



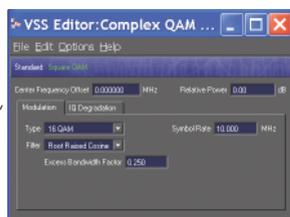
Select bandwidth, dynamic range, memory depths and options to match your most demanding signal and environment generation applications.

Model Number	Bandwidth	Spurious Free Dynamic Range	Max Generate Time at Full Bandwidth	Applications
CS25020	60 MHz	70 dB typ	10 seconds	High data rate PSK/QAM modulator test, satellite transponder simulation, link loading, agile radio test, radar test, environment simulation, UHF/VHF radio test, cellular test, DVB/HDTV test, WLAN test, link simulation
CS25025	105 MHz	60 dB typ	10 seconds	
CS25040	160 MHz	45 dB typ	10 seconds	
CS25255	255 MHz	70 dB typ	10 seconds	
CS25080	280 MHz	45 dB typ	10 seconds	
CS25082	280 MHz	55 dB typ	10 seconds	
CS25130	500 MHz	45 dB typ	10 seconds	
CS25132	500 MHz	55 dB typ	10 seconds	

trol and output power control. Aeroflex's up converters use real (non-I/Q) conversion architectures, generating high dynamic range waveforms without the carrier leakage and signal image problems associated with I/Q modulators found in traditional signal sources.

#### Vector Signal Simulator Software

Advanced signal generation software for creating communication signals and broadband environments including realistic impairments and additive recorded signals. Intuitive graphical interface creates signals in single and multiple carrier formats with full control of all RF parameters and underlying data. Mix different signals together and add realistic impairments. Play back actual recorded RF radio signals captured on CS35000-series Broadband Signal Analyzers for Golden Radio functionality.



#### VSS Signals Include

QAM to 1024, PSK to 256, GSM, IS-136, EDGE, IS-95, WCDMA, CDMA2000 FSK, MSK  
Pulsed and frequency hopped waveforms 802.11a, 802.11b, 802.11g  
CW and tone combs  
Mixed signal mode

#### VSS Software Impairments Include

Banded thermal noise  
Phase noise  
CW interference  
Passband phase distortion  
Passband amplitude distortion  
Multiple signal channel loading  
Multipath



#### All Models Include

An embedded Pentium controller with 512 MB RAM running Windows 2000

High speed 36 GB HD, 100baseT Ethernet adapter, keyboard, mouse and monitor connection

Powerful Vector Signal Simulator (VSS) signal and environment generation software

Vector Signal Player (VSP) control software

Precision synthesized time base

#### Broadband Signal and Environment Generator Options

- |                               |  |
|-------------------------------|--|
| Upconverter Options           | Tunable or fixed<br>Up to 40 GHz in bands  |
| Memory Sequencing Option      | High speed address sequencing  |
| Output Options                | Precision attenuators<br>High speed attenuators<br>Reconstruction filters<br>High output power |
| Sample Clock Option           | Low phase noise  |
| Disk Storage Options          | Fixed and removable drives<br>73 & 146 GB HD, CD-RW, DVD-RW                                    |
| Multiple Channel Options      | 1 to 8 coherent or independent<br>I/Q baseband   |
| Multiple Signal Options       | RF, baseband, digital, I/Q   |
| Controller Option             | UltraSPARC/Solaris   |
| Remote Control Option         | 10/100baseT Ethernet   |
| Peripheral Options            | Keyboard and mouse<br>Flat panel and CRT monitors  |
| Real World Data Input Options | Wideband analog<br>High speed digital<br>(LVDS, DECL, PECL, TTL)                               |

**CHINA**  
Tel: [+86] (21) 6282 8001  
Fax: [+86] (21) 6282 8002

**EUROPE**  
Tel: [+44] (0) 1438 742200  
Fax: [+44] (0) 1438 727601

**FRANCE**  
Tel: [+33] 1 60 79 96 00  
Fax: [+33] 1 60 77 69 22

**HONG KONG**  
Tel: [+852] 2832 7988  
Fax: [+852] 2834 5364

**SCANDINAVIA**  
Tel: [+45] 9614 0045  
Fax: [+45] 9614 0047

**SPAIN**  
Tel: [+34] (91) 640 11 34  
Fax: [+34] (91) 640 06 40

**UNITED KINGDOM**  
Tel: [+44] (0) 1438 742200  
Toll Free: [+44] (0800) 282 388 (UK only)  
Fax: [+44] (0) 1438 727601

**USA**  
Tel: [+1] (316) 522 4981  
Toll Free: [+1] (800) 835 2352 (US only)  
Fax: [+1] (316) 522 1360



As we are always seeking to improve our products, the information in this document gives only a general indication of the product capacity, performance and suitability, none of which shall form part of any contract. We reserve the right to make design changes without notice. All trademarks are acknowledged. Parent company Aeroflex, Inc. ©Aeroflex 2003.

www.aeroflex.com  
info-test@aeroflex.com



Our passion for performance is defined by three attributes represented by these three icons: solution-minded, performance-driven and customer-focused.