

Alpha 41

GSM/UMTS/LTE/WiFi and Bluetooth Antenna

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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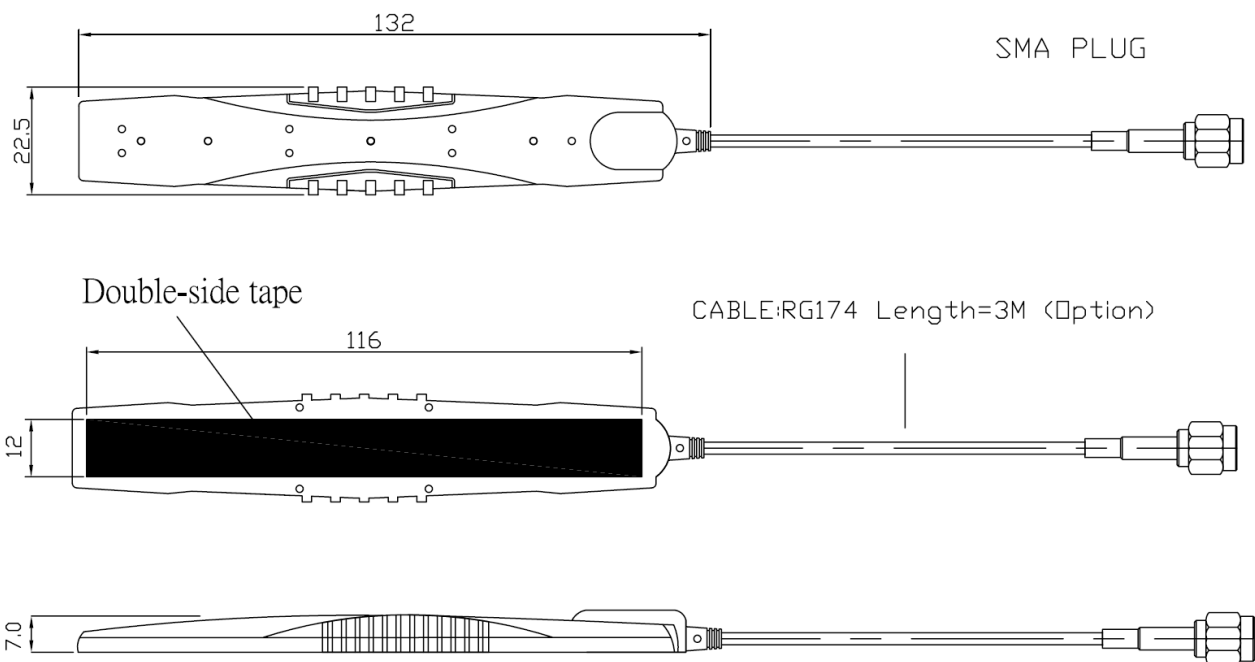
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Electrical Specification

