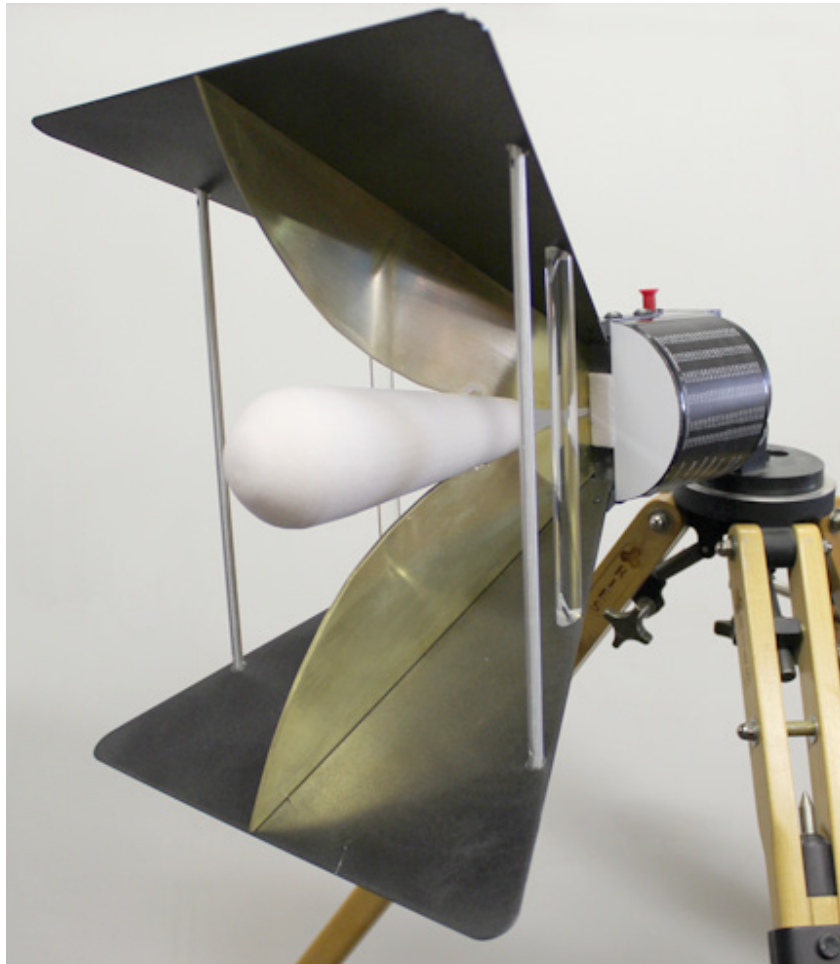


DAMs Broadband Reference Horn Features and Specifications



DE0726

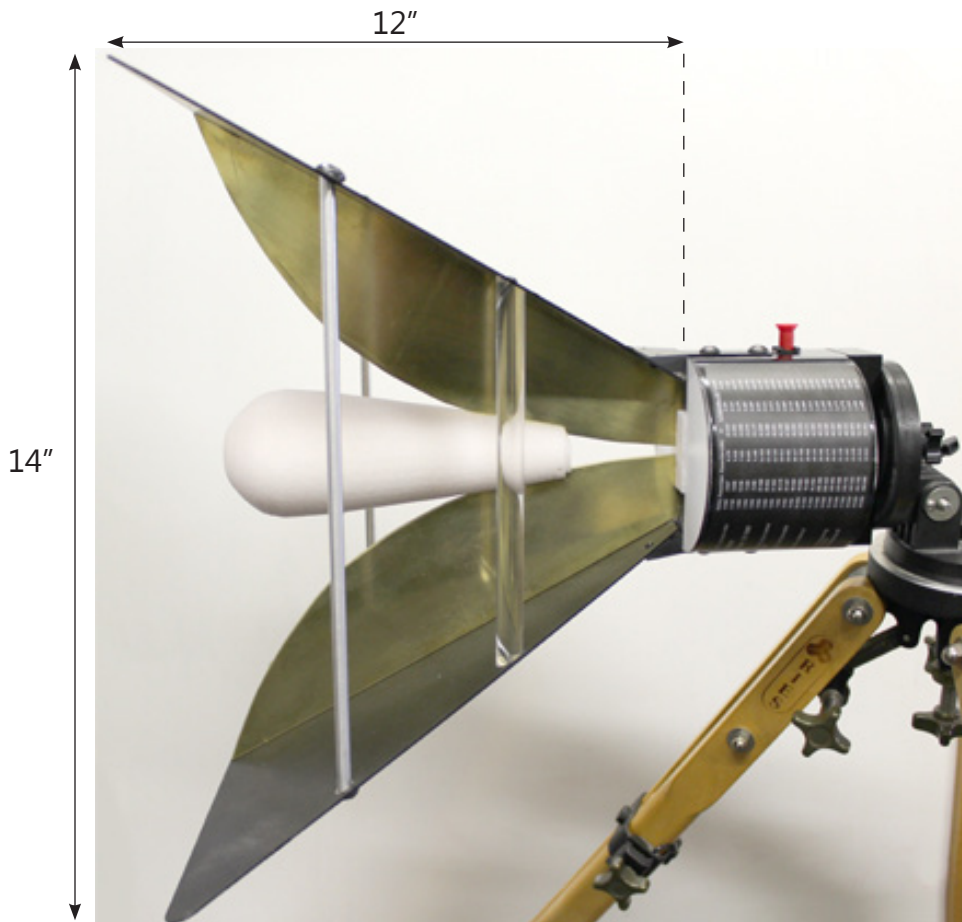
700MHz to 26GHz

The digitally optimized DE0726 features a dielectric lens system which dramatically improves beam profile and gain. The impedance is 50 ohms from DC to the band. The horn can be used for measurement and communications. The excellent match