

Comparison E5061B-1xx/2xx vs. E5061A/62A As of January 2011

	E5061B-1xx/2xx RF NA options	E5061A/62A
<i>Measurement capabilities</i>		
Test frequency	100 kHz to 1.5 / 3 GHz	300 kHz to 1.5 / 3 GHz
IFBW	1 Hz to 300 kHz	10 Hz to 30 kHz
Time domain gating function	Yes (opt. 010)	No
Fault location and SRL analysis	Yes (opt. 010)	Yes (opt. 100)
Source power	-45 to +10 dBm (>300 kHz) -45 to +5 dBm (100 to 300 kHz)	-5 to +10 dBm (standard) -45 to +10 dBm (extended power)
Power sweep range	55 dB (>300 kHz) 50 dB (100 to 300 kHz)	15 dB (switchable)
Calibration capabilities	Resp, Enh-resp, 1- and 2-port, Adapter removal, Partial cal overwrite, Auto port extension	Resp, Enh-resp, 1- and 2-port
Power / receiver cal	No	No
Measurement choice	S11 to S22, Absolute	S11 to S22
High stability oven	Yes (opt. 1E5)	No
<i>Enhanced usability</i>		
Equation editor	Yes	No
Context sensitive Help	Yes	No
Touch screen	Standard	Optional (opt. 016)
Display resolution	XGA (1024 x 768)	VGA (640 x 480)
OS	Windows XP embedded	Windows 2000 embedded
Footprint	254 mm	347 mm
Multipoint test set support	No	Yes (87075C/87050E)

Advantages in red

Comparison between E5061B RF options and LF-RF option

As of January 2011

	RF NA options (E5061B-115 to 237)	LF-RF NA option (E5061B-3L5)
Test freq	100 kHz to 1.5 GHz (opt.115/215/117/217) 100 kHz to 3 GHz (opt.135/235/137/237)	5 Hz to 3 GHz
Source level	-45 to +10 dBm (at 300 kHz to 1.5/3 GHz) -45 to +5 dBm (at 100 kHz to 300 kHz)	-45 to +10 dBm (at 5 Hz to 3 GHz)
Test port	Transmission/Reflection (opt.1x5/1x7), or S-parameter test port (opt.2x5/2x7)	S-parameter test port (5 Hz to 3 GHz), plus Gain-phase test port (5 Hz to 30 MHz)
75 Ω test port	Yes (opt.1x7/2x7)	No
1 MΩ input	No	Yes (Gain-phase test port, 1 M Ω //30 pF)
Probe power	No	Yes
DC bias source	No	Yes (0 to ± 40 Vdc, max.100mAdc)
Impedance analysis	No	Yes (opt.005)
Freq stability (CW accy)	± 7 ppm ± 1 mHz (std.), ± 1 ppm ± 1 mHz (opt.1E5)	
Time domain/Fault location	Yes (opt.010, with Time gating and Structural Return Loss analysis)	
# of channels / traces	4-channel / 4-trace	
Number of points	1601 points	
IFBW	1 Hz to 300 kHz, plus IFBW Auto mode (opt.3L5 only)	
Calibration capabilities	Response, 1-port full, 2-port full, Enhanced-resp., Adapter removal, Auto port extension ECal (at >300 kHz with RF 2-port ECal modules) Impedance calibration and fixture compensation (opt.3L5 + 005 only)	
Data processing	Equation editor, VBA, Limit test , Z-conversion	