

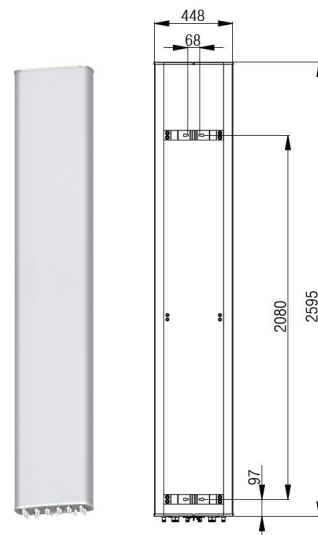
XXXXXXXX Pol Panel Antenna 2×698-960/6×1710-2690MHz 65°/65° 17/17.5dBi 2-12° Replaceable RET

Electrical Specifications

Frequency Range (MHz):	698-960(R1,R2)			1710-2690(Y1,Y3,Y5)			1710-2690(Y2,Y4,Y6)		
	698-806	806-880	880-960	1710	2300	2490	1710	2300	2490
Gain (dBi):	15.5 ±0.5	16.0 ±0.5	16.5 ±0.5	16.5 ±0.5	17.0 ±0.5	17.3 ±0.5	16.2 ±0.5	16.7 ±0.5	17.0 ±0.5
Return Loss (dB):	>14 (VSWR<1.5)								
Polarization:	±45°								
Horizontal 3dB Beamwidth (°):	68	65	57	68	65	58	68	65	58
Vertical 3dB Beamwidth (°):	10.0	8.7	7.8	7.2	5.7	5.2	7.2	5.7	5.2
Electrical Downtilt (°):	2-12 Independently Continuously Adjustable								
RET Type:	Cascade SRET, AISG 2.0, Upgradeable								
1 st Upper Sidelobe Suppression (dB):	15	15	15	15	15	15	15	15	15
Front to Back Ratio (dB):	22	23	24	25	25	25	25	25	25
Cross Polar Ratio 0°(dB):	15	15	15	15	15	15	15	15	15
Intraband Isolation (dB):	>25								
Interband Isolation (dB):	>25								
Power Rating (W):	250			200					
Intermodulation IM3 (dBc):	<-150(2×43 dBm)								
Impedance (ohm):	50								
Lightning Protection:	DC Grounded								
Connector Type:	16×4.3-10 Female								

Mechanical Data

Antenna Dimensions (mm):	2595×448×185
Packing Dimensions (mm):	2855×530×275
Antenna Net Weight /Bracket(kg):	46.5/5.9
Antenna Gross Weight (kg):	59.2
Radome Material:	Fiberglass
Pipe OD (mm):	50-115
Mounting Kits (Included):	BA.K.04.00069311, Adjustable Downtilt 0°-10°



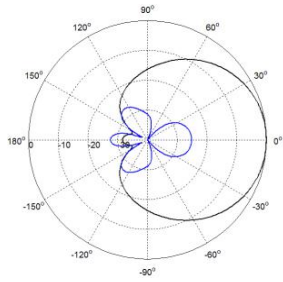
Environmental Ratings

Humidity:	95%RH@+30°C
Temperature (°C):	-40~+70
Wind Load @150 km/h (N):	Frontal/Lateral/Rearside: 1135/289/1346
Max. Wind velocity(km/h):	200

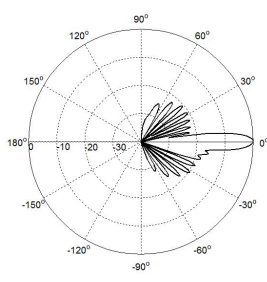
Internal RET Specifications

RET Type:	Replaceable RET
RET protocol:	AISG 2.0 /3 GPP
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:	8 pin 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)

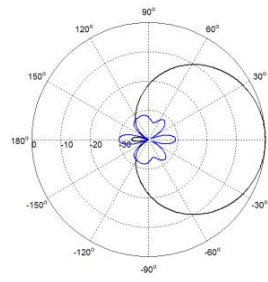
Typical Patterns



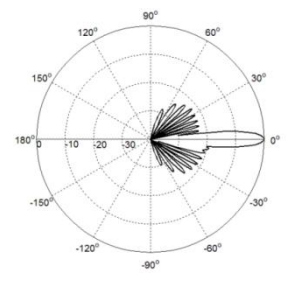
Azimuth(Low Band)



Elevation(Low Band)

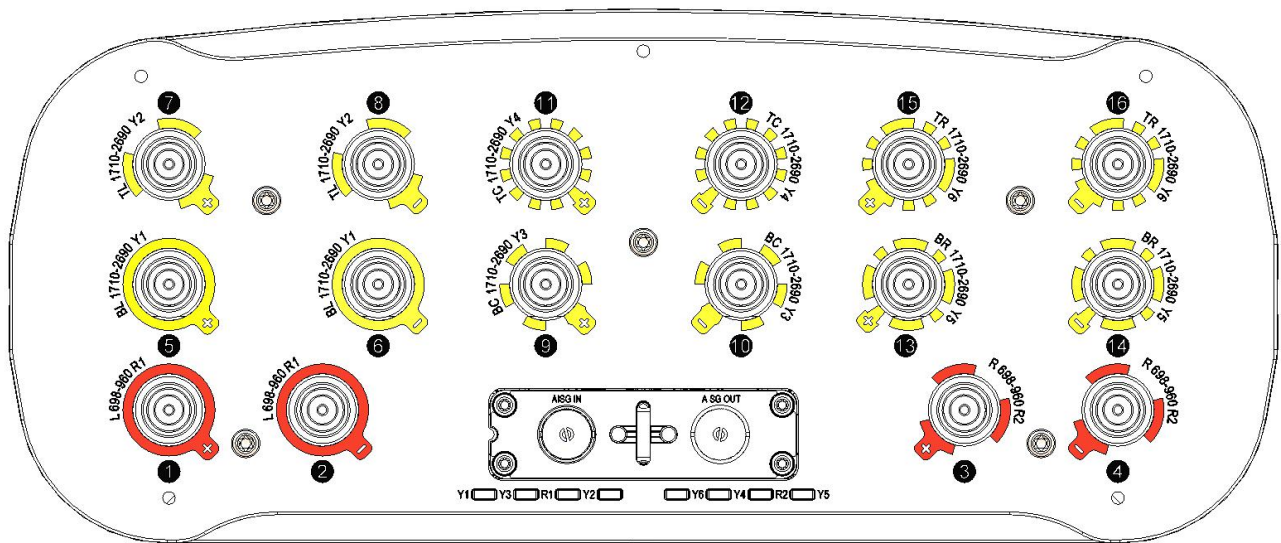


Azimuth(High Band)



Elevation(High Band)

Bottom View



Correlation Table

Frequency range	Array	Connector
698–960 MHz	R1	1-2
698–960 MHz	R2	3-4
1710–2690 MHz	Y1	5-6
1710–2690 MHz	Y2	7-8
1710–2690 MHz	Y3	9-10
1710–2690 MHz	Y4	11-12
1710–2690 MHz	Y5	13-14
1710–2690 MHz	Y6	15-16