and monotonic gain provide a unique combination of application and performance.

Specifications

Physical Specifications

Weight: 4 pounds (1.8kg)
Dimensions: 14 x 14 x 14 inches



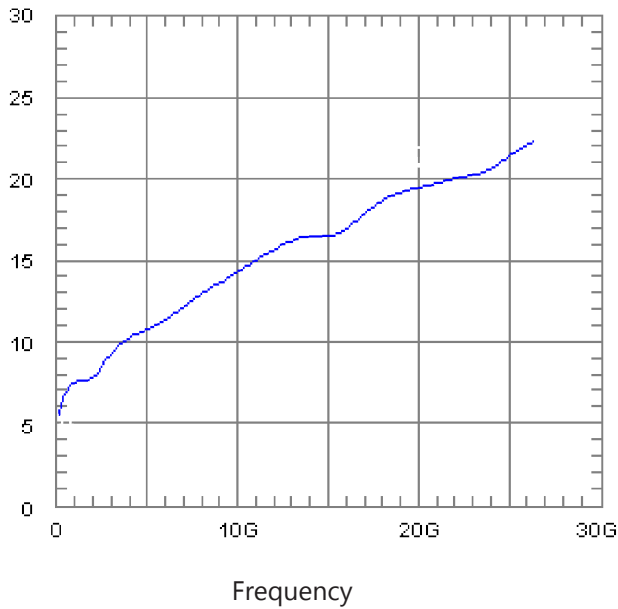
Technical Specifications

Polarization: Linear
Receive / Transmission: 50 watts
Connector type: SMA-F
Beam Location: 8.6 cm below laser location
Recommended Tripod: DE Carbon Fiber Tripod

