



9KHz-20GHz

TA9180 DESKTOP SPECTRUM TESTER

A POWERFUL RF SIGNAL ANALYSIS TOOL



EXCITING HIGHLIGHTS

The icon consists of the letters 'I' and 'Q' in a stylized, blue, sans-serif font.

IQ ANALYSIS MODE

The icon features the text 'GSM' stacked above 'EDGE' in a blue, sans-serif font, enclosed within a blue square border.

GSM/EDGE MODE

The icon consists of the letters 'LTE' in a large, blue, sans-serif font.

LTE MODE

The icon consists of the text '5G' followed by 'NR' in a superscript font, all in a blue, sans-serif font.

5G NR MODE

The icon consists of the letters 'V' and 'E' in a large, blue, sans-serif font.

**VECTOR SIGNAL
DEMULATION**

The icon consists of the text 'NB-LTE' in a blue, sans-serif font.

**NB-LTE
ANALYSIS MODE**

The icon consists of the text '3G FDD' in a blue, sans-serif font.

**3G FDD UP/DOWN
ANALYSIS MODE**

The icon consists of the letters 'WLAN' in a blue, sans-serif font.

WLAN LINE ANALYSIS

The icon is the standard Bluetooth symbol, a blue combination of a stylized 'H' and a 'B'.

**BLUE TOOTH
ANALYSIS MODE**

The icon consists of the letters 'CDMA' in a blue, sans-serif font.

**CDMA2000 UP/DOWN
ANALYSIS MODE**

The icon consists of the letters 'V2X' in a blue, sans-serif font.

**V2X ANALYSIS
MODE**

The icon is a stylized representation of a frequency spectrum, showing several vertical bars of varying heights in a blue color.

SPECTRUM ANALYSIS

IQ ANALYSIS MODE

ONE CLICK ACCESS TO ANALYSIS DATA

IQ analysis mode is a standard configuration of the TA series spectrum analyzer, which can obtain IQ data, perform basic signal analysis, and output IQ data.



