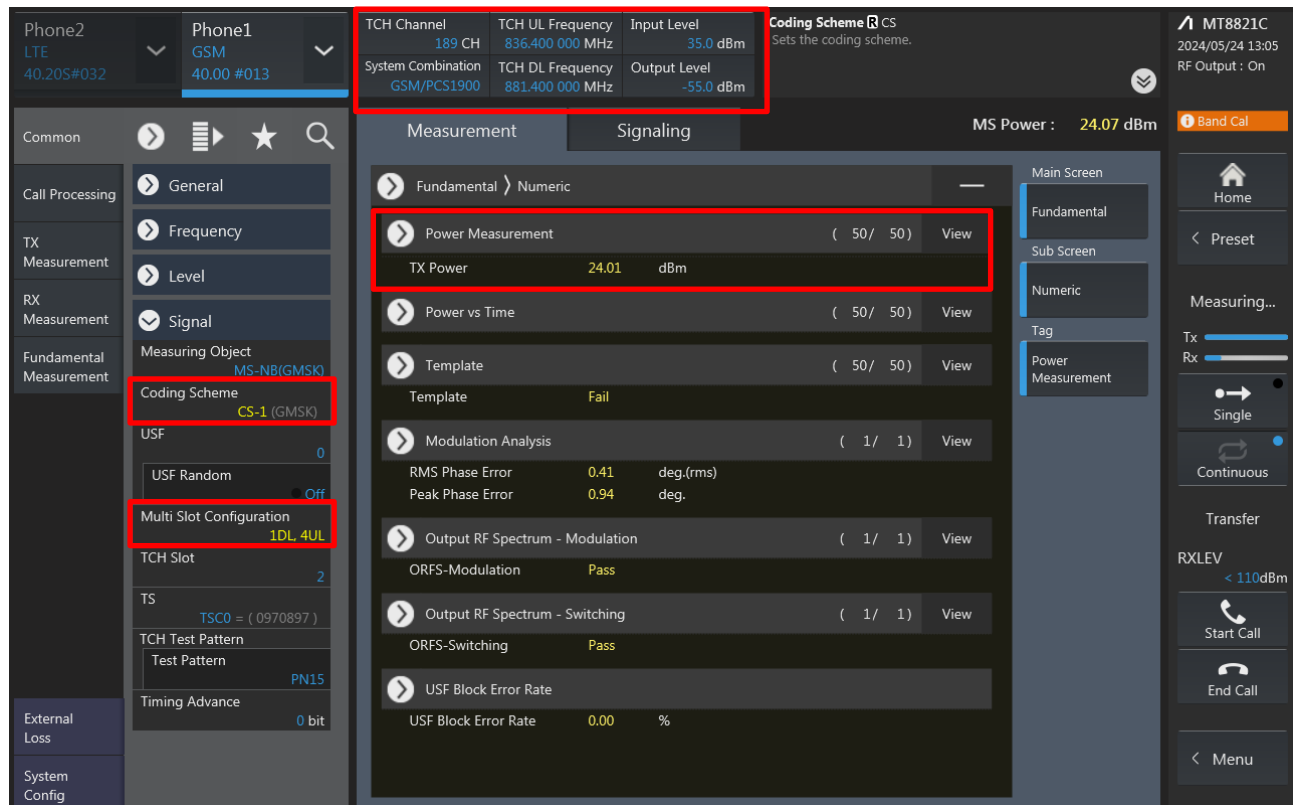


Power measurement connection diagram:

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.

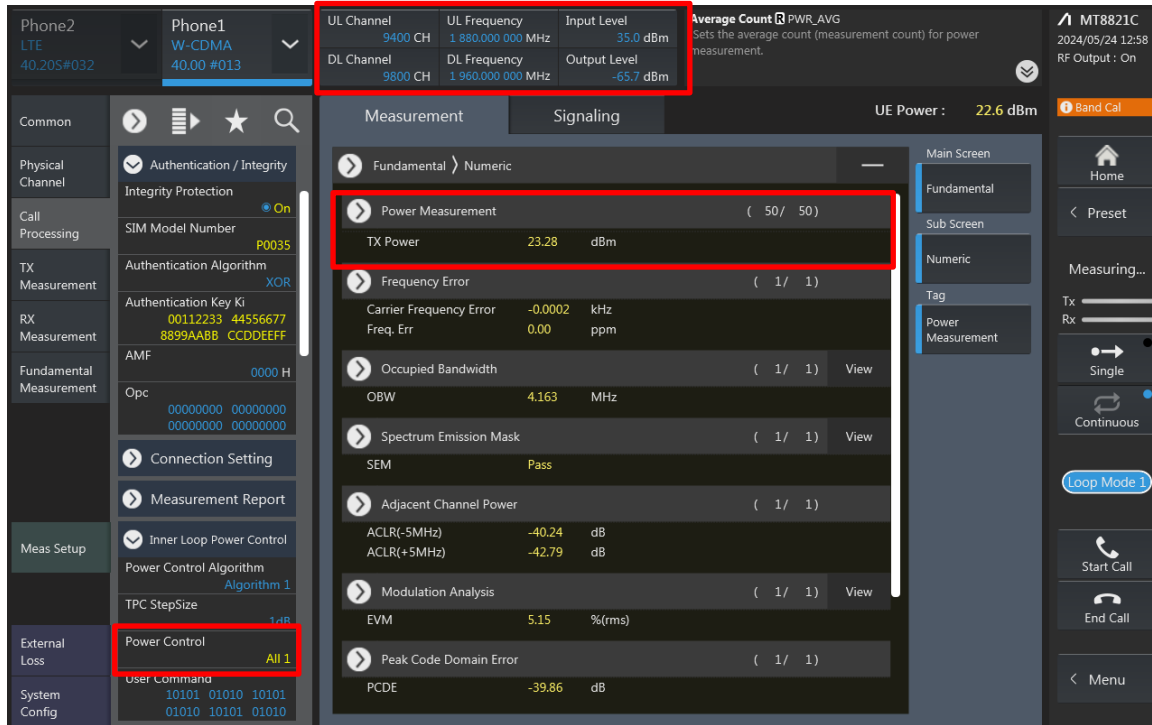
<GSM>



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

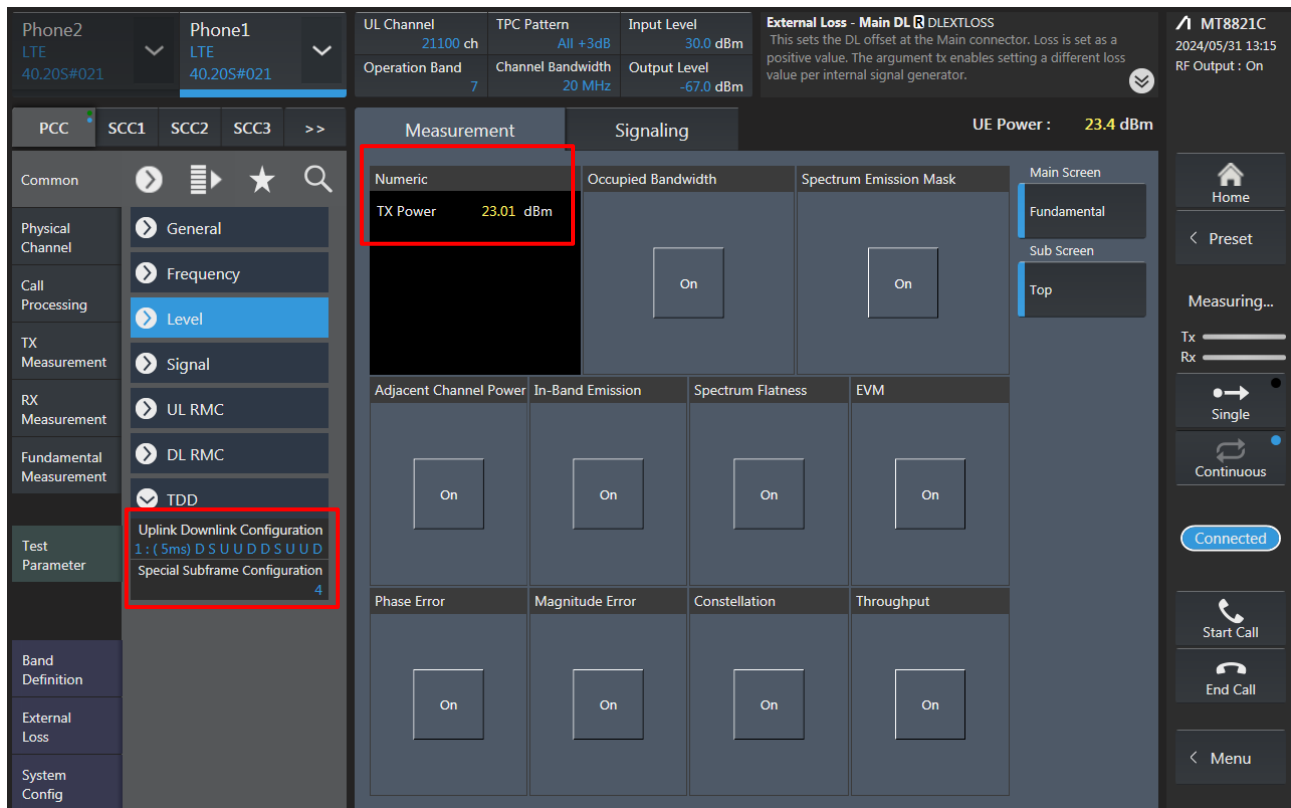
- Top Bar:** Shows Phone2 (LTE, 40.205#032) and Phone1 (GSM, 40.00 #013). It also displays TCH Channel (189 CH), TCH UL Frequency (836.400 000 MHz), Input Level (35.0 dBm), TCH DL Frequency (881.400 000 MHz), and Output Level (-55.0 dBm). The Coding Scheme is set to CS.
- Left Sidebar:** Contains navigation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



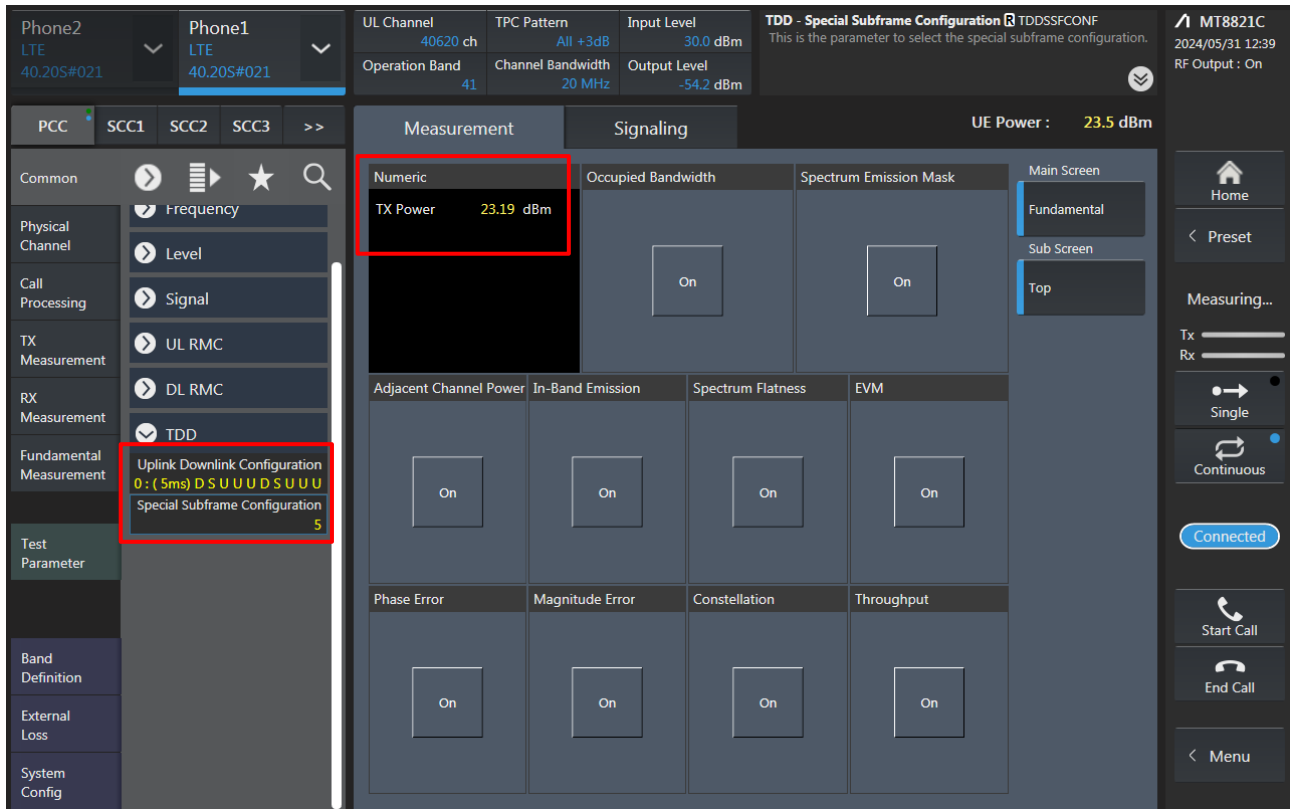
The screenshot displays the WCDMA measurement interface. The top bar shows 'Phone2 LTE 40.20S#032' and 'Phone1 W-CDMA 40.00 #013'. The 'Measurement' tab is active, showing 'Fundamental' and 'Numeric' views. The 'Power Measurement' section is highlighted with a red box, showing 'TX Power' at 23.28 dBm. 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 'Physical Channel' section shows 'Authentication / Integrity' and 'Integrity Protection' settings. The 'Call Processing' section shows 'SIM Model Number' as P0035. The 'TX Measurement' section shows 'Authentication Algorithm' as XOR. The 'RX Measurement' section shows 'Authentication Key Ki' as 00112233 44556677 8899AABB CCDDDEFF. The 'Fundamental Measurement' section shows 'AMF' as 0000 H and 'Opc' as 00000000 00000000 00000000 00000000. The 'Meas Setup' section shows 'Inner Loop Power Control' and 'Power Control Algorithm' as Algorithm 1. The 'External Loss' section shows 'Power Control' as All 1. The 'System Config' section shows 'User Command' as 10101 01010 10101 01010 10101 01010.

