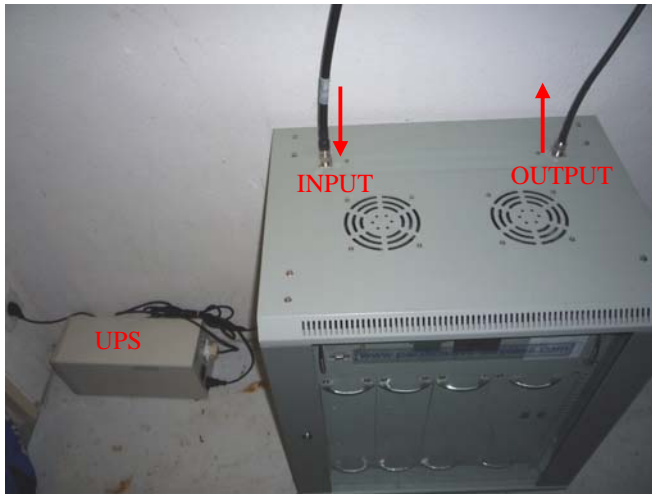
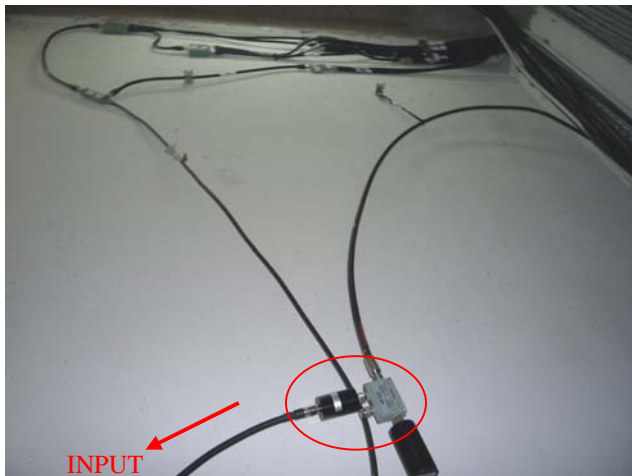


Installation Photo :

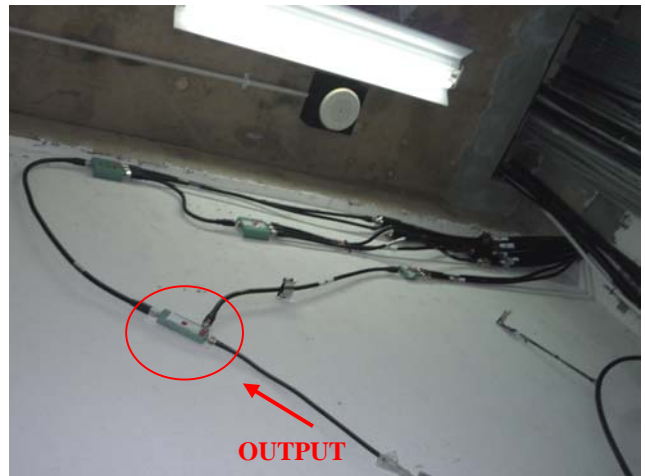


PW-MIA-33-CDW with UPS

Front Panel of PW-MIA-33-CDW



30dB Coupler with 10dB Attenuator as input



Output connected to C9-L5-1

Amplifier Setting for DCS-1800Mhz using Software

The 'Dialog' window is divided into several sections:

- Downlink parameters:** MAX Gain: 40 dB, Actual Gain: 40 dB, Attenuation: 0 dB, Output Power: 28 dBm.
- Uplink parameters:** MAX Gain: 35 dB, Actual Gain: 35 dB, Attenuation: 0 dB, Output Power: 0 dBm, Input Power: -40 dBm, Temperature: 38 Degree.
- PA switch:** ON (selected), OFF.
- BY PASS:** OFF (selected), ON.
- Band frequency center:** CH: CH1, GSMDCS. Ch num: 698, UL Fre.: 1747.4 MHz, DL Fre.: 1842.4 MHz, BandWidth: 75.0 MHz, Version: 330-0.1, Equipment Type: Transfer Frequency.
- Alarm Items:**

Alarm Items	Status	Enable
UL AGC Alarm	●	●
DL AGC Alarm	●	●
Door Open Alarm	●	●
DL Over Output Power	●	●
UL Over Output Power	●	●
DL Output Limit Power	●	●
Over Temp Alarm	●	●
- Failure Items:**

Failure Items	Status	Enable
UL PA Failure	●	●
UL LNA Failure	●	●
DL PA Failure	●	●
DL LNA Failure	●	●
CH1 PLL failure	●	●
CH2 PLL failure	●	●
DC Power Supply Failure	●	●

Legend: ● Normal/Enable, ● Fail/Disable. Buttons: Search Term Para, Search Monitor Para, Cancel.

