

HHTT65A-F-4X2



8-port sector antenna, 4x 1710–2170 and 4x 2490–2690 MHz, 65° HPBW, factory attached AccuRET®

- Provides a future-ready antenna solution with flexibility to reassign antenna, for example GSM 1800 service to 2.6GHz LTE at a later date
- RF technology flexible—suitable for LTE, UMTS, CDMA, GSM, AWS, WiMAX, and other applications from 1.7–2.7 GHz
- Fully independent RET control, at same size as standard quad port antenna
- Excellent RF pattern control over the full operating band and tilt range for desired coverage and interference containment

OBSOLETE

This product was discontinued on: March 27, 2020

General Specifications

Antenna Type	Sector
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
Radome Material	PVC, UV resistant
Radiator Material	Low loss circuit board
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	8
RF Connector Quantity, total	8

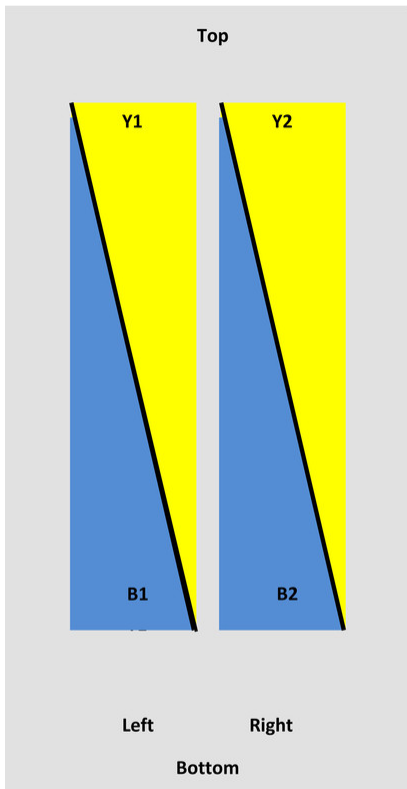
Dimensions

Width	305 mm 12.008 in
Depth	118 mm 4.646 in
Length	1390 mm 54.724 in
Net Weight, without mounting kit	16.5 kg 36.376 lb

Array Layout

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Array	Freq (MHz)	Conns
B1	1710-2170	1-2
B2	1710-2170	3-4
Y1	2490-2690	5-6
Y2	2490-2690	7-8

View from the front of the antenna

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

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1710 – 2170 MHz 2490 – 2690 MHz
Polarization	±45°

Electrical Specifications

Frequency Band, MHz	1710–1880	1850–1990	1920–2170	2490–2690
Gain, dBi	16.6	17.3	17.5	17.6
Beamwidth, Horizontal, degrees	68	67	67	62
Beamwidth, Vertical, degrees	6.8	6.4	6.1	5.1
Beam Tilt, degrees	0–12	0–12	0–12	0–12
USLS (First Lobe), dB	15	15	14	14

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Front-to-Back Ratio at 180°, dB	26	25	25	24
CPR at Boresight, dB	16	17	16	18
CPR at Sector, dB	12	12	11	9
Isolation, Cross Polarization, dB	28	28	28	28
Isolation, Inter-band, dB	28	28	28	28
VSWR Return loss, dB	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
Input Power per Port, maximum, watts	300	300	300	250

Electrical Specifications, BASTA

Frequency Band, MHz	1710–1880	1850–1990	1920–2170	2490–2690
Gain by all Beam Tilts, average, dBi	16.5	16.9	17	17.5
Gain by all Beam Tilts Tolerance, dB	±0.6	±0.4	±0.5	±0.8
Gain by Beam Tilt, average, dBi	0° 16.4 6° 16.6 12° 16.4	0° 17.1 6° 17.0 12° 16.7	0° 17.0 6° 17.2 12° 16.8	0° 17.6 6° 17.7 12° 16.9
Beamwidth, Horizontal Tolerance, degrees	±6	±5	±5	±4.0
Beamwidth, Vertical Tolerance, degrees	±0.3	±0.4	±0.5	±0.3
USLS, beampeak to 20° above beampeak, dB	16	16	16	17
Front-to-Back Total Power at 180° ± 30°, dB	23	24	24	25
CPR at Boresight, dB	16	18	17	19
CPR at Sector, dB	13	14	13	8

Mechanical Specifications

Wind Loading @ Velocity, frontal	515.0 N @ 150 km/h (115.8 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	121.0 N @ 150 km/h (27.2 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	562.0 N @ 150 km/h (126.3 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	410 mm 16.142 in
Depth, packed	261 mm 10.276 in
Length, packed	1530 mm 60.236 in

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Weight, gross 25.4 kg | 55.997 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
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted



Included Products

- 600899A-2 – 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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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 114.3 mm | 4.5 in

Compatible Diameter, minimum 61 mm | 2.402 in

Weight, net 3.9 kg | 8.598 lb

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware

Packaging quantity 1

Weight, gross 4.2 kg | 9.259 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.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

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