ANT-LTE-HDP-2000-SMA

Data Sheet

Product Description

The Linx HDP Series antenna is a highly versatile antenna, offering high performance in a wide range of applications as well as an industrial ruggedness at a commercial price point. These durable, low profile, IP67, UV, and extended temperature rated robust antennas mount to non-conductive surfaces with an integrated PSA adhesive patch and have a horizontal cable egress. With two meters of low loss cable, the HDP Series antenna can be located remotely from the radio and positioned for optimal performance. The HDP Series offers a very rugged solution at a fraction of the cost of competitive options.

The HDP Series LTE antenna supports all common LTE frequency bands making it ideal for LTE, CAT-M1 and NB-IOT applications as well as 2G and 3G systems. It is easily customized with different cable lengths and connectors for volume orders. Contact Linx for details.

Features

- Covers all common 4G/3G/2G LTE bands
- Fully weatherized - UV protected, IP67, wide temperature range
- Low Loss cable for better RF performance at higher frequency bands

Ordering Information

ANT-LTE-HDP-2000-SMA

Electrical Specifications

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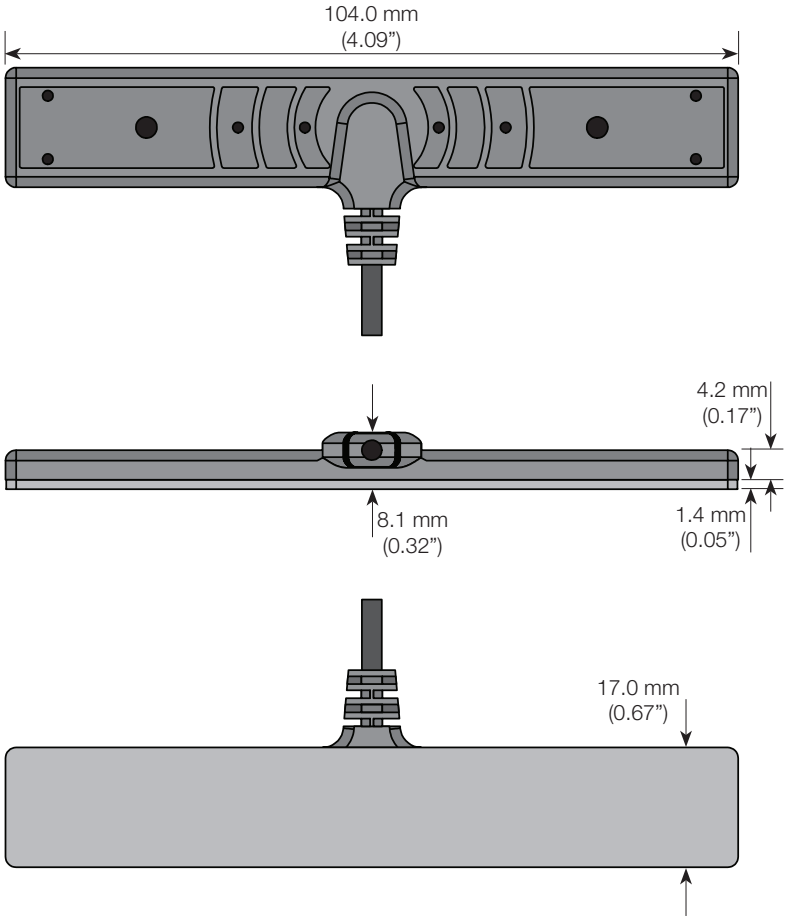
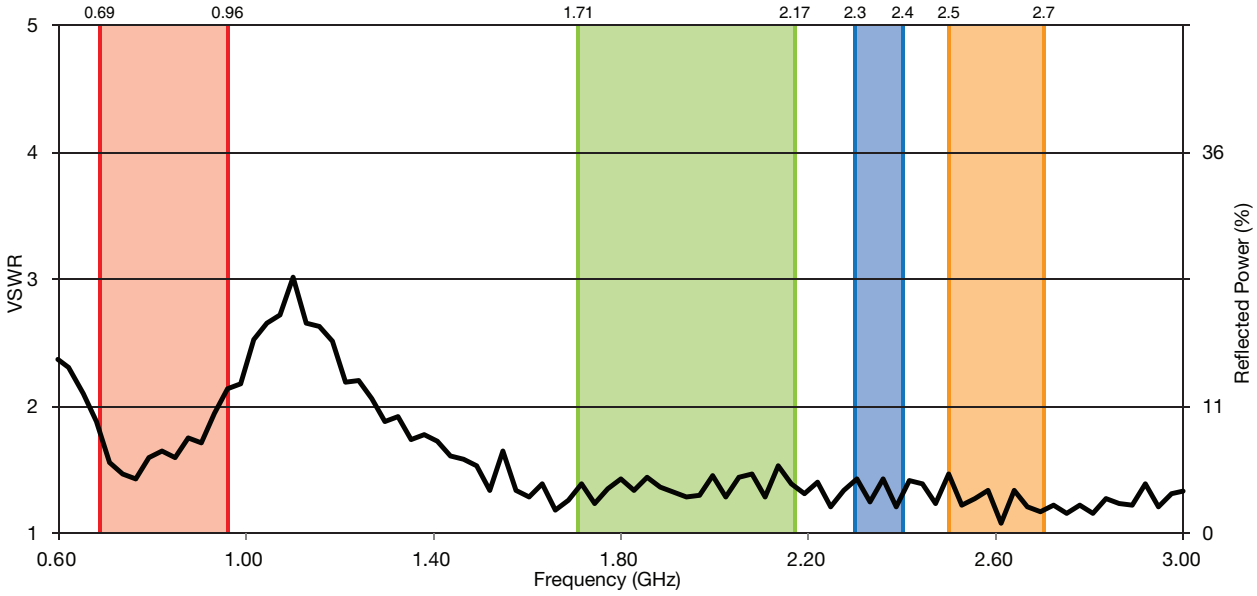
Parameter				
Recommended Frequency Range	LTE/ GSM850/ GSM900	DCS/ PCS/ UMTS1	LTE 2300	LTE 2600
	698 – 960	1710 – 2170	2300 – 2400	2500 – 2700
VSWR	<1.75:1	<1.35:1	<1.3:1	<1.25:1
Peak Gain	3.5dBi	4.5dBi	3.25dBi	4.5dBi
Average Gain	–1.5dBi	–3.75dBi	–4.0dBi	–4.5dBi
Efficiency	65%	45%	40%	35%
Polarization	Linear			
Radiation	Omni-Directional			
Max Power	10W			
Wavelength	½-wave			
Impedance	50-ohms			
Cable	2m of Low Loss RG-174/U			
Connection	SMA Plug (Male)			
Mounting Type	Adhesive			
Weight	42g (1.7oz.)			
Operating Temperature Range	–40°C to +85°C			

