

# ClearLink® Low Band Donor Panel Antenna

## Indoor/Outdoor



### Model Numbers

- CS03-724-999  
(Includes Antenna and Mounting Bracket)

### Frequency Range

- 698-940 MHz

### Applications

- Ideal for high isolation outdoor donor site applications
- Supports 698 to 940 MHz (700 LTE, 700PS, 800SMR, 800PS & 850)
- Public Safety, 3G - 4G DAS systems
- WCDMA/HSPA and LTE applications



Model CS03-724-999

### Electrical Specifications

Frequency Band (MHz)	698-793	792-862	806-940
Gain, average [dBi]	14.8	15.5	16.0
Gain, Over All Tilts [dBi]	14.8±0.5	15.5±0.5	16.0±0.5
Azimuth Beamwidth [°]	30.0±3.0	28.0±3.0	26.0±3.0
Elevation Beamwidth [°]	30.0±3.0	28.0±3.0	26.0±3.0
Electrical Downtilt [°]	0°	0°	0°
Elevation Downtilt Deviation [°]	1.5	1.5	1.5
Front-to-Back Ratio, Total Power, ±30° [dB]	38	37	36
Cross Polar Discrimination Over Sector [dB]	N/A	N/A	N/A
Cross Polar Discrimination Over 3dB Azimuth Beamwidth [dB]	20	20	20
First Upper Side Lobe Suppression [dB]	25	25	25
Upper Side Lobe Suppression [dB]	25	25	25
Polarization [°]	Vertical	Vertical	Vertical
Impedance [Ω]	50	50	50
VSWR	< 1.4:1	< 1.4:1	< 1.4:1
Return Loss [dB]	< -15.5	< -15.5	< -15.5
Passive Intermodulation [dBc]	< -153	< -153	< -153
Maximum Effective Power Per Port [W]	150	150	150

### Mechanical Specifications

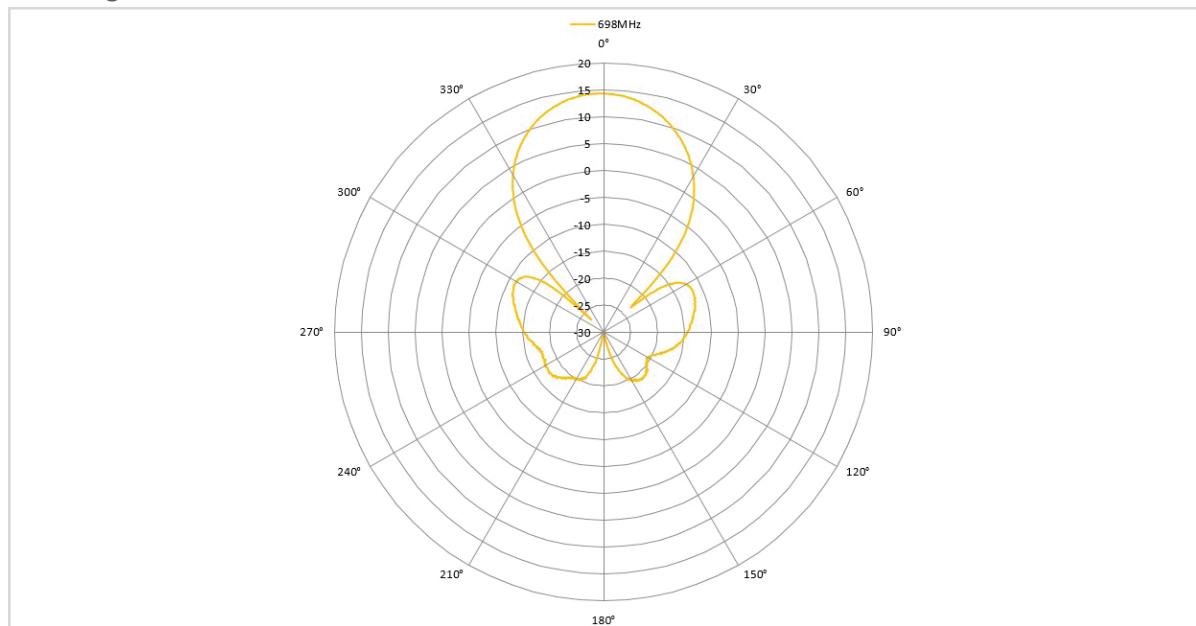
Antenna Dimensions: Length, Width, Depth [mm]	700 x 700 x 150 (27.5" x 27.5" x 6.5")
Packing Size: Length, Width, Depth [mm]	800 x 800 x 200 (31.5" x 31.5" x 8")
Net Weight (antenna) [kg]	8.0 (17.5 lb)
Net Weight (mount) [kg]	5.5 (12.0 lb)
Shipping Weight [kg]	15 (33.0 lb)
Connector Type	4.3/10 long neck
Connector Quantity	1
Connector Position	Rear-(Bottom Left)
Windload, Calculation [km/h]	150 (93.2 mph)
Windload, Maximum [N]	608 (137lbf)
Windload, Frontal [N]	552 (124 lbf)
Windload, Lateral [N]	66 (15 lbf)
Survival Wind Speed [km/h]	273 (170 mph)
Radome Material	Fiber Glass
Radome Color (RAL)	Light gray
Product Environmental Compliance	RoHS
Mounting Bracket Elevation Tilt Range	+/- 15deg
Mounting Bracket Location	Center

