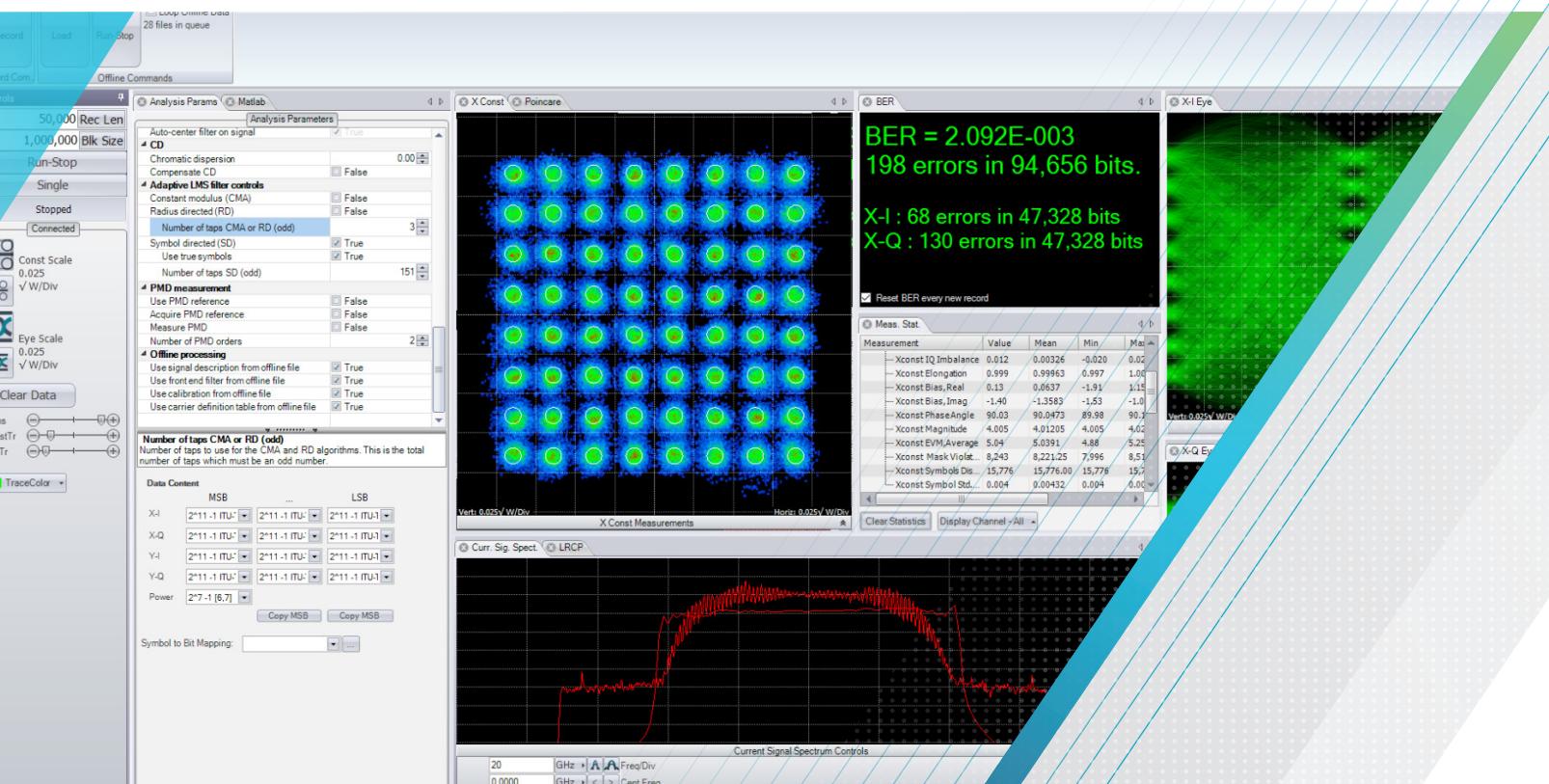


Coherent Optical Measurements

Common Transmitter and Receiver Impairments

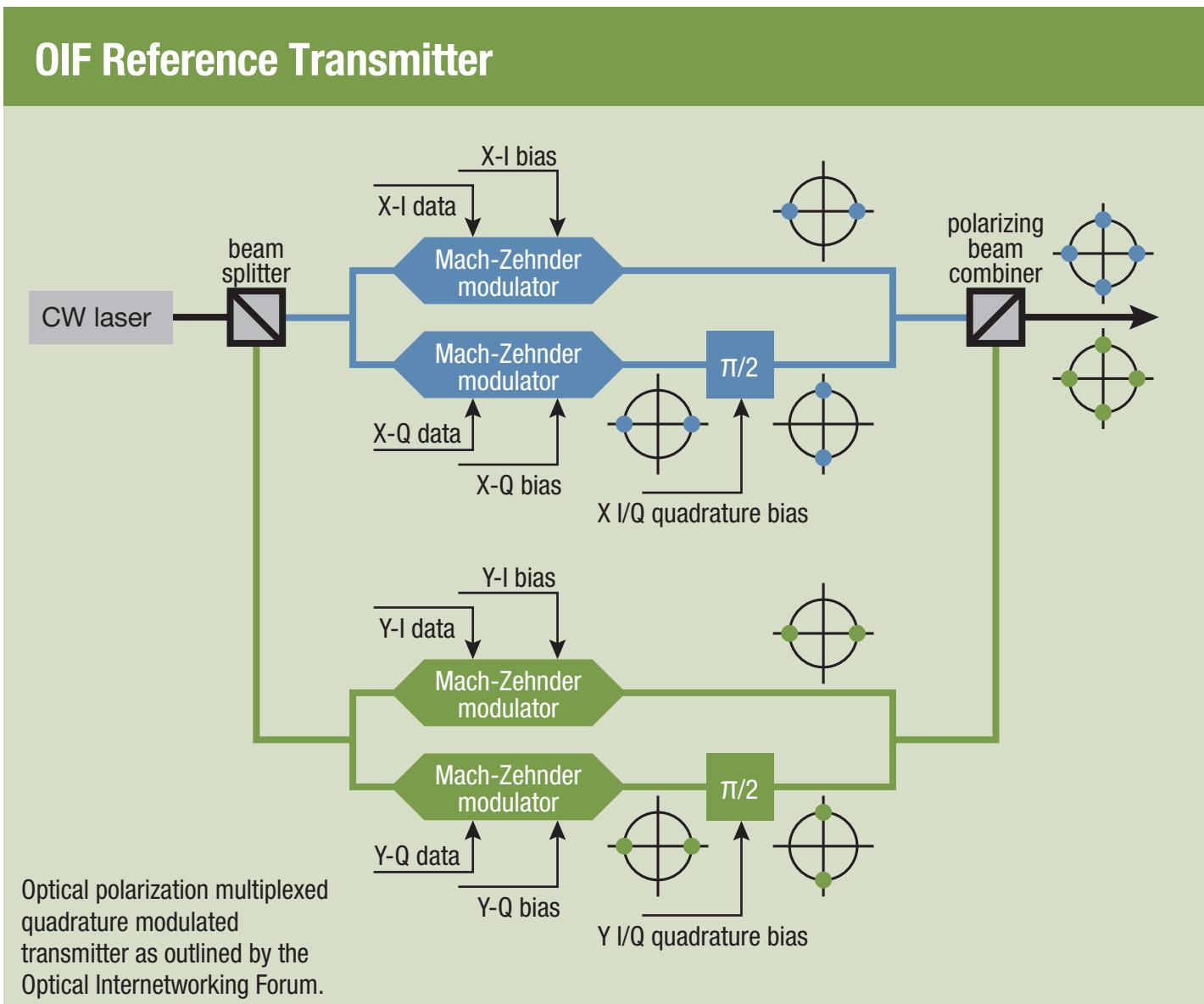
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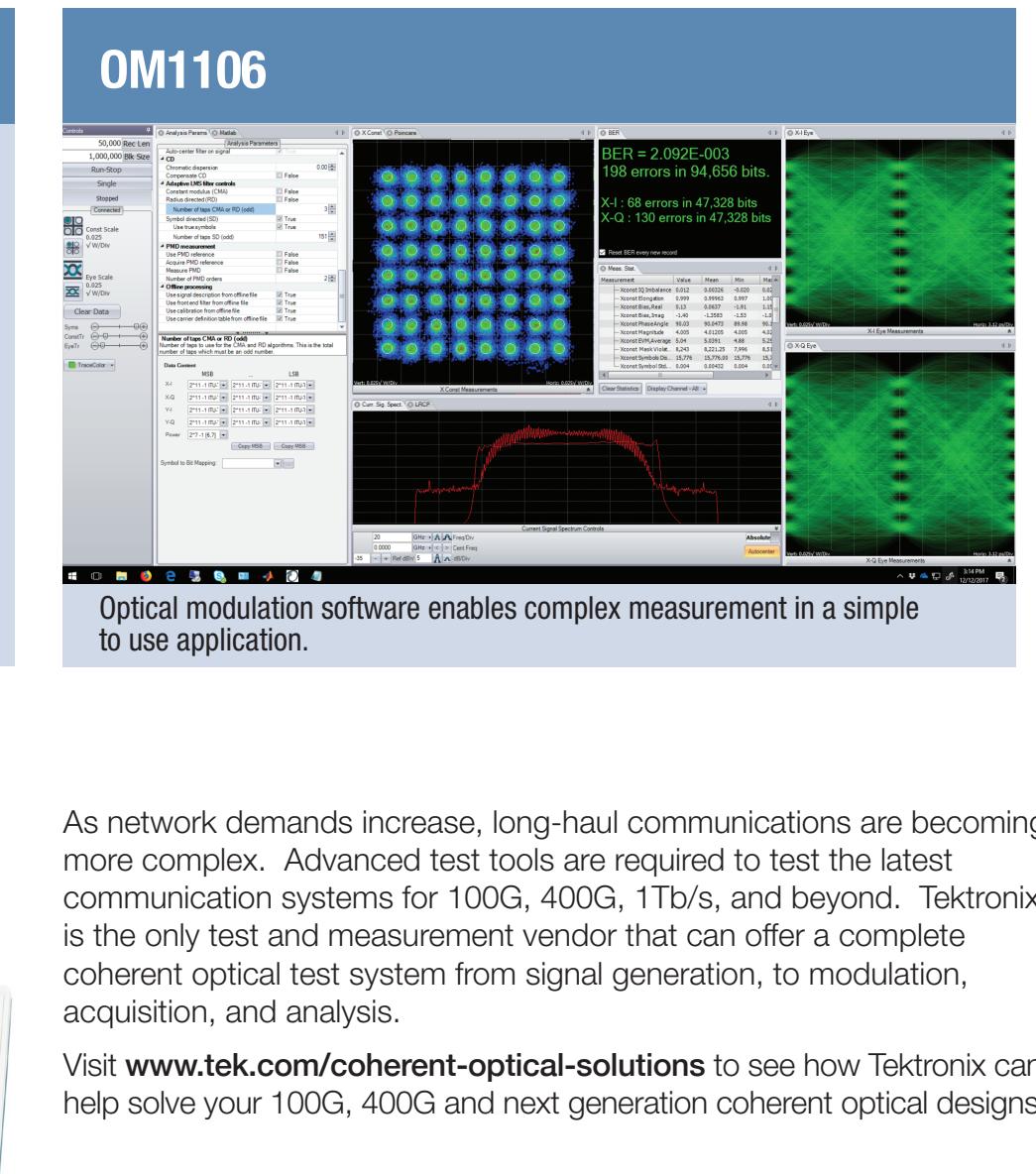
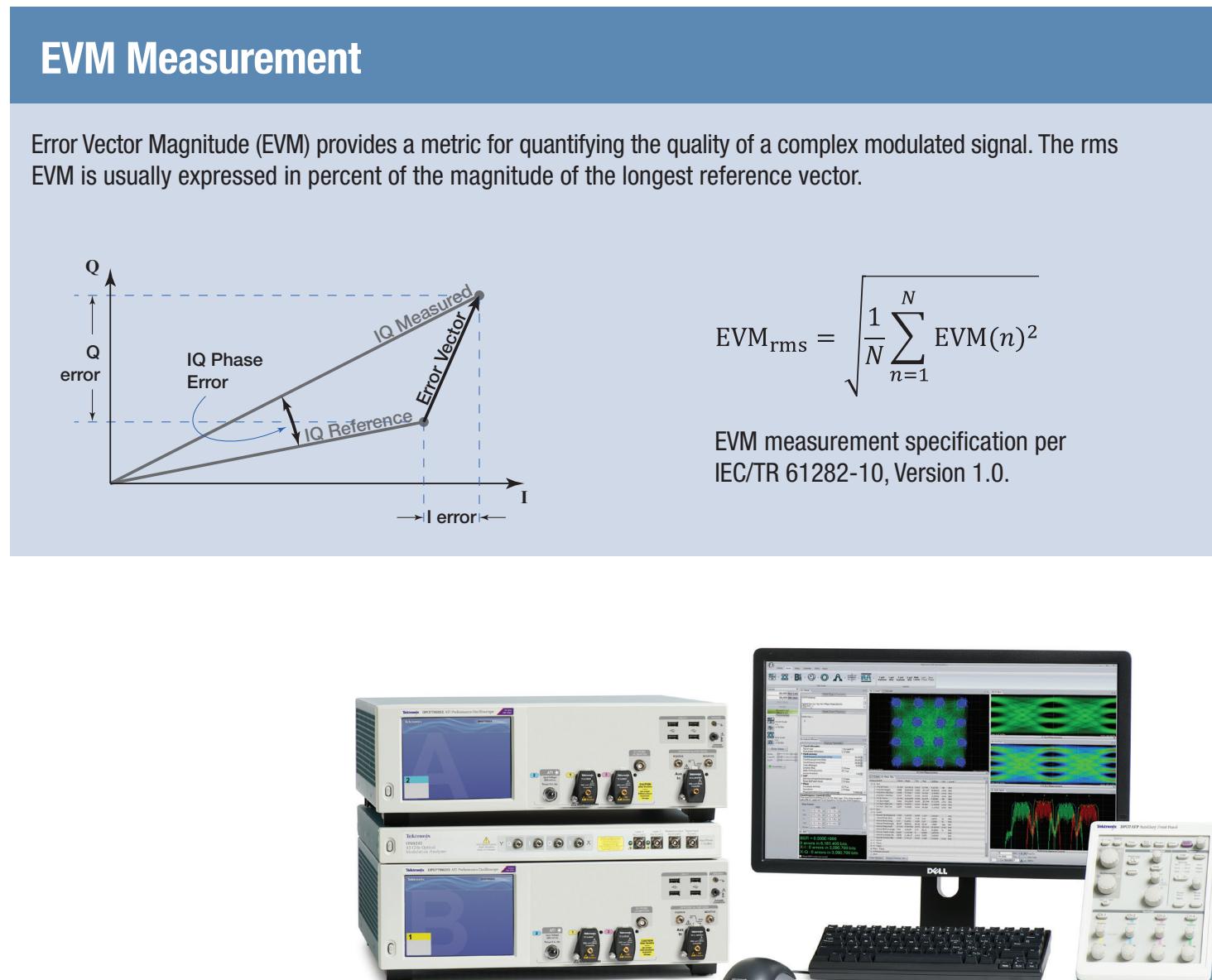
