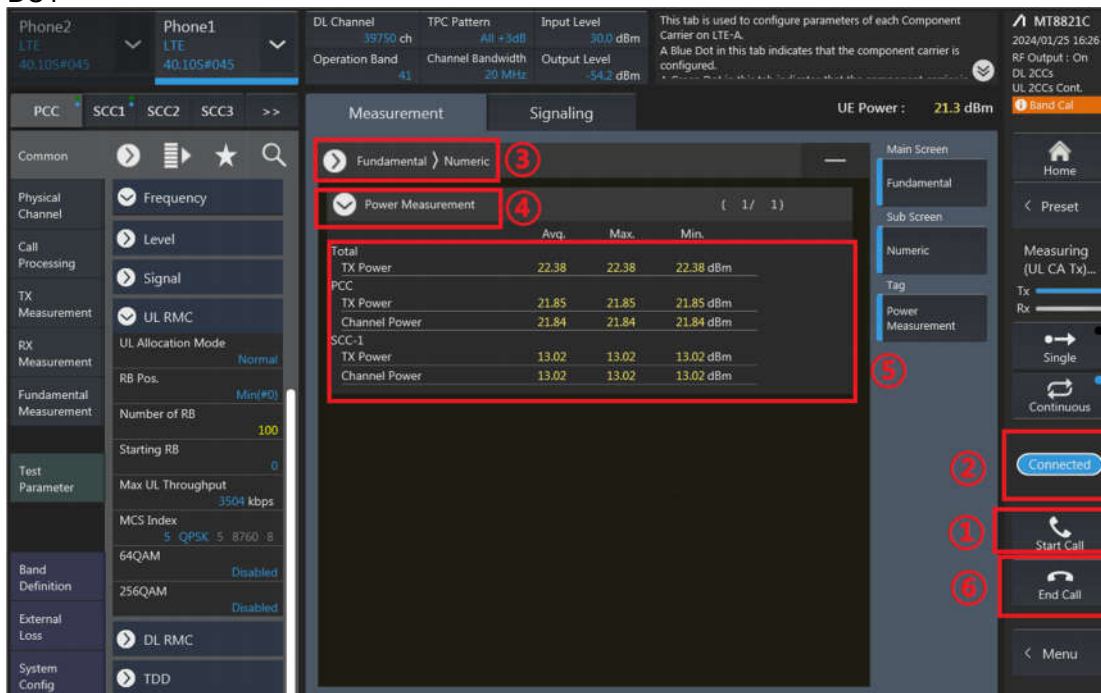
RB configurations (Number of RB / Starting RB) for SCC1;



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 DLCA test method is similar to intra-band DLCA.

UL CA_Full Power

CA_7C Ant 4							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	24.98
21100	21298	QPSK	1	99	1	0	25.01
21350	21152	QPSK	1	0	1	99	24.99

CA_7C Ant 2							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	25.01
21100	21298	QPSK	1	99	1	0	25.05
21350	21152	QPSK	1	0	1	99	25.03

CA_7C Ant 3							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	23.91
21100	21298	QPSK	1	99	1	0	23.94
21350	21152	QPSK	1	0	1	99	23.86

CA_7C Ant 5							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	22.31
21100	21298	QPSK	1	99	1	0	22.35
21350	21152	QPSK	1	0	1	99	22.29

CA_38C Ant 4							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	24.81
37901	38099	QPSK	1	99	1	0	24.85
38150	37952	QPSK	1	0	1	99	24.79

CA_38C Ant 2							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	24.79
37901	38099	QPSK	1	99	1	0	24.85
38150	37952	QPSK	1	0	1	99	24.71

CA_38C Ant 3							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	23.81
37901	38099	QPSK	1	99	1	0	23.89
38150	37952	QPSK	1	0	1	99	23.83

CA_38C Ant 5							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	21.85
37901	38099	QPSK	1	99	1	0	21.89
38150	37952	QPSK	1	0	1	99	21.81

