

How to deal with the RRU background noise of LTE outdoor base station



Overview

This article explores the best practices to minimize radio frequency interference outdoors, helping you achieve robust and stable wireless communications.

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[How Do BBU and RRU Collaborate Efficiently in Base Stations?](#)

Discover how BBU and RRU work together via CPRI/eCPRI for efficient 5G signal transmission. Learn about functional splits, latency control, and O-RAN advantages.

[Identifying External Interference at Co-Located Cell Sites](#)

However, identifying the root cause of interference is not so trivial; it requires engineers to diligently inspect all aspects of a base station, including internal and external sources, including co-located cells.



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LTE Noise Problems

If noise generated in a mobile phone interferes with the antenna, the radio sensitivity lowers and the communication quality is degraded.

Therefore, such

[Noise in Telecommunication: Different Types and](#)

To overcome noise, it is divided into passive noise control and active noise control. Passive noise control is an effort to overcome noise using



[Hunting LTE Background Noise killing SNR : r/RTLSDR](#)

To work out what the issue could be, I've been running Zabbix to pull LTE metrics from the router and a background speedtest to get a long term trend to see if it's weather, day of the week, time of day

[Cellular Network Infrastructure: From Antenna to BBU](#)

It is typically connected to the base station's Remote Radio Unit (RRU) via a RET cable and to the antenna. The RCU sends commands to



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[LTE RF Channel Troubleshooting Guide , PDF](#)

This document provides troubleshooting guidance for LTE RF channel faults. It describes common uplink and downlink channel faults such as hardware issues,





[Best Practices to Reduce Radio Frequency Interference Outdoors](#)

Addressing RFI requires a multi-faceted approach involving proper planning, equipment selection, and ongoing maintenance. This article explores the best practices to minimize radio

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[LTE antennas: Reduce Digital Noise to Improve Signal Quality](#)

If the amount of digital noise picked up by your cellular antennas (LTE 4G or 5G) is causing a severe degradation of signal quality in specific areas, This article explains how to filter out

Radio solutions , Nokia DAC

The outdoor/high ceiling indoor micro remote radio head (mRRH) easily handles the challenging radio environments at industrial sites and provides coverage for



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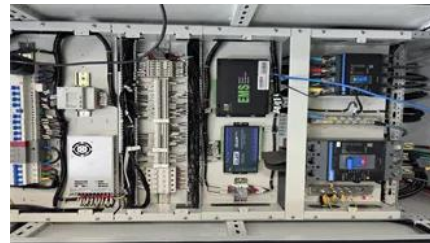


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