

ANTENNAS | ADPT-26 SERIES

UNIVERSAL MODEM TO ANTENNA ADAPTOR

698 - 2700 MHz



- **Wideband LTE and Wi-Fi antenna**
- **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**



Urban



Rural/Farm

APPLICATION AREAS

Product Overview

The ADPT-26 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

- Wideband frequency ranges from 698 – 2700 MHz
- Slim and lightweight
- Robust design

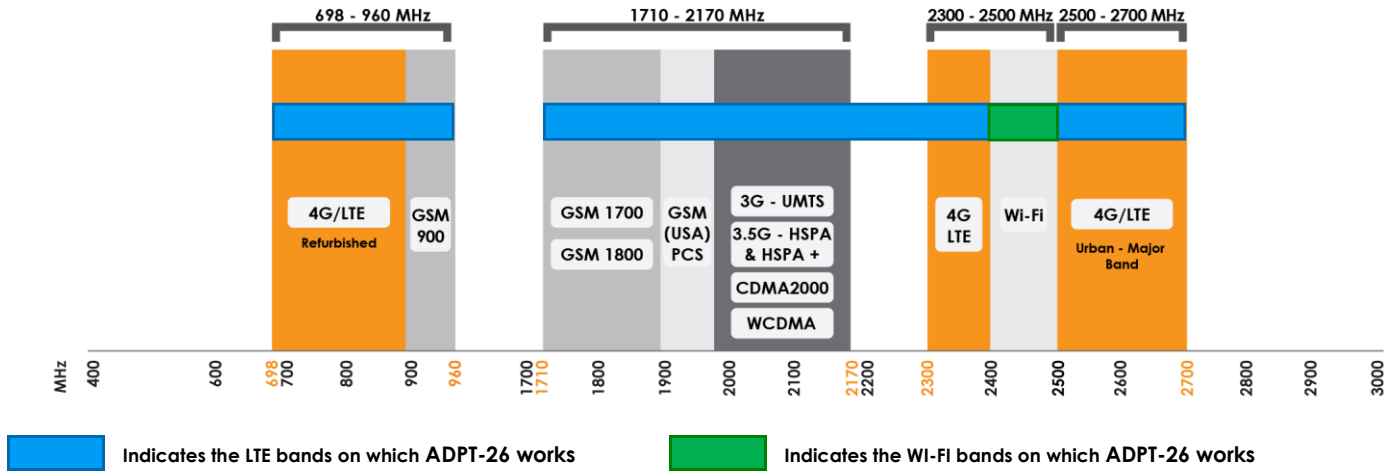
Application Areas

- Weak signal areas where there is little or no cell phone connection.
- Connection 3G/HSDPA data card and GSM/UMTS/3G mobile phones to a high 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-26 works from 698 – 960 MHz | 1710 – 2700 MHz



Antenna Overview

Ports	1
SISO / MIMO	SISO
Frequency Bands	698 – 960 MHz 1710 – 2700 MHz
Polarisation	Linear
Coax Cable Type	RG 174
Coax Cable Length	0.5m
Connector Type	SMA (F)

**The coax cable & connector are factory mounted to the antenna*

Electrical Specifications

Frequency bands:	698 – 960 MHz 1710 – 2700 MHz
VSWR (Free Space):	<3:1
VSWR:	<3:1
Feed power handling:	10 W
Input impedance:	50 Ohm (nominal)
Polarisation:	Linear
Coax cable loss:	0.78 dB/m @ 600 MHz 0.92 dB/m @ 900 MHz 1.35 dB/m @ 1800 MHz 1.6 dB/m @ 2400 MHz
DC short:	No

Product Box Contents

Antenna:	A-ADPT-026
Mounting bracket:	N/A

Ordering Information

Commercial name:	ADPT-26
Order product code:	A-ADPT-026
EAN number:	6009693810167

