



AMPS CELLULAR TRUNKING

806 - 896 MHz

dB Director®

Log Periodic
Antenna



ISO9001 Compliant

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DB848H105ESX

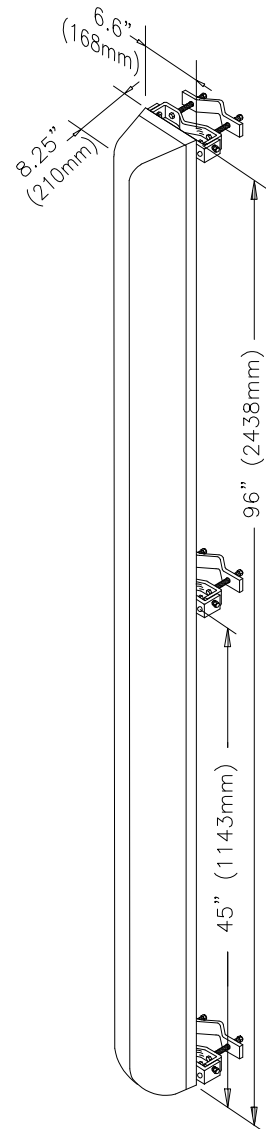
dB Director®, 14 dBd, 105°
Directional Log Periodic Antenna

Electrical Specifications

Model Number	DB848H105ESX
Terminations	7/16 DIN
Frequency Range	806 - 896 MHz
Gain	14 dBd (16.1 dBi)
VSWR	1.4 : 1
Beamwidth (3 dB from max.)	Horizontal: 105° Vertical: 8°
USLS	715 dB
Front-to-Back Ratio	> 40 dB
Polarization	Vertical
Max. Input Power	500 Watts
Application	AMPS, Cellular and Trunking

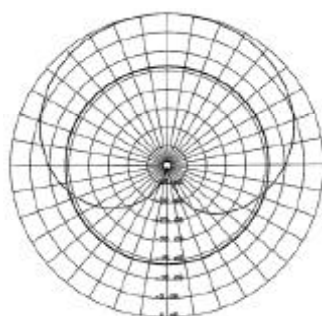
Mechanical Specifications

Weight	28 lbs (12.7 kg)
Wind Area	4.4 ft² (0.41 m²)
Wind Load	Frontal: 176 lbf (783N) 79.8 kp @ 100 mph Lateral: 221 lbf (985N) 100.4 kp @ 100 mph
Max. Wind Speed	125 mph (200 km/h)
Material	Reflectors: Aluminum Back Panel: Passivated Aluminum Radome: ABS, UV Inhibited Mounting Hardware: Galvanized Steel
Color	Normal: Gray
Mounting	DB380-3 pipe mount kit (max. 3.5" OD), Included
Downtilt Bracket (Optional)	DB5083
Weather Protection	Fully protected by metal and ABS.
Lightning Protection	All metal parts are grounded.
Packing Size	15 x 10 x 106 " (38 x 25 x 269 cm)
Shipping Weight	42 lbs (19.1 kg)

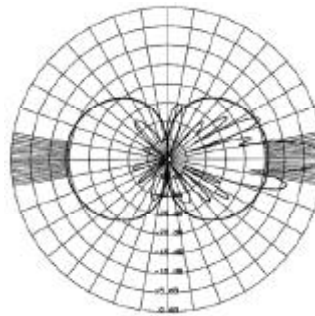


105°

Antenna Patterns



Horizontal



Vertical