ClearLink® High-Band Donor Panel Antenna

Indoor/Outdoor

Model Number

CS03-725-999

Includes Antenna and Mounting Bracket

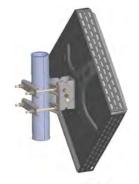
Frequency Range

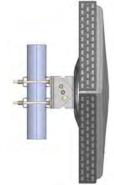
1710-2690 MHz

Applications

- Ideal for high-isolation outdoor donor site applications
- Supports 1900 PCS, 2100 AWS, 2300 WCS & 2600 BRS
- WCDMA/HSPA and LTE applications







ELECTRICAL SPECIFICATIONS

Frequency Range [MHz]	1710—1880	1850—1995	1920-2170	2300-2500	2500-2690
Gain, average [dBi]	18.5	20.0	21.0	23.4	23.0
Gain, Over All Tilts [dBi]	18.5±1.0	20.0±1.0	21.0±1.0	23.4±1.0	23.0±1.0
Azimuth Beamwidth [°]	17.0±0.5	15.5±0.5	14.7±0.7	13.2±0.3	11.5±0.5
Elevation Beamwidth [o]	16.0±0.5	14.7±0.7	13.7±0.7	12.0±0.5	10.7±0.5
Electrical Downtilt [°]			0∘		
Elevation Downtilt Deviation [o]	1.6	1.5	1.4	1.3	1.2
Front-to-Back Ratio [dB]	40	42	42	38	36
Cross Polar Discrimination Over Sector [dB]	N/A	N/A	N/A	N/A	N/A
Cross Polar Discrimination Over	30	30	25	20	20
3dB Azimuth Beamwidth [dB]					
Upper Side Lobe Suppression [dB]	25	25	25	19	18
Azimuth Side Lobe Suppression [dB]	22	22	22	23	21
Polarization [°]	Vertical				
Impedance $[\Omega]$	50				
VSWR	< 1.5:1				
Return Loss [dB]			< -14.0		
Passive Intermodulation [dBc]	< -153				
Maximum Effective Power [W]			150		



Page 1 of 2 WESTELL.COM

ClearLink® High-Band Donor Panel Antenna Indoor/Outdoor



MECHANICAL SPECIFICATIONS

Antenna Dimensions: L x W x H [mm]

Packing Size: L x W x H [mm]

Net Weight (antenna) [kg] Net Weight (mount) [kg]

Connector Type Connector Quantity Connector Position

Windload, Calculation [km/h]
Windload, Maximum [N]
Windload, Frontal [N]

Windload, Lateral [N]

Survival Wind Speed [km/h]

Radome Material
Radome Color [RAL]

Product Environmental Compliance
Mounting Bracket Elevation Tilt Range

Mounting Bracket Location

600 x 600 x 114

(23.6" x 23.6" x 4.5")

750 x 750 x 200

(29.5" x 29.5" x 8")

5.9 (13.0 lb)

5.5 (12.0 lb)

4.3/10 long neck

1

Rear-(Bottom Left)

150 (93.2 mph)

445 (100 lbf)

398 (89 lbf)

18 (4 lbf)

273 (170 mph)

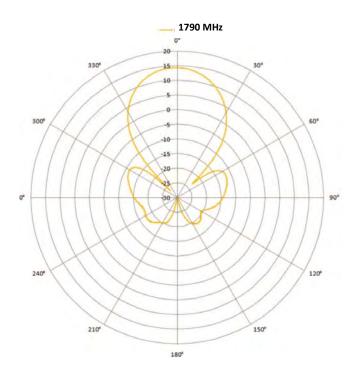
FiberGlass

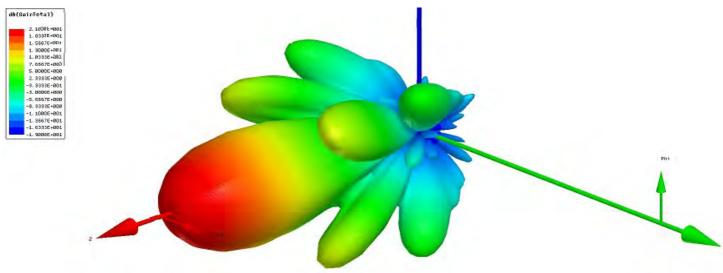
Light gray RoHS

.

+/- 15deg

Center







Page 2 of 2

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