Siretta

Enabling Industrial IoT

Echo 26A

18 x 18mm GPS Ceramic Patch Antenna

Key Features

- Low voltage low current consumption
- LNA gain of 27dB
- Centre frequency of 1575.42MHz

General Description

The Echo 26A is GPS antenna with a built in Low Noise Amplifier (LNA) for embedded applications.

This antenna produces an impressive peak gain of 27dB from the LNA, developing a strong signal that influences the speed of acquiring satellites.

Common applications include: vehicle/ fleet/asset tracking, mobile applications and general position services.

Cable length and connector variations possible for small volume orders.

Additional Considerations

- Strong signal reduces satellite fix time
- Ceramic filter to reduce noise
- Meets all EU Criteria for electronic goods

E Embedded

GPS Position

Registered in England No. 08405712
VAT Registration No. GB163 04 0349

ANTENNA TEST LAB Verified

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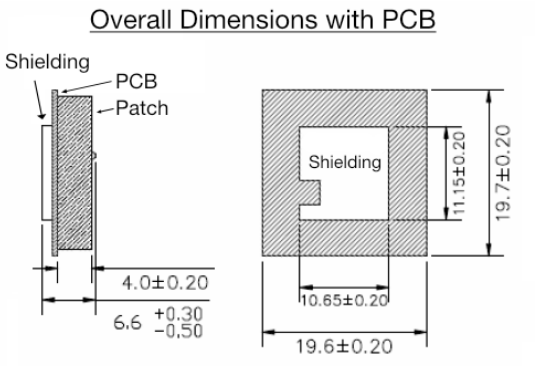
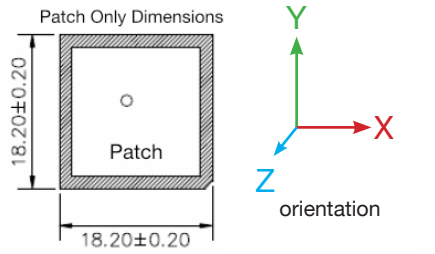
Electrical Specifications

Impedance:	50 ohm
LNA Gain:	27 dB typical
VSWR:	<2.0 :1 Max
Supply voltage:	2.3~5.5 V DC
Current consumption:	2.5V - 6.6 mA 3V - 8.6 mA 4V - 12.6 mA 5V - 16 mA
Centre frequency:	1575.42 MHz ± 1.023 MHz
Bandwidth:	10 MHz
Polarization:	RHCP
Noise figure:	1.5 dB typ
Ex-band attenuation SAW:	30 dB min @fo±50 MHz 35 dB min @fo±100 MHz

Mechanical Specifications

Dimensions:	19.7 x 19.6 x 6.6 mm
Cable:	1.13 mm
Connector:	IPEX
Mounting:	Internal

