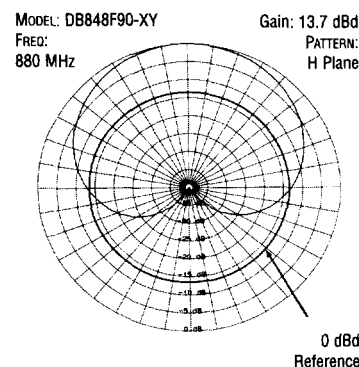
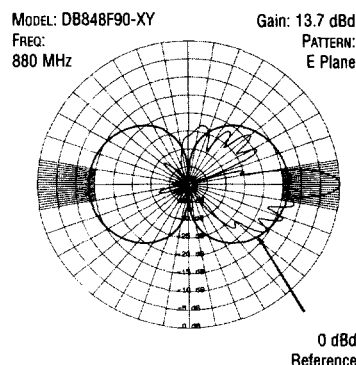
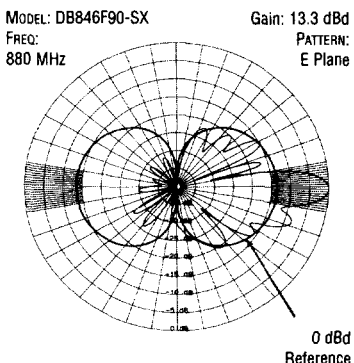
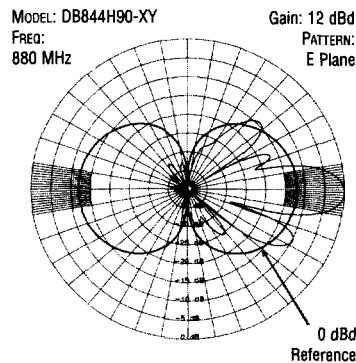
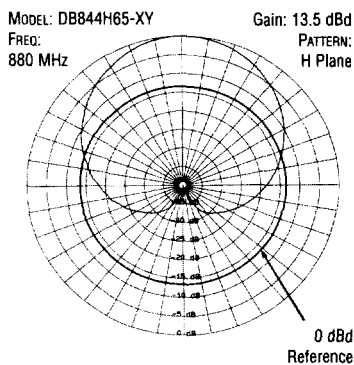
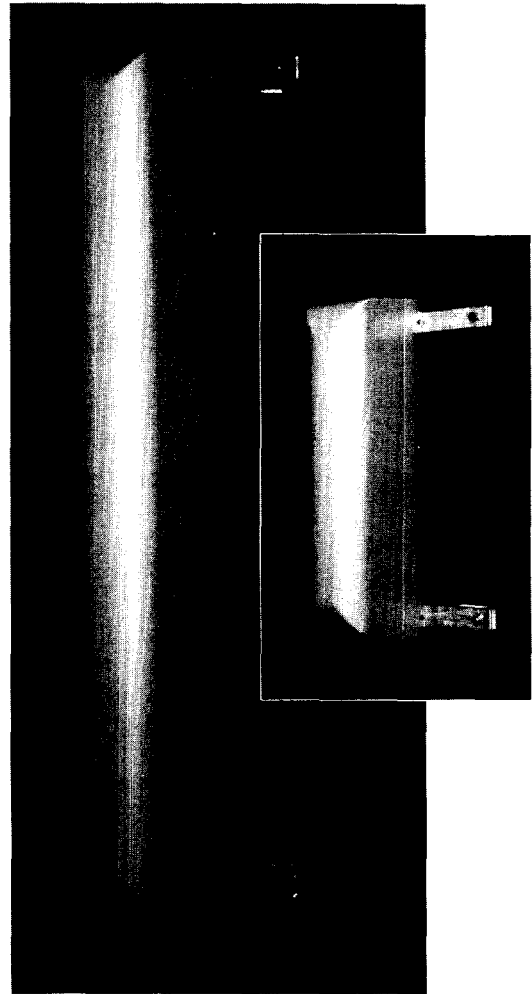


The dB Director™ antenna series is ideal for digital GSM, cellular, and trunking/ESMR applications. They are compact, lightweight, with excellent upper side lobe suppression and unmatched front-to-back ratio of 40 dB.

