

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



## Overview

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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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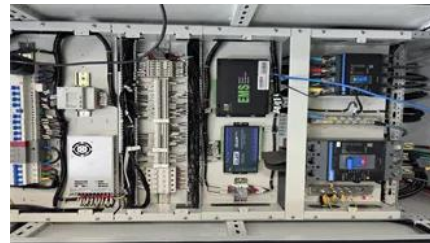


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