



CORNING EVERON™ 6000 SOLUTIONS admin



Equipment Model: dMRU-G2-25
 Equipment SN: 2.5G-#2
 Firmware Version: Everon_6000_DMRUH_P2.V01.00.03.29build9
 Hardware Version: 2
 Site Info: 0



Dashboard
 DEU
RU
 Function
 User
 Blacklist

Overview | RU4 | **RU8** | RU12 | RU16


RF Info | Carrier Info | **OP Info** | Other Info

OP Info

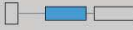
More	OP	Temperature	Tx Power	Rx Power	Fiber Loss	Tx Alarm	Rx Alarm	Temperature Alarm	Sync Alarm	Manufacturer Alarm	
>	1	44°C	-0.46dBm	-4.23dBm	2.46dB	🟢	🟢	🟢	🟢	🟢	SFP-

Figure 162. RU→OP Info

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Equipment Model: dMRU-G2-25
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OP Info

More	OP	Temperature	Tx Power	Rx Power	Fiber Loss	Tx Alarm	Rx Alarm	Temperature Alarm	Sync Alarm	Manufacturer Alarm	PN	SN	Manuf
>	1	44°C	-0.46dBm	-4.23dBm	2.46dB	🟢	🟢	🟢	🟢	🟢	SFP-25G-214-10K	W10222800274	F

Name	Value
Manufacturer Alarm	🟢
PN	SFP-25G-214-10K
SN	W10222800274
Manufacturer	FFF
Wavelength	1270nm
Transmission Rate	25.5Gbps
Production Date	220708
Revision	2.1
Delay Adjust Mode	🟢 Auto
Manual Delay Adjust Value	🟢 0ms
Local Delay Value	13022ns
Auto Delay Adjust Value	900ns

