

LTE(MT8820C)基地台操作說明

1.換基地台功能按 **Std** 鍵



2.點選 **F2 LTE22.20S#027** 進入 **LTE** 功能



3.點選 **Preset** 鍵



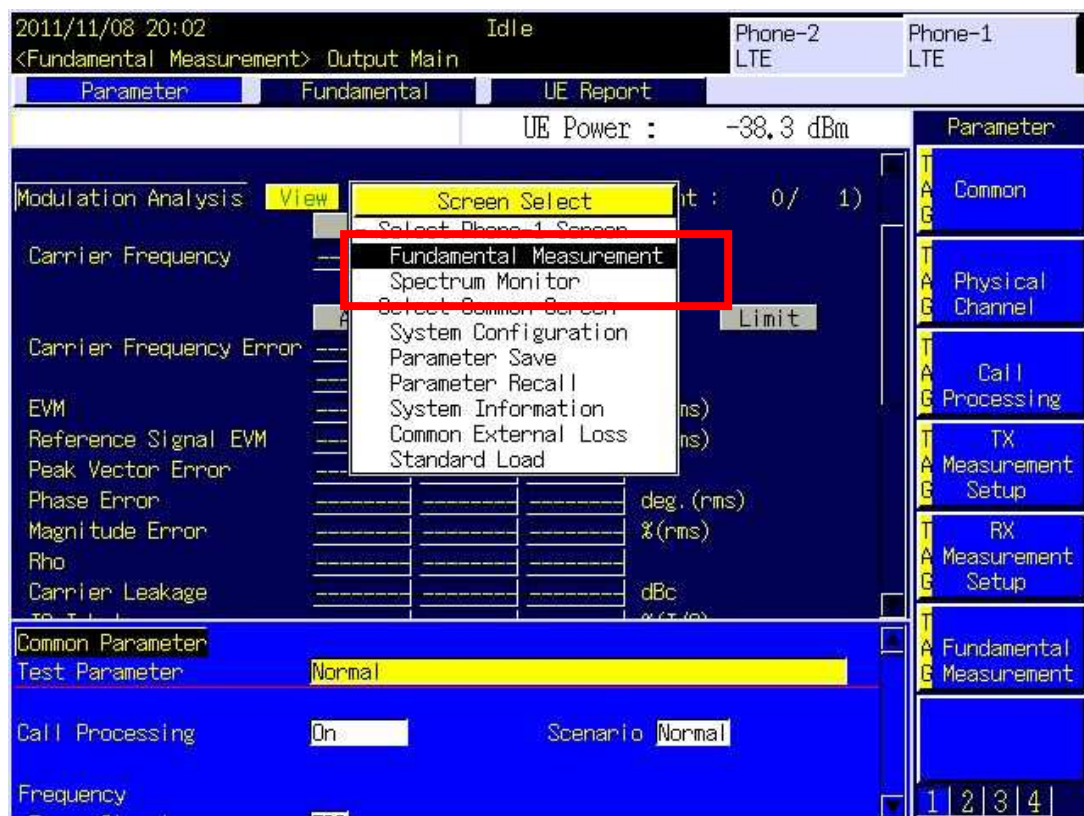
4.再按右邊 **F1 Preset** 回覆原始設定



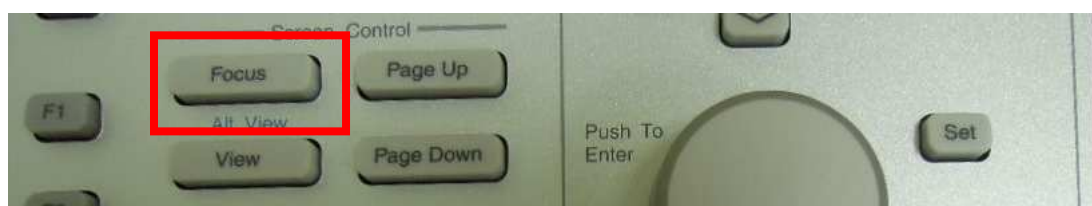
5.按 Screen 鍵



6.選擇 Fundamental Measurement



7.按 Focus 鍵



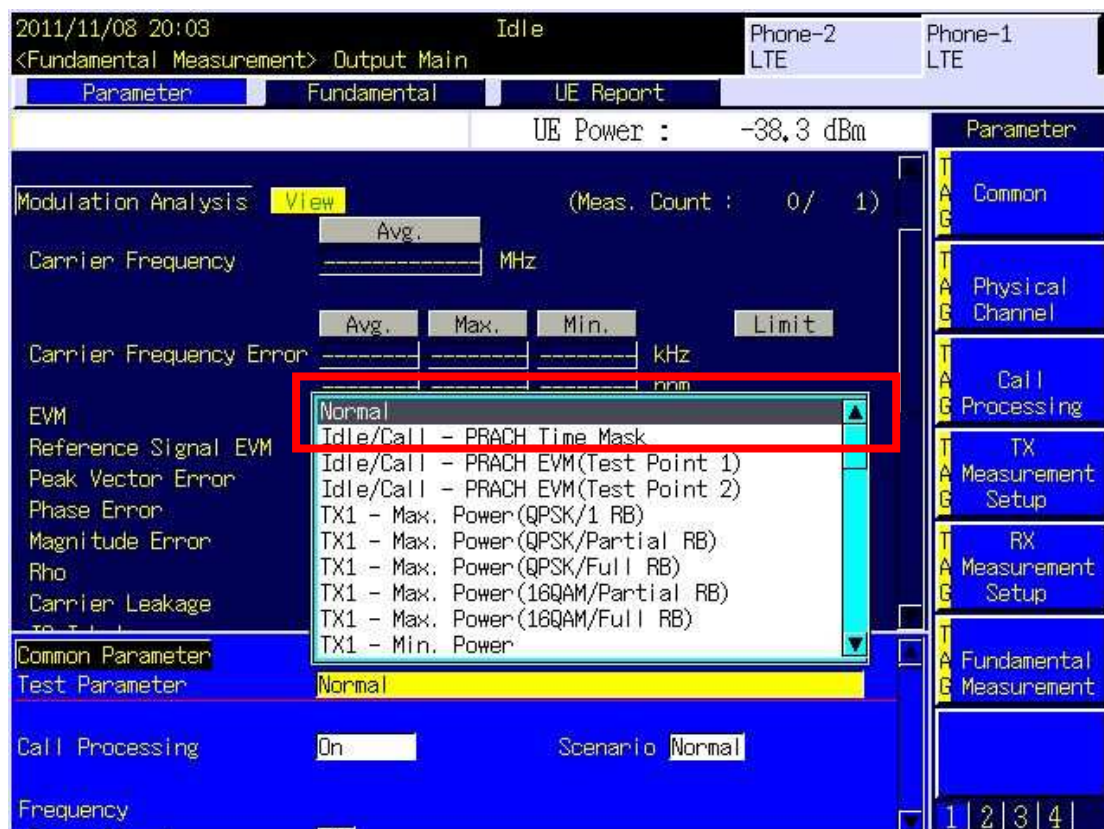
8.選擇到 **Parameter**



9.按 **F1 Common**



10.一開始選 **Normal** 連線的調變即可

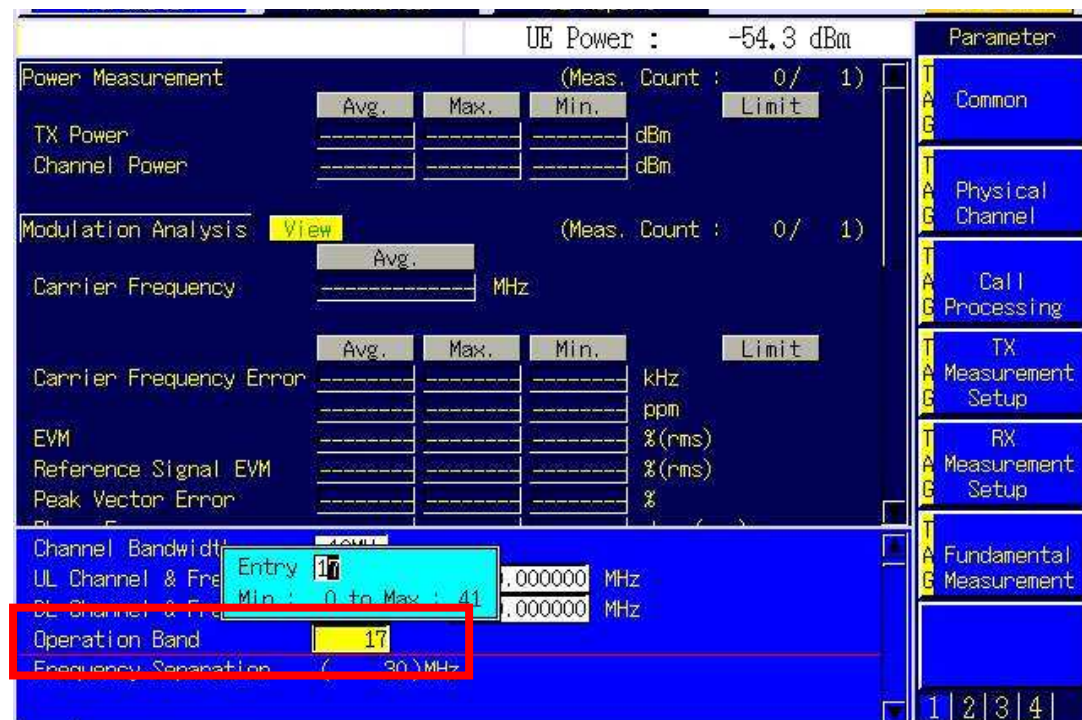


11.Channel Bandwidth

選擇連線頻寬 **5MHz** 或 **10MHz**



12.Operation Band 設定連線的 Band



13.UL Channel & Frequency

設定連線 **CH**

