



FEATURES / BENEFITS

- 2 ports / 1 cross pol system in low band (698-960MHz)
- 2 ports / 1 cross pol system in high band (1710-2690MHz)
- Fixed tilt



Technical features

ELECTRICAL SPECIFICATIONS

Electrical Specification Header		LOW BAND ARRAY (698-960 MHz) [R1]		
Frequency Band	Mhz	698-806	790-894	880-960
Gain Typical	dBi	12.1	12.2	12.1
Gain Over all Tilts	dBi	11.6 +/- 0.5	12.1 +/- 0.1	12 +/- 0.1
Azimuth Beamwidth 3dB	Deg	68.4 +/- 1.5	66.3 +/- 1.5	65.7 +/- 1
Elevation Beamwidth 3 dB	Deg	39.2 +/- 2.5	35.5 +/- 1.5	35.3 +/- 0.7
Cross Polar Discrimination at Boresight	dB	22	24	25
Cross Polar Discrimination over Sector	dB	11	11	9
F/B at +/-30deg Total Power	dB	23	23	23
First Upper Side Lobe Supression	dB	11.2	12	11
Electrical Downtilt	Deg	5		
Cross Polar Isolation	dB	24		
Interband Isolation	dB	24		
VSWR	-	1.5		
Passive Intermodulation (3rd Order, 2 x 43dBm)	dBc	-153		
Maximum Effective Power per Port	Watt	500		

**ELECTRICAL SPECIFICATIONS**

Electrical Specification Header		HIGH BAND ARRAY (1710-2690 MHZ) [Y1]				
Frequency Band	Mhz	1710-1880	1850-1990	1920-2170	2300-2400	2490-2690
Gain Typical	dBi	14.1	14.3	14.3	14.2	15.3
Gain Over all Tilts	dBi	13.3 +/- 0.8	13.8 +/- 0.5	13.8 +/- 0.5	13.8 +/- 0.4	14.7 +/- 0.6
Azimuth Beamwidth 3dB	Deg	66.8 +/- 6.6	66.4 +/- 4.2	66.5 +/- 4.1	70.1 +/- 2.4	65.7 +/- 7.1
Elevation Beamwidth 3 dB	Deg	19.2 +/- 1	17.9 +/- 0.5	16.9 +/- 1.1	14.6 +/- 0.8	13.2 +/- 1.3
Cross Polar Discrimination at Boresight	dB	20.7	22	21.8	17.7	17.8
Cross Polar Discrimination over Sector	dB	8	9.5	10	11.4	1.4
F/B at +/-30deg Total Power	dB	20.8	23.3	21.6	18.9	18
First Upper Side Lobe Suppression	dB	14.7	16	14.1	12.3	10.7
Electrical Downtilt	Deg	5				
Cross Polar Isolation	dB	24				
Interband Isolation	dB	24				
VSWR	-	1.5				
Passive Intermodulation (3rd Order, 2 x 43dBm)	dBc	-153				
Maximum Effective Power per Port	Watt	250				

ELECTRICAL SPECIFICATIONS

Impedance	Ohm	50
Polarization	Deg	±45°

MECHANICAL SPECIFICATIONS

Dimensions - H x W x D	mm (in)	620 x 350 x 200 (24.4 x 13.8 x 7.9)
Weight (Antenna Only)	kg (lb)	8 (17.6)
Weight (Mounting Hardware only)	kg (lb)	4.5 (9.9)
Packing size- HxWxD	mm (in)	890 x 425 x 275 (35 x 16.7 x 10.8)
Shipping Weight	kg (lb)	15.7 (34.6)
Connector type		4 x 4.3-10 female/bottom
Radome Material / Color		Fiberglass / Light Gray

TESTING AND ENVIRONMENTAL

Temperature Range	°C (°F)	-40 to 60 (-40 to 140)
Lightning protection		DC Ground
Survival/Rated Wind Velocity	km/h	200 (150)
Wind Load @Rated Wind Front	N	274
Wind Load @Rated Wind Side	N	142
Wind Load @Rated Wind Rear	N	155

