ANTENNAS DIRECT®
antennas reinvented

CLEARSTREAM 2™

The First in a Series of Compact Highly Efficient Antennas Designed and Optimized for Post 2009 Digital TV Frequencies.

ClearStream™ antennas represent a breakthrough in size and unmatched ultra - efficient design and directionality. Advanced design software allows these 10" X 20" antennas to be smaller and more powerful across the entire UHF DTV spectrum offering consistently high gain. This advancement in antenna efficiency allows up to 98% of the available broadcast signal to actually reach the incoming antenna cable rather than being lost to impedance mismatches. The patented ClearStream™ 2 Tapered-Loop design receives UHF channels and higher level VHF frequencies with a range of up to 50 miles. They are engineered for strength and durability using anodized aluminum for corrosion resistance and are easy to assemble.

The ClearStream™ 2 delivers DTV signals from widely located (spaced) broadcast towers. The C2 offers flexible aiming characteristics with an extremely wide, 70 degree beam-width, while still providing resistance to multi-path interference. The ClearStream™ 2 delivers digitally perfect multiple station signals.

With the efficiency of the C2, you can have the range and power normally found in antennas up to 5 times the size in a compact and attractive form.

CLEARSTREAM 2™

Shown with optional mast and base.

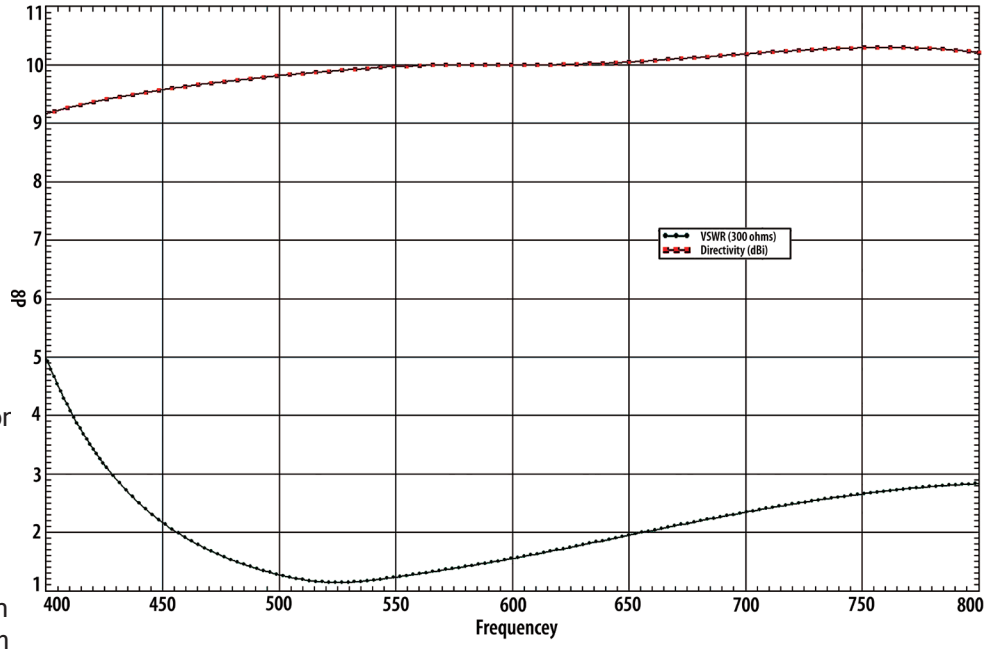
- Beam-width (Horizontal Plane): 470 - 700 MHz: 70 degrees
- VSWR: Typical 2:1 or better; Max 3:1; < 2:1 from 470 to 700 MHz.
- Front to back ratio: Max 22 dBi @ CH 51, typical 20 dBi
- Directivity: Min 9.7 dBi @ CH 14 Max 10.2 dBi @ CH 51
- Size assembled: 20"L x 10"W x 5"D

SKU #	Master Carton	Item Description	Dealer Cost	Retail
C2	10	ClearSteam™ 2 Long Range DTV Antenna		$99.99

Performance

ClearStream™ 2 Gain and VSWR vs. Frequency

Gain is a measure of an antenna's ability to concentrate radiated power from a particular direction. Unlike other antennas that claim high peak values, the gain of the C2 is not only extremely high but, it is nearly uniform across the UHF DTV spectrum.

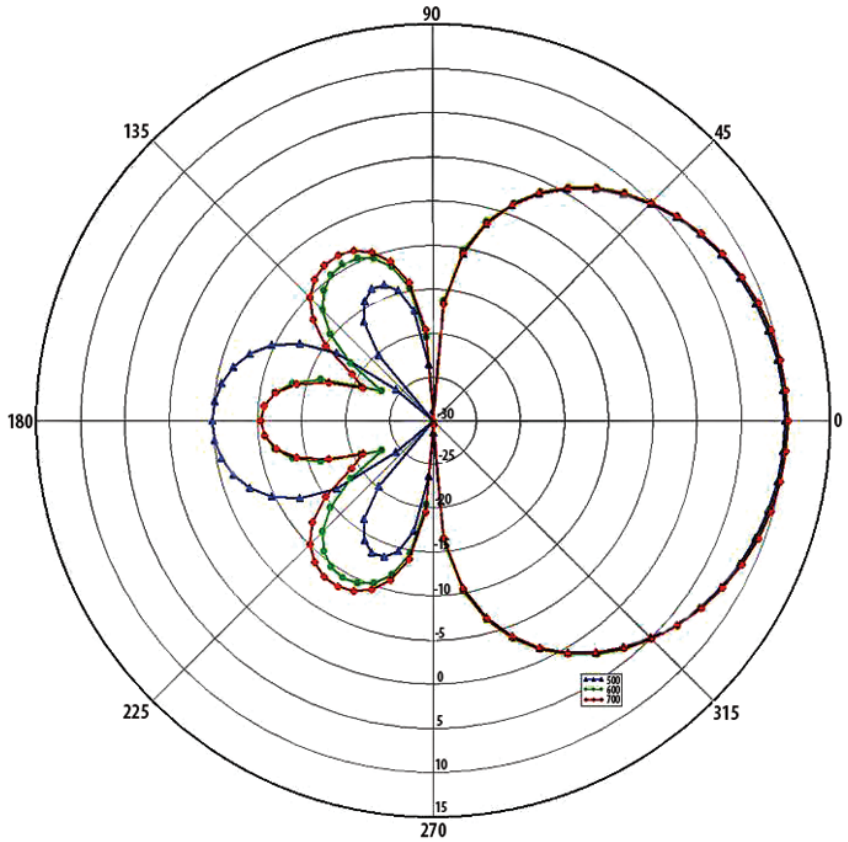


VSWR (Voltage Standing Wave Ratio)

This method is used to compute losses fror impedance mismatches. The lower the number, the better. If the VSWR = 1 then there is no loss.
The efficiency value of an antenna defines how much signal received by the antenna actually makes it to the cable. The C2 is an extremely efficient antenna. At it's optimum frequency, the mismatch loss for the C2 is very low (less than .1dB).

ClearStream™ 2 Horizontal Plane Reception Patterns

The ClearStream™ 2 has very forgiving aiming characteristics with more than 70 degrees of beamwidth across the primary frontal lobe as well as a powerful seconda rear lobe. This allows the C2 to receive sig from mutiple directions with a single fixed installation.



Helpful Tips:

- If your cable run is greater than 75' a pre-amplifier may be required.
- UHF signals are line-of-sight. Get as much elevation as practical.
- Attic installations will cut 40% - 50% of your signal strength.
- KEEP ANTENNA AWAY FROM POWER LINES.