

Product Data Sheet

UPX210P-C**BROADRADIO****X Pol Panel Antenna 698-960MHz 33° 18.5dBi 0°-10° Replaceable RET****Electrical Specifications**

Frequency Range (MHz):	698-960(R1)		
Gain (dBi):	698-862	862-894	894-960
Return Loss (dB):	18.0±0.5	18.5±0.5	18.8±0.5
Polarization:	±45°		
Horizontal 3dB beamwidth (°):	39	35	30
Vertical 3dB beamwidth (°):	8.5	7.5	6.5
Electrical Downtilt (°):	0-10 Independently Continuously Adjustable		
RET Type:	Cascade SRET, AISG 2.0, Upgradeable		
1 st Upper Sidelobe Suppression (dB):	15	15	15
Front to Back Ratio @180±30°(dB):	25	25	25
Cross Polar Ratio 0° (dB):	15	15	15
Isolation Port to Port (dB):	>25		
Max. Power Per Port (W):	250		
Intermodulation IM3 (dBc):	<-153 (2×43 dBm)		
Impedance (ohm):	50		
Lightning Protection:	DC Grounded		
Connector Type:	2×4.3-10 Female		

Mechanical Data

Antenna Dimensions (mm) :	2700×498×197
Packing Dimensions (mm) :	2920×580×285
Antenna Net Weight (kg) /Bracket (kg):	34/5.7
Antenna Gross Weight (kg) :	47
Radome Material:	Fiberglass
Pipe OD (mm):	70-115
Mounting Kits (Included):	BA.K.04.00069491, Adjustable Downtilt 0°-8°in 1°steps

**Environmental Ratings**

Humidity:	95%RH@+30°C
Temperature (°C):	-40~+70
Wind Load @150 km/h (N):	Frontal/Lateral/Rearside: 1766/325/1792
Max. wind velocity (km/h):	200

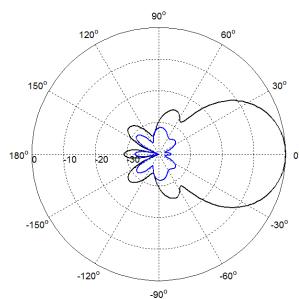
Internal RET Specifications

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 (standby, single RET), < 1.5 (standby, 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)

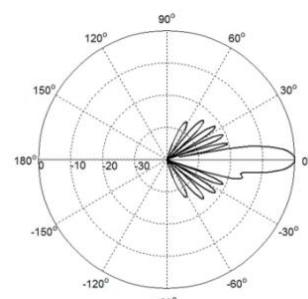
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Typical Patterns



Azimuth



Elevation

Correlation Table

Frequency range	Array	Connector	RET/S/N
698-960MHz	R1	1-2	BRXXX.....1R1