The 'Slave Unit' window contains the following configuration options:

- Set Repeater Info:** RepeaterName: 1, Phone Number: NULL, Equip Factory: NULL, Build Date: 5/11/2009. Buttons: Save.
- Set UL/DL Attenuate:** UL Attenuate: 0 dB, DL Attenuate: 0 dB.
- PowerSwitch:**
 - PA ON — BY PASS OFF
 - PA OFF — BY PASS ON
 - PA and BY PASS OFF
- Set Alarm Enable:**
 - Alarm Items: UL AGC Alarm, DL AGC Alarm, Door Open Alarm, DL Over Output Power, UL Over Output Power, DL Limit Output Power, Over Temp Alarm.
 - Failure Items: UL PA Failure, UL LNA Failure, DL PA Failure, DL LNA Failure, CH1 PLL failure, CH2 PLL failure, DC PowerSupplyFailure.
- Set Channel Bandwidth:** Channel: CH1, Band freq. bandwidth: 75.0 MHz. Buttons: Save.
- Set band frequency:** GSMDCS selected. Ch num: 698, UL fre.: 1747.4 MHz, DL fre.: 1842.4 MHz. Offset: UL 100KHz, DL 100KHz.

Buttons: Delete, Default Set, Set, Exit.

Amplifier Setting for UMTS-2100Mhz using Software

Dialog

Downlink parameters	
MAX Gain	40 dB
Actual Gain	40 dB
Attenuation	0 dB
Output Power	17 dBm
Uplink parameters	
MAX Gain	35 dB
Actual Gain	35 dB
Attenuation	0 dB
Output Power	-28 dBm
Input Power	-69 dBm
Temperature	37 Degree
PA switch	<input checked="" type="radio"/> ON <input type="radio"/> OFF
BY PASS	<input type="radio"/> ON <input checked="" type="radio"/> OFF
Band frequency center	
CH:	CH1 WCDMA
Ch num.	9688 <input type="checkbox"/> UL <input type="checkbox"/> DL
UL Fre.	1937.5 MHz
DL Fre.	2127.5 MHz
BandWidth	20.0 MHz
Version	330-0.1
Equipment Type	Transfer Frequency

Alarm Items	Status	Enable	
UL AGC Alarm	<input checked="" type="radio"/>	<input type="radio"/>	
DL AGC Alarm	<input checked="" type="radio"/>	<input type="radio"/>	
Door Open Alarm	<input checked="" type="radio"/>	<input type="radio"/>	
DL Over Output Power	<input checked="" type="radio"/>	<input type="radio"/>	
UL Over Output Power	<input checked="" type="radio"/>	<input type="radio"/>	
DL Output Limit Power	<input checked="" type="radio"/>	<input type="radio"/>	
Over Temp Alarm	<input checked="" type="radio"/>	<input type="radio"/>	
Failure Items		Status	Enable
UL	PA Failure	<input checked="" type="radio"/>	<input type="radio"/>
	LNA Failure	<input checked="" type="radio"/>	<input type="radio"/>
DL	PA Failure	<input checked="" type="radio"/>	<input type="radio"/>
	LNA Failure	<input checked="" type="radio"/>	<input type="radio"/>
CH1 PLL failure		<input checked="" type="radio"/>	<input type="radio"/>
CH2 PLL failure		<input checked="" type="radio"/>	<input type="radio"/>
DC Power Supply Failure		<input checked="" type="radio"/>	<input type="radio"/>

Normal/Enable Fail/Disable

Search Term Para Search Monitor Para Cancel

Slave Unit

Set Repeater Info

RepeaterName: 3
 Phone Number: NULL
 Equip Factory: NULL
 Build Date: 5/11/2009

Set UL/DL Attenuate

UL Attenuate: 0 dB
 DL Attenuate: 0 dB

PowerSwitch

PA ON — BY PASS OFF
 PA OFF — BY PASS ON
 PA and BY PASS OFF

Set Alarm Enable Alarm Items

UL AGC Alarm
 DL AGC Alarm
 Door Open Alarm
 DL Over Output Power
 UL Over Output Power
 DL Limit Output Power
 Over Temp Alarm

Failure Items

UL PA Failure
 UL LNA Failure
 DL PA Failure
 DL LNA Failure
 CH1 PLL failure
 CH2 PLL failure
 DC PowerSupplyFailure

