

## ULTRA-WIDEBAND IN-BUILDING ANTENNA

130-1000 MHz

**UWB-1301000-NF, UWB-1301000-RNF, UWB-1301000-R-NFBLKHD**

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 latest innovation, the UWB-1301000-NF has been designed for mounting on a ceiling or gyprock wall without the need of a ground plane. This in-building antenna is entirely flat and gets integrated into the ceiling almost invisibly. The antenna's main application includes: Usage for Distributed Antenna Systems (DAS) for Public Safety or LTE communication in multiple stories of a building.

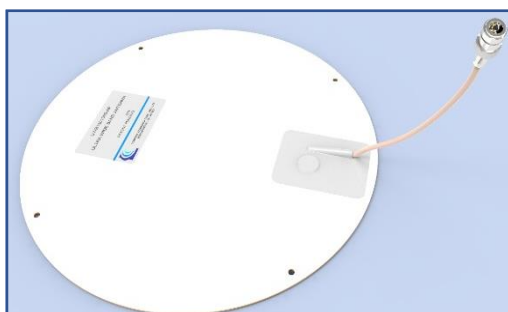
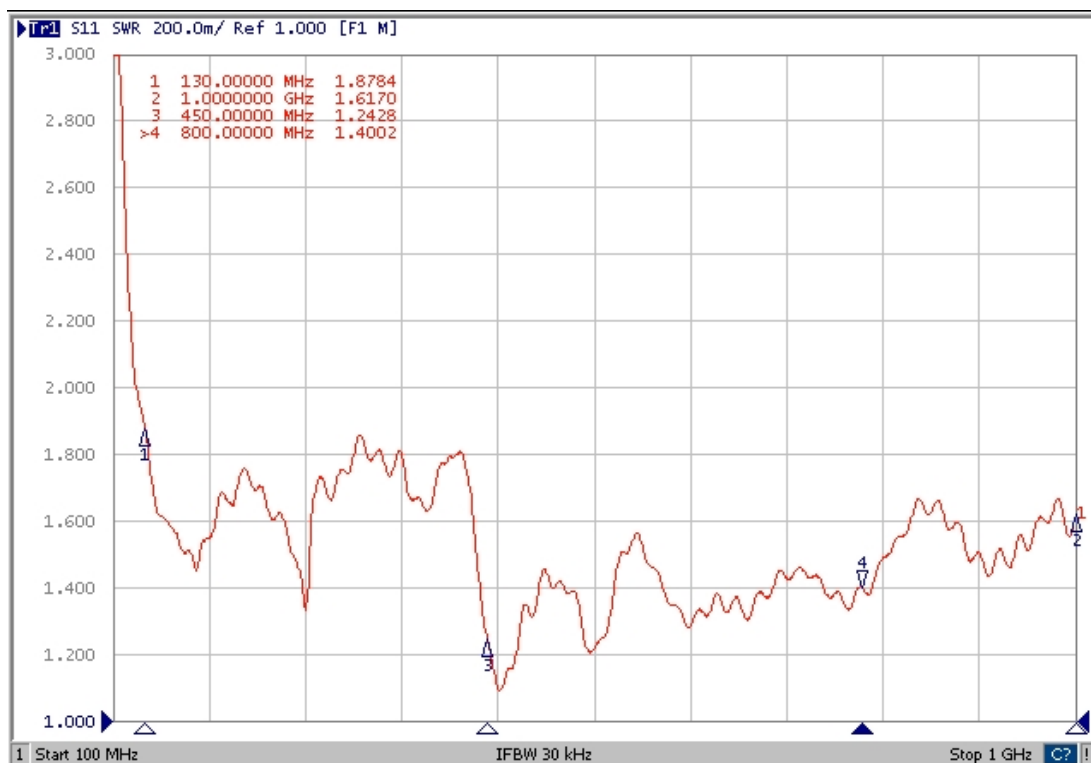
UWB-1301000-RNF model is design to be installed on hard surfaces such as concrete or metal structures.

UWB-1301000-R-NFBLKHD model is similar to the UWB-1301000-RNF model except it has a bulkhead connector fixed on the metallic plate support to allow the antenna to be installed on hard surface with clearance such as structural beams.

UWB-1301000-RNF and UWB-1301000-R-NFBLKHD have a Kydex 6200 radome with extra protection to 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.

Electrical Specifications		UWB-1301000-NF, UWB-1301000-RNF, UWB-1301000-R-NFBLKHD	
Frequency Range, MHz		130-1000	
Nominal Gain		Unity	
VSWR		1.8:1 Typical (2.0:1 Maximum)	
Bandwidth: 1.8:1 VSWR, MHz		870	
Pattern		Omnidirectional	
Power Handling, Watts		5	
Nominal Impedance, Ohms		50	
Color		White	
Standard Termination		N Female	
Mechanical Spec.	UWB-1301000-NF	UWB-1301000-RNF	UWB1301000-R-NFBLKHD
Diameter, in (mm)	15.25 (387.35)	17 (423)	17 (423)
Thickness, in (mm)	0.07 (1.8)	4 (101.6)	4 (101.6)
Weight, lbs (kg)	Less than 1 (0.45)	3.25 (1.475)	3.25 (1.475)
Mounting Hardware	Mounting bolts provided	Mounting plate and supports	Mounting plate and supports

VSWR Curve  
Representative of all  
models



Model UWB-1301000-NF



Model UWB-1301000-RNF



Model UWB-1301000-R-NFBLKHD