

X Pol Panel Antenna 790-960MHz 65° 17dBi 0°-10° Replaceable RET**Electrical Specifications**

Frequency Range (MHz):	790-960(R1)		
	790-862	862-894	894-960
Gain (dBi):	16.8±0.5	17.0±0.5	17.3±0.5
Return Loss (dB):	>14 (VSWR<1.5)		
Polarization:	±45°		
Horizontal 3dB Beamwidth (°):	66	64	62
Vertical 3dB Beamwidth (°):	7.8	7.5	7.2
Electrical Downtilt (°):	0-10 Independently Continuously Adjustable		
1 st Upper Sidelobe Suppression (dB):	16	16	16
Front to Back Ratio (dB):	25	25	25
Cross Polar Ratio 0°(dB):	17	17	17
Cross Polar Ratio ±60° (dB):	10	10	10
Intraband Isolation (dB):	>28		
Max. Power Per Port (W)::	250		
Intermodulation IM3 (dBc):	<-153 (2×43dBm)		
Impedance (ohm):	50		
Lightning Protection:	DC Grounded		
Connector Type:	2×7/16 DIN Female		

BASTA Electrical Specification

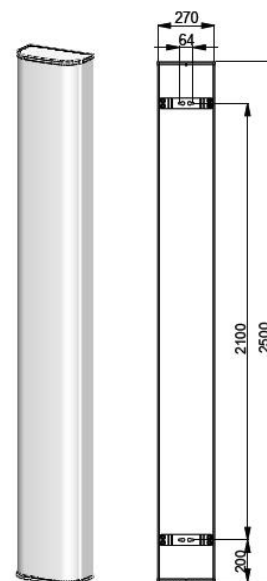
Frequency Range(MHz):	790-960(R1)		
	790-862	862-894	894-960
Average Gain by all Beam Tilts (dBi):	16.7	17.0	17.3
Gain by all Beam Tilts Tolerance(dB):	±0.5	±0.3	±0.4
Average Gain by Beam Tilt (dBi):	0° 16.7	0° 17.1	0° 17.3
	5° 16.9	5° 17.2	5° 17.6
	10° 16.5	10° 16.7	10° 16.9
Horizontal Beamwidth Tolerance(°):	±2.2	±1.7	±2.6
Vertical Beamwidth Tolerance(°):	±0.3	±0.2	±0.4
USLS to 20° above beampeak(dB):	17.1	16.1	16.0
Front to back Ratio at 180° ± 30°(dB)	24.5	24.7	25.1
CPR at Boresight(dB):	25.5	26.5	28.0

Mechanical Data

Antenna Dimensions (mm):	2500×270×149
Packing Dimensions (mm):	2770×355×255
Antenna Net Weight/Bracket (kg):	18/5.9
Antenna Gross Weight (kg):	30.5
Radome Material:	Fiberglass
Pipe OD (mm):	50-115
Mounting Kits (Included):	BA.K.04.00069091, Adjustable Downtilt 0°-10°

Environmental Ratings

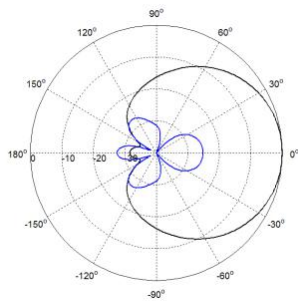
Humidity:	95%RH@+30°C
Temperature (°C):	-40~+70
Wind Load @150 km/h (N):	Frontal/Lateral/Rearside: 590/262/1099
Max. Wind velocity(km/h):	200



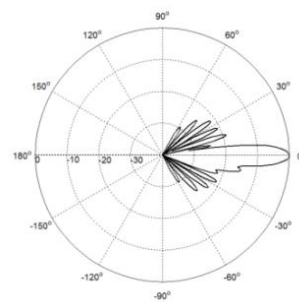
Internal RET Specifications

RET Type:	Replaceable RET
RET protocol:	AISG2.0 /3GPP
Input voltage range(V):	10-30 DC
Power consumption(W):	< 5 (motor activated, single RET) < 1 (stand by, single RET), < 1.5 (stand by, 12V)
Adjustment time (full range) (s):	< 120 (typically, depending on antenna type)
RET connector:	1 pair of AISG 5 pin male & female
Pin assignment according AISG:	8pin circular connector conforming to IEC 60130-9 - Ed. 3.0
Lightning protection (kA):	5 (8/20 μs Differential mode), 8 (8/20 μs Common mode)

Typical Patterns

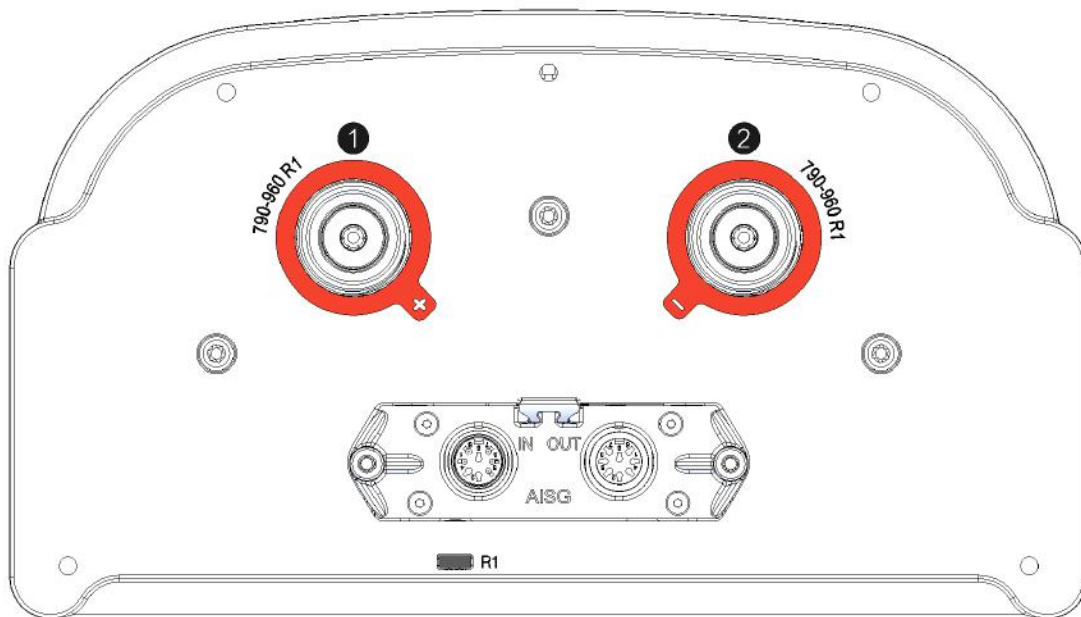


Azimuth(Low Band)



Elevation(Low Band)

Bottom View



GPX309P

Correlation Table

Frequency range	Array	Connector
790– 960 MHz	R1	1-2

