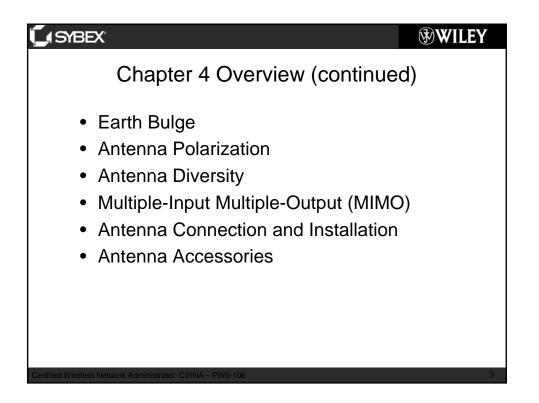
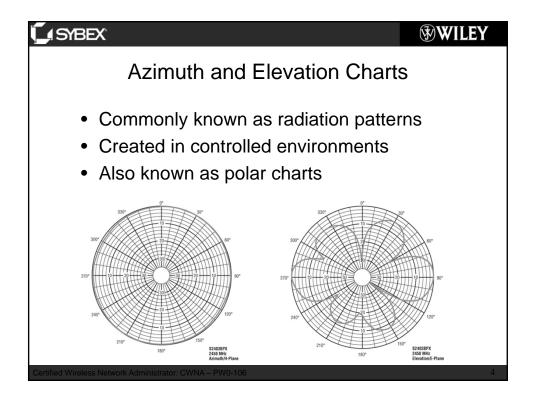
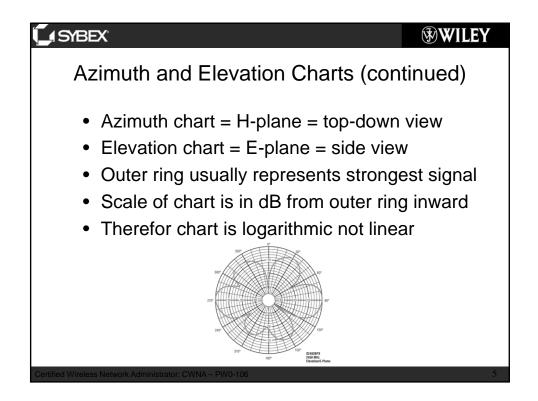
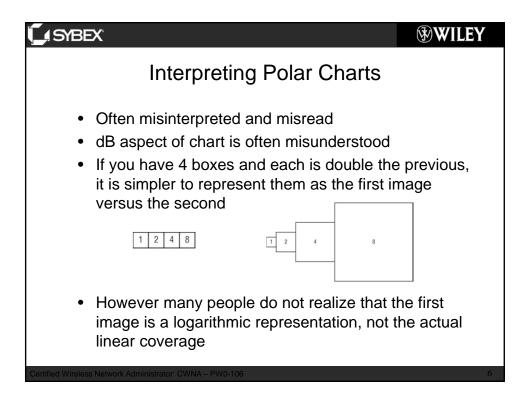


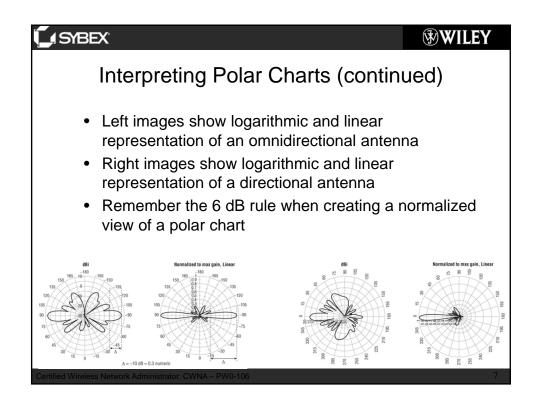
SYBEX"	WILEY
Chapter 4 Overview	
Active and Passive Gain	
 Azimuth and Elevation Charts 	
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Beamwidth	
Antenna Types	
 Visual Line of Sight 	
RF Line of Sight	
Fresnel Zone	
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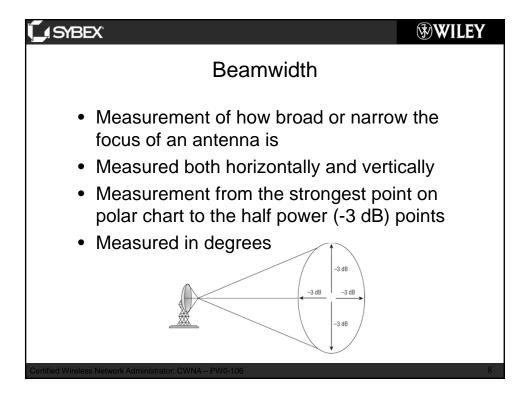


