

3G/HSDPA Datacard-to-Antenna Adaptor

Product code: ADPT-024



The adaptor consists of a flat plastic sleeve 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 the datacard signal and divert it to a booster antenna thereby ensuring better datacard signal reception.

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

Features:

- Works with Huawei E220 USB Datacard
- Lightweight
- Robust

Application:

Connecting 3G/HSDPA Datacards to a high gain antenna for improved range and communication.

Specifications:

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ADPT-024

0.5 m RG174 with SMA type (f) connector

Electrical:

Gain (max),
 Gain (min over the band)
 Input Frequency
 VSWR
 Coupling Loss (min over band)
 Coupling Loss (max over band)
 Feed power handling
 E-plane 3 dB beamwidth
 H-plane 3 dB beamwidth
 Nominal input impedance
 Polarisation

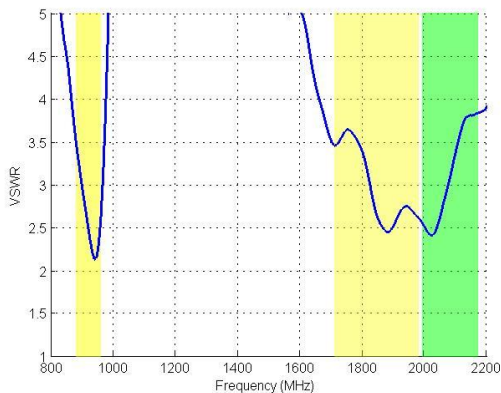
0 dBi (+-0.5 dB)
 0 dBi (+-0.5 dB)
 880-960 and 1990-2170 MHz
 < 3:1 (coupled) < 5:1 (free space)
 -4 dBi
 -7 dBi
 10 W
 N/A
 N/A
 50 Ohm
 Vertical / Horizontal

Mechanical:

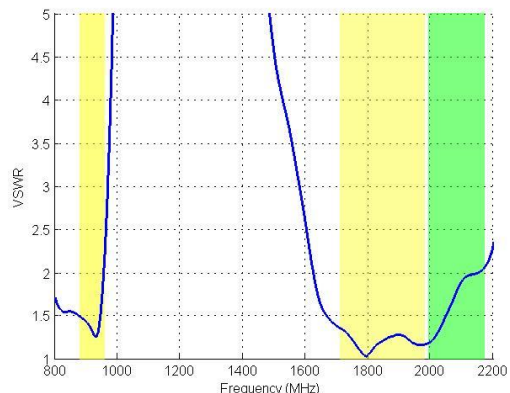
Dimensions (l x w x t)
 Weight
 Mounting

80 mm x 45 x 15 mm
 0.1 kg
 Velcro

Measured VSWR



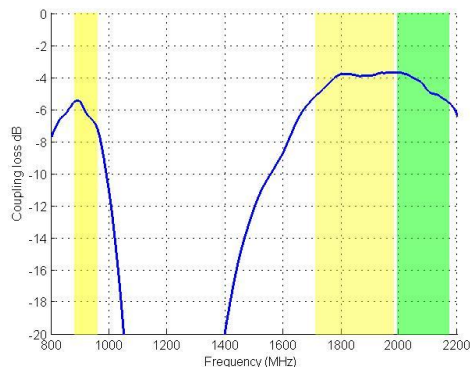
VSWR (free space)



VSWR (coupled)



Connected



Coupling Loss to Huawei E220 antenna

