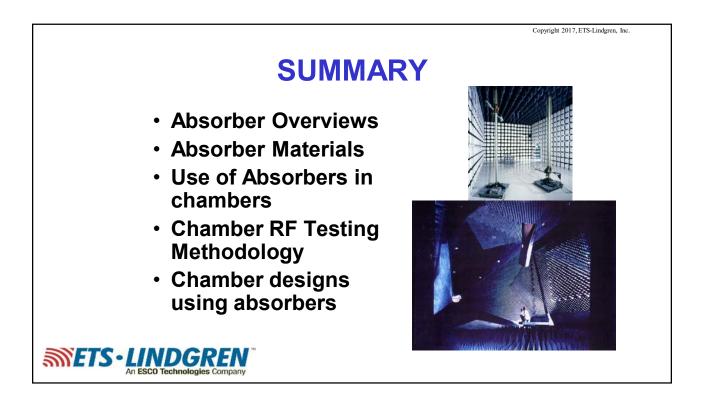
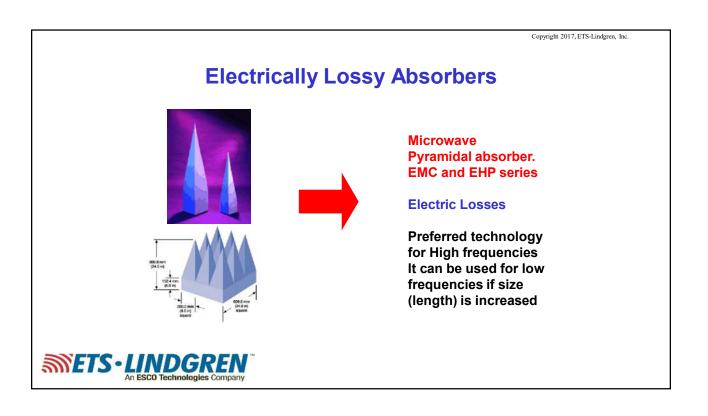
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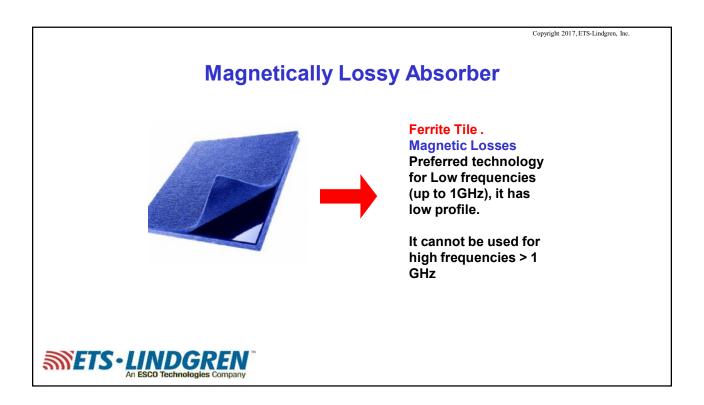
Absorbers and Anechoic Chamber Measurements

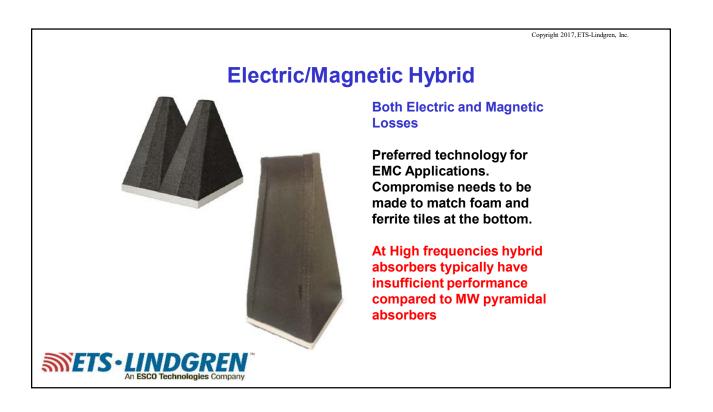
Zhong Chen Director, RF Engineering ETS-Lindgren 1301 Arrow Point Dr. Cedar Park, TX, 78613 Zhong.chen@ets-lindgren.com

