

Deviser Instruments

Mobile and EMF presentation

**The magic 5G.... Strategy for the
coming years**

Q1/2021

Wireless Testing

Wireless Cable & Antenna Analyzers,
Site Profiler 1 Port

- Return Loss
- VSWR
- Cable Loss
- DTF: Return Loss & VSWR
- RF Power Measurement
- Workbench Data Management SW



E7000L

Wireless Testing

Wireless Cable & Antenna Analyzers, *Site Profiler 2 Port*

- Return Loss
- VSWR
- Cable Loss
- DTF: Return Loss & VSWR
- RF Power Measurement
- Spectrum Analysis up to 3GHz
- Transmission Crosstalk
- Workbench Data Management SW



E7000A

Wireless Testing

Wireless Cable & Antenna Analyzers, *Site Profiler 2 Port*

- Return Loss
- VSWR
- Cable Loss
- DTF: Return Loss & VSWR
- 1-Port Phase
- Smith Chart
- Fiber Inspection
- Visual Fault Location (VFL)
- Optical Power Measurement
- RF Power Measurement
- Transmission Crosstalk
- Spectrum analysis like E8400, 600
- Workbench Data Management SW



Approved at DT, Vodafone, Telefonica



E7042, 62B

Wireless testing

Wireless spectrum *Profiler*

- Spectrum Analysis
- Channel Power
- Occupied Bandwidth (OBW)
- Adjacent Channel Leakage Ratio (ACLR)
- Field Strength
- FM/AM
- Interference Analyzer (DML-110)
- Coverage Mapping (DML-120)
- High Precision Power Meter (DML-015)
- Tracking Generator (DML-035)
- GPS (DML-999)
- LTE FDD Analyzer (DML-803)
- LTE FDD Air Interface Test (DML-804)
- LTE TDD Analyzer (DML-805)
- LTE TDD Air Interface Test (DML-806)
- Workbench Data Management SW



E8400, 8600B

- Frequency Range 9kHz - 9GHz
- 30GHz/s Sweep time (@ 7.8 KHz RBW)
- 110MHz Real-Time Analysis Bandwidth
- Downlink Signal Demodulation
- Analysis of 5G NR Base Station
- TDD & FDD LTE
- GSM & UMTS (Q2/21)
- IQ Data Acquisition
- Timing Alignment Error (120ns accuracy)
- integrated Antenna 300MHz – 8.5 GHz
- Windows OS



E8900A

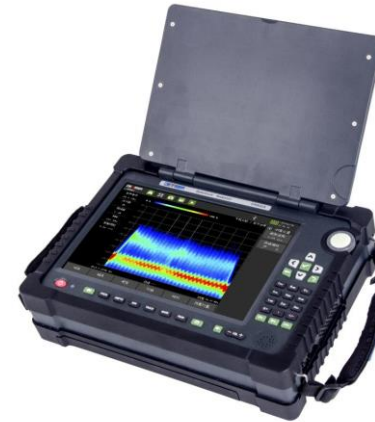
- FR1 Frequency Range below 7.125 GHz
Analyzer bandwidth 110 MHz real time
- FR2 Frequency Range above 24.250 GHz
Analyzer bandwidth 210 - 500 MHz real time

