

XX Pol Panel Twin Beam Antenna 2×698–960MHz 35° 18dBi 0° –10° Replaceable RET

**Electrical Specifications**

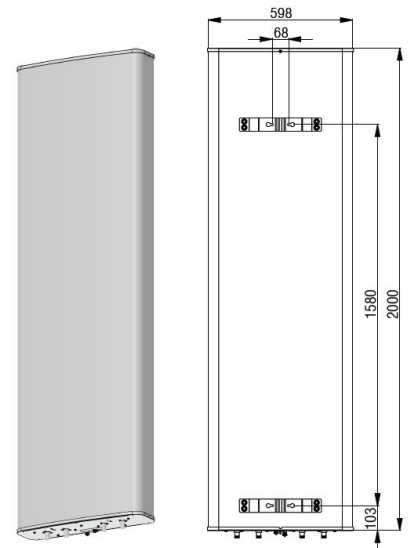
Frequency Range (MHz):	698-960(R1,R2)		
	698-806	806-880	880-960
Gain (dBi):	17.0	17.5	18.0
Return Loss (dB):	>14 (VSWR<1.5)		
Polarization:	±45°		
Horizontal 3dB beamwidth (°):	2×39	2×38	2×35
Horizontal Beam Pointing (°):	-31, +31	-28, +28	-25, +25
Vertical 3dB beamwidth (°):	10	9	8
Electrical Downtilt (°):	0-10, Independently Continuously Adjustable		
Cross Polar Isolation (dB):	>25		
Max. Power Per Port (W):	250		
Intermodulation IM3 (dBc):	<-153 (2×43 dBm)		
Impedance (ohm):	50		
Lightning Protection:	DC Grounded		
Connector Type:	4×4.3-10 Female		

**Mechanical Data**

Antenna Dimensions (mm):	2000×598×169
Packing Dimensions (mm):	2260×680×260
Antenna Net Weight/Bracket (kg):	30.5/5.9
Antenna Gross Weight (kg):	42.5
Radome Material:	Fiberglass
Pipe OD (mm):	50-115
Mounting Kits (Included):	BA.K.04.00069121, Adjustable Downtilt 0°-14°

**Environmental Ratings**

Humidity:	95%RH@+30°C
Temperature (°C):	-40~+70
Wind Load @150 km/h (N):	Frontal/Lateral/Rearside: 1430/162/1494
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**W:[www.broad-radio.com](http://www.broad-radio.com) E:[info@broad-radio.com](mailto:info@broad-radio.com)

V1.0

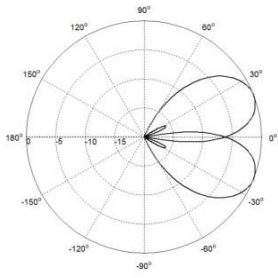
2022/10/27

BROADRADIO is continually improving products. Specifications may change at any time without notice.

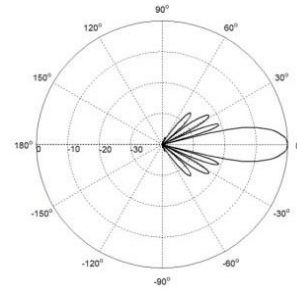
Page 1 of 2



Our products are compliant to the EU Directive RoHS as well as to other environmentally relevant regulations.



Azimuth



Elevation

**Correlation Table**

Frequency range	Array	Connector
698–960 MHz	R1	1-2
698–960 MHz	R2	3-4