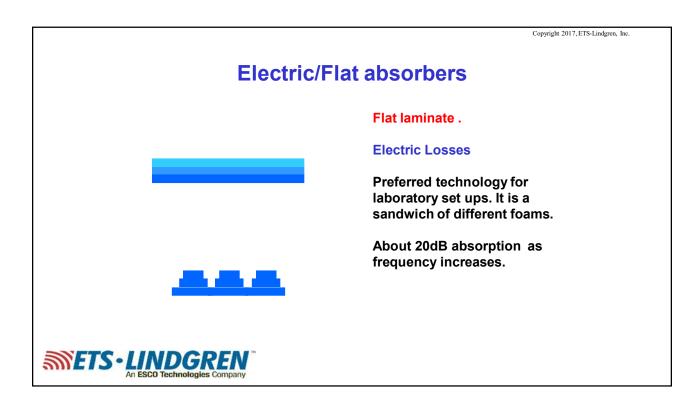


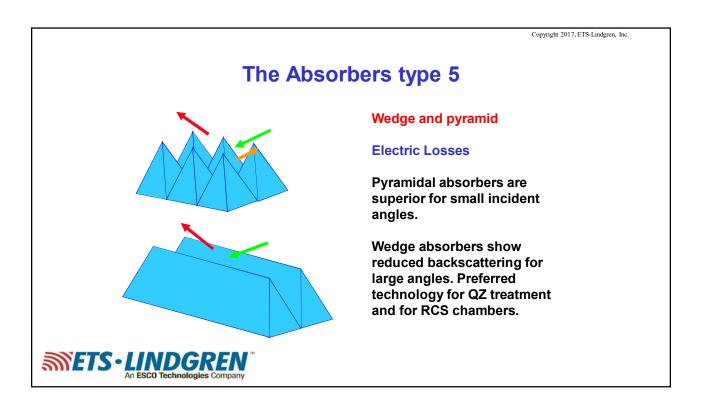


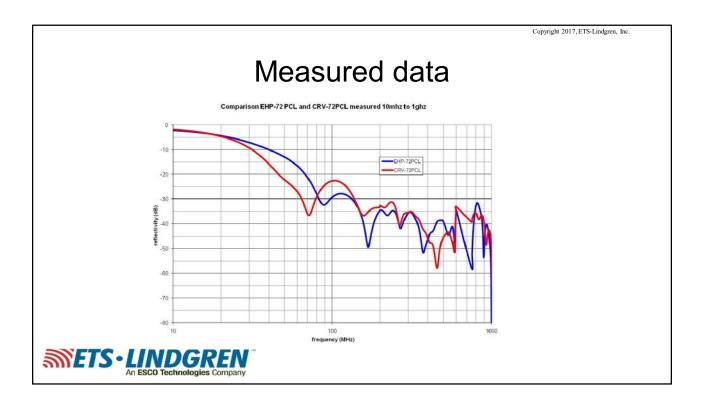


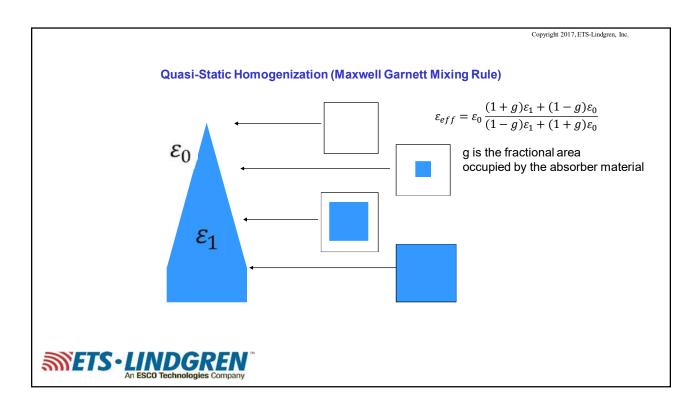


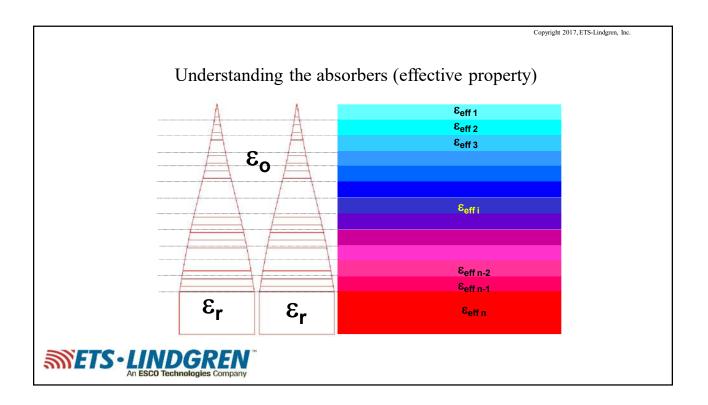


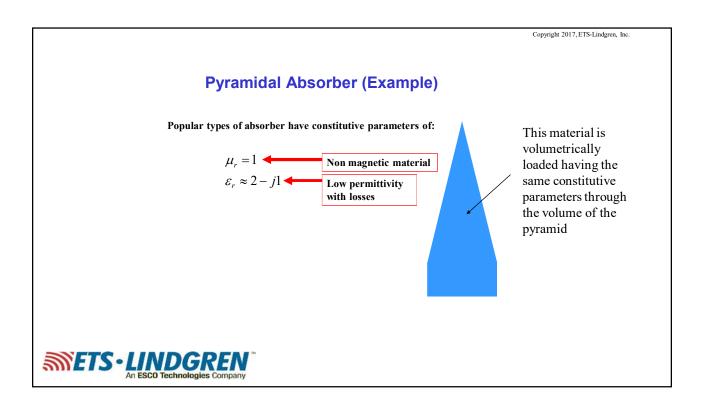


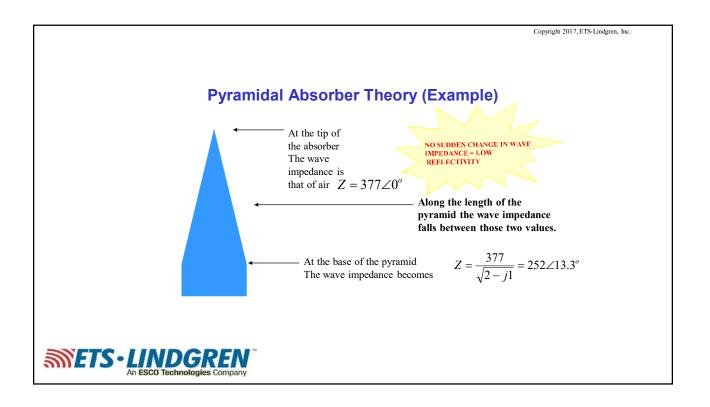


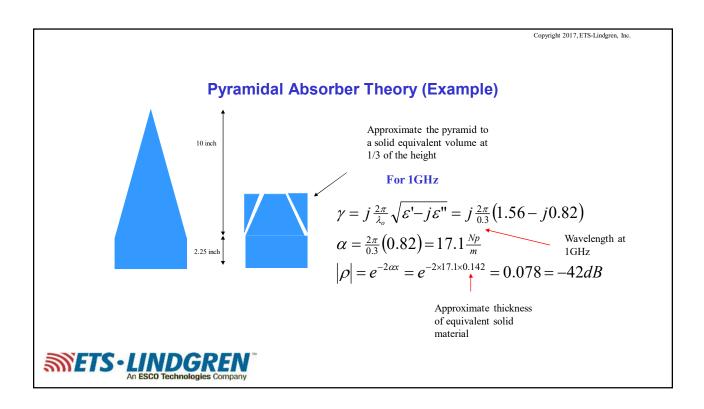


