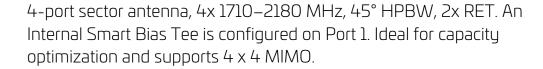
HH45A-2XB1



OBSOLETE

This product was discontinued on: September 30, 2020

General Specifications

Antenna Type Sector

Band Single band

Color Light Gray (RAL 7035)

Grounding TypeRF connector body grounded to reflector and mounting bracket

Performance Note Outdoor usage

Radome MaterialFiberglass, UV resistantRadiator MaterialLow loss circuit board

Reflector Material Aluminum

RF Connector Interface 7-16 DIN Female

RF Connector LocationBottom

RF Connector Quantity, high band 4
RF Connector Quantity, total 4

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 Bias Tee Port 1

Internal RET High band (2)

Power Consumption, idle state, maximum 2 W
Power Consumption, normal conditions, maximum 13 W

Protocol 3GPP/AISG 2.0 (Multi-RET)



HH45A-2XB1

Dimensions

 Width
 407 mm | 16.024 in

 Depth
 120 mm | 4.724 in

 Length
 1278 mm | 50.315 in

 Net Weight, without mounting kit
 14.7 kg | 32.408 lb

Electrical Specifications

Impedance 50 ohm

Operating Frequency Band 1710 – 2180 MHz

Polarization ±45°

Electrical Specifications

Frequency Band, MHz	1710-1880	1850-1990	1920-2180
Gain, dBi	18.2	18.9	19.2
Beamwidth, Horizontal, degrees	46	44	43
Beamwidth, Vertical, degrees	7.4	7	6.6
Beam Tilt, degrees	2-12	2-12	2-12
USLS (First Lobe), dB	17	16	16
Front-to-Back Ratio at 180°, dB	35	30	28
Isolation, Cross Polarization, dB	28	28	28
Isolation, Inter-band, dB	30	30	30
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153
Input Power per Port, maximum, watts	300	300	300

Electrical Specifications, BASTA

Frequency Band, MHz	1710-1880	1850-1990	1920-2180
Gain by all Beam Tilts, average, dBi	17.8	18.5	18.8
Gain by all Beam Tilts Tolerance, dB	±0.5	±0.5	±0.4
Gain by Beam Tilt, average, dBi	2° 17.7 7° 17.9 12° 17.8	2° 18.3 7° 18.6 12° 18.5	2° 18.6 7° 18.9 12° 18.5
Beamwidth, Horizontal Tolerance, degrees	±2.5	±1.9	±2.1
Beamwidth, Vertical Tolerance, degrees	±0.4	±0.3	±0.5
USLS, beampeak to 20° above beampeak, dB	15	18	18



HH45A-2XB1

Front-to-Back Total Power at 180° ± 30°, dB	27	26	26
CPR at Boresight, dB	17	17	16
CPR at Sector, dB	11	13	14

Mechanical Specifications

 Wind Loading @ Velocity, frontal
 577.0 N @ 150 km/h (129.7 lbf @ 150 km/h)

 Wind Loading @ Velocity, lateral
 88.0 N @ 150 km/h (19.8 lbf @ 150 km/h)

 Wind Loading @ Velocity, rear
 675.0 N @ 150 km/h (151.7 lbf @ 150 km/h)

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

Packaging and Weights

 Width, packed
 552 mm | 21.732 in

 Depth, packed
 292 mm | 11.496 in

 Length, packed
 1403 mm | 55.236 in

 Weight, gross
 26.2 kg | 57.761 lb

Regulatory Compliance/Certifications

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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.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



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 NoteSevere environmental conditions may degrade optimum performance

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