

# Pilot Walktour Pack V) '\$



## High Performance Chassis for Portable Mobile Network 6 YbW a U\_]b[



Pilot Walktour Pack is a portable multi-technology (2G/3G/4G/5G) and multi-terminal radio access network test and measurement solution for mobile network evaluation and benchmarking. The newly redesigned Pilot Walktour Pack backpack case supports up-to 10+4 test terminals and a scanning receiver. The terminals are controlled by an iPad or Android tablet controller unit (connected over USB cable or WiFi hotspot) for measurement configuration, execution and monitoring. This lightweight solution is suitable for indoor/outdoor walk test or outdoor drive test. The robust design also includes hot swappable battery for uninterrupted and continuous network testing campaign.

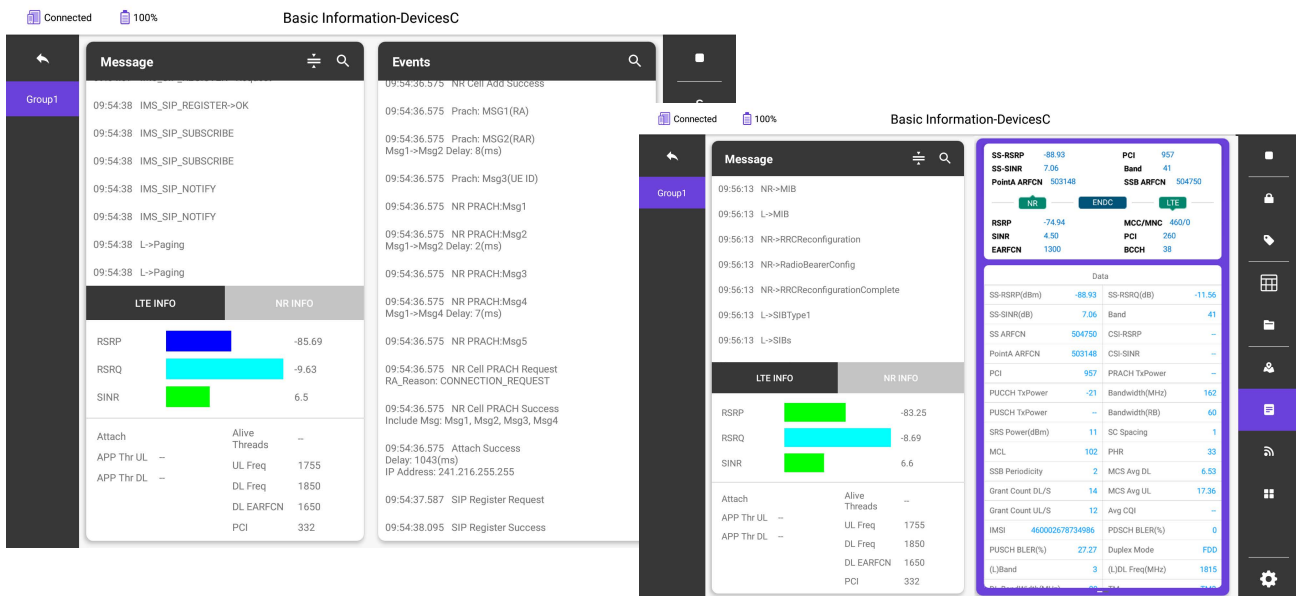
## System Architecture



## 5G NR Measurement

Pilot Walktour Pack supports 2G, 3G, 4G and 5G radio access technology. For 5G, various Qualcomm and HiSilicon chipset-based test terminals are supported. This would allow the benchmarking campaign to cover.

- ✓ 5G network and services performance between multiple network operators
- ✓ performance between various 5G terminal models
- ✓ terminal performance between different chipset vendor
- ✓ performance and coverage between different radio access technology for example 2G, 3G, 4G and 5G



## Portable Backpack Solution for Indoor and Outdoor Testing

Designed with portability in mind, Pilot Walktour Pack is well suited for multi-terminal test and measurement, and benchmarking for indoor areas such as airports, train stations, shopping malls etc. The form factor and flexible features also extends its usage for outdoor field test such as in a drive test scenario.

## Extensive Selection of Test Terminal

Simultaneous testing with 10+4 test terminals (and a 3rd party scanning receiver) is feasible, where test configuration and execution is managed by a controller unit running on an iPad or Android tablet. This is connected via USB cable or 2.4G/5G WiFi hotspot for an enhanced connection stability between the Pilot Walktour backpack and the tablet controller. Dual hot swappable battery (upto 6 hours of battery life each) for a consistent and uninterrupted power supply especially in a benchmarking campaign. Post analysis can be done remotely with Pilot Pioneer Expert post processing solution or Pilot Fleet Unify system.

Pilot Walktour Pack extensive test terminal support includes Samsung Note10+ 5G, Samsung S20 G9810(China), ZTE Axon 10 5G Pro, Samsung S8 G9500, Vivo iQoo Pro 5G, Mi MIX 3 5G, Redmi K30 5G, Samsung S7 G9300, Vivo Y85A, Vivo Y79A, Vivo X23.

## Modern Services Testing

Pilot Walktour Pack incorporates the latest voice and data services test for 2G/3G/4G/5G from subscribers' perception.

### Voice quality

- ✓ M2M (PESQ/POLQA), VoLTE, 2G/3G calls

### Data performance

- ✓ Ping, FTP (DL/UL), Multi FTP, HTTP Download/Page, WAP, Email, Traceroute, Attach, SMS, MMS, DNS Lookup, Speed Test, PBM, Video Play

### Scanner application

- ✓ Support CW and Pilot scanning test with PCTEL IBflex

## Hardware Specifications

<b>Size</b>	<b>408*300*124mm</b>
<b>Interface</b>	<ul style="list-style-type: none"><li>▪ 10 default and 4 standby USB interfaces</li><li>▪ 1 LAN interface</li><li>▪ 1 SMB antenna connector</li></ul>
<b>Weight</b>	4.6Kg
<b>Battery Capacity</b>	10.8V, 6800mAh*2
<b>Battery Life</b>	6 hours
<b>CPU</b>	i3 6100
<b>GPS</b>	SMB Interface
<b>WiFi</b>	2.4GHz, 5GHz
<b>Work Temperature</b>	-10°C to +40°C
<b>Storage Temperature</b>	-45°C to +85°C
<b>Humidity</b>	93%RH , +40°C
<b>Supply Voltage</b>	10V~30V DC, <78W
<b>Supply Power</b>	6.5A