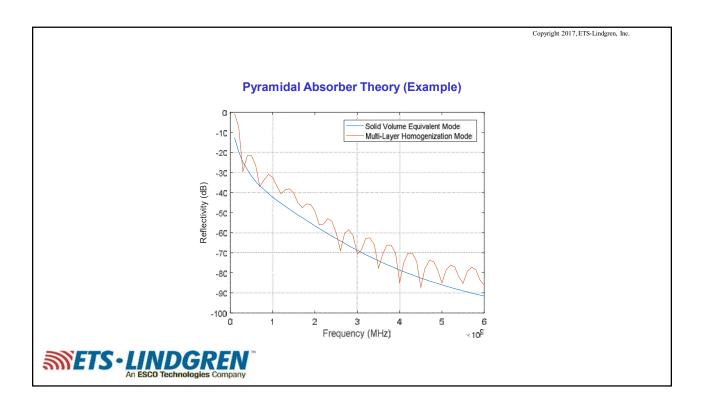


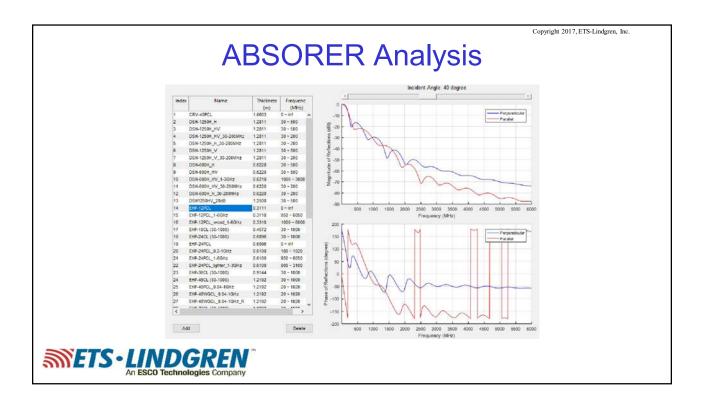


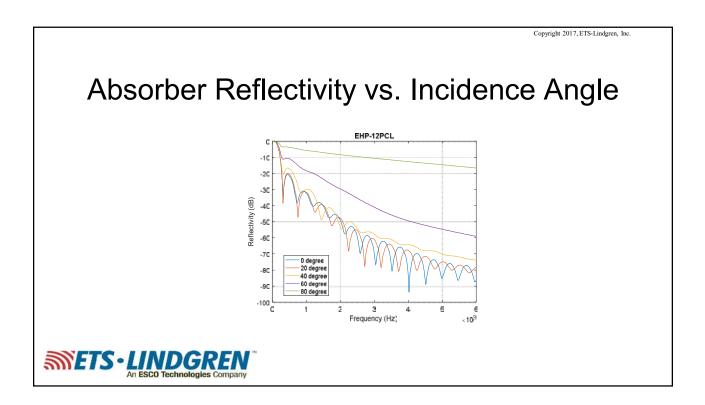












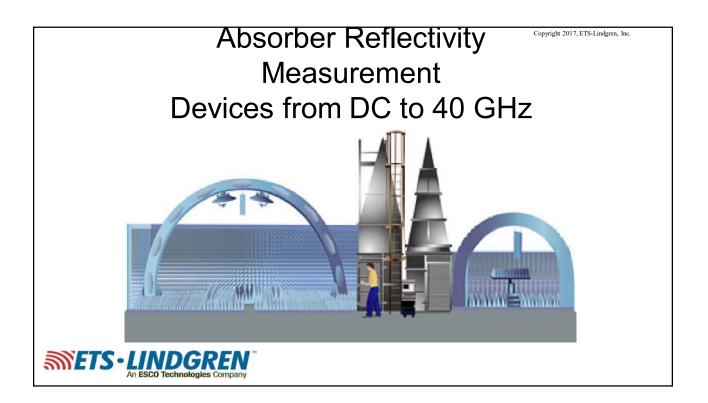
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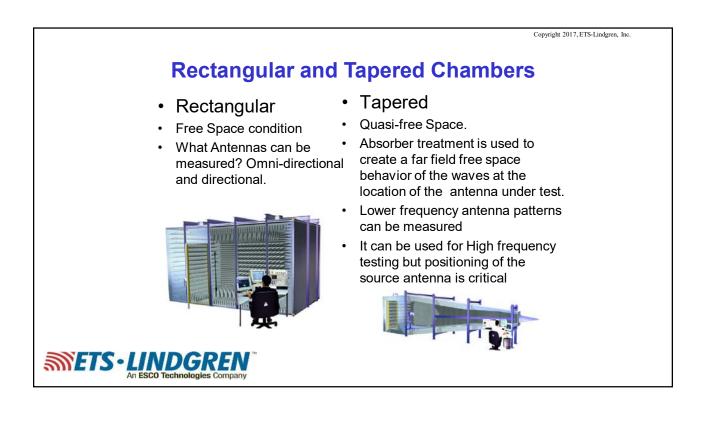
Typical Absorber Performance Given by Manufacturers

