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*What Is Wrong with My WiFi signal?*

Understanding aspects of getting good wireless reception and what materials can physically block a WiFi signal are important in the wireless world we live in. A router is a networking device that forwards data packets between computer networks. WiFi is important because it lets us use the internet without the hassle of wires. If cardboard, aluminum foil and plastic are placed in front of a wireless router then aluminum foil will decrease the signal the most because it is the strongest. Place the wireless router in a room where there are no walls or doors interfering with the signal. Have an assistant hold the materials that are the same thickness at the very bottom corner. Measure the signal strength (dBm) using a WiFi analyzer app. The data collected shows that the readings for each material used to block the signal, including the control measured similarly each cycle it was measured. As predicted aluminum foil blocked the signal the most while plastic blocked the signal slightly less than cardboard. We use WiFi for our everyday internet connections and knowing what things could potentially block these signals is important information. By changing the material in order to block the WiFi signal the dBm readings changed for each item so the idea of materials blocking the signal strength was supported. I do not think it would be a truly significant blockage reading, only mildly different.