【IQ Analysis】



【Occupied bandwidth】

5G NR TEST FUNCTION

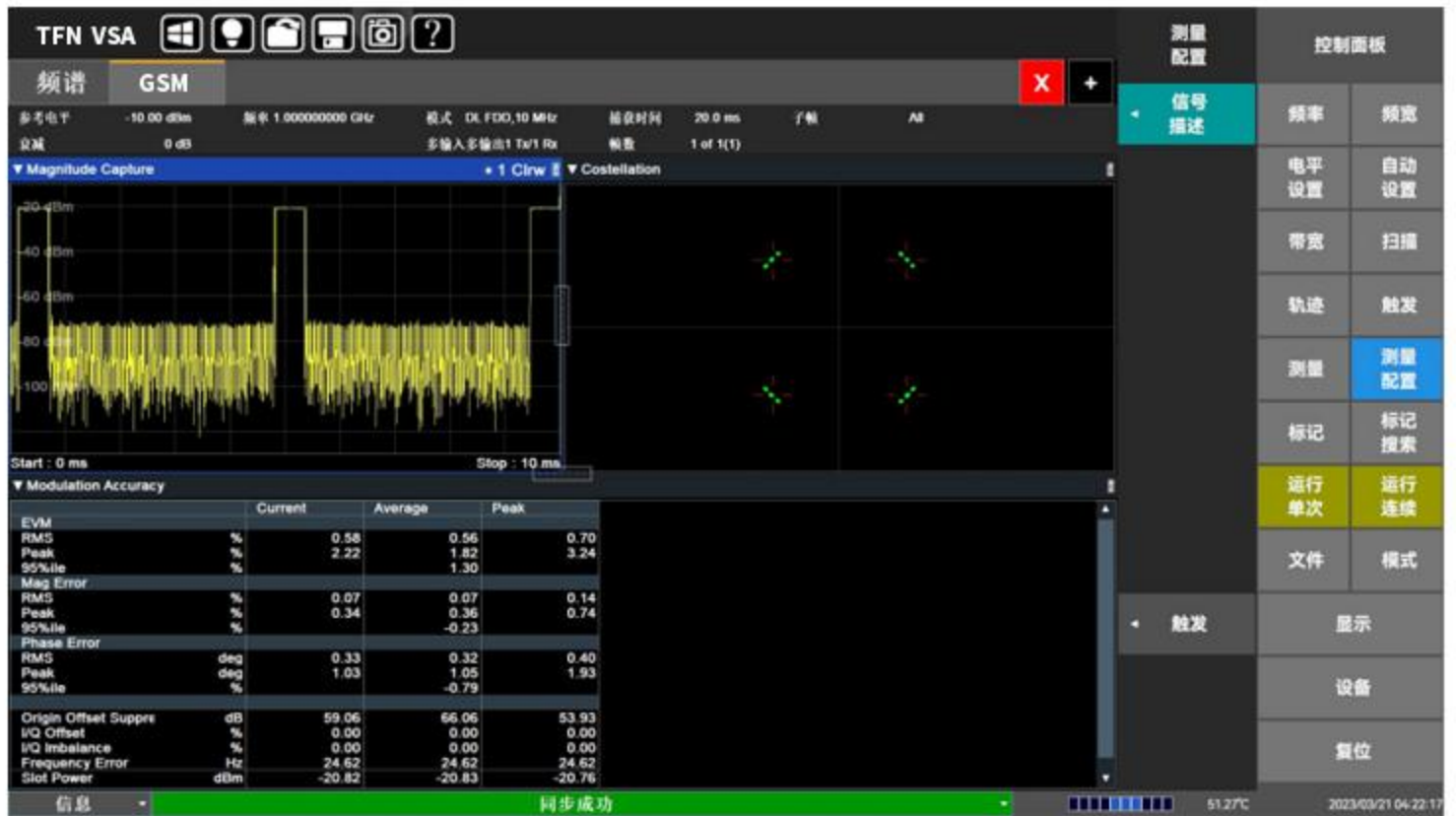


EFFICIENT ANALYSIS MASTER

EXCELLENT LTE/ GSM/ NB IOT DEMODULATION ANALYSIS



【LTE analysis】



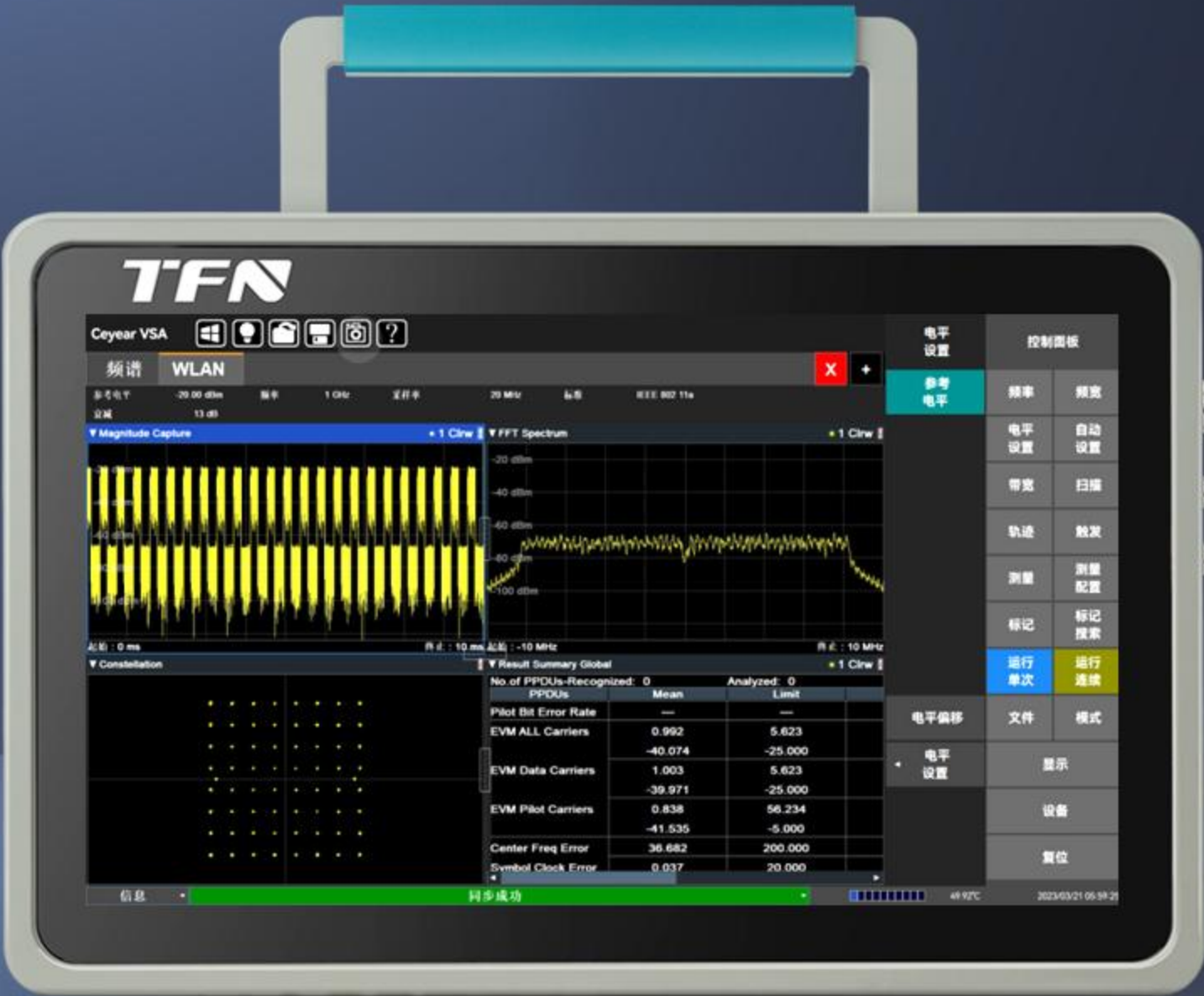
【GSM Analysis】



【NB-IoT analysis】

PERFECT ANALYSIS FUNCTION

Supports WLAN signal analysis, Bluetooth signal analysis vector signal analysis, WCDMA signal analysis, V2X signal analysis, etc





