

MCM OFA LTE/5G Measuring Unit

IP67 indoor and outdoor probe that logs RSRP, RSRQ, SINR, Wi-Fi and spectrum with GPS, 24/7 from vehicles.

Featured

Hardware

RF & wireless measurement

In development



KEY FEATURES

Autonomous 24/7 measurement from every vehicle, without an operator

LTE/5G (RSRP, RSRQ, SINR, cell ID), Wi-Fi scan and RF spectrum in one probe

1 Hz GPS tagging of every sample, plus triaxial vibration sensing

Offline-first buffer with automatic batch sync to MCM Center

TYPICAL APPLICATIONS

Continuous coverage monitoring of mobile fleets

Root-cause analysis of vehicle communication failures

Haul road roughness and impact mapping

TECHNICAL HIGHLIGHTS

HOUSING	IP67, vehicle mount, 12/24 VDC
CELLULAR	LTE / 5G NR SA/NSA
SPECTRUM	240 MHz to 6.1 GHz sweeps
POSITIONING	GNSS, 1 Hz
LOCAL BUFFER	Up to 500 MB, store-and-forward
STATUS	In development

Indicative specifications, confirmed per project.

INDUSTRIES

Mining

Ports & logistics

Telecom & private networks

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