



Gwinnett Fire Plan Review

Emergency Communications System(s) (Radio)

Project Name:			
Address:			Bldg/Suite #:
City:			Zip Code:
Contractor:			Phone:
Email:			
GENERAL BUILDING INFORMATION:			
Area of Building:			# of Stories:
Occupancy Type:			
System Type:	BDA- Y N	DAS- Y N	Radiating Cable- Y N
# of DBA's:			# of DAS antennas:
Location of Head End:			
Heading Angle:	BDA Class:		
Donor Antenna Location:			

✓⇒Pass, X⇒Fail, NA⇒Not Applicable

Status:

Drawing Submittal Requirements

1) Provide a copy of the installing contractor's FCC General Radio license and Georgia Low-Voltage license card.	
2) Plans shall be drawn to-scale with legible room names, and on a minimum 24" x 32" paper size.	
3) Plans shall include a wiring diagram including the cabling type.	
4) Plans shall include an information sheet with the building specifications and the system operational description.	
5) Provide the manufacturers' spec sheets for all system devices.	
6) Plans shall include a vicinity map which shows the nearest Gwinnett County system towers and building longitude and latitude.	
7) Plans shall include details of the supervision of the system by the FACP and the Central Station. Malfunctions of the system shall report supervisory signals.	
8) Plans shall show a grid pattern for each level, not less than 20 grids per floor. Floors greater than 32,000 square feet shall utilize a maximum 40 x 40 foot grid.	
9) Floor plans for each level, including the basement, shall show the anticipated signal levels as color gradients inside of each grid.	
10) Plans shall indicate the location of all system components.	
11) Plans shall identify critical areas as identified in 2019 NFPA 1221 9.6.7.3, and these areas shall have 99% coverage.	
12) The system shall be capable of transmitting all Gwinnett 700/800 MHz frequencies and modulation technologies	
13) All system components shall be contained in NEMA4- or NEMA4X-type enclosure(s). Batteries that require venting shall be stored in NEMA3R-type enclosures.	
14) An independent power supply shall be provided. The power supply shall be capable of supporting the system at 100% operation capacity for a minimum of 12 hours.	
15) A dedicated annunciator shall be provided in the fire command center.	
16) Provide a separate document box for all of the system information as required by 2019 NFPA 1221 9.6.14.3.	
17) All cables shall be documented to be rated for their respective use, plenum, riser, etc.	
18) All BDA equipment shall be Class A.	
19) Submit a letter from the building's owner stating that they have hired the submitting company and that they understand that the installation of the system is voluntary.	

Additional comments may be applicable depending on the usage of the space and the system's design.