CA_41C Ant 4							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	24.71
40185	40383	QPSK	1	99	1	0	24.69
40620	40818	QPSK	1	99	1	0	24.73
41055	41253	QPSK	1	99	1	0	24.65
41490	41292	QPSK	1	0	1	99	24.61

CA_41C Ant 2							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	24.75
40185	40383	QPSK	1	99	1	0	24.71
40620	40818	QPSK	1	99	1	0	24.82
41055	41253	QPSK	1	99	1	0	24.73
41490	41292	QPSK	1	0	1	99	24.78

CA_41C Ant 3							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	23.91
40185	40383	QPSK	1	99	1	0	23.89
40620	40818	QPSK	1	99	1	0	23.93
41055	41253	QPSK	1	99	1	0	23.86
41490	41292	QPSK	1	0	1	99	23.90

CA_41C Ant 5							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	21.86
40185	40383	QPSK	1	99	1	0	21.93
40620	40818	QPSK	1	99	1	0	21.95
41055	41253	QPSK	1	99	1	0	21.85
41490	41292	QPSK	1	0	1	99	21.92

UL_CA_EC1 Power

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	16.45	17.20
21100	21298	QPSK	1	99	1	0	16.50	17.20
21350	21152	QPSK	1	0	1	99	16.44	17.20

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	25.01	25.70
21100	21298	QPSK	1	99	1	0	25.05	25.70
21350	21152	QPSK	1	0	1	99	25.03	25.70

CA_7C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.38	20.00
21100	21298	QPSK	1	99	1	0	18.49	20.00
21350	21152	QPSK	1	0	1	99	18.33	20.00

CA_7C Ant 5								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.78	21.50
21100	21298	QPSK	1	99	1	0	19.89	21.50
21350	21152	QPSK	1	0	1	99	19.75	21.50

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	16.77	17.70
37901	38099	QPSK	1	99	1	0	16.85	17.70
38150	37952	QPSK	1	0	1	99	16.79	17.70

CA_38C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	24.79	25.70
37901	38099	QPSK	1	99	1	0	24.85	25.70
38150	37952	QPSK	1	0	1	99	24.71	25.70

CA_38C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.85	20.50
37901	38099	QPSK	1	99	1	0	18.93	20.50
38150	37952	QPSK	1	0	1	99	18.85	20.50

CA_38C Ant 5								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.85	23.50
37901	38099	QPSK	1	99	1	0	21.89	23.50
38150	37952	QPSK	1	0	1	99	21.81	23.50

CA_41C 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		
39750	39948	QPSK	1	99	1	0	16.67	17.70
40185	40383	QPSK	1	99	1	0	16.73	17.70
40620	40818	QPSK	1	99	1	0	16.74	17.70
41055	41253	QPSK	1	99	1	0	16.61	17.70
41490	41292	QPSK	1	0	1	99	16.57	17.70

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	24.75	25.70
40185	40383	QPSK	1	99	1	0	24.71	25.70
40620	40818	QPSK	1	99	1	0	24.82	25.70
41055	41253	QPSK	1	99	1	0	24.73	25.70
41490	41292	QPSK	1	0	1	99	24.78	25.70

CA_41C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.95	20.50
40185	40383	QPSK	1	99	1	0	18.90	20.50
40620	40818	QPSK	1	99	1	0	18.97	20.50
41055	41253	QPSK	1	99	1	0	18.91	20.50
41490	41292	QPSK	1	0	1	99	18.85	20.50

CA_41C Ant 5								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.36	20.00
40185	40383	QPSK	1	99	1	0	18.46	20.00
40620	40818	QPSK	1	99	1	0	18.47	20.00
41055	41253	QPSK	1	99	1	0	18.32	20.00
41490	41292	QPSK	1	0	1	99	18.38	20.00

UL CA_EC13 Power

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	19.96	20.70
21100	21298	QPSK	1	99	1	0	20.00	20.70
21350	21152	QPSK	1	0	1	99	19.96	20.70