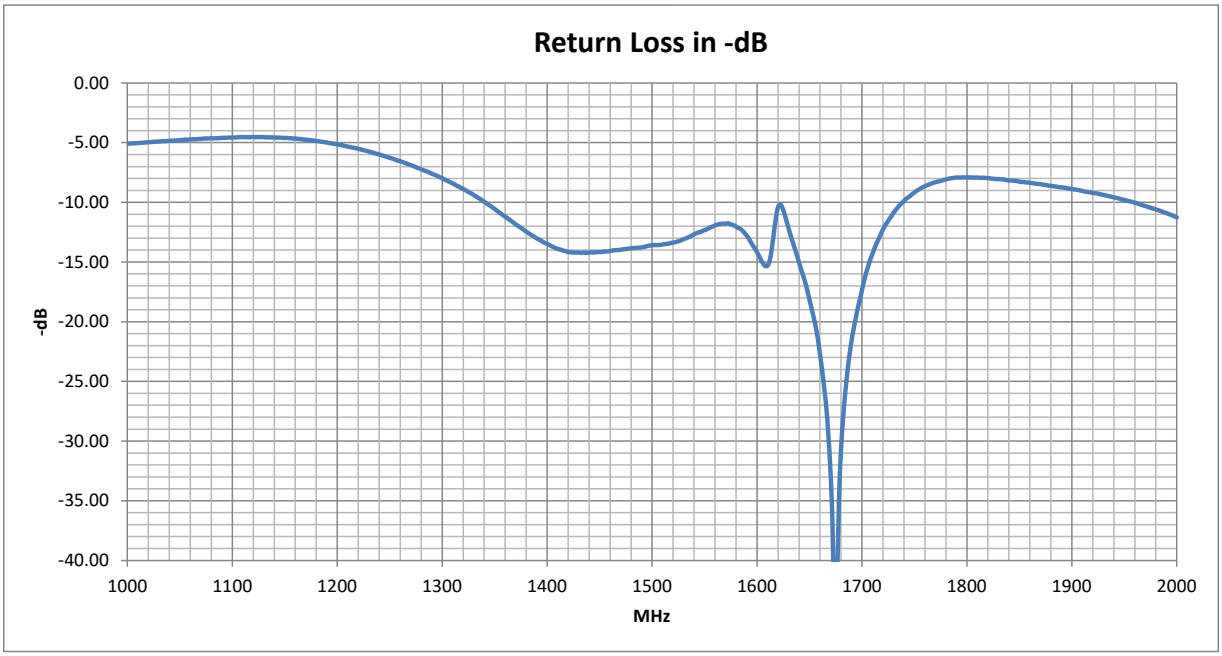




Environmental Specifications

Operating temperature:	-40 to +90 °C
Relative humidity:	10 to 95 %

Return Loss tested with 100 mm cable



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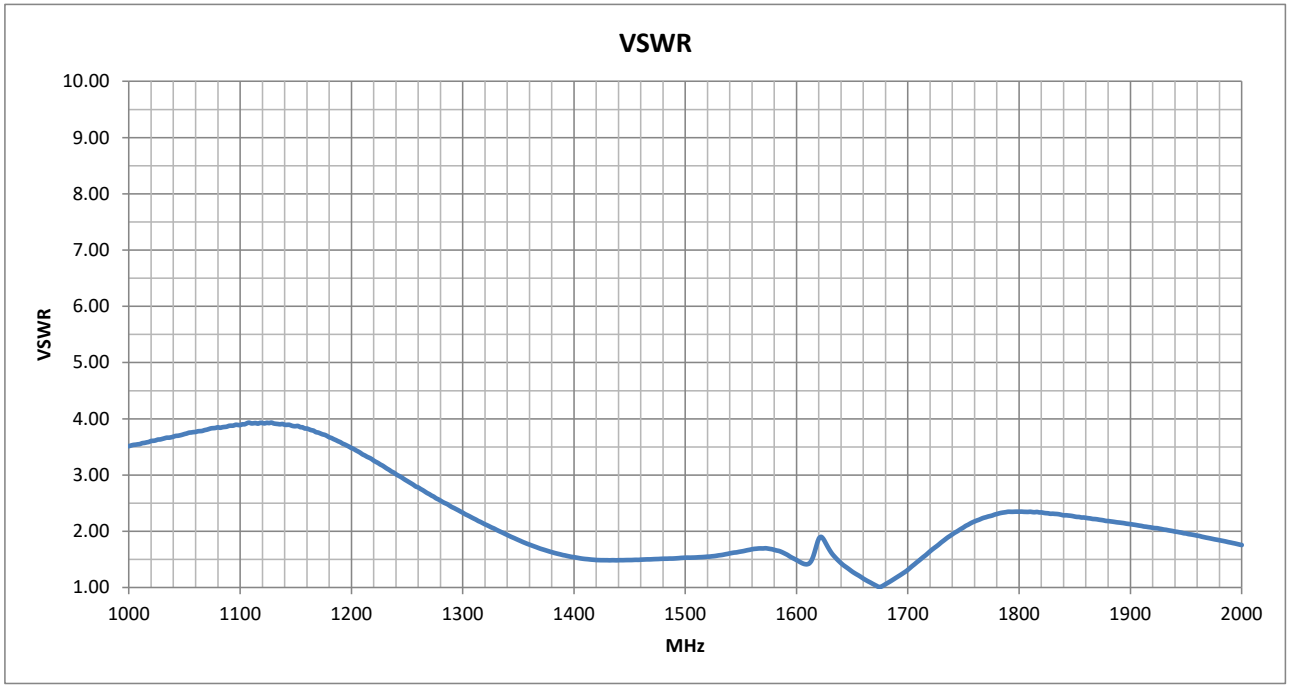
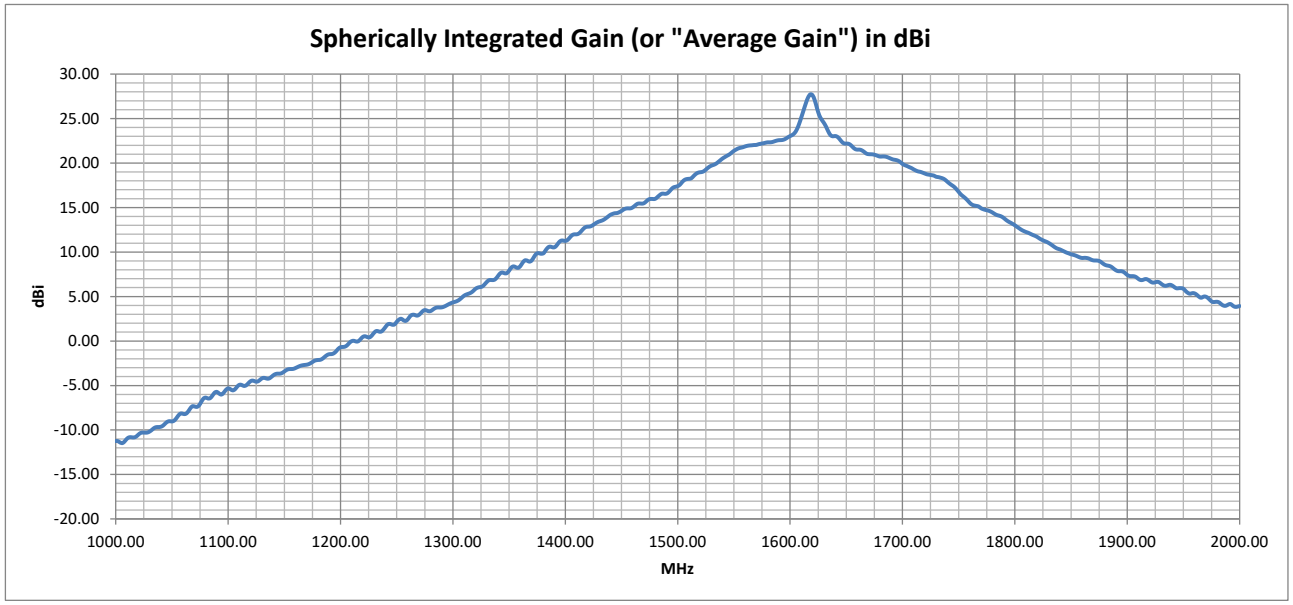
VSWR tested with 100 mm cable



