

Antennas | ADPT 24

ADPT 24

698 - 960 & 1710 - 2700 MHz 3G/GSM UNIVERSAL MODEM-TO-ANTENNA ADAPTOR



- Futureproof wideband LTE antenna and Wi-Fi operational frequencies
- Compatible with 4G, 3G and 2G technologies
- Improves mobile network subscriber's user experience
- Increased connectivity stability
- Weather- and vandal resistant
- Used in extreme weather environments

Product Overview

The adaptor consists of a flat plastic pad with a 50 cm cable that terminates in a SMA (female) connector. The plastic sleeve, that looks similar to a cellphone battery, encloses a device that is able to couple to a cellphone and divert it to a booster antenna thereby ensuring better reception.

The pad of the coupler is placed against the top of the phone. (The coupler is supplied with a small piece of Velcro that you can use to ensure a more secure connection to your phone). You then connect the other end of the coupler to one of our booster antennas via the SMA (female) connector. The booster antenna can be mounted on the outside of a building and pointed in the direction of your closest cellular base station to ensure good reception.

Features

- Slim and Lightweight
- Robust

Application areas


- Weak signal areas where there is little or no cell phone connection.
- Connecting 3G/HSDPA datacard and GSM/UMTS/3G mobile phones to a high gain antenna as to improved range and communication.
- Ideal for farmers, lodges, holiday resorts or anyone that depends on communication in the rural areas.

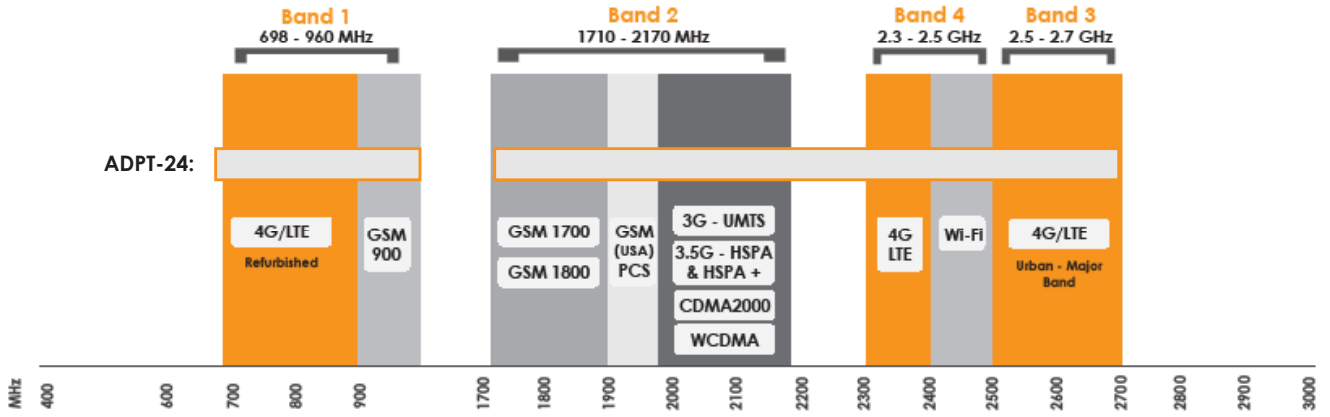


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Frequency bands

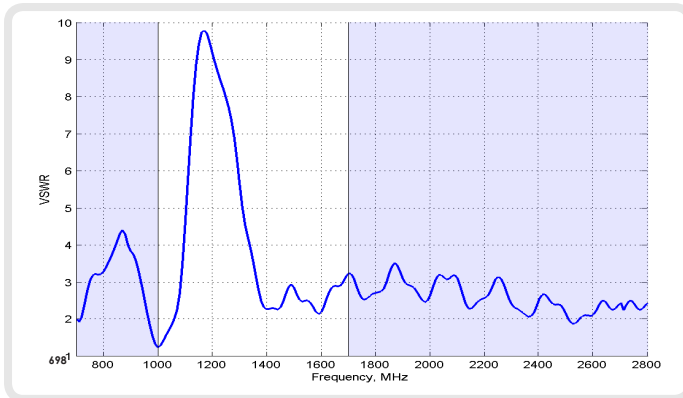
The ADPT-24 is a wide-band antenna that works from 698 - 960 & 1710-2700 MHz

 Indicates the bands on which this antenna works



Antenna Performance Plots

VSWR:

