2NN-33B-HG-R2B

PerforMax



8-port Next Generation PerforMax™ Superior Coverage and Capacity multibeam antenna, 8x 698–894 MHz, 2 x 33° HPBW, 6ft, 2x RET

- Ideal 4T4R low band antenna for use with an FD mMIMO antenna
- Antenna optimized for higher gain with superior radiation efficiency
- Powered by Andrew's SEED® technology (Sustainable Energy Efficient Design)
- Superior patterns for enhanced interference mitigation resulting in improved SINR, higher throughput, and more capacity
- Best in class PIM immunity
- Internal SBT allows remote RET control from the radio over the RF jumper cable

General Specifications

Antenna Type	Multi-beam
Band	Single band
Color	Light Gray (RAL 7035)
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, low band	8

Remote Electrical Tilt (RET) Information

RET Hardware	CommRET v2
RET Interface	8-pin DIN Female | 8-pin DIN Male
RET Interface, quantity	2 female | 2 male
Input Voltage	10–30 Vdc
Internal Bias Tee	Port 1 | Port 5
Internal RET	Low band (2)
Power Consumption, active state, maximum	10 W
Power Consumption, idle state, maximum	2 W
Protocol	3GPP/AISG 2.0 (Single RET)

Dimensions

Width	749 mm | 29.488 in

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Depth	197 mm | 7.756 in
Length	1848 mm | 72.756 in
Net Weight, without mounting kit	43.8 kg | 96.562 lb

Array Layout



Array ID	Frequency (MHz)	RF Connector	BEAM Number	AZ Beam (deg)	RET	AISG No.	SBT RF PORT	SBT No.	RET UID
R1	698-894	1-2	BEAM 1	+27	1	AISG1	1	1	ANxxxxxxxxxxxxxR1
R2	698-894	3-4							
R3	698-894	5-6	BEAM 2	-27	2	AISG2	5	2	ANxxxxxxxxxxxxxR3
R4	698-894	7-8							

Port Configuration



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	698 – 894 MHz
Polarization	±45°
Total Input Power, maximum	1,000 W

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Mechanical Specifications

Wind Loading @ Velocity, frontal	1,768.0 N @ 150 km/h (397.5 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	191.0 N @ 150 km/h (42.9 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	1,768.0 N @ 150 km/h (397.5 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	1,768.0 N @ 150 km/h (397.5 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	915 mm | 36.024 in
Depth, packed	357 mm | 14.055 in
Length, packed	2438 mm | 95.984 in
Weight, gross	67.8 kg | 149.473 lb

Regulatory Compliance/Certifications

Agency	**Classification**
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.andrew.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

Included Products

BSAMNT-9	–	Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance

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