

Test Configuration of Equipment under Test

The EUT has been tested under continuous transmitting mode.

All tests are performed at Low channel , Middle channel, High channel.

During all testings, EUT is in link mode with Base Station emulator (8960 Series 10) at Maximum power level.

Frequency range has been investigated : Radiated emission has been measured from 30MHz to 12.75GHz.

The field strength of spurious radiation emission for CDMA was measured at EUT stand-up position (H mode) and lie down position (E1 , E2 mode).

TEST Set-up

1) Getting Started

- i. Power-up the laptop.
- ii. Connect USB port (on Module) to PC, And Confirm Power.
- iii. Install the Hard ware driver.
- iv. Execute Hyper Terminal
- v. Set Port (Data Modem @CDMA(5553)) and Baud rate(115200).
- vi. Use the AT Commander
 1. at\$\$\$hdr_mode=1 : only 1X mode (cdma2000)
 2. at\$\$\$hdr_mode=2 : HDR mode (1x EVDO)

2) Setting the Base station

a) only 1X mode (cdma2000)

- i. System ID : 1234
- ii. Network ID : 0
- iii. Primary Call Channel : US CELLUER - 384

US PCS - 600

*Please see the Capture screen

Call Setup Screen																																																									
Cell Info	Cell Information						Call Params																																																		
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Cell Parameters ▾	<table border="1"> <thead> <tr> <th colspan="2">Cell Parameters</th> <th colspan="2">Access Parameters</th> </tr> </thead> <tbody> <tr> <td>System ID (SID):</td> <td>1234</td> <td>Nominal Power:</td> <td>0 dB</td> </tr> <tr> <td>Network ID (NID):</td> <td>0</td> <td>Initial Power:</td> <td>0 dB</td> </tr> <tr> <td>Escape Mode:</td> <td>Off</td> <td>Power Step:</td> <td>3 dB</td> </tr> <tr> <td>Cell MCC:</td> <td>310</td> <td>Number of Steps:</td> <td>3</td> </tr> <tr> <td>Cell MNC:</td> <td>0</td> <td>Max Request Seq:</td> <td>1</td> </tr> <tr> <td>Paging Data Rate:</td> <td>Full</td> <td>Max Response Seq:</td> <td>1</td> </tr> <tr> <td>Max Slot Cycle Index:</td> <td>1</td> <td>Preamble Size:</td> <td>10</td> </tr> <tr> <td>Curr F-QPCH State:</td> <td>Off</td> <td colspan="2"></td> </tr> <tr> <td>Curr F-QPCH Level (Rel to Pilot):</td> <td>-3 dB</td> <td colspan="2"></td> </tr> <tr> <td>F-QPCH Data Rate:</td> <td>Full</td> <td colspan="2"></td> </tr> <tr> <td>RL Gain (Traffic to Pilot):</td> <td>0</td> <td colspan="2"></td> </tr> </tbody> </table>						Cell Parameters		Access Parameters		System ID (SID):	1234	Nominal Power:	0 dB	Network ID (NID):	0	Initial Power:	0 dB	Escape Mode:	Off	Power Step:	3 dB	Cell MCC:	310	Number of Steps:	3	Cell MNC:	0	Max Request Seq:	1	Paging Data Rate:	Full	Max Response Seq:	1	Max Slot Cycle Index:	1	Preamble Size:	10	Curr F-QPCH State:	Off			Curr F-QPCH Level (Rel to Pilot):	-3 dB			F-QPCH Data Rate:	Full			RL Gain (Traffic to Pilot):	0			1.0 dB		
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2 of 4																																																									

b) HDR mode (1x EVDO)

i. Session Open Channel : US CELLUER – 589

US PCS – 250

*Please see the Capture screen

Call Setup Screen									
Call Control		Active Cell Operating Mode						Call Params	
Operating Mode		Access Terminal Information (AT Reported) Session Seed: 0x5E3CCEF8 Hardware ID Type (Hex): 0x010000 ESM Hardware ID (Hex): 0x00000000 Hardware ID (Decimal): 000-00000000 Access Terminal Information (AN Assigned) UATI 024: 1 UATI Color Code: 64 MAC Index: 5 Access Terminal Information (User Entered) AT Max Power: 23 dBm/1.23 MHz Application Configuration Application: FTAP Limited TAP: Off AT Directed Packets: 50 % ACK Channel Bit Fixed Mode Attribute: On						Rvs Power Ctrl	
Active Cell								All Up bits	
								Pur Ctrl Step	
								1.0 dB	
End Data Connection								Call Drop Timer	
								Off	
Close Session								Call Limit Mode	
								Off	
Handoff Setup								Protocol Rev	
								0 (1xEV-DO)	
AT Max Power									
23 dBm/1.23 MHz									
		Background		Active Cell		Sys Type: IS-856			
				Connected					
1 of 2				IntRef Offset				FTAP	
								2 of 3	

3) How to change Channels

To change the Tx channels (1013, 363,777), Put In call Parameter channel

4) How to change Transmit Power Level

To Change from the Active Bits to All up Bits (Maximum Out put Power)

At Rvs Power Ctrl menu of Form the Active Bits of Base Station.