<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 'TX Power' is 23.01 dBm. The 'Occupied Bandwidth' section shows 'OBW' at 20 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 23.4 dBm. The 'Physical Channel' section shows 'General' and 'Frequency' settings. The 'Call Processing' section shows 'Level' and 'Signal' settings. The 'TX Measurement' section shows 'UL RMC' and 'DL RMC' settings. The 'RX Measurement' section shows 'TDD' and 'Uplink Downlink Configuration' as 1: (5ms) D S U U D D S U U D. The 'Fundamental Measurement' section shows 'Special Subframe Configuration' as 4. The 'Test Parameter' section shows 'Band Definition' and 'External Loss' settings. The 'System Config' section shows 'System Config' settings.

<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

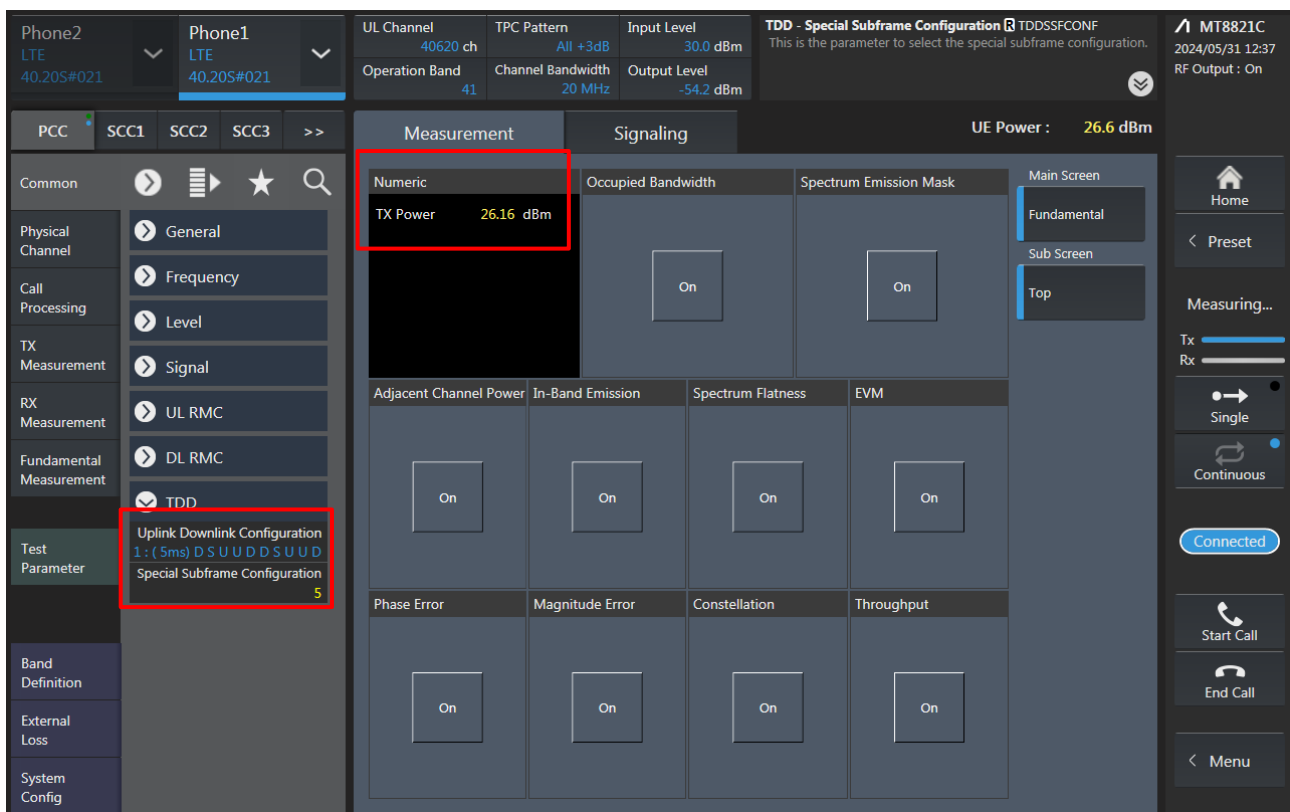
Common Frequency Level Signal UL RMC DL RMC TDD Uplink Downlink Configuration 0 : (5ms) D S U U U D S U U U Special Subframe Configuration 5

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

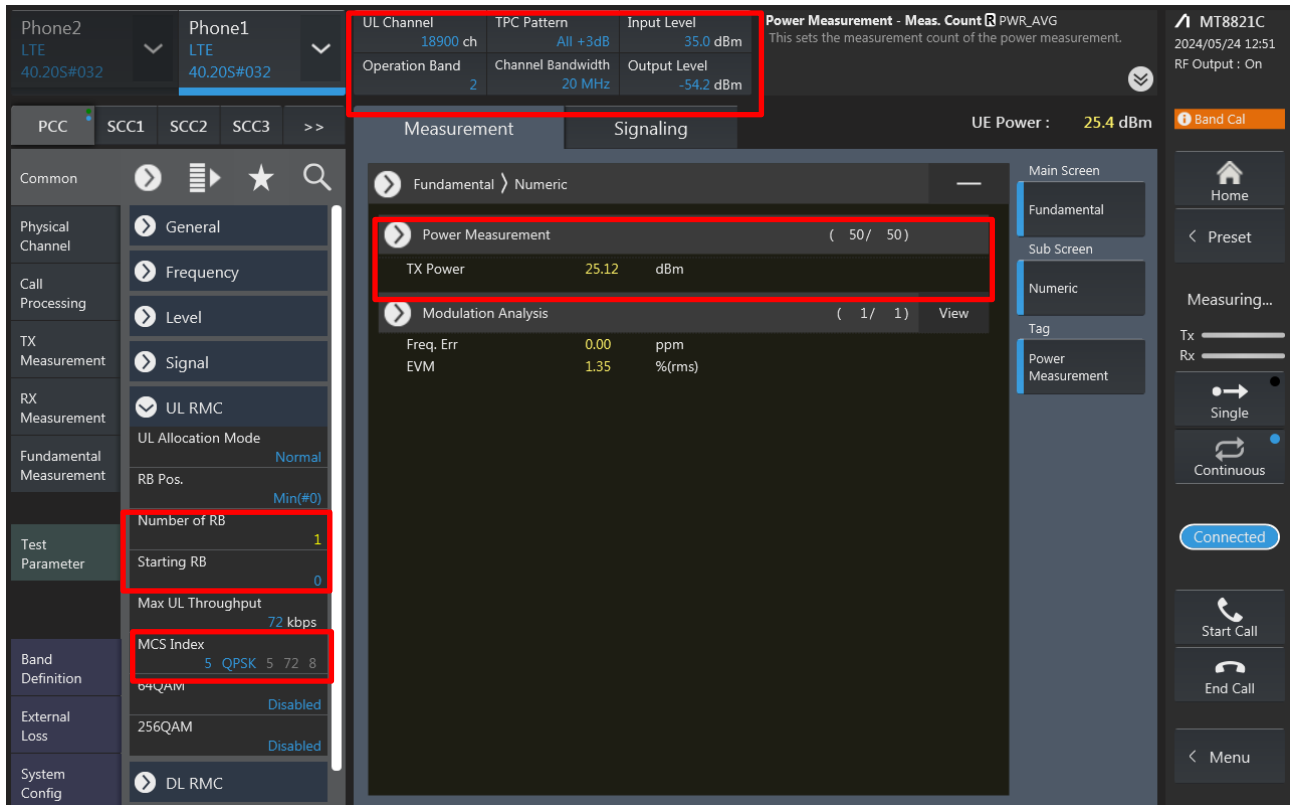
On On On On

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

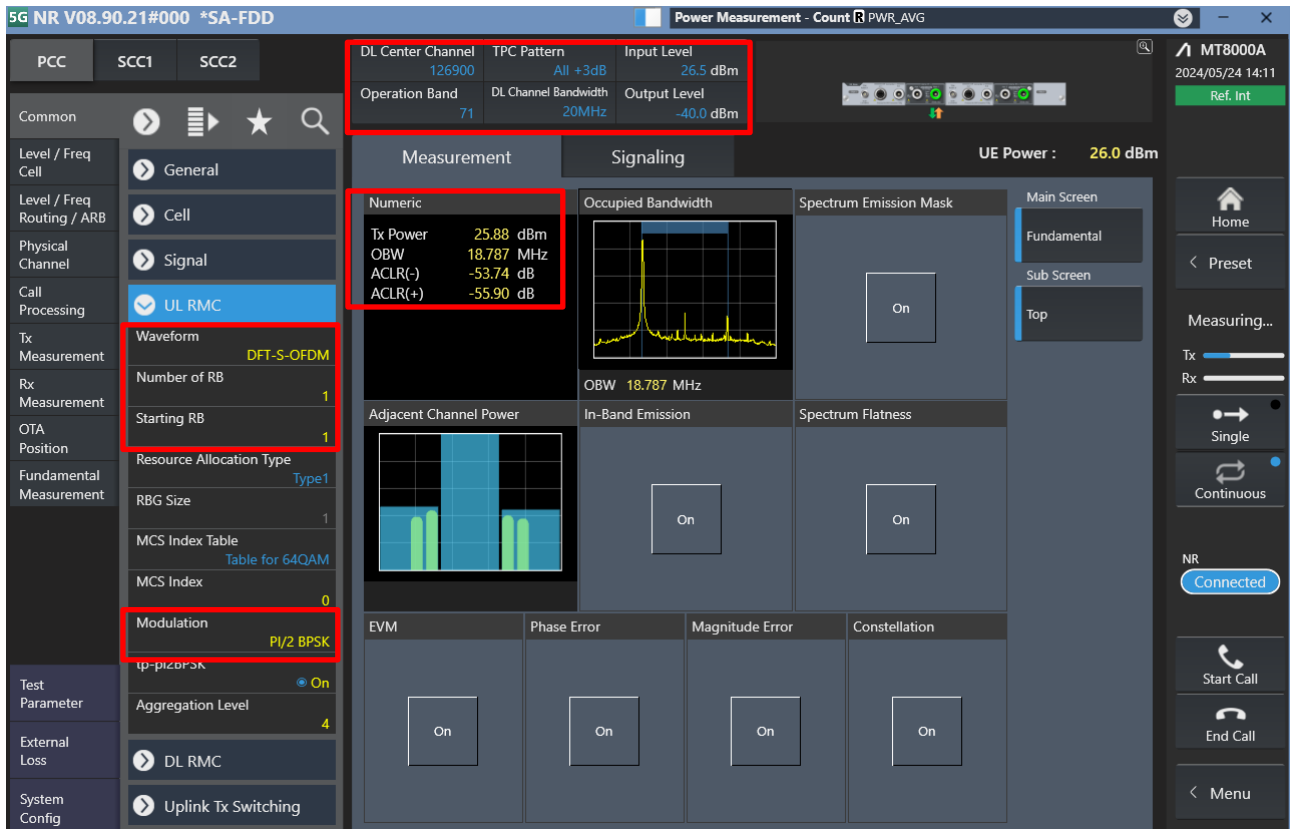
Physical Channel Call Processing TX Measurement RX Measurement Fundamental Measurement Test Parameter Band Definition External Loss System Config