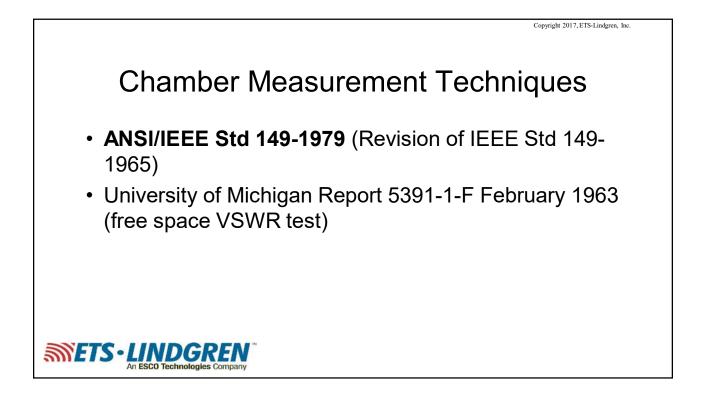
Maximum Reflections at Normal Incidence

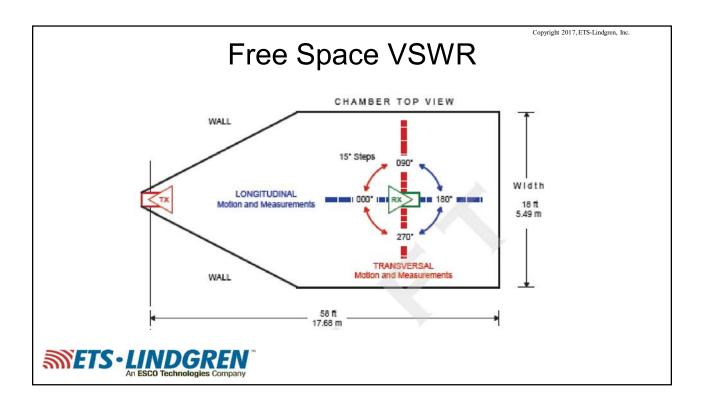
Model Number	80 MHz	120 MHz	200 MHz	300 MHz	500 MHz	L Band 1-2 GHz	S Band 2:4 GHz	C Band 4-8 GHz	X Band 8-12 GHz	Ku Band 12-18 GHz	K Band 18-40 GHz
EHP-3PCL								-30 dB	-40 dB	-45 dB	-45 dB
EHP-5PCL							-30 dB	-40 dB	-45 dB	-50 dB	-50 dB
EHP-8PCL						-30 dB	-40 dB	-45 dB	-50 dB	-50 dB	-50 dB
EHP-12PCL						-35 dB	-40 dB	-45 dB	-50 dB	-50 dB	-50 dB
EHP-18PCL					-30 dB	-40 dB	-45 dB	-50 dB	-50 dB	-50 dB	-50 dB
EHP-24PCL			-20 dB	-30 dB	-35 dB	-40 dB	-50 dB	-50 dB	-50 dB	-50 dB	-50 dB
EHP-36PCL	-11 dB	-13dB	-25 dB	-30 dB	-40 dB	-45 dB	-50 dB	-50 dB	-50 dB	-50 dB	-50 dB
EHP-48PCL	-15 dB	-20 dB	-30 dB	-35 dB	-40 dB	-45 dB	-50 dB	-50 dB	-50 dB	-50 dB	-50 dB
EHP-72PCL	-20 dB	-30 dB	-40 dB	-40 dB	-45 dB	-50 dB	-50 dB	-50 dB	-50 dB	-50 dB	-50 dB

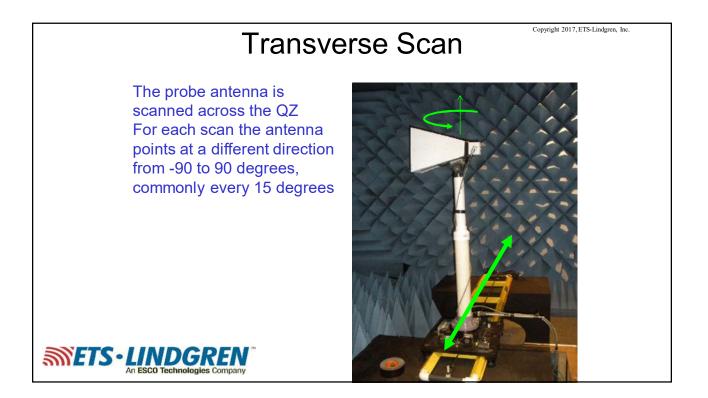
TETS - LINDGREN An ESCO Technologies Company

