

The dB Director Log Periodic Antenna Family is engineered to provide the best possible coverage control for today's complex digital systems.

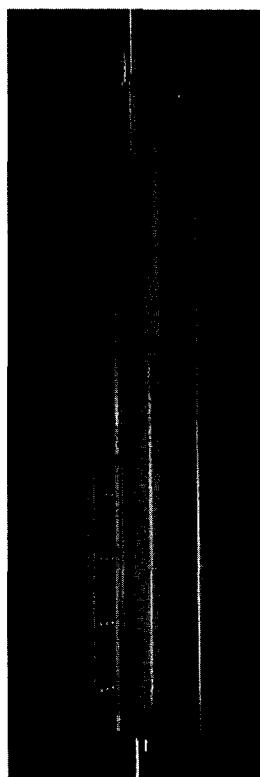
- Reduce co-channel interference.
- Provide exact coverage penetration.
- Integrated phasing and array structure in a single circuit.
- No uncontrolled fasteners, mechanical screws, or rivets in RF current path.
- Pattern shaping options:
 - **Max Gain™** – focused gain on the horizon.
 - **Max Fill™** – excellent USLS of 18 dB and null fill of 11 to 12 dB.
- Outstanding "cone of silence" and front to back ratio of 40 dB, typical.
- Excellent control of intermodulation, IM3-147 dBc.
- Available in a wide range of gains and beam shapes.
- Slim profile for outstanding reduction of wind load.

Ordering Information: "G" indicates "Max Gain™", "F" indicates "Max Fill™". Max Fill™ antenna gain is typically down 0.5 to 0.7dB from Max Gain™. All antennas above are standard with 7/16 DIN connectors, bottom mounted.

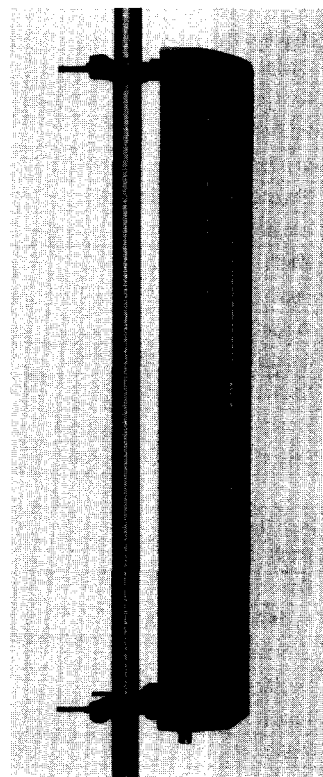
Frequency Designations: M-1850-1990, KL-1710-1880.

Mounting:

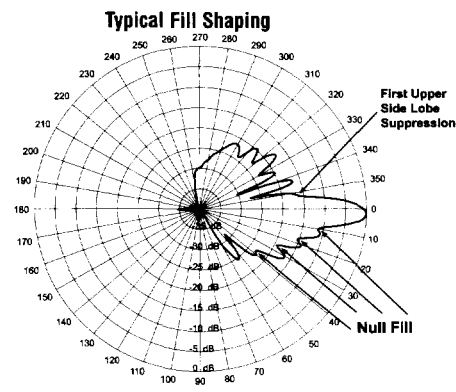
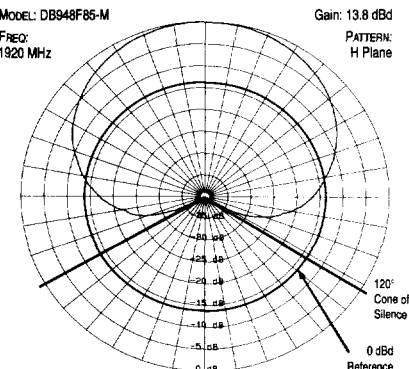
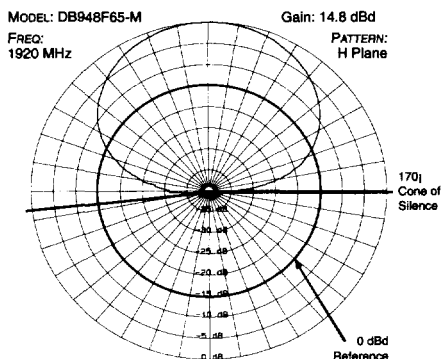
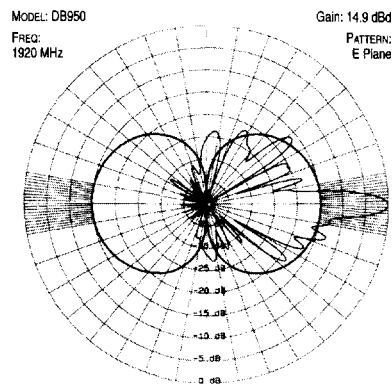
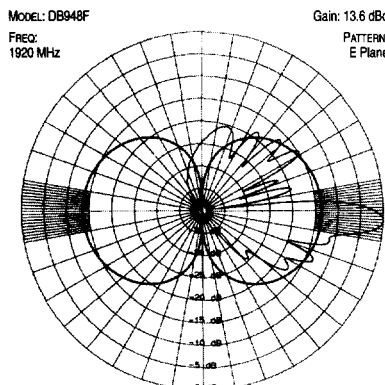
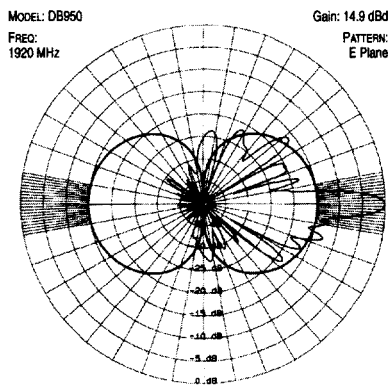
- DB390 Pipe mount kit (included).
- DB5098 Downtilt Bracket (optional).



