



















	Every Wall/Floor Improves TV's Advantage												
		Residential		Commercial (Apartment)									
		Wall (Brick-Faced Masonry)	Floor (Lumber, Sheetrock)	Wall (Concrete)	Floor (Steel-Reinforced Concrete)								
	500 MHz (UHF TV)	8dB	16dB	20dB	22dB								
	900 MHz (Cellular)	11dB	22dB	22dB	27dB								
	1.6GHz (GPS)	10dB	20dB	26dB	29dB								
	3GHz (WiMax)	29dB	59dB	46dB	50dB								
Source: NIST Construction Automation Program Report No. 3, Electromagnetic Signal Attenuation in Construction Materials, National Institute of Standards and Technology, October 1997.													





Environment	Accuracy		
utdoor Line-Of-Site	5m		
)pen Outdoor	10m		
asy Indoor, Suburban Outdoor	20m 30m		
Ioderate Indoor, Urban			
) ifficult Indoor, Dense Urban	40m or more		



Opportunistic June 16-17, Worcester P Worcester, N



E911 Compliance Testing Results										
		Overall Accuracy		Compliant?						
PSAP	Environment	Mean	67%	95%	Compliant?					
Nashua, NH	Rural-Suburban	23m	31m	66m	yes					
Needham, MA	Rural-Suburban	27m	33m	63m	yes					
Santa Clara, CA	Suburban-Urban	28m	36m	65m	yes					
Washington, DC	Urban	37m	49m	86m	yes					
Edison, NJ	Suburban-Urban	38m	50m	83m	Yes					
FCC R	NA	50m	150m							
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