All specifications subject to change without notice.

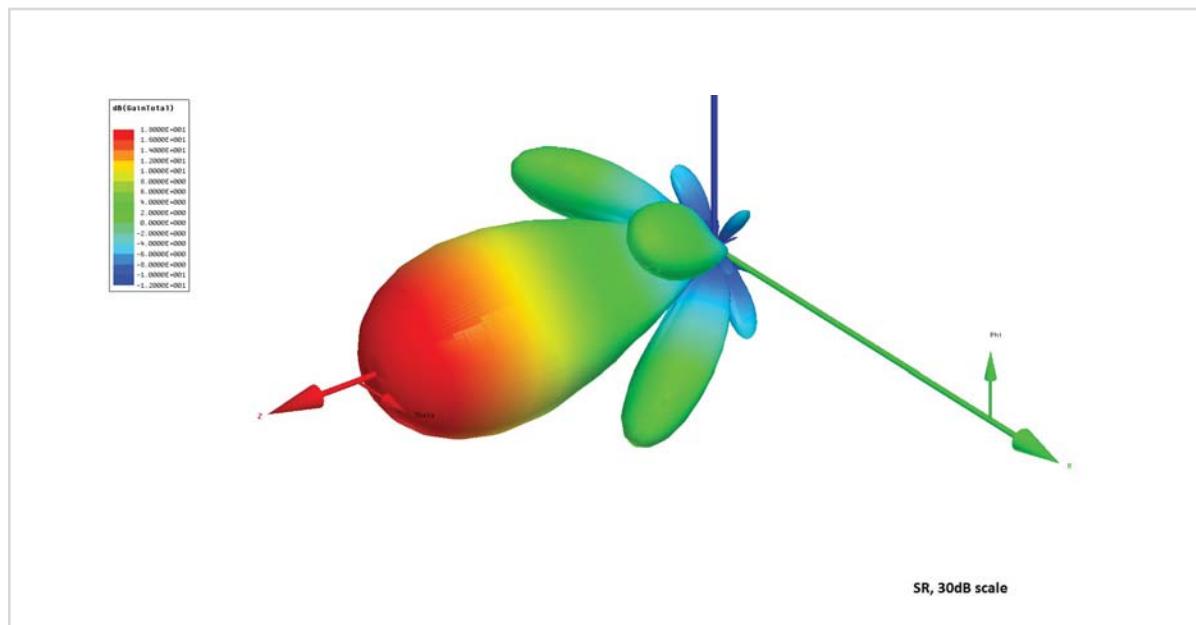
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## Drawings



SR-AZ-Polar-F1



SR-3D-Front-30



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