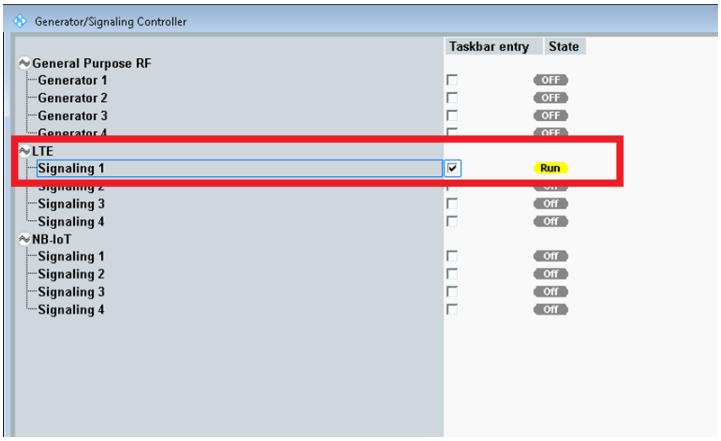
LTE Test Setup CMW500

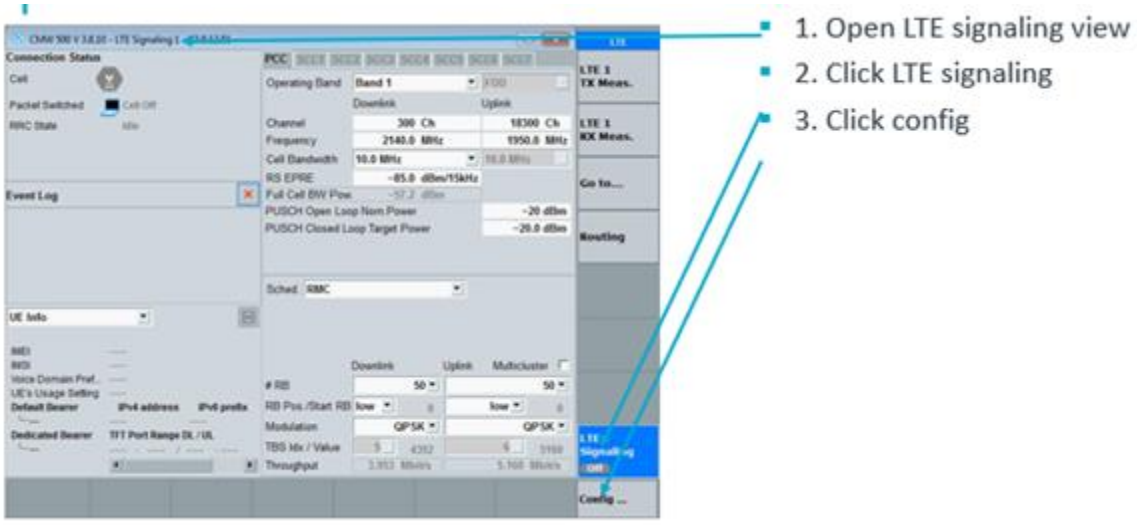
Contents

Configuring CMW500

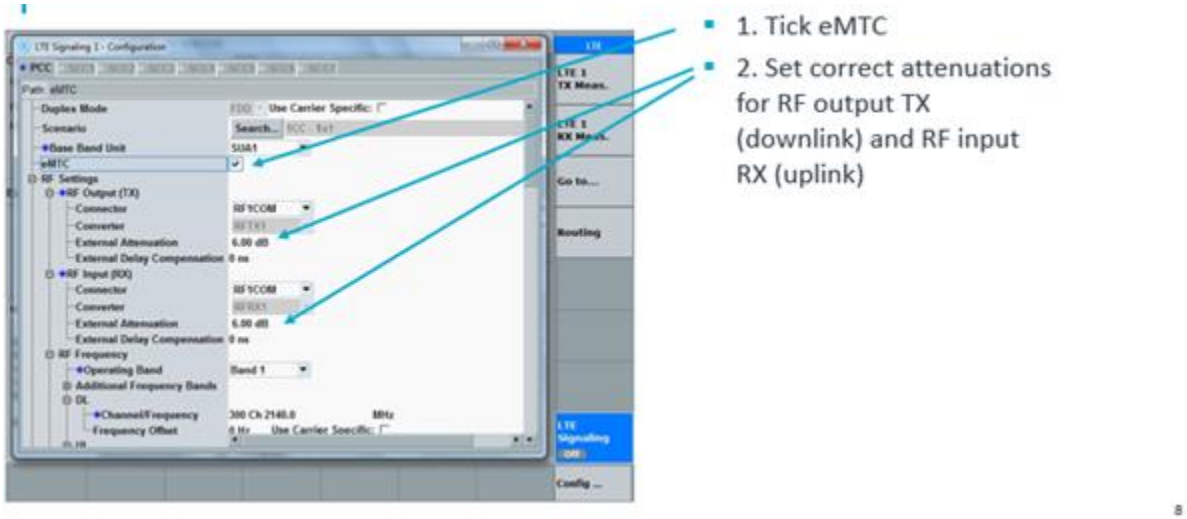
Firstly, need to set up CMW500 as a signal generator. For LTE-M1, from the main screen tick the checkbox for LTE Signaling 1.

