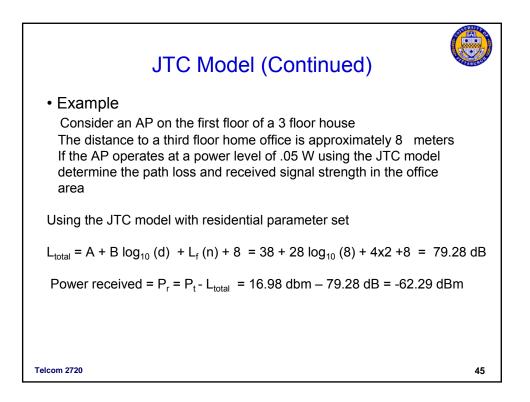
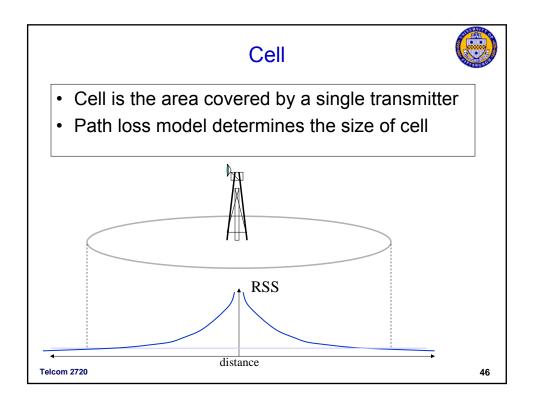
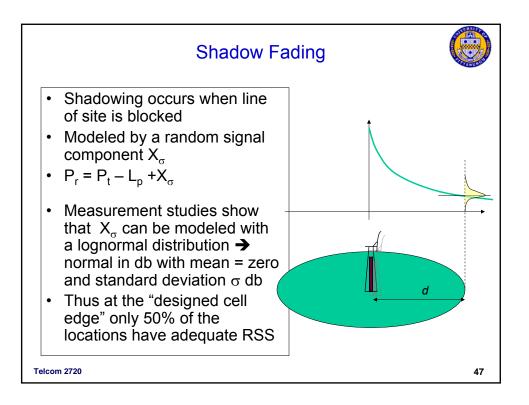
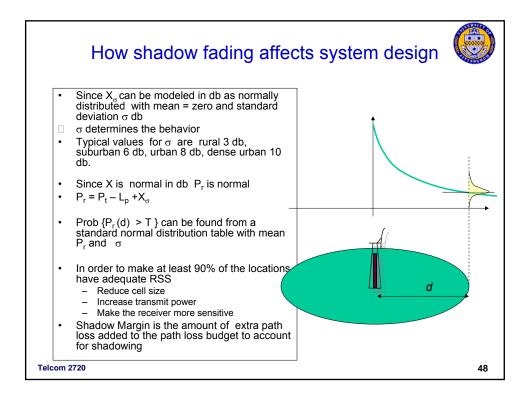


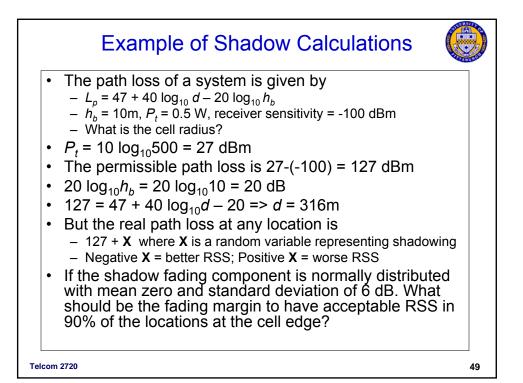
Environment	Residential	Office	Commercia
A (dB)	38	38	38
В	28	30	22
L <sub>f</sub> (n) (dB)	4n	15 + 4(n-1)	6 + 3(n-1
Log Normal Shadowing Std. Dev. (dB)	8	10	10

