

GLYX002 1616-1626.5 MHz RHCP Iridium Patch Antenna

MODEL GLYX002

RHCP patch antenna covering 1616-1626.5 MHz for Iridium satellite communication, with magnet or adhesive mounting.



KEY PERFORMANCE

1616-1626.5 MHz

FREQUENCY RANGE

RHCP

POLARIZATION

3 dBic (Zenith)

GAIN

< 2.0

VSWR

TECHNICAL SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

Frequency range	1616-1626.5 MHz
Bandwidth	10.5 MHz
Polarization	RHCP
Gain	3 dBic (Zenith)
VSWR	< 2.0
Impedance	50 ohm

MECHANICAL SPECIFICATIONS

Dimensions (radome)	45.2 x 35.8 x 15.1 mm (±0.5 mm)
Cable	LMR100 or others
Connector	SMA or others
Radome material	ABS
Mounting method	Magnet / Adhesive

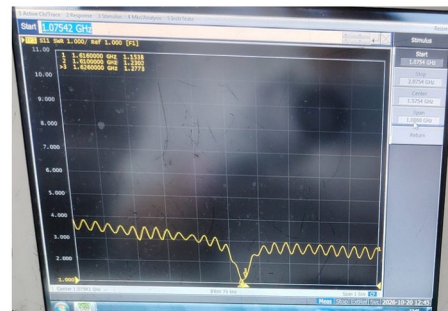
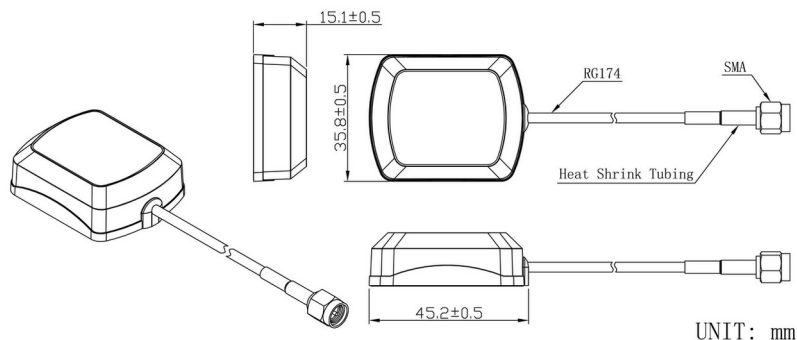
ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40°C to +85°C
Relative humidity	Up to 95%
Ingress protection	IP67
Vibration	10 to 55 Hz with 1.5 mm amplitude, 2 hours
Compliance	RoHS compliant

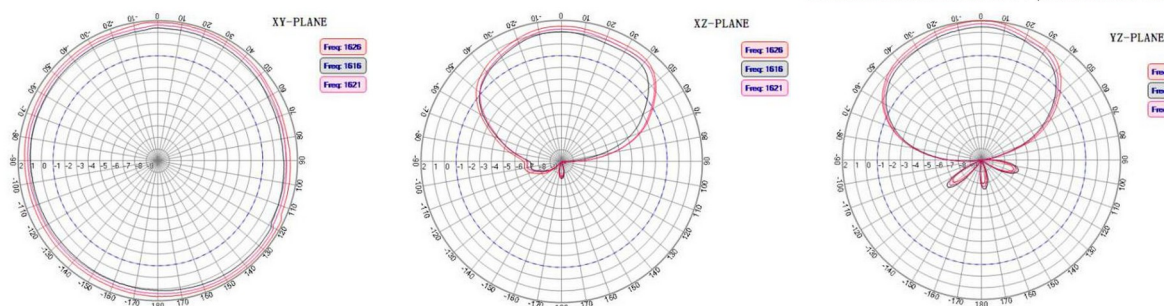
NOTES

Values are taken from the source specification table. Note: the source mechanical drawing labels the feed cable as RG174, while the specification table lists LMR100 or others; both are shown as they appear in the source. Dimensions are read from the source mechanical drawing. Measured SWR values on page 2 come from an in-house network analyzer test on 2026-10-20.

MECHANICAL OUTLINE, RADIATION PATTERN & TEST DATA



Unit under test connected to PORT 1 (measured 2026-10-20)



Radiation pattern - XY / XZ / YZ plane, 1626 / 1616 / 1621 MHz

SOURCE MECHANICAL DRAWING

Cable label in the drawing	RG174
Connector label in the drawing	SMA
Cable termination in the drawing	Heat shrink tubing
Dimension tolerance	±0.5 mm

RADIATION PATTERN

Planes shown	XY / XZ / YZ
Frequencies plotted	1626 / 1616 / 1621 MHz

MEASURED SWR (IN-HOUSE TEST, 2026-10-20)

SWR @ 1.616 GHz	1.1538
SWR @ 1.610 GHz	1.2300
SWR @ 1.626 GHz	1.2773
Sweep setup	Start 1.0754 GHz, Span 1.000 GHz, BW 70 kHz

PACKAGING & SHIPPING



Single unit - sealed plastic bag



Four units - sealed plastic bag



Shipping carton - corrugated cardboard box

PACKING DETAILS

Single-unit packing	One antenna per sealed plastic bag
Multi-unit packing	Four antennas per sealed plastic bag
Shipping carton	Corrugated cardboard box

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CONFIGURATION?

Frequency, connector, cable length and mounting options can be reviewed for your project.

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