

Radio coverage report

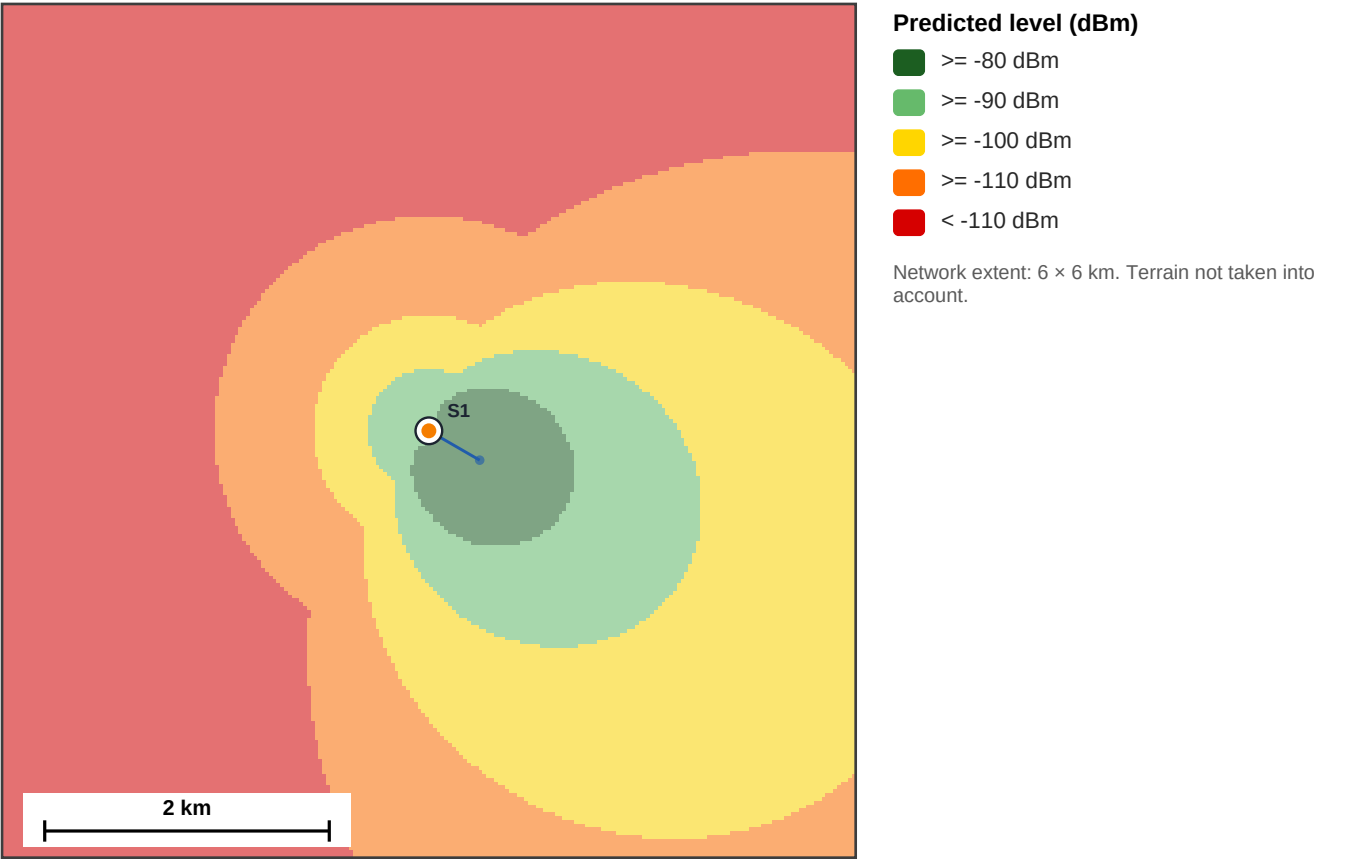
SAMPLE REPORT — DEMONSTRATION DATA — NOT A FIELD VALIDATION

Site : Sample LTE Site
Coordinates : 0.12345, -0.54321 (WGS84)

Input parameters

Antenna height	32 m	Azimuth	120°
Tilt (mech + elec)	4.0°	EIRP	58.0 dBm
Band	1800 MHz	Receiver height	1.5 m

Propagation model: COST-231 Hata (urban_medium) — Urban medium environment



Results

Cell radius: 3.00 km at the -105 dBm threshold (cell-edge RSRP).

Assumptions

This document is a coverage prediction, not a field measurement. Model COST-231 Hata (urban_medium) (Urban medium environment), outdoor receiver 1.5 m above ground, 3GPP antenna pattern (65° horizontal beamwidth). Flat terrain assumed (elevation data unavailable at generation time). Actual levels may vary with local clutter, nearby obstructions and network load.

This report uses demonstration data. Coverage results are planning estimates based on configured RF parameters and propagation assumptions. Field validation is recommended.