

## Clarity® Pearl In-Building Public Safety Antenna

UHF + 700/800/900 MHz

Part# PSUTWCNF

### Features

- **Frequency of Operation:**
  - 380-570 MHz (UHF)
  - 698-960 MHz
- **Excellent Performance Across all bands**
- **VSWR 2:1 Max.**
- **Size : 311mm Diameter**
  - 9.5mm below ceiling
- **White radome; UV stabilized plastic, UL94-V0 flammability.**
- **500mm coax with N Female connector**

### Applications

- **In-Building Public Safety repeater systems.**
- **Excellent Coverage of Public Safety networks**
  - Includes T-Band, Tetra coverage
- **Pleasing aesthetic design.**
- **Ideal for Challenging building types: Hospitals, Schools, Shopping malls, Government buildings, Multi-tenant, etc.**
- **Ideal for Challenging Environments:**
  - Multi-story structures with weak propagation characteristics.
  - Low-ceiling Basements.

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ELECTRICAL SPECIFICATIONS	
FREQUENCY (MHz)	380 – 570; 698 – 960 MHz
NOMINAL IMPEDANCE ( $\Omega$ )	50
VSWR, Maximum	2:1
RETURN LOSS	9.5 dB
AVERAGE PEAK GAIN (380-420 MHz)	1.8 dBi
AVERAGE PEAK GAIN (420-570 MHz)	3.3 dBi
AVERAGE PEAK GAIN (698 – 960 MHz )	3.0 dBi
MAXIMUM POWER INPUT	10 W

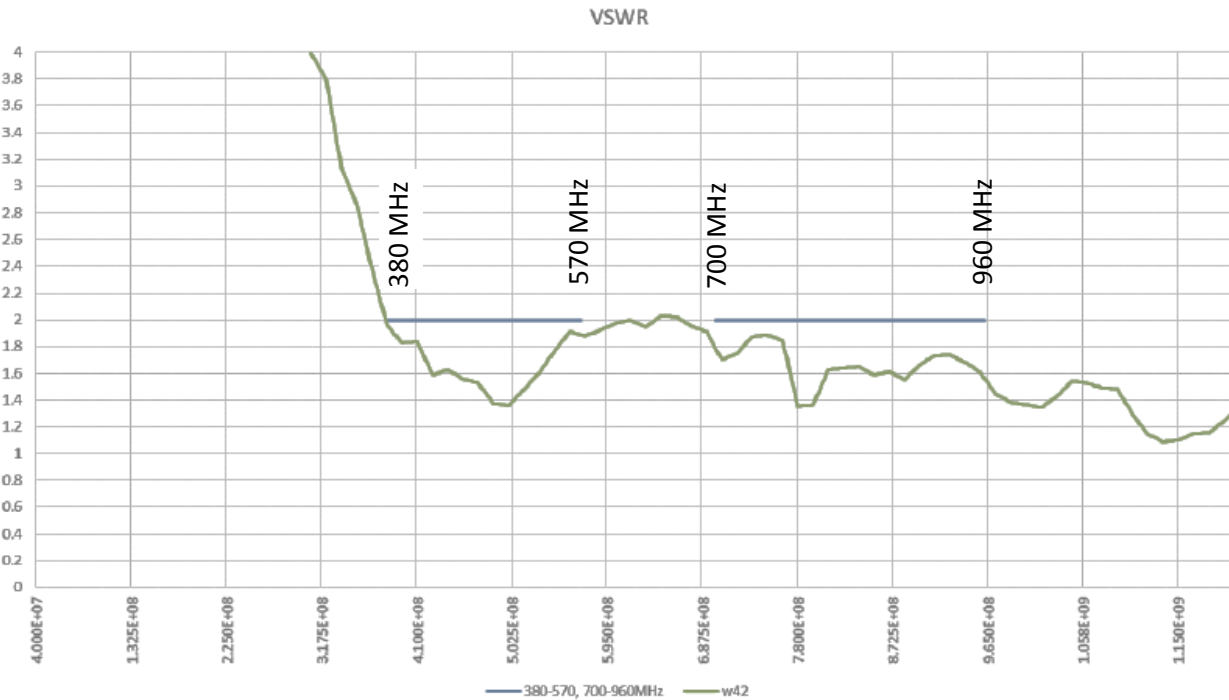
ENVIRONMENTAL SPECIFICATIONS	
OPERATION TEMPERATURE	0 to 70 ° C
DROP TEST	1 meter

MECHANICAL SPECIFICATIONS	
COLOR	White
SIZE	311 mm (diameter) * 9.5 mm below ceiling
WEIGHT	560 g
FIXING SYSTEM	Plastic Nut; Provided.

