


REGIONAL WIRELESS COOPERATIVE POLICIES AND PROCEDURES	
	No. O-12.12
Subject: Radio Amplification Systems Policy	Effective Date 5/24/12 Rev: 12/11/14

1.0 Purpose

- 1.1. The purpose of this policy is to provide standards for the deployment of radio amplification systems to improve radio signal coverage inside of buildings and underground spaces on the Regional Wireless Cooperative (RWC) network.

2.0 Owner

- 2.1. RWC Operations Working Group (OWG).

3.0 Applies To

- 3.1. Any entity installing radio amplification systems within the RWC service area and on the Federal Communications Commission (FCC) frequencies licensed by a RWC Member(s).

4.0 Background

- 4.1. Radio amplification systems are used to enhance radio signals within buildings, structures or other locations where signals would otherwise be inadequate.
- 4.2. Improperly installed or maintained amplification systems can cause interference or degrade radio performance.
- 4.3. FCC 47 CFR Part 90.219 Use of Signal Boosters and 47 CFR Part 2 FCC Certification Requirements govern use and certification of radio amplification systems.
- 4.4. Radio amplification systems may include Bi-Directional Amplifiers (BDA), Distributed Antenna Systems (DAS) or other active devices designed to amplify radio signals.

5.0 Policy Statement

- 5.1. Entities desiring to operate radio amplification systems on a RWC Member's licensed frequencies and within the service area of the RWC network must obtain written consent and approval from the licensee.
- 5.2. RWC network licensed frequencies are managed by a Network Managing Member.

6.0 Supporting Rules

- 6.1. The RWC will not be responsible for installation, upgrades, maintenance or replacement of radio amplification systems.
- 6.2. RWC will provide minimum technical requirements and written consent, upon request.
- 6.3. The RWC does not require entities to maintain any minimum coverage requirements within buildings or structures; however, individual cities may have their own rules or ordinances.

7.0 Responsibilities

- 7.1. Entities desiring to operate a radio amplification system must advise the RWC Frequency Manager of the following:
 - 7.1.1. Facility point of contact.
 - 7.1.2. Technical/contractor point of contact.
 - 7.1.3. Detailed location information (e.g., site address, building floor, room location).
 - 7.1.4. Installation design.
 - 7.1.5. Technical specifications (e.g., model number, FCC certification number, frequency band).
- 7.2. Any new or existing radio amplification system must be registered with the FCC. Registration may be accessed at: www.fcc.gov/signal-boosters/registration.
- 7.3. The RWC will work with an offending entity to resolve problems due to interference, pursuant to CFR 90.173(b).
- 7.4. In the event of interference or malfunction of radio amplification systems, the entity responsible for its installation and/or operation shall discontinue operation of the system until it is repaired or interference has been eliminated.

8.0 Conditions for Exemption or Waiver

- 8.1. As provided in the Waiver or Exception Policy.

9.0 Applicable Policies and/or Procedures

- 9.1. As listed at www.rwcaz.org.