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	21.70
21100	21298	QPSK	1	99	1	0	21.06	21.70
21350	21152	QPSK	1	0	1	99	20.98	21.70

CA_7C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.36	21.00
21100	21298	QPSK	1	99	1	0	19.44	21.00
21350	21152	QPSK	1	0	1	99	19.42	21.00

CA_7C Ant 5								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.78	21.50
21100	21298	QPSK	1	99	1	0	19.89	21.50
21350	21152	QPSK	1	0	1	99	19.75	21.50

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	21.32	22.20
37901	38099	QPSK	1	99	1	0	21.33	22.20
38150	37952	QPSK	1	0	1	99	21.34	22.20

CA_38C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	20.79	21.70
37901	38099	QPSK	1	99	1	0	20.83	21.70
38150	37952	QPSK	1	0	1	99	20.69	21.70

CA_38C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.85	20.50
37901	38099	QPSK	1	99	1	0	18.93	20.50
38150	37952	QPSK	1	0	1	99	18.85	20.50

CA_38C Ant 5								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.85	23.50
37901	38099	QPSK	1	99	1	0	21.89	23.50
38150	37952	QPSK	1	0	1	99	21.81	23.50

CA_41C 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		
39750	39948	QPSK	1	99	1	0	19.27	20.20
40185	40383	QPSK	1	99	1	0	19.14	20.20
40620	40818	QPSK	1	99	1	0	19.29	20.20
41055	41253	QPSK	1	99	1	0	19.10	20.20
41490	41292	QPSK	1	0	1	99	19.16	20.20

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	20.76	21.70
40185	40383	QPSK	1	99	1	0	20.77	21.70
40620	40818	QPSK	1	99	1	0	20.87	21.70
41055	41253	QPSK	1	99	1	0	20.75	21.70
41490	41292	QPSK	1	0	1	99	20.77	21.70

CA_41C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.36	22.00
40185	40383	QPSK	1	99	1	0	20.36	22.00
40620	40818	QPSK	1	99	1	0	20.45	22.00
41055	41253	QPSK	1	99	1	0	20.37	22.00
41490	41292	QPSK	1	0	1	99	20.39	22.00

CA_41C Ant 5								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.38	22.00
40185	40383	QPSK	1	99	1	0	20.47	22.00
40620	40818	QPSK	1	99	1	0	20.44	22.00
41055	41253	QPSK	1	99	1	0	20.35	22.00
41490	41292	QPSK	1	0	1	99	20.42	22.00

UL CA_EC14 Power

CA_7C Ant 4							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	24.98
21100	21298	QPSK	1	99	1	0	25.01
21350	21152	QPSK	1	0	1	99	24.99

CA_7C Ant 2							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	20.99
21100	21298	QPSK	1	99	1	0	21.06
21350	21152	QPSK	1	0	1	99	20.98

CA_7C Ant 3							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	19.36
21100	21298	QPSK	1	99	1	0	19.44
21350	21152	QPSK	1	0	1	99	19.42

CA_7C Ant 5							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	19.78
21100	21298	QPSK	1	99	1	0	19.89
21350	21152	QPSK	1	0	1	99	19.75

CA_38C Ant 4							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	24.81
37901	38099	QPSK	1	99	1	0	24.85
38150	37952	QPSK	1	0	1	99	24.79

CA_38C Ant 2							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	20.79
37901	38099	QPSK	1	99	1	0	20.83
38150	37952	QPSK	1	0	1	99	20.69

CA_38C Ant 3							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	18.85
37901	38099	QPSK	1	99	1	0	18.93
38150	37952	QPSK	1	0	1	99	18.85

CA_38C Ant 5							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	21.85
37901	38099	QPSK	1	99	1	0	21.89
38150	37952	QPSK	1	0	1	99	21.81

