

XCAL-Mobile

Smartphone based portable In-building Testing Solution

Capturing RAN (Radio Access Network) performance has never been easier. XCAL-Mobile is a leading handheld air interface monitoring tool that facilitates QoS (Quality of Service) and QoE (Quality of Experience) testing across various technologies, including GSM, CDMA, EVDO, WiFi, LTE, LTE-A, NB-IoT, and 5G NR. It provides extensive application testing capabilities and delivers real-time network measurement and visualization on smart devices. With XCAL-Mobile, all features can be easily controlled using the regular handset keys, making it user-friendly for anyone. It supports all major smartphones and can also be extended to include Android devices.

Features

- * Create and Edit Auto call scenario
- * Monitor measured data through smartphone display in real-time
- * Auto screen capture function for reporting the issue
- * Support MOS test
- * Remote control by XCAL-Manager (Log file management and remote control test)



5G NR Features

Summary



Signal Message



Beam Measurement



Inter-RAT



Functions

- * Collect RF information in real-time
- * Autocall setting
- * Log mask setting
- * Call test result history
- * Log upload
- * In-building measurement
- * Google map

Title	Description
Device Requirements	Android 8.0 (Android 8.0-11.0) or above
Wireless Telecommunication Technology	CDMA/EVDO, 2G (GSM/GPRS/EDGE), 3G (UMTS/HSPA), LTE (4G-FDD & TDD), LTE-A, 5G NR, NB-IoT, WIFI
Call Type	VoLTE, Voice, FTP, Web Browser, SMS, Email, Ping, YouTube, Netflix, Social media (facebook, Twitter, Instagram), Skype/WhatsApp, Dropbox, Google Play, etc.
5G NR KPI Monitoring	PCI, SSB Index, BRSRP, BRSRQ, SNR, DMRS SNR, Frequency Offset, Time Offset, SS-RSRP, Subcarrier Spacing, Pathloss, RB Num(Avg), MCS0 Index(Avg), MCS0 Mod. Rate(Q/16/64/256), PDSCH Throughput, MAC Throughput, PDCP Throughput, NR-ARFCN, DL Frequency, PDSCH BLER, UL RB Num(Avg), UL Allocated Slots, PUSCH BLER