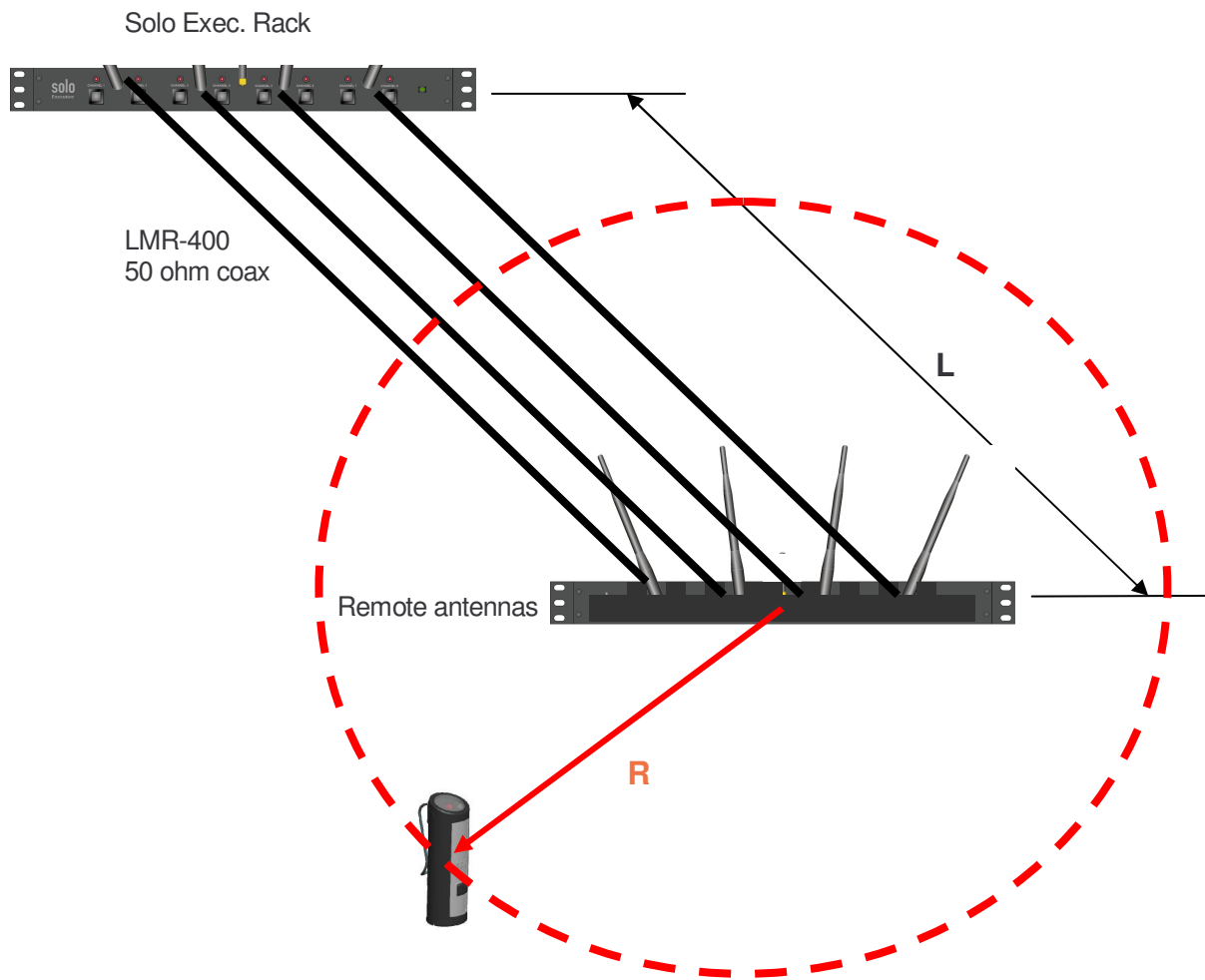


Application Note: Using Remote Antennas on the Solo Executive System

Overview

In some cases, building structure or equipment location may require extending the antennas from the front panel of the Solo Executive System to a remote location. Since the system operates at microwave frequencies (~1.9Ghz), we always recommend not using remote antennas unless absolutely necessary. Cable loss at microwave frequencies is very high thus reducing the effective range of the Solo microphones from the antenna elements. The following diagram and data is shown to describe the trade-off;



Cable Length, L (ft.)	Range from Antennas, R (ft.)
0	100
20	80
40	60
60	50