



Key Features

- Overall Frequency Coverage 700-960 and 1700-2700MHz
- Ideal for Wireless LAN and Bluetooth
- SMA Male connector
- 3M Cable length
- Blade dimensions 132 x 22.5 x 7mm •



General Description

The Alpha 41 is a flexible overmoulded antenna designed for vertical polarisation but having similar properties in the horizontal plane. The antenna comes fitted with a quality 3M adhesive pad to make mounting/ installation simple and fuss free.

The wide bandwidth of the antenna makes it ideal for multiple uses across both telephony and WiFi.

Additional Considerations

- Does not rely on mounting on metallic surface
- WiFi, Bluetooth and ZigBee compatible
- Internal/indoor use

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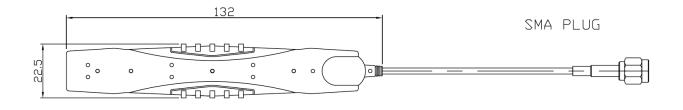


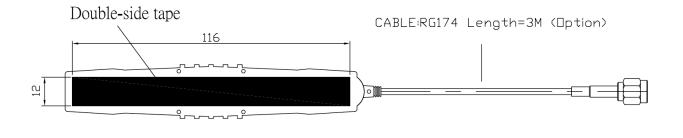
Electrical Specification

Impedance:	50 ohm
Gain:	700 - 960MHz 0dBi 1700 - 2700MHz 2dBi
VSWR:	≤3.6 : 1
Frequency:	700 - 960 / 1700 - 2700MHz
Max power:	50W
Polarization:	Vertical

Mechanical Specification

Dimensions:	132 x 22.5 x 7mm
Cable:	RG174
Connector:	SMA Plug
Mounting method:	Double sided tape







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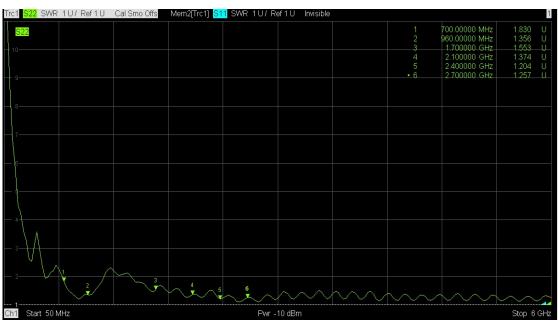


Irc1 522 dB Mag. 5 dB / Ref 0 dB Cal Smo Offs Mem2[Trc1] Sit dB Mag. 5 dB / Ref 0 dB Invisible 1 700.00000 MHz -11.032 dB 10 2 960.0000 0 HHz -11.032 dB -10.022 dB -10.022 dB -10.022 dB -20.090 dB

Test Data

Return Loss

SWR



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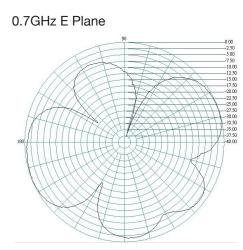
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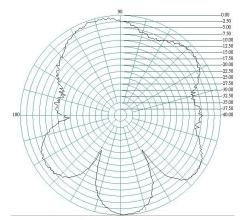




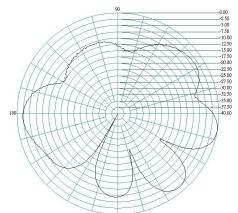
Radiation Patterns



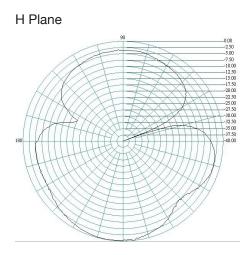
0.8GHz E Plane



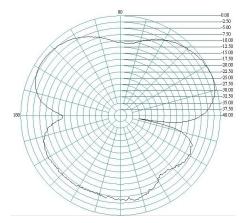




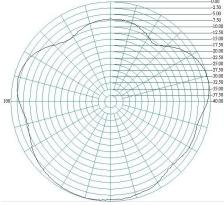
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H Plane