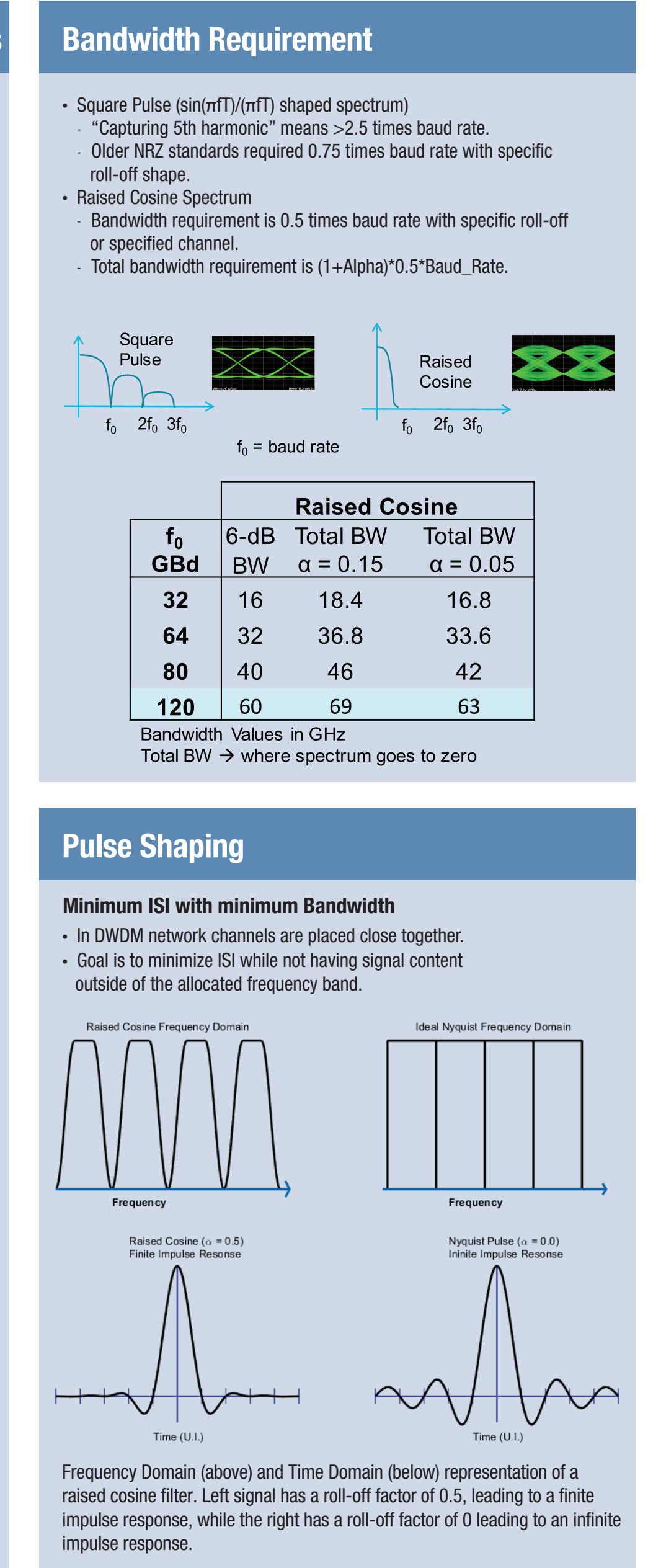
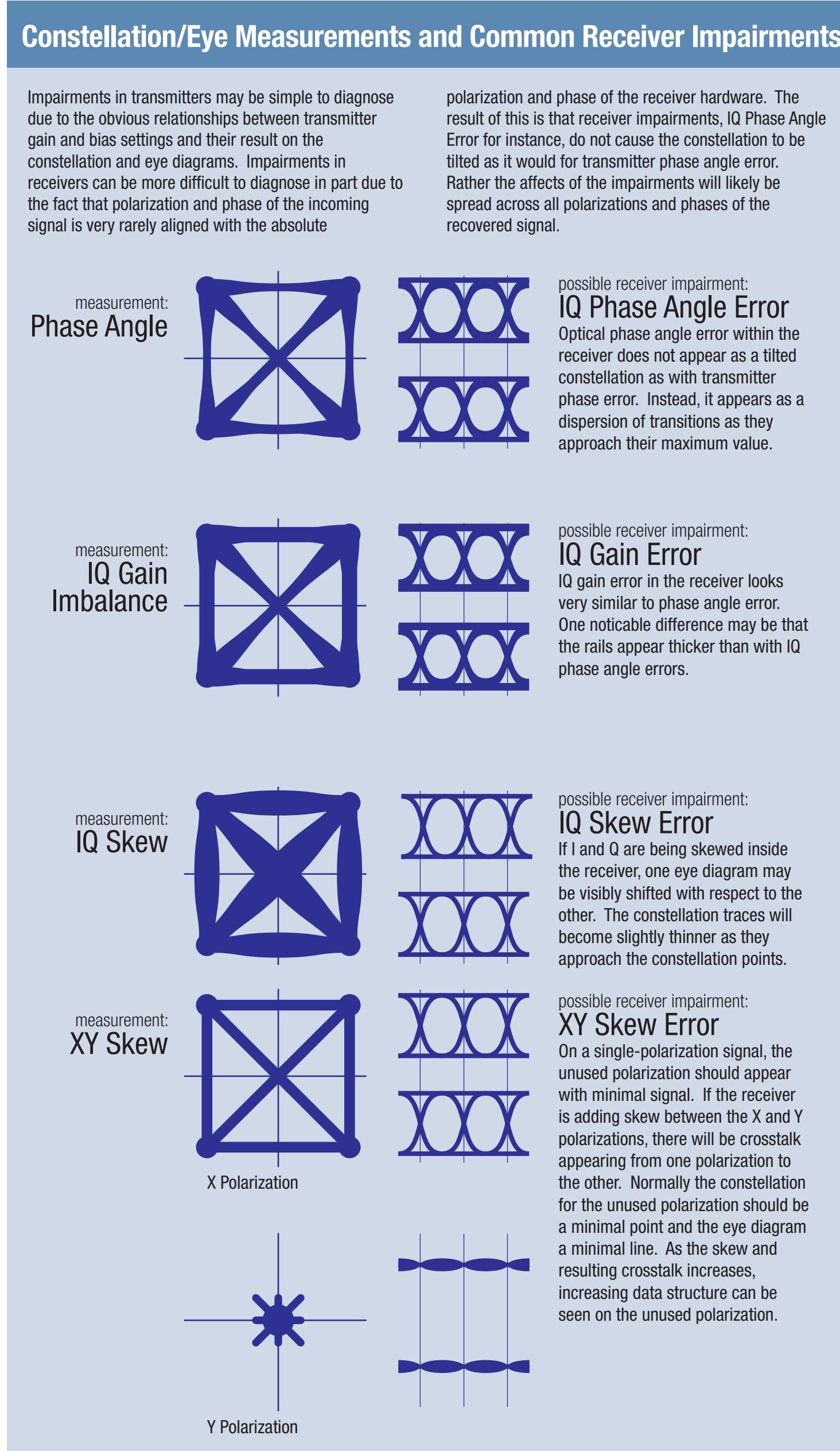
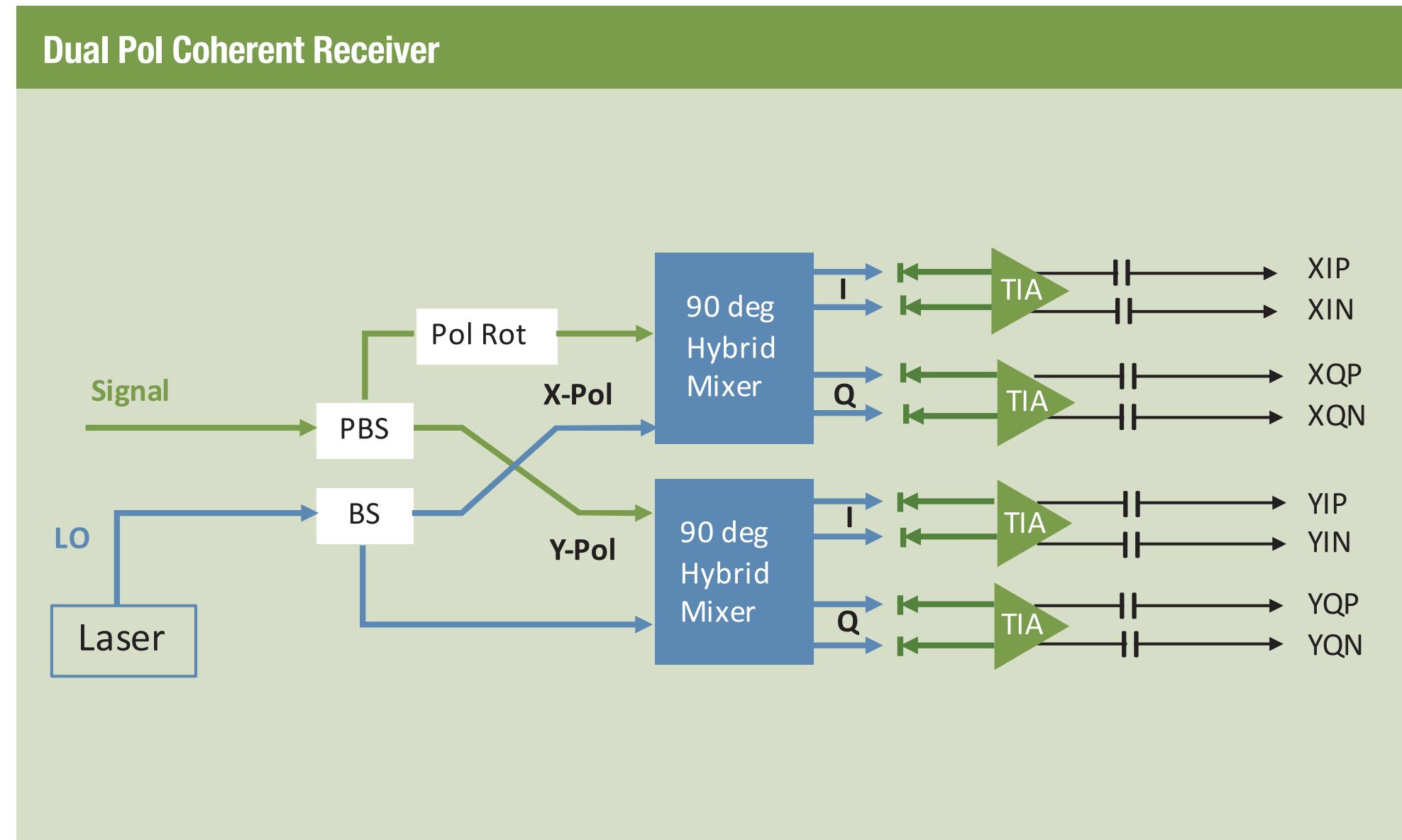
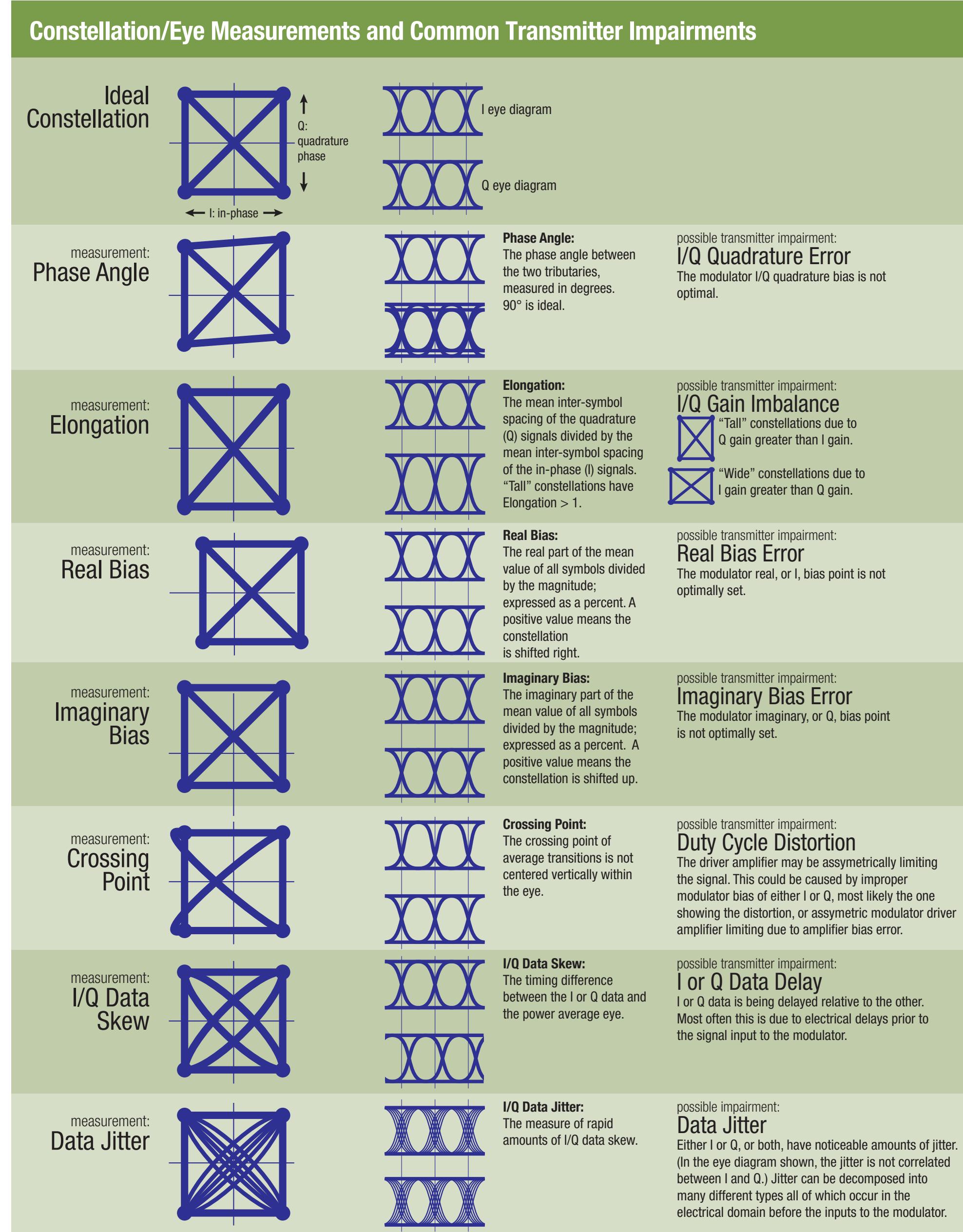
Coherent Optical Measurements

Common Transmitter and Receiver Impairments