CA_41C Ant 4							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	24.71
40185	40383	QPSK	1	99	1	0	24.69
40620	40818	QPSK	1	99	1	0	24.73
41055	41253	QPSK	1	99	1	0	24.65
41490	41292	QPSK	1	0	1	99	24.61

CA_41C Ant 2							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	20.76
40185	40383	QPSK	1	99	1	0	20.77
40620	40818	QPSK	1	99	1	0	20.87
41055	41253	QPSK	1	99	1	0	20.75
41490	41292	QPSK	1	0	1	99	20.77

CA_41C Ant 3							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	20.48
40185	40383	QPSK	1	99	1	0	20.39
40620	40818	QPSK	1	99	1	0	20.49
41055	41253	QPSK	1	99	1	0	20.38
41490	41292	QPSK	1	0	1	99	20.36

CA_41C Ant 5							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	20.38
40185	40383	QPSK	1	99	1	0	20.47
40620	40818	QPSK	1	99	1	0	20.44
41055	41253	QPSK	1	99	1	0	20.35
41490	41292	QPSK	1	0	1	99	20.42

UL CA_ECIS Power

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	16.45	17.20
21100	21298	QPSK	1	99	1	0	16.50	17.20
21350	21152	QPSK	1	0	1	99	16.44	17.20

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	21.70
21100	21298	QPSK	1	99	1	0	21.06	21.70
21350	21152	QPSK	1	0	1	99	20.98	21.70

CA_7C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.38	20.00
21100	21298	QPSK	1	99	1	0	18.49	20.00
21350	21152	QPSK	1	0	1	99	18.33	20.00

CA_7C Ant 5								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.78	21.50
21100	21298	QPSK	1	99	1	0	19.89	21.50
21350	21152	QPSK	1	0	1	99	19.75	21.50

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	16.77	17.70
37901	38099	QPSK	1	99	1	0	16.85	17.70
38150	37952	QPSK	1	0	1	99	16.79	17.70

CA_38C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	20.79	21.70
37901	38099	QPSK	1	99	1	0	20.83	21.70
38150	37952	QPSK	1	0	1	99	20.69	21.70

CA_38C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.85	20.50
37901	38099	QPSK	1	99	1	0	18.93	20.50
38150	37952	QPSK	1	0	1	99	18.85	20.50

CA_38C Ant 5								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.85	23.50
37901	38099	QPSK	1	99	1	0	21.89	23.50
38150	37952	QPSK	1	0	1	99	21.81	23.50

CA_41C 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		
39750	39948	QPSK	1	99	1	0	16.67	17.70
40185	40383	QPSK	1	99	1	0	16.73	17.70
40620	40818	QPSK	1	99	1	0	16.74	17.70
41055	41253	QPSK	1	99	1	0	16.61	17.70
41490	41292	QPSK	1	0	1	99	16.57	17.70

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	20.76	21.70
40185	40383	QPSK	1	99	1	0	20.77	21.70
40620	40818	QPSK	1	99	1	0	20.87	21.70
41055	41253	QPSK	1	99	1	0	20.75	21.70
41490	41292	QPSK	1	0	1	99	20.77	21.70

CA_41C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.95	20.50
40185	40383	QPSK	1	99	1	0	18.90	20.50
40620	40818	QPSK	1	99	1	0	18.97	20.50
41055	41253	QPSK	1	99	1	0	18.91	20.50
41490	41292	QPSK	1	0	1	99	18.85	20.50

CA_41C Ant 5								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.36	20.00
40185	40383	QPSK	1	99	1	0	18.46	20.00
40620	40818	QPSK	1	99	1	0	18.47	20.00
41055	41253	QPSK	1	99	1	0	18.32	20.00
41490	41292	QPSK	1	0	1	99	18.38	20.00

