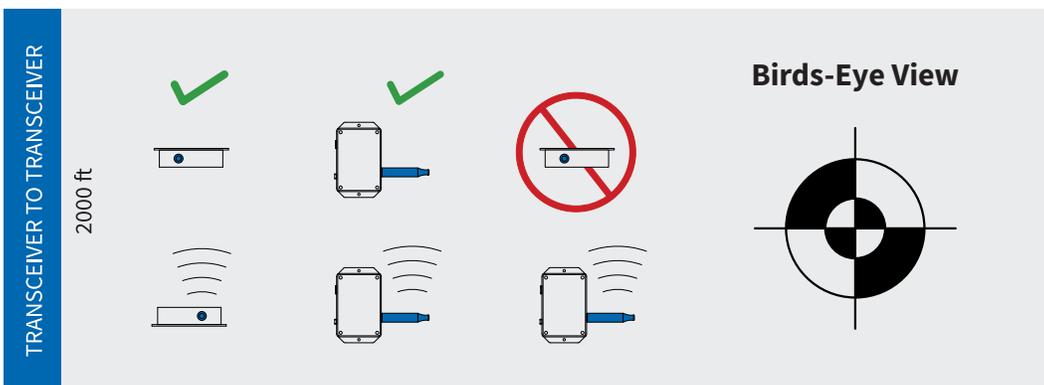
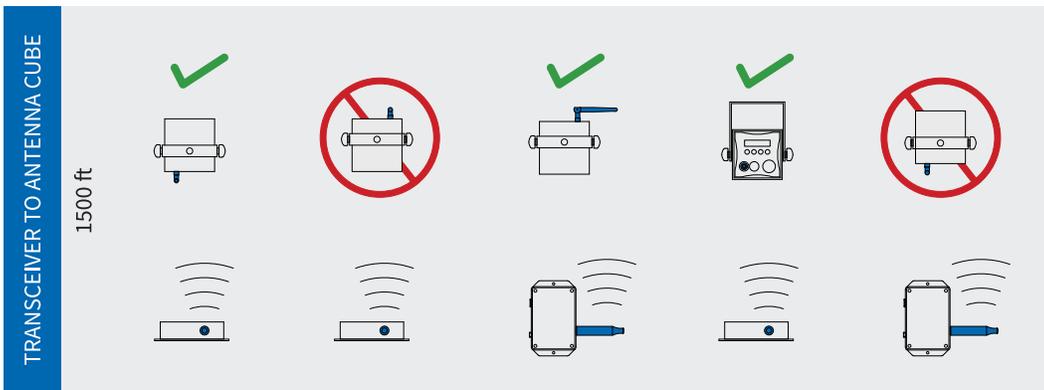
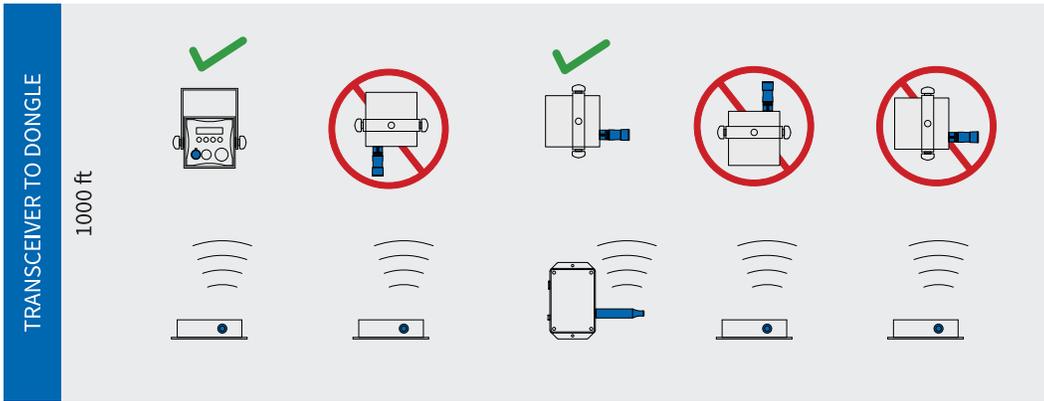


## Open Air Transmission

Line of Sight provides the most robust signal transmission/reception. The below data was captured with Transceiver and Receiving Dongles in open air at the same elevation.

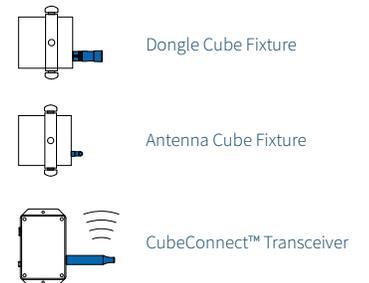
Dongle receiver allows control to 1,000 ft (305m) away. Antenna receiver extends control range to 1,500 ft (457m). A second transceiver provides maximum control range up to 2,000 ft (610m).

- Transceiver to Dongle
- Transceiver to Antenna
- Transceiver to Transceiver



Antenna positions for the sending Transceiver and the corresponding receiving Dongle, Fixture Antenna or Transceiver can significantly affect signal quality. For optimum performance reference the sending and receiving pairings and positions in the diagrams to the left.

As a general rule, parallel Antenna/Dongle positions provide the best signal transmission quality.



## Indoor Transmission

Placement of transceivers and receiving fixtures with Dongles, Antennas or Transceivers is affected by permanent walls, partitions, doorways, etc. and in most locations will be less robust than open air, line-of-site transmissions. The diagram below represents testing in an actual multi-room environment across a range of walls, partitions and operating distances.

