Wi-Fi and the Bad Boys of Radio: Dawn of a Wireless Technology

By Alex Hills

Dog Ear Publishing, United States, 2011. Paperback. Book Condition: New. 213 x 137 mm. Language: English. Brand New Book ***** Print on Demand *****. At 36,000 feet, Wi-Fi converts our airline seats to remote offices. It lets us read email in airports, watch video in coffee shops, and listen to music at home. Wi-Fi is everywhere. But where did it come from? Wi-Fi and the Bad Boys of Radio takes us back to when the Internet was first gaining popularity, email took ten minutes to load up, and cell phones were big and unwieldy. But Alex Hills had a vision: people carrying small handheld devices that were always connected. His unwavering purpose was to change the way we use the Internet. After being a teenage ham operator and bringing radio, TV and telephone service to the Eskimos of northern Alaska, Dr. Hills led a small band of innovators to overcome the bad boys of radio - the devilishly unpredictable behavior of radio waves - and build the network that would become the forerunner to today's Wi-Fi. I know of no one so capable of telling the Wi-Fi story and explaining so clearly how the technology works. Alex Hills is...

Reviews

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WiFi is radio communications just as FM broadcast is, just uses different modulation and frequencies. WiFi is low power with very limited range, more for computers and devices communicating with a central hub around one's home or business. The main usage is wireless computer and devices to connect to the internet and is radio communications using radio waves. 1. Sponsored by Switch. WiFi is a set of standards for local area network communications that makes use of radio frequencies - but not FM radio frequencies. The modulation and coding differs substantially from FM radio as well, as WiFi trades coverage range for higher data throughput. Below is a comparison: AM radio: 535–1,605 kHz. Wi-Fi (/ˈwaɪfi/) is a family of wireless network protocols, based on the IEEE 802.11 family of standards, which are commonly used for local area networking of devices and Internet access, allowing nearby digital devices to exchange data by radio waves. These are the most widely used computer networks in the world, used globally in home and small office networks to link desktop and laptop computers, tablet computers, smartphones, smart TVs, printers, and smart speakers together and to a wireless Wi-Fi is a radio based wireless network. Wi-Fi is often called WLAN (Wireless LAN), Wi-Fi, WiFi, a wireless network or just simply wireless. A wireless LAN needs an access point that computers, phones, and other devices can connect to. Those devices that connect to the wireless network are called clients. In a normal home network, the router usually fulfills the role of the Access Point, since most home routers have one built in. You can then experiment by decreasing the output effect of the top left and the bottom right access points that are running on Channel 6. Decreasing the effect will shrink their radio cell sizes and might alleviate the problem. This is an effective solution if you have a lot of access points that overlap.