2CA DL																						
CA List	PCC										SCC					Power						
	LTE		BW		UL		UL#		UL		DL Antenna Configuration	LTE		BW		DL		DL Antenna Configuration	With CA		Without CA	
	Band	Ant	Ant (MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	Band	Band (MHz)		Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)							
CA_2A-2A	Band 2	Ant 4	20M	1880	18800	QPSK	1	0				Band 2	SM	1987.5	1175				24.41	24.45		
	Band 2	Ant 2	20M	1880	18800	QPSK	1	0				Band 2	SM	1987.5	1175				24.40	24.54		
	Band 2	Ant 3	20M	1880	18800	QPSK	1	0				Band 2	SM	1987.5	1175				24.03	24.14		
	Band 2	Ant 5	20M	1880	18800	QPSK	1	0				Band 2	SM	1987.5	1175				23.05	23.07		
CA_2A-4A	Band 2	Ant 4	20M	1880	18800	QPSK	1	0				Band 4	20M	2132.5	2175	4xMMMO			24.41	24.45		
	Band 2	Ant 2	20M	1880	18800	QPSK	1	0				Band 4	20M	2132.5	2175	4xMMMO			24.45	24.54		
	Band 2	Ant 3	20M	1880	18800	QPSK	1	0				Band 4	20M	2132.5	2175	4xMMMO			24.09	24.15		
	Band 2	Ant 5	20M	1880	18800	QPSK	1	0				Band 4	20M	2132.5	2175	4xMMMO			23.01	23.07		
CA_4A-5A	Band 4	Ant 4	20M	1732.5	20175	QPSK	1	0	4xMMMO			Band 2	20M	1960	900				25.03	25.07		
	Band 4	Ant 2	20M	1732.5	20175	QPSK	1	0	4xMMMO			Band 2	20M	1960	900				24.98	25.04		
	Band 4	Ant 5	20M	1732.5	20175	QPSK	1	0	4xMMMO			Band 2	20M	1960	900				23.01	23.07		
	Band 4	Ant 4	20M	1732.5	20175	QPSK	1	0	4xMMMO			Band 5	10M	881.5	2525				24.98	25.11		
CA_4A-6A	Band 4	Ant 2	20M	1732.5	20175	QPSK	1	0	4xMMMO			Band 5	10M	881.5	2525				24.91	25.04		
	Band 4	Ant 5	20M	1732.5	20175	QPSK	1	0	4xMMMO			Band 5	10M	881.5	2525				23.01	23.07		
	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0				Band 4	20M	2132.5	2175	4xMMMO			25.06	25.15		
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0				Band 4	20M	2132.5	2175	4xMMMO			25.04	25.07		
CA_4A-7A	Band 4	Ant 4	20M	1732.5	20175	QPSK	1	0	4xMMMO			Band 7	20M	2655	3100	4xMMMO			25.08	25.11		
	Band 4	Ant 2	20M	1732.5	20175	QPSK	1	0	4xMMMO			Band 7	20M	2655	3100	4xMMMO			25.01	25.04		
	Band 4	Ant 5	20M	1732.5	20175	QPSK	1	0	4xMMMO			Band 7	20M	2655	3100	4xMMMO			23.05	23.07		
	Band 7	Ant 4	20M	2535	21100	QPSK	1	0	4xMMMO			Band 4	20M	2132.5	2175	4xMMMO			25.11	25.14		
CA_38C	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4xMMMO			Band 4	20M	2132.5	2175	4xMMMO			25.08	25.10		
	Band 7	Ant 3	20M	2535	21100	QPSK	1	0	4xMMMO			Band 4	20M	2132.5	2175	4xMMMO			23.98	24.10		
	Band 7	Ant 5	20M	2535	21100	QPSK	1	0	4xMMMO			Band 4	20M	2132.5	2175	4xMMMO			22.41	22.48		