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

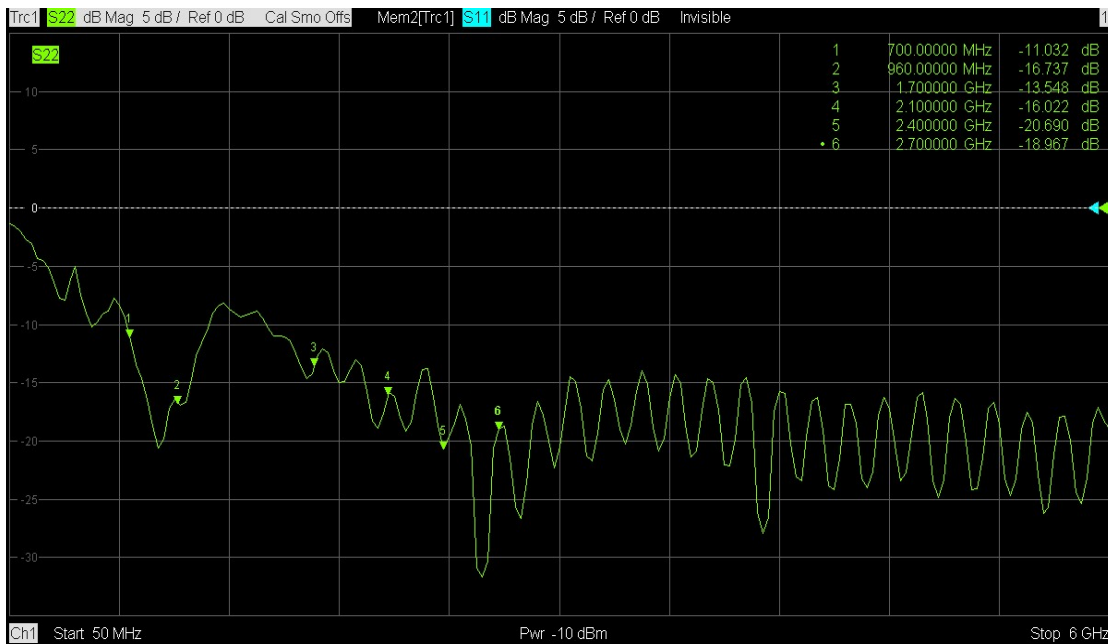


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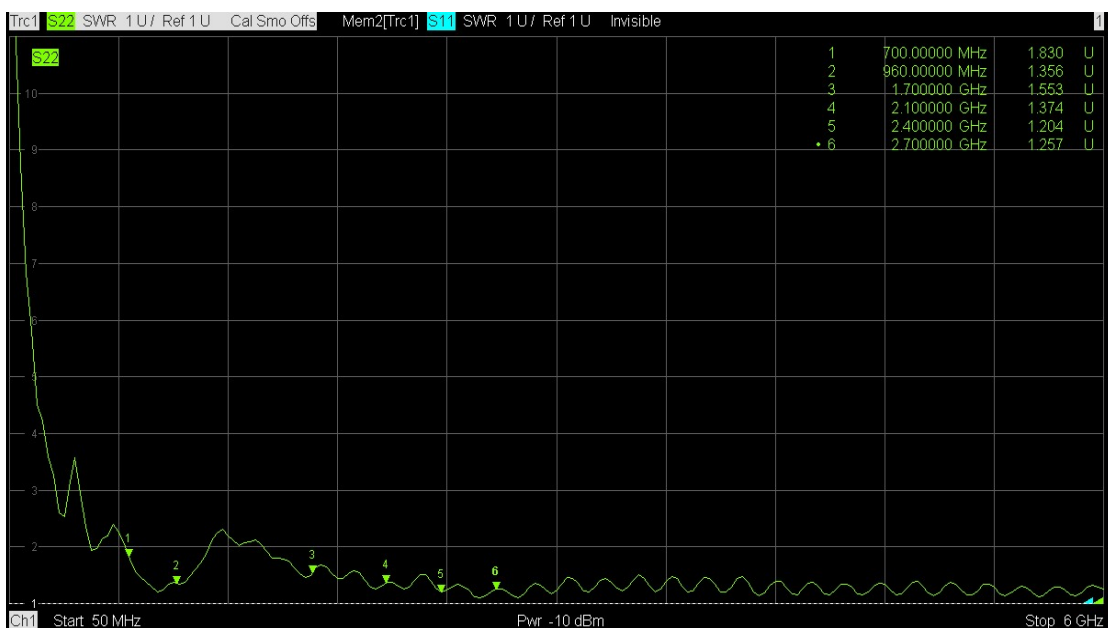
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Test Data

Return Loss



SWR

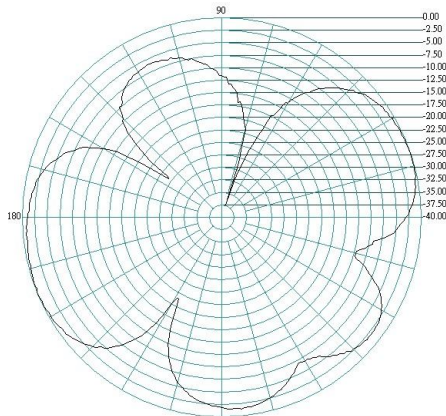


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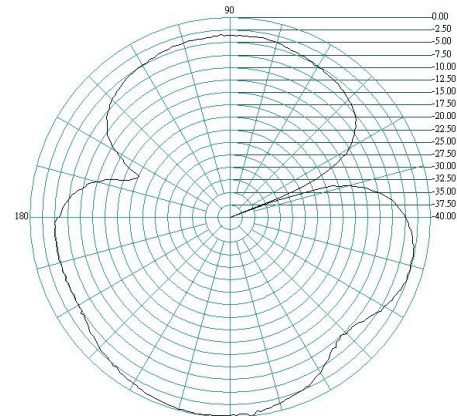
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Radiation Patterns