【WLAN signal analysis】



【Bluetooth signal analysis】

SIGNAL RECEPTION

Make the speed superior to others



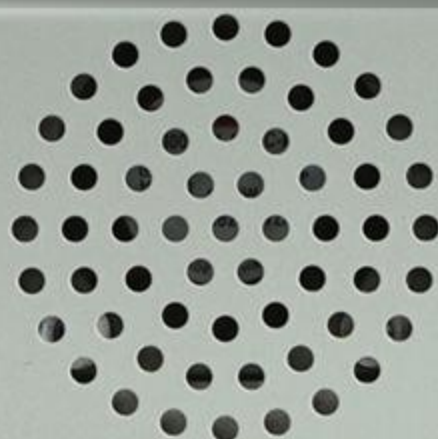
RF IN
+30dBm MAX



10MHz In



Trig In



EASY TO CARRY

JUST LEAVE AS SOON AS YOU SAY



Unlike traditional spectrographs with a heavy body, the TA9180 is as light as a laptop, making it easy to store and carry, catering to different environments.



MULTIPLE
SCENES



MULTI SCENARIO USAGE



Handheld testing



Desktop testing



Back attachment bracket



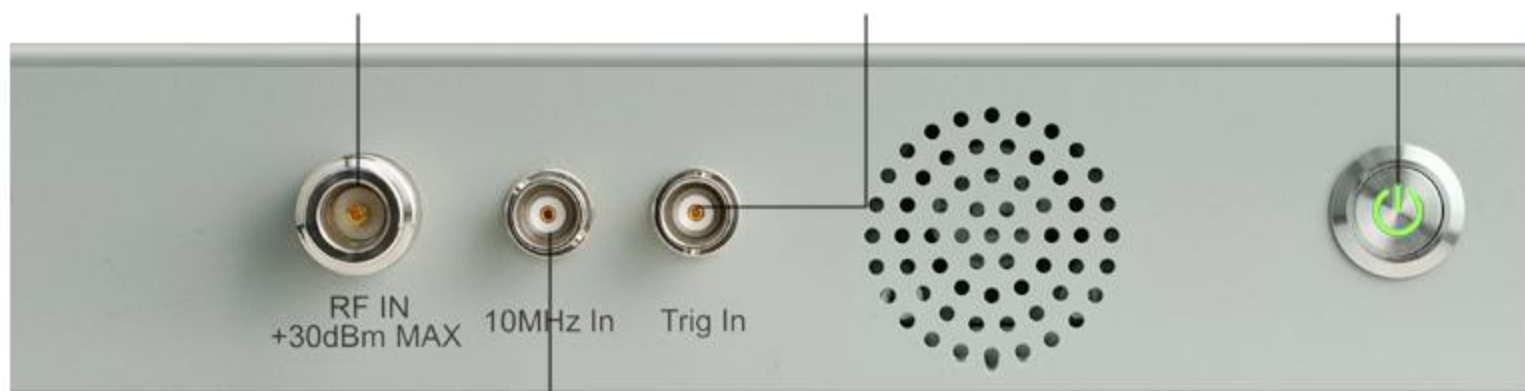
Smooth and silky texture

APPEARANCE DISPLAY MAKE TESTING EFFORTLESS

External RF signal
input interface

External trigger signal

Opening the light



External 10MHz reference signal



Ethernet
interface

USB interface

Power supply

TECHNICAL PARAMETER

MAKE TESTING EFFORTLESS

Frequency range	9KHz-20GHz
Resolution bandwidth	1Hz~3MHz
Frequency accuracy	$\pm (0.05\text{ppm}+5\text{Hz})$
Reference level	-140dBm ~ 30dBm
Real time bandwidth analysis	Can reach 100MHz
Maximum safe input level	+30dBm, +60dBm (5292A-AT30)
SSB Phase Noise	$\leq -106\text{dBc/Hz}@10\text{kHz}$, $\leq -120\text{dBc/Hz}@1\text{MHz}$
Level accuracy	$\pm 1.0\text{dB}$
Third order intermodulation interception point	100kHz~3GHz: $\geq +10\text{dBm}$ 3GHz~6.3GHz: $\geq +12\text{dBm}$
Second harmonic suppression	$< -75\text{dBc}$