



The cost of PIM

Having PIM costs
networks

\$\$\$

every year due to:



Building new sites



Customer churn



Tower climbs



Multiple site visits

**Don't think that you have
PIM?**

[Click here](#)

**Think that PIM is too
expensive to fix?**

[Click here](#)

1dB of PIM \approx **10%** coverage loss

9dB of PIM \approx **60%** reduction in
'high speed' service/coverage
area

↓ Throughput

↑ Latency

↑ Dropped calls

↓ Accessibility

View CAPEX+OPEX savings



PIMForensics saves \$\$\$

No
Calibration



No tower
climb



Small
and light



Frequency
agnostic



Easy to set up
and use



No down time



Detailed
Reports



No Building
new sites



Long term
monitoring



No Customer
churn



Measure
PIM against
Live Traffic





Cost of not fixing PIM

CAPEX:

New cell site build & equipment ≈ **\$80-100k**

OPEX:

power, lease, leaseline, etc ≈ **\$1000-1500 p/m**

9dB of PIM typically reduces a sites coverage by 50%, this could result in a 50% reduction in revenue (and increased churn)



Don't think you have PIM?

x9

The probability of having PIM multiplies nine fold when you add two bands to a three band site.

A site operating 5 bands (typical) will have:

≈ **10 PIM issues** of 3rd order PIM.

≈ **200 PIM issues** of 5th order PIM.