



FEATURES / BENEFITS

- 2 ports / 1 cross pol system in low band (690-960MHz)
- 6 ports / 3 cross pol systems in high band (1710-2690MHz)
- Integrated and field replaceable SRET
- ACU HW Version: 2.02
- Compliant with AISG V2.0 and 3GPP



Technical features

ELECTRICAL SPECIFICATIONS

Electrical Specification Header		LOW BAND ARRAY (690-960 MHz) [R1]		
Frequency Band	MHz	690-806	790-894	880-960
Gain Typical	dBi	17.5	17.4	17.6
Gain Over all Tilts	dBi	17.2 +/- 0.3	17.2 +/- 0.2	17.3 +/- 0.3
Azimuth Beamwidth 3dB	Deg	68.3 +/- 1.7	67.3 +/- 1.3	69.3 +/- 0.8
Elevation Beamwidth 3dB	Deg	7.8 +/- 1.1	7.7 +/- 0.5	6.9 +/- 0.5
Cross Polar Discrimination at Boresight	dB	27.2	26.7	27.2
Cross Polar Discrimination over Sector	dB	12.3	11	12.6
F/B at +/-30deg Total Power	dB	25.1	24.6	24.6
First Upper Side Lobe Suppression	dB	16.7	17.7	15.4
Electrical Downtilt	Deg	2 to 11		
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	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	17.7	17.8	18.4	17.8	18.1
Gain Over all Tilts	dBi	17.2 +/- 0.5	17.3 +/- 0.5	17.7 +/- 0.7	17.2 +/- 0.6	17.2 +/- 0.9
Azimuth Beamwidth 3dB	Deg	60.5 +/- 5.5	64.5 +/- 2.9	64.1 +/- 5.4	67.3 +/- 6.3	58.4 +/- 4.5
Elevation Beamwidth 3dB	Deg	8.1 +/- 0.6	7.4 +/- 0.6	7 +/- 0.6	6.1 +/- 0.3	5.6 +/- 0.4
Cross Polar Discrimination at Boresight	dB	21.6	22	18.2	14.3	15.8
Cross Polar Discrimination over Sector	dB	7.7	8.9	7	7.3	0.8
F/B at +/-30deg Total Power	dB	20.2	23.8	24	25.4	23.6
First Upper Side Lobe Suppression	dB	17.6	16.4	16.4	17	13.6
Electrical Downtilt	Deg	2 to 11				
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

Electrical Specification Header		HIGH BAND ARRAY (1710-2690 MHZ) [Y2]				
Frequency Band	MHz	1710-1880	1850-1990	1920-2170	2300-2400	2490-2690
Gain Typical	dBi	17.6	17.6	18	17.5	17.8
Gain Over all Tilts	dBi	17 +/- 0.6	17.2 +/- 0.4	17.4 +/- 0.6	16.9 +/- 0.6	17.1 +/- 0.7
Azimuth Beamwidth 3dB	Deg	63.8 +/- 7	66.5 +/- 2.6	66.7 +/- 4.1	67.2 +/- 5.4	60 +/- 3
Elevation Beamwidth 3dB	Deg	6.9 +/- 0.4	6.3 +/- 0.4	6 +/- 0.6	5.2 +/- 0.3	4.8 +/- 0.3
Cross Polar Discrimination at Boresight	dB	19.8	19.4	20.1	20.7	19.8
Cross Polar Discrimination over Sector	dB	8.3	8.2	7.8	10.3	0.8
F/B at +/-30deg Total Power	dB	21.2	23.5	24.2	23.5	22.2
First Upper Side Lobe Suppression	dB	15.1	16.8	17.3	19.6	15.7
Electrical Downtilt	Deg	2 to 11				
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

Electrical Specification Header		HIGH BAND ARRAY (1710-2690 MHZ) [Y3]				
Frequency Band	MHz	1710-1880	1850-1990	1920-2170	2300-2400	2490-2690
Gain Typical	dBi	17.5	17.7	18.6	18	18.1
Gain Over all Tilts	dBi	17 +/- 0.5	17.3 +/- 0.4	17.8 +/- 0.8	17.2 +/- 0.8	17.2 +/- 0.9
Azimuth Beamwidth 3dB	Deg	60.1 +/- 5	64.6 +/- 3.2	63.4 +/- 6.3	67.6 +/- 7.6	58.3 +/- 3.9
Elevation Beamwidth 3dB	Deg	8.3 +/- 0.6	7.5 +/- 0.6	7 +/- 0.6	6.2 +/- 0.3	5.7 +/- 0.4
Cross Polar Discrimination at Boresight	dB	20	19.2	17.6	17.4	18.1
Cross Polar Discrimination over Sector	dB	8.1	8.6	6.6	7.5	1.6
F/B at +/-30deg Total Power	dB	21.4	23	23.5	24.7	23.9
First Upper Side Lobe Suppression	dB	16.6	14.4	15.1	15.8	13.3
Electrical Downtilt	Deg	2 to 11				
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)	32.5 (71.7)
Weight (Mounting Hardware only)	kg (lb)	4.5 (9.9)
Packing size- HxWxD	mm (in)	2970 x 425 x 275 (116.9 x 16.7 x 10.8)
Shipping Weight	kg (lb)	43.5 (95.9)
Connector type		8 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	200 (150)
Wind Load @Rated Wind Front	N	1550
Wind Load @Rated Wind Side	N	1003
Wind Load @Rated Wind Rear	N	1923