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Figure 163. RU→OP Info→More

5.4.2.4 Other Info

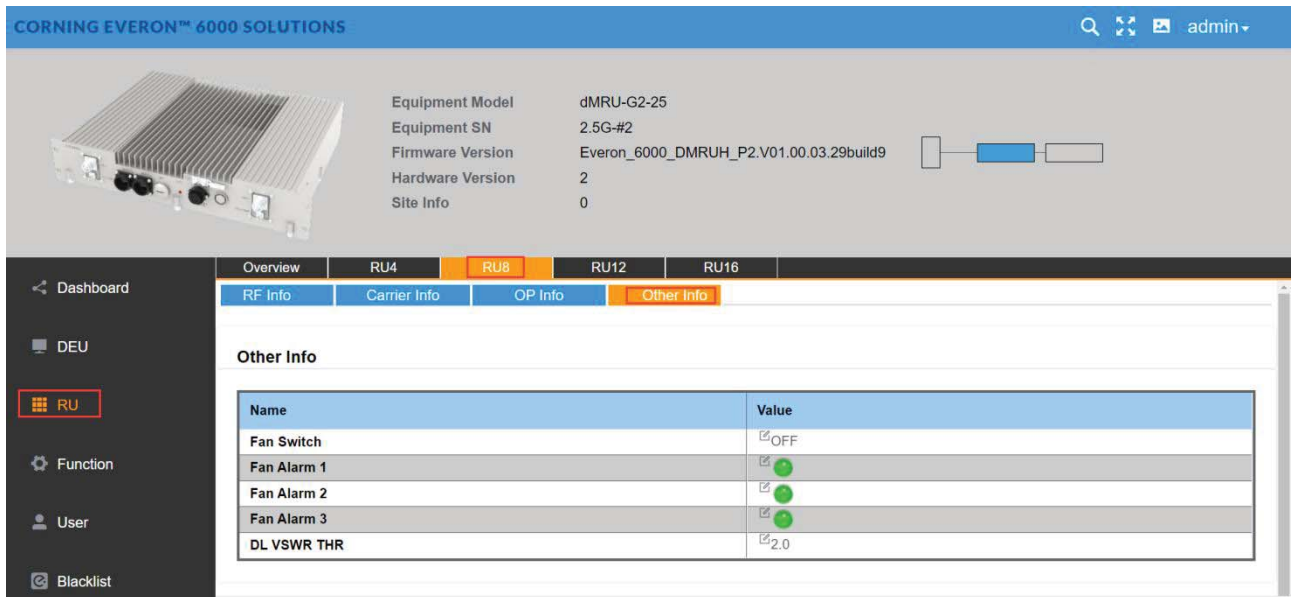


Figure 164. RU → Other info

5.5 DLRU Config

5.5.1 RU -> Overview & Alarm

Click RU to enter the Overview interface and view the current status of RU alarms (e.g., Link Alarm).

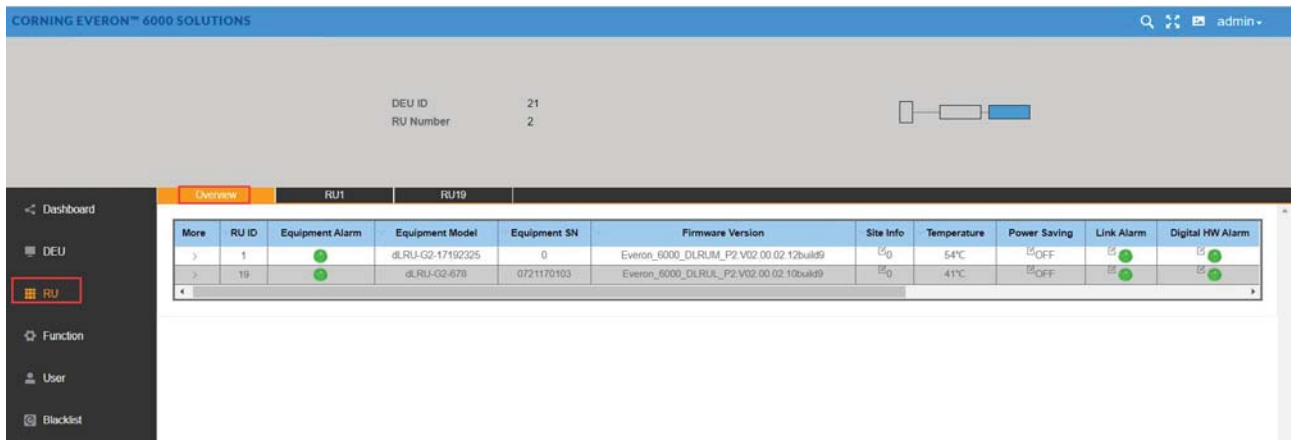


Figure 165. RU → Overview

Each alarm is defined as follows:

- Link Alarm
- Digital HW ALM
- Temperature Alarm
- Low Transmission Alarm
- Overflow Alarm
- DC Voltage Lower Alarm
- Over Power Consumption Alarm
- Firmware Mismatch Alarm

Drag the scroll bar to view more information (e.g., Temperature) as shown in the figure below.

The screenshot shows the 'More' tab for RU1. The main table lists equipment details for RU ID 1, including Equipment Model (dLRU-G2-17192325), Equipment SN (0), Firmware Version (Everon_6000_DLRUM_P2.V02.00.02.12build9), Site Info (0), Temperature (54°C), Power Saving (OFF), Link Alarm (ON), and Digital HW Alarm (ON). A sub-table titled 'Name' and 'Value' lists the following alarm statuses:

Name	Value
Digital HW Alarm	ON
Temperature Alarm	ON
Low Transmission Alarm	ON
Overflow Alarm	ON
Firmware Mismatch Alarm	ON

Figure 166. RU → Overview → More

5.5.2 RU Parameter config

5.5.2.1 RF info

The screenshot shows the 'RF Info' tab for RU1. The interface displays a table of RF parameters for 8 channels. The table includes columns for CH, Band, RF Switch, Rating Power, DL Pwr_out, UL Pwr_in, DL ATT, UL ATT, Work Mode, AGC Value, Service Off Alarm, and MIMO.