scanning speed of 100 GHz/s

E8933A for 33GHz

E8950A for 50GHz

E8960A for 60GHz



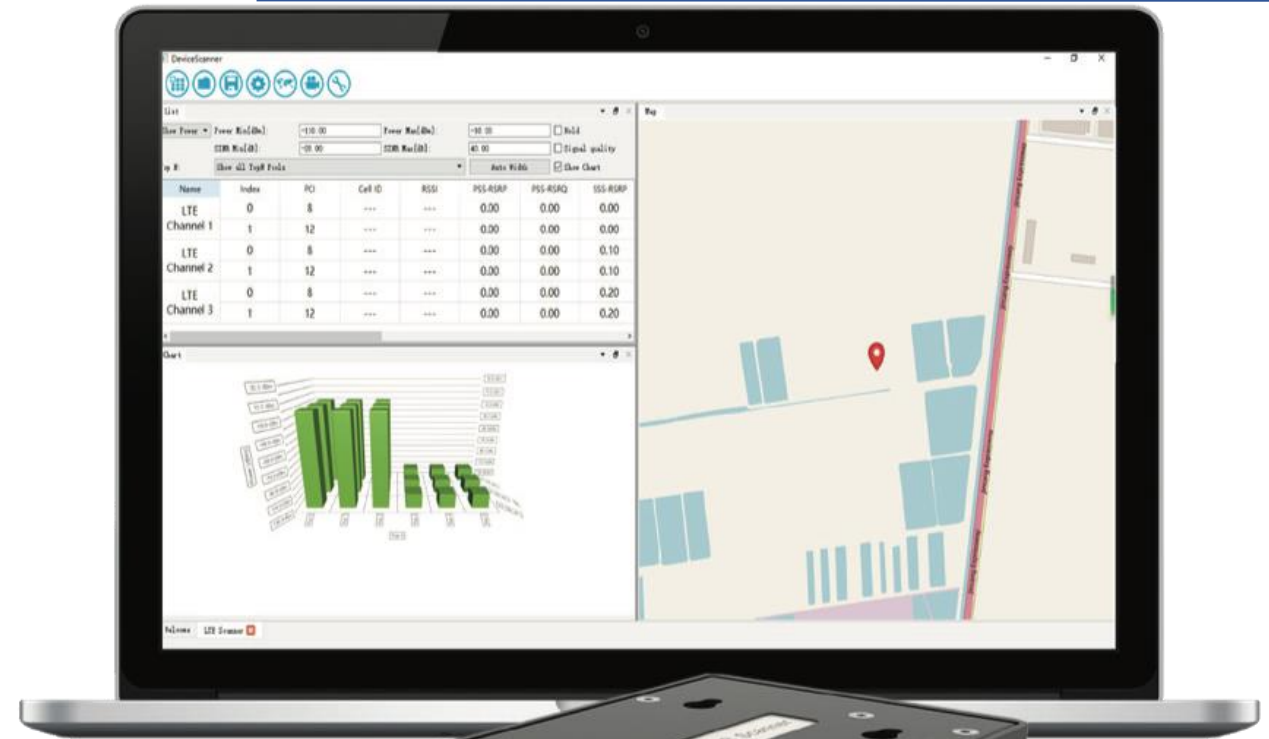
Q2 Deviser start

FR2 development

....launch Q2/2022



- Frequency Range 350MHz - 6GHz
- Downlink Signal Demodulation
- Analysis of 5G NR Base Station
- Analysis of LTE (TDD/FDD)
- GSM & UMTS (Q2/21)
- Layer-3 decoding
- up to 32 channels simultaneously
- Windows 10 OS
- Portable Design



E816 A and B

- Frequency Range 9kHz - 9GHz
- E8900M Spectrum Analyzer
- DJI 600
- Downlink Signal Demodulation
- Analysis of 5G NR Base Station
- Analysis of LTE (TDD/FDD)
- Interference hunting

Sales models:

Rental

Cooperating with a drone service company

1st target customer = regulator



Lark 8000

Who is the customer?

Mobile Operators and their subcontractors

Equipment manufactures and their installation teams

Regulators

Power companies

Factories

Building construction people like Building Biologists

Work safety

Healthcare

people who are producing or installing equipment which generates electro magnetic waves

Conspiracy Theoreticians

5G



EM560

EM860

EM9

EMF = electro magnetic field

A telecom customer is interested in the quality of his signal performance of his network

A EMF customer are absolutely not interested in the signal quality he are interested in the Signal! The emitted power at his location in Volt or Tesla.

He use selective Analyzers only to identify and measure the source power.

Broadband EMF analyzer EM9

- Frequency Range DC- 40GHz
- Built in GPS/Beidou and electronics compass
- Quick record site condition by HD camera
- Record working routine and geographic information
- Built in 5G SIM card, access base station ID directly
- Auto-generate drive test data
- User defined test template
- Bluetooth and fiber optics(optional)
- Build in camera
- Build in Laser Range Finder



Selective EMF analyzer EM860

- 1.Safety Evaluation
- 2.Spectrum Analysis
- 3.Level Recorder
- 4.Analysis of Electromagnetic Field Strength
- 5.2G - 5G Demodulation
- 6.Powerful Background Data Management System

Launch April 2021



EMF Analyzer EM560

Low frequency range Application 1Hz - 400kHz

Broad application

Telecom, Industrial, Railway, power companies.....

Launch June 2021

The magic 5G.... Strategy for the coming years

Deviser in one piece of the complete picture

Deviser offers 100% field OTA applications

Marketing application, picture, video database

Social media marketing support from the factory start Q2