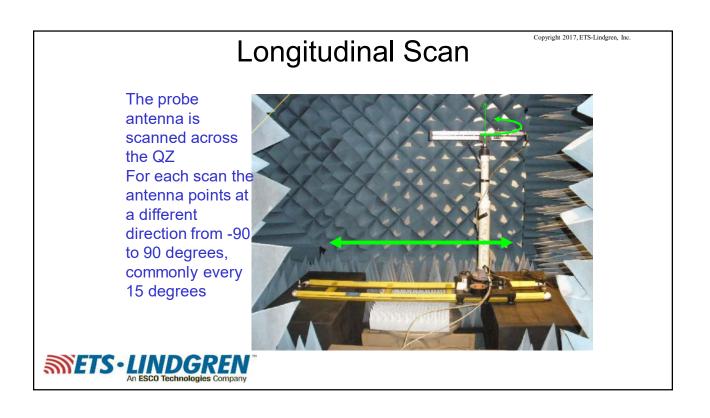


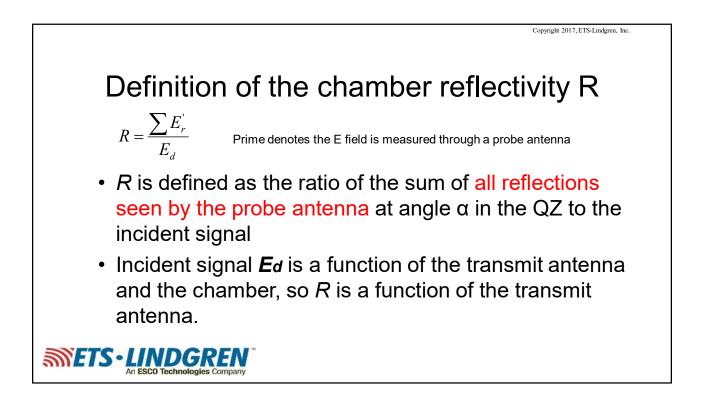


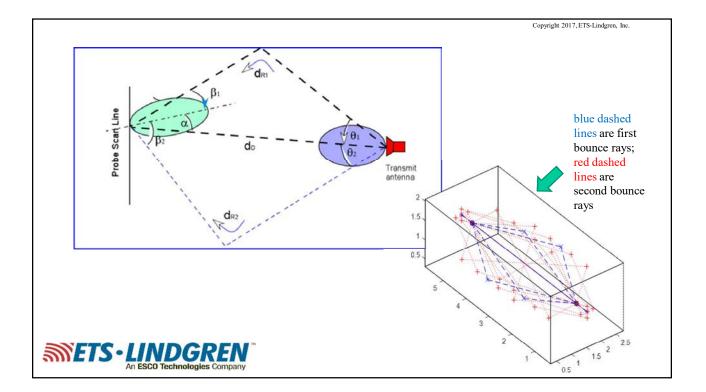


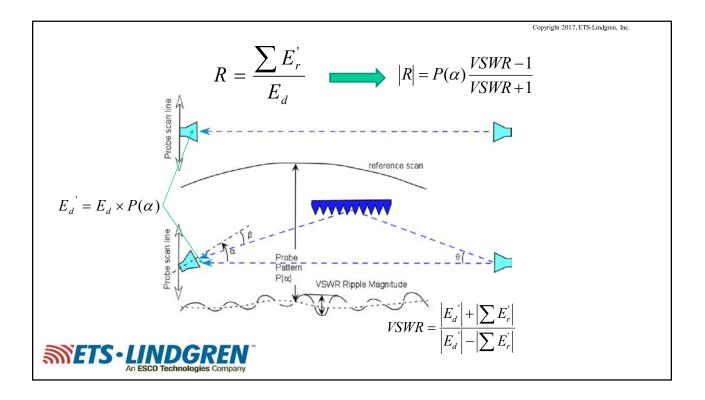


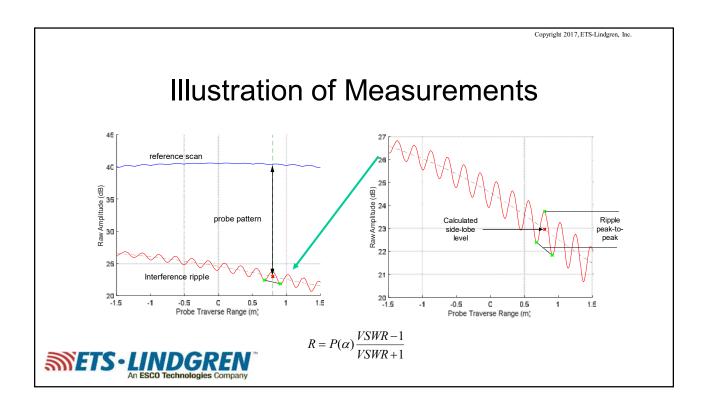


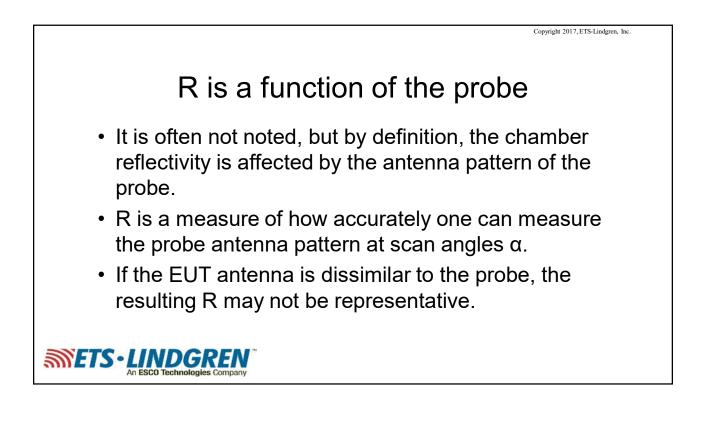


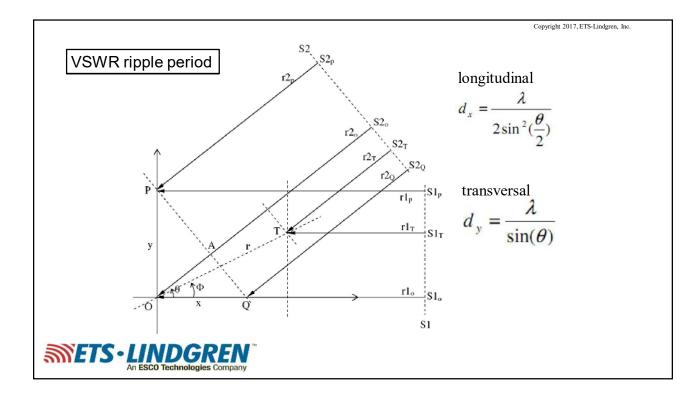


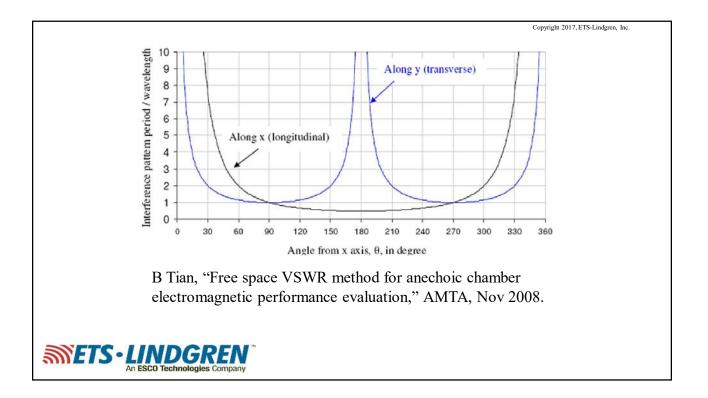


