

6-port sector antenna, 2x 698–896 and 4x 1695–2360 MHz, 85° HPBW, 3x RET

- Interleaved dipole technology providing for attractive, low wind load mechanical package
- Three internal RETs for independent tilt on all three bands
- The antenna is supplied with mounting kits that provide 0 degree of mechanical downtilt; optional downtilt mounting kits are available

This product will be discontinued on: December 31, 2025

General Specifications

Antenna Type Sector

Band Multiband

Color Light Gray (RAL 7035)

Grounding Type RF connector inner conductor and body grounded to reflector and

mounting bracket

Performance Note Outdoor usage | Wind loading figures are validated by wind tunnel

measurements described in white paper WP-112534-EN

Radome Material Fiberglass, UV resistant

Radiator Material Aluminum | Low loss circuit board

Reflector Material Aluminum

RF Connector Interface 7-16 DIN Female

RF Connector Location Bottom

RF Connector Quantity, high band 4
RF Connector Quantity, mid band 0
RF Connector Quantity, low band 2
RF Connector Quantity, total 6

Remote Electrical Tilt (RET) Information

RET Interface 8-pin DIN Female | 8-pin DIN Male

RET Interface, quantity 1 female | 1 male

Input Voltage 10-30 Vdc

Internal RET High band (2) | Low band (1)



Power Consumption, idle state, maximum 2 W

Power Consumption, normal conditions, maximum 13 W

Protocol 3GPP/AISG 2.0 (Multi-RET)

Dimensions

 Width
 301 mm | 11.85 in

 Depth
 180 mm | 7.087 in

 Length
 1851 mm | 72.874 in

Net Weight, without mounting kit 19.1 kg | 42.108 lb

Array Layout



Bottom

Array	Freq (MHz)	Conns	RET (MRET)	AISG RET UID
R1	698-896	1-2	1	ARxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Y1	1695-2360	3-4	2	ARxxxxxxxxxxxxxxxxxxxxxxxxxxx
Y2	1695-2360	5-6	3	ARxxxxxxxxxxxxxxxxx

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

Electrical Specifications

Impedance 50 ohm

Operating Frequency Band 1695 – 2360 MHz | 698 – 896 MHz

Polarization ±45°

Electrical Specifications

Frequency Band, MHz	698-806	806-896	1695-1880	1850-1990	1920-2200	2300-2360
Gain, dBi	14.5	14.4	17	17.6	17.9	17.9
Beamwidth, Horizontal, degrees	82.5	86.1	81	79.3	79	79
Beamwidth, Vertical, degrees	12.3	11.1	5.7	5.3	5	4.6

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Beam Tilt, degrees	0-12	0-12	0-8	0-8	0-8	0-8
USLS (First Lobe), dB	19	18	15	16	17	18
Isolation, Cross Polarization, dB	25	25	25	25	25	25
Isolation, Inter-band, dB	30	30	25	25	25	25
VSWR Return loss, dB	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	-153	-153	-153	-153	-153	-153
Input Power per Port at 50°C, maximum, watts	300	300	300	300	300	250

Mechanical Specifications

Effective Projective Area (EPA), frontal	0.27 m ² 2.906 ft ²
Effective Projective Area (EPA), lateral	0.22 m ² 2.368 ft ²

 Wind Loading @ Velocity, frontal
 283.0 N @ 150 km/h (63.6 lbf @ 150 km/h)

 Wind Loading @ Velocity, lateral
 234.0 N @ 150 km/h (52.6 lbf @ 150 km/h)

 Wind Loading @ Velocity, maximum
 545.0 N @ 150 km/h (122.5 lbf @ 150 km/h)

 Wind Loading @ Velocity, rear
 287.0 N @ 150 km/h (64.5 lbf @ 150 km/h)

Wind Speed, maximum 241 km/h (150 mph)

Packaging and Weights

Width, packed	380 mm 14.961 in
Depth, packed	295 mm 11.614 in
Length, packed	1973 mm 77.677 in
Weight, gross	28 kg 61.729 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.andrew.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



Included Products

BSAMNT-2F

 Mounting bracket for cylindrical pipe installations (60-115mm pipe diameter) for fix mechanical tilt applications.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance