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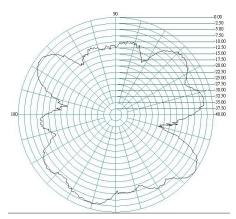
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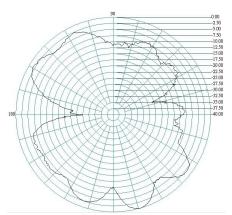




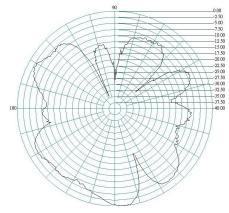
1.7GHz E Plane



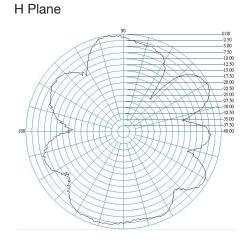
1.8GHz E Plane



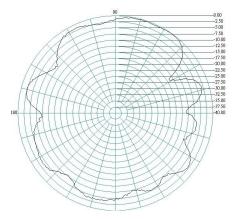
1.9GHz E Plane



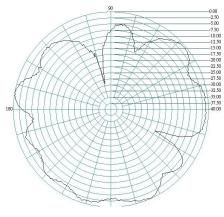
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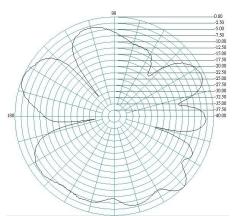
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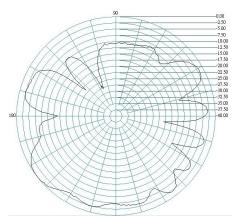




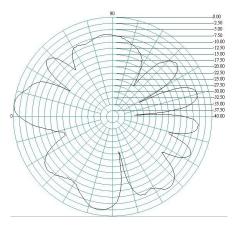
2.1GHz E Plane



2.4GHz E Plane

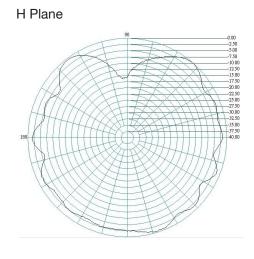


2.5GHz E Plane

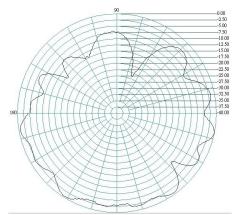


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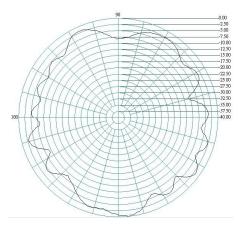
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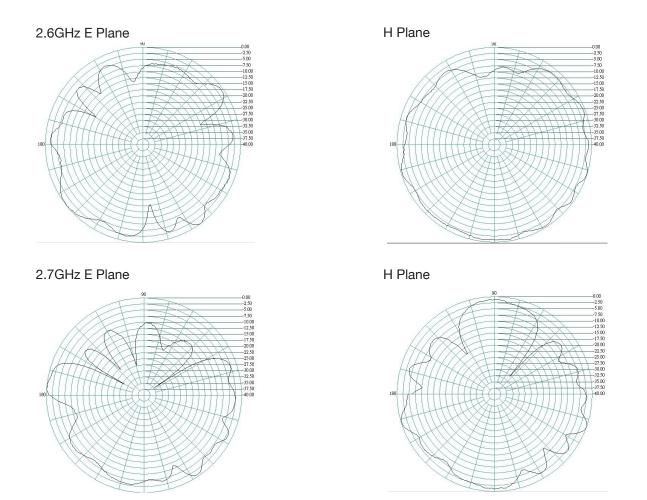
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Ordering Details

Part Number

Description

ALPHA41/3M/SMAM/S/S/19

GSM/UMTS/3G/LTE/WiFi and Bluetooth Antenna, SMA Male

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