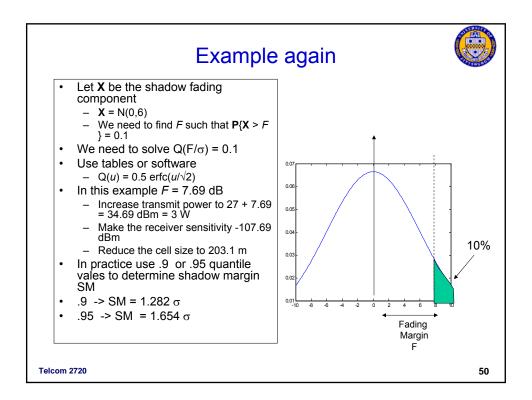


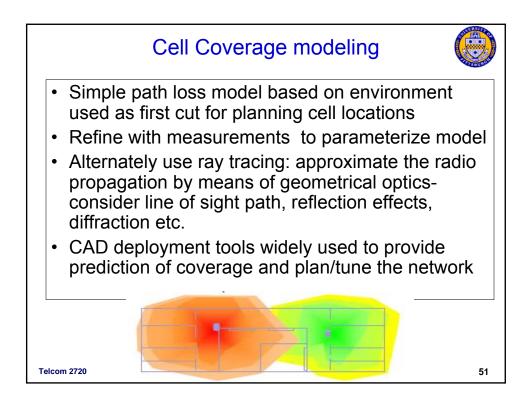


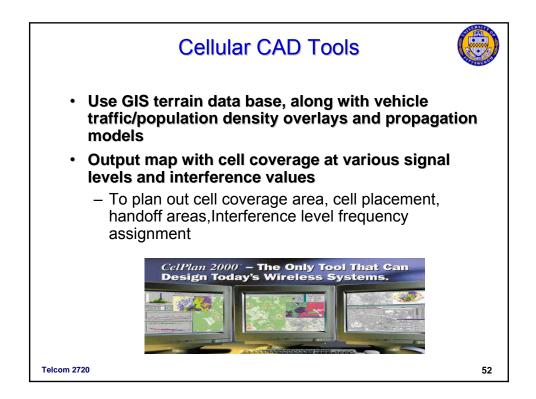


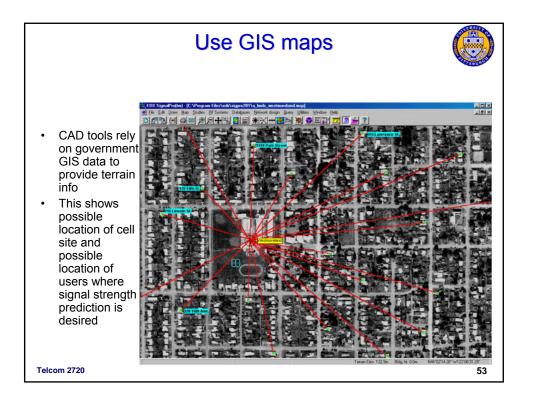


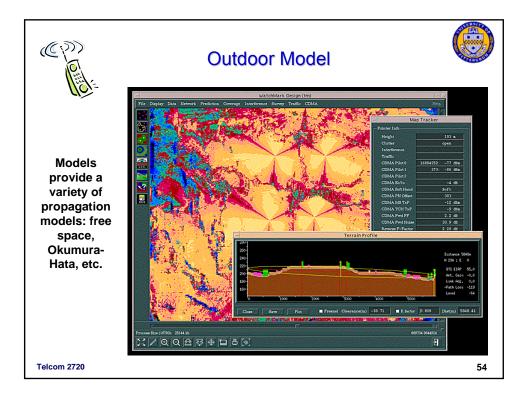


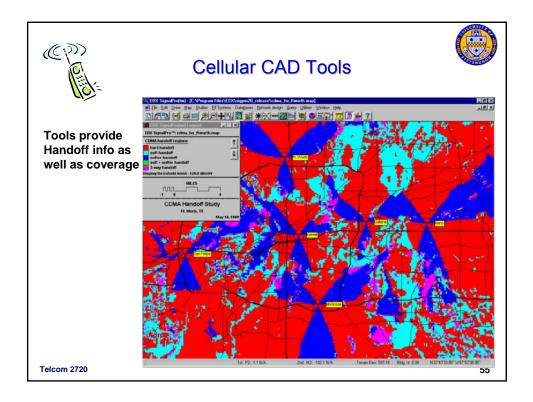


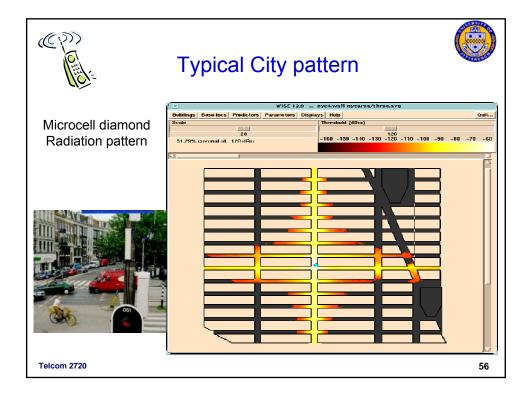


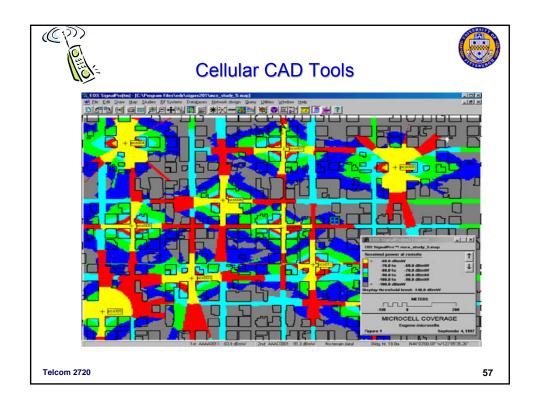


