

R&S® CMA180 Radio Test Set

Ultimate RF testing solution

最好的射频测试解决方案



致力于电子测试、维护领域!



The perfect choice for

Analog and digital radio servicing and maintenance	Testing of onboard aircraft equipment
Service testing of GNSS receivers	Recording and playback of proprietary signals

Key specifications

Frequency range	0.1 MHz to 3000 MHz
RF bandwidth	20 MHz
Modulation	AM, FM, PM, SSB
Max. input power	150 W
I/Q recorder	64 MSample
ARB generator	4 Gbyte
Avionics	ILS, VOR, MB, VOIP

Truly uncompromised in flexibility

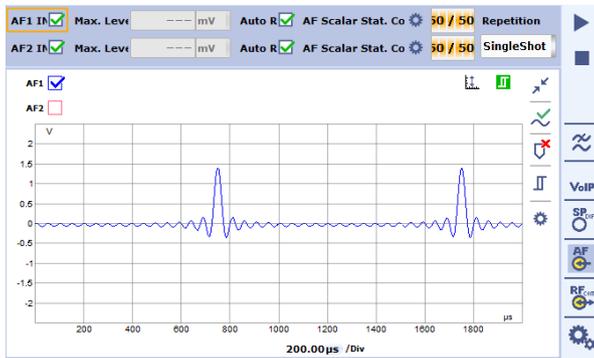
The R&S®CMA180 is a radio test set for radio systems that operate in the 100 kHz to 3 GHz range. Its technology is based fully on digital signal processing and advanced computing. Intuitive operation and efficient measurement capabilities make the R&S®CMA180 an indispensable tool for performing radio measurements.

Your benefit	Features
No trade-offs	<ul style="list-style-type: none"> Frequency range from 100 kHz to 3 GHz Analog modulation and demodulation Up to 150 W peak input power Integrated audio generators Audio quality tests Integrated sweeping spectrum analyzer, tracking generator and interferer
Avionics integrated	<ul style="list-style-type: none"> AM communications tester ILS/VOR and marker beacon generator VOIP (ED-137B) generator and analyzer
Digital flexibility	<ul style="list-style-type: none"> I/Q recorder and ARB generator Digital signal analysis



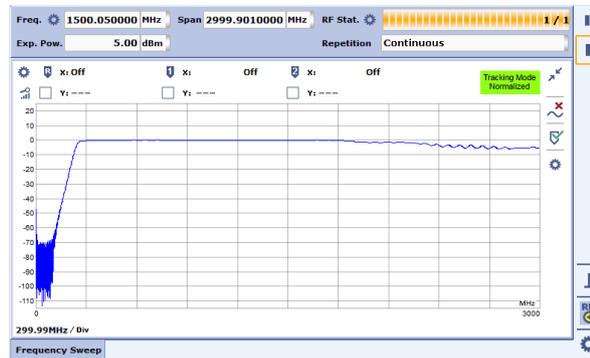
Extensive measurement functionality

Oscilloscope



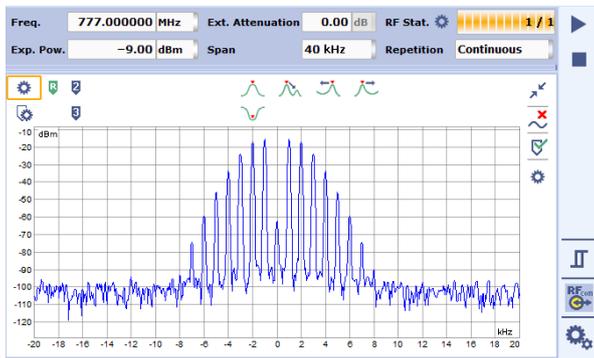
Audio signal analysis with built-in oscilloscope.

Tracking generator



Measuring RF filters and tuning them with the built-in tracking generator.

Built-in sweeping spectrum analyzer with time domain analysis (zero span)



Analysis of an FM signal with sweeping spectrum analyzer.

Digital measurements



Hooking up the RS®VSE gives you maximum flexibility when analyzing proprietary digital signals.

Diverse, future-ready configuration options



Integrated VOIP generator for testing air traffic controller equipment in accordance with ED-137B.

Popular options

Hardware options	Type
Baseband generator, 4 Gbyte	R&S®CMA-B110D
Software options	
Spectrum analyzer and tracking generator	R&S®CMA-K120
ILS/VOR generator	R&S®CMA-K130
I/Q recorder	R&S®CMA-K220
Accessories	
Transit case	R&S®CMA-Z020A
Soft case	R&S®CMA-Z025A



With the transport trolley and the carrying bag, you can take the RS®CMA180 anywhere you need it.



北京海洋兴业科技股份有限公司 (证券代码: 839145)

北京市西三旗东黄平路19号龙旗广场4号楼 (E座) 906室

电话: 010-62176775 62178811 62176785

企业QQ: 800057747 维修QQ: 508005118

企业官网: www.hyxyyq.com

邮编: 100096

传真: 010-62176619

邮箱: market@oitek.com.cn

购线网: www.gooxian.com



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