

Single Sideband Operation:

Most Amateur Voice Operation, communicating with distant stations across the USA and all over the world, is accomplished using Single Sideband (SSB). Single sideband modulation, SSB, provides a considerably more efficient form of communication when compared to ordinary amplitude modulation (AM) or FM communication. It uses far less of the of the radio spectrum, so more different communications can take place at the same time, and it also requires less the power to transmit the signal. Whereas an AM radio signal, like those on the AM portion of your regular home or portable radio (e.g. WINA 1070) use a carrier and two side bands, SSB uses only one side band, and the receiver automatically replaces the missing parts of the signal. Some hams who are interested in older approaches can still be found using AM signals on the amateur bands.