3FF6VV6SS-B-R3B

60 port multibeam ultra-high capacity antenna, 3 beams for 617-894 MHz, 6 beams for 1695-2690 MHz, 6 beams for 3300-4000 MHz, 4 ports for each beam, 1 RET per band

- Ultra-high capacity antenna provides increased throughput for special events or very high traffic locations
- Provides higher capacity than single radio massive MIMO solution
- Multi-beam antenna with 3x LB beams, 6x MB beams and 6x 3GHz beams
- All beams support 4T4R service or 2T2R service for 2 licensed bands
- 3.5 GHz beams aligned with mid band beams for use with 5G NSA or SA
- One RET and one SBT for LB , Two RET and One SBT Mid and High band for remote optimization and RET control

General Specifications

Antenna Type	Multibeam
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
Radome Material	Fiberglass, UV resistant
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	24
RF Connector Quantity, mid band	24
RF Connector Quantity, low band	12
RF Connector Quantity, total	60

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

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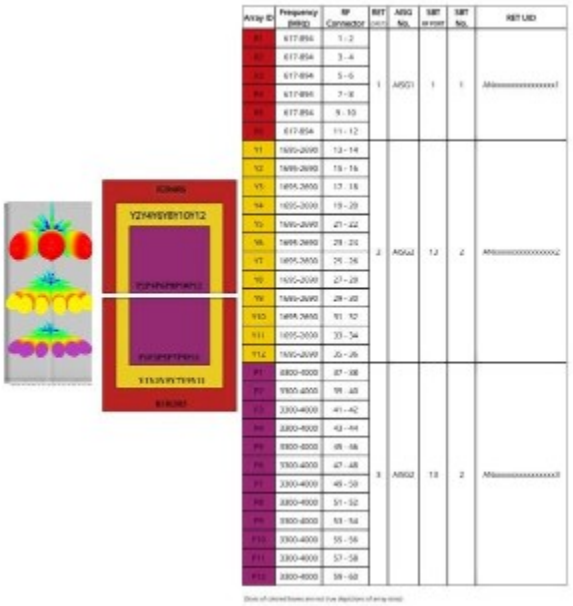
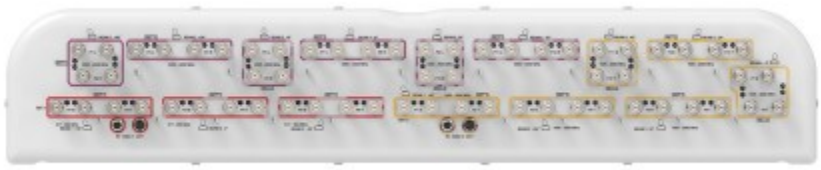
Dimensions

Width	1302 mm | 51.26 in
Depth	236 mm | 9.291 in
Length	2045 mm | 80.512 in
Net Weight, antenna only	123 kg | 271.168 lb

Array Layout



Port Configuration



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2690 MHz | 3300 – 4000 MHz | 617 – 894 MHz
Polarization	±45°
Total Input Power, maximum	3,840 W

3FF6VV6SS-B-R3B

Electrical Specifications

	R1-R4	R1-R4	Y1-Y12	Y1-Y12	Y1-Y12	P1-P12	P1-P12
Frequency Band, MHz	**617–728**	**814–894**	**1695–1990**	**1920–2180**	**2300–2690**	**3300–3700**	**3700–4000**
RF Port	1-12	1-12	13-36	13-36	13-36	37-60	37-60
Gain, dBi	14.8	15.6	20.2	20.7	21.2	19.6	19.7
Beam Centers, Horizontal, degrees	±0 ±30	±0 ±30	±8 ±24 ±40	±8 ±24 ±40	±8 ±24 ±40	±8 ±24 ±40	±8 ±24 ±40
Beamwidth, Horizontal, degrees	25	22	11	11	9	12	11
Beamwidth, Vertical, degrees	30	27	13.4	12.3	10.1	14	12.8
Beam Tilt, degrees	6–14	6–14	4–10	4–10	4–10	4–10	4–10
Front-to-Back Ratio at 180°, dB	28	32	31	29	27	28	27
Isolation, Cross Polarization, dB	25	25	25	25	25	25	25
Isolation, Inter-band, dB	25	25	25	25	25	25	25
Isolation, Beam to Beam, dB	15	16	19	19	18	15	15
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	1.5 | 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-145	-145
Input Power per Port, maximum, watts	120	120	120	120	120	40	40

Mechanical Specifications

Wind Loading @ Velocity, frontal	3,486.0 N @ 150 km/h (783.7 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	769.0 N @ 150 km/h (172.9 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	3,486.0 N @ 150 km/h (783.7 lbf @ 150 km/h)

Packaging and Weights

Width, packed	1615 mm | 63.583 in
Depth, packed	650 mm | 25.591 in
Length, packed	2570 mm | 101.181 in
Weight, gross	345 kg | 760.594 lb

Regulatory Compliance/Certifications

Agency	Classification
UK-ROHS	Compliant

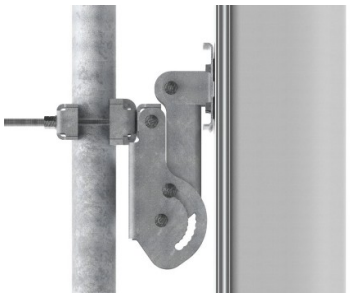
Included Products

BSAMNT-8	–	Wide Profile Antenna Down tilt Mounting Kit for 3.0 - 4.5 in (75 - 115mm) 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

BSAMNT-8



Wide Profile Antenna Down tilt Mounting Kit for 3.0 - 4.5 in (75 - 115mm) 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	6 kg | 13.228 lb

Material Specifications

Material Type	Galvanized steel

Packaging and Weights

Included	Brackets | Hardware
Packaging quantity	1
Weight, gross	6.2 kg | 13.669 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

BSAMNT-8