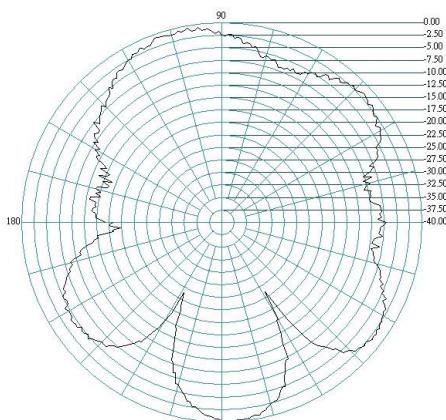
0.7GHz E Plane



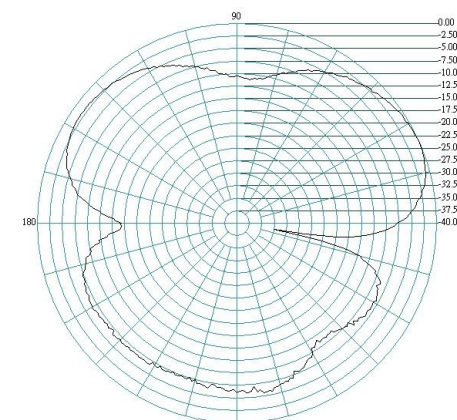
H Plane



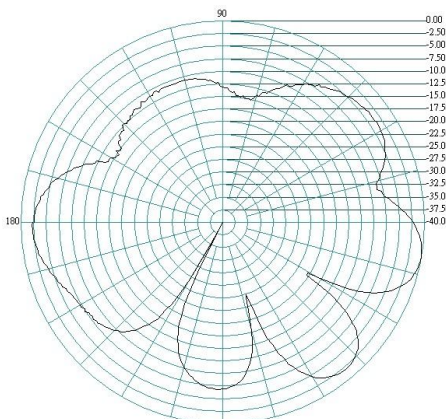
0.8GHz E Plane



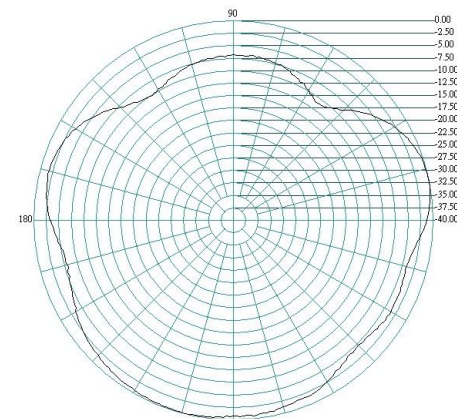
H Plane



0.9GHz E Plane



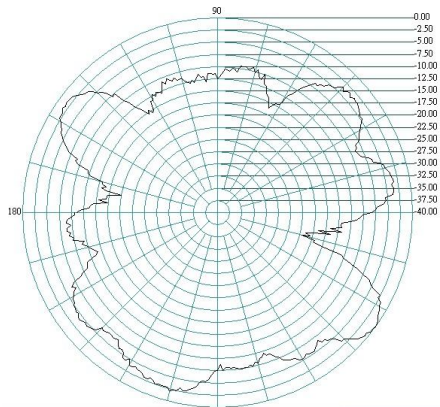
H Plane



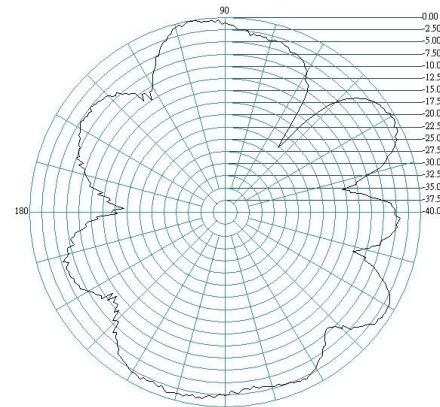
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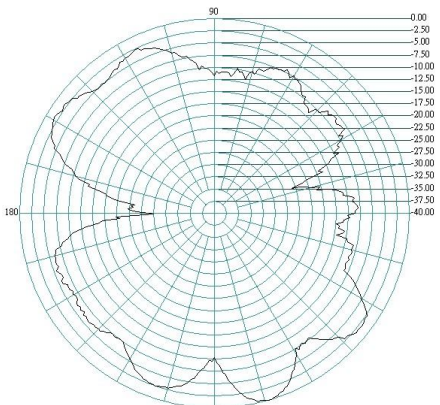
1.7GHz E Plane