	Band 38	Ant 4	20M	2580	37850	QPSK	1	0	4xMMMO			Band 38	20M	2599.8	38048	4xMMMO			25.01	25.06		
CA_41C	Band 38	Ant 2	20M	2580	37850	QPSK	1	0	4xMMMO			Band 38	20M	2599.8	38048	4xMMMO			24.86	24.94		
	Band 38	Ant 3	20M	2580	37850	QPSK	1	0	4xMMMO			Band 38	20M	2599.8	38048	4xMMMO			24.03	24.17		
	Band 38	Ant 5	20M	2580	37850	QPSK	1	0	4xMMMO			Band 38	20M	2599.8	38048	4xMMMO			22.09	22.27		
	Band 41	Ant 4	20M	2593	40620	QPSK	1	0	4xMMMO			Band 41	20M	2612.6	40618	4xMMMO			24.98	25.13		
CA_41A	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4xMMMO			Band 41	20M	2612.6	40618	4xMMMO			24.87	24.96		
	Band 41	Ant 3	20M	2593	40620	QPSK	1	0	4xMMMO			Band 41	20M	2612.6	40618	4xMMMO			24.08	24.14		
	Band 41	Ant 5	20M	2593	40620	QPSK	1	0	4xMMMO			Band 41	20M	2612.6	40618	4xMMMO			22.09	22.12		
	Band 41	Ant 4	20M	2593	40620	QPSK	1	0	4xMMMO			Band 41	SM	2687.5	41565	4xMMMO			24.89	25.13		
CA_41A-41A	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4xMMMO			Band 41	SM	2687.5	41565	4xMMMO			24.78	24.96		
	Band 41	Ant 3	20M	2593	40620	QPSK	1	0	4xMMMO			Band 41	SM	2687.5	41565	4xMMMO			24.01	24.14		
	Band 41	Ant 5	20M	2593	40620	QPSK	1	0	4xMMMO			Band 41	SM	2687.5	41565	4xMMMO			22.08	22.12		
	Band 66	Ant 4	20M	1745	132322	QPSK	1	0	4xMMMO			Band 66	SM	2145	66786	4xMMMO			25.01	25.07		
CA_66A-66A	Band 66	Ant 2	20M	1745	132322	QPSK	1	0	4xMMMO			Band 66	SM	2145	66786	4xMMMO			24.85	25.00		
	Band 66	Ant 5	20M	1745	132322	QPSK	1	0	4xMMMO			Band 66	SM	2145	66786	4xMMMO			23.07	23.12		
	Band 66	Ant 4	15M	1745	132322	QPSK	1	0	4xMMMO			Band 66	SM	2164.3	66979	4xMMMO			24.89	25.07		
	Band 66	Ant 2	15M	1745	132322	QPSK	1	0	4xMMMO			Band 66	SM	2164.3	66979	4xMMMO			24.89	25.00		
CA_66C	Band 66	Ant 4	20M	1745	132322	QPSK	1	0	4xMMMO			Band 66	20M	2164.8	66984	4xMMMO			23.08	23.12		
	Band 66	Ant 2	20M	1745	132322	QPSK	1	0	4xMMMO			Band 66	20M	2164.8	66984	4xMMMO			24.89	25.00		
	Band 66	Ant 5	20M	1745	132322	QPSK	1	0	4xMMMO			Band 66	20M	2164.8	66984	4xMMMO			23.05	23.12		
	Band 38	Ant 4	20M	2595	38000	QPSK	1	0	4xMMMO			Band 66	20M	2155	66886	4xMMMO			25.01	25.06		
CA_38A-38A	Band 38	Ant 2	20M	2595	38000	QPSK	1	0	4xMMMO			Band 66	20M	2155	66886	4xMMMO			24.85	24.94		
	Band 38	Ant 3	20M	2595	38000	QPSK	1	0	4xMMMO			Band 66	20M	2155	66886	4xMMMO			24.03	24.17		
	Band 38	Ant 5	20M	2595	38000	QPSK	1	0	4xMMMO			Band 66	20M	2155	66886	4xMMMO			22.21	22.27		