CH	Band	RF Switch	Rating Power	DL Pwr_out	UL Pwr_in	DL ATT	UL ATT	Work Mode	AGC Value	Service Off Alarm	MIMO
1	1900B	ON	20dBm	<-8.0dBm	-81.9dBm	0dB	0dB	N/A	0dB	ON	MIMO1
2	1900B	ON	20dBm	<-8.0dBm	-81.6dBm	0dB	0dB	N/A	0dB	ON	MIMO2
3	EAWS-A	ON	20dBm	15.7dBm	-87.3dBm	0dB	0dB	N/A	0dB	ON	MIMO1
4	EAWS-A	ON	20dBm	15.2dBm	-87.7dBm	0dB	0dB	N/A	0dB	ON	MIMO2
5	WCS	ON	20dBm	<-8.0dBm	<-89.0dBm	0dB	0dB	N/A	0dB	ON	MIMO1
6	WCS	ON	20dBm	<-8.0dBm	-92.7dBm	0dB	0dB	N/A	0dB	ON	MIMO2
7	2500T	ON	20dBm	<-8.0dBm	-82.0dBm	0dB	0dB	Normal	0dB	ON	MIMO1
8	2500T	ON	20dBm	<-8.0dBm	-81.9dBm	0dB	0dB	Normal	0dB	ON	MIMO2

Figure 167. RF Info

Click RU → RU1 to read various RF information of RU, as shown in the figure below:

SN	Parameter	Range	Recommend value
1	RF Switch	ON/OFF	ON
2	DL ATT	(0~20)	10
3	UL ATT	(0~20)	10
4	Work Mode	Normal DL force uplink UL force uplink	Normal
5	Service off alarm	Disable Enable	Enable
6	MIMO	MIMO 1 MIMO 2	

Figure 167.RF info

5.5.2.2 Carrier info

The screenshot shows the 'Carrier Info' section of the web interface. It features a table with the following columns: NO., UL Center Freq., DL Center Freq., BW, MIMO, UL Carrier Pwr, DL Carrier Pwr, and Technology. The table lists 16 carrier configurations.

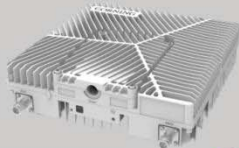
NO.	UL Center Freq.	DL Center Freq.	BW	MIMO	UL Carrier Pwr	DL Carrier Pwr	Technology
1	1707.5MHz/133097	2125MHz/150	20MHz	MIMO1	-69.0dBFS	-65.9dBFS	4G
2	1707.5MHz/133097	2125MHz/150	20MHz	MIMO2	-69.0dBFS	-65.9dBFS	4G
3	1760MHz/19700	2177.5MHz/66211	5MHz	MIMO1	-72.0dBFS	-65.9dBFS	4G
4	1760MHz/19700	2177.5MHz/66211	5MHz	MIMO2	-72.0dBFS	-65.9dBFS	4G
5	1875MHz/18850	1967.5MHz/975	10MHz	MIMO1	-72.0dBFS	-65.9dBFS	4G
6	1875MHz/18850	1967.5MHz/975	10MHz	MIMO2	-72.0dBFS	-65.9dBFS	4G
7	1907.5MHz/19175	2000MHz/68386	15MHz	MIMO1	-69.0dBFS	-65.9dBFS	4G
8	1907.5MHz/19175	2000MHz/68386	15MHz	MIMO2	-72.0dBFS	-65.9dBFS	4G
9	2640MHz/528000	2640MHz/528000	80MHz	MIMO1	-61.2dBFS	-65.9dBFS	5G
10	2640MHz/528000	2640MHz/528000	80MHz	MIMO2	-60.8dBFS	-65.9dBFS	5G
15	1742.5MHz/19525	2160MHz/500	20MHz	MIMO1	-69.0dBFS	-19.6dBFS	4G
16	1742.5MHz/19525	2160MHz/500	20MHz	MIMO2	-69.0dBFS	-19.7dBFS	4G

Figure 168.RU →RU 4→Carrier Info

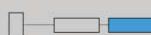
5.5.2.3 OP info

The OP Info list box displays the current optical port connection status and information reading volume of the device, as shown in the figure below.