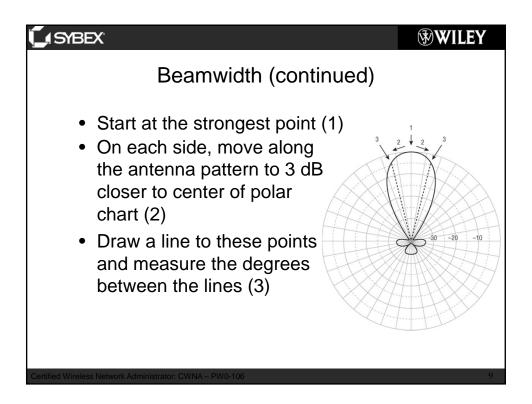




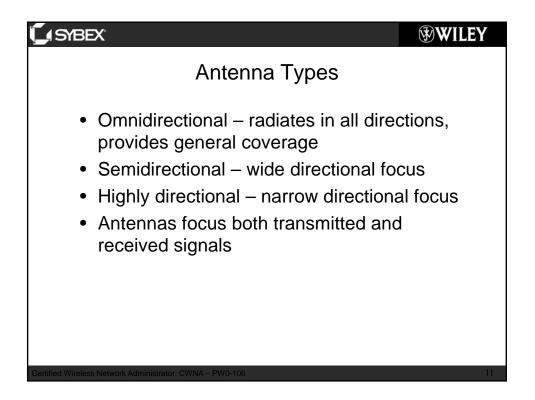


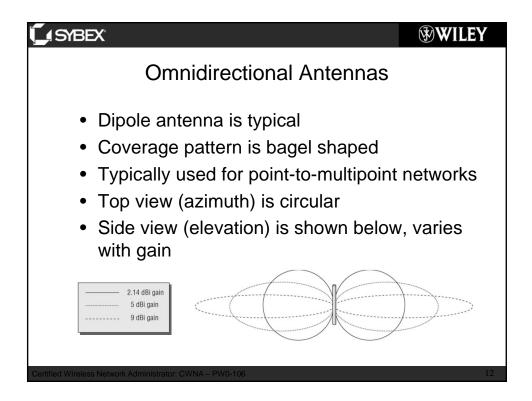


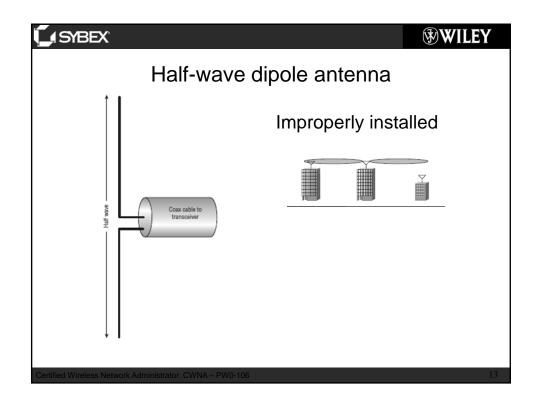


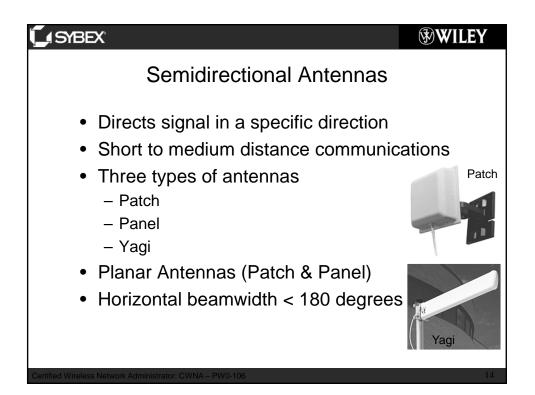


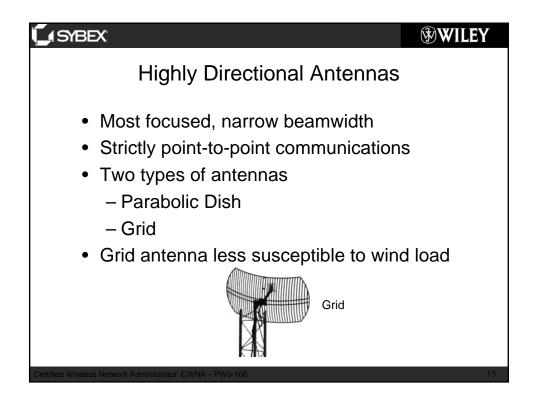
Antenna types	Horizontal beamwidth (in degrees)	Vertical beamwidth (in degrees)
Omnidirectional	360	7 to 80
Patch/panel	30 to 180	6 to 90
Yagi	30 to 78	14 to 64
Sector	60 to 180	7 to 17
Parabolic dish	4 to 25	4 to 21