3CA DL

3CA List	PCC										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 Tx. Power (dBm)	Without CA Tx. Power (dBm)
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration			
CA_2A-7A-7A	Band 2	Ant 4	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	24.38	24.45
	Band 2	Ant 2	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	24.44	24.54
	Band 2	Ant 3	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	24.11	24.15
	Band 2	Ant 5	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	22.98	23.07
	Band 7	Ant 4	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 2	20M	1960	900		25.01	25.14
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 2	20M	1960	900		24.98	25.10
	Band 7	Ant 3	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 2	20M	1960	900		23.99	24.10
	Band 7	Ant 5	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 2	20M	1960	900		22.32	22.48
CA_2A-7C	Band 2	Ant 4	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	24.33	24.45
	Band 2	Ant 2	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	24.45	24.54
	Band 2	Ant 3	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	24.10	24.15
	Band 2	Ant 5	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	22.93	23.07
CA_5A-7A-7A	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	25.08	25.15
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	25.02	25.07
	Band 7	Ant 4	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 5	10M	881.5	2525		25.00	25.14
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 5	10M	881.5	2525		24.97	25.10
	Band 7	Ant 3	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 5	10M	881.5	2525		23.96	24.10
	Band 7	Ant 5	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 5	10M	881.5	2525		22.40	22.48
CA_4A-7C	Band 4	Ant 4	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	24.95	25.11
	Band 4	Ant 2	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	24.89	25.04
	Band 4	Ant 5	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	22.91	23.07
	Band 7	Ant 4	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	25.09	25.14
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	25.03	25.10
	Band 7	Ant 3	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	24.95	24.10
	Band 7	Ant 5	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.43	22.48
	Band 41	Ant 4	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2632.6	41016	4xMIMO	25.06	25.13
CA_41D	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2632.6	41016	4xMIMO	24.90	24.96
	Band 41	Ant 3	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2632.6	41016	4xMIMO	23.99	24.14
	Band 41	Ant 5	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2632.6	41016	4xMIMO	21.99	22.12

Full power

CA_n77C part270 Ant 6							
Combination 100MHz+100MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
650000	656664	DFT-s QPSK	135	69	135	0	22.13
652668	659332	DFT-s QPSK	135	69	135	0	21.76
655336	662000	DFT-s QPSK	135	69	135	0	21.56

CA_n77C part270 Ant 7							
Combination 100MHz+100MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
650000	656664	DFT-s QPSK	135	69	135	0	21.30
652668	659332	DFT-s QPSK	135	69	135	0	21.17
655336	662000	DFT-s QPSK	135	69	135	0	21.23

CA_n77C part270 Ant 8							
Combination 100MHz+100MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
650000	656664	DFT-s QPSK	135	69	135	0	20.31
652668	659332	DFT-s QPSK	135	69	135	0	20.16
655336	662000	DFT-s QPSK	135	69	135	0	20.20

CA_n77C part270 Ant 9							
Combination 100MHz+100MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
650000	656664	DFT-s QPSK	135	69	135	0	20.02
652668	659332	DFT-s QPSK	135	69	135	0	19.94
655336	662000	DFT-s QPSK	135	69	135	0	20.01

ECI1

CA_n77C part270 Ant 6							
Combination 100MHz+100MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
650000	656664	DFT-s QPSK	135	69	135	0	15.51
652668	659332	DFT-s QPSK	135	69	135	0	15.44
655336	662000	DFT-s QPSK	135	69	135	0	15.36

CA_n77C part270 Ant 7							
Combination 100MHz+100MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
650000	656664	DFT-s QPSK	135	69	135	0	14.64
652668	659332	DFT-s QPSK	135	69	135	0	14.60
655336	662000	DFT-s QPSK	135	69	135	0	14.55

CA_n77C part270 Ant 8							
Combination 100MHz+100MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
650000	656664	DFT-s QPSK	135	69	135	0	12.65
652668	659332	DFT-s QPSK	135	69	135	0	12.60
655336	662000	DFT-s QPSK	135	69	135	0	12.58

