

Installation Photo :



Output Display at Front Panel



Alarm Status at Front Panel with Push Button



Attenuation & GAIN Setting Menu



Amplifier Setting for DCS-1800Mhz using Software

Slave Unit

Set Repeater Info
 RepeaterName: 1
 Phone Number: NULL
 Equip Factory: NULL
 Build Date: 8/11/2009 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
Select All Save

Set Channel Bandwidth
 Channel CH1 Band freq. bandwidth 75.0 MHz Save

Set band frequency
 Center
 Center fre. Offset
 Ch num. 696
 UL fre. 1747.0 MHz UL 100KHz
 DL fre. 1842.0 MHz DL 100KHz

Delete Default Set Set Exit

Dialog

Downlink parameters	
MAX Gain	40 dB
Actual Gain	40 dB
Attenuation	0 dB
Output Power	26 dBm

Uplink parameters	
MAX Gain	35 dB
Actual Gain	35 dB
Attenuation	0 dB
Output Power	-17 dBm
Input Power	-56 dBm
Temperature	52 Degree

PA switch ON OFF
 BY PASS ON OFF

Band frequency center
 CH: CH1 GSMDCS
 Ch num. 696 UL DL
 UL Fre. 1747.0 MHz
 DL Fre. 1842.0 MHz
 BandWidth 75.0 MHz
 Version 330-0.1
 Equipment Type
 Line Amplifier

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

● Normal/Enable ● Fail/Disable

Search Term Para Search Monitor Para Cancel

Amplifier Setting for UMTS-2100Mhz using Software

Slave Unit

Set Repeater Info
 RepeaterName: 2
 Phone Number: NULL
 Equip Factory: NULL
 Build Date: 8/11/2009

Set UL/DL Attenuate
 UL Attenuate: 0 dB
 DL Attenuate: 0 dB

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: 60.0 MHz
 GSMDCS
 WCDMA
 GSM850_1900
 CDMA
 CDMA1900

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

Set band frequency
 Center
 Center fre. 9751
 UL fre. 1950.1 MHz
 DL fre. 2140.1 MHz
 UL 100KHz
 DL 100KHz

Buttons: Delete, Default Set, Set, Exit

Dialog

Downlink parameters
 MAX Gain: 40 dB
 Actual Gain: 40 dB
 Attenuation: 0 dB
 Output Power: Low dBm

Uplink parameters
 MAX Gain: 35 dB
 Actual Gain: 35 dB
 Attenuation: 0 dB
 Output Power: -13 dBm
 Input Power: -58 dBm
 Temperature: 0 Degree
 PA switch: ON OFF
 BY PASS: ON OFF

Band frequency center
 CH: CH1 WCDMA
 Ch num.: 9751
 UL Fre.: 1950.1 MHz
 DL Fre.: 2140.1 MHz
 BandWidth: 60.0 MHz
 Version: 330-0.1
 Equipment Type: Line Amplifier

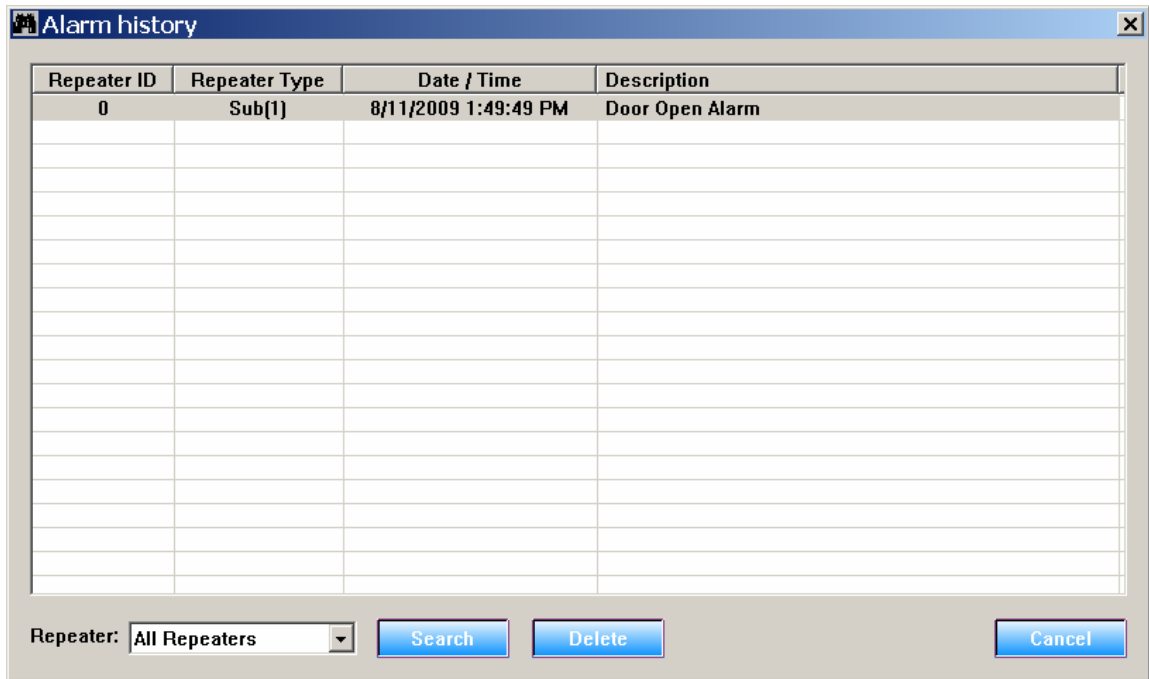
Alarm Items		Satus	Enable
UL	AGC Alarm	●	●
DL	AGC Alarm	●	●
	Door Open Alarm	●	●
DL	Over Output Power	●	●
UL	Over Output Power	●	●
DL	Output Limit Power	●	●
	Over Temp Alarm	●	●
Failure Items		Satus	Enable
UL	PA Failure	●	●
UL	LNA Failure	●	●
DL	PA Failure	●	●
DL	LNA Failure	●	●
	CH1 PLL failure	●	●
	CH2 PLL failure	●	●
	DC Power Supply Failure	●	●

● Normal/Enable ● Fail/Disable

Buttons: Search Term Para, Search Monitor Para, Cancel

Note : BTS 3G is not installed on site so no 3G input

Alarm Monitoring system using Software



The image shows a screenshot of a software window titled "Alarm history". It features a table with four columns: "Repeater ID", "Repeater Type", "Date / Time", and "Description". The first row contains the data: "0", "Sub(1)", "8/11/2009 1:49:49 PM", and "Door Open Alarm". Below the table, there is a "Repeater:" label, a dropdown menu set to "All Repeaters", and three buttons: "Search", "Delete", and "Cancel".

Repeater ID	Repeater Type	Date / Time	Description
0	Sub(1)	8/11/2009 1:49:49 PM	Door Open Alarm