CORNING EVERON™ 6000 SOLUTIONS admin



Equipment Model: dLRU-G2-17192325
 Equipment SN: 0
 Firmware Version: Everon_6000_DLRUM_P2.V02.00.02.12build9
 Hardware Version: 4
 Site Info: 0



Overview
RU1
RU19


RF Info
Carrier Info
OP Info

OP Info


More	OP	Temperature	Tx Power	Rx Power	Fiber Loss	Tx Alarm	Rx Alarm	Temperature Alarm	Sync Alarm	Manufacturer Alarm	PN
>	1	64°C	-2.22dBm	-4.4dBm	1.9dB	🟢	🟢	🟢	🟢	🟢	FTLX2072D333
>	2	64°C	-1.66dBm	-2.39dBm	0.23dB	🟢	🟢	🟢	🟢	🟢	FTLX2072D333
>	3	N/A	N/A	N/A	N/A	🟢	🟢	🟢	🟢	🟢	N/A

Figure 169. RU → RU 1 → OP Info

CORNING EVERON™ 6000 SOLUTIONS admin



Equipment Model: dLRU-G2-17192325
 Equipment SN: 0
 Firmware Version: Everon_6000_DLRUM_P2.V02.00.02.12build9
 Hardware Version: 4
 Site Info: 0



Overview
RU1
RU19

RF Info
Carrier Info
OP Info

OP Info

More	OP	Temperature	Tx Power	Rx Power	Fiber Loss	Tx Alarm	Rx Alarm	Temperature Alarm	Sync Alarm	Manufacturer Alarm	PN	SN	Manufa
<	1	64°C	-2.22dBm	-4.4dBm	1.9dB	🟢	🟢	🟢	🟢	🟢	FTLX2072D333	U638CZD	FINISAR

Name	Value
SN	U638CZD
Manufacturer	FINISAR CORP
Wavelength	1331nm
Transmission Rate	10.3Gbps
Production Date	210723
Revision	A
Delay Adjust Mode	🟢 Auto
Manual Delay Adjust Value	🟢 0ms
Local Delay Value	2422ms
Auto Delay Adjust Value	0ms

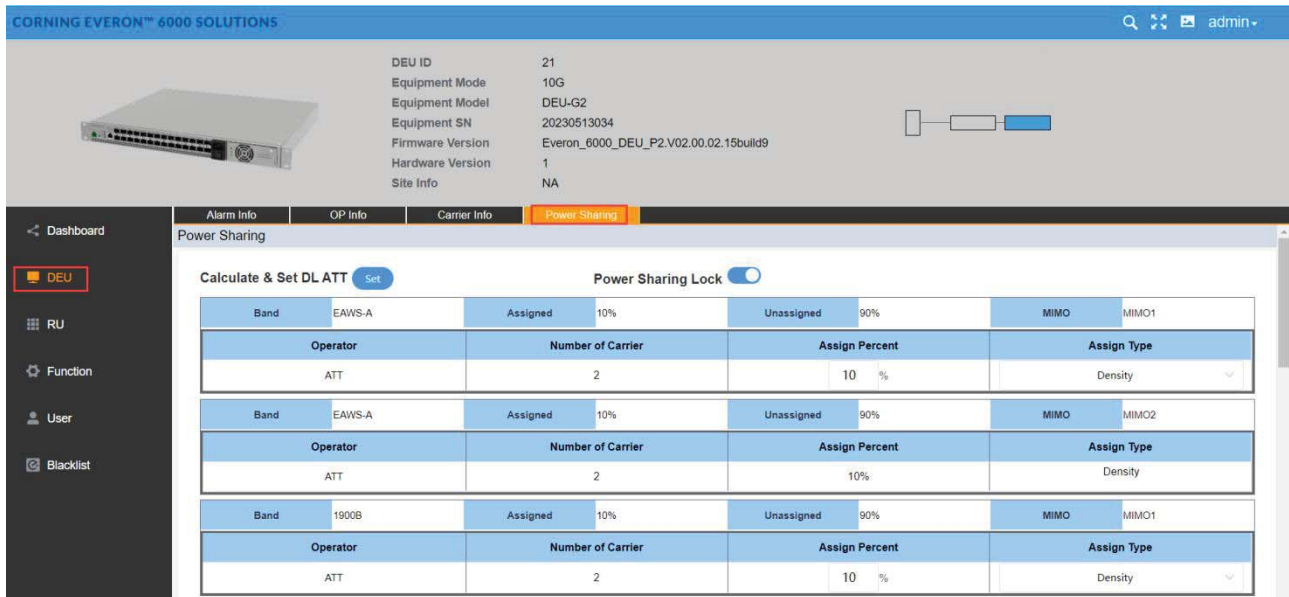
>	2	64°C	-1.66dBm	-2.39dBm	0.23dB	🟢	🟢	🟢	🟢	🟢	FTLX2072D333	U638D32	FINISAR
>	3	N/A	N/A	N/A	N/A	🟢	🟢	🟢	🟢	🟢	N/A	N/A	NI

