



APXVLLL08B_43-C

High band X-pol Antenna, 1710-2690/1710-2690/1710-2690 MHz, 65deg, 13.2/13.0/12.9 dBi, 0.8m, 2-14/2-14/2-14deg, Manual VET

FEATURES / BENEFITS

- High-band cross-polarized (6 ports), 3x (1710-2690 MHz).
- Manual VET



Technical features

ELECTRICAL SPECIFICATIONS

Electrical Specification Header		High Band Array (1710-2690 MHz) [Y1]			
Frequency Band	MHz	1710 - 1880	1920 - 2170	2300 - 2400	2500 - 2690
Gain Typical	dBi	12	12.3	12.3	13.2
Gain Over all Tilts	dBi	11 +/- 1	11.8 +/- 0.5	11.8 +/- 0.5	12.2 +/- 1
Azimuth Beamwidth 3dB	Deg	69.7 +/- 7.3	67.1 +/- 3.4	64.4 +/- 5.5	57.1 +/- 7.4
Elevation Beamwidth 3dB	Deg	31.2 +/- 3.2	25.5 +/- 3.6	21.6 +/- 2.7	19.1 +/- 2.7
Cross Polar Discrimination at Boresight	dB	21.3	19	16.7	18
Cross Polar Discrimination over Sector	dB	14	12.4	11	8.5
F/B at +/-30deg Total Power	dB	20	20	17.7	17.3
First Upper Side Lobe Suppression	dB	17	12.5	11.9	10
Electrical Downtilt	Deg	2 to 14			
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	1920 - 2170	2300 - 2400	2500 - 2690
Gain Typical	dBi	11.2	12.2	11.9	13
Gain Over all Tilts	dBi	10.3 +/- 0.9	11.4 +/- 0.8	11.4 +/- 0.5	12 +/- 1
Azimuth Beamwidth 3dB	Deg	75.1 +/- 6	67.8 +/- 6.8	66.1 +/- 4	58.1 +/- 6.8
Elevation Beamwidth 3dB	Deg	30.1 +/- 3	26.1 +/- 2.8	21.9 +/- 1.9	19.4 +/- 1.5
Cross Polar Discrimination at Boresight	dB	20.5	20	21.7	19
Cross Polar Discrimination over Sector	dB	9.4	7	9	9.8
F/B at +/-30deg Total Power	dB	18.8	20	17.9	16
First Upper Side Lobe Suppression	dB	17.5	12.6	14.7	9.5
Electrical Downtilt	Deg	2 to 14			
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	1920 - 2170	2300 - 2400	2500 - 2690
Gain Typical	dBi	11.4	11.8	12.4	12.9
Gain Over all Tilts	dBi	10.9 +/- 0.5	11.3 +/- 0.5	11.6 +/- 0.8	11.9 +/- 1
Azimuth Beamwidth 3dB	Deg	66.4 +/- 5.6	67.4 +/- 4.2	66.6 +/- 4.8	58.5 +/- 4.5
Elevation Beamwidth 3dB	Deg	29.8 +/- 2	26.4 +/- 3.6	22.1 +/- 3.4	19.7 +/- 2
Cross Polar Discrimination at Boresight	dB	19	20.9	17.4	17
Cross Polar Discrimination over Sector	dB	13	11.6	7.7	9.7
F/B at +/-30deg Total Power	dB	18.8	19.1	17	17
First Upper Side Lobe Suppression	dB	17	13.5	13	10
Electrical Downtilt	Deg	2 to 14			
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			



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ELECTRICAL SPECIFICATIONS

Impedance	Ohm	50
Polarization	Deg	±45°

MECHANICAL SPECIFICATIONS

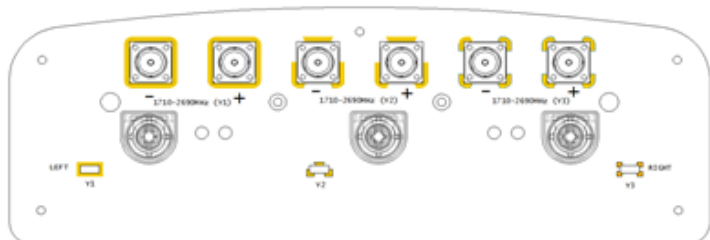
Dimensions - H x W x D	mm (in)	745 x 320 x 123 (29.3 x 12.6 x 4.8)
Weight (Antenna Only)	kg (lb)	8.1 (17.9)
Packing size- HxWxD	mm (in)	1000 x 395 x 230 (39.4 x 15.6 x 9.1)
Shipping Weight	kg (lb)	15.3 (33.7)
Connector type		6 x 4.3-10 female/bottom
Radome Material / Color		Fiberglass / Light Grey RAL7035