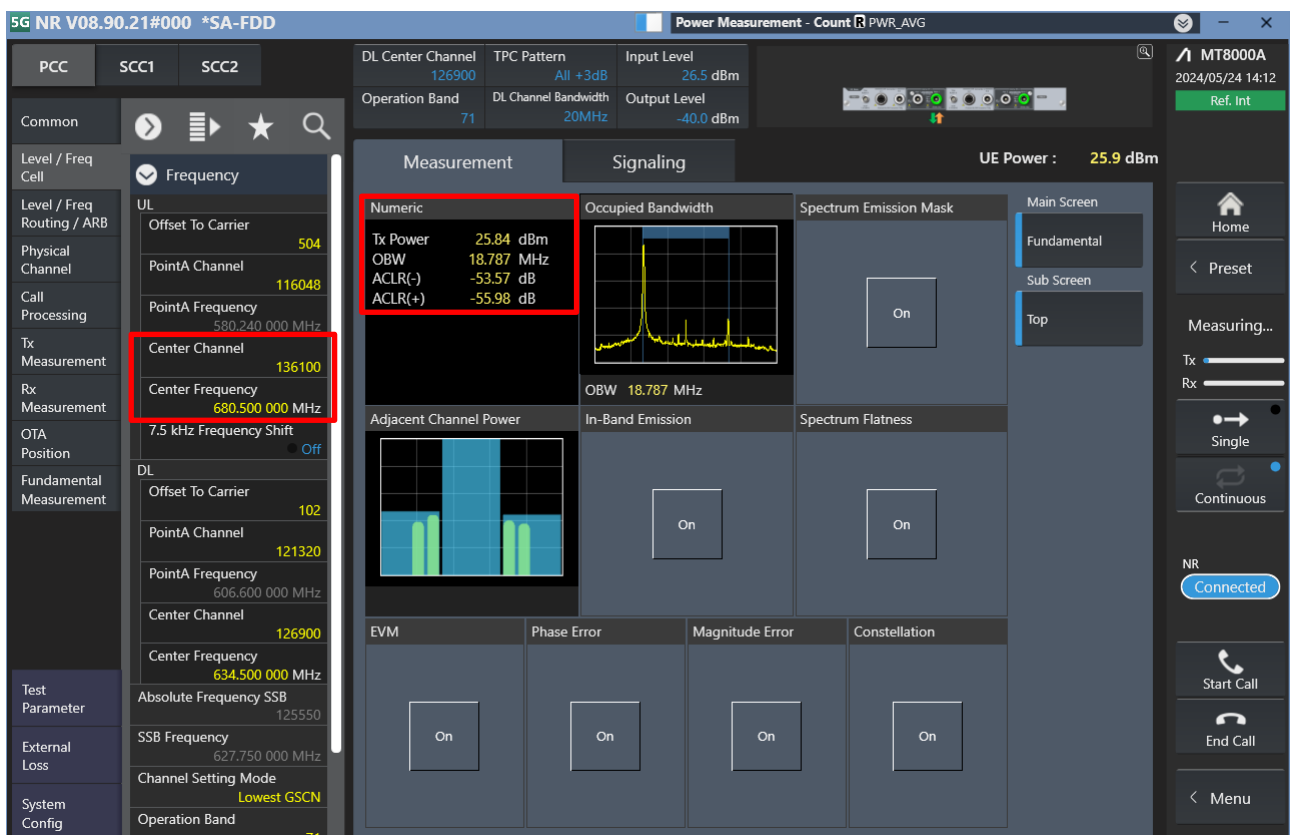
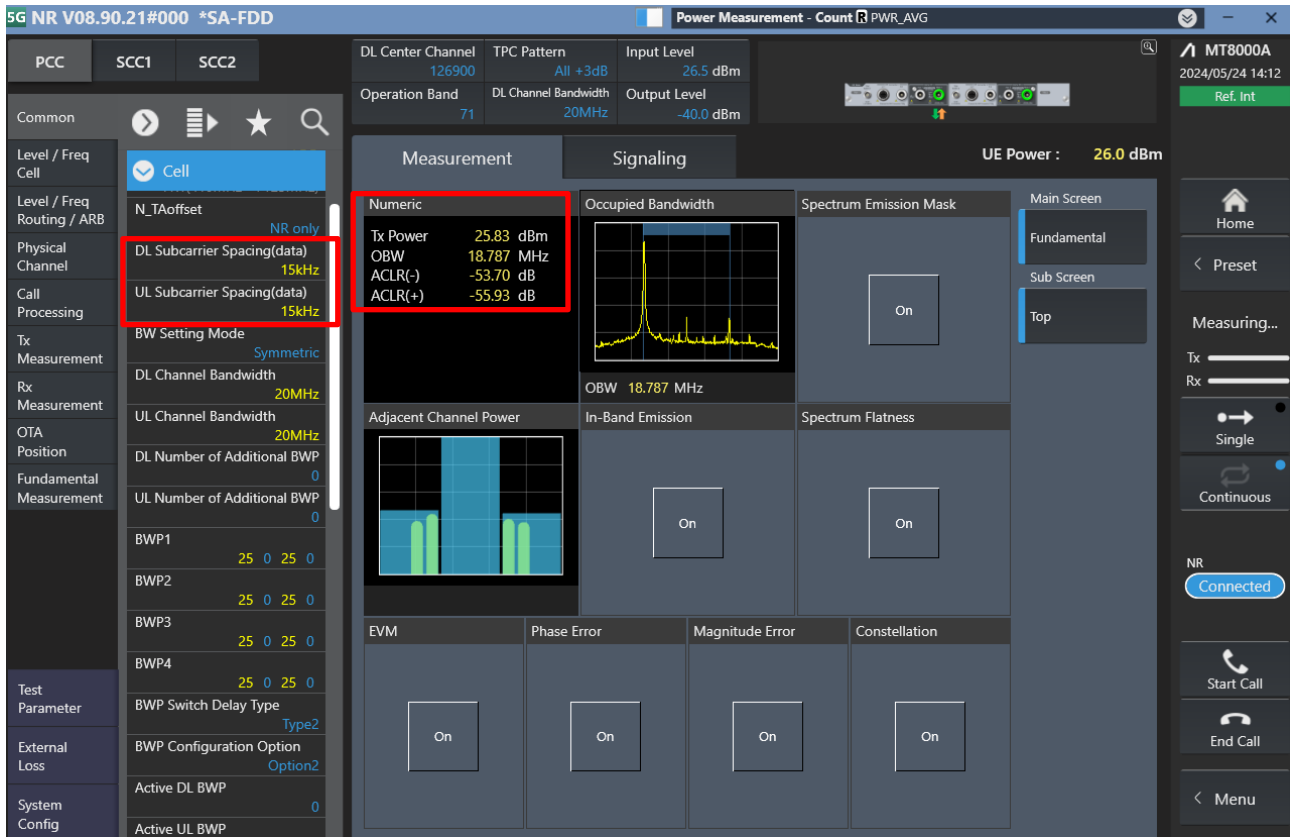
Main Screen Fundamental Sub Screen Top

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



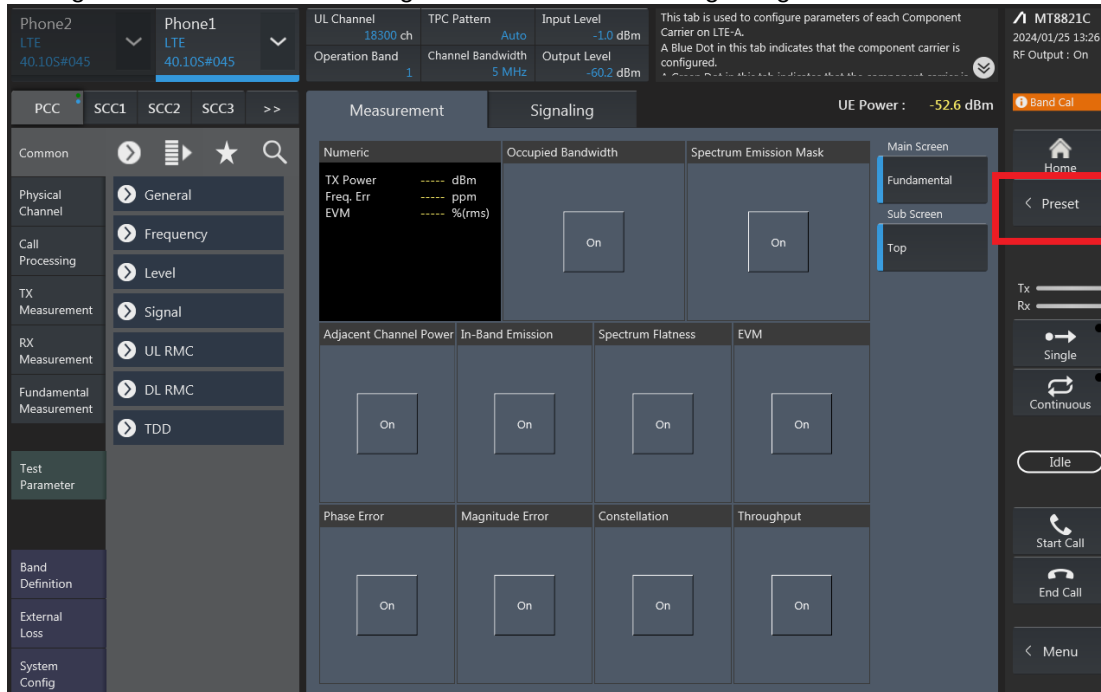
<5G NR FR1>





LTE Uplink and Downlink Carrier Aggregation configurations:

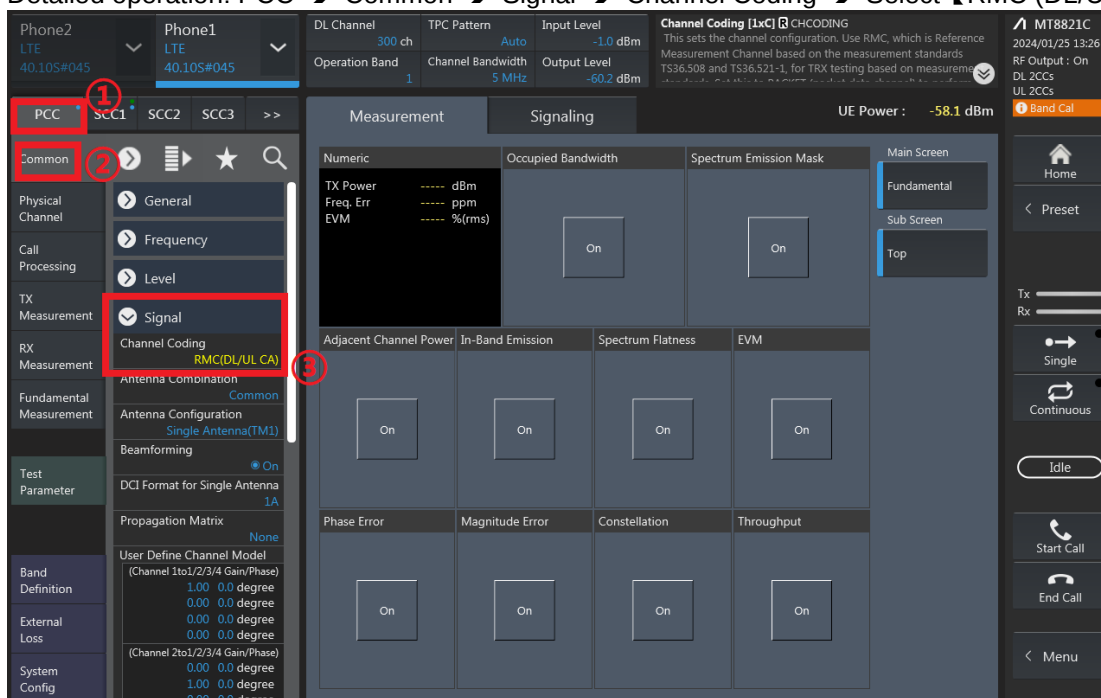
1. Change the Scenario in the Configuration of Phone1 LTE Signaling and Preset.