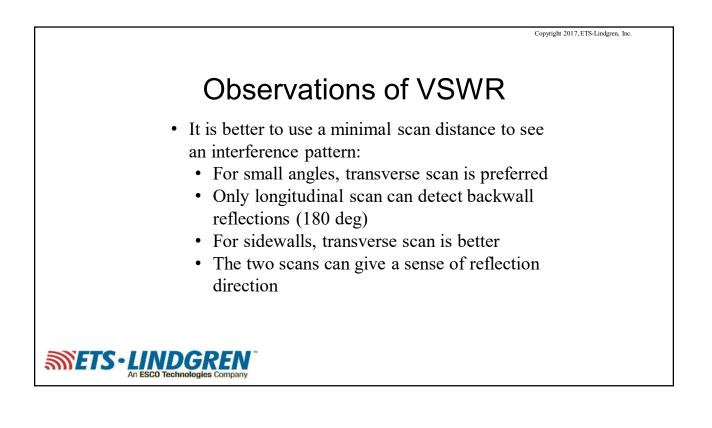


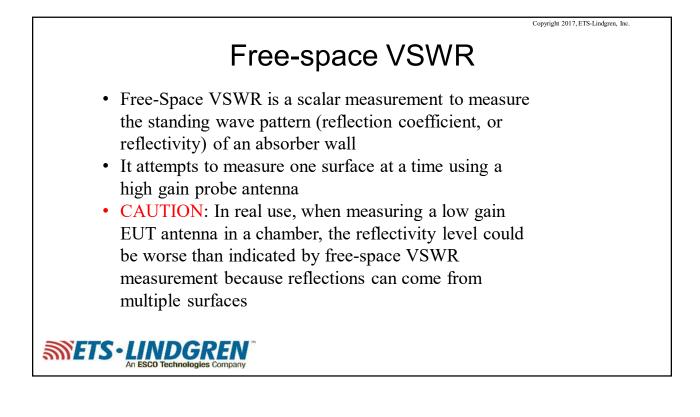








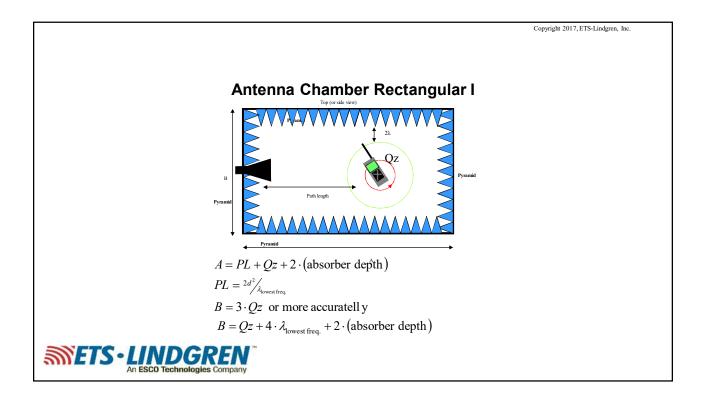


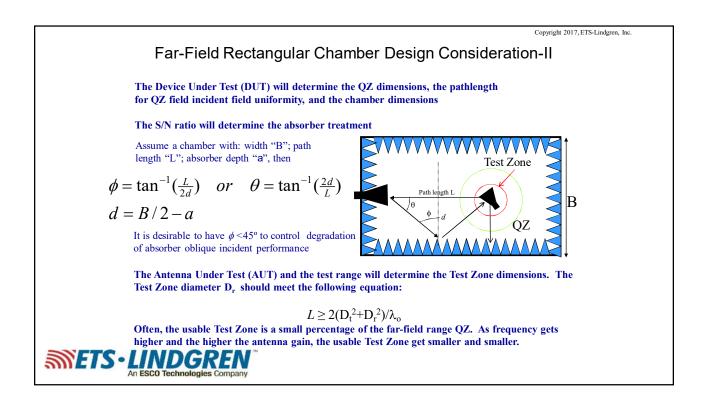


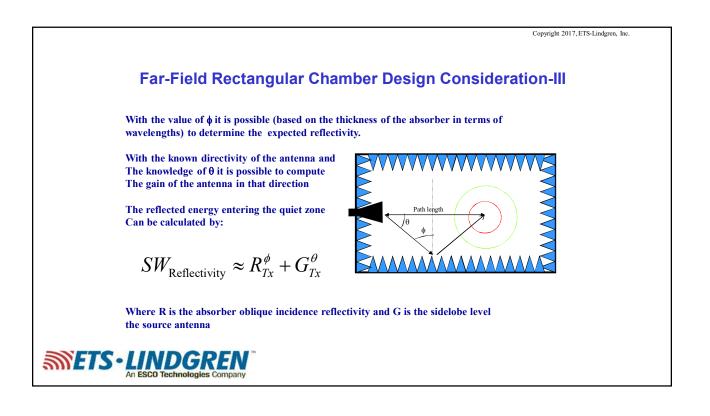
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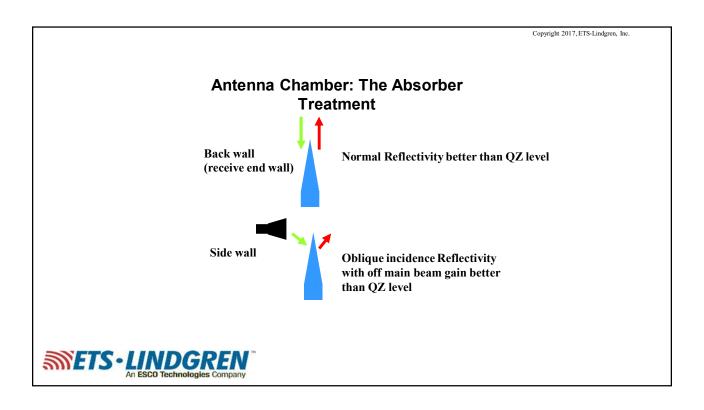
Absorber Treatment in a Rectangular Chamber

