Coverage test

RADIO RENTAL | FIELD GUIDE

Record what your team needs to hear in each area.

A 1 km or 5 km route alone does not define range. Use real operating conditions and the equipment combination that will be deployed.

Site / operation: _____ Date and time: _____
Radio / antenna / battery / accessory: _____
Configuration / group: _____ Responsible person: _____

Define who needs to communicate. List essential locations: gatehouse, docks, basement, floors and route endpoints. Agree on acceptance criteria beforehand.

Represent normal working conditions. Record doors, machinery and vehicles in the relevant conditions. Follow site access and safety rules.

Make calls in both directions. Identify the point, send a short sentence and request acknowledgement. Reverse who transmits, keeping the radio in its normal position.

Test audio and accessories together. Use compatible earpieces or microphones, uniform and gloves where applicable. Check message comprehension, volume and PTT access.

Record cut-offs and repeats. Distinguish understood, partial and unreceived messages. An audio difficulty should not automatically be attributed to range.

Plan batteries and shifts. Define users, spares and charging. A short call test does not prove battery life for the whole working day.

Record outstanding issues. Note the location, call direction, conditions and who will follow up. Use the table below or attach a longer list.

Reassess with technical guidance. If failures occur, compare the proposed solution on the same route. Do not change antennas, power or frequencies on your own.

Area log - attach additional rows as needed

Origin / destination	Condition / direction	Result / outstanding issue

When requesting rental: provide city, dates, users, shifts and essential locations. Share outstanding issues so the proposal can be planned.

This record applies only to the tested equipment and conditions. It is not an RF report or a guarantee of distance, coverage or battery life. Frequency use must follow the authorized configuration.

Full guide: abcmaistelecom.com.br/en/blog/radio-rental-1-km-5-km-coverage-test/