

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

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

Remote Electrical Tilt (RET) Information

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

Dimensions

Width	300 mm 11.811 in
Depth	115 mm 4.528 in
Length	752 mm 29.606 in

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Net Weight, without mounting kit 7.5 kg | 16.535 lb

Electrical Specifications

Impedance 50 ohm
Operating Frequency Band 3300 – 3800 MHz
Polarization $\pm 45^\circ$

Electrical Specifications

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

Electrical Specifications, BASTA

Frequency Band, MHz	3300–3550	3550–3800
Gain by all Beam Tilts, average, dBi	17.5	17.8
Gain by all Beam Tilts Tolerance, dB	± 0.2	± 0.3
Gain by Beam Tilt, average, dBi	0° 17.4 5° 17.5 10° 17.4	0° 17.9 5° 17.9 10° 17.6
Beamwidth, Horizontal Tolerance, degrees	± 1.8	± 2.3
Beamwidth, Vertical Tolerance, degrees	± 0.2	± 0.2
USLS, beampeak to 20° above beampeak, dB	23	21
Front-to-Back Total Power at 180° \pm 30°, dB	28	28
CPR at Boresight, dB	24	20
CPR at Sector, dB	13	9

Mechanical Specifications

Wind Loading @ Velocity, frontal 253.0 N @ 150 km/h (56.9 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral 59.0 N @ 150 km/h (13.3 lbf @ 150 km/h)

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Wind Loading @ Velocity, rear	302.0 N @ 150 km/h (67.9 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

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

Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted
UK-ROHS	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.
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* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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