



## RV4PX310R

**Argus® Multi-band Antenna, 698–960 MHz and 4 x 1710–2690 MHz, 65° horizontal beamwidth, internal electrical tilt with manual override. Bands cascaded SRET.**



- Integrated Internal Remote Electrical Tilt (RET), with independent control of electrical tilt with manual override on all arrays
- All Internal RET actuators are connected in “Cascaded SRET” configuration

## Electrical Specifications

	LB	LB	LB	HB1/HB2	HB1/HB2	HB1/HB2	HB3/HB4	HB3/HB4	HB3/HB4
Frequency Band, MHz	698–790	790–890	890–960	1710–1920	1920–2170	2300–2690	1710–1920	1920–2170	2300–2690
Gain, dBi	16.0	16.2	16.5	16.8	17.2	18.0	16.5	16.9	17.7
Beamwidth, Horizontal, degrees	67	65	62	62	62	62	62	62	62
Beamwidth, Vertical, degrees	9.8	8.8	8.0	8.2	7.2	5.8	8.2	7.2	5.8
Beam Tilt, degrees	0–10	0–10	0–10	0–10	0–10	0–10	0–10	0–10	0–10
USLS, dB	18	18	18	18	18	18	18	18	18
Null Fill, dB	-22	-22	-22	-22	-22	-22	-22	-22	-22
Front-to-Back Ratio at 180°, dB	25	25	25	25	25	25	25	25	25
Isolation, dB	25	25	25	25	25	25	25	25	25
Isolation, Intersystem, dB	30	30	30	30	30	30	30	30	30
VSWR   Return Loss, dB	1.43   15.0	1.43   15.0	1.43   15.0	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150	-150	-150	-150	-150
Input Power per Port, maximum, watts	300	300	300	250	250	250	250	250	250
Polarization	±45°	±45°	±45°	±45°	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm

## General Specifications

Antenna Brand	Argus®
Antenna Type	DualPol® five bands
Band	Multiband
Brand	Argus®   DualPol®   UltraBand™
Operating Frequency Band	1710 – 2690 MHz   698 – 960 MHz
Number of Ports, all types	10

## Mechanical Specifications

Lightning Protection	dc Ground inner/outer conductor
Radome Material	ASA, UV stabilized
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, total	10
Wind Loading, maximum	1320.0 N @ 160 km/h 296.7 lbf @ 160 km/h
Wind Speed, maximum	200.0 km/h   124.3 mph

## Dimensions

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Depth	209.0 mm		8.2 in
Length	2533.0 mm		99.7 in
Width	353.0 mm		13.9 in
Net Weight	37.0 kg		81.6 lb

## Remote Electrical Tilt (RET) Information

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Input Voltage	10–30 Vdc
Power Consumption, idle state, maximum	2.0 W
Power Consumption, normal conditions, maximum	13.0 W
Protocol	3GPP/AISG 2.0
RET Interface	8-pin DIN Female   8-pin DIN Male
RET Interface, quantity	1 female   1 male

## Included Products

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T-029-GL-E — Argus® Adjustable Tilt Pipe Mounting Kit for 2.9"-4.5" (75-115mm) OD round members for panel antennas. Includes 2 clamp sets.

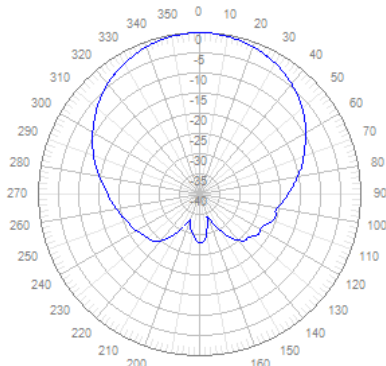
RV4PX310R

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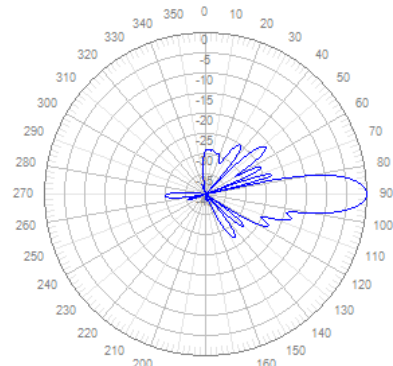


