Opale Smartphone Supervizer (OSS)

OSSis the Opale brand-new Androidapplication thatfully leverages the capabilitiesof theAndroidSDK to provide deeper insights into wireless connections.

With the growing demand for mobility, visibility into mobile performance has become essential. When mobile tests produce unexpected results, it is critical to understand the underlying test conditions to properly analyze outcomes. OSS is a node, part of the MultiDSLA solution, enabling automated speech call control and speech quality measurements on Android Mobile phones, while also providing signal strength and location information during calls. OSS manages the entire call process—from setup to termination— and delivers real-time statistics and connection status updates at one-second intervals directly to the MultiDSLA controller. Additionally, a dedicated user interface on the mobile device provides live access to connection status information, allowing immediate insight into current network conditions. A User Interface, in the mobile, will give access, in live, to connection status. Requisites

- Androïd version 8.0.0 Oreo (Level 26) and above
- required. OSS is only available with MultiDSLA 7

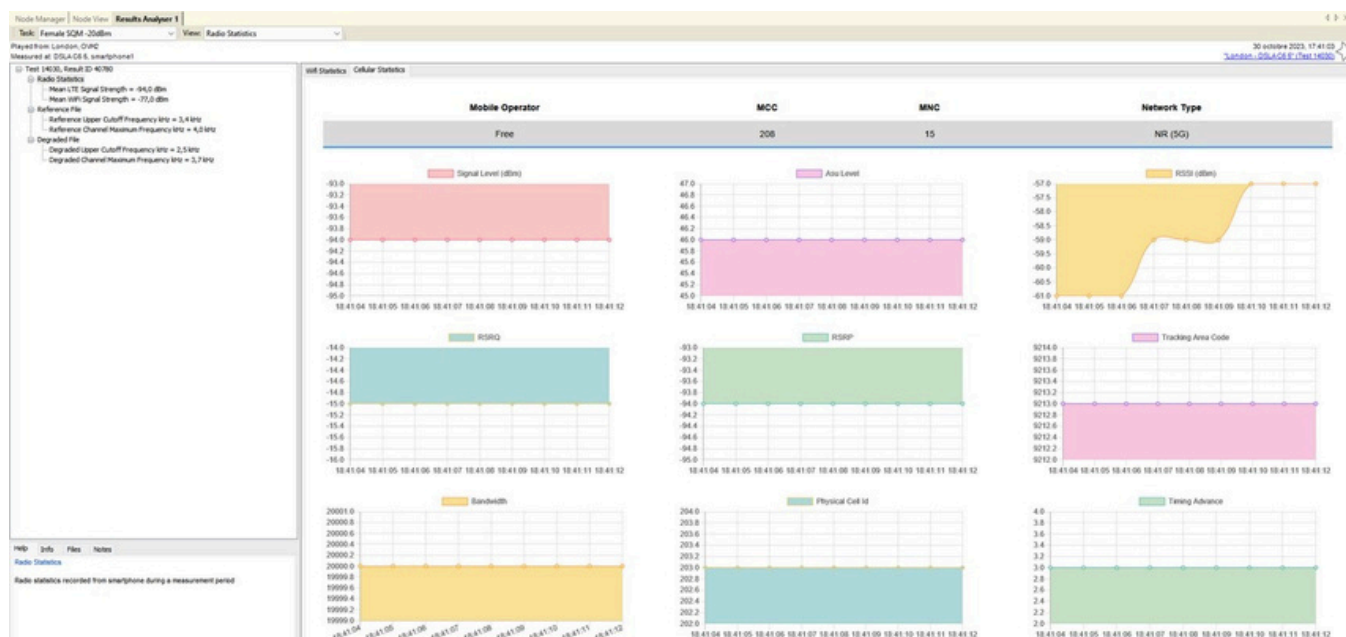| Product N°	Model	Description
000197	OSS	Opale Smartphone Superviser (new setups)
000198	SC UPG	Upgrade from SC to OSS (SC customers)

Key points

Wifi Get WiFi connection information and identify when Roaming is performed, a monitor traffic stats within MultiDSLA test.

From GSM to 5G Get all mobile connection status and statistics during a test with MultiDSLA and/or in Live.

New framework Enabling easier development of new features.