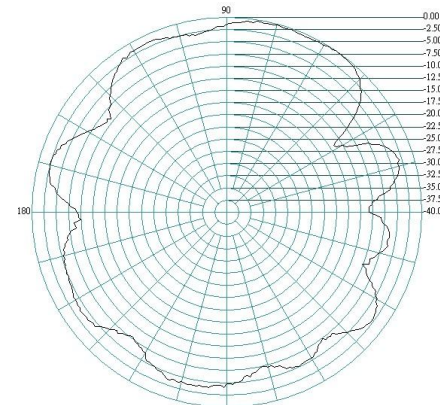
H Plane



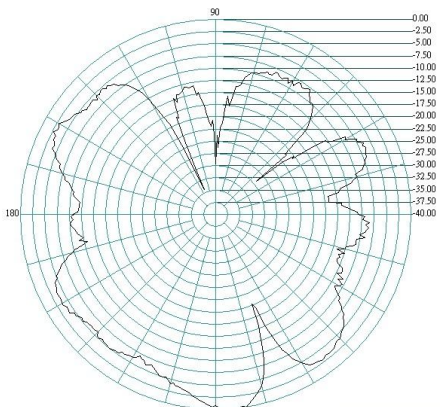
1.8GHz E Plane



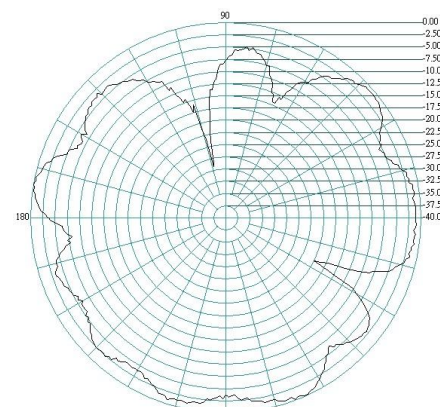
H Plane



1.9GHz E Plane



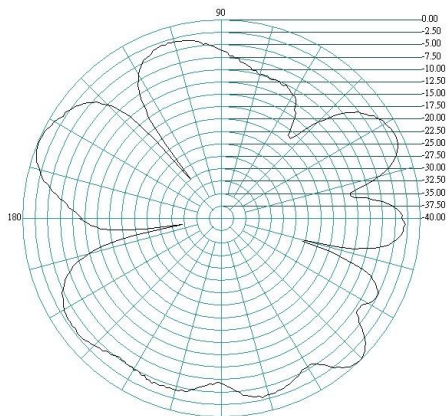
H Plane



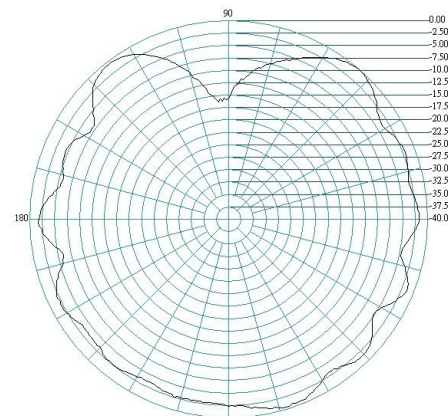
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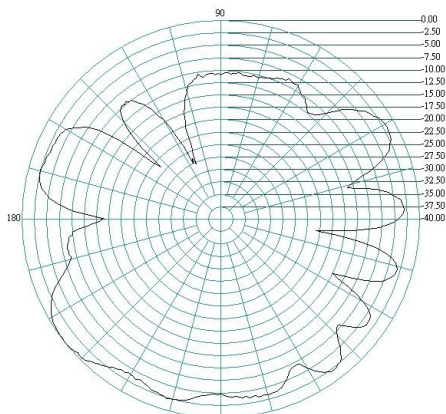
2.1GHz E Plane