	Avg.	Max.	Min.	Limit
Carrier Frequency Error				kHz
EVM				ppm
Reference Signal EVM				%(rms)
Peak Vector Error				%(rms)
PLN Error				%

Frequency	Entry	23790 CH
Frame Structure	Min :	0 to Max : 85535
Channel Bandwidth		
UL Channel & Frequency	23790 CH =	710.000000 MHz
DL Channel & Frequency	5790 CH =	740.000000 MHz
Operation Band		17

1 2 3 4

14.External Loss ->選 On

是針對目前的 **Band**

Main UL 及 **Main DL** 做 **Loss** 補償

2011/11/03 16:49 Idle Phone-2 LTE Phone-1 LTE

<Fundamental Measurement> Output Main

Parameter Fundamental UE Report

UE Power : -54.3 dBm (Meas. Count : 0/ 1)

Power Measurement

	Avg.	Max.	Min.	Limit
TX Power				dBm
Channel Power				dBm

View (Meas. Count : 0/ 1)

Modulation Analysis

Carrier Frequency Avg. MHz

	Avg.	Max.	Min.	Limit
Carrier Frequency Error				kHz
EVM				ppm
Reference Signal EVM				%(rms)
Peak Vector Error				%(rms)
PLN Error				%

Input Level Off dBm

Output Level On dBm(Total) -85.0 dBm/15kHz (EPRE) On

AWGN Level Common dB Off

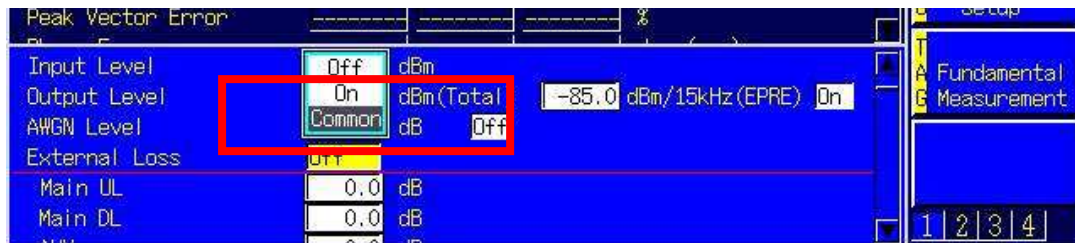
External Loss Off

Main UL	0.0	dB
Main DL	0.0	dB

1 2 3 4

15.External Loss ->選 Common

針對頻率做 **Loss** 補償



Loss 補償設定

特定頻率補償:

