



FEATURES / BENEFITS

Dual-band cross-polarized (4 ports), 1x 698-960 / 1x 1710-2690 MHz

- Ultra-broadband design for LTE 700 and LTE 2600 compatibility
- Variable Electrical downtilt – provides enhanced precision in controlling inter-cell interferences
- Ideal for dense areas
- SRET -Field replaceable / ACU HW Version -2.02 / SW Version -2.72



Technical features

ELECTRICAL SPECIFICATIONS

Electrical Specification Header		LOW BAND ARRAY (698-960 MHz) [R1]		
Frequency Band	MHz	698 - 806	790 - 896	870 - 960
Gain Typical	dBi	16.6	17.1	17.3
Gain Over all Tilts	dBi	16.3 +/- 0.3	16.8 +/- 0.3	16.9 +/- 0.4
Azimuth Beamwidth 3dB	Deg	67.9 +/- 1.1	65.5 +/- 1.8	64.9 +/- 1
Elevation Beamwidth 3dB	Deg	8.5 +/- 0.4	7.6 +/- 0.6	7 +/- 0.3
Cross Polar Discrimination at Boresight	dB	26.6	25.1	24.1
Cross Polar Discrimination over Sector	dB	12.2	9	9.3
F/B at +/-30deg Total Power	dB	24.4	24.7	24
First Upper Side Lobe Suppression	dB	18.9	17.6	15.7
Electrical Downtilt	Deg	2 to 10		
Cross Polar Isolation	dB	26		
Interband Isolation	dB	26		
VSWR	-	1.5		
Passive Intermodulation (3rd Order, 2 x 43dBm)	dBc	-153		
Maximum Effective Power per Port	Watt	350		



ELECTRICAL SPECIFICATIONS

Electrical Specification Header		HIGH BAND ARRAY (1710-2690 MHZ) [Y1]				
Frequency Band	MHz	1710-1880	1850-1990	1920-2200	2300-2400	2500-2690
Gain Typical	dBi	17.8	18.1	18.8	17.9	18.8
Gain Over all Tilts	dBi	17 +/- 0.8	17.6 +/- 0.5	18.2 +/- 0.6	17.3 +/- 0.6	18 +/- 0.8
Azimuth Beamwidth 3dB	Deg	66.3 +/- 7	68.2 +/- 3.9	64.6 +/- 8.3	66.3 +/- 3.8	60 +/- 3.6
Elevation Beamwidth 3dB	Deg	5.2 +/- 0.6	5 +/- 0.4	4.5 +/- 0.3	4.2 +/- 0.4	3.8 +/- 0.3
Cross Polar Discrimination at Boresight	dB	18.2	19	17.5	13.2	15.7
Cross Polar Discrimination over Sector	dB	9	8.2	5.2	8.1	6.1
F/B at +/-30deg Total Power	dB	19.9	19.9	22.5	23.2	24.1
First Upper Side Lobe Suppression	dB	18.5	19.5	21	19.9	18.2
Electrical Downtilt	Deg	2 to 10				
Cross Polar Isolation	dB	26				
Interband Isolation	dB	26				
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)	2690 x 350 x 200 (105.9 x 13.8 x 7.9)
Weight (Antenna Only)	kg (lb)	28.4 (38.9)
Packing size- HxWxD	mm (in)	2970 x 425 x 275 (116.9 x 16.7 x 10.8)
Shipping Weight	kg (lb)	38.9 (85.8)
Connector type		4 x 4.3-10 female/bottom + 2 AISG connectors (1 male, 1 female)
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	220 (160)
Wind Load @Rated Wind Front	N	1550
Wind Load @Rated Wind Side	N	1003
Wind Load @Rated Wind Rear	N	1923

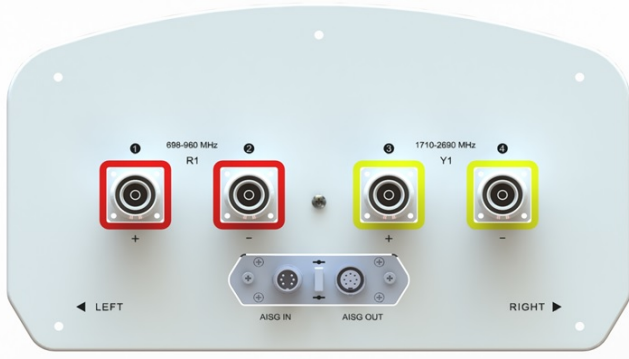
ORDERING INFORMATION

Order No.	Configuration	Mounting Hardware	Mounting pipe Diameter	Shipping Weight
APXVBL26B2_43-C-I20	Internal RET (ACU-I20-B2)	APM50-B1	50-110 mm	38.9 Kg

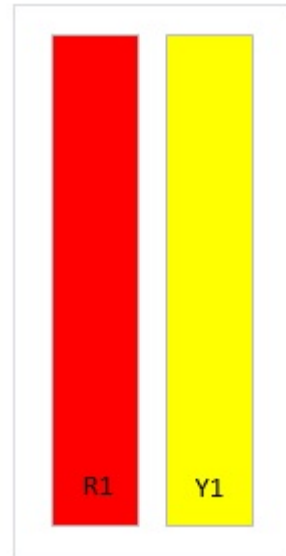
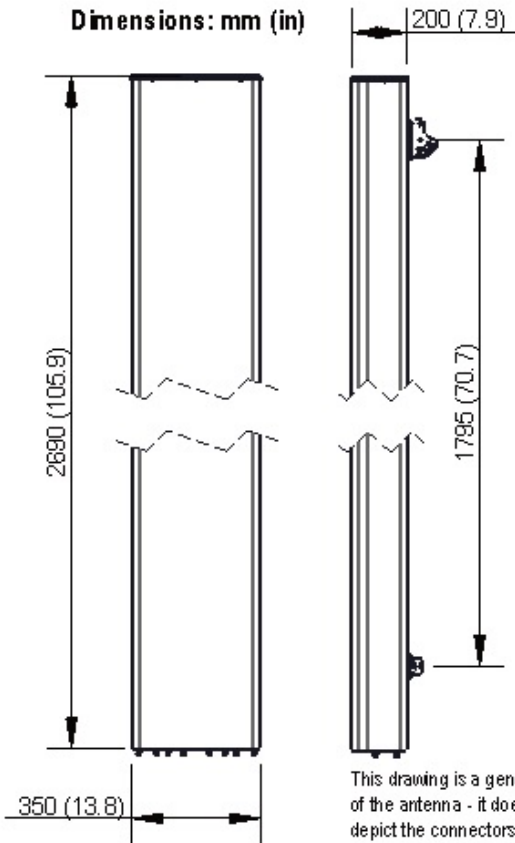


APXVBL26B2_43-C-I20

Dual band X-pol Antenna, 698-960MHz, 1710-2690MHz, 65deg, 17.3/18.8dBi, 2.6m, 2-10deg, Integrated RET



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](#)