

Our In-building antennas are designed to provide excellent coverage solutions in order for external Public Safety Radio Frequencies to propagate within buildings, tunnels or public use environments.

Our antennas can cover single or multiple frequency bands.

We offer a wide variety of antennas with Fire Retardant 6200 Kydex radomes. These materials are designed for In-building applications and inside public transport vehicles such as underground trains, vans, buses and trains. They meet the recommended fire safety practices of both the Federal Transit Administration (FTA) and the Federal Rail Administration (FRA) for smoke emission and flammability as tested under ASTM E-662 and ASTM E-162.

The antennas are installed on ceilings to provide RF coverage inside nuclear power plants, correctional institutions, tunnels, high-rise buildings, subways, shopping malls, parking garages, power plants, high-security office networks and mine shafts.

Electrical Specifications	F-33005	F-33048	F-33048-A
Frequency Range, MHz	806-960 / 1850-1990	760-960	760-960
Nominal Gain	Unity	Unity	Unity
Bandwidth: 1.5:1 VSWR, MHz			
138-174	N/A	N/A	N/A
406-512	N/A	N/A	N/A
760-960	N/A	200	200
806-960	72 (specify frequencies)	N/A	N/A
1800-1990	140	N/A	N/A
Polarization	Vertical	Vertical	Vertical
Pattern	Omnidirectional	Omnidirectional	Omnidirectional
Power Rating, Watts	50	50	50
Nominal Impedance, Ohms	50	50	50
Radome	6200 Kydex	6200 Kydex	6200 Kydex
Standard Termination	N Female	N Female installed at the base	32" Jumper - N Female
Mechanical Specifications	F-33005	F-33048	F-33048-A
Max. Length, in (mm)	2 (51)	2 (51)	
Diameter, in (mm)	4.5 (114)	4.5 (114)	
Weight, lbs (kg)	0.375 (0.169)	0.375 (0.169)	
Required Minimum Ground Plane Size. in (mm)	8 x 8 (203 x 203)	8 x 8 (203 x 203)	
Mounting hardware	Not Included	Not Included	