16.按 Screen 鍵



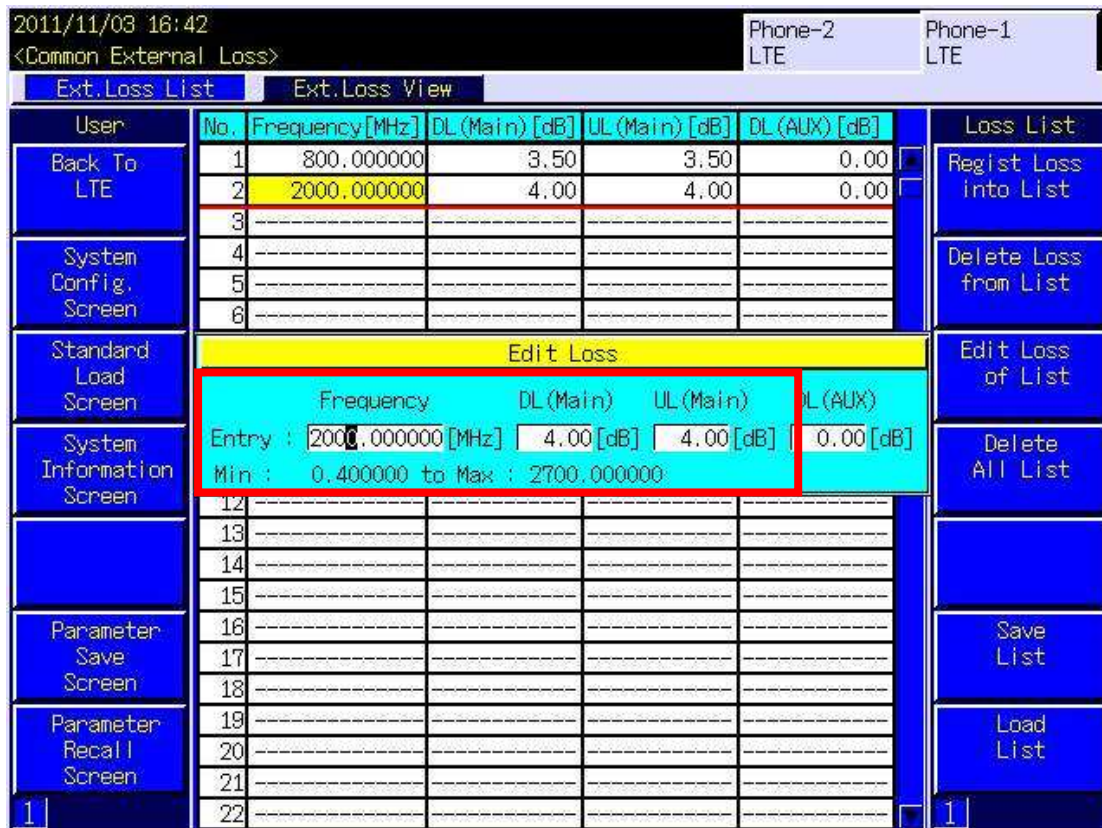
17.按 Common 鍵



18. 按 **Common External Loss**



19. 在中間視窗空白按 **Enter** 進入選單



Frequency:設定補設定補償的頻率

DL(Main):該頻率的補償值

UL(Main):該頻率的補償值

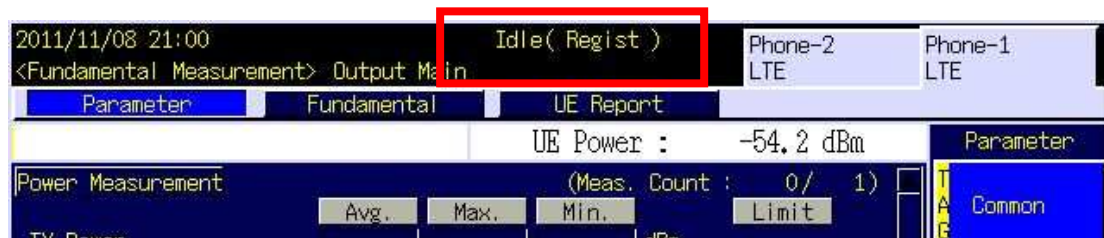
同時對單點設定多組 **Loss** 補償

(單個頻率設定完,按 **SET** 結束設定)

