DECIBEL PRODUCTS®
An Allen Telecom Company

DB980F90E-M

14.3 dBd, 90° MaxFill™
Panel Antenna, 1850-1990 MHz

PCS
1850-1990 MHz

MaxFill™

Panel Antenna

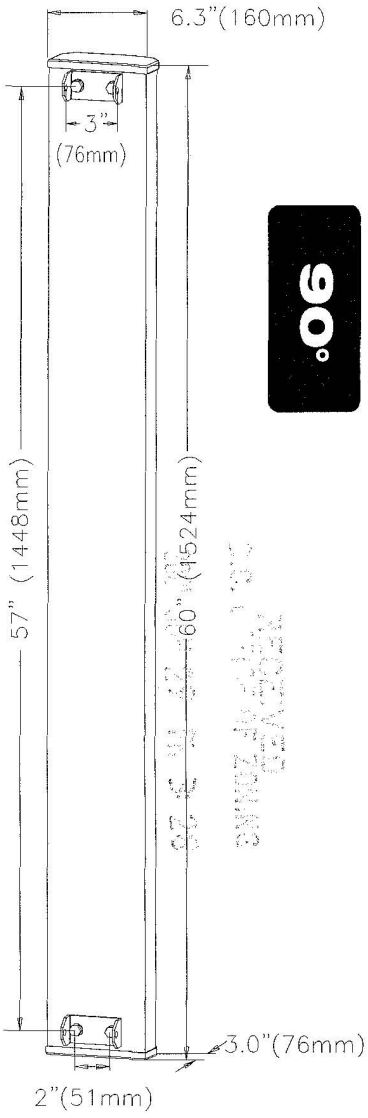
BZA
Case No. 16766
Exhibit No. 11

Electrical Specifications

Model Number	**DB980F90E-M**
Terminations	7-16 DIN (Bottom)
Frequency Range	**1850-1990 MHz**
Gain	**14.3 dBd (16.4 dBi)**
Polarization	Vertical
Beamwidth (3 dB from max.)	**Horizontal: 90°** **Vertical: 6°**
VSWR (max.)	< 1.4 : 1
Null Fill	-12 dB (typ.), -15 db (min.)
USLS	18 dB
Front-to-Back Ratio	25 dB Typical
Max. Input Power	250 Watts
Application	PCS

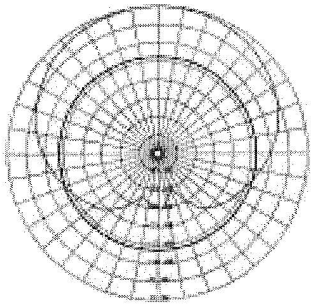
Mechanical Specifications

Weight	9.5 lbs (4.3 kg)
Wind Area	2.6 ft² (.24m²)
Wind Load	104 lbf (463N) 47 kp (at 100 mph)
Max. Wind Speed	125mph (201 km/h)
Material	Back Panel: Pass. Aluminum Radiators: Brass Radome: PVC, UV Resistant Mounting Hardware: Galvanized Steel
Color	Gray
Mounting (Included)	DB390 pipe mount kit (bottom connector) DB391 pipe mount kit (back connector)
Optional Bracket	DB5094-AZ Wall/Azimuth bracket. DB5089 and DB5099 downtilt brackets.
Weather Protection	Fully protected by backplate and radome.
Lightning Protection	All metal parts are grounded.
Packing Size	72" x 7" x 6" (183 x 18 x 15cm)
Shipping Weight	15 lbs (6.8 kg)

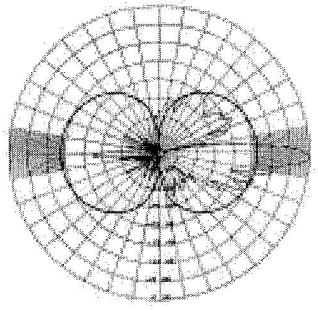


90°

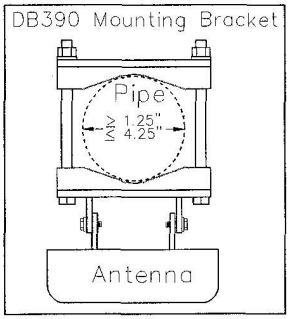
Antenna Patterns



Horizontal



Vertical



ISO9001 Compliant

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Board of Zoning Adjustment
District of Columbia
CASE NO.16766
EXHIBIT NO.11