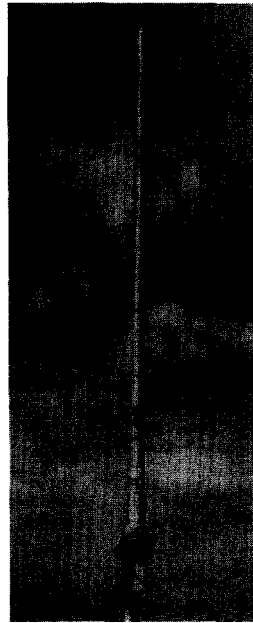


The Datenna™ Broadband Wireless Antenna family contains a full complement of antenna types including omni, directional, flat panels and log periodics.

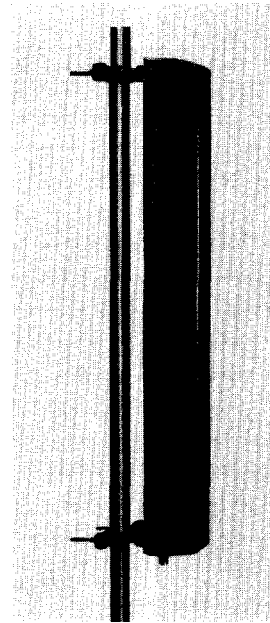
- Precise design optimized for digital data management.
- Horizontal and vertical polarization options.
- Leading edge design and construction for highly reliable antennas with outstanding pattern shape and control.
- Dual Band MDS /MMDS performance available on log periodic antennas.
- Broad Band 2.1-2.7 GHz performance available.

Ordering Information

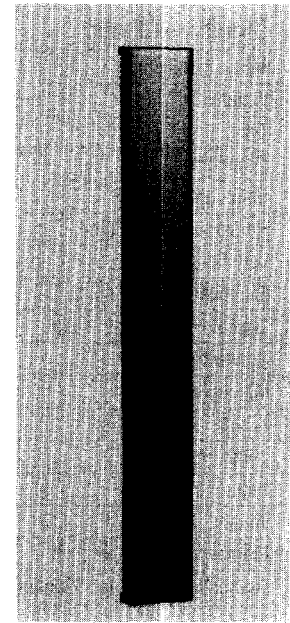
- Optional DB5098 downtilt kits are available for all panels and log periodics. The DB5095 downtilt kit with stainless steel band clamps may be used with some models.
- For azimuth antenna rotation order DB5094-AZ mounting kit.
- Optional "N" female connectors available with panel and log models.
- Lightning Protection – all metal parts are grounded.
- VSWR = 1.4:1