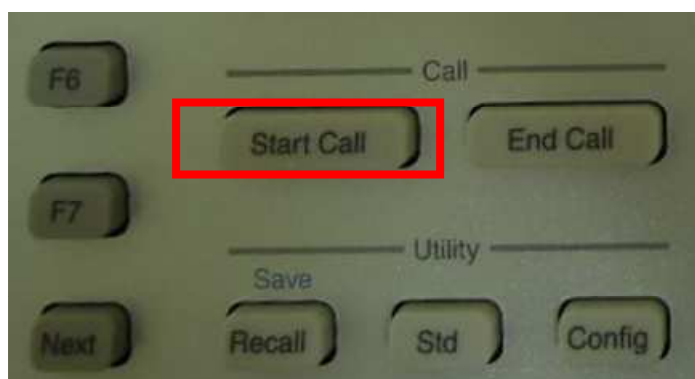
20.EUT 註冊到基地台前



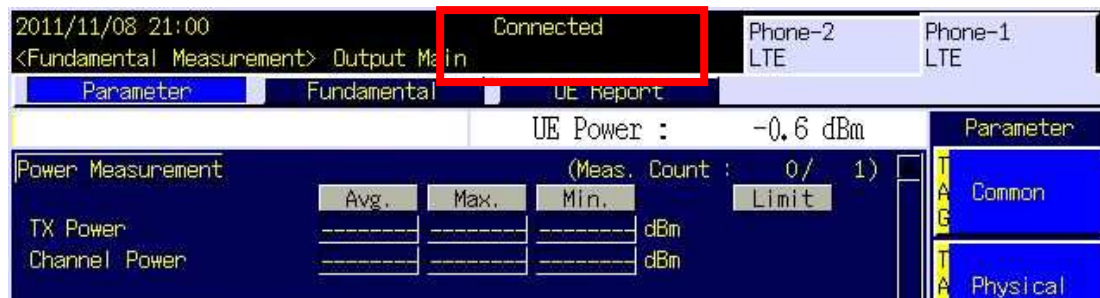
21.EUT 註冊到基地台後



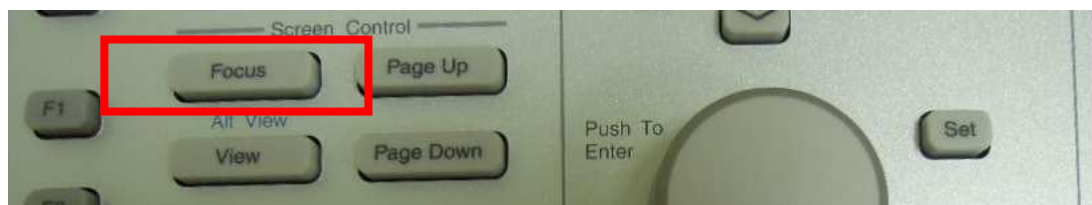
22.按 **Start Call** 連線



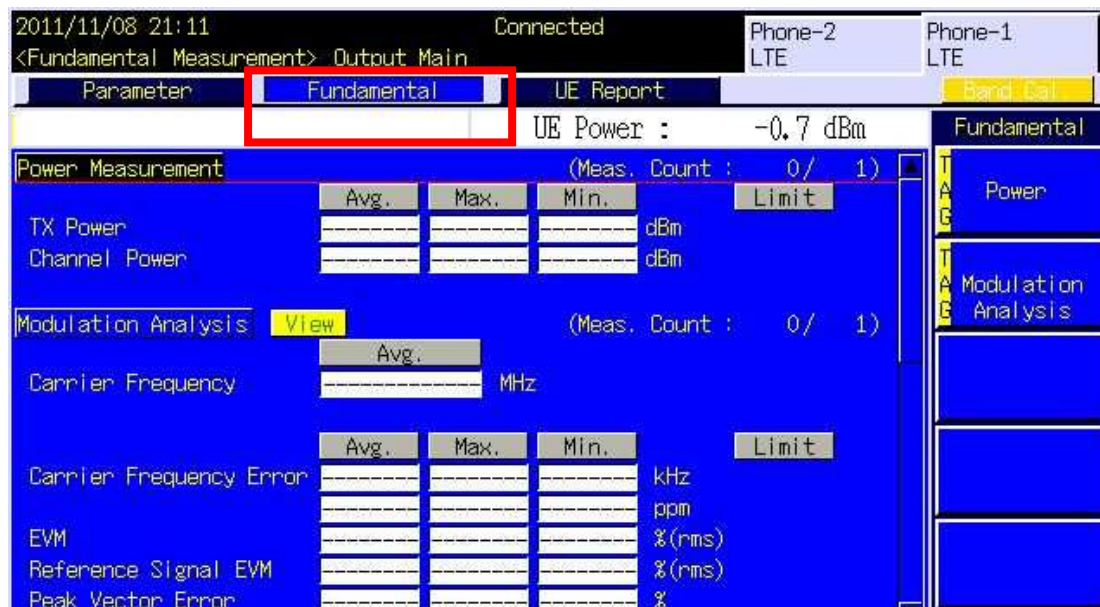
23. 連線基地台會顯示 **Conducted**



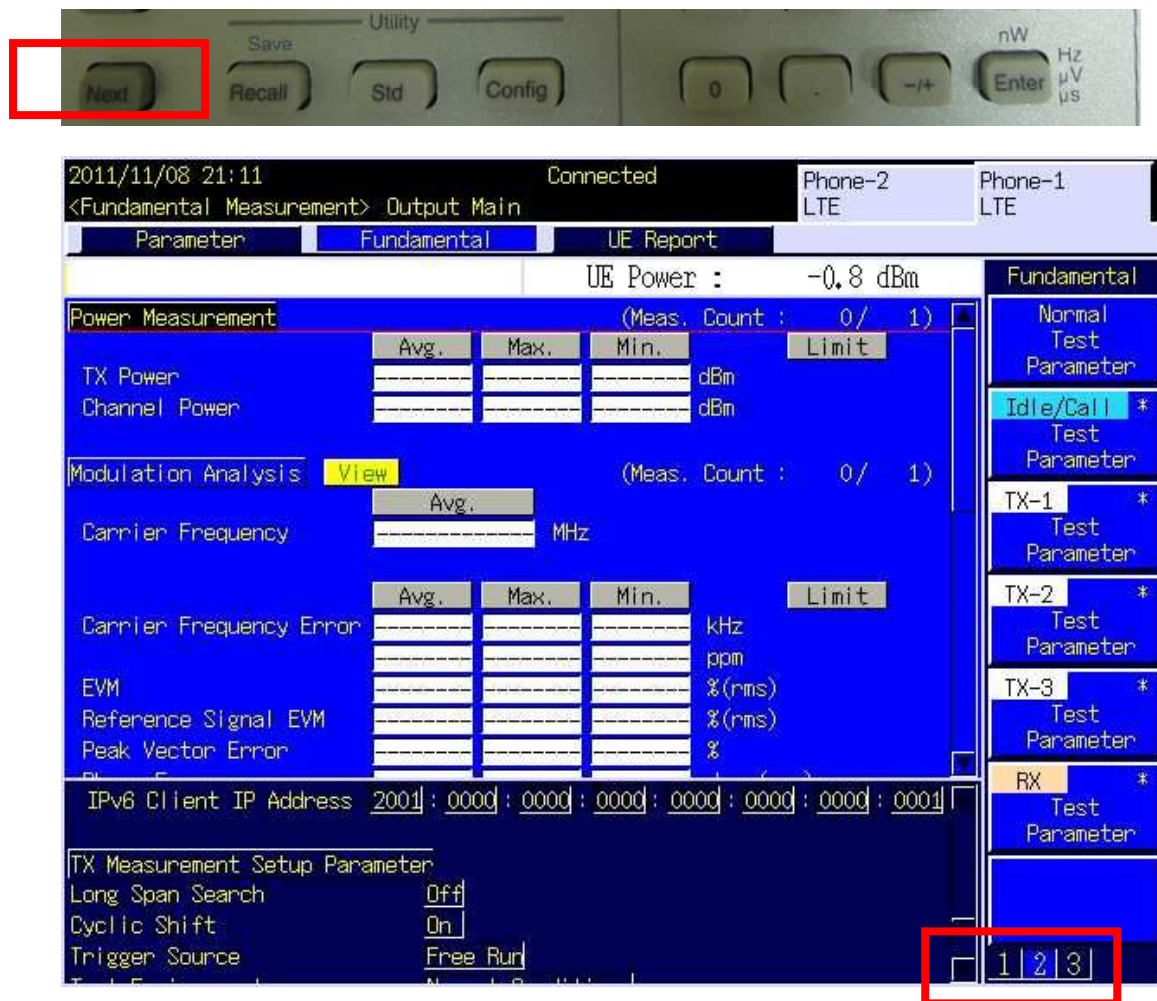
24. 按 **Focus** 鍵



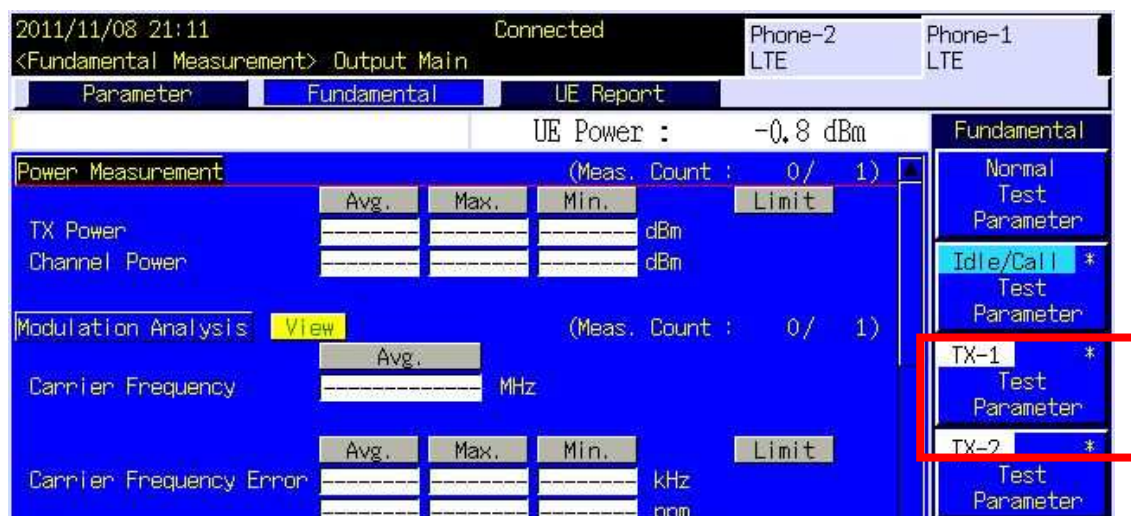
25. 選擇到->**Fundamental**



26.按 **Next** 到第 2 頁



27.選擇 **F3 TX-1 Test Parameter**



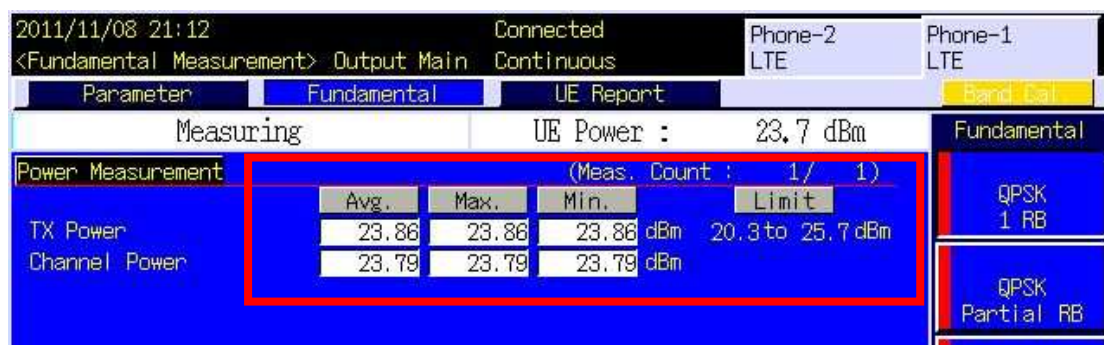