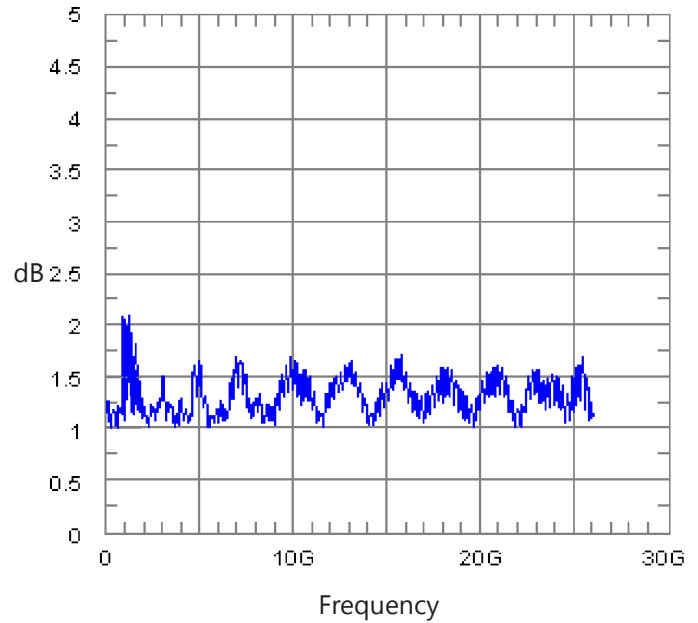
Typical Profiles

Typical Gain, VSWR for AZ-EL (0,0) plus normalized beamwidth profiles

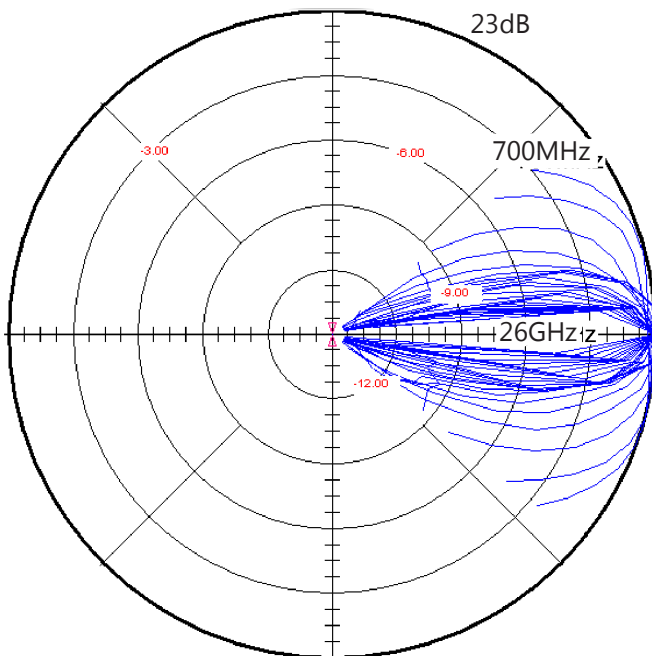
Gain (dBi)