Figure 170. RU → RU 1 → OP Info → More

5.6 Downlink/Uplink Config

5.6.1 Downlink Output Power Config (Power Sharing Process)

Step 1. Set Carrier Info in Chapter 5.3.1.3, including the operator info, carrier info. The DL ATT can be set to default value in power sharing config.



The screenshot shows the 'Power Sharing' configuration page in the CORNING EVERON™ 6000 SOLUTIONS web interface. The page includes a sidebar with navigation options (Dashboard, DEU, RU, Function, User, Blacklist) and a main content area with tabs for Alarm Info, OP Info, Carrier Info, and Power Sharing. The Power Sharing tab is active, showing a 'Calculate & Set DL ATT' button and a 'Power Sharing Lock' toggle. Below these are three tables for configuring power sharing parameters for different bands and operators.

Band	EAWS-A	Assigned	10%	Unassigned	90%	MIMO	MIMO1
Operator	Number of Carrier		Assign Percent		Assign Type		
ATT	2		10 %		Density		

Band	EAWS-A	Assigned	10%	Unassigned	90%	MIMO	MIMO2
Operator	Number of Carrier		Assign Percent		Assign Type		
ATT	2		10%		Density		

Band	1900B	Assigned	10%	Unassigned	90%	MIMO	MIMO1
Operator	Number of Carrier		Assign Percent		Assign Type		
ATT	2		10 %		Density		

Figure 154. Power sharing

Step 2. Set the power sharing parameters in chapter 5.3.1.4

- Assign each operator's power share (percentage).
- Select the carrier's power assignment mode for each operator (Density /Even).
Density mode: power assignment based on carrier bandwidth.
Even mode: power assignment based on the carrier number.
- Config MIMO 1 and MIMO 2 channel.
- Select the calculate button to active the value, then the DL ATT value in Step 1 will be automatically calculated.
- Select the 'Power Share Lock' button to lock the ATT config.
- The system will automatically emit the output target power based on power sharing configuration if the DCU input power is within the operation range.

Step 3. Set RIU ATT to meet DCU input power range according to chapter 5.1.2

- Set RIU high gain mode (ON/OFF) and DL ATT to suitable value to meet DCU input operation range.

High Gain Mode	DL ATT	Total Gain
ON (Gain = -7dB)	0~25	-7~-32dB
OFF (Gain = -30dB)	0~25	-30~-55dB

- The DCU input power target is -7dBm, and the RIU suggested input power range is 10~37dBm, so that please config RIU high gain mode and DL ATT according to the input power.

RIU Input Power(dBm)	High Gain Mode (ON/OFF)	DL ATT (0~25)	Total Gain(dB)	Target Output Power
10~25	ON (Gain = -7dB)	Gain=-10~-25	-17~-32	-7dBm
25~37	OFF (Gain = -30dB)	Gain=-2~-14	-32~-44	-7dBm

In this case, please config the DCU to the following config. The detailed config is listed in chapter 5.2.2

High Gain mode = OFF

DCU DL ATT changes from 20dB to 0dB after antenna connection.

5.6.2 Uplink Gain Config

The Total Uplink Gain = -2dB - RIU UL ATT - DCU UL ATT - RU UL ATT

Step 1. Config the RIU UL ATT according to chapter 5.1.2

Step 2. Config the DCU UL ATT according to chapter 5.2.2.2

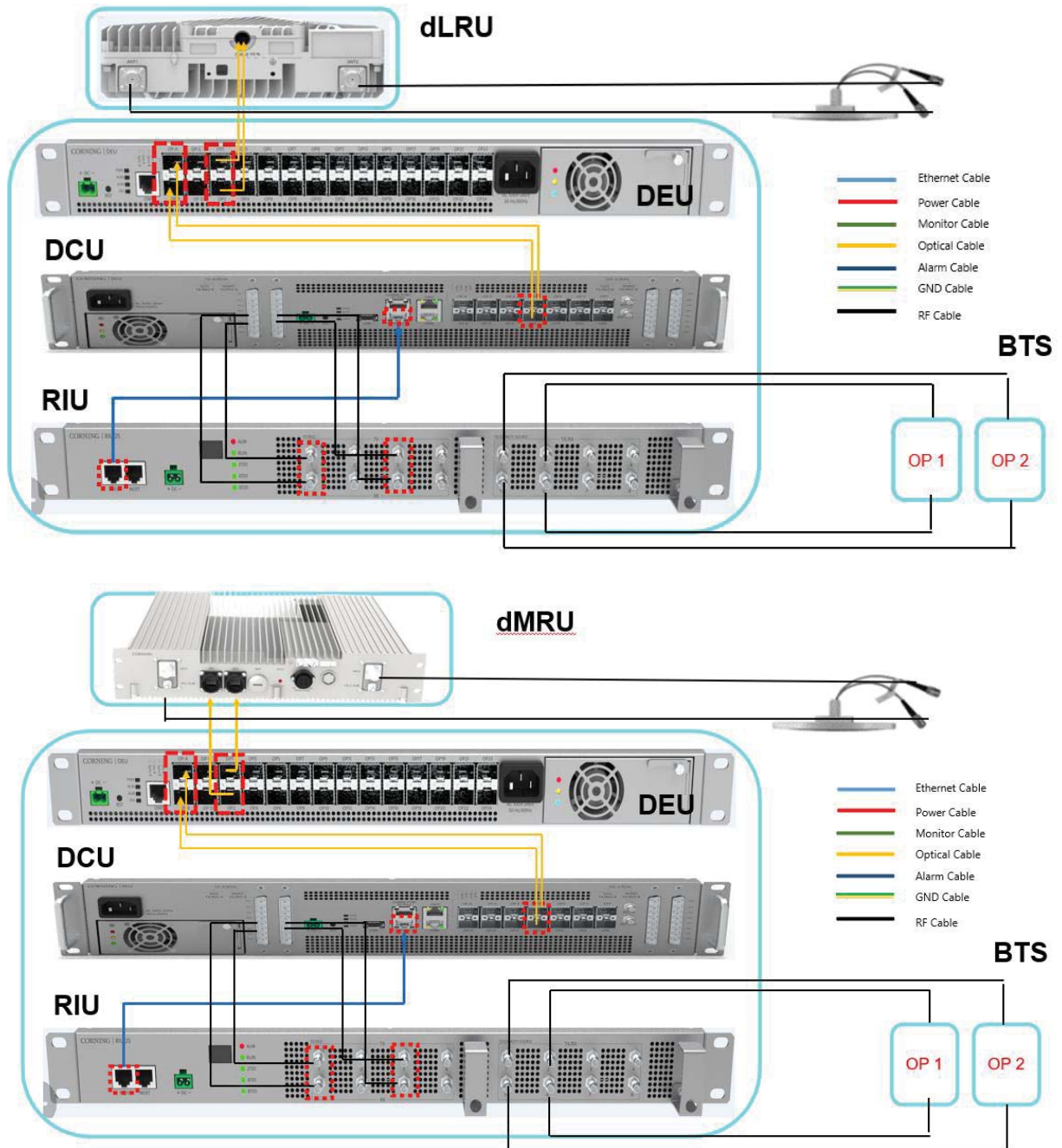
Step 3. Config the RU UL ATT according to chapter 5.4.2.2