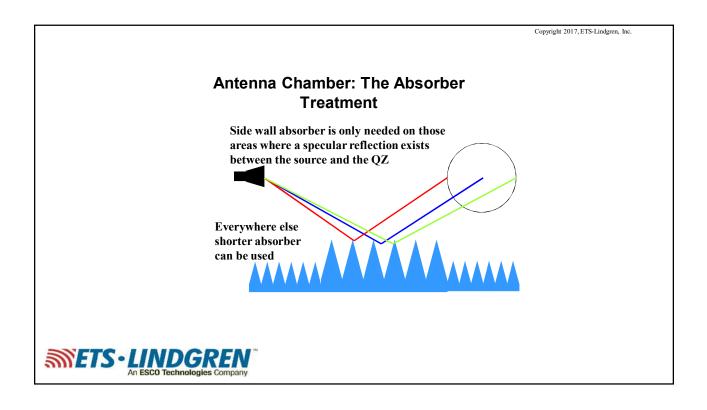


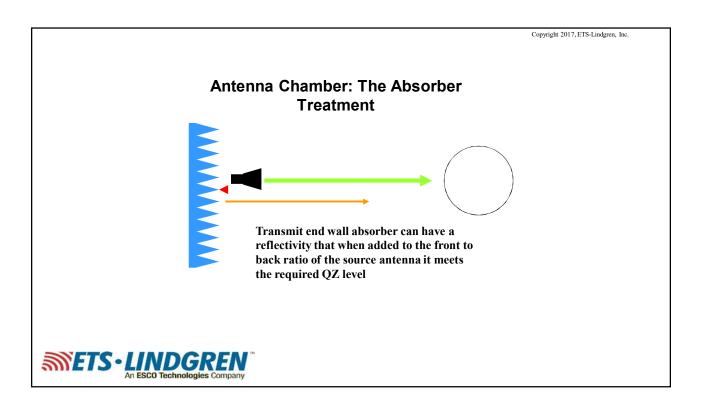


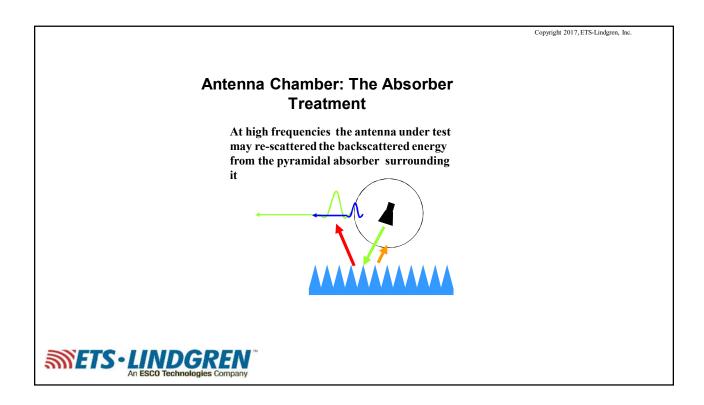


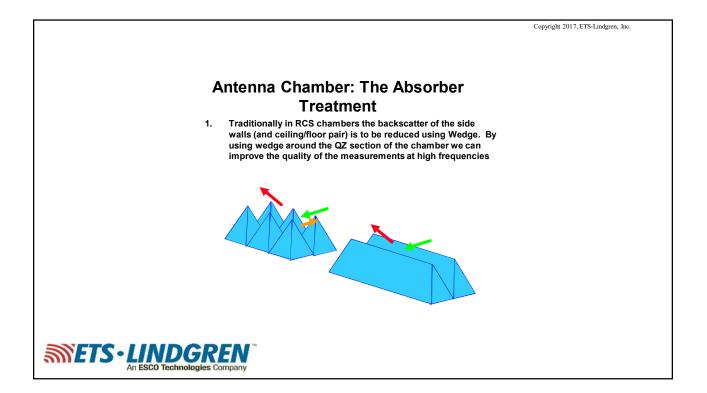


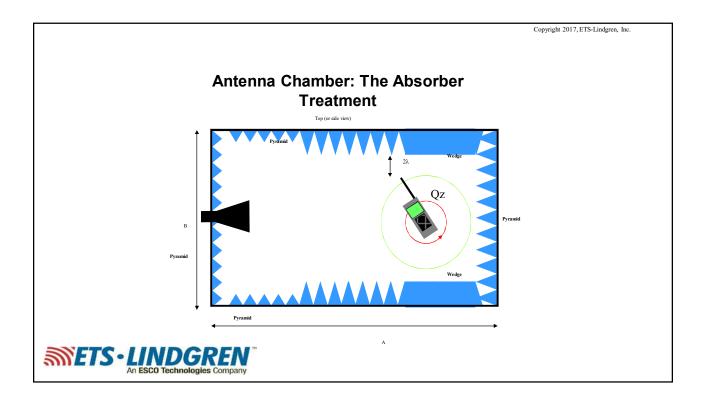


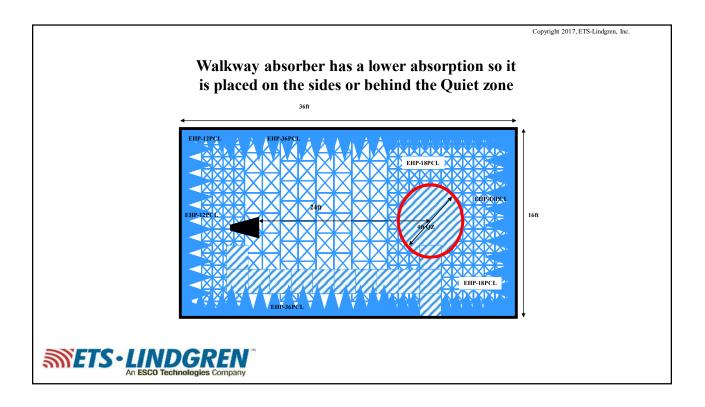


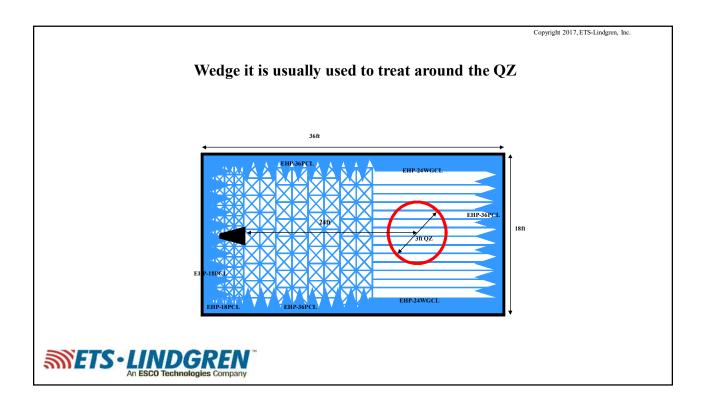


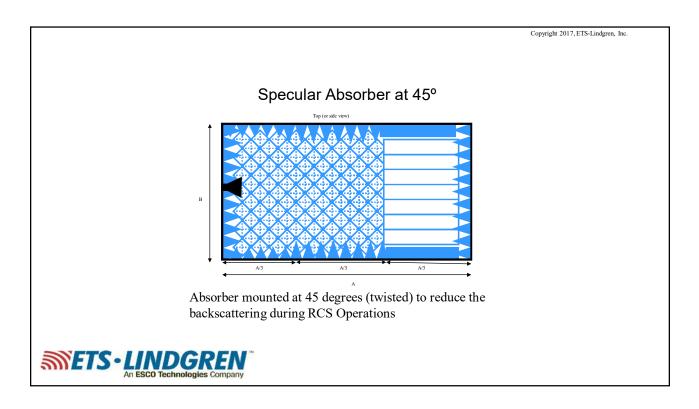


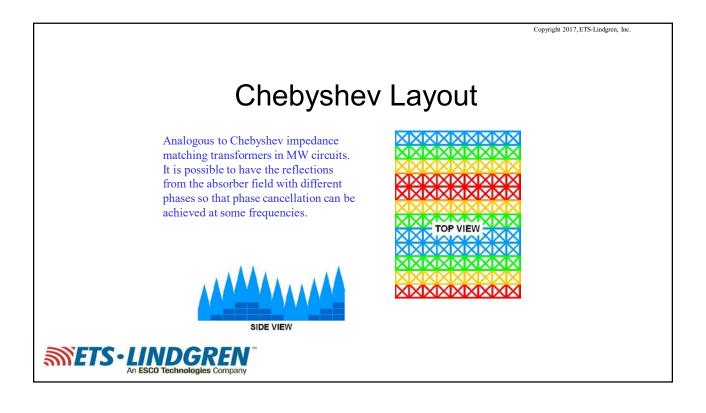


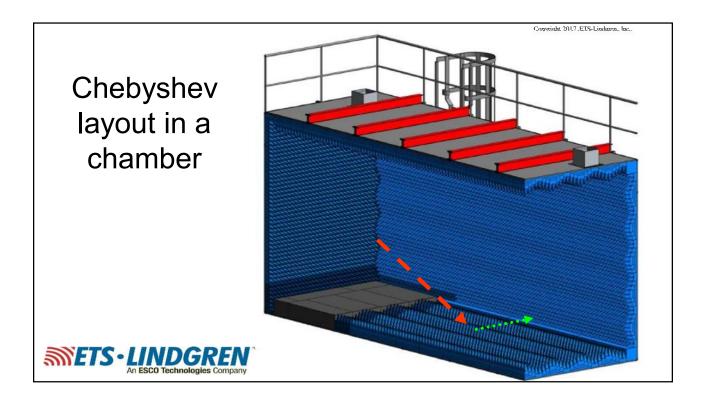


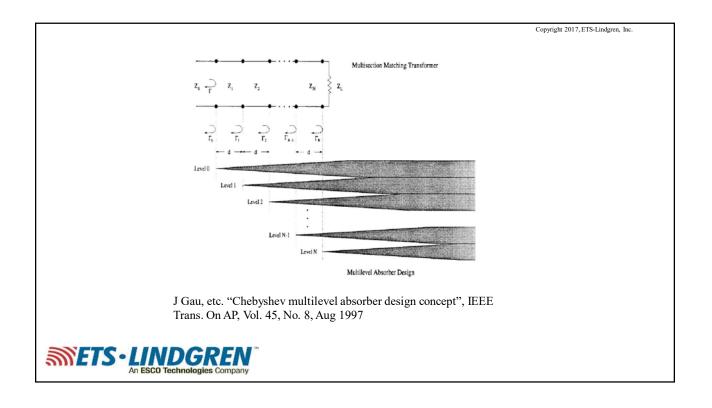


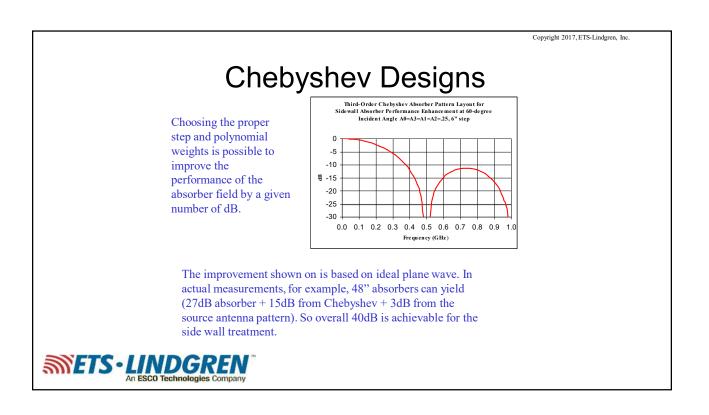


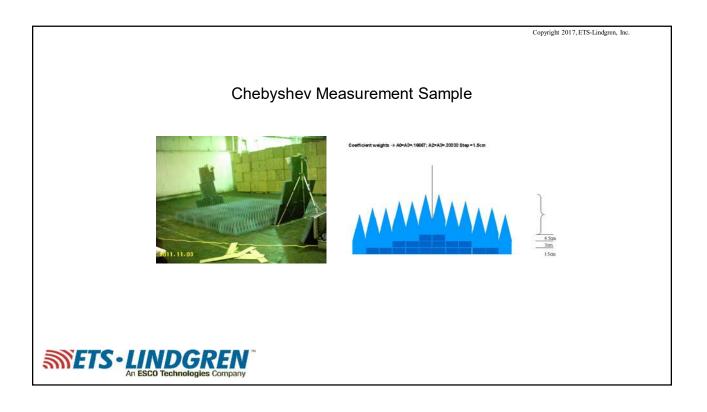


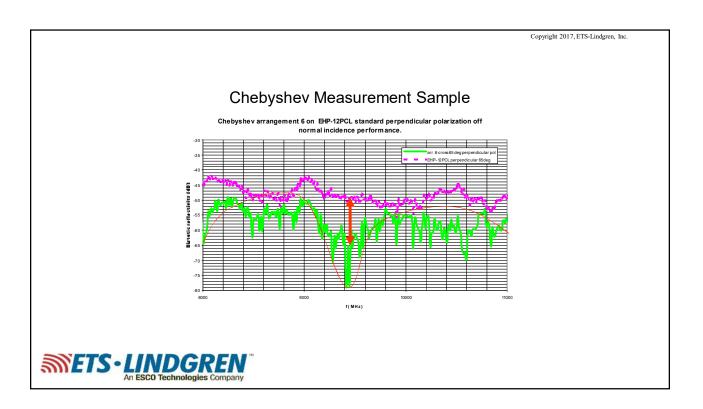


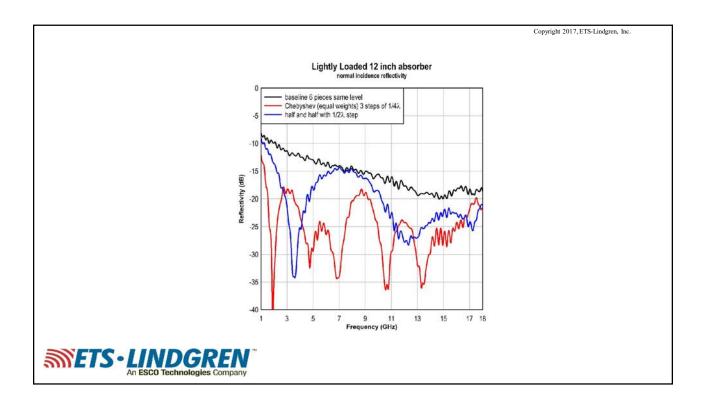












	inch /C			30ft) 48		
	Anechoic Performance	Frequency	Source directivity	Expected performance	Guaranteed performance	
		0.5 GHz	9 dB	< -40 dB	-40 dB	
SIDE VIEW		1 GHz	17 dB	< -45 dB	-42 dB	
	1	2 GHz	17 dB	< -55 dB	-55 dB	
Third-Order Chebyshes Absorber Partern Layou for Sidewall Absorber Performance Tahance men at 16-barge ce Incident Angle Ab-A3=A1=A2=25, 6* step		4 GHz	17 dB	< -55 dB	-55 dB	
		8 GHz	17 dB	< -55 dB	-55 dB	
-10 = -15		12 GHz	17 dB	< -55 dB	-55 dB	
		18 GHz	17 dB	< -55 dB	-55 dB	
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 Frequency (GHz)		40 GHz	17 dB	< -55 dB	-55 dB	
TESCO Technologies Company						

