

CPRI Optical Module Electrical Interface Not in Place Alarm



Overview

This alarm is reported when the link between the BBU and the lower-level RF units malfunctions. Specific. 3/7/23, 9:47 AM □ Huawei Enterprise Support Community UBBP CPRI Port Arrangements - Huawei Enterprise Support Community User Gu Community Forums Groups Blog & Collections Rewards FAQ Top Members Subscribe □ Community □ Forums □ Wireless & Microwave □ UBBP CPRI Port Arrangemen. UBBP CPRI. The customer has 2 alarms on BTS3900 (GSM-R network). BBU Optical Module Transmit/Receive Fault 2. After combining the RRU log analysis and the alarm of the optical module, the radio frequency maintenance. Troubleshooting Guide: (RF Unit Maintenance Link Failure & BBU CPRI Interface Error) When facing alarms related to RF Unit Maintenance Link Failure and BBU CPRI Interface Error, follow these step-by-step troubleshooting steps: 1. Identify Affected Unit Check which subrack or RRU (Remote Radio Unit). This video content about, how to clear RF unit Optical Module Fault in Huawei BBU #HuaweiBBU.



Article Content

Oct 17, 2025

How To Clear RF Unit CPRI Interface Error | Huawei BBU

In multi-mode configuration, the inter-BBU connections are abnormal or the optical module used for inter-BBU connection is faulty. Procedure 1. Check

Jan 29, 2026

BBU CPRI INTERFACE ERROR ALARM RESTORATION | MT.

Inayos ang alarm ng BBU CPRI INTERFACE ERROR. Isang alarm ng sa Cell site sa gitna ng BBU at RRU, yung INTER-CONNECTION. Ang epekto nito ay walang signal sa lugar kung saan naka tutuk

Aug 17, 2025

Why do I need to inspect and/or clean the fiber in an optical BBU/RRH ...

Let's take a closer look at an SFP module currently available for use in the CPRI link between the BBU and RRH. We need to review some of the specifications of the SFP module(s) so that we can better

Jan 31, 2026

CPRI Check, RRU Testing with ALU BBU Emulation and RF over

This quick card describes how to connect to a ALU CPRI Remote Radio Unit (RRU) and configure a T-BERD 5800v2 for CPRI Testing including BBU Emulation and RF over CPRI Spectrum Analysis.

Jul 18, 2025

BBU CPRI Interface Alarm Overview

This document contains a list of 73 alarm names and the network elements (NE) they impact. The alarms relate to issues with various components in a radio access

Aug 29, 2025

BBU Alarm Overview for LTE Systems

This document contains descriptions for 43 service affecting alarms reported by a base station. The alarms relate to issues with baseband units, RF units,

Jun 24, 2026

How To Clear RF Unit Optical Module Fault | Huawei BBU

Possible Causes The optical module or electrical module of the RF unit is faulty.
Procedure: 1. Check for the correlated alarm. RF Unit Hardware Fault 3. Reset the optical module on site. 4.

Mar 22, 2026

BBU CPRI Interface and RF Unit Errors

This document lists various alarm names and whether they affect the SSV (Site Service Verification). Alarms related to hardware faults, software errors, interface

May 07, 2026

Huawei BBU CPRI Port Troubleshooting & Arrangements

Troubleshooting BBU CPRI interface errors in Huawei equipment. Learn about alarm causes, impact, and handling procedures.

Aug 20, 2025

How To Clear RF Unit Optical Module Fault | Huawei BBU

This video content about, how to clear RF unit Optical Module Fault in Huawei BBU
#HuaweiBBU #AdnanFarooq Description: This alarm is reported when the optical module or electrical...

Jul 24, 2025

CPRI Specification V7.0

CPRI optical implementation may use connector solutions that are described and defined in Fibre Channel Physical Interfaces , , or IEEE 802.3 .

Mar 20, 2026

Status and Alarm Interfaces

The status interface can be connected to LEDs for easy debugging. It can also be connected to a general purpose Input/Output (I/O) of a management processor or another logic

Apr 13, 2026

GS ORI 002-1

1 Scope The present document defines low layer protocols aspects of the Open Radio equipment Interface (ORI). Low layer protocols are those terminating the ORI Link (a bi-directional interface in

Oct 10, 2025

LTE Service Affecting Alarm

This alarm is reported when the optical module on the port of the BBU connecting to the lower-level RF units or the CPRI electrical cable is not in position. This alarm is reported when the 12 V DC output of

Nov 22, 2025

Common Public Radio Interface (CPRI); Interface

The characteristics of the channel between TP1 and TP4 are not included in the CPRI specification. TX and RX requirement are specified at TP2 and TP3

Aug 02, 2025

Wireless-GSM BSS---BTS3900---alarm: SFP Port Incosistency Alarm

I collected TMU_boar logs from active/standby BBU We have alarm on both CPRI port which used MM_SFP_module and SM_SFP_module [SubLink No.=0 and SubLink No.=1]

May 14, 2026

BBU Alarm Overview for LTE Systems | PDF | Computer

Common causes include hardware faults, link failures, resource shortages, configuration mismatches, and signal quality problems. The descriptions provide

May 23, 2026

What is CPRI? Common Public Radio Interface Explained

What is CPRI (Common Public Radio Interface)? CPRI, which stands for Common Public Radio Interface, is a standardized protocol used in modern

Feb 22, 2026

UBBP CPRI Port Arrangements

12-If the electrical transmission is used, the CPRI electrical cable between the lower-level RF unit and the BBU is not securely installed. Alarm handle 1-Check the connections of the CPRI electrical cable

Feb 19, 2026

CPRI IP User Guide

The Common Public Radio Interface (CPRI) IP implements the CPRI Specification V7.0 (2015-10-09). CPRI is a high-speed serial interface for network radio equipment controllers (REC) to receive data

Aug 21, 2025

Improving Wireless Network Flexibility Using CPRI Technology

Interference hunting using CPRI has also been aided by the installation of optical taps at cell sites. An optical tap couples a percentage of the optical signal so an external device can monitor both the

Jan 16, 2026

#huawei #equipment #troubleshooting #telecomfield # ...

Troubleshooting Guide: (RF Unit Maintenance Link Failure & BBU CPRI Interface Error)
When facing alarms related to RF Unit Maintenance Link Failure and BBU CPRI Interface Error,...

Jan 24, 2026

CPRI Specific Checks

The following section lists some tips for debugging common problems with the CPRI link. • Confirming the link stays up and there are no alarms. Do this by looking at the stat_code and

Feb 19, 2026

CPRI Specification V7.0: Interface Standard

CPRI V7.0 interface specification for radio communication systems. Details physical layer, data link layer, and interoperability standards.

Sep 12, 2025

Microsoft Word

The physical layer (layer 1) supports both an electrical interface (e.g., what is used in traditional radio base stations), and an optical interface (e.g. for radio base stations with remote radio equipment).

Jan 11, 2026

BBU Optical Module Transmit/Receive Fault

After combining the RRU log analysis and the alarm of the optical module, the radio frequency maintenance link is triggered by the power-off of the RRU board, as shown in the following screenshot.

Contact Us

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