DBXDH-6565B-VTM | DBXDH-6565B-A2M

4-port sector antenna, 2x 790–960 and 2x 1710–2180 MHz, 65° HPBW, RET compatible

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
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	2
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	2
RF Connector Quantity, total	4

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 2.0 Actuator	DBXDH-6565B-A2M

Dimensions

Width	301 mm	11.85 in
Depth	181 mm	7.126 in
Length	1998 mm	78.661 in
Net Weight, without mounting kit	22.8 kg	50.265 lb

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Array Layout

Array	Freq (MHz)	Conns
R1	790-960	1-2
B1	1710-2180	3-4

Bottom

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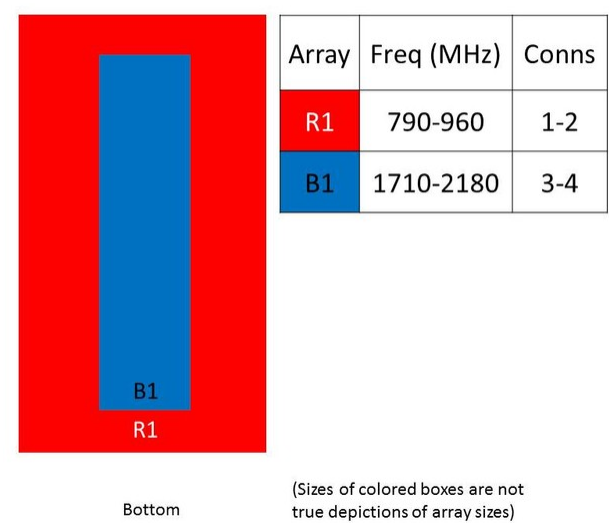
Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1710 – 2180 MHz | 790 – 960 MHz
Polarization	±45°

Electrical Specifications

Frequency Band, MHz	790–896	870–960	1710–1880	1850–1990	1920–2180
Gain, dBi	15.8	16.7	18.7	18.6	18.3
Beamwidth, Horizontal, degrees	68	65	63	62	62
Beamwidth, Vertical, degrees	10	9.3	5.2	5	4.8
Beam Tilt, degrees	2–12	2–12	1–8	1–8	1–8
USLS (First Lobe), dB	15	15	15	15	15
Front-to-Back Ratio at 180°, dB	28	29	33	32	31
Isolation, Cross Polarization, dB	30	30	30	30	30
Isolation, Inter-band, dB	37	35	40	40	40
VSWR | Return loss, dB	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	-150	-150	-150	-150	-150

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DBXDH-6565B-VTM | DBXDH-6565B-A2M

Input Power per Port, maximum, watts	500	500	400	400	400

Mechanical Specifications

Wind Loading @ Velocity, frontal	681.0 N @ 150 km/h (153.1 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	216.0 N @ 150 km/h (48.6 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	800.0 N @ 150 km/h (179.8 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	411 mm | 16.181 in
Depth, packed	284 mm | 11.181 in
Length, packed	2314 mm | 91.102 in
Weight, gross	35 kg | 77.162 lb

Regulatory Compliance/Certifications

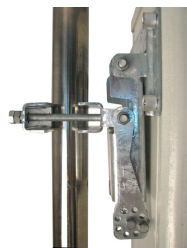| Agency	Classification
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.andrew.com/ProductCompliance
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

Included Products

BSAMNT-3	–	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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BSAMNT-3

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.

Product Classification

Product Type	Downtilt mounting kit

General Specifications

Application	Outdoor
Color	Silver

Dimensions

Compatible Diameter, maximum	115 mm | 4.528 in
Compatible Diameter, minimum	60 mm | 2.362 in
Weight, net	6.2 kg | 13.669 lb

Material Specifications

Material Type	Galvanized steel

Packaging and Weights

Included	Brackets | Hardware
Packaging quantity	1
Weight, gross	6.4 kg | 14.11 lb

Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives
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

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BSAMNT-3

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