UHF - 4.5dBi

The Laser Clear® transparent antenna is an innovation bought about by the need for discreet and high performance antennas used on wireless communication systems.

Since its original conception as a UHF (460MHz) antenna for unmarked police vehicles, this planar and transparent antenna, designed to be mounted inside of the glass, has been engineered to give exceptional broad-band performance. The design can be adapted to any 30MHz bandwidth in the 390 ~ 520MHz frequency band.

Its patented construction uses a conductive element on a clear and flexible substrate. The geometrical pattern gives a gain of 4.5dBi yet with omni-directional and dual polarisation.

“*If you haven’t seen our Laser Clear products, then we’ve done a good job*”

**TRANSPARENT**

hence virtually invisible. Using our patented and proprietary manufacturing procedure, which forms a conductive circuit on a clear polyester backing.

**THEFT & VANDAL PROOF**

being mounted on the inside of the windshield there is no opportunity for theft or vandalism. No problems with wind noise or car wash problems.

**EXCELLENT PERFORMANCE**

compared to currently available “on-glass” wire antennas, superior performance is achieved through the geometry of the printed circuit artwork and the direct connection of the antenna to the coaxial cable as against the through-glass capacitive coupling used by external “on-glass” antennas.

**MULTI FUNCTION**

the versatility of this antenna has found its way into a multitude of applications including but not limited to ~ trunking radio systems, Citizens Band Radio, data-monitoring stations, vehicle tracking.
Quality Transparent Antennas

**Laser Clear**

**Specifications**

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**Electrical**

- **Radiator:** 2 x full-wave loop with common center element.
- **Bandwidth:** >30MHz
- **Gain:** 4.5dBi
- **VSWR:** <1.2:1 @ Band Centers
- **Polarisation:** Dual (vertical or horizontal)
- **Max Power:** 25watts

**Mechanical**

- **Radiating Element:** Copper plated (10~15um) silver ink track.
- **Substrate:** Clear Polyester/Mylar film (180um).
  - Not affected by UV.
- **Adhesive/Dielectric:** 3M 467 Epoxy. This adhesive gets stronger over time and is not affected by UV.

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**For Further Information**

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www.laser-antenna.com