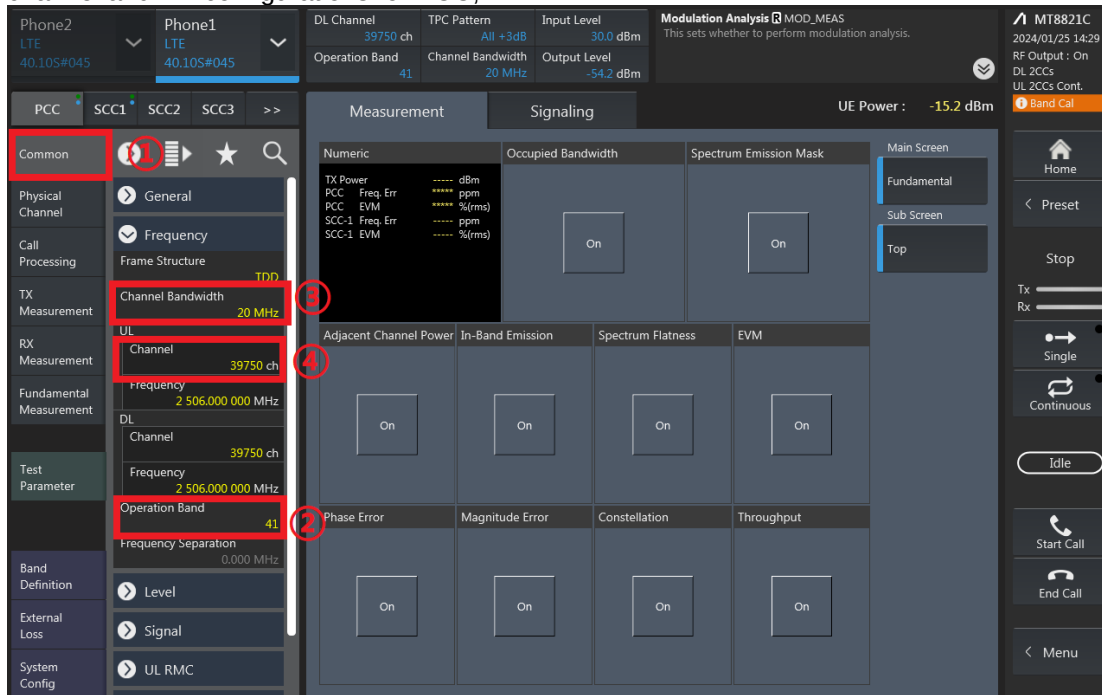
2. If Select "RMC (DL/UL CA)" for Uplink Carrier Aggregation;
If Select "RMC (DL CA)" for Downlink Carrier Aggregation.

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;



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.

UE Power : -15.2 dBm

Measurement Signaling

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

TX Power PCC Freq. Err. dBm PPM PCC EVM % (rms) SCC-1 Freq. Err. PPM SCC-1 EVM % (rms)

Occupied Bandwidth

Spectrum Emission Mask

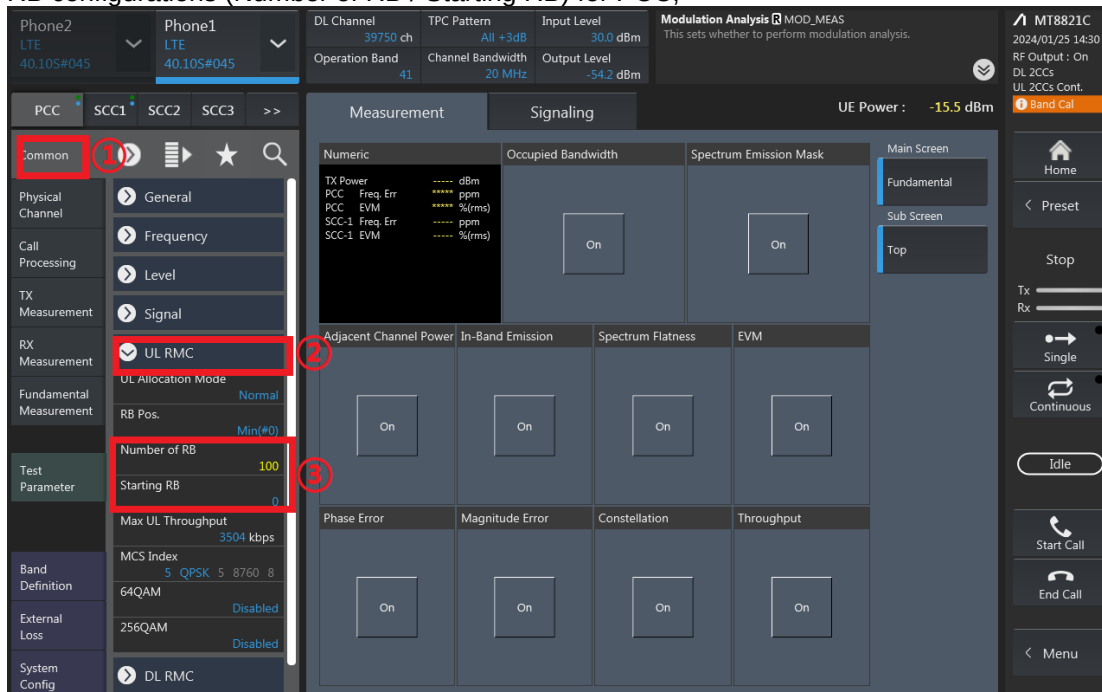
Main Screen Fundamental Sub Screen Top

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

Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

Phase Error Magnitude Error Constellation Throughput

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.

UE Power : -15.5 dBm

Measurement Signaling

Common

Physical Channel General

Call Processing Frequency

TX Measurement Level

RX Measurement Signal

Fundamental Measurement UL RMC

Test Parameter UL Allocation Mode Normal RB Pos. Min(#0) Number of RB 100 Starting RB 0 Max UL Throughput 3504 kbps MCS Index 5 QPSK 5 8760 8 64QAM 256QAM Disabled Disabled

Band Definition DL RMC

Numeric

TX Power PCC Freq. Err. dBm PPM PCC EVM % (rms) SCC-1 Freq. Err. PPM SCC-1 EVM % (rms)

Occupied Bandwidth

Spectrum Emission Mask

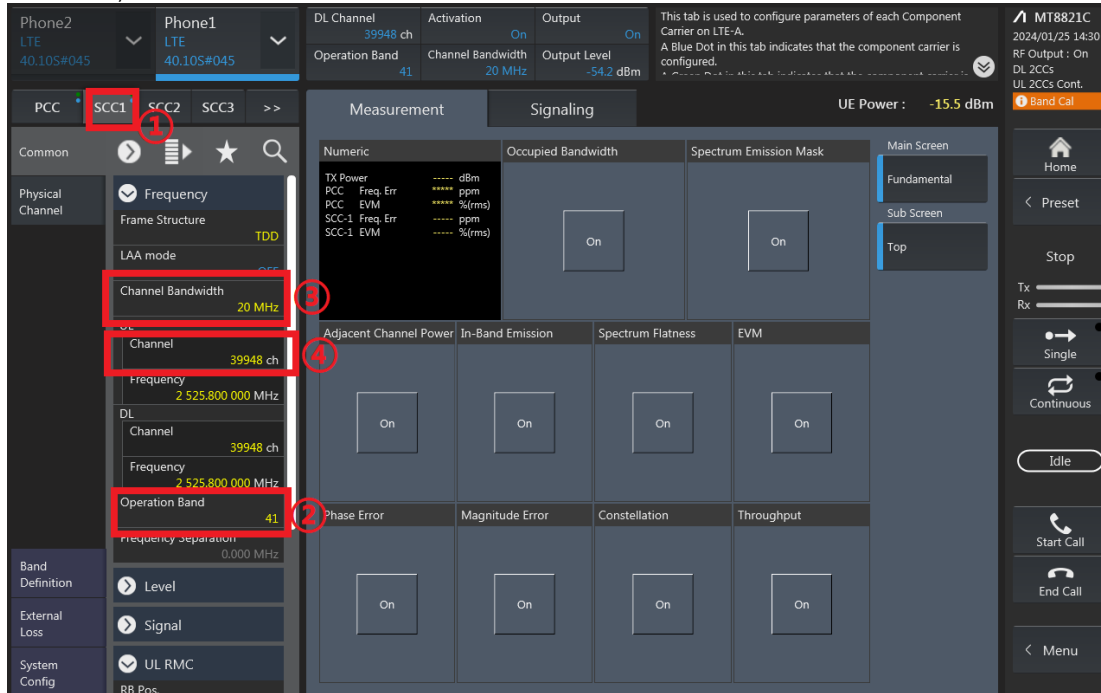
Main Screen Fundamental Sub Screen Top

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

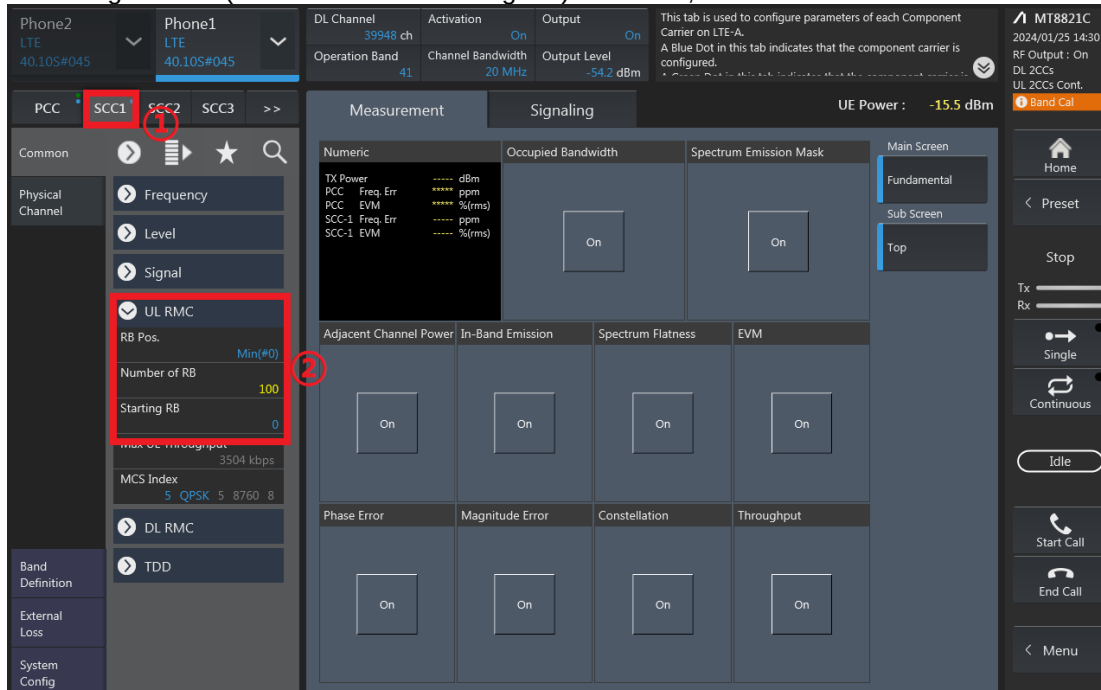
Adjacent Channel Power In-Band Emission Spectrum Flatness EVM

Phase Error Magnitude Error Constellation Throughput

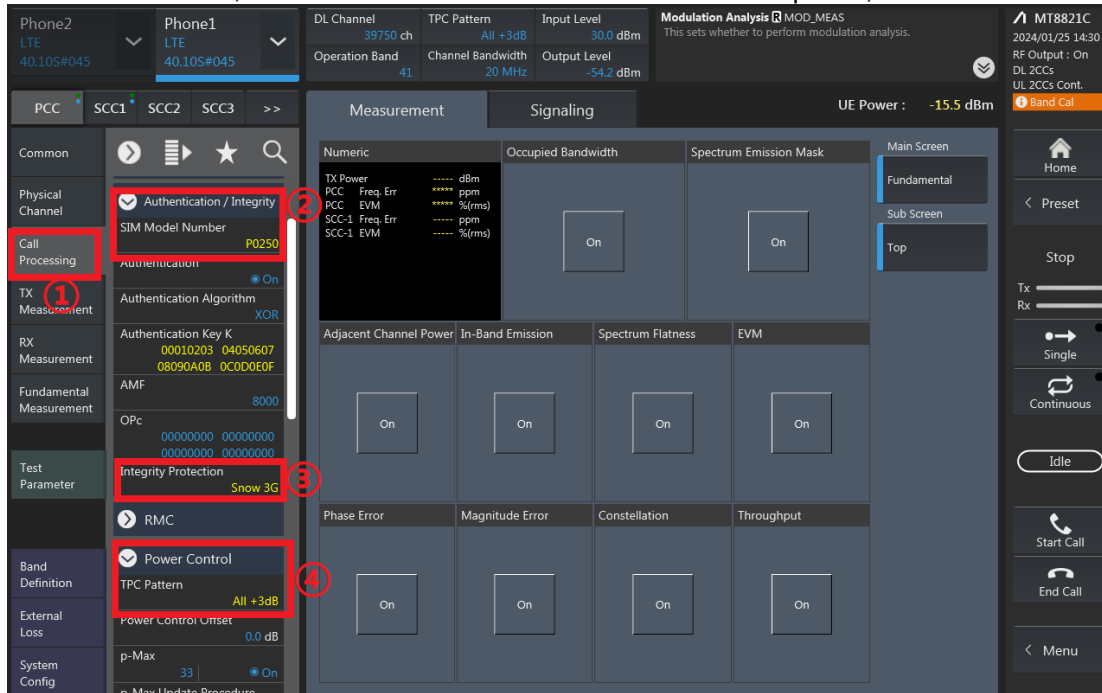
4. SCC parameter Settings: Select the SCC1 tab, Set operating band, BW, channel, and RB configurations for SCC1;



