Lab 1 - Prelab

Why are over modulated DSB-AM signals problematic from the receiver standpoint?

DSB-AM signals are problematic because they require a receiver to be have a clock for demodulation that is of the same frequency and phase (nearly the same phase) as the modulation clock in the transmitter.

In what situation DSB-SC might be preferred over DSB-AM?

DSB-SC, as it is named, does not have the carrier frequency present in the signal. This means that it requires much less power than a DSB-AM signal.