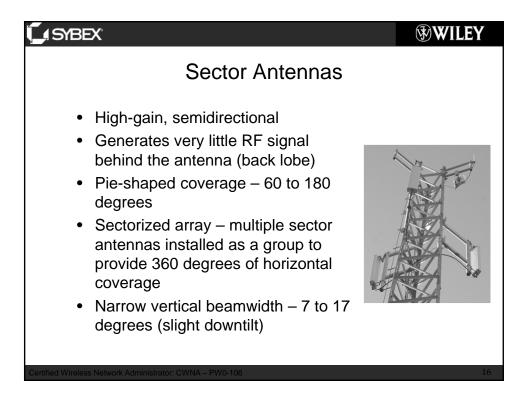


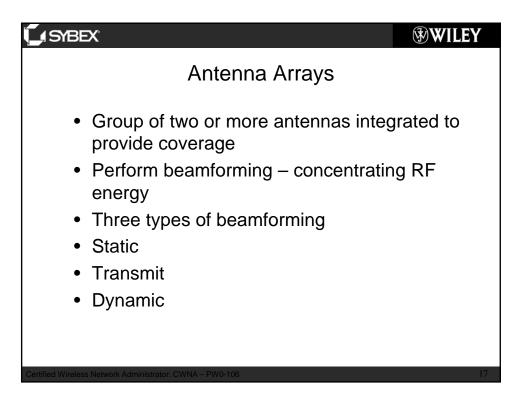


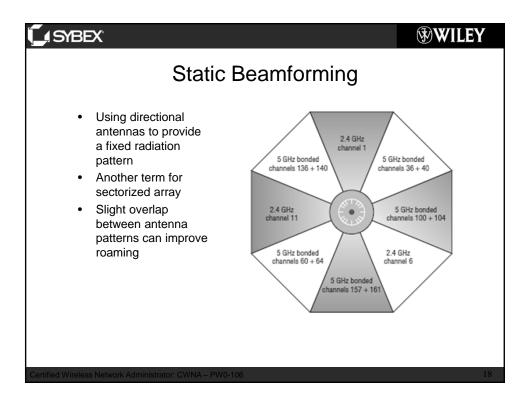


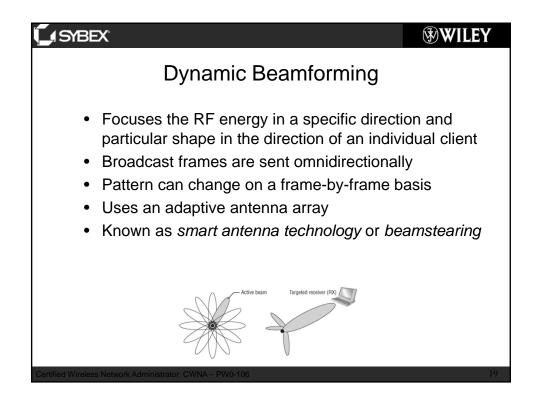


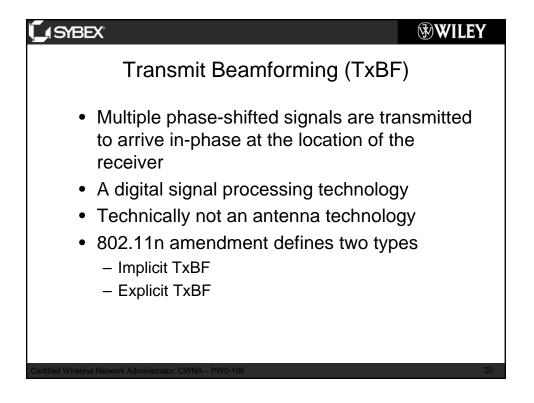


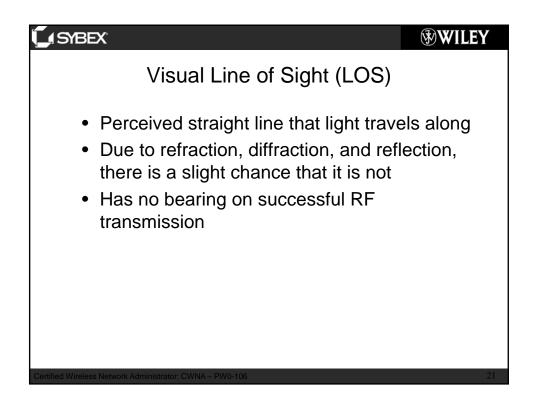


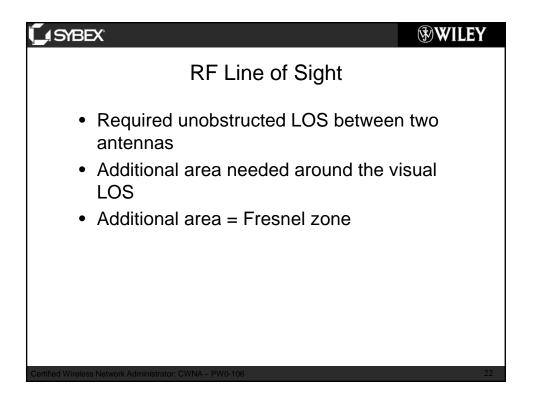


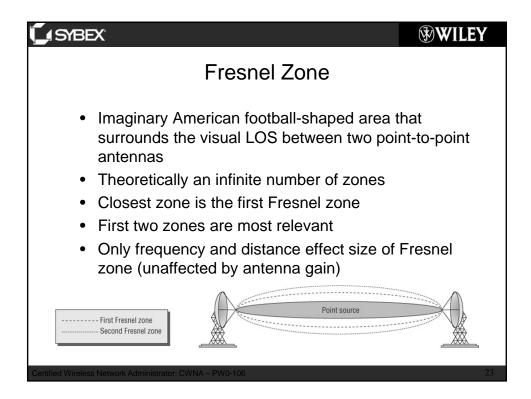


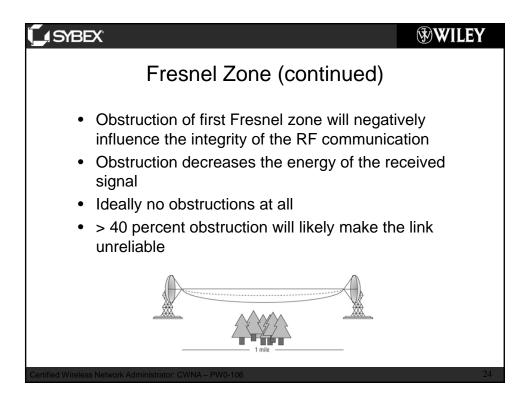