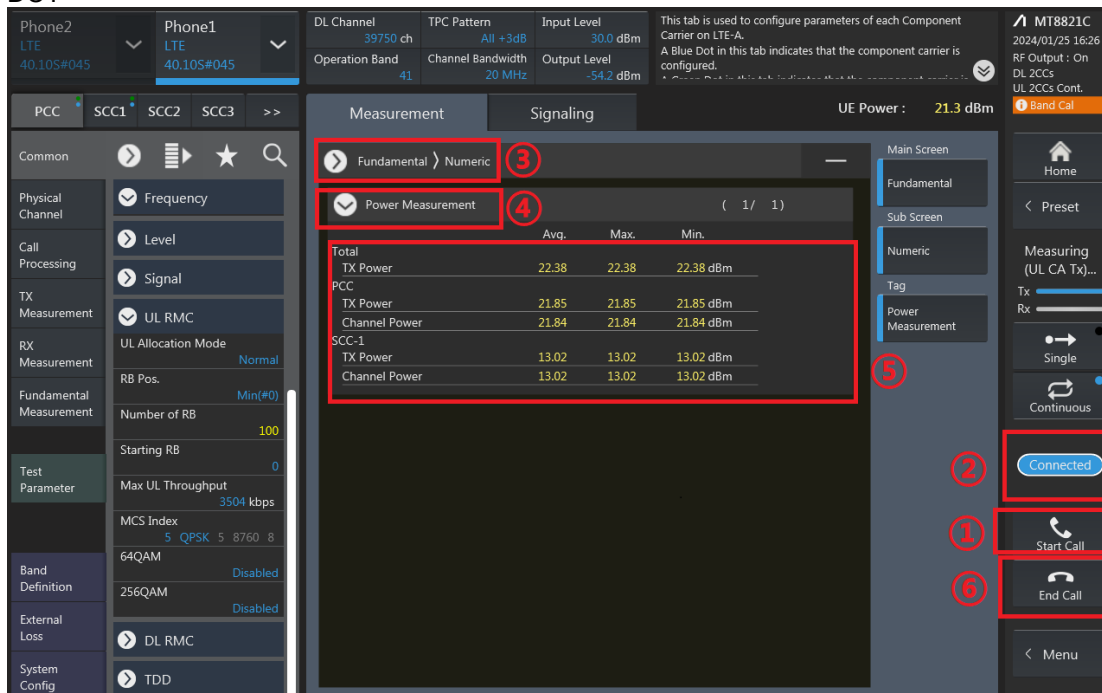
RB configurations (Number of RB / Starting RB) for SCC1;



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



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

Full & Default Power & DSI 4_Uplink CA

CA_7C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.63	24.00
21100	21298	QPSK	1	99	1	0	22.65	24.00
21350	21152	QPSK	1	0	1	99	22.59	24.00

CA_5B Ant 0								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	22.51	24.00
20476	20575	QPSK	1	49	1	0	22.63	24.00
20600	20501	QPSK	1	0	1	49	22.49	24.00

CA_38C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	23.34	25.00
37901	38099	QPSK	1	99	1	0	23.37	25.00
38150	37952	QPSK	1	0	1	99	23.34	25.00

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	22.48	24.00
21100	21298	QPSK	1	99	1	0	22.59	24.00
21350	21152	QPSK	1	0	1	99	22.41	24.00

CA_5B Ant 1								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	22.13	24.00
20476	20575	QPSK	1	49	1	0	22.15	24.00
20600	20501	QPSK	1	0	1	49	22.09	24.00

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	23.21	25.00
37901	38099	QPSK	1	99	1	0	23.27	25.00
38150	37952	QPSK	1	0	1	99	23.17	25.00

CA_7C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.09	23.00
21100	21298	QPSK	1	99	1	0	22.13	23.00
21350	21152	QPSK	1	0	1	99	22.07	23.00

CA_38C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.49	24.00
37901	38099	QPSK	1	99	1	0	22.65	24.00
38150	37952	QPSK	1	0	1	99	22.63	24.00

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	22.91	24.00
21100	21298	QPSK	1	99	1	0	22.98	24.00
21350	21152	QPSK	1	0	1	99	22.89	24.00

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	22.96	25.00
37901	38099	QPSK	1	99	1	0	23.28	25.00
38150	37952	QPSK	1	0	1	99	23.24	25.00

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	23.71
40185	40383	QPSK	1	99	1	0	23.86
40620	40818	QPSK	1	99	1	0	23.89
41055	41253	QPSK	1	99	1	0	23.73
41490	41292	QPSK	1	0	1	99	23.67

CA_41C HPUE 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	25.77
40185	40383	QPSK	1	99	1	0	25.82
40620	40818	QPSK	1	99	1	0	25.86
41055	41253	QPSK	1	99	1	0	25.85
41490	41292	QPSK	1	0	1	99	25.68

CA_48C 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	
55340	55538	QPSK	1	99	1	0	23.75
55830	56028	QPSK	1	99	1	0	23.83
56150	56348	QPSK	1	99	1	0	23.71
56640	56442	QPSK	1	0	1	99	23.76

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	24.06
40185	40383	QPSK	1	99	1	0	24.01
40620	40818	QPSK	1	99	1	0	24.12
41055	41253	QPSK	1	99	1	0	23.98
41490	41292	QPSK	1	0	1	99	24.07

CA_41C HPUE 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	26.05
40185	40383	QPSK	1	99	1	0	25.95
40620	40818	QPSK	1	99	1	0	26.09
41055	41253	QPSK	1	99	1	0	25.98
41490	41292	QPSK	1	0	1	99	25.96

CA_48C Ant 8							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
55340	55538	QPSK	1	99	1	0	23.45
55830	56028	QPSK	1	99	1	0	23.56
56150	56348	QPSK	1	99	1	0	23.51
56640	56442	QPSK	1	0	1	99	23.44

CA_41C Ant 0							
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	23.29
40185	40383	QPSK	1	99	1	0	23.19
40620	40818	QPSK	1	99	1	0	23.35
41055	41253	QPSK	1	99	1	0	23.21
41490	41292	QPSK	1	0	1	99	23.27

CA_41C HPUE Ant 0							
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	25.33
40185	40383	QPSK	1	99	1	0	25.17
40620	40818	QPSK	1	99	1	0	25.37
41055	41253	QPSK	1	99	1	0	25.25
41490	41292	QPSK	1	0	1	99	25.16

CA_48C 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	
55340	55538	QPSK	1	99	1	0	23.41
55830	56028	QPSK	1	99	1	0	23.45
56150	56348	QPSK	1	99	1	0	23.38
56640	56442	QPSK	1	0	1	99	23.35

CA_41C Ant 1							
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	23.65
40185	40383	QPSK	1	99	1	0	23.71
40620	40818	QPSK	1	99	1	0	23.84
41055	41253	QPSK	1	99	1	0	23.80
41490	41292	QPSK	1	0	1	99	23.71

CA_41C HPUE Ant 1							
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	25.79
40185	40383	QPSK	1	99	1	0	25.82
40620	40818	QPSK	1	99	1	0	25.87
41055	41253	QPSK	1	99	1	0	25.75
41490	41292	QPSK	1	0	1	99	25.72

CA_48C 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	
55340	55538	QPSK	1	99	1	0	22.45
55830	56028	QPSK	1	99	1	0	22.53
56150	56348	QPSK	1	99	1	0	22.43
56640	56442	QPSK	1	0	1	99	22.41

CA_48B Ant 4								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	23.32	25.00
55820	55913	QPSK	1	74	1	0	23.35	25.00
56160	56253	QPSK	1	74	1	0	23.25	25.00
56665	56672	QPSK	1	0	1	24	23.29	25.00

CA_48B Ant 8								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	23.05	24.00
55820	55913	QPSK	1	74	1	0	23.08	24.00
56160	56253	QPSK	1	74	1	0	23.03	24.00
56665	56672	QPSK	1	0	1	24	23.07	24.00

CA_48B Ant 3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	22.89	24.00
55820	55913	QPSK	1	74	1	0	22.95	24.00
56160	56253	QPSK	1	74	1	0	22.93	24.00
56665	56672	QPSK	1	0	1	24	22.91	24.00

CA_48B Ant 5								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	22.22	24.00
55820	55913	QPSK	1	74	1	0	22.25	24.00
56160	56253	QPSK	1	74	1	0	22.18	24.00
56665	56672	QPSK	1	0	1	24	22.16	24.00

CA_42C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	22.79	24.00
42590	42788	QPSK	1	99	1	0	22.83	24.00
42990	42792	QPSK	1	0	1	99	22.71	24.00

CA_42C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	22.71	24.00
42590	42788	QPSK	1	99	1	0	22.89	24.00
42990	42792	QPSK	1	0	1	99	22.83	24.00

CA_42C 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		
42190	42388	QPSK	1	99	1	0	21.78	23.00
42590	42788	QPSK	1	99	1	0	21.85	23.00
42990	42792	QPSK	1	0	1	99	21.73	23.00

CA_42C 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		
42190	42388	QPSK	1	99	1	0	21.98	23.00
42590	42788	QPSK	1	99	1	0	22.01	23.00
42990	42792	QPSK	1	0	1	99	21.97	23.00

Reduced Power Mode for DSI 2

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	17.8
21100	21298	QPSK	1	99	1	0	17.85
21350	21152	QPSK	1	0	1	99	17.79

CA_5B Ant 0							
Combination 10MHz+10MHz (50RB+50RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20450	20549	QPSK	1	49	1	0	22.51
20476	20575	QPSK	1	49	1	0	22.63
20600	20501	QPSK	1	0	1	49	22.49

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	19.77
37901	38099	QPSK	1	99	1	0	19.87
38150	37952	QPSK	1	0	1	99	19.66

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	19.58
21100	21298	QPSK	1	99	1	0	19.82
21350	21152	QPSK	1	0	1	99	19.69

CA_5B Ant 1							
Combination 10MHz+10MHz (50RB+50RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20450	20549	QPSK	1	49	1	0	22.13
20476	20575	QPSK	1	49	1	0	22.15
20600	20501	QPSK	1	0	1	49	22.09

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	16.68
37901	38099	QPSK	1	99	1	0	16.86
38150	37952	QPSK	1	0	1	99	16.61

CA_7C Ant 0							
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	22.09
21100	21298	QPSK	1	99	1	0	22.13
21350	21152	QPSK	1	0	1	99	22.07

CA_38C Ant 0							
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	22.49
37901	38099	QPSK	1	99	1	0	22.85
38150	37952	QPSK	1	0	1	99	22.63

CA_7C Ant 1							
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	22.91
21100	21298	QPSK	1	99	1	0	22.98
21350	21152	QPSK	1	0	1	99	22.89

CA_38C Ant 1							
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	22.96
37901	38099	QPSK	1	99	1	0	23.28
38150	37952	QPSK	1	0	1	99	23.24

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	19.70
40185	40383	QPSK	1	99	1	0	19.81
40620	40818	QPSK	1	99	1	0	19.90
41055	41253	QPSK	1	99	1	0	19.82
41490	41292	QPSK	1	0	1	99	19.71

CA_41C HPUE 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	21.22
40185	40383	QPSK	1	99	1	0	21.34
40620	40818	QPSK	1	99	1	0	21.47
41055	41253	QPSK	1	99	1	0	21.20
41490	41292	QPSK	1	0	1	99	21.28

CA_48C 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	
55340	55538	QPSK	1	99	1	0	19.41
55830	56028	QPSK	1	99	1	0	19.65
56150	56348	QPSK	1	99	1	0	19.59
56640	56442	QPSK	1	0	1	99	19.6

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	16.82
40185	40383	QPSK	1	99	1	0	16.81
40620	40818	QPSK	1	99	1	0	17.04
41055	41253	QPSK	1	99	1	0	16.79
41490	41292	QPSK	1	0	1	99	16.81

CA_41C HPUE 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	18.60
40185	40383	QPSK	1	99	1	0	18.64
40620	40818	QPSK	1	99	1	0	18.83
41055	41253	QPSK	1	99	1	0	18.59
41490	41292	QPSK	1	0	1	99	18.46

CA_48C Ant 8							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
55340	55538	QPSK	1	99	1	0	17.48
55830	56028	QPSK	1	99	1	0	17.58
56150	56348	QPSK	1	99	1	0	17.38
56640	56442	QPSK	1	0	1	99	17.43