Local UI Monitor in live your wireless connectivity within the mobile.

Wireless visibility

Global Stats*

Bit rate andpacketrate on Wifi interface and on Mobile interface

Wifi info*

Linkspeed rx/tx, bssid,connection state, frequency, ip address, link speed max rx/tx, mac address, passpoint fqdn, passpoint pfn, rssi,ssid,wifi standard

GSM*

ARFCN,BERT, BSIC, CID, DBM, LAC, MCC, MNC, MNO, RSSI, TA
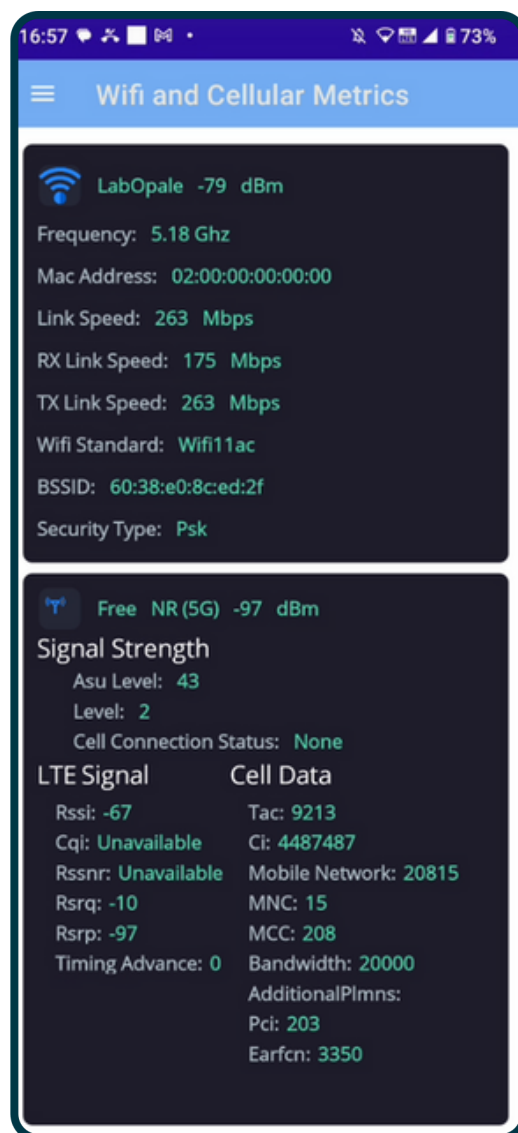
TDSCDMA*

CID,CPID,LAC,MCC, MNC, MNO, RSCP, UARFC
N

CDMA*

BASESTATION ID, CDMADBM, CDMAECIO, CDMALEVEL, EVDODBM, EVDOECIO, EVDOLEVEL, EVDOSNR, LATITUDE, LONGITUDE, NETWORKID, SYSTEMID

LTE*

BANDS, BANDWIDTH, CI, CQI, EARFCN, MCC, MNC, MNO, PCI, RSRP, RSRQ, RSSI, RSSNR, TAC, TIMINGADVANCE

5G/NR*

BANDS, CSIRSRP, CSIRSRQ, CSISINR, MCC, MNC, MNO, NCI, NRARFCN, PCI, SSRSRP, SSRSRQ, SSSINR, TAC

WCDMA*

CID, ECNO, LAC, MCC, MNC, MNO, PSC, UARFCN

16:57

Wifi and Cellular Metrics

LabOpale -79 dBm

Frequency: 5.18 Ghz

Mac Address: 02:00:00:00:00:00

Link Speed: 263 Mbps

RX Link Speed: 175 Mbps

TX Link Speed: 263 Mbps

Wifi Standard: Wifi11ac

BSSID: 60:38:e0:8c:ed:2f

Security Type: Psk

Free NR (5G) -97 dBm

Signal Strength
Asu Level: 43
Level: 2
Cell Connection Status: None

LTE Signal
Rssi: -67
Cqi: Unavailable
Rssnr: Unavailable
Rsrq: -10
Rsrp: -97
Timing Advance: 0

Cell Data
Tac: 9213
Ci: 4487487
Mobile Network: 20815
MNC: 15
MCC: 208
Bandwidth: 20000
AdditionalPlmns:
Pci: 203
Earfcn: 3350