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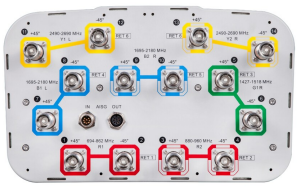

14-port, 1.5m, multiband antenna, RF port assignments are as follows: R1 = 694–862, R2 = 880–960, G1 = 1427-1518, B1 & B2 = 1695–2180 and Y1 & Y2 = 2490-2690 MHz, 65° HPBW, 6x RET. Y1 & Y2 share a common RET

- Electrical tilt settings applicable to RF Ports R1, R2, G1, B1 & B2 can be set independently (See Array Layout and RET Table below)
- A common electrical tilt setting is shared by RF Ports Y1 & Y2
- All Internal RET actuators are connected in “Cascaded SRET” configuration

General Specifications

Antenna Type	Sector
Band	Multiband
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, mid band	10
RF Connector Quantity, low band	4
RF Connector Quantity, total	14

Remote Electrical Tilt (RET) Information

RET Hardware	CommRET v2
RET Interface	8-pin DIN Female | 8-pin DIN Male
RET Interface, quantity	1 female | 1 male
Input Voltage	10–30 Vdc
Internal RET	Low band (2) | Mid band (4)
Power Consumption, active state, maximum	8 W
Power Consumption, idle state, maximum	1 W
Protocol	3GPP/AISG 2.0 (Single RET)

Dimensions

Width	350 mm | 13.78 in

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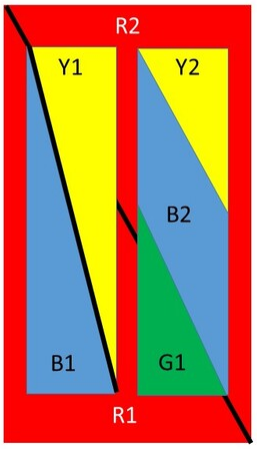
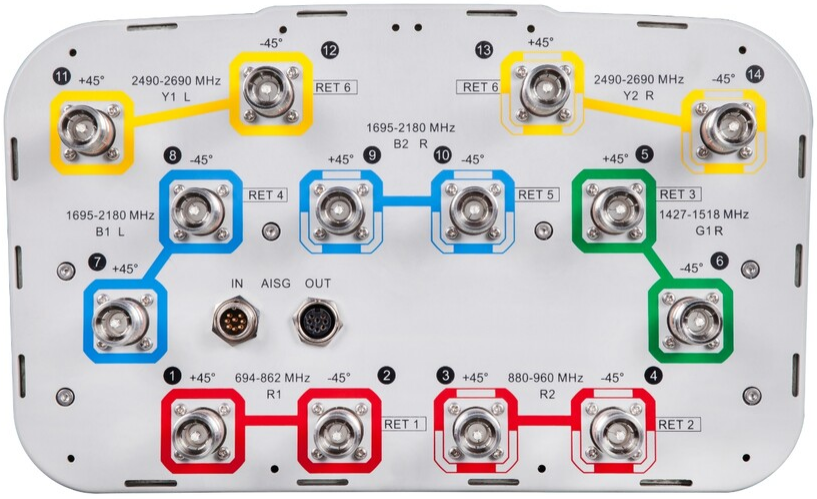
Depth	208 mm | 8.189 in
Length	1499 mm | 59.016 in
Net Weight, antenna only	28.8 kg | 63.493 lb

Array Layout



Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	694-862	1-2	1	CPxxxxxxxxxxxxxxxR1
R2	880-960	3-4	2	CPxxxxxxxxxxxxxxxR2
G1	1427-1518	5-6	3	CPxxxxxxxxxxxxxxxG1
B1	1695-2180	7-8	4	CPxxxxxxxxxxxxxxxB1
B2	1695-2180	9-10	5	CPxxxxxxxxxxxxxxxB2
Y1	2490-2690	11-12	6	CPxxxxxxxxxxxxxxxY1
Y2	2490-2690	13-14		

Port Configuration



Electrical Specifications

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Impedance	50 ohm
Operating Frequency Band	1427 – 1518 MHz | 1695 – 2180 MHz | 2490 – 2690 MHz | 694 – 862 MHz | 880 – 960 MHz
Polarization	±45°
Total Input Power, maximum	800 W @ 50 °C

Electrical Specifications, BASTA

Frequency Band, MHz	**698–806**	**790–862**	**880–960**
Gain by all Beam Tilts, average, dBi	13.8	14	14.2
Gain by all Beam Tilts Tolerance, dB	±0.4	±0.3	±0.4
Beamwidth, Horizontal Tolerance, degrees	±2	±2	±2
Beamwidth, Vertical Tolerance, degrees	±1.6	±0.8	±0.9
USLS, beampeak to 20° above beampeak, dB		22	20
CPR at Boresight, dB	17	17	19
CPR at Sector, dB	10	11	9

Electrical Specifications, BASTA

Frequency Band, MHz	**1427–1518**	**1695–1995**	**1695–1995**	**1920–2180**	**1920–2180**	**2490–2690**	**2490–2690**
Gain by all Beam Tilts, average, dBi	15.6	16.7	16.2	16.8	16.4	16.5	15.9
Gain by all Beam Tilts Tolerance, dB	±0.2	±0.5	±0.5	±0.3	±0.4	±0.6	±0.6
Beamwidth, Horizontal Tolerance, degrees	±3	±3	±3	±2	±2	±7	±5
Beamwidth, Vertical Tolerance, degrees	±0.4	±0.4	±0.4	±0.4	±0.6	±0.3	±0.4
USLS, beampeak to 20° above beampeak, dB	16	13	14	14	14	14	14
CPR at Boresight, dB	17	24	23	22	23	18	19
CPR at Sector, dB	11	11	10	11	7	6	4

Mechanical Specifications

Wind Loading @ Velocity, frontal	239.0 N @ 150 km/h (53.7 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	201.0 N @ 150 km/h (45.2 lbf @ 150 km/h)

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Wind Loading @ Velocity, maximum	507.0 N @ 150 km/h (114.0 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	254.0 N @ 150 km/h (57.1 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	456 mm | 17.953 in
Depth, packed	357 mm | 14.055 in
Length, packed	1643 mm | 64.685 in
Weight, gross	38.2 kg | 84.216 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

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