CA_41C Ant 0							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	23.29
40185	40383	QPSK	1	99	1	0	23.19
40620	40818	QPSK	1	99	1	0	23.35
41055	41253	QPSK	1	99	1	0	23.21
41490	41292	QPSK	1	0	1	99	23.27

CA_41C HPUE Ant 0							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	25.33
40185	40383	QPSK	1	99	1	0	25.17
40620	40818	QPSK	1	99	1	0	25.37
41055	41253	QPSK	1	99	1	0	25.25
41490	41292	QPSK	1	0	1	99	25.16

CA_48C 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	
55340	55538	QPSK	1	99	1	0	19.72
55830	56028	QPSK	1	99	1	0	19.96
56150	56348	QPSK	1	99	1	0	19.74
56640	56442	QPSK	1	0	1	99	19.75

CA_41C Ant 1							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	23.65
40185	40383	QPSK	1	99	1	0	23.71
40620	40818	QPSK	1	99	1	0	23.84
41055	41253	QPSK	1	99	1	0	23.80
41490	41292	QPSK	1	0	1	99	23.71

CA_41C HPUE Ant 1							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	25.79
40185	40383	QPSK	1	99	1	0	25.82
40620	40818	QPSK	1	99	1	0	25.87
41055	41253	QPSK	1	99	1	0	25.75
41490	41292	QPSK	1	0	1	99	25.72

CA_48C 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	
55340	55538	QPSK	1	99	1	0	19.54
55830	56028	QPSK	1	99	1	0	19.73
56150	56348	QPSK	1	99	1	0	19.54
56640	56442	QPSK	1	0	1	99	19.57

CA_48B Ant 4								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	19.02	20.70
55820	55913	QPSK	1	74	1	0	19.09	20.70
56160	56253	QPSK	1	74	1	0	19.07	20.70
56665	56572	QPSK	1	0	1	24	19.07	20.70

CA_48B Ant 8								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	16.94	18.50
55820	55913	QPSK	1	74	1	0	17.08	18.50
56160	56253	QPSK	1	74	1	0	16.85	18.50
56665	56572	QPSK	1	0	1	24	16.85	18.50

CA_48B Ant 3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	19.27	21.00
55820	55913	QPSK	1	74	1	0	19.36	21.00
56160	56253	QPSK	1	74	1	0	19.37	21.00
56665	56572	QPSK	1	0	1	24	19.23	21.00

CA_48B Ant 5								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	19.07	20.90
55820	55913	QPSK	1	74	1	0	19.21	20.90
56160	56253	QPSK	1	74	1	0	19.14	20.90
56665	56572	QPSK	1	0	1	24	19.17	20.90

CA_42C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	20.58	21.90
42590	42788	QPSK	1	99	1	0	20.79	21.90
42990	42792	QPSK	1	0	1	99	20.73	21.90

CA_42C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	20.08	21.20
42590	42788	QPSK	1	99	1	0	20.29	21.20
42990	42792	QPSK	1	0	1	99	19.94	21.20

CA_42C 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		
42190	42388	QPSK	1	99	1	0	18.76	19.90
42590	42788	QPSK	1	99	1	0	18.94	19.90
42990	42792	QPSK	1	0	1	99	18.7	19.90

CA_42C 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		
42190	42388	QPSK	1	99	1	0	19.57	20.70
42590	42788	QPSK	1	99	1	0	19.67	20.70
42990	42792	QPSK	1	0	1	99	19.52	20.70

Reduced Power Mode for DSI 3

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	20.15	21.80
21100	21298	QPSK	1	99	1	0	20.35	21.80
21350	21152	QPSK	1	0	1	99	20.22	21.80

CA_5B Ant 0								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	22.51	24.00
20476	20575	QPSK	1	49	1	0	22.63	24.00
20600	20501	QPSK	1	0	1	49	22.49	24.00

CA_38C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.34	23.50
37901	38099	QPSK	1	99	1	0	22.36	23.50
38150	37952	QPSK	1	0	1	99	22.23	23.50

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	22.11	23.60
21100	21298	QPSK	1	99	1	0	22.21	23.60
21350	21152	QPSK	1	0	1	99	22	23.60

CA_5B Ant 1								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	22.13	24.00
20476	20575	QPSK	1	49	1	0	22.15	24.00
20600	20501	QPSK	1	0	1	49	22.09	24.00

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	20.86	22.30
37901	38099	QPSK	1	99	1	0	20.9	22.30
38150	37952	QPSK	1	0	1	99	20.72	22.30

CA_7C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.09	23.00
21100	21298	QPSK	1	99	1	0	22.13	23.00
21350	21152	QPSK	1	0	1	99	22.07	23.00

CA_38C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.6	23.10
37901	38099	QPSK	1	99	1	0	21.61	23.10
38150	37952	QPSK	1	0	1	99	21.6	23.10

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.91	24.00
21100	21298	QPSK	1	99	1	0	22.96	24.00
21350	21152	QPSK	1	0	1	99	22.89	24.00

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	22.96	25.00
37901	38099	QPSK	1	99	1	0	23.28	25.00
38150	37952	QPSK	1	0	1	99	23.24	25.00

CA_41C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.32	23.50
40185	40383	QPSK	1	99	1	0	22.36	23.50
40620	40818	QPSK	1	99	1	0	22.37	23.50
41055	41253	QPSK	1	99	1	0	22.27	23.50
41490	41292	QPSK	1	0	1	99	22.17	23.50

CA_41C HPUE 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	24.11	25.10
40185	40383	QPSK	1	99	1	0	24.15	25.10
40620	40818	QPSK	1	99	1	0	24.23	25.10
41055	41253	QPSK	1	99	1	0	24.17	25.10
41490	41292	QPSK	1	0	1	99	24.22	25.10

CA_48C 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		
55340	55538	QPSK	1	99	1	0	20.85	22.40
55830	56028	QPSK	1	99	1	0	20.93	22.40
56150	56348	QPSK	1	99	1	0	20.89	22.40
56640	56442	QPSK	1	0	1	99	20.91	22.40

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	20.86	22.30
40185	40383	QPSK	1	99	1	0	20.97	22.30
40620	40818	QPSK	1	99	1	0	21.06	22.30
41055	41253	QPSK	1	99	1	0	20.98	22.30
41490	41292	QPSK	1	0	1	99	21.04	22.30

CA_41C HPUE 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	22.61	23.90
40185	40383	QPSK	1	99	1	0	22.67	23.90
40620	40818	QPSK	1	99	1	0	22.63	23.90
41055	41253	QPSK	1	99	1	0	22.47	23.90
41490	41292	QPSK	1	0	1	99	22.62	23.90

CA_48C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	19.85	21.30
55830	56028	QPSK	1	99	1	0	19.95	21.30
56150	56348	QPSK	1	99	1	0	19.71	21.30
56640	56442	QPSK	1	0	1	99	19.92	21.30

CA_41C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.59	23.10
40185	40383	QPSK	1	99	1	0	21.63	23.10
40620	40818	QPSK	1	99	1	0	21.79	23.10
41055	41253	QPSK	1	99	1	0	21.62	23.10
41490	41292	QPSK	1	0	1	99	21.78	23.10

CA_41C HPUE Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.30	24.70
40185	40383	QPSK	1	99	1	0	23.33	24.70
40620	40818	QPSK	1	99	1	0	23.36	24.70
41055	41253	QPSK	1	99	1	0	23.24	24.70
41490	41292	QPSK	1	0	1	99	23.35	24.70

CA_48C 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		
55340	55538	QPSK	1	99	1	0	23.41	24.00
55830	56028	QPSK	1	99	1	0	23.45	24.00
56150	56348	QPSK	1	99	1	0	23.38	24.00
56640	56442	QPSK	1	0	1	99	23.35	24.00

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.65	25.00
40185	40383	QPSK	1	99	1	0	23.71	25.00
40620	40818	QPSK	1	99	1	0	23.84	25.00
41055	41253	QPSK	1	99	1	0	23.80	25.00
41490	41292	QPSK	1	0	1	99	23.71	25.00

CA_41C HPUE Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.79	27.00
40185	40383	QPSK	1	99	1	0	25.82	27.00
40620	40818	QPSK	1	99	1	0	25.87	27.00
41055	41253	QPSK	1	99	1	0	25.75	27.00
41490	41292	QPSK	1	0	1	99	25.72	27.00

CA_48C 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		
55340	55538	QPSK	1	99	1	0	22.45	23.40
55830	56028	QPSK	1	99	1	0	22.53	23.40
56150	56348	QPSK	1	99	1	0	22.43	23.40
56640	56442	QPSK	1	0	1	99	22.41	23.40

CA_48B Ant 4								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	20.6	22.40
55820	55913	QPSK	1	74	1	0	20.69	22.40
56160	56253	QPSK	1	74	1	0	20.68	22.40
56665	56572	QPSK	1	0	1	24	20.65	22.40

CA_48B Ant 8								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	19.39	21.30
55820	55913	QPSK	1	74	1	0	19.61	21.30
56160	56253	QPSK	1	74	1	0	19.34	21.30
56665	56572	QPSK	1	0	1	24	19.58	21.30

CA_48B Ant 3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	22.86	24.00
55820	55913	QPSK	1	74	1	0	22.89	24.00
56160	56253	QPSK	1	74	1	0	22.79	24.00
56665	56572	QPSK	1	0	1	24	22.84	24.00

CA_48B Ant 5								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	21.99	23.40
55820	55913	QPSK	1	74	1	0	22.02	23.40
56160	56253	QPSK	1	74	1	0	21.8	23.40
56665	56572	QPSK	1	0	1	24	22	23.40

CA_42C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	22.37	23.90
42590	42788	QPSK	1	99	1	0	22.39	23.90
42990	42792	QPSK	1	0	1	99	22.31	23.90

CA_42C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	20.74	22.30
42590	42788	QPSK	1	99	1	0	20.75	22.30
42990	42792	QPSK	1	0	1	99	20.7	22.30

CA_42C 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		
42190	42388	QPSK	1	99	1	0	21.78	23.00
42590	42788	QPSK	1	99	1	0	21.85	23.00
42990	42792	QPSK	1	0	1	99	21.73	23.00

CA_42C 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		
42190	42388	QPSK	1	99	1	0	21.98	23.00
42590	42788	QPSK	1	99	1	0	22.01	23.00
42990	42792	QPSK	1	0	1	99	21.97	23.00

Reduced Power Mode for DSI 7

CA_7C Ant 2							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	17.23
21100	21298	QPSK	1	99	1	0	17.3
21350	21152	QPSK	1	0	1	99	17.27

CA_5B Ant 0							
Combination 10MHz+10MHz (50RB+50RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20450	20549	QPSK	1	49	1	0	22.51
20476	20575	QPSK	1	49	1	0	22.63
20600	20501	QPSK	1	0	1	49	22.49

CA_38C Ant 2							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	18.82
37901	38099	QPSK	1	99	1	0	18.91
38150	37952	QPSK	1	0	1	99	18.85

CA_7C Ant 3							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	17.97
21100	21298	QPSK	1	99	1	0	18.01
21350	21152	QPSK	1	0	1	99	17.92

CA_5B Ant 1							
Combination 10MHz+10MHz (50RB+50RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20450	20549	QPSK	1	49	1	0	22.13
20476	20575	QPSK	1	49	1	0	22.15
20600	20501	QPSK	1	0	1	49	22.09

CA_38C Ant 3							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	16.37
37901	38099	QPSK	1	99	1	0	16.46
38150	37952	QPSK	1	0	1	99	16.43

CA_7C Ant 0							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	19.04
21100	21298	QPSK	1	99	1	0	19.05
21350	21152	QPSK	1	0	1	99	19.07

CA_38C Ant 0							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	19.69
37901	38099	QPSK	1	99	1	0	19.76
38150	37952	QPSK	1	0	1	99	19.61

CA_7C Ant 1							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	22.91
21100	21298	QPSK	1	99	1	0	22.95
21350	21152	QPSK	1	0	1	99	22.89

CA_38C Ant 1							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	22.56
37901	38099	QPSK	1	99	1	0	22.72
38150	37952	QPSK	1	0	1	99	22.59

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	18.77
40185	40383	QPSK	1	99	1	0	18.93
40620	40818	QPSK	1	99	1	0	18.95
41055	41253	QPSK	1	99	1	0	18.77
41490	41292	QPSK	1	0	1	99	18.81

CA_41C HPUE 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	20.38
40185	40383	QPSK	1	99	1	0	20.36
40620	40818	QPSK	1	99	1	0	20.42
41055	41253	QPSK	1	99	1	0	20.38
41490	41292	QPSK	1	0	1	99	20.41

CA_48C 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	
55340	55538	QPSK	1	99	1	0	18.46
55830	56028	QPSK	1	99	1	0	18.51
56150	56348	QPSK	1	99	1	0	18.39
56640	56442	QPSK	1	0	1	99	18.51