Revised 3/12/2018

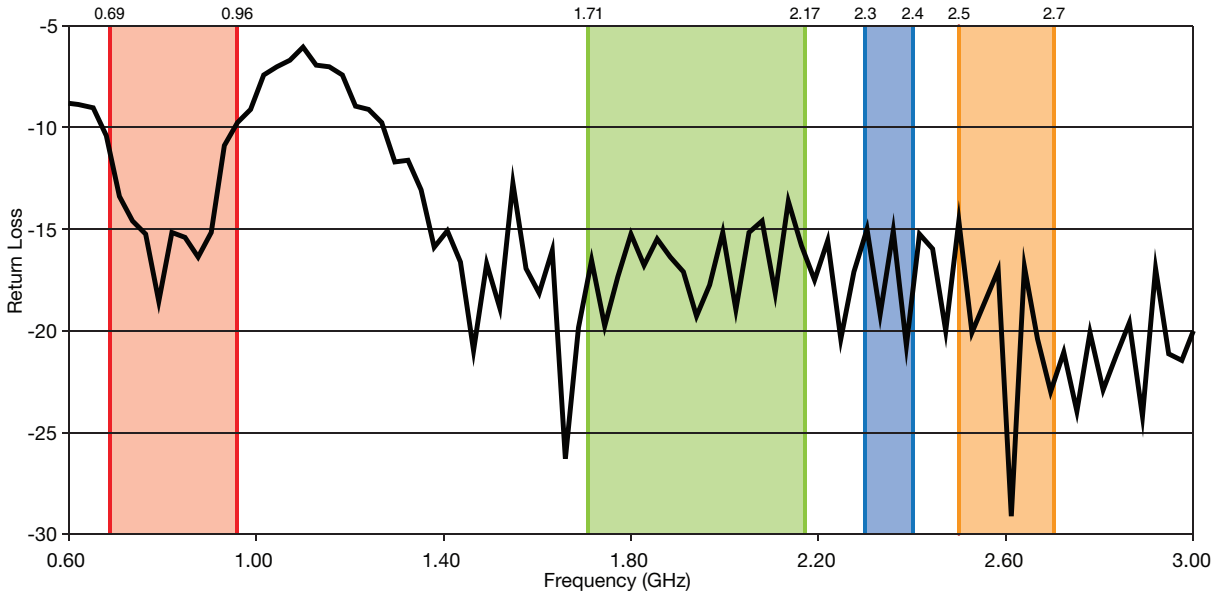
Dimensions



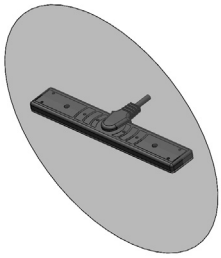
VSWR Graph



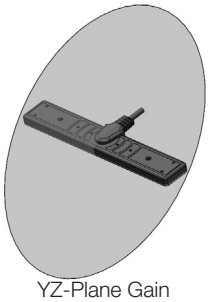
Return Loss



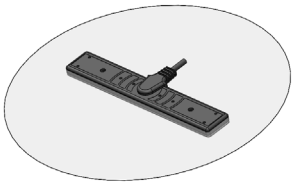
Gain Plots



XZ-Plane Gain

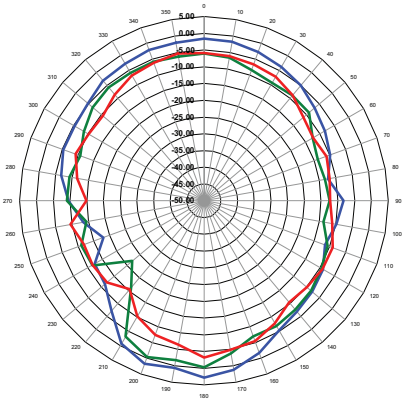


YZ-Plane Gain

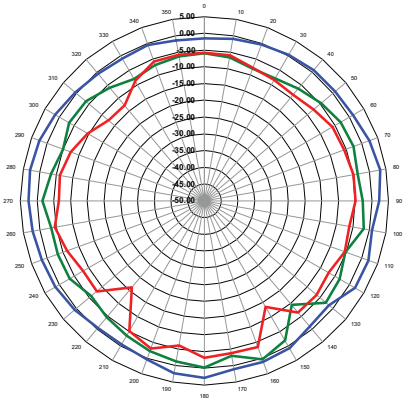


XY-Plane Gain