Average Gain tested with 100 mm cable



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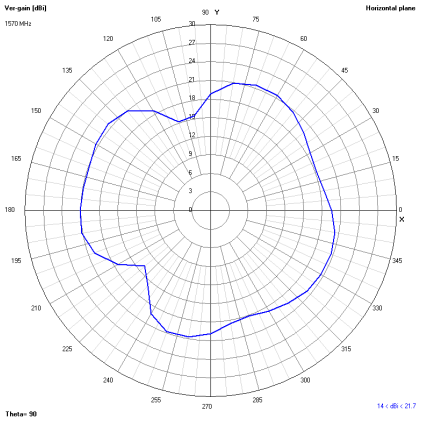
Radiation Plots tested with 100 mm cable

1570 MHz XY



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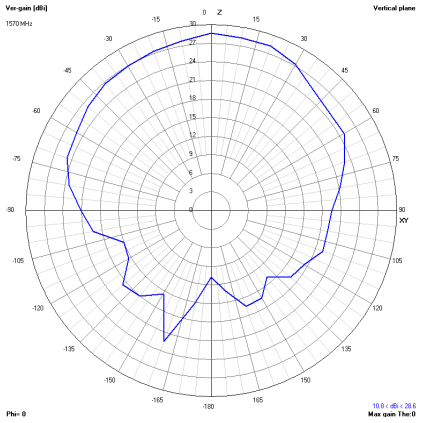

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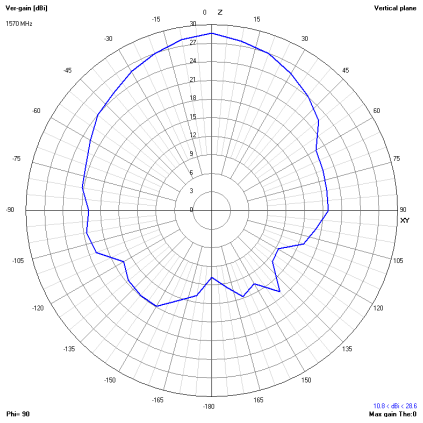
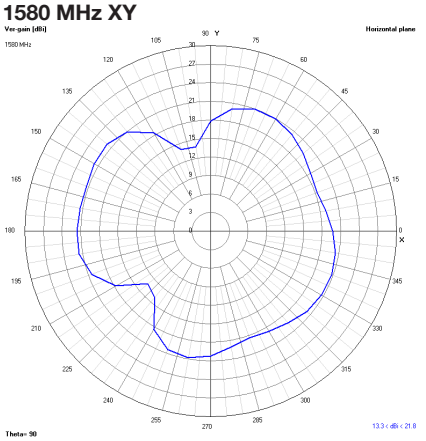


1580 MHz XY



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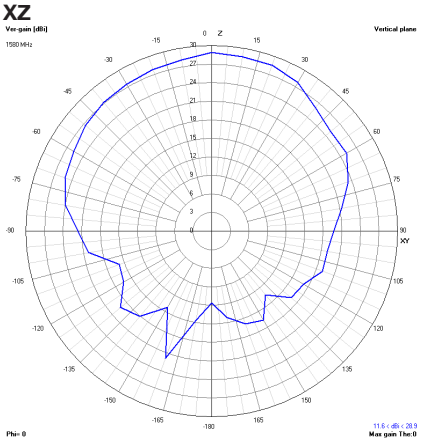

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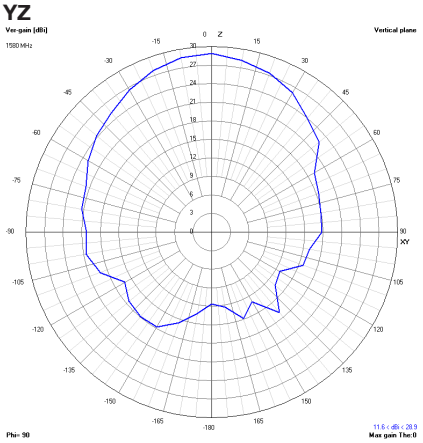

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