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	16.46
40185	40383	QPSK	1	99	1	0	16.48
40620	40818	QPSK	1	99	1	0	16.59
41055	41253	QPSK	1	99	1	0	16.50
41490	41292	QPSK	1	0	1	99	16.53

CA_41C HPUE 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	17.95
40185	40383	QPSK	1	99	1	0	18.07
40620	40818	QPSK	1	99	1	0	18.11
41055	41253	QPSK	1	99	1	0	17.96
41490	41292	QPSK	1	0	1	99	18.09

CA_48C Ant 8							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
55340	55538	QPSK	1	99	1	0	18.34
55830	56028	QPSK	1	99	1	0	18.46
56150	56348	QPSK	1	99	1	0	18.42
56640	56442	QPSK	1	0	1	99	18.43

CA_41C Ant 0							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	19.65
40185	40383	QPSK	1	99	1	0	19.73
40620	40818	QPSK	1	99	1	0	19.74
41055	41253	QPSK	1	99	1	0	19.72
41490	41292	QPSK	1	0	1	99	19.66

CA_41C HPUE Ant 0							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	21.34
40185	40383	QPSK	1	99	1	0	21.23
40620	40818	QPSK	1	99	1	0	21.36
41055	41253	QPSK	1	99	1	0	21.35
41490	41292	QPSK	1	0	1	99	21.28

CA_48C 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	
55340	55538	QPSK	1	99	1	0	20.44
55830	56028	QPSK	1	99	1	0	20.52
56150	56348	QPSK	1	99	1	0	20.44
56640	56442	QPSK	1	0	1	99	20.35

CA_41C Ant 1							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	22.70
40185	40383	QPSK	1	99	1	0	22.67
40620	40818	QPSK	1	99	1	0	22.79
41055	41253	QPSK	1	99	1	0	22.68
41490	41292	QPSK	1	0	1	99	22.78

CA_41C HPUE Ant 1							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	24.37
40185	40383	QPSK	1	99	1	0	24.36
40620	40818	QPSK	1	99	1	0	24.50
41055	41253	QPSK	1	99	1	0	24.36
41490	41292	QPSK	1	0	1	99	24.4

CA_48C 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	
55340	55538	QPSK	1	99	1	0	17.92
55830	56028	QPSK	1	99	1	0	17.96
56150	56348	QPSK	1	99	1	0	17.86
56640	56442	QPSK	1	0	1	99	17.84

CA_48B Ant 4							
Combination 15MHz+5MHz (75RB+25RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
55315	55408	QPSK	1	74	1	0	17.99
55820	55913	QPSK	1	74	1	0	18.09
56160	56253	QPSK	1	74	1	0	18.01
56665	56572	QPSK	1	0	1	24	17.93

CA_48B Ant 8							
Combination 15MHz+5MHz (75RB+25RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
55315	55408	QPSK	1	74	1	0	17.9
55820	55913	QPSK	1	74	1	0	18.03
56160	56253	QPSK	1	74	1	0	17.99
56665	56572	QPSK	1	0	1	24	17.98

CA_48B Ant 3							
Combination 15MHz+5MHz (75RB+25RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
55315	55408	QPSK	1	74	1	0	19.9
55820	55913	QPSK	1	74	1	0	19.99
56160	56253	QPSK	1	74	1	0	19.94
56665	56572	QPSK	1	0	1	24	19.9

CA_48B Ant 5							
Combination 15MHz+5MHz (75RB+25RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
55315	55408	QPSK	1	74	1	0	17.53
55820	55913	QPSK	1	74	1	0	17.65
56160	56253	QPSK	1	74	1	0	17.61
56665	56572	QPSK	1	0	1	24	17.63

CA_42C 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	
42190	42388	QPSK	1	99	1	0	18.32
42590	42788	QPSK	1	99	1	0	18.37
42990	42792	QPSK	1	0	1	99	18.35

CA_42C Ant 8							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
42190	42388	QPSK	1	99	1	0	19.35
42590	42788	QPSK	1	99	1	0	19.42
42990	42792	QPSK	1	0	1	99	19.4

CA_42C 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	
42190	42388	QPSK	1	99	1	0	18.74
42590	42788	QPSK	1	99	1	0	18.84
42990	42792	QPSK	1	0	1	99	18.75

CA_42C 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	
42190	42388	QPSK	1	99	1	0	18.33
42590	42788	QPSK	1	99	1	0	18.44
42990	42792	QPSK	1	0	1	99	18.28

Reduced Power Mode for DSI 6

CA_7C Ant 2							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	Tune up Power (dBm)
20850	21048	QPSK	1	99	1	0	21.7
21100	21298	QPSK	1	99	1	0	21.71
21350	21152	QPSK	1	0	1	99	21.67

CA_5B Ant 0							
Combination 10MHz+10MHz (50RB+50RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	Tune up Power (dBm)
20450	20549	QPSK	1	49	1	0	22.51
20476	20575	QPSK	1	49	1	0	22.63
20600	20501	QPSK	1	0	1	49	22.49

CA_38C Ant 2							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	Tune up Power (dBm)
37850	38048	QPSK	1	99	1	0	23.34
37901	38099	QPSK	1	99	1	0	23.37
38150	37952	QPSK	1	0	1	99	23.34

CA_7C Ant 3							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	Tune up Power (dBm)
20850	21048	QPSK	1	99	1	0	21.06
21100	21298	QPSK	1	99	1	0	21.08
21350	21152	QPSK	1	0	1	99	21.13

CA_5B Ant 1							
Combination 10MHz+10MHz (50RB+50RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	Tune up Power (dBm)
20450	20549	QPSK	1	49	1	0	22.13
20476	20575	QPSK	1	49	1	0	22.15
20600	20501	QPSK	1	0	1	49	22.09

CA_38C Ant 3							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	Tune up Power (dBm)
37850	38048	QPSK	1	99	1	0	20.84
37901	38099	QPSK	1	99	1	0	21.01
38150	37952	QPSK	1	0	1	99	20.92

CA_7C Ant 0							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	Tune up Power (dBm)
20850	21048	QPSK	1	99	1	0	22.09
21100	21298	QPSK	1	99	1	0	22.13
21350	21152	QPSK	1	0	1	99	22.07

CA_38C Ant 0							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	Tune up Power (dBm)
37850	38048	QPSK	1	99	1	0	22.49
37901	38099	QPSK	1	99	1	0	22.65
38150	37952	QPSK	1	0	1	99	22.63

CA_7C Ant 1							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	Tune up Power (dBm)
20850	21048	QPSK	1	99	1	0	22.91
21100	21298	QPSK	1	99	1	0	22.95
21350	21152	QPSK	1	0	1	99	22.89

CA_38C Ant 1							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	Tune up Power (dBm)
37850	38048	QPSK	1	99	1	0	22.96
37901	38099	QPSK	1	99	1	0	23.25
38150	37952	QPSK	1	0	1	99	23.24

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	23.36
40185	40383	QPSK	1	99	1	0	23.35
40620	40818	QPSK	1	99	1	0	23.38
41055	41253	QPSK	1	99	1	0	23.27
41490	41292	QPSK	1	0	1	99	23.25

CA_41C HPUE 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	24.88
40185	40383	QPSK	1	99	1	0	24.87
40620	40818	QPSK	1	99	1	0	24.95
41055	41253	QPSK	1	99	1	0	24.87
41490	41292	QPSK	1	0	1	99	24.83

CA_48C 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	
55340	55538	QPSK	1	99	1	0	22.47
55830	56028	QPSK	1	99	1	0	22.63
56150	56348	QPSK	1	99	1	0	22.52
56640	56442	QPSK	1	0	1	99	22.5

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	21.09
40185	40383	QPSK	1	99	1	0	21.02
40620	40818	QPSK	1	99	1	0	21.10
41055	41253	QPSK	1	99	1	0	21.02
41490	41292	QPSK	1	0	1	99	21

CA_41C HPUE 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	22.71
40185	40383	QPSK	1	99	1	0	22.72
40620	40818	QPSK	1	99	1	0	22.85
41055	41253	QPSK	1	99	1	0	22.62
41490	41292	QPSK	1	0	1	99	22.62

CA_48C Ant 8							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
55340	55538	QPSK	1	99	1	0	21.47
55830	56028	QPSK	1	99	1	0	21.53
56150	56348	QPSK	1	99	1	0	21.3
56640	56442	QPSK	1	0	1	99	21.47

CA_41C Ant 0							
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	23.29
40185	40383	QPSK	1	99	1	0	23.19
40620	40818	QPSK	1	99	1	0	23.35
41055	41253	QPSK	1	99	1	0	23.21
41490	41292	QPSK	1	0	1	99	23.27

CA_41C HPUE Ant 0							
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	25.33
40185	40383	QPSK	1	99	1	0	25.17
40620	40818	QPSK	1	99	1	0	25.37
41055	41253	QPSK	1	99	1	0	25.25
41490	41292	QPSK	1	0	1	99	25.16

CA_48C 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	
55340	55538	QPSK	1	99	1	0	23.41
55830	56028	QPSK	1	99	1	0	23.45
56150	56348	QPSK	1	99	1	0	23.38
56640	56442	QPSK	1	0	1	99	23.35

CA_41C Ant 1							
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	23.65
40185	40383	QPSK	1	99	1	0	23.71
40620	40818	QPSK	1	99	1	0	23.54
41055	41253	QPSK	1	99	1	0	23.80
41490	41292	QPSK	1	0	1	99	23.71

CA_41C HPUE Ant 1							
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	25.79
40185	40383	QPSK	1	99	1	0	25.82
40620	40818	QPSK	1	99	1	0	25.87
41055	41253	QPSK	1	99	1	0	25.75
41490	41292	QPSK	1	0	1	99	25.72

CA_48C 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	
55340	55538	QPSK	1	99	1	0	22.45
55830	56028	QPSK	1	99	1	0	22.63
56150	56348	QPSK	1	99	1	0	22.43
56640	56442	QPSK	1	0	1	99	22.41

CA_48B Ant 4							
Combination 15MHz+5MHz (75RB+25RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
55315	55408	QPSK	1	74	1	0	21.89
55820	55913	QPSK	1	74	1	0	22.08
56160	56253	QPSK	1	74	1	0	22
56665	56572	QPSK	1	0	1	24	22.05

CA_48B Ant 8							
Combination 15MHz+5MHz (75RB+25RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
55315	55408	QPSK	1	74	1	0	20.99
55820	55913	QPSK	1	74	1	0	21.05
56160	56253	QPSK	1	74	1	0	20.95
56665	56572	QPSK	1	0	1	24	20.95

CA_48B Ant 3							
Combination 15MHz+5MHz (75RB+25RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
55315	55408	QPSK	1	74	1	0	22.86
55820	55913	QPSK	1	74	1	0	22.88
56160	56253	QPSK	1	74	1	0	22.79
56665	56572	QPSK	1	0	1	24	22.84

CA_48B Ant 5							
Combination 15MHz+5MHz (75RB+25RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
55315	55408	QPSK	1	74	1	0	22.18
55820	55913	QPSK	1	74	1	0	22.34
56160	56253	QPSK	1	74	1	0	22.04
56665	56572	QPSK	1	0	1	24	22.2

CA_42C 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	
42190	42388	QPSK	1	99	1	0	22.27
42590	42788	QPSK	1	99	1	0	22.29
42990	42792	QPSK	1	0	1	99	22.27

CA_42C Ant 8							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
42190	42388	QPSK	1	99	1	0	21.39
42590	42788	QPSK	1	99	1	0	21.49
42990	42792	QPSK	1	0	1	99	21.33

CA_42C 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	
42190	42388	QPSK	1	99	1	0	21.78
42590	42788	QPSK	1	99	1	0	21.85
42990	42792	QPSK	1	0	1	99	21.73

CA_42C 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	
42190	42388	QPSK	1	99	1	0	21.96
42590	42788	QPSK	1	99	1	0	22.01
42990	42792	QPSK	1	0	1	99	21.97

Reduced Power Mode for DSI 10

CA_7C Ant 2							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	21.59
21100	21298	QPSK	1	99	1	0	21.63
21350	21152	QPSK	1	0	1	99	21.45

CA_7C Ant 3							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	22.48
21100	21298	QPSK	1	99	1	0	22.59
21350	21152	QPSK	1	0	1	99	22.41

CA_7C Ant 0							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	22.09
21100	21298	QPSK	1	99	1	0	22.13
21350	21152	QPSK	1	0	1	99	22.07

CA_7C Ant 1							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	22.91
21100	21298	QPSK	1	99	1	0	22.98
21350	21152	QPSK	1	0	1	99	22.89

CA_5B Ant 0							
Combination 10MHz+10MHz (50RB+50RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20450	20549	QPSK	1	49	1	0	22.51
20476	20575	QPSK	1	49	1	0	22.63
20600	20501	QPSK	1	0	1	49	22.49