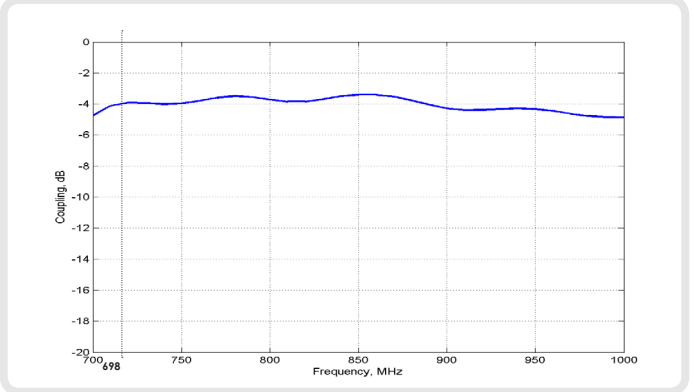


Voltage Standing Wave Ratio (VSWR)

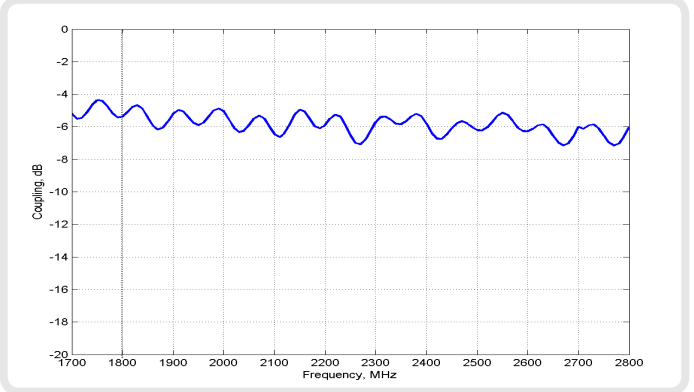
VSWR is a measure of how efficiently radio-frequency power is transmitted from a power source, through a transmission line, into a load. In an ideal system, 100% of the energy is transmitted which corresponds to a VSWR of 1:1.

The ADPT-24 delivers superior performance across all bands with a VSWR of 3:1 or better.

Coupling @900MHz:



Coupling @1800MHz:



Electrical Specifications

Frequency Bands 1:	698 - 960 MHz 1710 - 2700 MHz
VSWR (Coupled):	< 3:1
VSWR (Free Space):	< 3:1
Feed Power Handling:	10 W
Input impedance:	50 Ohm (nominal)
Polarisation:	Linear
Cable loss:	0.35dB/m @900 MHz 0.53dB/m @ 2000 MHz
DC Short:	No

Mechanical Specifications

Product Dimensions (L x W x D):	80 mm x 45 mm x 15 mm
Packaged Dimensions:	120 mm x 50 mm x 23 mm
Weight:	29g
Packaged Weight:	38g
Plastic Materials:	ABS (Halogen Free)
Plastic Colour:	Pantone Black RAL Black

Environmental Specifications

Wind Survival:	NA
Temperature Range (Operating):	-20°C to +50°C
Environmental Conditions:	Indoor
Operating Relative Humidity:	Up to 98%
Storage Humidity:	5% to 95% - non condensing
Storage Temperature:	-20°C to +50°C

Product Box Contents

Antenna:	A-ADPT-024-V2
Mounting Bracket:	Velcro
Cable Length:	0.5 M
Cable Type:	RG174
Connector:	SMA(f)

The cables and connectors are factory mounted to the antenna



A-ADPT-024



Ordering Information

Commercial name:	ADPT 24
Order Product Code:	A-ADPT-024-V2
EAN number:	6009693810150

Additional Accessories Available

Extension Cables: N/A
Various connectors available

For more detailed information and availability in your region, visit our web site: www.poynting.tech

Certification Approvals and Standards

Flammability rating:	UL 94-V1 EN 13823
Impact resistance:	08
Salt Spray:	MIL-STD 810F/ASTM B117
Product Safety:	Complies with UL, CE, EN, CSA and IEC standards

Contact Poynting

Poynting Antennas (Pty) Ltd - Head Office

Unit 4, N1 Industrial Park
Landmarks Avenue,
Samrand, 0157
South Africa

Phone: +27 (0) 12 657 0050
E-mail: sales@poynting.co.za

Poynting Europe

Regus Business Center Neue Messe Riem
Kronstadter Straße 4
81677 München
Germany

Phone: +49 89 208026538
E-mail: sales-europe@poynting.tech



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Product Specifications may change without prior notice
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