

스펙

ZVA 벡터 네트워크 분석기



	R&S®ZVA8	R&S®ZVA24	R&S®ZVA40
Number of test ports	2 or 4		
Frequency range	300 kHz to 8 GHz	10 MHz to 24 GHz	10 MHz to 40 GHz
Number of test points per trace	1 to 60001		
Measurement bandwidths	1 Hz to 1 MHz (with option: up to 30 MHz)		
Max. number of internal sources	2	4	4
Operating system	Windows XP Embedded		
<b>Dynamic range at 10 Hz measurement bandwidth:</b>			
Between test ports	typ. 140 dB	typ. 135 dB	typ. 140 dB
With direct receiver access	typ. > 145 dB	typ. > 145 dB	typ. > 150 dB
Power range	typ. 15 dBm	typ. 18 dB	typ. 18 dB
With direct receiver access	typ. > 60 dB	typ. > 58 dB	typ. > 58 dB
Measurement time per test point	< 3.5 µs (at 1 MHz measurement bandwidth)		
<b>Data transfer time (for 201 measurements points):</b>			
via IEC/IEEE bus	< 2.9 ms		
via VX11 over 100 Mbit/s LAN	< 1.3 ms		
via RSIB over 100 Mbit/s LAN	< 0.7 ms		
Switching time between channels	< 1 ms (with no more than 2001 points)		
Switching time between instrument setups	< 10 ms (with no more than 2001 points)		

	R&S®ZVA50	R&S®ZVA67	R&S®ZVA110
Number of test ports	2 or 4		2 (base unit R&S®ZVA67: 4 ports)
Frequency range	10 MHz to 50 GHz	10 kHz to 67 GHz	10 MHz to 110 GHz
Number of test points per trace	1 to 60001		
Measurement bandwidths	1 Hz to 1 MHz (with option: up to 30 MHz)		
Max. number of internal sources	2	4	4 (base unit R&S®ZVA67)
Operating system	Windows XP Embedded		
<b>Dynamic range at 10 Hz measurement bandwidth:</b>			
Between test ports	typ. 140 dB	typ. 140 dB	typ. 130 dB
With direct receiver access	typ. > 150 dB	typ. > 145 dB	N/A
Output power at test port	typ. 18 dB	typ. 18 dB	typ. 8 dB
Power range	typ. > 58 dB	typ. > 58 dB	typ. > 38 dB
Measurement time per test point	< 3.5 µs (at 1 MHz measurement bandwidth)		
<b>Data transfer time (for 201 measurements points):</b>			
via IEC/IEEE bus	< 2.9 ms		
via VX11 over 100 Mbit/s LAN	< 1.3 ms		
via RSIB over 100 Mbit/s LAN	< 0.7 ms		
Switching time between channels	< 1 ms (with no more than 2001 points)		
Switching time between instrument setups	< 10 ms (with no more than 2001 points)		