TESTING AND ENVIRONMENTAL

Temperature Range	°C (°F)	-40 to 60 (-40 to 140)
Lightning protection		Direct Ground
Survival/Rated Wind Velocity	km/h	220 (160)
Wind Load @Rated Wind Front	N	415
Wind Load @Rated Wind Side	N	141
Wind Load @Rated Wind Rear	N	451

ORDERING INFORMATION

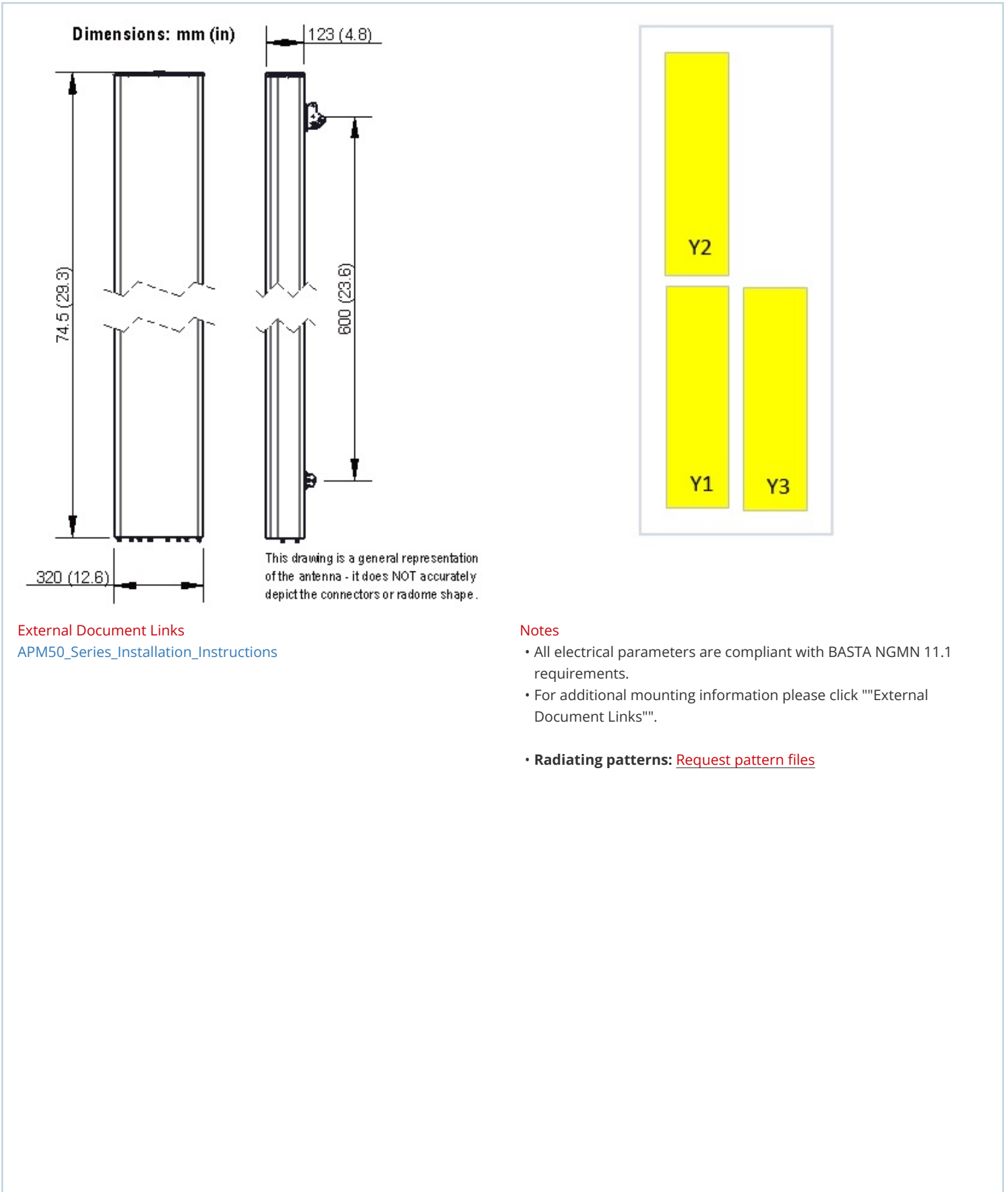
Order No.	Configuration	Mounting Hardware	Mounting pipe Diameter	Shipping Weight
APXVLLL08B_43-C	Manual VET	APM50-B1	50-110 mm	15.3 Kg





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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](#)