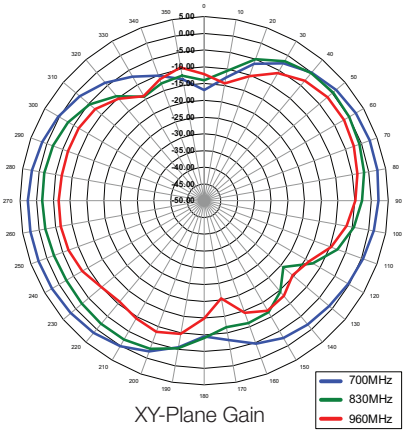
700 - 960MHz



XZ-Plane Gain

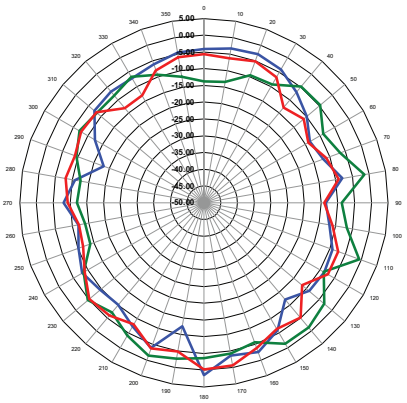


YZ-Plane Gain

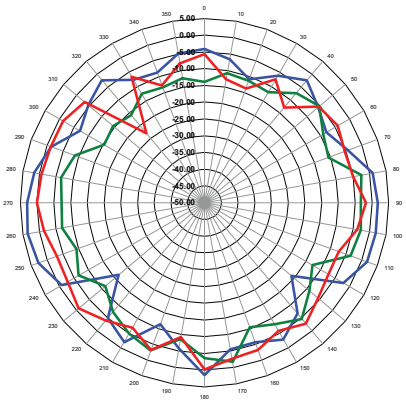


XY-Plane Gain

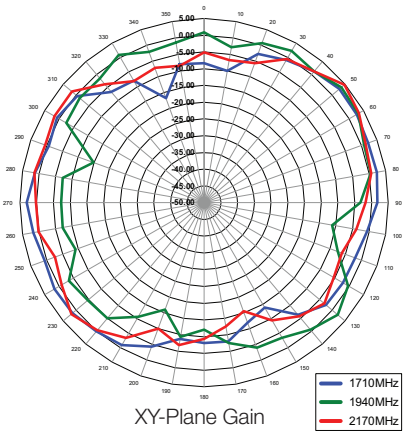
1710 - 2170MHz



XZ-Plane Gain

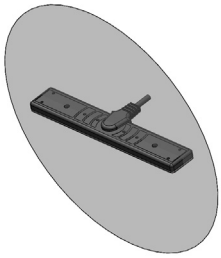


YZ-Plane Gain

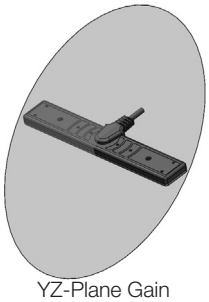