The range of each ATT is listed as below.

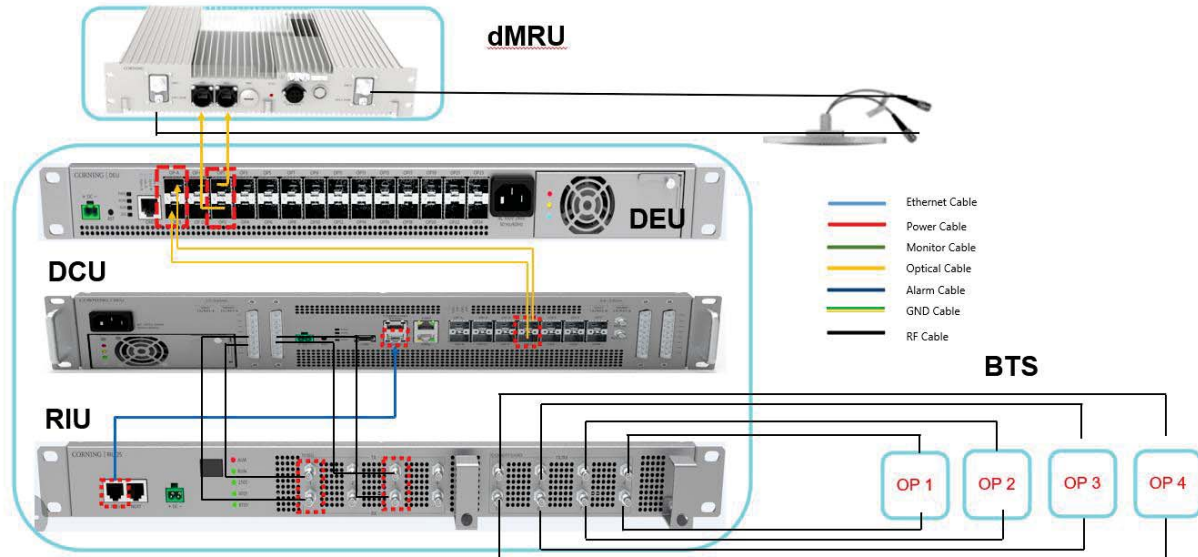
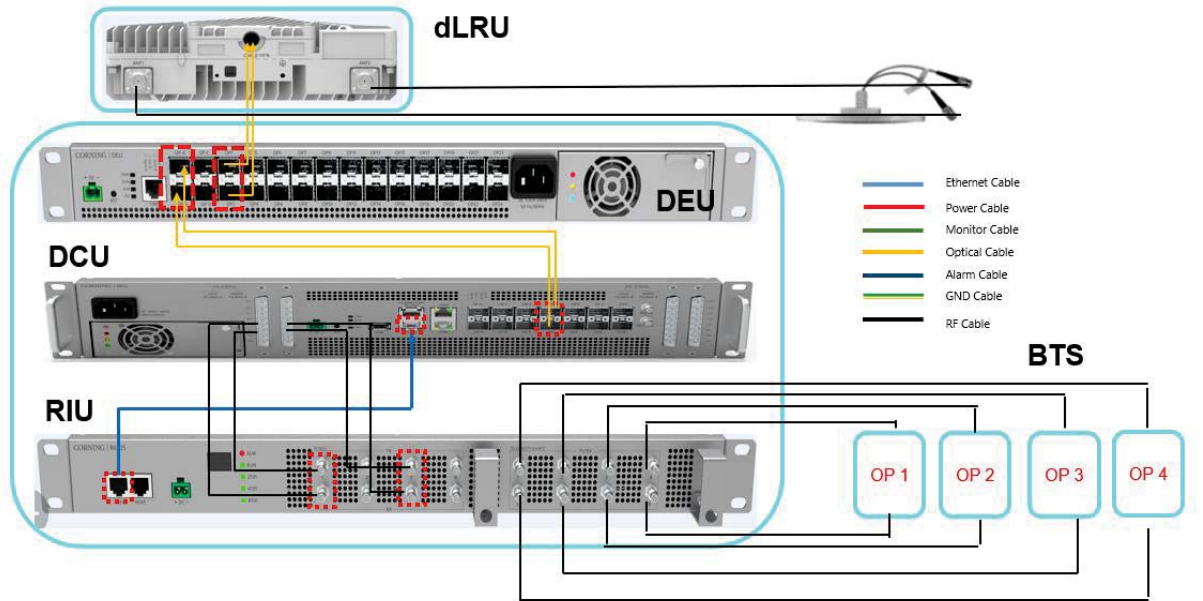
SN	ATT Range(dB)	Default Value(dB)	Config Description
1	0~25	20	chapter 2.1.2
2	0~20	20	chapter 2.2.2.2
3	0~20	10	chapter 2.4.2.2

