

Antennas | ADPT 26

ADPT 26

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

This device couples most data modems to an external antenna. The diverted antenna ensures better signal reception and ultimately better data throughput. The coupler slides over the modem (see photos). 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 toward your closest cellular base station to ensure good reception.

Features

- Slim and Lightweight
- Robust

Application areas

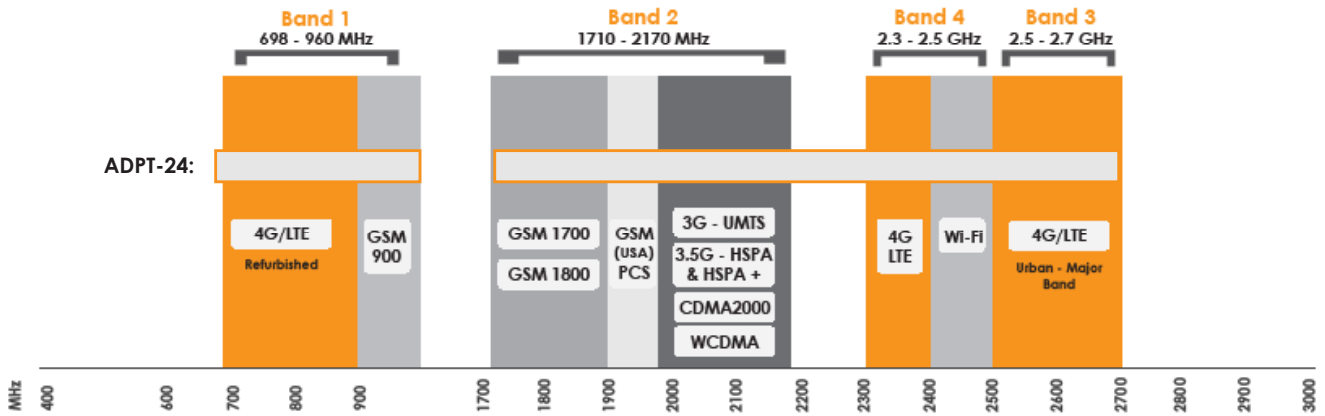
- Weak signal areas where there is little or no cell phone connection.
- Connecting 3G/HSDPA datacard and GSM/UMTS/3G mobile phones to a high gain antenna as to improved range and communication.
- Ideal for farmers, lodges, holiday resorts or anyone that depends on communication in the rural areas.



Frequency bands

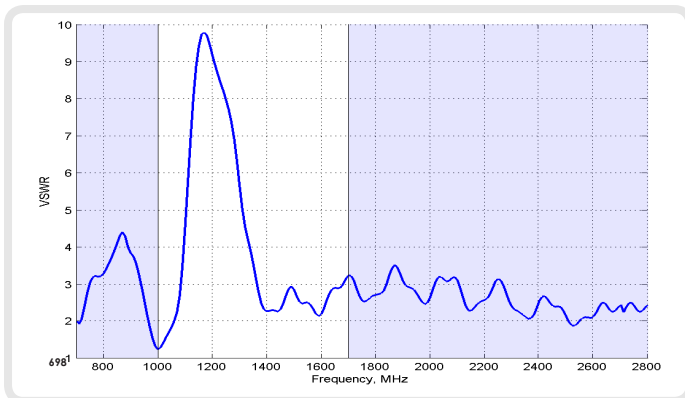
The ADPT-24 is a wide-band antenna that works from 698 - 960 & 1710-2700 MHz

Indicates the bands on which this antenna works



Antenna Performance Plots

VSWR:

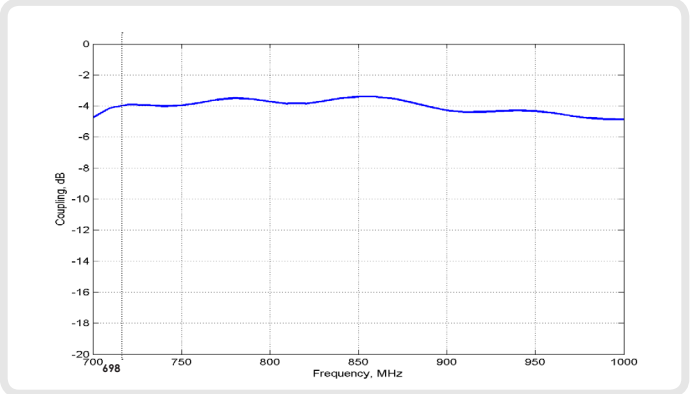


Voltage Standing Wave Ratio (VSWR)

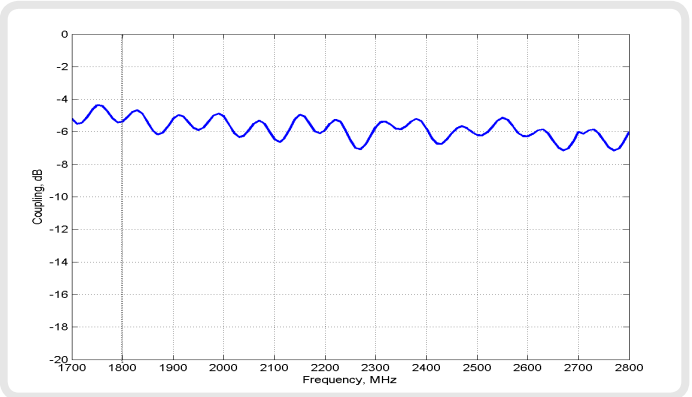
VSWR is a measure of how efficiently radio-frequency power is transmitted from a power source, through a transmission line, into a load. In an ideal system, 100% of the energy is transmitted which corresponds to a VSWR of 1:1.

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):	45 mm x 36 mm x 22 mm
Packaged Dimensions:	120 mm x 79 mm x 24 mm
Weight:	20g
Packaged Weight:	36g
Plastic Materials:	Thermoplastic elastomers (TPE)
Plastic Colour:	Black RAL Black

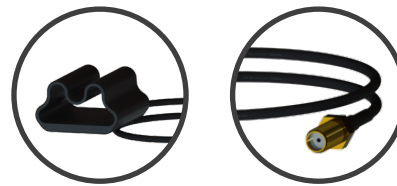
Environmental Specifications

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-026
Cable Length:	0.5m ±5%
Cable Type:	RG174
Connector:	SMA(f)

The cables and connectors are factory mounted to the antenna



A-ADPT-026

Ordering Information

Commercial name:	ADPT 26
Order Product Code:	A-ADPT-026
EAN number:	6009693810167

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



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