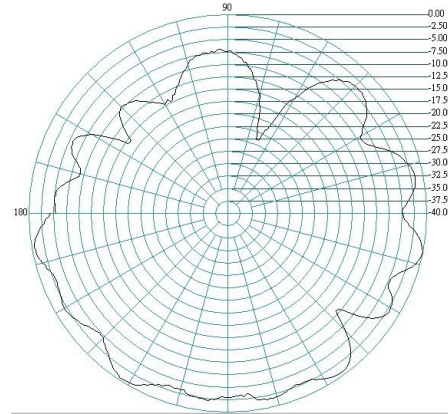
H Plane



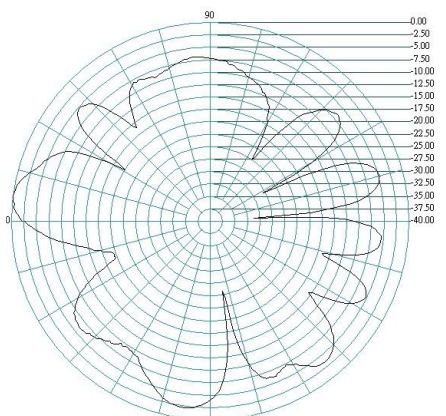
2.4GHz E Plane



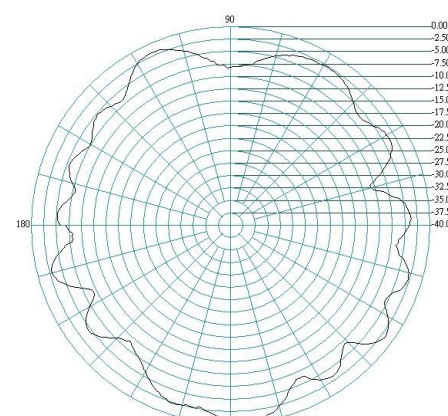
H Plane



2.5GHz E Plane



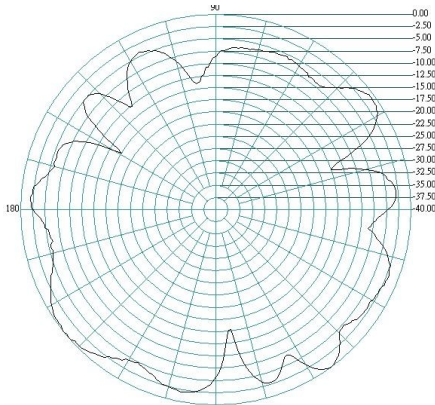
H Plane



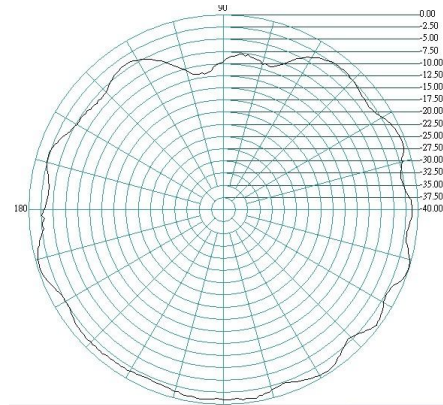
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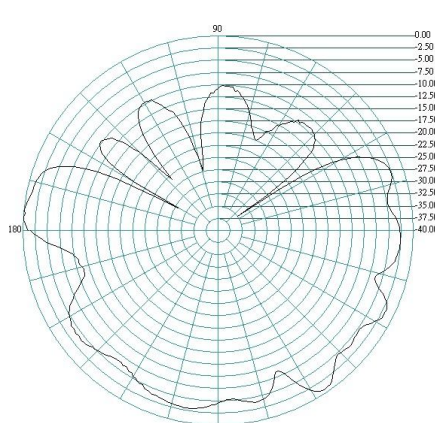
2.6GHz E Plane



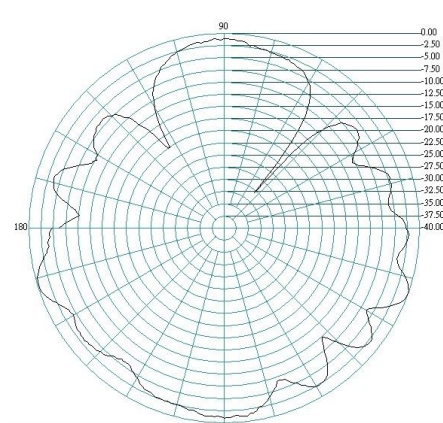
H Plane



2.7GHz E Plane



H Plane



Ordering Details

Part Number	Description
ALPHA41/3M/SMAM/S/S/19	GSM/UMTS/3G/LTE/WiFi and Bluetooth Antenna, SMA Male