5.7 Case

2T01 2x2 MIMO Case



4TO1 2x2 MIMO Case



Refer to the table below for Everon™ 6000 Parameters.



Everon™ 6000
Parameters_Build

Release Version

SN	Unit	Version
1	System version	Everon_6000_SYSTEM_P2.V01.04.01.68build9
2	RIU	Everon_6000_RIU_P2.V01.00.00.10build9
3	RIU-FDD	Everon_6000_RIU_P2.V02.00.00.04build9
4	DEU-25G	Everon_6000_DEU_P2.V01.00.03.63build9
5	DEU-10G	Everon_6000_DEU_P2.V02.00.02.15build9
6	DCU	Everon_6000_DCU_P2.V01.00.03.54build9
7	DLRU-3.5	Everon_6000_DLRUH_P2.V01.00.04.55build9
8	DLRU-M	Everon_6000_DLRUM_P2.V02.00.02.12build9
9	DLRU-L	Everon_6000_DLRUL_P2.V02.00.02.10build9
10	DMRU-3.5	Everon_6000_DMRUH_P2.V01.00.03.29build9
11	DMRU-FDD	Everon_6000_DMRUF_P2.V02.00.00.16build9

6. APPENDIX: LED Functionality and Color Definition

Optical LED definition

		Green (SYNC)	Amber (LOS)
SFP Plug out	SFP Plug out	OFF	OFF
Optic Link Fail	1. Optic cable disconnected	OFF	ON
	2. SFP fail	OFF	ON
	2.1 SFP fault	OFF	ON
	2.2 SFP warning	OFF	ON
	2.3 SFP alarm	OFF	ON
Optic Link OK	3. CPRI link down	OFF	ON
	1. Optic cable connected	ON	ON
	2. SFP OK	ON	ON
CPRI Link OK	3. CPRI link down	ON	ON
	1. Optic cable connected	ON	OFF
	2. SFP OK	ON	OFF
	3. CPRI link up	ON	OFF

ALM/RUN/Power LED definition

LED	Description	Color
ALM	1. Alarm	Red
	2. Device detect (Identify and is controlled from DCU)	Red Flash (1Hz, 10s)
	3. No alarm	OFF
RUN	1. The system is up and running	Green Flash(1Hz)
	2. Software or hardware failure	OFF
Power	1. Power on	Green
	2. Power off	OFF



CORNING

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