Amplifier Setting for CDMA-800Mhz using Software

Dialog

Downlink parameters	
MAX Gain	40 dB
Actual Gain	40 dB
Attenuation	0 dB
Output Power	23 dBm
Uplink parameters	
MAX Gain	35 dB
Actual Gain	35 dB
Attenuation	0 dB
Output Power	-27 dBm
Input Power	-71 dBm
Temperature	38 Degree
PA switch	<input checked="" type="radio"/> ON <input type="radio"/> OFF
BY PASS	<input type="radio"/> ON <input checked="" type="radio"/> OFF
Band frequency center	
CH: CH1	CDMA
Ch num.	330 <input checked="" type="checkbox"/> UL <input checked="" type="checkbox"/> DL
UL Fre.	834.90 MHz
DL Fre.	879.90 MHz
BandWidth	20.0 MHz
Version	330-0.1
Equipment Type	Transfer Frequency

Alarm Items	Status	Enable	
UL AGC Alarm	<input checked="" type="radio"/>	<input type="radio"/>	
DL AGC Alarm	<input checked="" type="radio"/>	<input type="radio"/>	
Door Open Alarm	<input checked="" type="radio"/>	<input type="radio"/>	
DL Over Output Power	<input checked="" type="radio"/>	<input type="radio"/>	
UL Over Output Power	<input checked="" type="radio"/>	<input type="radio"/>	
DL Output Limit Power	<input checked="" type="radio"/>	<input type="radio"/>	
Over Temp Alarm	<input checked="" type="radio"/>	<input type="radio"/>	
Failure Items		Status	Enable
UL	PA Failure	<input checked="" type="radio"/>	<input type="radio"/>
	LNA Failure	<input checked="" type="radio"/>	<input type="radio"/>
DL	PA Failure	<input checked="" type="radio"/>	<input type="radio"/>
	LNA Failure	<input checked="" type="radio"/>	<input type="radio"/>
CH1 PLL failure		<input checked="" type="radio"/>	<input type="radio"/>
CH2 PLL failure		<input checked="" type="radio"/>	<input type="radio"/>
DC Power Supply Failure		<input checked="" type="radio"/>	<input type="radio"/>

Normal/Enable Fail/Disable

Search Term Para Search Monitor Para Cancel

Slave Unit

<p>Set Repeater Info</p> <p>RepeaterName: 2</p> <p>Phone Number: NULL</p> <p>Equip Factory: NULL</p> <p>Build Date: 5/11/2009</p> <p>Save</p>	<p>Set UL/DL Attenuate</p> <p>UL Attenuate: 0 dB</p> <p>DL Attenuate: 0 dB</p>	<p>Set Alarm Enable</p> <p>Alarm Items</p> <p>UL AGC Alarm <input type="checkbox"/></p> <p>DL AGC Alarm <input type="checkbox"/></p> <p>Door Open Alarm <input type="checkbox"/></p> <p>DL Over Output Power <input type="checkbox"/></p> <p>UL Over Output Power <input type="checkbox"/></p> <p>DL Limit Output Power <input type="checkbox"/></p> <p>Over Temp Alarm <input type="checkbox"/></p>
<p>Set Channel Bandwidth</p> <p>Channel: CH1 Band freq. bandwidth: 20.0 MHz</p> <p>Save</p>	<p>PowerSwitch</p> <p><input type="radio"/> PA ON — BY PASS OFF</p> <p><input type="radio"/> PA OFF — BY PASS ON</p> <p><input type="radio"/> PA and BY PASS OFF</p>	<p>Failure Items</p> <p>UL PA Failure <input type="checkbox"/></p> <p>UL LNA Failure <input type="checkbox"/></p> <p>DL PA Failure <input type="checkbox"/></p> <p>DL LNA Failure <input type="checkbox"/></p> <p>CH1 PLL failure <input type="checkbox"/></p> <p>CH2 PLL failure <input type="checkbox"/></p> <p>DC PowerSupplyFailure <input type="checkbox"/></p> <p>Select All Save</p>
<p>Set band frequency</p> <p>Center</p> <p>Center fre. Offset</p> <p>Ch num. 330</p> <p>UL fre. 834.90 MHz</p> <p>DL fre. 879.90 MHz</p> <p><input checked="" type="checkbox"/> UL 100KHz</p> <p><input checked="" type="checkbox"/> DL 100KHz</p>	<p>Delete Default Set Set Exit</p>	

Amplifier Attenuation & Gain Setting using Push Button at front panel



Output Power Monitoring at LED Display at front panel

