

Wireless Technical Brief

Pelican Wireless Frequency IEEE 802.15.4

Pelican Wireless utilizes the IEEE 802.15.4 wireless standard. This standard was designed to be compatible and coexist with the WiFi standard IEEE 802.11. Because of their design, they can coexist in the same frequency channels. However, the IEEE 802.15.4 standard allows for two (2) extra narrow channels which are normally not utilized by WiFi.

While the Pelican products are capable of operating in any of the defined channels, by default they operate in channel 26 (2.480 GHz) and are completely unnoticed in standard WiFi installations.

Wireless Spectrum Comparison Diagram