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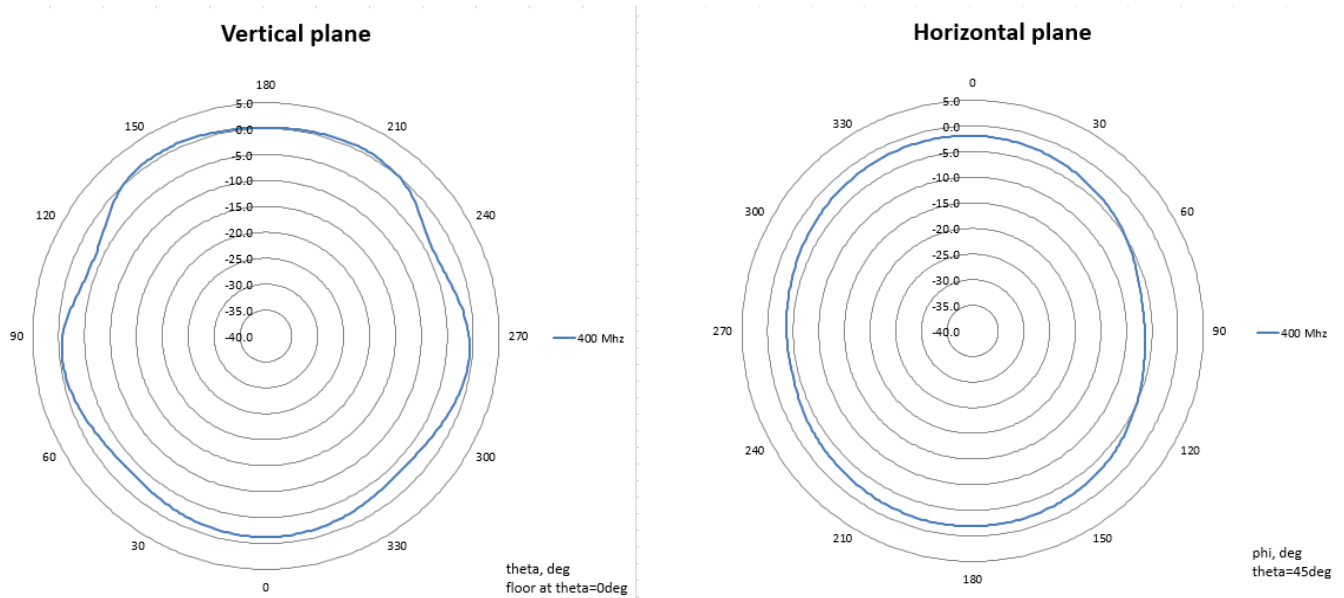