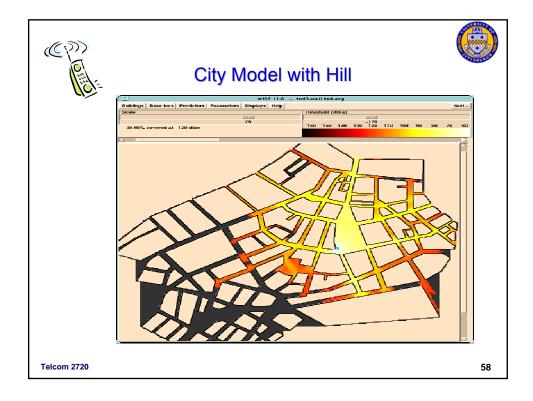


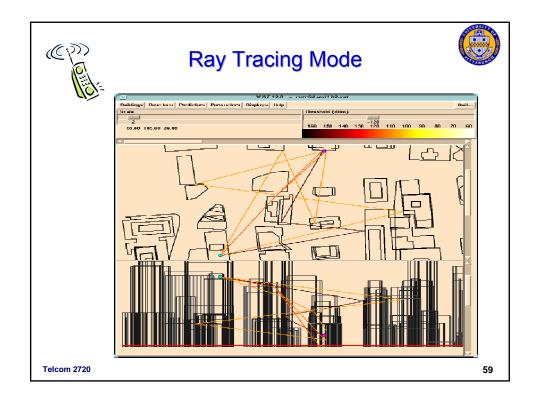


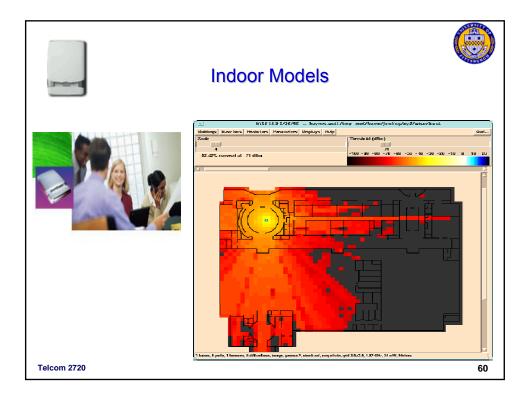


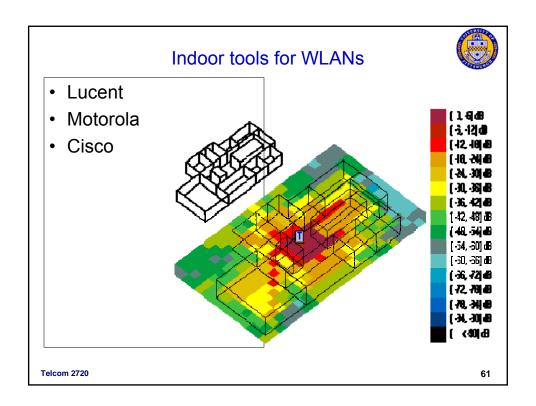


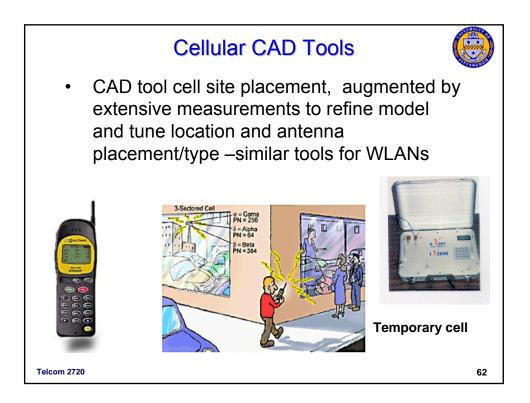


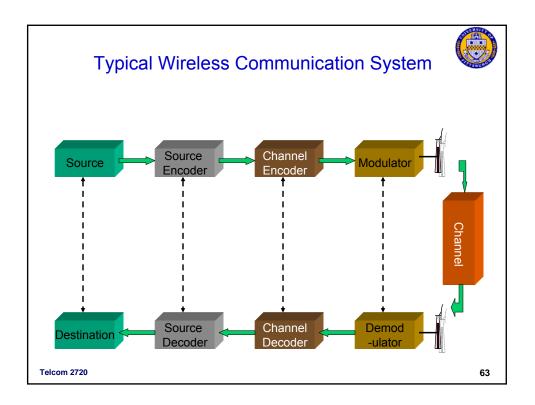


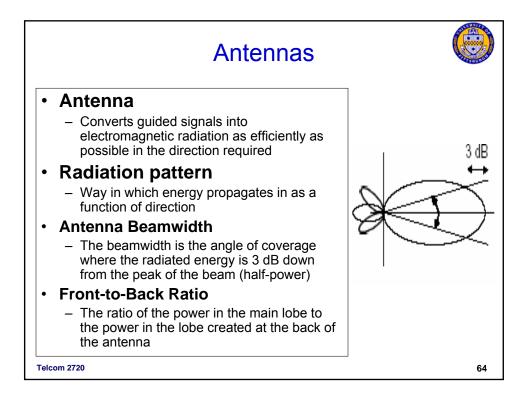


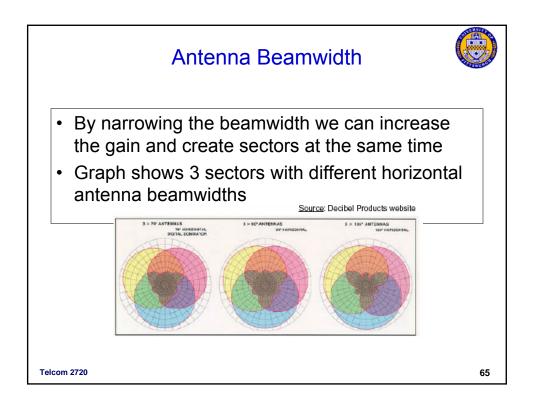