DB910



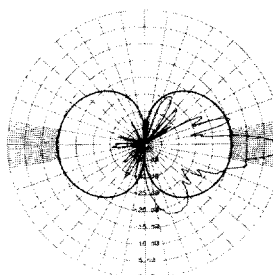
DB948



DB980

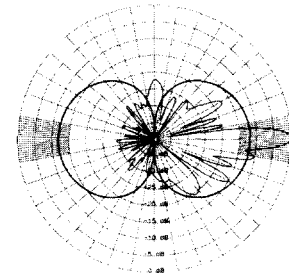
Datenna Broadband Wireless Antennas

980HF70T2E-W Panel



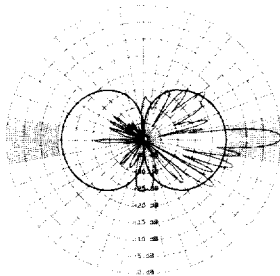
Vertical

980HF115T2E-W Panel

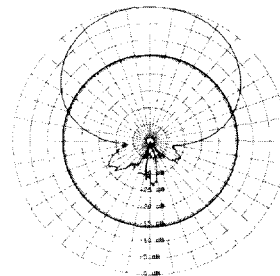


Vertical

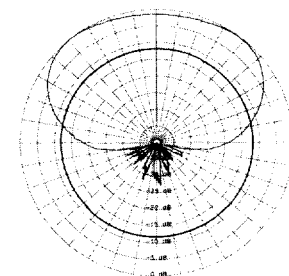
DB980G65N-S Panel



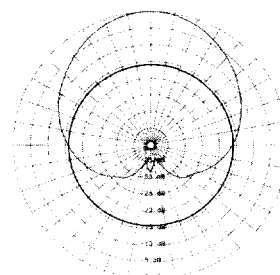
Vertical



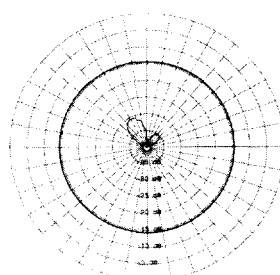
Horizontal



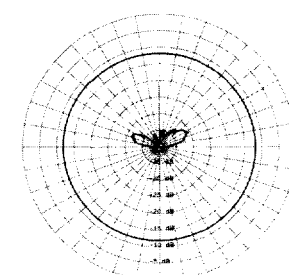
Horizontal



Horizontal



Cross-Polar



Cross-Polar



>2 GHz

Datenna™ Broadband Wireless Antennas

6-15.9 dBd gain

Antennas

BROADBAND WIRELESS

Directional Panel

Model Number	DB980F65N-S	DB980G65N-S	DB977H90N-S	DB973G90-SR
Frequency	2300 - 2500	2300 - 2500	2300 - 2500	2100 - 2700
Type	Panel	Panel	Panel	Panel
Polarization	Vertical	Vertical	Vertical	Vertical
Gain: dBd (dBi)	15.2 (17.3)	16 (18.1)	14 (16.1)	7.9 (10.0)
Horizontal Beamwidth	65°	65°	90°	90°
Vertical Beamwidth	7°	6°	7°	35°
Electrical Downtilt	0°	0°	0°	0°
Typical Front-to-Back Ratio	30 dB	30 dB	23 dB	23 dB
Connector	N-Female	N-Female	N-Female	N-Female
Max Input Power	250W	250W	250W	50W
Length: in. (mm)	42 (1067)	42 (1067)	42 (1067)	8 (203)
Width: in. (mm)	6.3 (160)	6.3 (160)	6.3 (160)	3 (76)
Depth: in. (mm)	3 (76)	3 (76)	3 (76)	2.8 (71)
Weight: lbs. (Kg)	7.5 (3.4)	7.5 (3.4)	7.5 (3.4)	1.5 (0.68)
Frontal Wind Area: ft² (m²)	1.8 (0.17)	1.8 (0.17)	1.8 (0.17)	0.16 (0.01)
Frontal Wind Load (at 100mph)	72 lbf (320N) 32.2 kp	72 lbf (320N) 32.2 kp	72 lbf (320N) 32.2 kp	6 lbf (28N) 3 kp

Directional Panel Continued

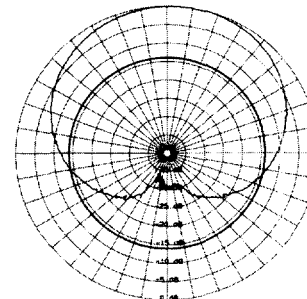
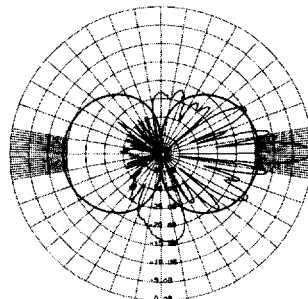
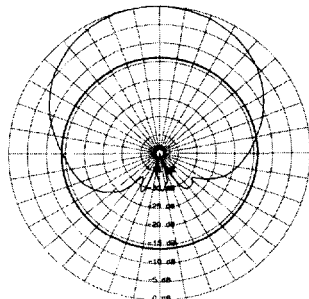
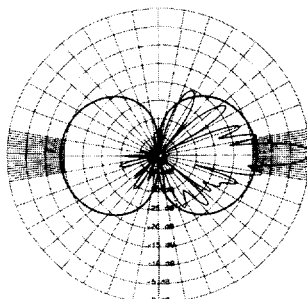
Model Number	980HF70T2E-W	DB978HG65E-R	DB978HG85E-R	978HG85EF-R	980HF115T2EW
Frequency	3400 - 3600	2400 - 2700	2400 - 2700	2400 - 2700	3400 - 3600
Type	Panel	Panel	Panel	Panel	Panel
Polarization	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Gain: dBd (dBi)	13.9 (16.0)	15 (17.1)	14 (16.1)	14 (16.1)	11.9 (14.0)
Horizontal Beamwidth	70°	65°	85°	85°	115°
Vertical Beamwidth	7.5°	7°	7°	7°	7.5°
Electrical Downtilt	-2°	0°	0°	0°	-2°
Typical Front-to-Back Ratio	25 dB	23 dB	23 dB	35 dB	25 dB
Connector	7/16 DIN	7/16 DIN	7/16 DIN	7/16 DIN	7/16 DIN
Max Input Power	50W	200W	200W	200W	50W
Length: in. (mm)	28 (711)	37 (940)	37 (940)	36 (914)	28 (711)
Width: in. (mm)	6 (152)	6 (152)	6 (152)	12 (305)	9 (229)
Depth: in. (mm)	3 (76)	2.5 (64)	2.5 (64)	3 (76)	3 (76)
Weight: lbs. (Kg)	7 (3.2)	5 (2.3)	5 (2.3)	10 (4.5)	7 (3.2)
Frontal Wind Area: ft² (m²)	1.2 (0.11)	1.5 (0.14)	1.5 (0.14)	3 (0.28)	1.8 (0.16)
Frontal Wind Load (at 100mph)	48 lbf (214N) 21.6 kp	60 lbf (267N) 27 kp	60 lbf (267N) 27 kp	120 lbf (534N) 53.9 kp	70 lbf (311N) 31 kp