28.選擇 F1 TX-1 Max Power



29.點選 Continuous



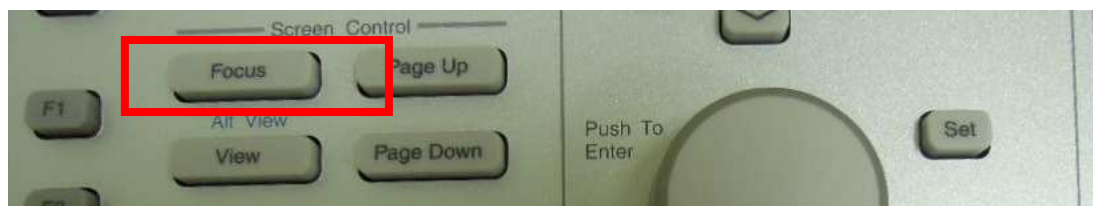
讓 TX Power 顯示



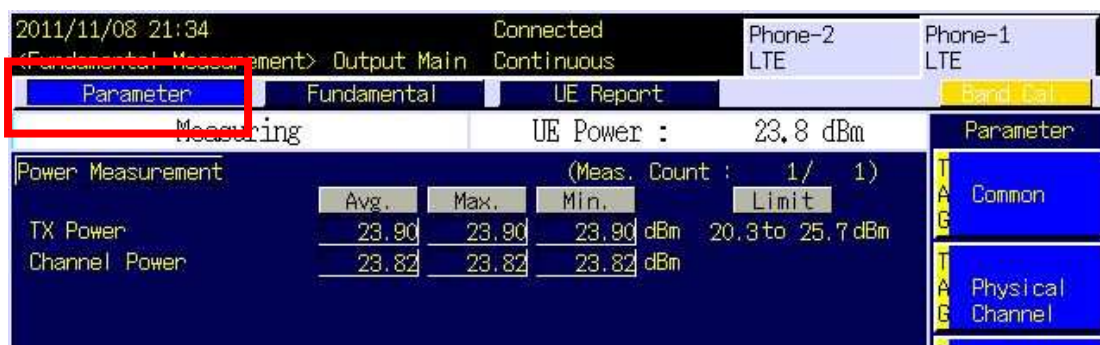
30. 選擇要連的調變



31. 按 Focus 鍵



32. 選擇到->Parameter



33.設定 Number of RB 百分比

100%:50

50%:25

25%:12

2011/11/08 21:34 Connected Phone-2 Phone-1
<Fundamental Measurement> Output Main Continuous LTE LTE

Parameter Fundamental UE Report Band Cat

Measuring UE Power : 23.8 dBm

Power Measurement (Meas. Count : 1/ 1)

	Avg.	Max.	Min.	Limit