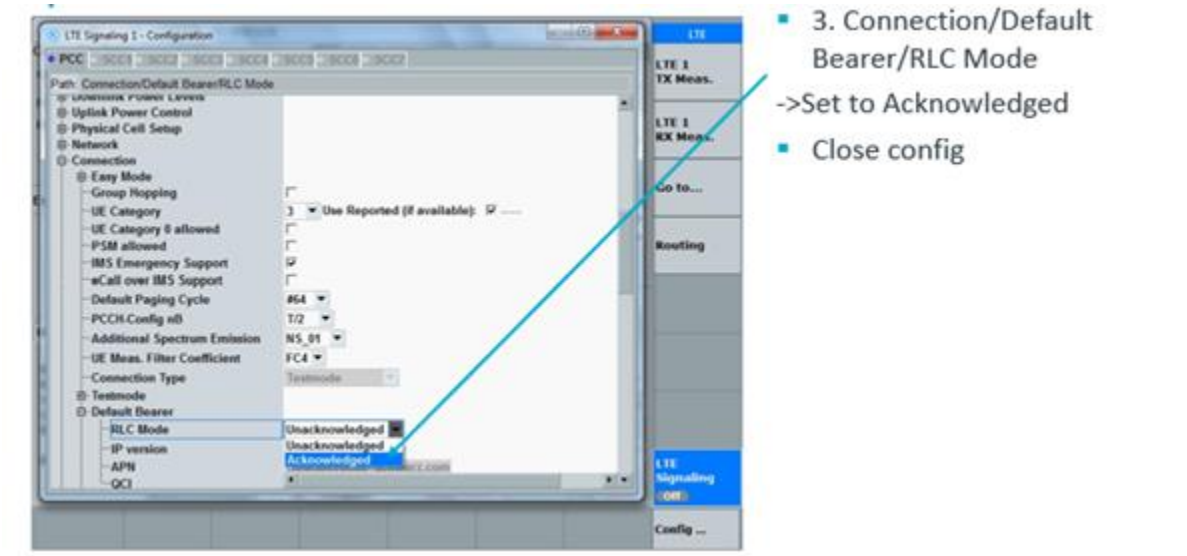


This will then open the Signal Controller window, and the next step is to configure it for LTE callbox testing via Config button.

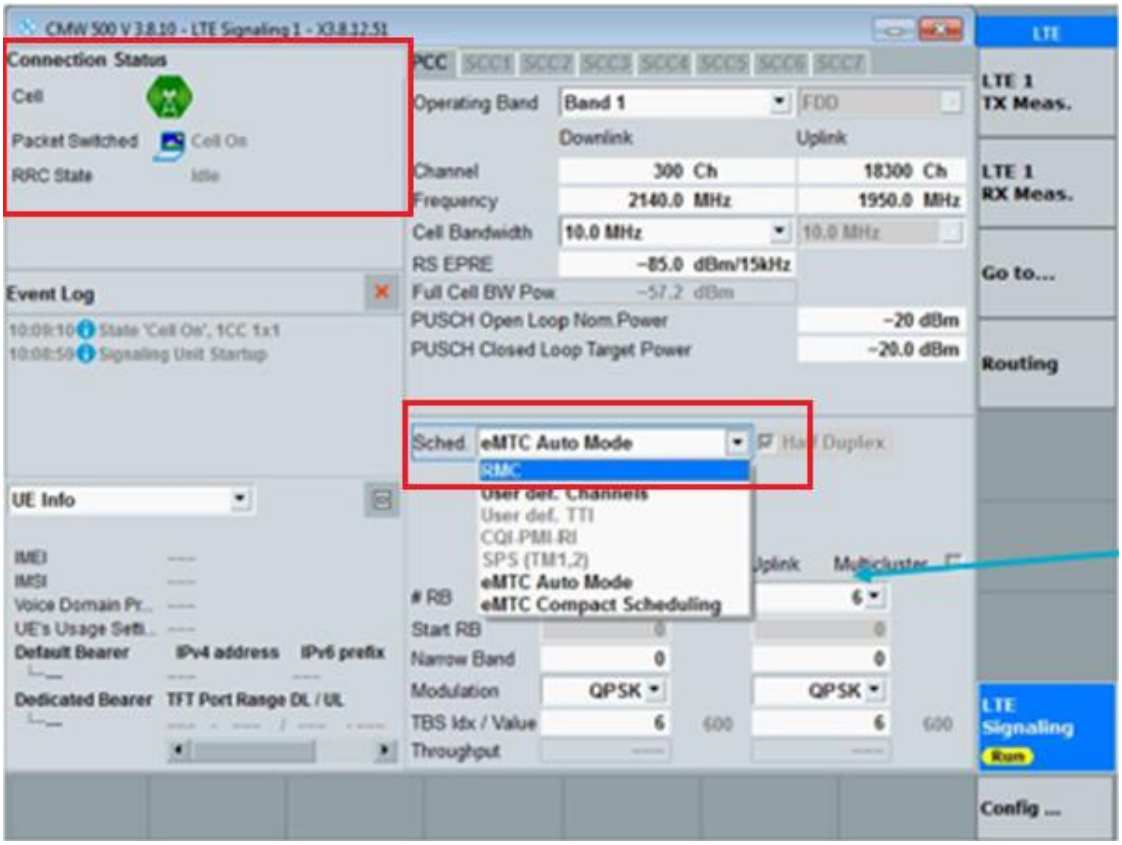


The main settings are as follows





Once these 3 parameters are changed, can close config and start Signaling (right click on LTE Signaling > Run). Once Signaling is on, change eMTC Auto Mode to RMC. In the upper right corner of the window, it should show "Cell On" and "Idle" for RRC State.



Now the CMW 500 is ready for the DUT to attach to the cell.

Connect DUT to CMW500

Once the device is set to the correct communication protocol, then can get the device to tether to the CMW 500 by using the "AT+CFUN=1" command. (To disconnect, use "AT+CFUN=4".)

When the "AT+CFUN=1" command is sent, if the CMW500 signaling is active, then the CMW500 should show the Packet Switch as "Attached" and the RRC State as "Connected" on the instrument (see below).