

Antenna Design

for WS800 Wireless Microphone System

ClearOne[®]

ClearOne's technical experts can help with your project



ClearOne offers antenna design services for your ClearOne WS800 Wireless Microphone System at **no additional cost**. Email your project's floor plan drawings to antenna.design@clearone.com and we will mark the suggested antenna placement, with cable specifications, and required connectors. ClearOne will supply you with an antenna design and a bill of materials specific to your project.

In addition to the items in your quote you will need to provide the following items to complete your free antenna design:

- A room plan showing where the transmitters and receivers will be placed
- Room dimensions: length, width, and ceiling height
- The location of the AV rack
- The location of room dividers and other obstructions between the transmitters and receivers
- Special considerations including extra cable routing distance through cable trays/conduits
- Any other special requirements that may impact how the system will be used or installed

ClearOne Wireless Value-Added Services

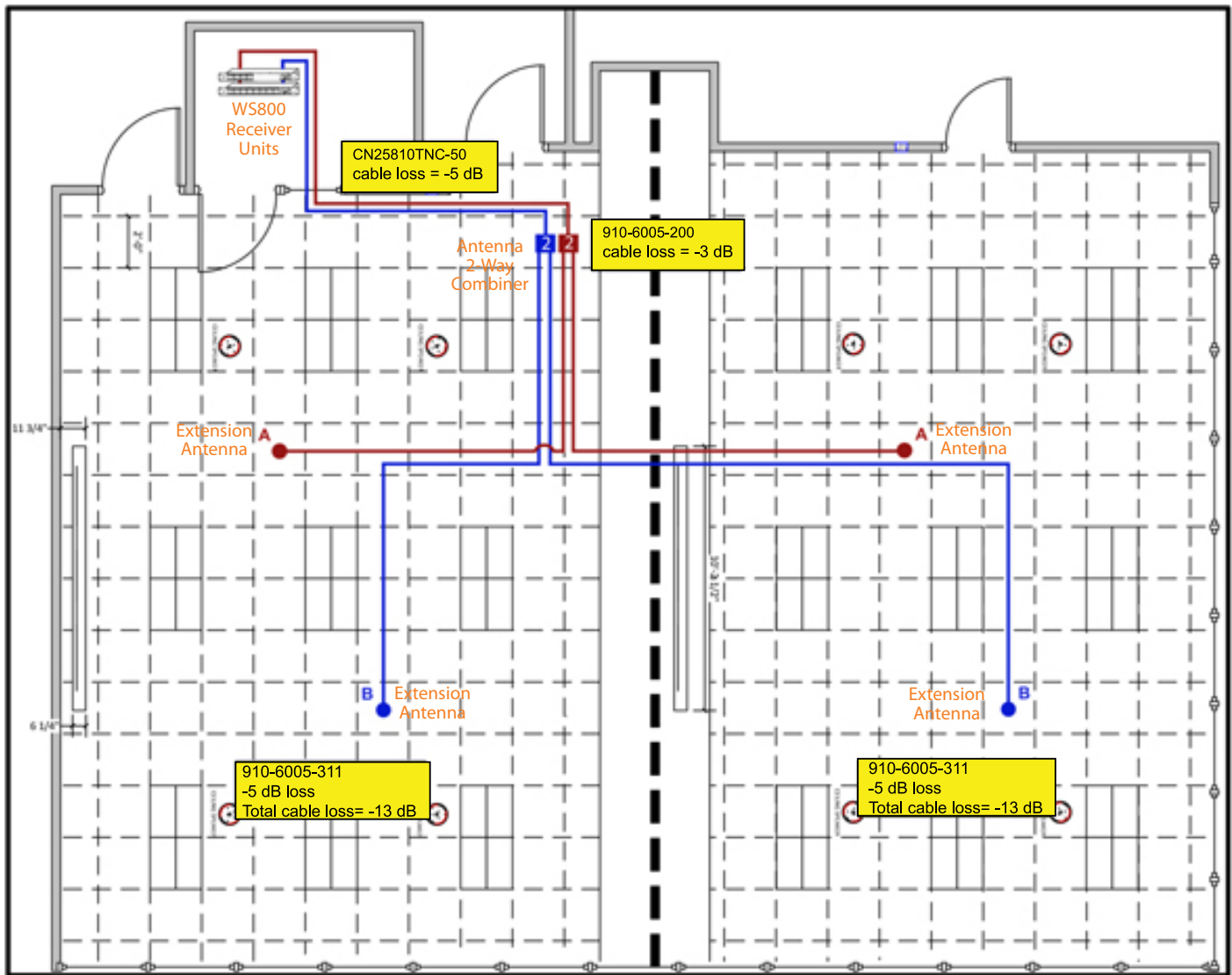
- Project Design/Application Consultant
 - Regional sales team
 - Manufacturer's remote support team
- Quote tool with pricing and part numbers
- Antenna design based on project plans
- Remote commissioning
- Support team by request

Antenna Design

for WS800 Wireless Microphone System

ClearOne

ClearOne's Sample Antenna Design



System BOM

- Qty 1 = 910-6000-8018ch Receiver, M915 MHz
- Qty 1 = 910-6000-4014ch Receiver, M915 MHz
- Qty 2 = 910-6002-12112" Gooseneck Mic, M915 MHz
- Qty 4 = 910-6004-001BeltPack Transmitter, M915 MHz
- Qty 4 = 910-6004-010Lavalier, Omni
- Qty 2 = 910-6003-001H18 Hand held Mic, M915 MHz
- Qty 4 = 910-6001-001Boundary Mic, Cardioid, M915 MHz
- Qty 2 = CN25810TNC-50 ...50' RG8 Plenum Cable
- Qty 2 = 910-6005-2002-way Combiner
- Qty 2 = 910-6005-31150' RG8 Antenna Kit Plenum, M915 MHz

Design Notes

1. Confirm cable run lengths on-site.
2. Separation of "A" and "B" ~10' (ft).
3. Keep cable lengths equal (Coil extra cable).
4. Ceiling mount antennas in line-of-sight to transmitters and away from metal fixtures.

Assumed Details

1. Drop-tile ceiling.
3. Plenum rated RG8 cable.
4. Ceiling height ~12'.

ClearOne Contacts

North America

Tel: +801.975.7200
Toll Free: +800.945.7730
Antenna Design: +386 361 8134
Fax: +801.303.5711
sales@clearone.com

Europe & Oceania

Tel: +44.1454.616.977
global@clearone.com

Asia Pacific

Tel: +86.1842 0152 949
global@clearone.com

Latin America

Tel: +801.974.3621
global@clearone.com

Middle East

Tel: +844.1454.616.977
global@clearone.com