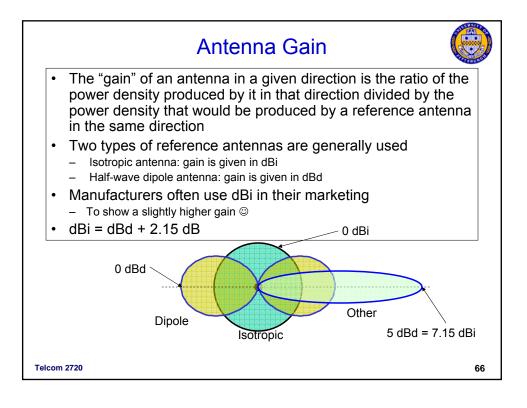


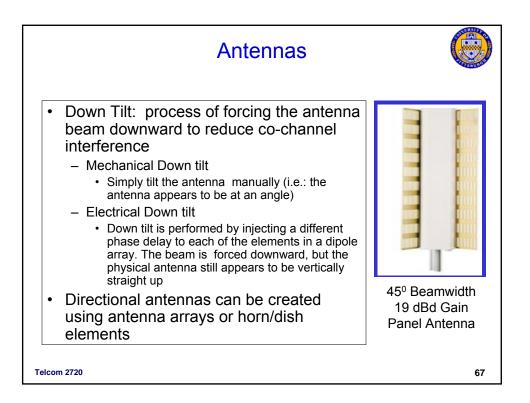


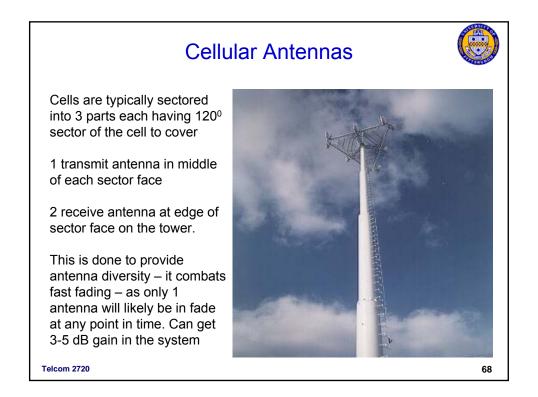


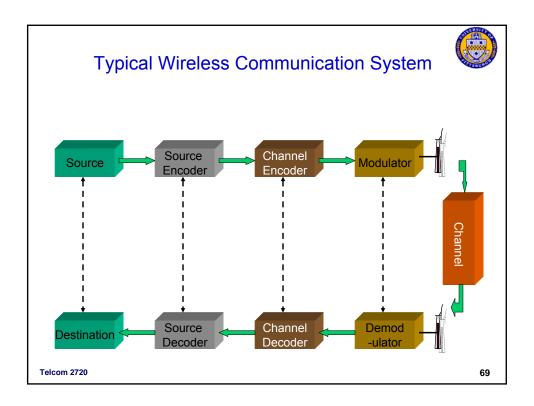


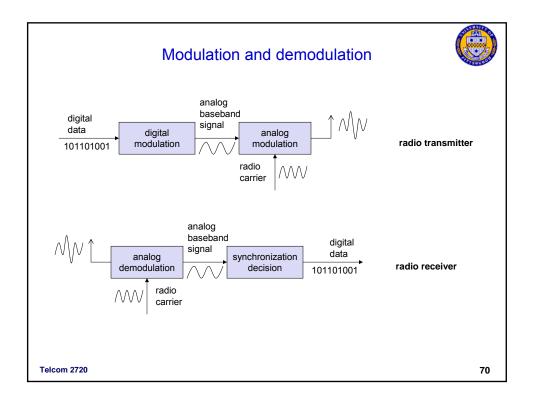


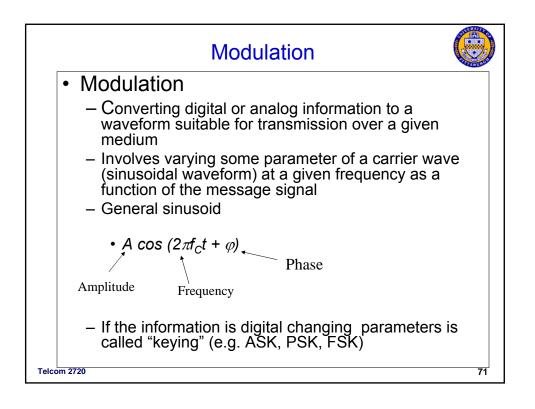


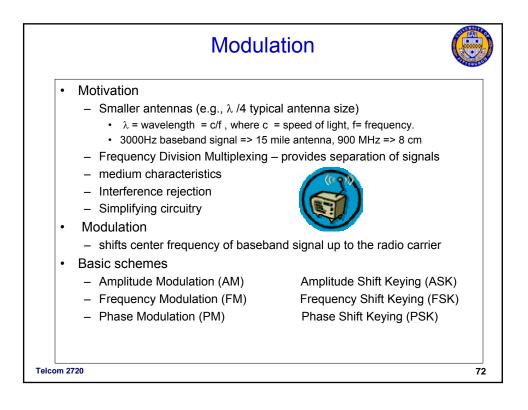


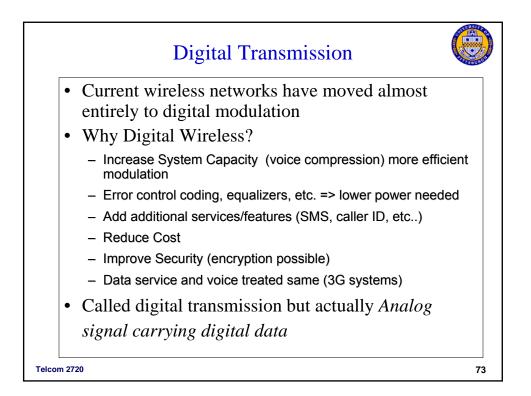