## Horizontal Pattern

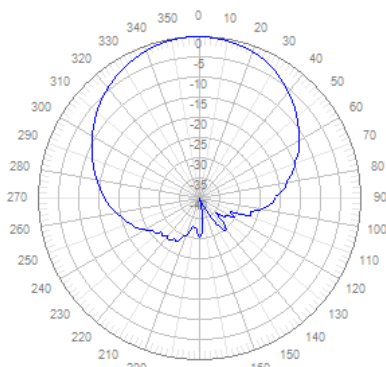
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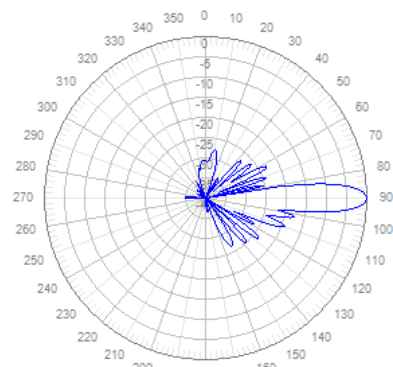
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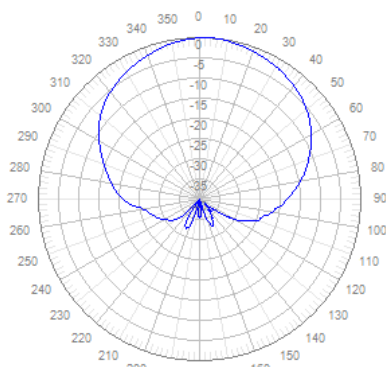
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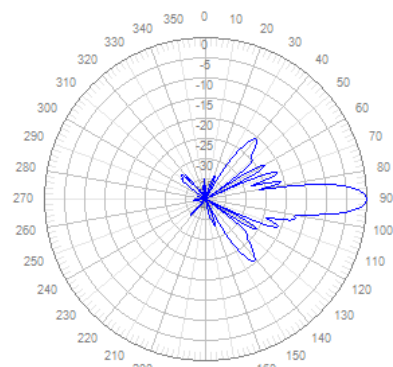
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Freq: 960, Tilt: 0°



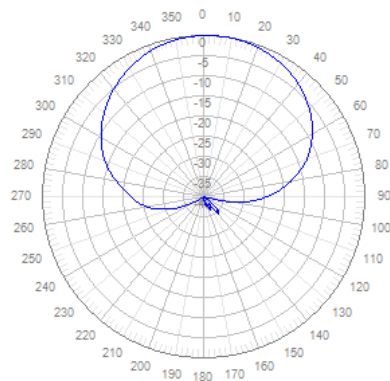
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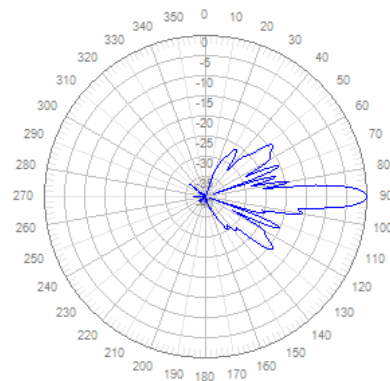
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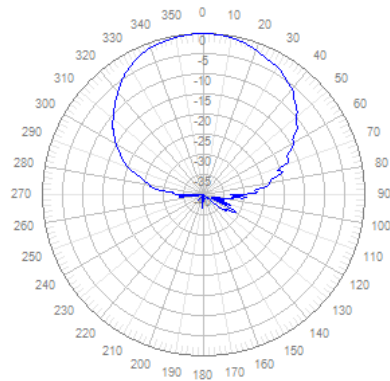
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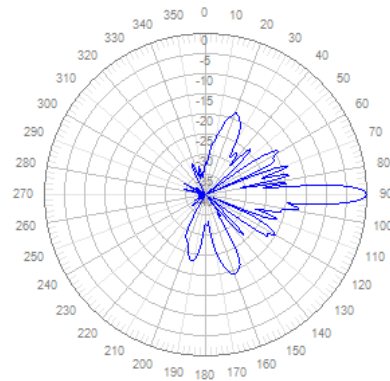
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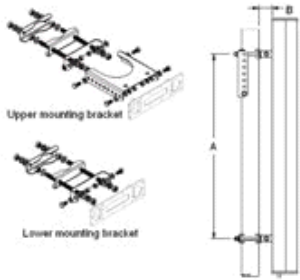
Freq: 2300, Tilt: 0°



Freq: 2690, Tilt: 0°



Freq: 2690, Tilt: 0°



## T-029-GLE

**Argus® Adjustable Tilt Pipe Mounting Kit for 2.9"-4.5" (75-115mm) OD round members for panel antennas. Includes 2 clamp sets.**



### General Specifications

Antenna Brand	Argus®
Mount Type	Pipe mounts
Application	Outdoor
Includes	Brackets   Hardware
Package Quantity	1

### Mechanical Specifications

Color	Silver
Material Type	Galvanized steel
Mechanical Tilt	0°-8°

### Dimensions

Antenna-to-Pipe Distance	85.0 mm   3.3 in
Bracket-to-Bracket Distance	1400.0 mm   55.1 in
Compatible Diameter, maximum	115.0 mm   4.5 in
Compatible Diameter, minimum	75.0 mm   3.0 in
Compatible Length, maximum	2850.0 mm   112.2 in
Compatible Length, minimum	1500.0 mm   59.1 in
Net Weight	6.0 kg   13.2 lb

### Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
RoHS 2011/65/EU	Compliant
China RoHS SJ/T 11364-2006	Below Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