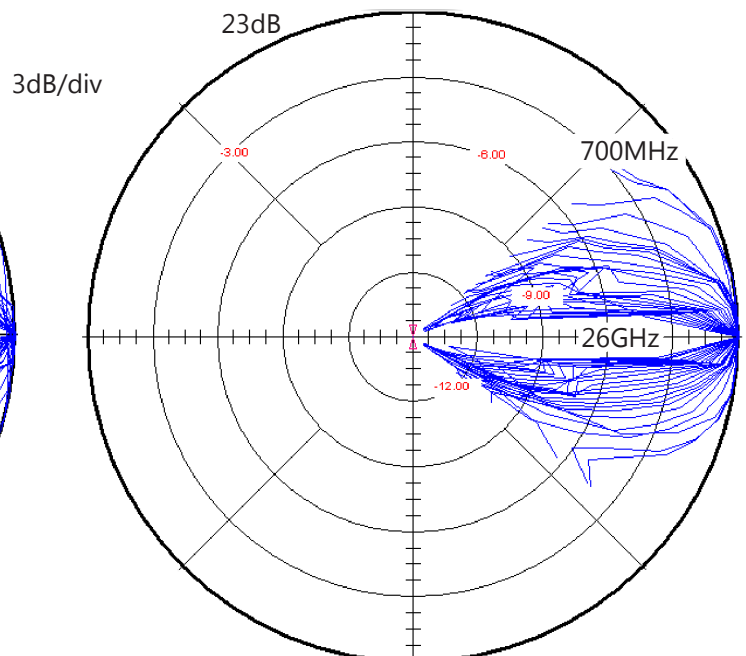
VSWR



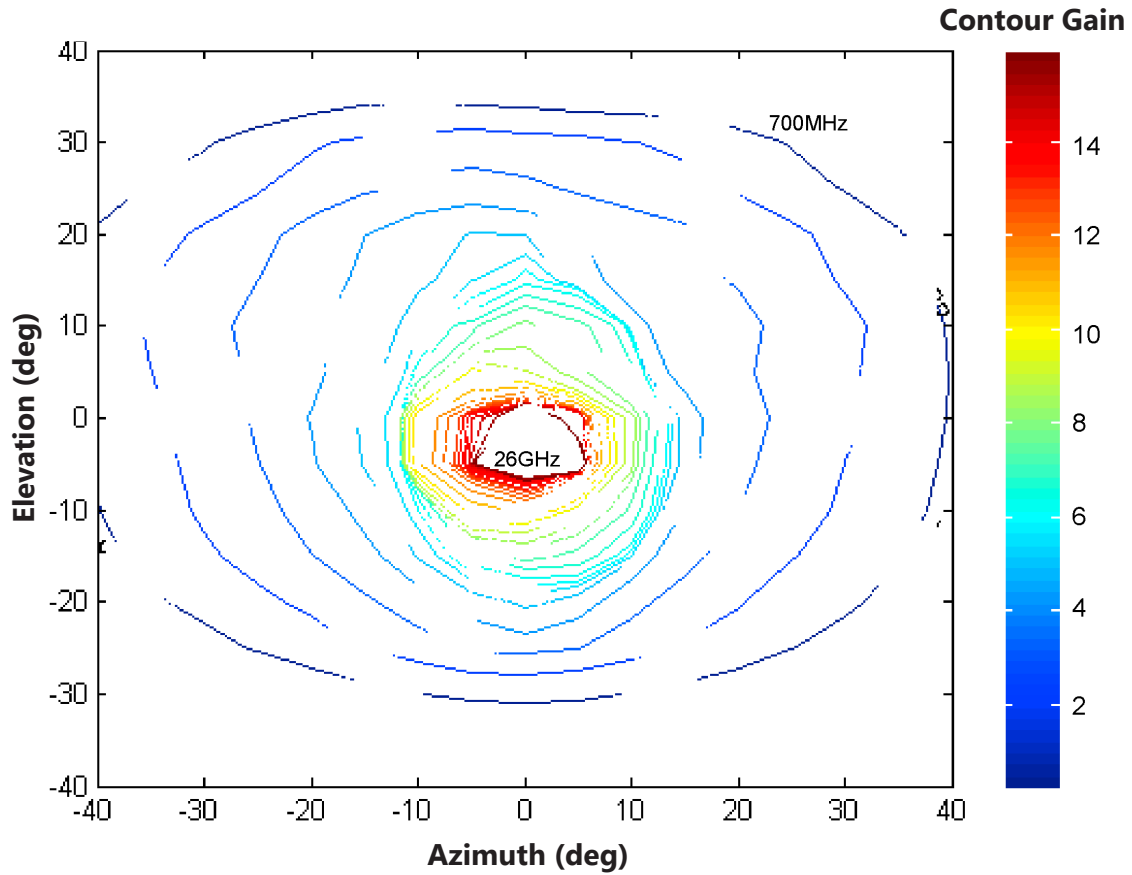
E-plane Contours



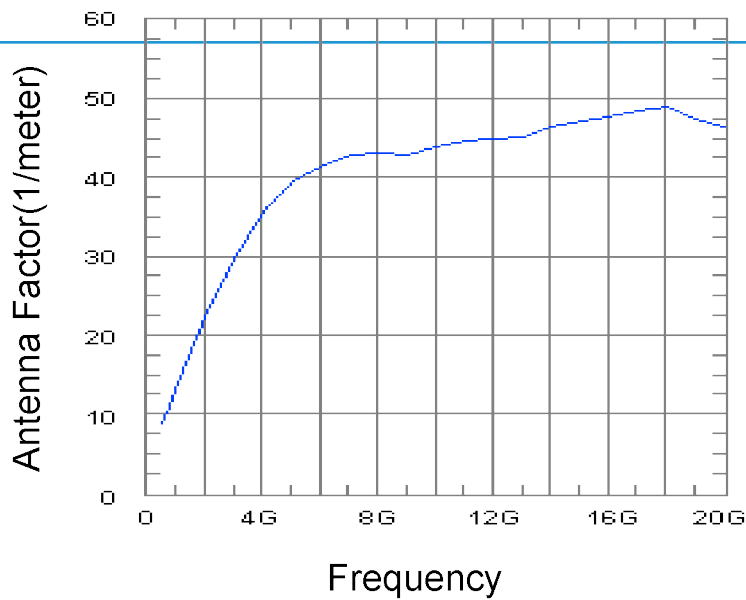
H-plane Contours



Typical 3dB Beam Profiles 700MHz to 26GHz

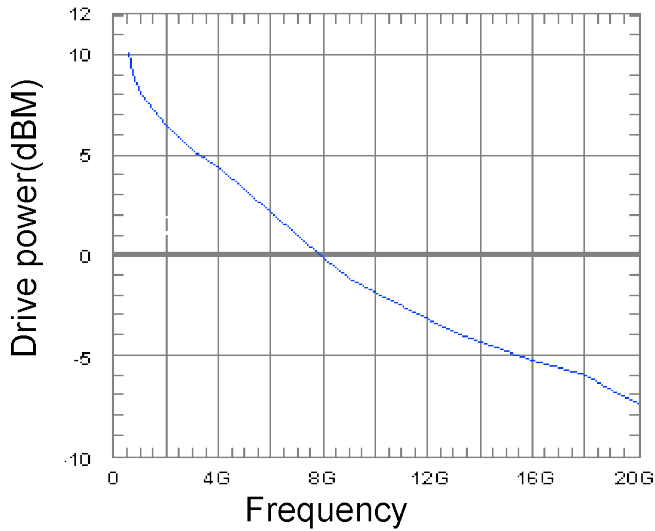


Antenna Factor Plot

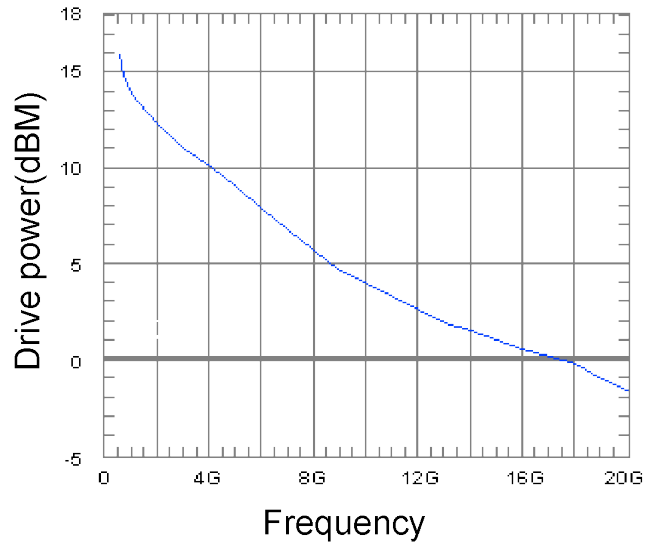


Constant E-Field Drive Power Profiles