CA_n77C part270 Ant 9							
Combination 100MHz+100MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
650000	656664	DFT-s QPSK	135	69	135	0	20.02
652668	659332	DFT-s QPSK	135	69	135	0	19.94
655336	662000	DFT-s QPSK	135	69	135	0	20.01

ECI3

CA_n77C part27O Ant 6								
Combination 100MHz+100MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
650000	656664	DFT-s QPSK	135	69	135	0	16.17	17.50
652668	659332	DFT-s QPSK	135	69	135	0	16.11	17.50
655336	662000	DFT-s QPSK	135	69	135	0	16.05	17.50

CA_n77C part27O Ant 7								
Combination 100MHz+100MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
650000	656664	DFT-s QPSK	135	69	135	0	17.70	19.50
652668	659332	DFT-s QPSK	135	69	135	0	17.61	19.50
655336	662000	DFT-s QPSK	135	69	135	0	17.67	19.50

CA_n77C part27O Ant 8								
Combination 100MHz+100MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
650000	656664	DFT-s QPSK	135	69	135	0	15.74	17.50
652668	659332	DFT-s QPSK	135	69	135	0	15.54	17.50
655336	662000	DFT-s QPSK	135	69	135	0	15.65	17.50

CA_n77C part27O Ant 9								
Combination 100MHz+100MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
650000	656664	DFT-s QPSK	135	69	135	0	14.55	16.00
652668	659332	DFT-s QPSK	135	69	135	0	14.51	16.00
655336	662000	DFT-s QPSK	135	69	135	0	14.34	16.00

ECI4

CA_n77C part27O Ant 6								
Combination 100MHz+100MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
650000	656664	DFT-s QPSK	135	69	135	0	22.13	23.50
652668	659332	DFT-s QPSK	135	69	135	0	21.76	23.50
655336	662000	DFT-s QPSK	135	69	135	0	21.56	23.50

CA_n77C part27O Ant 7								
Combination 100MHz+100MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
650000	656664	DFT-s QPSK	135	69	135	0	21.30	23.00
652668	659332	DFT-s QPSK	135	69	135	0	21.17	23.00
655336	662000	DFT-s QPSK	135	69	135	0	21.23	23.00

CA_n77C part27O Ant 8								
Combination 100MHz+100MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
650000	656664	DFT-s QPSK	135	69	135	0	15.74	17.50
652668	659332	DFT-s QPSK	135	69	135	0	15.54	17.50
655336	662000	DFT-s QPSK	135	69	135	0	15.65	17.50

CA_n77C part27O Ant 9								
Combination 100MHz+100MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
650000	656664	DFT-s QPSK	135	69	135	0	14.55	16.00
652668	659332	DFT-s QPSK	135	69	135	0	14.51	16.00
655336	662000	DFT-s QPSK	135	69	135	0	14.34	16.00

ECI5

CA_n77C part270 Ant 6							
Combination 100MHz+100MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
650000	656664	DFT-s QPSK	135	69	135	0	15.51
652668	659332	DFT-s QPSK	135	69	135	0	15.44
655336	662000	DFT-s QPSK	135	69	135	0	15.36

CA_n77C part270 Ant 7							
Combination 100MHz+100MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
650000	656664	DFT-s QPSK	135	69	135	0	14.64
652668	659332	DFT-s QPSK	135	69	135	0	14.60
655336	662000	DFT-s QPSK	135	69	135	0	14.55

CA_n77C part270 Ant 8							
Combination 100MHz+100MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
650000	656664	DFT-s QPSK	135	69	135	0	12.65
652668	659332	DFT-s QPSK	135	69	135	0	12.60
655336	662000	DFT-s QPSK	135	69	135	0	12.58

CA_n77C part270 Ant 9							
Combination 100MHz+100MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
650000	656664	DFT-s QPSK	135	69	135	0	14.55
652668	659332	DFT-s QPSK	135	69	135	0	14.51
655336	662000	DFT-s QPSK	135	69	135	0	14.34