

All standards

The test and measurement instruments for broadcast equipment manufacturers are available for all common standards:

Cable

- DVB-C
- ISDB-C
- J.83/B

Satellite

- DVB-S, DVB-S/DSNG
- DVB-S2
- DirecTV

Terrestrial sound broadcasting

- DAB
- ISDB-Tsb

Digital terrestrial

- DVB-T
- ISDB-T
- ISDTV
- DMB-T
- DTMB (GB20600-2006)
- ATSC/8VSB and ATSC/A-VSB

Analog terrestrial

- B/G, D/K, M/N, L and I
- PAL, NTSC and SECAM

Mobile TV terrestrial

- DVB-H
- T-DMB
- ISDB-T
- MediaFLO™
- DMB-TH

Service you can rely on

- In 70 countries
- Person-to-person
- Customized and flexible
- Quality with a warranty
- No hidden terms

As the leading supplier to the broadcasting market, Rohde&Schwarz offers a complete range of state-of-the-art transmission, monitoring, and measurement equipment for network operators and the consumer industry. For further information, just contact us or visit our website.

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For all tests at manufacturers and network operators

Rohde&Schwarz offers you the right instrument: innovative technology, versatile performance, future-proof and budget-friendly.

For manufacturers of broadcast equipment (such as TV sets, set-top boxes, mobile TV receivers)

- For manufacturing: the R&S®SFE100 single-standard test transmitter
- For a variety of tasks in service, in the lab and in manufacturing, e.g. for quality assurance: the R&S®SFE multistandard tester
- For demanding development tasks: the R&S®SFU broadcast test system

For operators of broadcast networks (terrestrial, cable, satellite, IPTV)

- For field measurements: the R&S®FSH3-TV
- For signal analysis and demodulation: the R&S®ETL
- For network monitoring: the R&S®DVM100, R&S®DVM100L and R&S®DVM120
- For lab and quality-assurance tasks: the multistandard R&S®DVM400


www.rohde-schwarz.com/ad/tam

75 Years of Driving Innovation



For operators of broadcast networks


(terrestrial, cable, satellite, IPTV)



Field measurement

Save costs, increase efficiency – the R&S®FSH3-TV


- TV and spectrum analyzer up to 3 GHz in one box
- Test functions for analog and digital TV signals (DVB-C (J.83/A/C), J.83/B or ATSC/8VSB)
- Combined video and ASI output
- Portable (compact, stable, up to four hours operating time on battery power)
- Wide selection of accessories for a variety of measurement tasks



Service and monitoring

TV test receiver and analyzer in one box – the R&S®ETL

- Multistandard TV and spectrum analyzer up to 3 GHz in one box
- Exact measurements due to its excellent RF performance
- Demodulation and signal analysis in realtime
- Open instrument concept allowing hardware and software expansion
- Flexible with integrated spectrum analysis functionality and the capability to handle analog as well as digital standards, e.g. DVB-C (J.83/A/C), DVB-T/H, DTMB (GB20600-2006)
- Portable (with handle; only 9 kg in weight)



R&D and monitoring


R&S®DVM – the multi-purpose family for measurements on digital TV signals

Ideal for network operators as well as in research, development and production

- Monitoring: Detection of virtually all possible errors – take preventive measures before your customers complain
- Analysis: Extensive analysis features on RF / IP, transport stream and content / elementary stream level – analyze your signals to the deepest level for any incorrectness
- Transport stream generation: wide variety of predefined signals, custom creation of signals and support of third party recordings – work with the most appropriate signal
- Transport stream recording: trigger on error function - archive signals and document detected problems
- Video and audio decoding: support of MPEG-2, MPEG-4/H.264/AVC, AC 3, SDTV, HDTV - content display independent of video and audio format in use

For manufacturers of broadcast equipment


(such as TV sets, set-top boxes, mobile TV receivers)



Manufacturing

Quality safeguard for your manufacturing – R&S®SFE100 single-standard test transmitter


- RF signal generator, power amplifier and baseband generator in one box
- Exceptionally attractive price/performance ratio
- Single-standard models for all common TV and the most important sound-broadcasting standards
- Test scenarios and remote-control programs that were created during development with the R&S®SFU can be immediately transferred to the R&S®SFE100 in manufacturing to minimize error sources, costs and time expenditure



Service, quality assurance, manufacturing

The modular tester for a variety of applications – R&S®SFE medium-class broadcast tester


- Its modular design makes it ideal for lab applications, service and quality assurance
- RF modulator, universal realtime coder and baseband signal source in one box
- Up to three standards can be installed simultaneously
- Broadcast signals in the frequency range from 100 kHz to 2.5 GHz are generated in realtime
- Noise generator and BER tester allow even complex measurements



R&D

High end – the R&S®SFU broadcast test system

- On a single platform:
 - Test transmitter
 - Signal generator/recorder for MPEG-2 transport streams
 - Fading simulator with up to 40 paths
 - Broadband digital AWGN noise source
 - ARB generator
- Highly precise standard signals
- Simultaneous generation of useful and interference signal
- Signal modifications up to the system limit
- Upgradable for future standards
- Possibility to insert defined errors



TV DISPLAYS: MANUFACTURING; R&D

The new R&S®DVSG digital video signal generator offers you a maximum of test signal diversity and interfaces for developing and producing TV displays:

- HDMI / DVI; SDI / HD-SDI; RGB/YCbCr; S video; CCVS; SCART; D4; S/PDIF optical; RCA audio L/R
- Replay of customer recordings (based on MPEG-2 TS)
- Recreation of real-world scenarios
- Interface for custom “test cards” (uncompressed natural or synthetic pictures)
- Integrated MPEG-2 TS player and recorder
- Best price in its class