

# SSPX310R-V2



4-port sector antenna, 4x 3300–3800 MHz, 65° HPBW, 2x RET with manual override

- Integrated Internal Remote Electrical Tilt (RET), with independent control of electrical tilt with manual override on all arrays

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Single band
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	ASA, UV stabilized
<b>RF Connector Interface</b>	4.3-10 Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	4
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	0
<b>RF Connector Quantity, total</b>	4

## Remote Electrical Tilt (RET) Information

<b>RET Interface</b>	8-pin DIN Male
<b>RET Interface, quantity</b>	1 male
<b>Input Voltage</b>	10–30 Vdc
<b>Internal RET</b>	High band (2)
<b>Power Consumption, idle state, maximum</b>	2 W
<b>Power Consumption, normal conditions, maximum</b>	13 W
<b>Protocol</b>	3GPP/AISG 2.0 (Single RET)

## Dimensions

<b>Width</b>	300 mm   11.811 in
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<b>Depth</b>	115 mm   4.528 in
<b>Length</b>	752 mm   29.606 in
<b>Net Weight, without mounting kit</b>	7.5 kg   16.535 lb

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	3300 – 3800 MHz
<b>Polarization</b>	±45°

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>3300–3550</b>	<b>3550–3800</b>
<b>Gain, dBi</b>	17.7	18
<b>Beamwidth, Horizontal, degrees</b>	64	61
<b>Beamwidth, Vertical, degrees</b>	7.3	6.8
<b>Beam Tilt, degrees</b>	0–10	0–10
<b>USLS (First Lobe), dB</b>	23	24
<b>Front-to-Back Ratio at 180°, dB</b>	33	32
<b>Isolation, Cross Polarization, dB</b>	30	30
<b>VSWR   Return loss, dB</b>	1.43   15.0	1.43   15.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-140	-140
<b>Input Power per Port, maximum, watts</b>	150	150

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	253.0 N @ 150 km/h (56.9 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	59.0 N @ 150 km/h (13.3 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	302.0 N @ 150 km/h (67.9 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	356 mm   14.016 in
<b>Depth, packed</b>	201 mm   7.913 in
<b>Length, packed</b>	944 mm   37.165 in
<b>Weight, gross</b>	17 kg   37.479 lb

## Regulatory Compliance/Certifications

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## Agency

CE  
CHINA-ROHS  
ISO 9001:2015  
ROHS  
UK-ROHS

## Classification

Compliant with the relevant CE product directives  
Above maximum concentration value  
Designed, manufactured and/or distributed under this quality management system  
Compliant/Exempted  
Compliant/Exempted



## Included Products

T-095-GL-E – Adjustable Tilt Pipe Mounting Kit for 2.0"-4.5" (60-115mm) OD round members for panel antennas. Includes 2 clamp sets.

## \* Footnotes

### Performance Note

Severe environmental conditions may degrade optimum performance