TX Power	23.90	23.90	23.90 dBm	20.3 to 25.7 dBm
Channel Power	23.82	23.82	23.82 dBm	

Parameter

Common

Physical Channel

Call Processing

TX Measurement Setup

RX Measurement Setup

Fundamental Measurement

UE Category Entry 1

DTCH Data Pattern Min : 0 to Max : 50

UL RMC

Number of RB 1

Starting RB 0

Aggregation Level

Modulation TBS Index TBS C-RNTI

1 2 3 4

34.設定 Starting RB 起始位置

2011/11/08 21:34 Connected Phone-2 Phone-1
 <Fundamental Measurement> Output Main Continuous LTE LTE

Parameter Fundamental UE Report

Measuring UE Power : 23.8 dBm

Power Measurement (Meas. Count : 1/ 1)

	Avg.	Max.	Min.	Limit
TX Power	23.97	23.97	23.97	dBm 20.3 to 25.7 dBm
Channel Power	23.90	23.90	23.90	dBm

DTCH Data Pattern Entry 0

UL RMC Min : 0 to Max : 49

Number of RB 0

Starting RB 0

Aggregation Level

Modulation TBS Index TBS C-RNTI

MCS Index 5 QPSK (5) (72) 8

1 2 3 4

Parameter

Common

Physical Channel

Call Processing

TX Measurement Setup

RX Measurement Setup

Fundamental Measurement