

## How to avoid lightning in outdoor signal base stations

For lightning, just give in to the fact that you will probably never be able to make the antenna/radio system lightning proof and disconnect the antenna when storms are approaching or ...

If lightning hits or even comes close, it can dump huge voltages into your antennas and cables. A low-resistance ground lets that energy drain fast, so your gear stands a much better chance.

While a lightning rod aims to attract and direct lightning to ground, a lightning arrestor handles the transient voltages that result from lightning, either direct hits or nearby strikes, especially as they ...

In base station lightning protection design, the grounding grid and ground busbars are key components. With proper design, they can effectively reduce the impact of lightning on the station.

Keep lightning outside of structure. i.e. route all antenna cables directly to lightning arrestors on outside of residence. Protect all "critical appliances" using high quality surge suppressors at each ...

We bond or interconnect grounds and pipes to the lightning protection system to avoid a portion of this problem. The next step is to provide protection on circuits associated with electrical, communication, ...

In this article, we break down the key requirements of the industry standard YD5068-98 - Code for Design of Lightning Protection and Grounding of Mobile Communication Base Stations, and explain ...

For example, on the antenna side, put a lightning arrestor or single turn of coax on each coax before it enters the house. This way, lightning will see or look for a better path to ground.

Lightning Protection for the Amateur Radio Station Part 3--In this final installment, the author shows how to develop a good external ground system to complete your station's protection.

Install lightning rods, grounding, surge protectors, shielding, and follow standards for effective communication station protection.

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