Mechanical Specifications

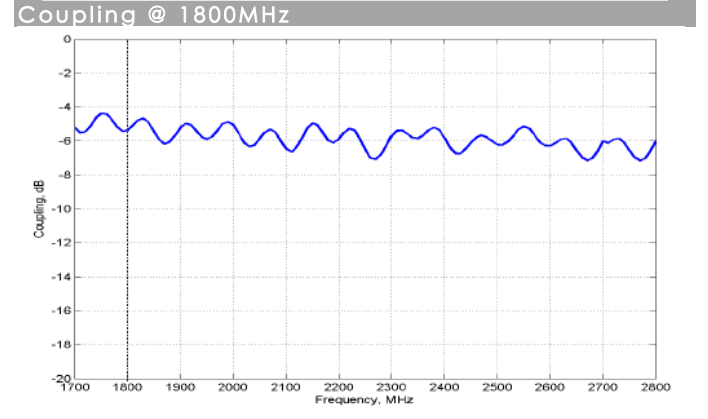
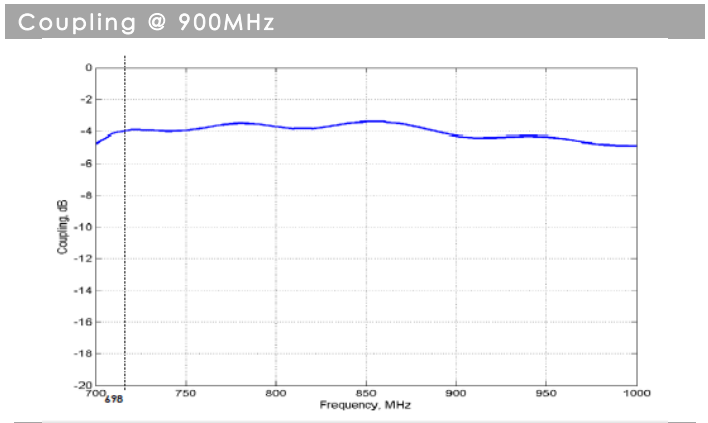
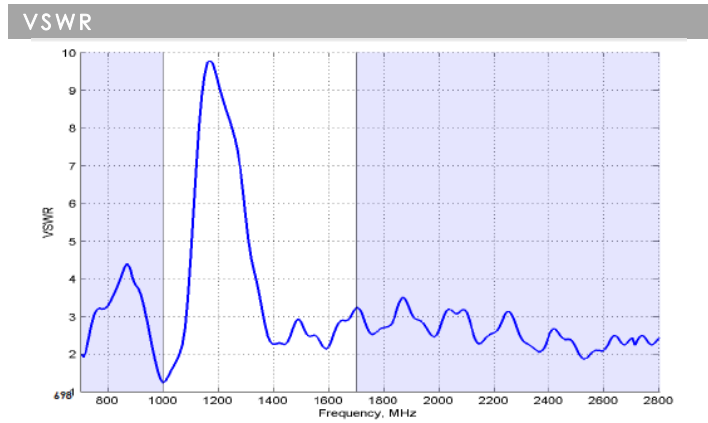
Product dimensions	45 mm x 36 mm x 22 mm
Packaged dimensions:	120 mm x 79 mm x 24 mm
Weight:	0.020kg
Packaged weight:	0.036kg
Radome material:	Thermoplastic Elastomers (TPE)
Radome colour:	Black RAL Black
Mounting Type:	Slide-on

Environmental Specifications, Certification & Approvals

Wind Survival:	N/A
Temperature Range (Operating):	-20°C to +50°C
Environmental Conditions:	Indoor
Salt Spray:	MIL-STD 810F/ASTM B117
Operating Relative Humidity:	Up to 98%
Storage Humidity:	5% to 95% - non-condensing
Storage Temperature:	-20°C to +50°C
Enclosure Flammability Rating:	UL 94-HB
Impact resistance:	IK 08
Product Safety & Environmental:	Complies with CE and RoHS standards



Adapter Performance Plots



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-26 delivers superior performance across all bands with a VSWR of 3:1 or better across 80% of the bands.

Additional Accessories

Extension cables: N/A

Various connectors available

See accessories technical specifications on www.poynting.tech

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