Common Modulation Formats						
	28 Gbaud	32 Gbaud	40 Gbaud	46 Gbaud	56 Gbaud	64 Gbaud
NRZ/PAM2 1 bit per Baud (symbol)						
Single Polarization	28 Gb/s	32 Gb/s	40 Gb/s	46 Gb/s	56 Gb/s	64 Gb/s
BPSK 1 bit per Baud (symbol) per polarization						
Dual Polarization	56 Gb/s	64 Gb/s	80 Gb/s	92 Gb/s	112 Gb/s	128 Gb/s
PAM4 2 bits per Baud (symbol)						
Single Polarization	56 Gb/s	64 Gb/s	80 Gb/s	92 Gb/s	112 Gb/s	128 Gb/s
QPSK 2 bits per Baud (symbol) per polarization						
Single Polarization	56 Gb/s	64 Gb/s	80 Gb/s	92 Gb/s	112 Gb/s	128 Gb/s
Dual Polarization	112 Gb/s	128 Gb/s	160 Gb/s	184 Gb/s	224 Gb/s	256 Gb/s
8PSK 3 bits per Baud (symbol) per polarization						
Single Polarization	84 Gb/s	96 Gb/s	120 Gb/s	138 Gb/s	168 Gb/s	192 Gb/s
Dual Polarization	168 Gb/s	192 Gb/s	240 Gb/s	276 Gb/s	336 Gb/s	384 Gb/s
8QAM 3 bits per Baud (symbol) per polarization						