CA_5B Ant 1							
Combination 10MHz+10MHz (50RB+50RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20450	20549	QPSK	1	49	1	0	22.13
20476	20575	QPSK	1	49	1	0	22.15
20600	20501	QPSK	1	0	1	49	22.09

CA_38C Ant 2							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	22.73
37901	38099	QPSK	1	99	1	0	22.74
38150	37952	QPSK	1	0	1	99	22.45

CA_38C Ant 3							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	21.27
37901	38099	QPSK	1	99	1	0	21.44
38150	37952	QPSK	1	0	1	99	21.3

CA_38C Ant 0							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	22.49
37901	38099	QPSK	1	99	1	0	22.65
38150	37952	QPSK	1	0	1	99	22.63

CA_38C Ant 1							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	22.96
37901	38099	QPSK	1	99	1	0	23.28
38150	37952	QPSK	1	0	1	99	23.24

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	22.72
40185	40383	QPSK	1	99	1	0	22.80
40620	40818	QPSK	1	99	1	0	22.93
41055	41253	QPSK	1	99	1	0	22.74
41490	41292	QPSK	1	0	1	99	22.72

CA_41C HPUE 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	25.04
40185	40383	QPSK	1	99	1	0	25.03
40620	40818	QPSK	1	99	1	0	25.08
41055	41253	QPSK	1	99	1	0	24.78
41490	41292	QPSK	1	0	1	99	25.01

CA_48C 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	
55340	55538	QPSK	1	99	1	0	22.81
55830	56028	QPSK	1	99	1	0	23.00
56150	56348	QPSK	1	99	1	0	22.96
56640	56442	QPSK	1	0	1	99	22.89

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	21.44
40185	40383	QPSK	1	99	1	0	21.36
40620	40818	QPSK	1	99	1	0	21.66
41055	41253	QPSK	1	99	1	0	21.42
41490	41292	QPSK	1	0	1	99	21.3

CA_41C HPUE 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	23.14
40185	40383	QPSK	1	99	1	0	23.04
40620	40818	QPSK	1	99	1	0	23.24
41055	41253	QPSK	1	99	1	0	23.06
41490	41292	QPSK	1	0	1	99	23.04

CA_48C Ant 8							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
55340	55538	QPSK	1	99	1	0	20.43
55830	56028	QPSK	1	99	1	0	20.64
56150	56348	QPSK	1	99	1	0	20.43
56640	56442	QPSK	1	0	1	99	20.45

CA_41C Ant 0							
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	23.29
40185	40383	QPSK	1	99	1	0	23.19
40620	40818	QPSK	1	99	1	0	23.35
41055	41253	QPSK	1	99	1	0	23.21
41490	41292	QPSK	1	0	1	99	23.27

CA_41C HPUE Ant 0							
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	25.33
40185	40383	QPSK	1	99	1	0	25.17
40620	40818	QPSK	1	99	1	0	25.37
41055	41253	QPSK	1	99	1	0	25.25
41490	41292	QPSK	1	0	1	99	25.16

CA_48C 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	
55340	55538	QPSK	1	99	1	0	23.41
55830	56028	QPSK	1	99	1	0	23.45
56150	56348	QPSK	1	99	1	0	23.38
56640	56442	QPSK	1	0	1	99	23.35

CA_41C Ant 1							
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	23.65
40185	40383	QPSK	1	99	1	0	23.71
40620	40818	QPSK	1	99	1	0	23.84
41055	41253	QPSK	1	99	1	0	23.80
41490	41292	QPSK	1	0	1	99	23.71

CA_41C HPUE Ant 1							
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	25.79
40185	40383	QPSK	1	99	1	0	25.82
40620	40818	QPSK	1	99	1	0	25.87
41055	41253	QPSK	1	99	1	0	25.75
41490	41292	QPSK	1	0	1	99	25.72

CA_48C 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	
55340	55538	QPSK	1	99	1	0	22.45
55830	56028	QPSK	1	99	1	0	22.53
56150	56348	QPSK	1	99	1	0	22.43
56640	56442	QPSK	1	0	1	99	22.41

CA_48B Ant 4							
Combination 15MHz+5MHz (75RB+25RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
55315	55408	QPSK	1	74	1	0	22.43
55820	55913	QPSK	1	74	1	0	22.76
56160	56253	QPSK	1	74	1	0	22.67
56665	56572	QPSK	1	0	1	24	22.55

CA_48B Ant 8							
Combination 15MHz+5MHz (75RB+25RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
55315	55408	QPSK	1	74	1	0	20.24
55820	55913	QPSK	1	74	1	0	20.33
56160	56253	QPSK	1	74	1	0	20.17
56665	56572	QPSK	1	0	1	24	20.26

CA_48B Ant 3							
Combination 15MHz+5MHz (75RB+25RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
55315	55408	QPSK	1	74	1	0	22.86
55820	55913	QPSK	1	74	1	0	22.89
56160	56253	QPSK	1	74	1	0	22.79
56665	56572	QPSK	1	0	1	24	22.84

CA_48B Ant 5							
Combination 15MHz+5MHz (75RB+25RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
55315	55408	QPSK	1	74	1	0	22.19
55820	55913	QPSK	1	74	1	0	22.30
56160	56253	QPSK	1	74	1	0	22.08
56665	56572	QPSK	1	0	1	24	22.18

CA_42C 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	
42190	42388	QPSK	1	99	1	0	22.79
42590	42788	QPSK	1	99	1	0	22.83
42990	42792	QPSK	1	0	1	99	22.71

CA_42C Ant 8							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
42190	42388	QPSK	1	99	1	0	22.71
42590	42788	QPSK	1	99	1	0	22.89
42990	42792	QPSK	1	0	1	99	22.83

CA_42C 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	
42190	42388	QPSK	1	99	1	0	21.78
42590	42788	QPSK	1	99	1	0	21.85
42990	42792	QPSK	1	0	1	99	21.73

CA_42C Ant 6							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
42190	42388	QPSK	1	99	1	0	21.98
42590	42788	QPSK	1	99	1	0	22.01
42990	42792	QPSK	1	0	1	99	21.97

Reduced Power Mode for DSI 11

CA_7C Ant 2							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	18.3
21100	21298	QPSK	1	99	1	0	18.39
21350	21152	QPSK	1	0	1	99	18.18

CA_5B Ant 0							
Combination 10MHz+10MHz (50RB+50RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20450	20549	QPSK	1	49	1	0	22.51
20476	20575	QPSK	1	49	1	0	22.63
20600	20501	QPSK	1	0	1	49	22.49

CA_38C Ant 2							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	18.97
37901	38099	QPSK	1	99	1	0	19.02
38150	37952	QPSK	1	0	1	99	18.72

CA_7C Ant 3							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	19.76
21100	21298	QPSK	1	99	1	0	20.03
21350	21152	QPSK	1	0	1	99	19.82

CA_5B Ant 1							
Combination 10MHz+10MHz (50RB+50RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20450	20549	QPSK	1	49	1	0	22.13
20476	20575	QPSK	1	49	1	0	22.15
20600	20501	QPSK	1	0	1	49	22.09

CA_38C Ant 3							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	18.19
37901	38099	QPSK	1	99	1	0	18.44
38150	37952	QPSK	1	0	1	99	18.23

CA_7C Ant 0							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	20.7
21100	21298	QPSK	1	99	1	0	20.9
21350	21152	QPSK	1	0	1	99	20.67

CA_38C Ant 0							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	22.49
37901	38099	QPSK	1	99	1	0	22.65
38150	37952	QPSK	1	0	1	99	22.63

CA_7C Ant 1							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	22.91
21100	21298	QPSK	1	99	1	0	22.98
21350	21152	QPSK	1	0	1	99	22.89

CA_38C Ant 1							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	22.96
37901	38099	QPSK	1	99	1	0	23.28
38150	37952	QPSK	1	0	1	99	23.24

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	19.26
40185	40383	QPSK	1	99	1	0	19.29
40620	40818	QPSK	1	99	1	0	19.37
41055	41253	QPSK	1	99	1	0	19.08
41490	41292	QPSK	1	0	1	99	19.26

CA_41C HPUE 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	20.85
40185	40383	QPSK	1	99	1	0	20.85
40620	40818	QPSK	1	99	1	0	20.91
41055	41253	QPSK	1	99	1	0	20.78
41490	41292	QPSK	1	0	1	99	20.9

CA_48C 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	
55340	55538	QPSK	1	99	1	0	18.94
55830	56028	QPSK	1	99	1	0	19.02
56150	56348	QPSK	1	99	1	0	18.98
56640	56442	QPSK	1	0	1	99	20.50

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	18.57
40185	40383	QPSK	1	99	1	0	18.56
40620	40818	QPSK	1	99	1	0	18.68
41055	41253	QPSK	1	99	1	0	18.56
41490	41292	QPSK	1	0	1	99	18.4

CA_41C HPUE 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	20.04
40185	40383	QPSK	1	99	1	0	19.94
40620	40818	QPSK	1	99	1	0	20.19
41055	41253	QPSK	1	99	1	0	20.04
41490	41292	QPSK	1	0	1	99	20.06

CA_48C Ant 8							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
55340	55538	QPSK	1	99	1	0	18.94
55830	56028	QPSK	1	99	1	0	19.06
56150	56348	QPSK	1	99	1	0	18.92
56640	56442	QPSK	1	0	1	99	20.10

CA_41C Ant 0							
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	23.29
40185	40383	QPSK	1	99	1	0	23.19
40620	40818	QPSK	1	99	1	0	23.35
41055	41253	QPSK	1	99	1	0	23.21
41490	41292	QPSK	1	0	1	99	23.27

CA_41C HPUE Ant 0							
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	25.33
40185	40383	QPSK	1	99	1	0	25.17
40620	40818	QPSK	1	99	1	0	25.37
41055	41253	QPSK	1	99	1	0	25.25
41490	41292	QPSK	1	0	1	99	25.16

CA_48C 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	
55340	55538	QPSK	1	99	1	0	21.72
55830	56028	QPSK	1	99	1	0	21.99
56150	56348	QPSK	1	99	1	0	21.91
56640	56442	QPSK	1	0	1	99	21.83

CA_41C Ant 1							
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	23.65
40185	40383	QPSK	1	99	1	0	23.71
40620	40818	QPSK	1	99	1	0	23.84
41055	41253	QPSK	1	99	1	0	23.80
41490	41292	QPSK	1	0	1	99	23.71

CA_41C HPUE Ant 1							
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	25.79
40185	40383	QPSK	1	99	1	0	25.82
40620	40818	QPSK	1	99	1	0	25.87
41055	41253	QPSK	1	99	1	0	25.75
41490	41292	QPSK	1	0	1	99	25.72

CA_48C 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	
55340	55538	QPSK	1	99	1	0	21.02
55830	56028	QPSK	1	99	1	0	21.10
56150	56348	QPSK	1	99	1	0	21.04
56640	56442	QPSK	1	0	1	99	21

CA_48B Ant 4								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	18.81	20.50
55820	55913	QPSK	1	74	1	0	18.89	20.50
56160	56253	QPSK	1	74	1	0	18.83	20.50
56665	56572	QPSK	1	0	1	24	18.74	20.50

CA_48B Ant 8								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	18.47	20.10
55820	55913	QPSK	1	74	1	0	18.61	20.10
56160	56253	QPSK	1	74	1	0	18.4	20.10
56665	56572	QPSK	1	0	1	24	18.58	20.10

CA_48B Ant 3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	21.29	22.90
55820	55913	QPSK	1	74	1	0	21.45	22.90
56160	56253	QPSK	1	74	1	0	21.31	22.90
56665	56572	QPSK	1	0	1	24	21.36	22.90

CA_48B Ant 5								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	20.46	22.30
55820	55913	QPSK	1	74	1	0	20.60	22.30
56160	56253	QPSK	1	74	1	0	20.53	22.30
56665	56572	QPSK	1	0	1	24	20.49	22.30

CA_42C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	20.27	21.70
42590	42788	QPSK	1	99	1	0	20.34	21.70
42990	42792	QPSK	1	0	1	99	20.22	21.70

CA_42C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	22.21	23.50
42590	42788	QPSK	1	99	1	0	22.37	23.50
42990	42792	QPSK	1	0	1	99	22.11	23.50

CA_42C 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		
42190	42388	QPSK	1	99	1	0	19.78	20.90
42590	42788	QPSK	1	99	1	0	19.89	20.90
42990	42792	QPSK	1	0	1	99	19.78	20.90

CA_42C 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		
42190	42388	QPSK	1	99	1	0	19.62	21.10
42590	42788	QPSK	1	99	1	0	19.65	21.10
42990	42792	QPSK	1	0	1	99	19.55	21.10