

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

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|---|--|
| 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

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|--|----------------------------|
| 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

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|---------------|--------------------|
| 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

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|-----------------------|--------------------|
| 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

| | | |
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| 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

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| Performance Note | Severe environmental conditions may degrade optimum performance |
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