Single Polarization	84 Gb/s	96 Gb/s	120 Gb/s	138 Gb/s	168 Gb/s	192 Gb/s
Dual Polarization	168 Gb/s	192 Gb/s	240 Gb/s	276 Gb/s	336 Gb/s	384 Gb/s
16QAM 4 bits per Baud (symbol) per polarization						
Single Polarization	112 Gb/s	128 Gb/s	160 Gb/s	184 Gb/s	224 Gb/s	256 Gb/s
Dual Polarization	224 Gb/s	256 Gb/s	320 Gb/s	368 Gb/s	448 Gb/s	512 Gb/s
32QAM 5 bits per Baud (symbol) per polarization						
Single Polarization	140 Gb/s	160 Gb/s	200 Gb/s	230 Gb/s	280 Gb/s	320 Gb/s
Dual Polarization	280 Gb/s	320 Gb/s	400 Gb/s	460 Gb/s	560 Gb/s	640 Gb/s
64QAM 6 bits per Baud (symbol) per polarization						
Single Polarization	168 Gb/s	192 Gb/s	240 Gb/s	276 Gb/s	336 Gb/s	384 Gb/s
Dual Polarization	336 Gb/s	384 Gb/s	480 Gb/s	552 Gb/s	672 Gb/s	768 Gb/s



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