

# TransAir™ 200~230 MHz 13 dBi Antenna

Lilee Systems™ 60 Sector Directional Antenna for Positive Train Control (PTC) Applications



## Features

- Superior all-weather performance
- Rugged construction, light weight design
- DC short lightning protection
- Directional and Multipoint applications

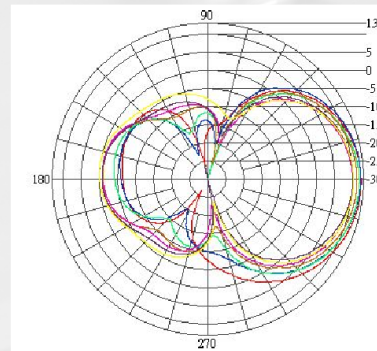
## Introduction

The TransAir 200~230 MHz 13 dBi Antenna is specifically designed for use with the Lilee Systems TransAir PTC-3000 Base Station and Wayside Radios in Positive Train Control (PTC) deployments for freight and commuter rail. Applications include directional and multipoint as well as in wireless video system deployments.

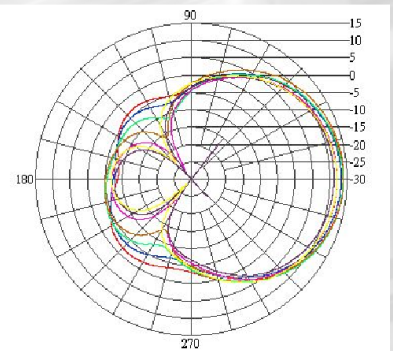
The TransAir 13 dBi antenna's rugged construction provides increased reliability and ensures long life in extreme environmental conditions encountered in railroad applications.

## Radiation Pattern (200~230 MHz)

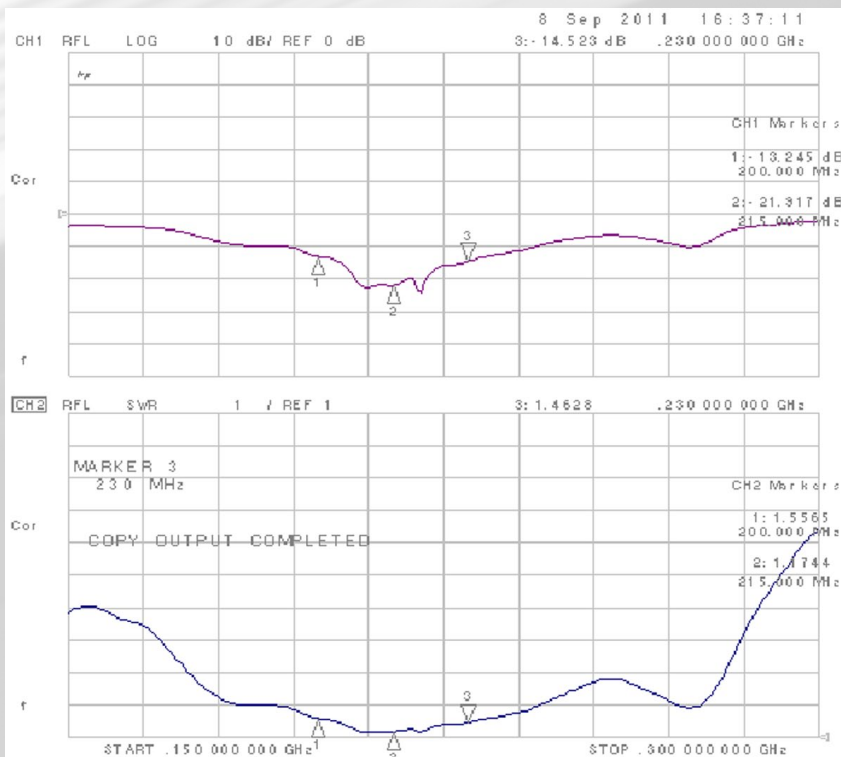
E-Plane



H-Plane



## Return Loss & VSWR



## Specifications

Frequency Range	200 - 230 MHz	
Power Rating (maximum)	500 W	
Impedence	50 ohms	
Antenna Type	Corner Reflector	
Antenna Design	Dipole Reflection	
Pattern	60 Sector Directional	
Polarization	Vertical or Horizontal	
VSWR	1.5:1	
	E-plane	H-plane
Max Gain (dBi)	12.34	13.96
Min Gain (dBi)	9.98	11.22
Average Gain (dBi)	11.10	12.90
-3 dB Angle (degree)	57.2	69.2
Connector	N-Type Female Connector	
Internal Material	Aluminum	
Parts Material	Aluminum	
Waterproof Box Material	ABS	
Wind Survival	Greater than 150 mph	
Dimensions (H x W x L)	1060 mm x 440 mm x 980 mm (40.73 in x 17.32 in x 38.58 in)	
Weight	7.0 kg	
Accessories Weight	0.7 kg	
Mounting	Stainless steel, Pole mount/Well mount	



**Lilee** Systems

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