

# UNNPX206R3

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6-port sector antenna, 2x 698–894 and 4x 1710–2180 MHz, 33° HPBW,  
3x RET.



## OBsolete

This product was discontinued on: November 30, 2023

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Multiband
<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>Radiator Material</b>	Aluminum   Low loss circuit board
<b>Reflector Material</b>	Aluminum
<b>RF Connector Interface</b>	7-16 DIN 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>	2
<b>RF Connector Quantity, total</b>	6

## Remote Electrical Tilt (RET) Information

<b>RET Interface</b>	8-pin DIN Female   8-pin DIN Male
<b>RET Interface, quantity</b>	3 female   3 male
<b>Input Voltage</b>	10–30 Vdc
<b>Internal RET</b>	High band (2)   Low band (1)

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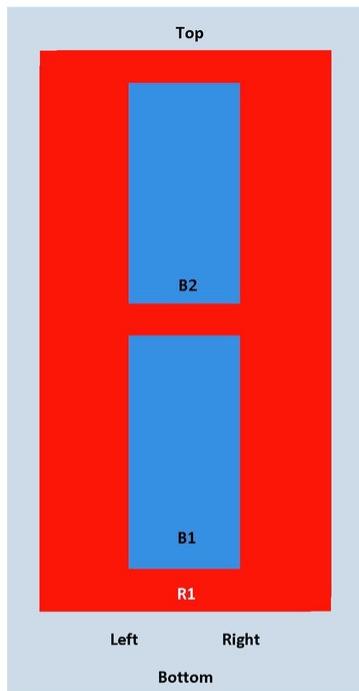
<b>Power Consumption, idle state, maximum</b>	2 W
<b>Power Consumption, normal conditions, maximum</b>	13 W
<b>Protocol</b>	3GPP/AISG 2.0 (Single RET)

## Dimensions

<b>Width</b>	622 mm   24.488 in
<b>Depth</b>	229 mm   9.016 in
<b>Length</b>	1584 mm   62.362 in
<b>Net Weight, without mounting kit</b>	30 kg   66.139 lb

## Array Layout

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Array	Freq (MHz)	Comms	RET (SRET)	AISG RET UID
R1	698-894	1-2	1	ARxxxxxxxxxxxxxxxxxx1
B1	1710-2180	3-4	2	ARxxxxxxxxxxxxxxxxxx2
B2	1710-2180	5-6	3	ARxxxxxxxxxxxxxxxxxx3

View from the front of the antenna

(Sizes of colored boxes are not true  
depictions of array sizes)

## Electrical Specifications

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<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1710 – 2180 MHz   698 – 894 MHz
<b>Polarization</b>	±45°

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>698–790</b>	<b>790–894</b>	<b>1710–1920</b>	<b>1920–2180</b>
<b>Gain, dBi</b>	17.2	17.7	17.4	18.2
<b>Beamwidth, Horizontal, degrees</b>	35	31	34	32
<b>Beamwidth, Vertical, degrees</b>	15.8	14.1	13.2	11.8
<b>Beam Tilt, degrees</b>	0–10	0–10	0–10	0–10
<b>USLS (First Lobe), dB</b>	18	18	18	18
<b>Front-to-Back Ratio at 180°, dB</b>	30	35	28	32
<b>CPR at Boresight, dB</b>	22	21	20	20
<b>Isolation, Cross Polarization, dB</b>	30	30		
<b>Isolation by Beam Tilt, dB</b>			28, 0°   1° 30, 2° – 10°	28, 0°   1° 30, 2° – 10°
<b>Isolation, Inter-band, dB</b>	30	30	30	30
<b>VSWR   Return loss, dB</b>	1.43   15.0	1.43   15.0	1.43   15.0	1.43   15.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-153	-153	-153	-153
<b>Input Power per Port, maximum, watts</b>	500	500	300	300

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	1,206.0 N @ 150 km/h (271.1 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	219.0 N @ 150 km/h (49.2 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	1,237.0 N @ 150 km/h (278.1 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	200 km/h (124 mph)

## Packaging and Weights

<b>Width, packed</b>	712 mm   28.032 in
<b>Depth, packed</b>	330 mm   12.992 in
<b>Length, packed</b>	1787 mm   70.354 in
<b>Weight, gross</b>	50 kg   110.231 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

## Included Products

T-041-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