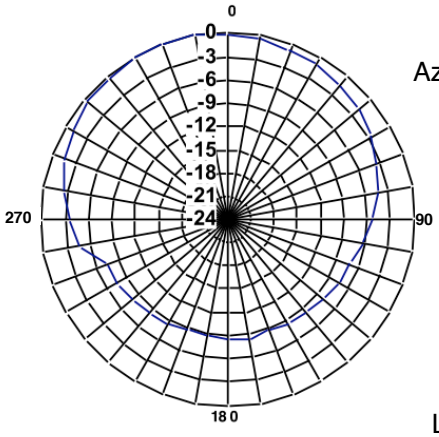
DIVERSITY FIN™ ANTENNA

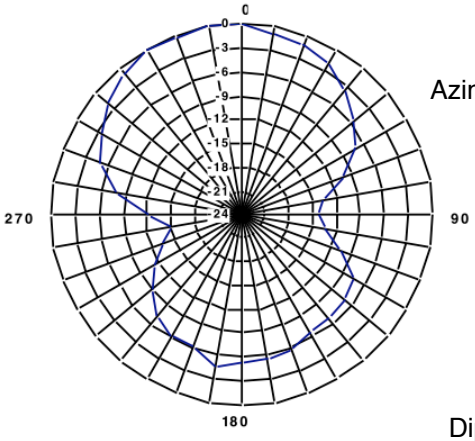
TECHNICAL SPECIFICATIONS

DFIN-1 1/2/2012



Azimuth

LPDA



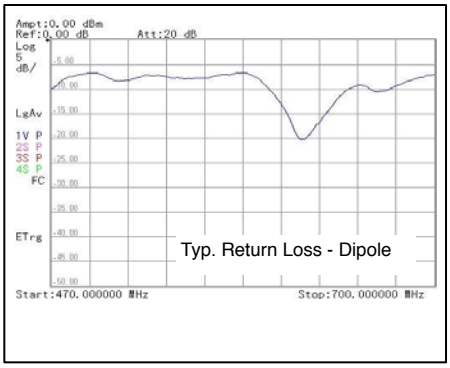
Azimuth

Dipole

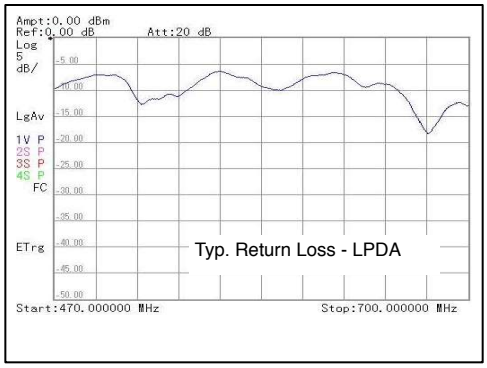
Model Number	DFIN-1
Electrical Characteristics	
Operating frequency	468-740 MHz
Bandwidth	272 MHz
Average return loss	-9.4 dBm
Impedance	50 Ω
Pattern type	Dual Omni-Unidirectional
LPDA	
Beam width	140º Azimuth
F/B Ratio	8 dB
F/S Ratio	5 dB
Gain	5 dBd
Polarization	Vertical
Dipole	
Beam width	100º Azimuth
F/B Ratio	5 dB
F/S Ratio	13 dB
gain	1.8 dBd
Polarization	Horizontal
Physical Characteristics	
Length	300mm/12 in
Height	370mm/15 in
Weight	454 g/1 lb
Mounting Block	1/4-20, 3/18-16, 5/8-27
Operating temperature	-23 -54C/-10-130F
Color	Black
Connector	BNC female (2)

The Diversity Fin™ Antenna is designed to be used with wireless microphone systems and other UHF receivers incorporating dual branch diversity reception, and comprises orthogonal, directional LPDA and bi-directional dipole elements. The element orientation and position achieve optimal polarization diversity reception and improve signal constancy in indoor and reflective environments.

Connect two receiver (or antenna combiner) branches to the Diversity Fin via coaxial cables (not supplied)



Typ. Return Loss - Dipole



Typ. Return Loss - LPDA

Specifications are typical. Actual performance varies under changing environmental and physical conditions outside the control of RFvenue. Specifications subject to change without notice. Warranty: As stated with delivered item. Soundwave Research Laboratories, Inc. will not repair or exchange any item that has been modified by the user. The design of this product is proprietary and subject to pending and/or issued patents, trademarks and copyrights.