

Special features

- Automatic ATV/DTV switchover without hardware replacement
- VHF, UHF, and L band
- Common exciter platform for DAB and TV
- Suitable for use in single-frequency and multifrequency networks
- Hierarchical modulation
- Seamless input switching
- All ASI modes and SMPT-310M
- Integrated linear and nonlinear precorrector
- Wide-range power supply

Options

- GPS receiver
- DVB-T / DVB-H receiver
- DVB-S/-S2 receiver (in preparation)
- Parallel I/O (internal and external)
- MPEG decoder (in preparation)
- Air filter
- SNMP

R&S®SX801 exciter

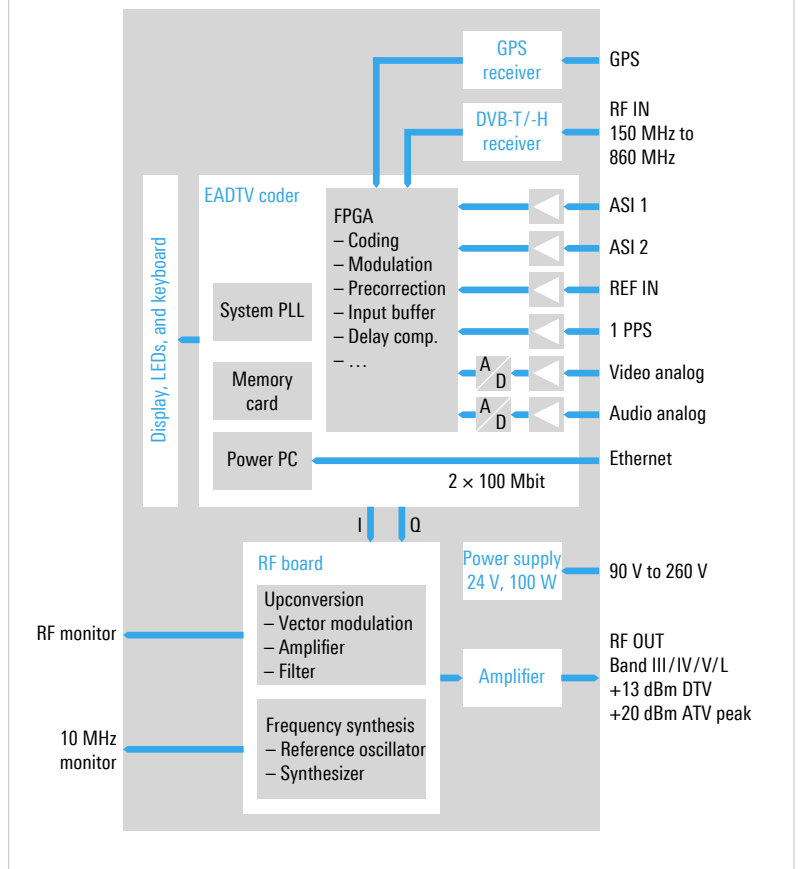


FIG 2 The R&S®SX801 exciter offers the full range of signal processing plus room for options.

The new exciter is operated using pushbuttons and the front-panel display or with a commercial web browser and Java™ technology. The user interface has the same design as the family “8000” of transmitters. As an option, the exciter can be remotely monitored and controlled via SNMP or floating contacts.

Summary

Since the R&S®SX801 is compatible with the R&S®SX800 and includes a large number of new features, it can be integrated into existing transmitter families and provides an excellent basis for expanding the Rohde&Schwarz transmitter family.

Wolfgang Marchl

Condensed data of the R&S®SX801

ATV standards	B/G, D/K, M/N, I
Color transmission	PAL, SECAM, NTSC
Sound transmission	IRT dual sound, FM single sound, FM single sound with NICAM 28 (optional), BTSC
Standards	DVB-T / DVB-H, ATSC, MediaFLO™, DTMB, ISDB-T _B , DAB, T-DMB
Frequency range	Bands III, IV, V, L
Output power	ATV: +20 dBm peak envelope power DTV: +13 dBm, RMS