



**Agilent Technologies**

Agilent DVB-T/H PC based Signal Analysis for R&D,  
Production Test, Transmitter Monitoring, Field Test

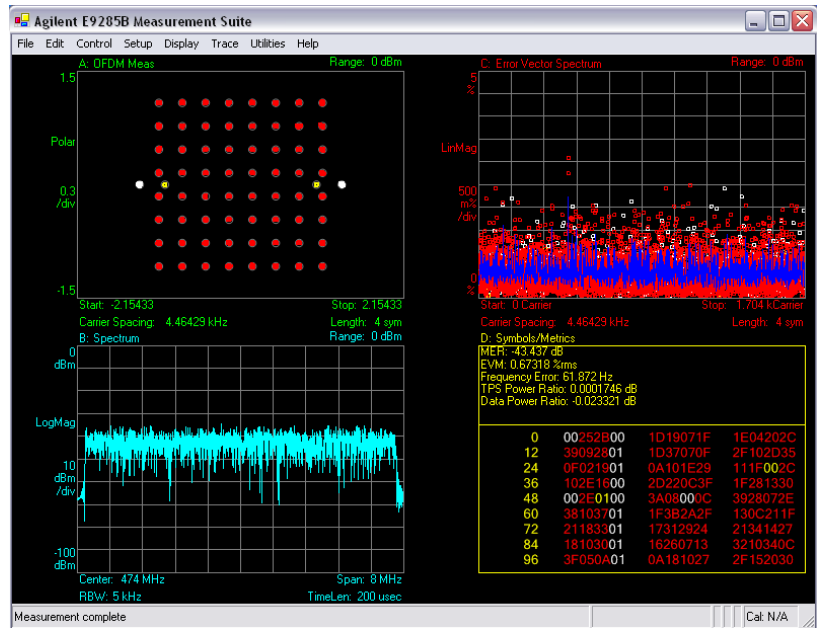
## DVB-T/H Signal Analysis Solutions

### Product Overview

Agilent now offers a new combined DVB-T and H solution.

The PC based solution is based on an easy-to-use user interface, which enables you to quickly and easily assess the modulation quality of DVB-T and/or DVB-H transmitters.

The solution offers the flexibility to analyze either 2K, 4K or 8K carriers and the carrier frequency and bandwidth can be set from the software user interface.



**E9285B-H01** PC-based modulation analysis software offers COFDM modulation analysis for all of the carrier types called out in the DVB-T and DVB-H standards: 2K, 4K and 8K. Displays include symbol IQ constellation diagrams, symbol phase and magnitude spectrum diagrams and EVM metrics.

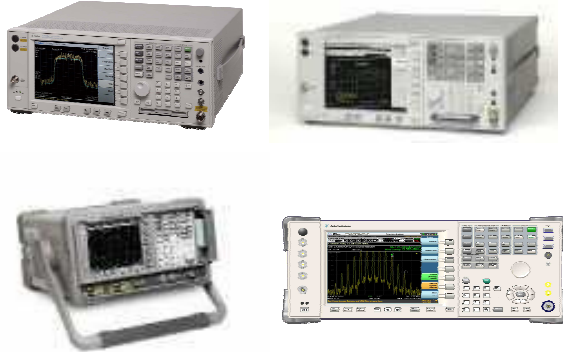
E9285B-H01 has been enhanced from the E9285A to allow analysis of both DVB-T and DVB-H signals.

This option is available through Agilent Special Handling.

Readouts/displays: -

- Symbol IQ Constellation
- Symbol Magnitude Spectrum (IQ Meas in Log Mag or Lin Mag format)
- Symbol Phase Spectrum
- EVM Complex Composite
- EVM Magnitude Spectrum
- Channel/Equalizer Magnitude Spectrum
- Channel/Equalizer Phase Spectrum
- Channel/Equalizer Group Delay Spectrum
- Error Statistics Summary Table
- CCDF
- Channel Spectrum

Depending on your performance requirements you can choose either an **ESA-E** series spectrum analyzer, a **PSA** series spectrum analyzer, an **E4406A** Vector Signal Analyzer or an X-series **MXA/EXA** as the front end capture for your signal.



There are options available for each of PSA, ESA-E, E4406A, MXA and EXA, which enable this link and should be ordered to complete the solution.

In addition, the E9285B analysis software can be used in conjunction with the Agilent 89601A Vector Signal Analyzer software to measure simulated devices and signals created using the Agilent EEsof EDS software.

See <http://eesof.tm.agilent.com> for more details.

### Minimum Signal Analyzer Configurations

1. ESA-E Configuration
  - E9285B-H01
  - ESA-E series spectrum analyzer E4402B, E4404B, E4405B or E4407B with express option COM, or options B7D/B7E/1D5/A4H/231 (firmware rev A.08.04 or later).
2. PSA Configuration
  - E9285B-H01
  - PSA Series spectrum analyser E4440A, E4443A, E4445A, E4446A or E4448A with option B7J
3. E4406A Configuration
  - E9285B-H01
  - E4406A (firmware A.05.01 or later)

4. MXA Configuration
  - E9285B-H01
  - MXA series spectrum analyzer N9020A with option 503, 508, 513 or 526
  - N9020A(firmware A.01.14 or later)
5. EXA Configuration
  - E9285B-H01
  - EXA series spectrum analyzer N9010A with option 503, 508, 513 or 526
  - N9020A(firmware A.01.14 or later)

### Minimum Recommended PC Specification

- CPU: 600MHz Pentium or AMD K6 (>2GHz recommended)
- RAM: 512MB (1GB recommended)
- Video RAM: 4MB (16MB recommended)
- Hard Disk: At least 400MB available
- Operating System: Microsoft Windows XP (with .NET Framework 1.1 or later)
- Additional: CDROM drive, Instrument connection (GPIB,GPIB-USB, LAN)

**Note:** If you already own a copy of 89601A and have this installed on the same PC, the E9285B-H01 will also work with this. 89601A version 5.30 (or later) is required for the E9285B to work correctly. See [www.agilent.com/find/89601A](http://www.agilent.com/find/89601A) for upgrade details if necessary.

If you require any further information please contact your local Agilent Sales Office or email [sa-support\\_pgu@agilent.com](mailto:sa-support_pgu@agilent.com)

For more information on the signal analyzers, please visit:

[www.agilent.com/find/esa](http://www.agilent.com/find/esa)  
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