XY-Plane Gain

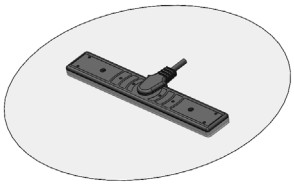
Gain Plots



XZ-Plane Gain

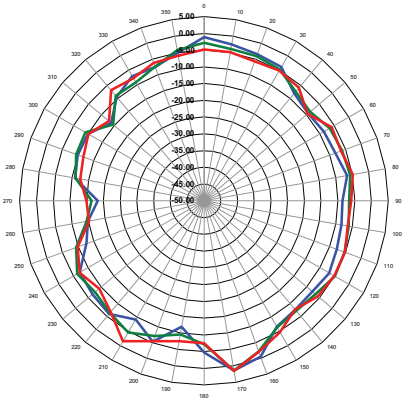


YZ-Plane Gain

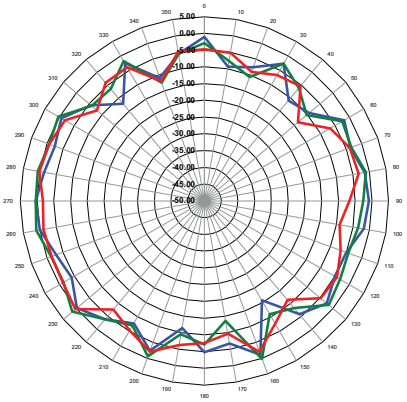


XY-Plane Gain

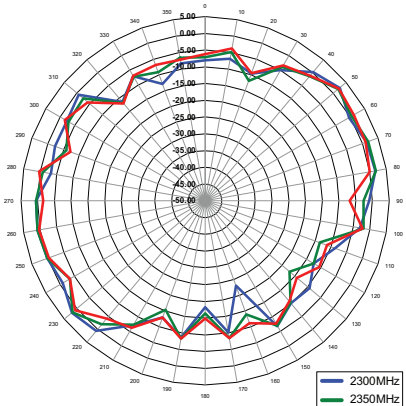
2300 - 2400MHz



XZ-Plane Gain

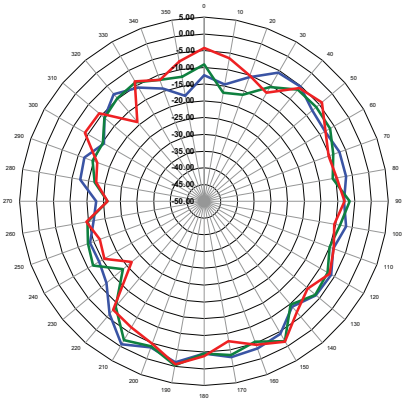


YZ-Plane Gain

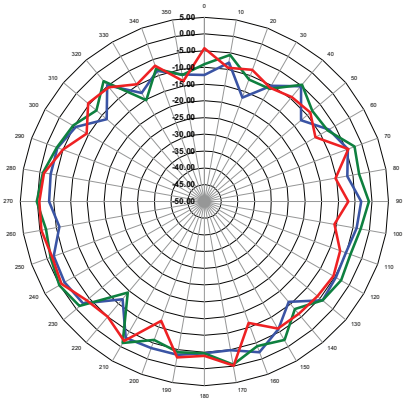