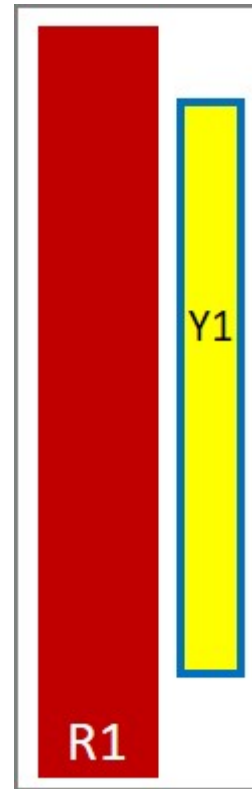
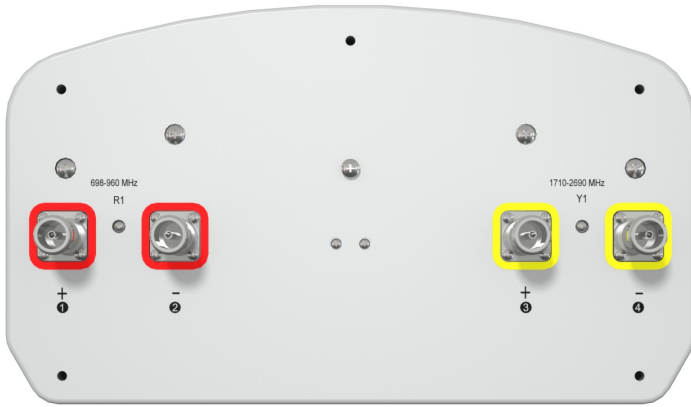
ORDERING INFORMATION

Order No.	Configuration	Mounting Hardware	Mounting pipe Diameter	Shipping Weight
APXBL06B 43-CT5	Fixed tilt	APM50-B1	50-110 mm	15.7 kg

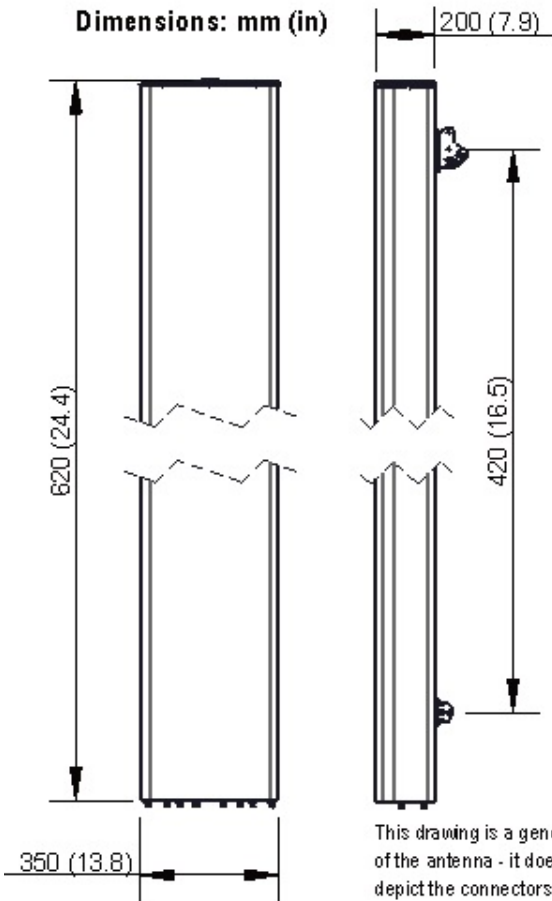


APXBL06B_43-CT5

Dual band X-pol Antenna, 698-960/1710-2690MHz, 65deg, 12.2/15.3dBi, 0.6m, 5deg, Fixed



Dimensions: mm (in)





External Document Links

[APM50_Series_Installation_Instructions](#)

Notes

- All electrical parameters are compliant with BASTA NGMN 11.1 requirements.
- For additional mounting information please click "External Document Links".
- **Radiating patterns:** [Request pattern files](#)