

TABLE 4 SUMMARY OF BANDWIDTH REQUIREMENTS FOR CHARACTERIZATION OF SERIAL-DATA STANDARDS

Characterization of standards		Data rate (Gbps)	Required bandwidth (GHz)	Typical dynamic range at required bandwidth (dB)	Tektronix module
First-generation standards	InfiniBand, PCI Express	2.5	6.25	– 64	80E04
	SATA II	3	7.5	– 62	80E04
	XAUI	3.125	7.813	– 61	80E04
Second-generation standards	4-Gbps Fibre Channel	4.25	10.63	– 60	80E04
	SATA III	6	15	– 63	80E08
	Double-speed XAUI	6.25	15.63	– 63	80E08
Third-generation standards	8-Gbps Fibre Channel	8.5	21.25	– 58	80E08
	10G Base-R	10.31	25.78	– 54	80E10
	10G Base-R FEC	11.1	27.75	– 53	80E10