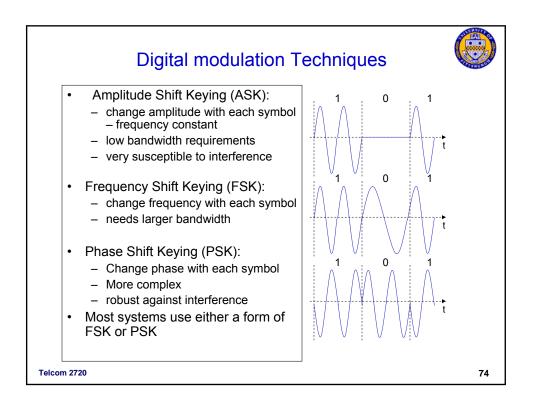


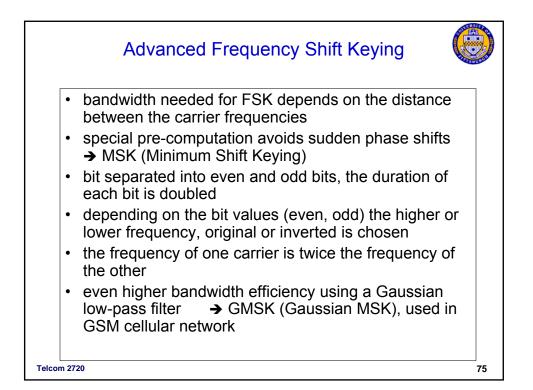


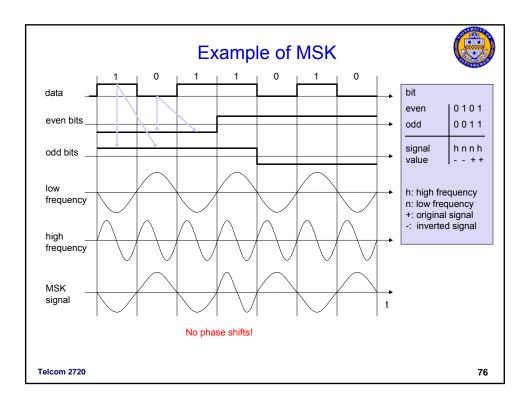


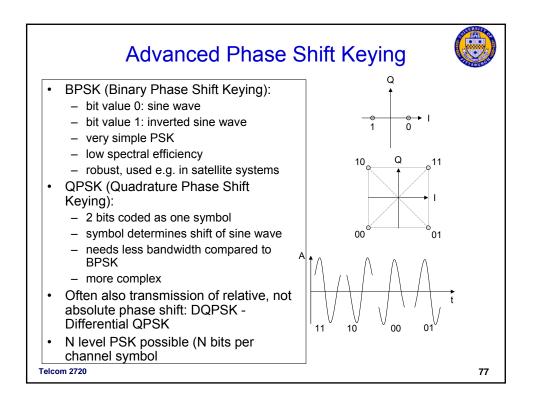












	QPSK Quick Re	view	
In QPS phases	K, we use two bits to represe	ent on one	of four
Examp	le: We represent 1 by a $-V_e$	Voltage	
	0 by a +V <sub>e</sub>		RZ)
Then th	e QPSK symbol is decided a	as follows.	
01:	$\cos(2\pi f_c t + \pi/4)$		
11 :	$\cos(2\pi f_{c}t + 3\pi/4)$	$\overset{11}{\times}$	
10 :	$\cos(2\pi f_{c}t + 5\pi/4)$		
00 :	$\cos(2\pi f_{c}t + 7\pi/4)$		
All sym	bols last for 2 <i>T</i> seconds.	10	
Why do	we choose this mapping?	$\overset{10}{ imes}$	
cos(A+	B) = cos(A)cos(B) – sin(A)siı	n(B)	