## Clarity® Pearl In-Building Public Safety Antenna

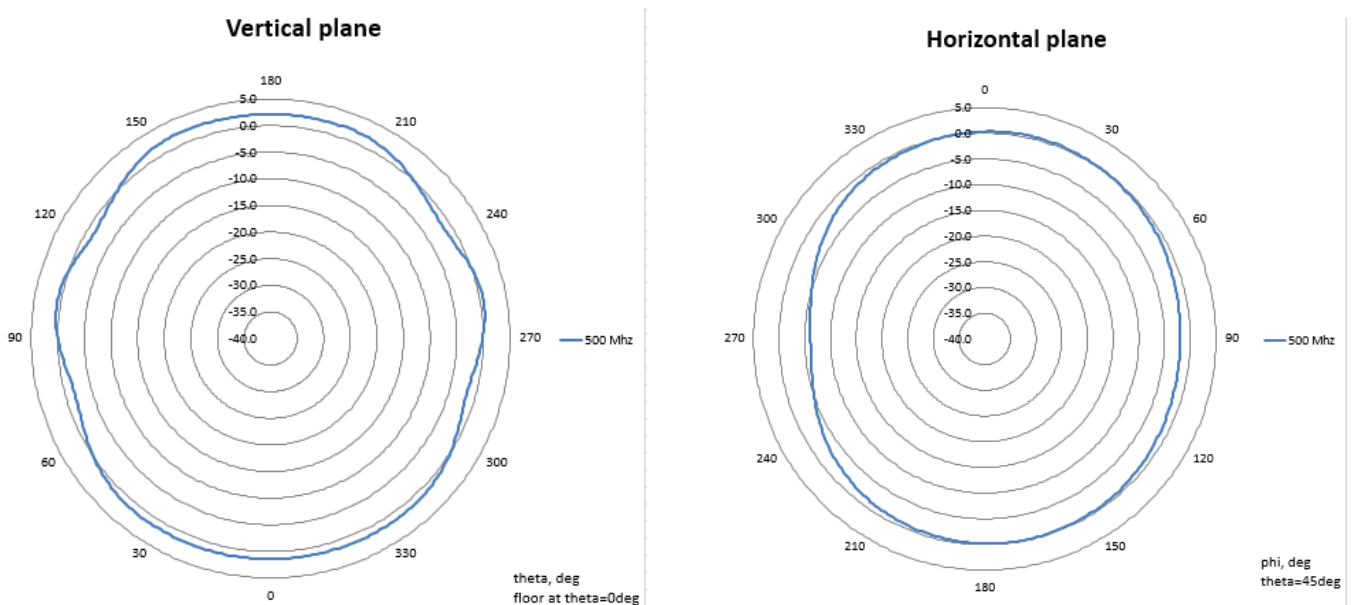
UHF + 700/800/900 MHz

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### Gain Pattern 400 MHz



### Gain Pattern 500 MHz

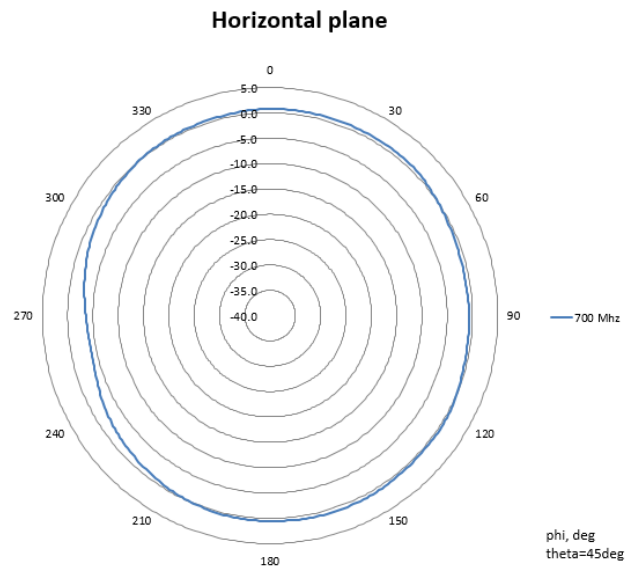
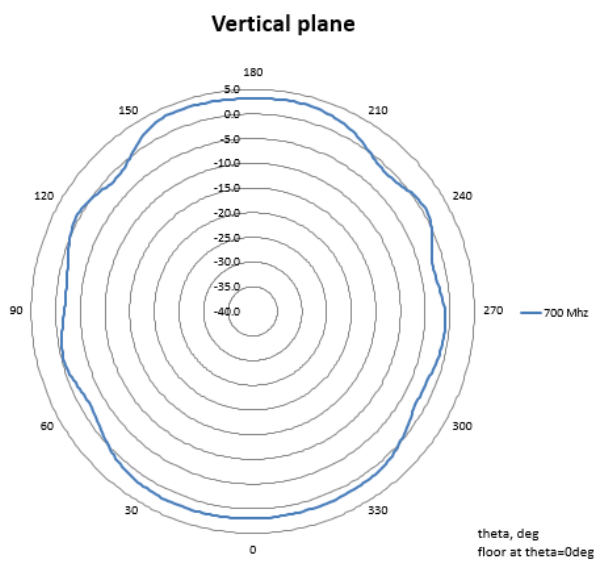