- **Superior** front-to-back ratio and large RF cone of silence provide excellent minimization of co-channel interference, improved capacity and call quality.
- **Less Wind Loading** – At 8.5 inches deep (216 mm), and 6 inches wide (152 mm).
- **Max Fill™** – Providing outstanding null-fill (12-15 dB) and upper side lobe suppression (15-18 dB).
- **Stringent IM Test** – Each antenna is tested for the absence of IM with 16 carriers at 500 watts of composite power.
- **Sturdy Construction** – Made of high-strength aluminum alloy backs, brass elements and UV resistant ABS plastic radomes. No rivets are used.
- **Outstanding Field Record** – With thousands of units installed all over the world, this family is a proven performer that can be deployed quickly, easily and reliably.

Ordering Information – All models are available with 7/16 DIN connectors. (Optional N Female available some models.) DB380 pipe mount is included. Electrical downtilt is available or for mechanical downtilt, order DB5083 brackets.





806 - 960 MHz

dB Director™ Antenna

DB840 Series, 9-16 dB gain

Electrical DataFrequency: **XY** = 806-960 Mhz**SX** = 806-896 Mhz**SY** = 870-960 Mhz

VSWR – 1.4:1

FB Ratio – >40 dB typical

Max. Power Input – 500 Watts

Nominal Impedance – 50 ohm

Connector – 7/16 DIN, Back Mount-standard; "N" connector – optional on some models

USLS – upper side lobe suppression

Please specify band and connector when ordering.

Ex: DB848 H90E-XY = 806-960 Mhz 7/16 DIN connector (standard)

DB848 H90-SY = 870-960 Mhz, N connector (only some models)

	105°		90°					
Model	DB844H105	DB846H105	DB842H90	DB844H90	DB846H90	DB846F90	DB848H90	DB848F90
Frequency Band (Mhz)	806-896 SX	806-896 SX	806-960 XY	806-960 XY	806-896 SX	806-896 SX	806-960 XY	806-960 XY
Gain (dBd)	11	12.5	9	12	13.5	13.3	14.5	13.7
Horizontal Beamwidth	105°	105°	90°	90°	90°	90°	90°	90°
Vertical Beamwidth	15°	11°	30°	15°	11°	11.5°	7.5°	7.5°
Length	48"	72"	24"	48"	72"	72"	96"	96"
Width	6"	6"	6"	6"	6"	6"	6"	6"
Depth	8.5"	8.5"	8.5"	8.5"	8.5"	8.5"	8.5"	8.5"
Weight (lbs)	10	15	5	10	15	15	28	28
Wind Load (at 100 mph)	80 lbf (356N) 35.9 kp	120 lbf (534N) 53.9 kp	40 lbf (178N) 18 kp	80 lbf (356N) 35.9 kp	120 lbf (534N) 53.9 kp	120 lbf (534N) 53.9 kp	160 lbf (712N) 71.9 kp	160 lbf (712N) 71.9 kp
Pattern Shaping	USL Suppression	USL Suppression	USL Suppression	USL Suppression	MaxFill®	MaxFill®	USL Suppression	MaxFill®
Available Electrical Downtilt	0°	0°	0°	0°, 6°, 8°, 11°, 13°	0°, 5°	0°, 5°	0°, 4°	0°, 5°

	80°		65°				
Model	DB842H80	DB844H80	DB842H65	DB844H65	DB846H65	DB848H65	DB848F65
Frequency Band (Mhz)	806-960 XY	806-960 XY	806-860 XY	806-860 XY	806-896 SX	806-860 XY	806-896 SX
Gain (dBd)	10	13	10.5	13.5	14.5	16	15
Horizontal Beamwidth	80°	80°	65°	65°	65°	65°	65°
Vertical Beamwidth	30°	15°	30°	15°	11°	7.5°	9°
Length	24"	48"	24"	48"	72"	96"	96"
Width	6"	6"	24.5"	24.5"	24.5"	24.5"	24.5"
Depth	8.5"	8.5"	8.5"	8.5"	8.5"	8.5"	8.5"
Weight (lbs)	5	10	9.5	19	25	38	39
Wind Load (at 100 mph)	40 lbf (178N) 18 kp	80 lbf (356N) 35.9 kp	100 lbf (445N) 44.9 kp	200 lbf (890N) 89.9 kp	480 lbf (2135N) 215 kp	640 lbf (2847N) 288 kp	640 lbf (2847N) 288 kp
Pattern Shaping		USL Suppression	USL Suppression	USL Suppression	USL Suppression	USL Suppression	MaxFill®
Available Electrical Downtilt	0°	0°, 6°, 8°, 11°, 13°	0°	0°, 6°, 8°, 11°, 13°	0°	0°, 6°	0°, 5°