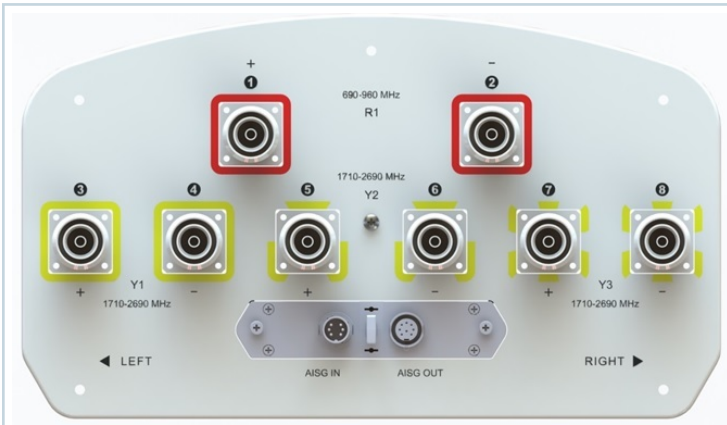
ORDERING INFORMATION

Order No.	Configuration	Mounting Hardware	Mounting pipe Diameter	Shipping Weight
APXVB3L26B_43-C-I20	Internal RET (ACU-I20-B4)	APM50-B1	50-110 mm	43.5Kg

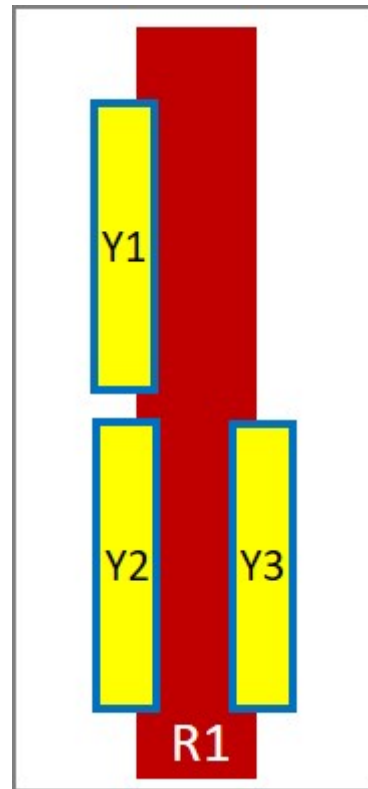
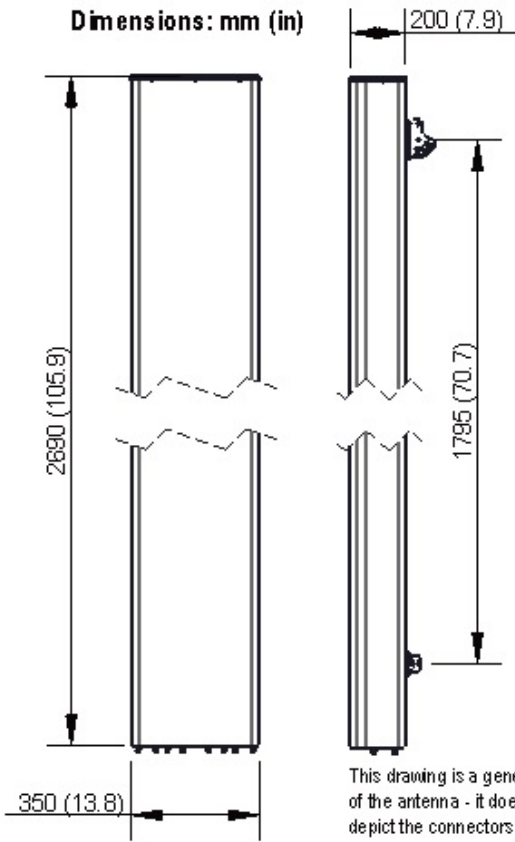


APXVB3L26B_43-C-I20

8-Ports, X-Pol, Panel Antenna, 2.6m, 1x 690-960MHz, 65deg, 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](#)