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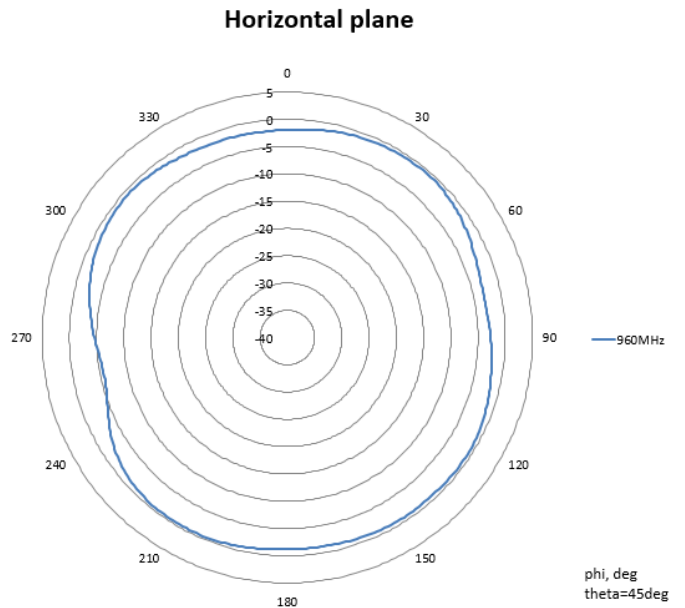
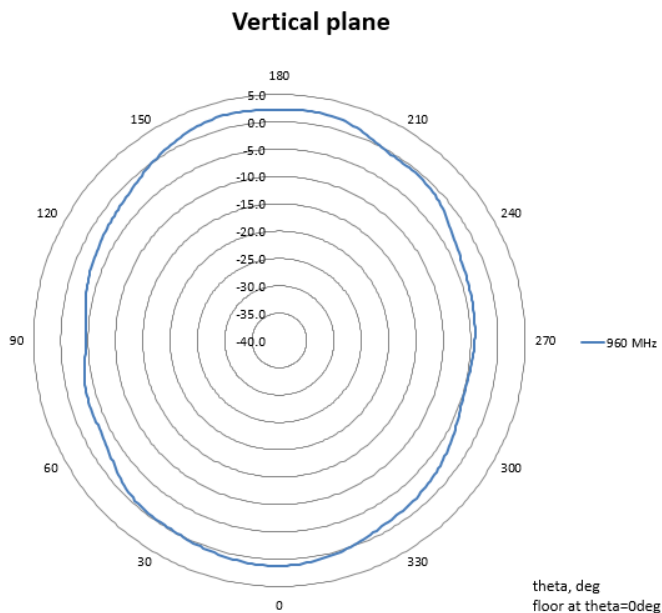
UHF + 700/800/900 MHz

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### Gain Pattern 700 MHz



### Gain Pattern 960 MHz

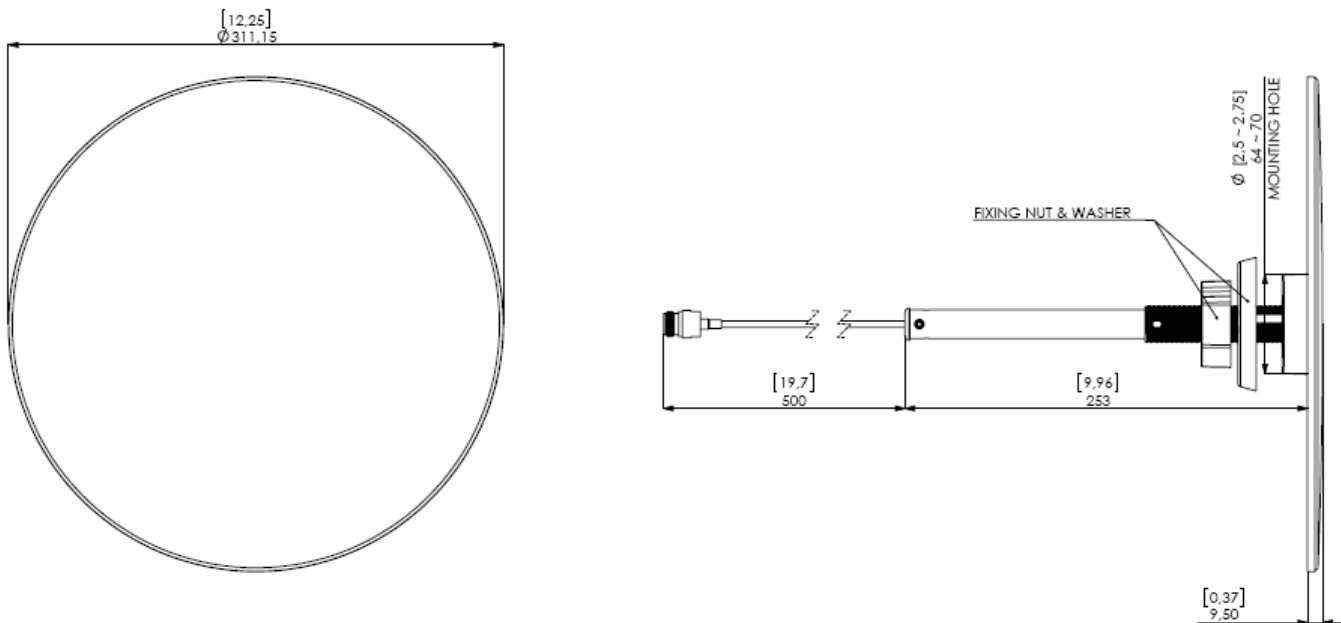


## Clarity® Pearl In-Building Public Safety Antenna

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### Mechanical Details:



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