XY-Plane Gain

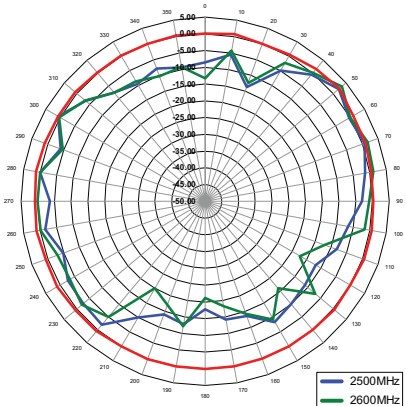
2500 - 2700MHz



XZ-Plane Gain

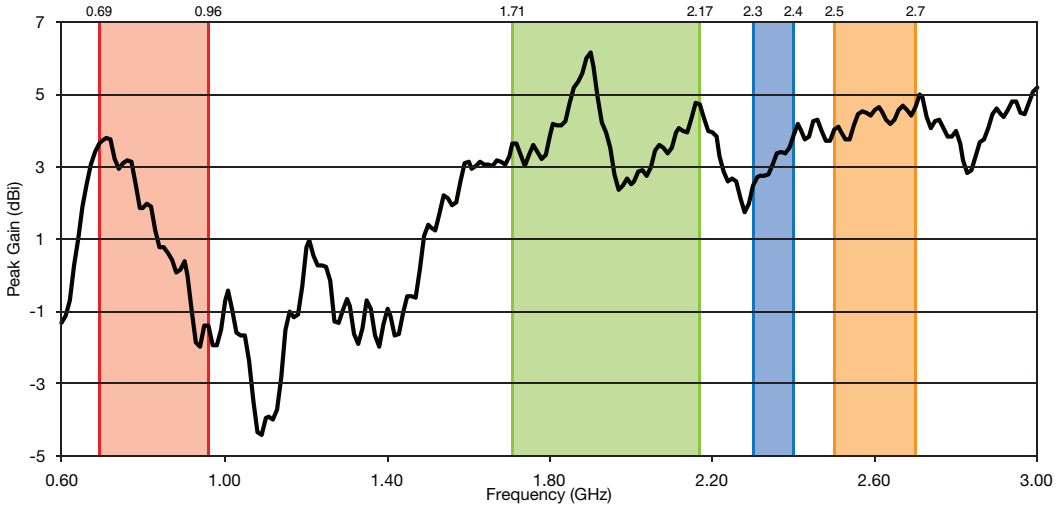


YZ-Plane Gain

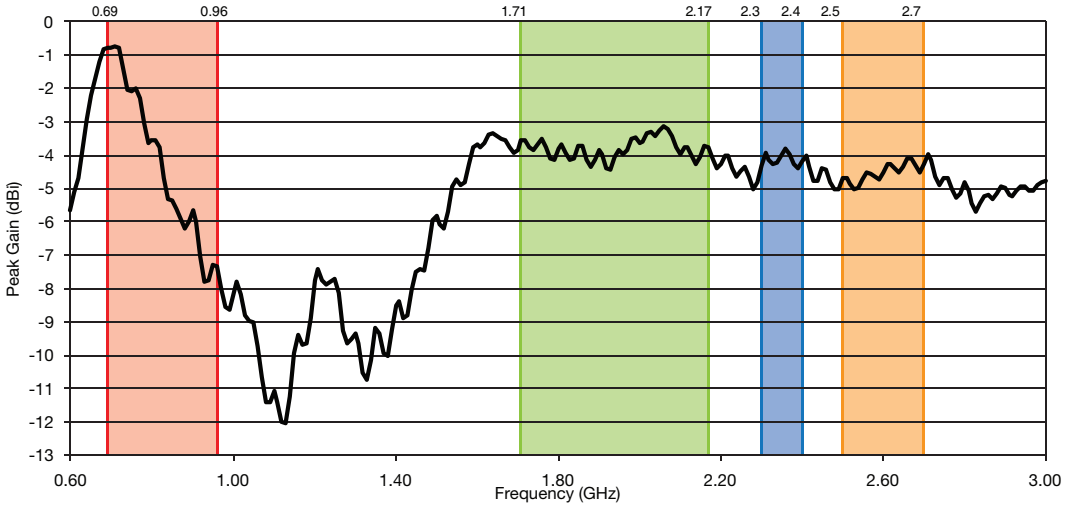


XY-Plane Gain

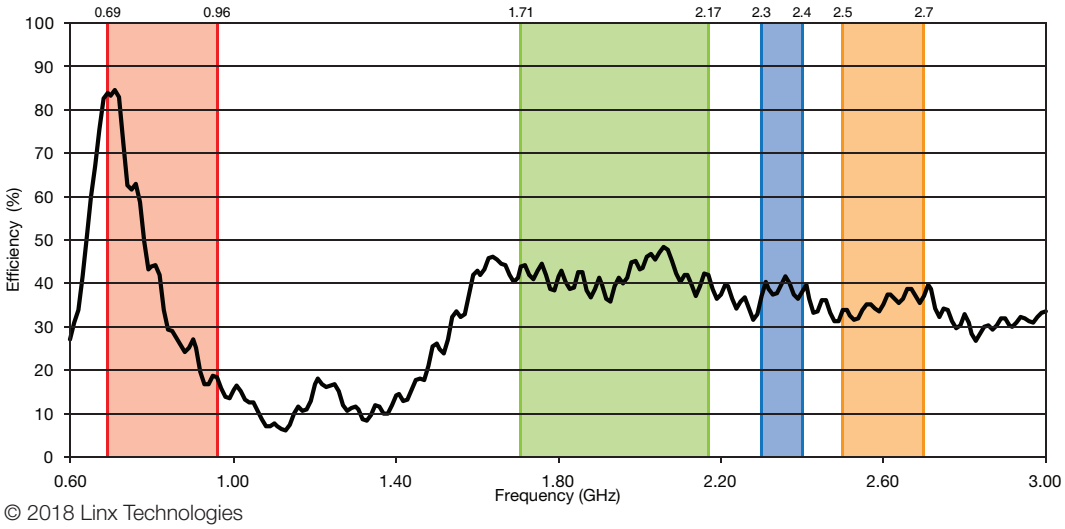
Peak Gain



Average Gain



Radiation Efficiency



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