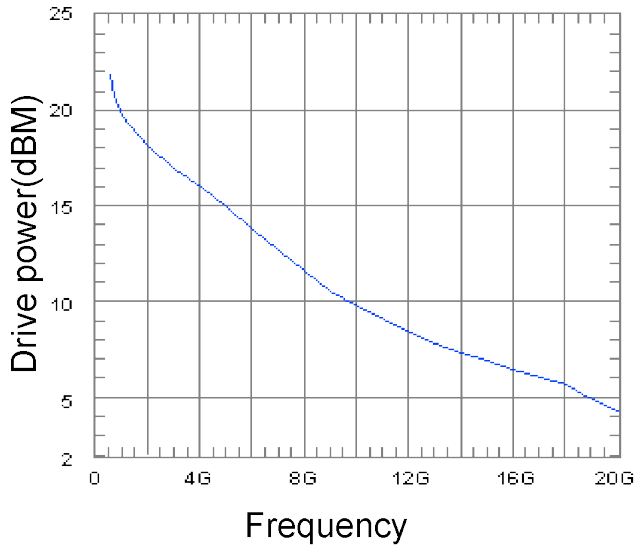
Drive Power Profile for constant 1v/meter at 1meter



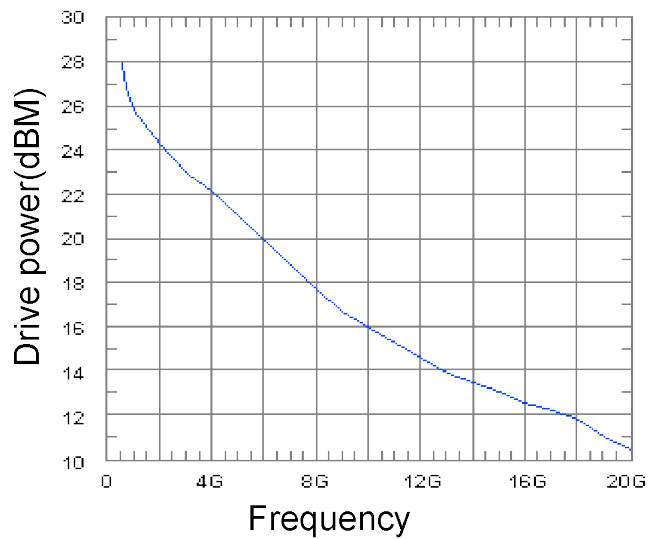
Drive Power Profile for constant 2v/meter at 1meter



Drive Power Profile for constant 4v/meter at 1meter



Drive Power Profile for constant 8v/meter at 1meter



Typical Beam Color Profiles 700MHz to 26GHz