DB950G65



DB948F85





806 - 960 MHz

DB Director™ Log Periodic Antenna

DB948, DB950

Medium Gain	MaxGain®	MaxFill®	MaxGain®	MaxFill®	MaxGain®
Model Number	DB948G40	DB948F65	DB948G65	DB948F85	DB948G85
Gain: dbd (dBi)	17.5 (19.6)	15.1 (17.2)	15.5 (17.6)	14 (16.1)	14.8 (16.9)
Horizontal Beamwidth	40°	65°	65°	85°	85°
Vertical Beamwidth	7°	8°	7°	8°	7°
Electrical Downtilt Options	0°	0°, 2°, 4°	0°, 4°	0°, 2°, 4°	0°, 4°
Length: in. (mm)	48.5 (1232)	48.5 (1232)	48.5 (1232)	48.5 (1232)	48.5 (1232)
Width: in. (mm)	11 (279)	10.5 (267)	10.5 (267)	3.5 (89)	3.5 (89)
Depth: in. (mm)	7.8 (198)	7 (178)	6.5 (165)	6.9 (175)	6.5 (165)
Weight: lbs. (Kg)	17 (7.7)	14 (6.4)	14 (6.4)	8.5 (3.9)	8.5 (3.9)
Frontal Wind Area: ft² (m²)	3.7 (0.34)	3.5 (0.33)	3.5 (0.33)	1.2 (0.11)	1.2 (0.11)
Lateral Wind Area: ft² (m²)	2.6 (0.24)	2.4 (0.22)	2.2 (0.20)	2.3 (0.21)	2.2 (0.20)
Frontal Wind Load (at 100mph)	148 lbf (658N) 66.5 kp	140 lbf (623N) 62.9 kp	140 lbf (623N) 62.9 kp	48 lbf (214N) 21.6 kp	48 lbf (214N) 21.6 kp
Lateral Wind Load (at 100mph)	104 lbf (463N) 46.7 kp	96 lbf (427N) 43.1 kp	88 lbf (391N) 93.5 kp	92 lbf (409N) 41.3 kp	88 lbf (391N) 39.5 kp
High Gain	MaxGain®	MaxFill®	MaxGain®	MaxFill®	MaxGain®
Model Number	DB950G40	DB950F65	DB950G65	DB950F85	DB950G85
Gain: dbd (dBi)	19 (21.1)	16.1 (18.2)	16.6 (18.7)	14.9 (17.0)	15.9 (18.0)
Horizontal Beamwidth	40°	65°	65°	85°	85°
Vertical Beamwidth	5.5°	6.5°	5.5°	6.5°	5.5°
Electrical Downtilt Options	0°	0°, 2°, 4°	0°	0°, 2°, 4°	0°
Length: in. (mm)	60 (1524)	60 (1524)	60 (1524)	60 (1524)	60 (1524)
Width: in. (mm)	11 (279)	10.5 (267)	10.5 (267)	3.5 (89)	3.5 (89)
Depth: in. (mm)	7.8 (198)	7 (178)	7 (178)	6.9 (175)	6.9 (175)
Weight: lbs. (Kg)	20 (9.1)	15 (6.8)	15 (6.8)	10.5 (4.8)	10.5 (4.8)
Frontal Wind Area: ft² (m²)	4.6 (0.43)	4.4 (0.41)	4.4 (0.41)	1.5 (0.14)	1.5 (0.14)
Lateral Wind Area: ft² (m²)	3.3 (0.30)	2.9 (0.27)	2.9 (0.27)	2.9 (0.27)	2.9 (0.27)
Frontal Wind Load (at 100mph)	184 lbf (818N) 82.7 kp	176 lbf (783N) 79.1 kp	176 lbf (783N) 79.1 kp	60 lbf (267N) 27.0 kp	60 lbf (267N) 27.0 kp
Lateral Wind Load (at 100mph)	132 lbf (587N) 59.3 kp	116 lbf (516N) 52.1 kp	116 lbf (516N) 52.1 kp	60 lbf (267N) 27.0 kp	60 lbf (267N) 27.0 kp
Other configurations available. Please call Customer Service or your Sales Representative.					

Standard Specifications	KL	M
Frequency Range (MHz)	1710 - 1880	1850 - 1990
Application	GSM 1800	PCS
VSWR	1.4:1	
IM3	150 dBc, typical	
Polarization	Vertical	
Front-to-Back Ratio	40 db, typical	
Max. Input Power	250 Watts	
Lightning Protection	All metal parts grounded	
Connector Options	E: 7/16 DIN, N: Type N-Female	