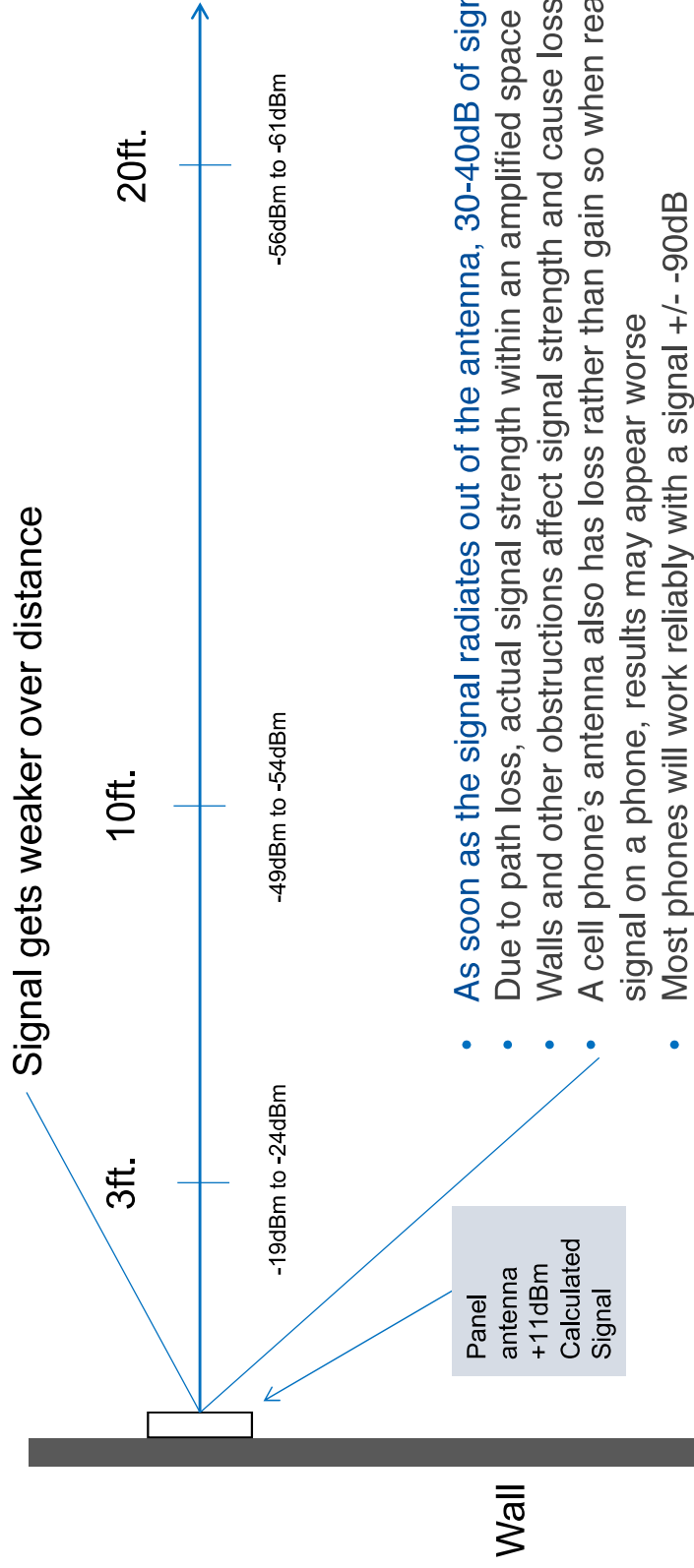


# Open Air Path Loss



# Material Signal Absorption

## Interior Structure Information

### Interior Wall Construction Material

- Signal absorption varies by building material
- This will affect the total coverage area of each broadcast antenna
- If a high absorption material like concrete or brick, one antenna may need to be used in each room

Material	800 mHz	1900 mHz
½" -in Drywall	2.03 dB	2.43 dB
Venetian Plaster	7.91 dB	16.22 dB
6" Concrete Wall	10.11 dB	19.41 dB
Glass Window	4.35 dB	4.38 dB
Low-E Glass Window	33.8 dB	33.8 dB
Fiberglass – ¼"-in	1.62 dB	1.9 dB
Brick	7.57 dB	14.66 dB
Solid Wood Door	6.11 dB	12.33 dB
Hollow Wood Door	5.39 dB	10.11 dB
½" OSB Plywood	3.27 dB	4.91 dB
Solid Pine ½"-in	2.01 dB	5.05 dB
Solid Oak ½"-in	4.68 dB	6.11 dB