Vertical

Horizontal

Vertical

Horizontal

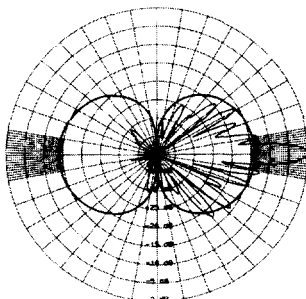
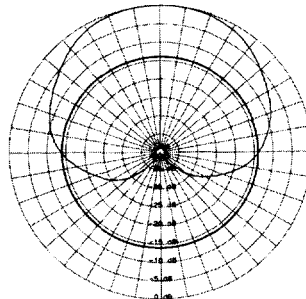
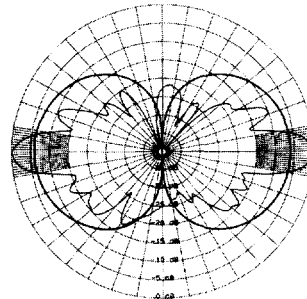
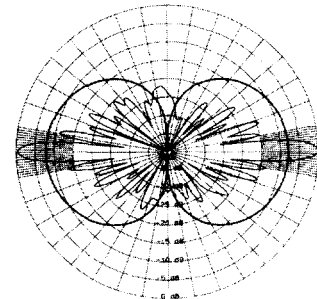
DB978HG85-R
PanelDB977H90N-S
Panel

Directional Log Periodic

Model Number	DB948G65E-R	DB948G85E-R	DB950G85E-RR	DB948G85E-DR
Frequency	2400 - 2700	2400 - 2700	2150 - 2162	2150 - 2162, 2500 - 2700
Type	Hybrid Log	Hybrid Log	Hybrid Log	Hybrid Log
Polarization	Vertical	Vertical	Vertical	Vertical
Gain: dBd (dBi)	15 (17.1)	14 (16.1)	16 (18.1)	14 (16.1)
Horizontal Beamwidth	65°	85°	85°	85°
Vertical Beamwidth	7°	7°	5°	7°
Electrical Downtilt	0°	0°	0°	0°
Typical Front-to-Back Ratio	40 dB	40 dB	40 dB	40 dB
Connector	7/16 DIN	7/16 DIN	7/16 DIN	7/16 DIN
Max Input Power	250W	250W	250W	200W
Length: in. (mm)	37 (940)	36.5 (927)	59 (1499)	36.5 (927)
Width: in. (mm)	10 (254)	2.75 (70)	6.5 (165)	2.75 (70)
Depth: in. (mm)	7 (178)	6.9 (175)	5.6 (142)	6.9 (175)
Weight: lbs. (Kg)	8.5 (3.9)	6 (2.7)	10.5 (4.8)	7 (3.2)
Frontal Wind Area: ft² (m²)	1.2 (0.11)	0.7 (0.07)	2.7 (0.25)	0.7 (0.07)
Lateral Wind Area: ft² (m²)	2.2 (0.20)	1.7 (0.16)	2.3 (0.21)	1.7 (0.16)
Frontal Wind Load (at 100mph)	50 lbf (222N) 22.5 kp	28 lbf (125N) 12.6 kp	108 lbf (480N) 48.5 kp	28 lbf (125N) 12.6 kp
Lateral Wind Load (at 100 mph)	87 lbf (388N) 40 kp	68 lbf (302N) 30.5kp	92 lbf (409N) 41.3 kp	68 lbf (302N) 31kp

Diversity Polarization

Model Number	DB928DG90ESA	DB924HV65ESA	Omni		
Frequency	2300 - 2400	2300 - 2400	DB910SN-W 3400 - 3600	DB906SN-T 2400 - 2483	DB906SN-P 2130 - 2200
Type	Diversity	Diversity	Omni	Omni	Omni
Polarization	+45°/-45°	Vert/Horiz	Vertical	Vertical	Vertical
Gain: dBd (dBi)	14.4 (16.5)	12.3 (14.4)	7.9 (10.0)	6 (8.1)	6 (8.1)
Horizontal Beamwidth	90°	65°	360°	360°	360°
Vertical Beamwidth	10°	15°	7°	15°	15°
Electrical Downtilt	0°	0°	0°	0°	0°
Typical Front-to-Back Ratio	23 dB	23 dB	N/A	N/A	N/A
Connector	7/16 DIN	7/16 DIN	N-Female	N-Female	N-Female
Max Input Power	250W	250W	150W	400W	250W
Length: in. (mm)	27.5 (699)	24 (610)	39 (991)	31 (787)	24 (610)
Width: in. (mm)	7.5 (191)	6.1 (155)	1 (25)	1.5 (38)	1.5 (38)
Depth: in. (mm)	3 (76)	2.8 (71)	N/A	N/A	N/A
Weight: lbs. (Kg)	7 (3.2)	6.7 (3.0)	1 (0.45)	5 (2.3)	5 (2.3)
Frontal Wind Area: ft² (m²)	1.4 (0.13)	1 (0.09)	0.18 (0.02)	0.27 (0.03)	0.17 (0.02)
Frontal Wind Load (at 100mph)	56 lbf (249N) 25.2 kp	40 lbf (178N) 18 kp	7.3 lbf (32N) 3.2 kp	10.8 lbf (48N) 4.9 kp	6.8 lbf (30N) 3.2 kp

Vertical

**DB948G65E-R
Log Periodic**
Horizontal

Vertical

**DB906SN-T
Omni**
Vertical

**DB910SN-W
Omni**