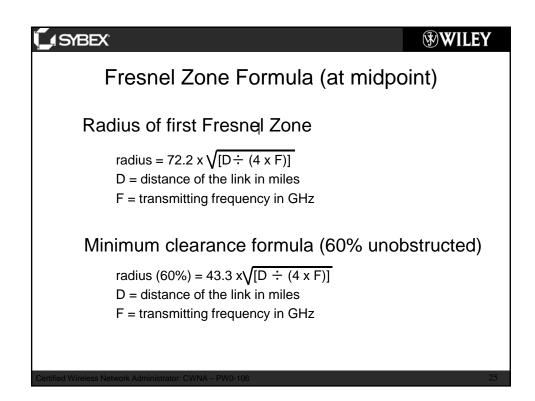


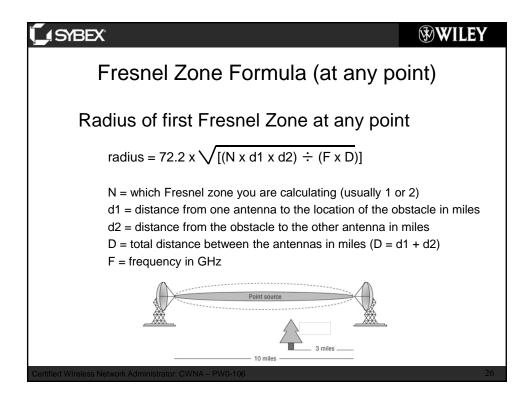


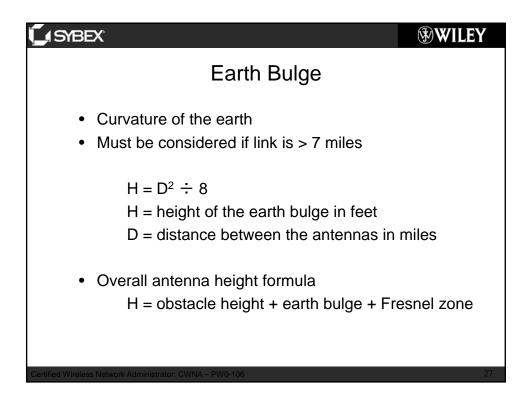


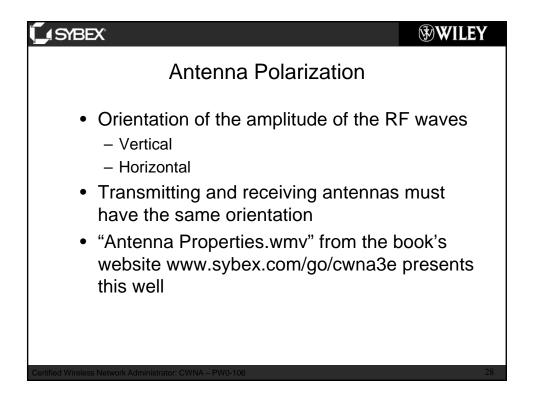


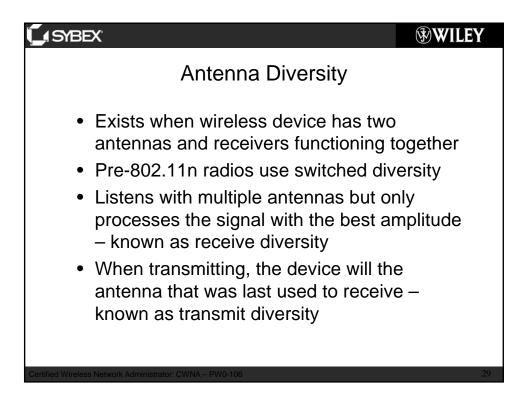


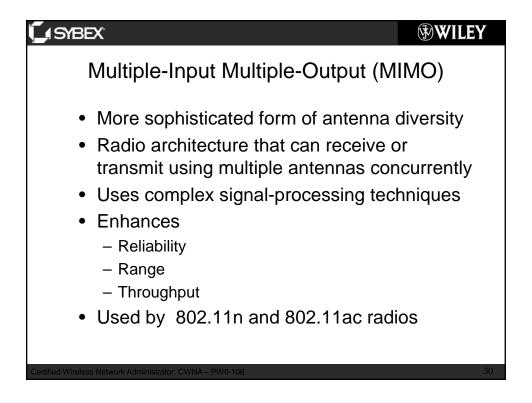


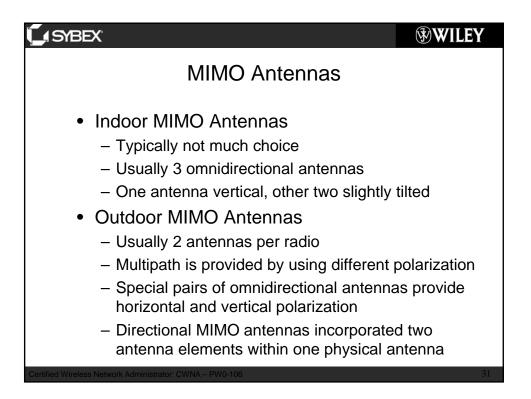




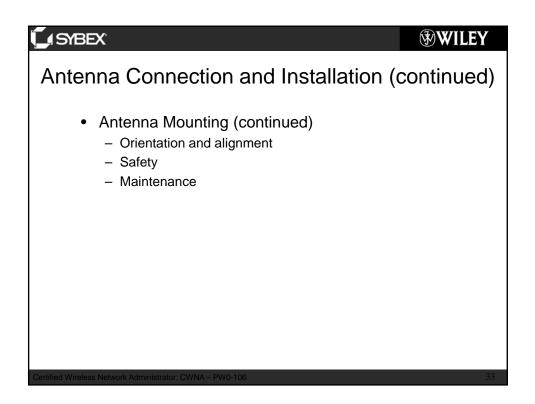




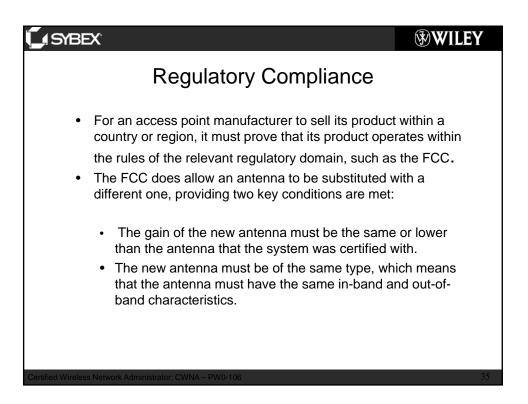




SYBEX SYBEX	WILEY
Antenna Connection and Installa	ition
 Voltage Standing Wave Ratio (VSWR) 	
Signal Loss	
Antenna Mounting	
 Placement 	
– Mounting	
 Indoor mounting considerations 	
 Outdoor mounting considerations 	
 Appropriate use and environment 	
 Ingress Protection Rating (IP Code) 	
 National Electrical Manufacturers Association (NE Enclosure Rating 	EMA)
 "Appareils destinés à être utilisés en ATmosphère Explosives" (ATEX) Directives 	es
 National Electrical Code (NEC) hazardous locatio 	ns
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Antenna Accessories	
 Cables Connectors Splitters Amplifiers Fixed-gain Fixed-output Attenuators Lightning arrestors Grounding rods and wires 	
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