

- Twelve tier panel array base station antenna
- 65° sector, ±45° dual polar
- Variable downtilt using RET
- Housing for amplifier at bottom of antenna

5183000

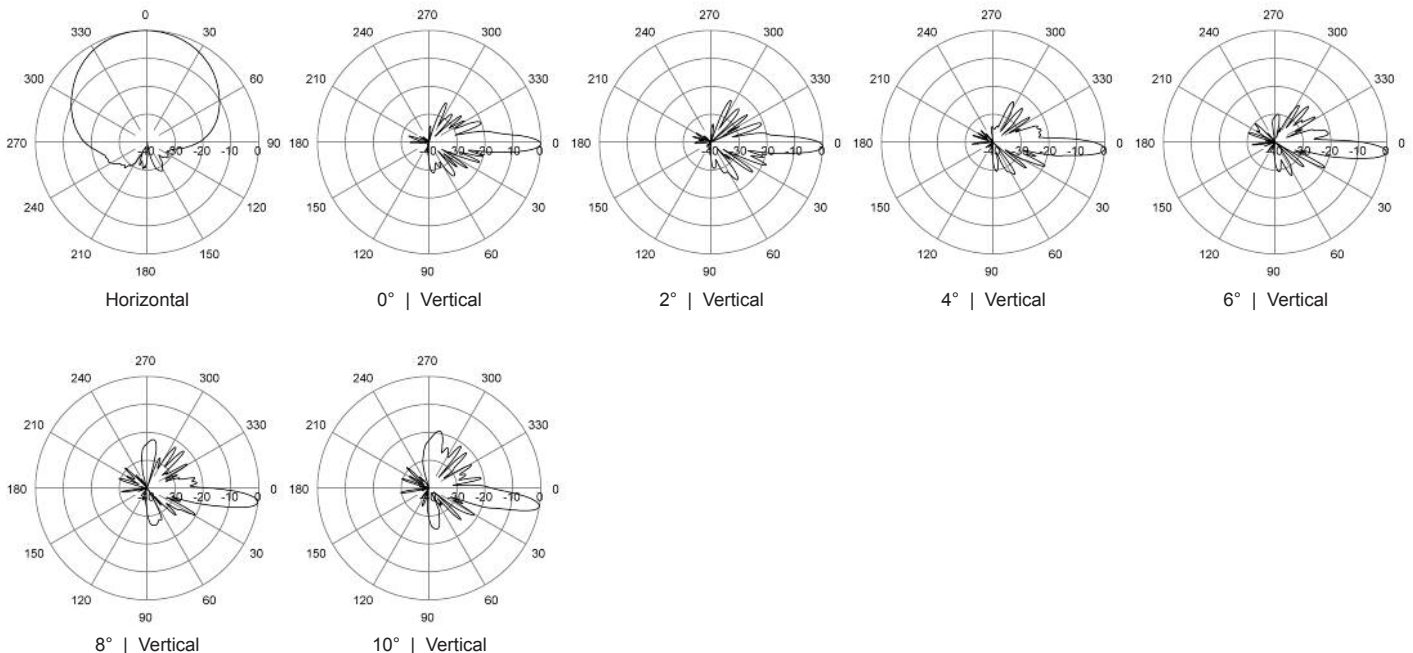
X-Pol | Panel VET | 65° | 17.8 dBi

All specifications provided below exclude amplifier

Electrical Characteristics		
Frequency bands	1710-2170 MHz	
Polarization	Two linear ±45° to the vertical	
Horizontal beamwidth	65° ±5°, -3 dB points 120° ±7°, -10 dB points	
Vertical beamwidth	5.5° ±0.75° -3 dB; 9.5° ±1.5° -10 dB points	
Gain	17.8 dBi ±0.7 dB	
Electrical downtilt	0-10°	
Impedance	50Ω	
VSWR	1.35:1	
Beam squint	±3.5° maximum	
Front-to-Back ratio	>25 dB	
Elevation side lobe	>17 dB 20° sector above main beam >12 dB elsewhere in the forward direction	
Isolation between ports	>30 dB	
Cross polar discrimination	>18 dB	
IM3 (2x20W carrier)	-110 dBm	
Input power	160 W per port	
Radiator system	Patches	
Operating temperature	-30° to +55° C      -22° to +131° F	
Humidity	97%	
Connector(s)	2 ports / 7/16-DIN / Located on internal bulkhead accessible under the amplifier cover	
Lightning protection	DC path to ground all conductive components excluding patch directors	
Mechanical Characteristics		
Radome	Styrosun radome and amplifier cover (RAL 7035)	
Fasteners (internal)	Stainless steel	
Dimensions Length x Width x Depth	2195 x 214 x 120 mm      86.4 x 8.4 x 4.7 in	
Weight without mounting brackets	8.5 kg      18.7 lbs	
Wind load @ 160 km/hr (100 mph)	600 N      134.9 lbf	
Mounting Options		
Description	Fits Pipe Diameter	Weight
Galvanised steel bracket, 0° to ±15° mechanical downtilt, calibrated range 10° at 1° intervals	48-115 mm    1.9-4.5 in	5.6 kg    12.3 lbs



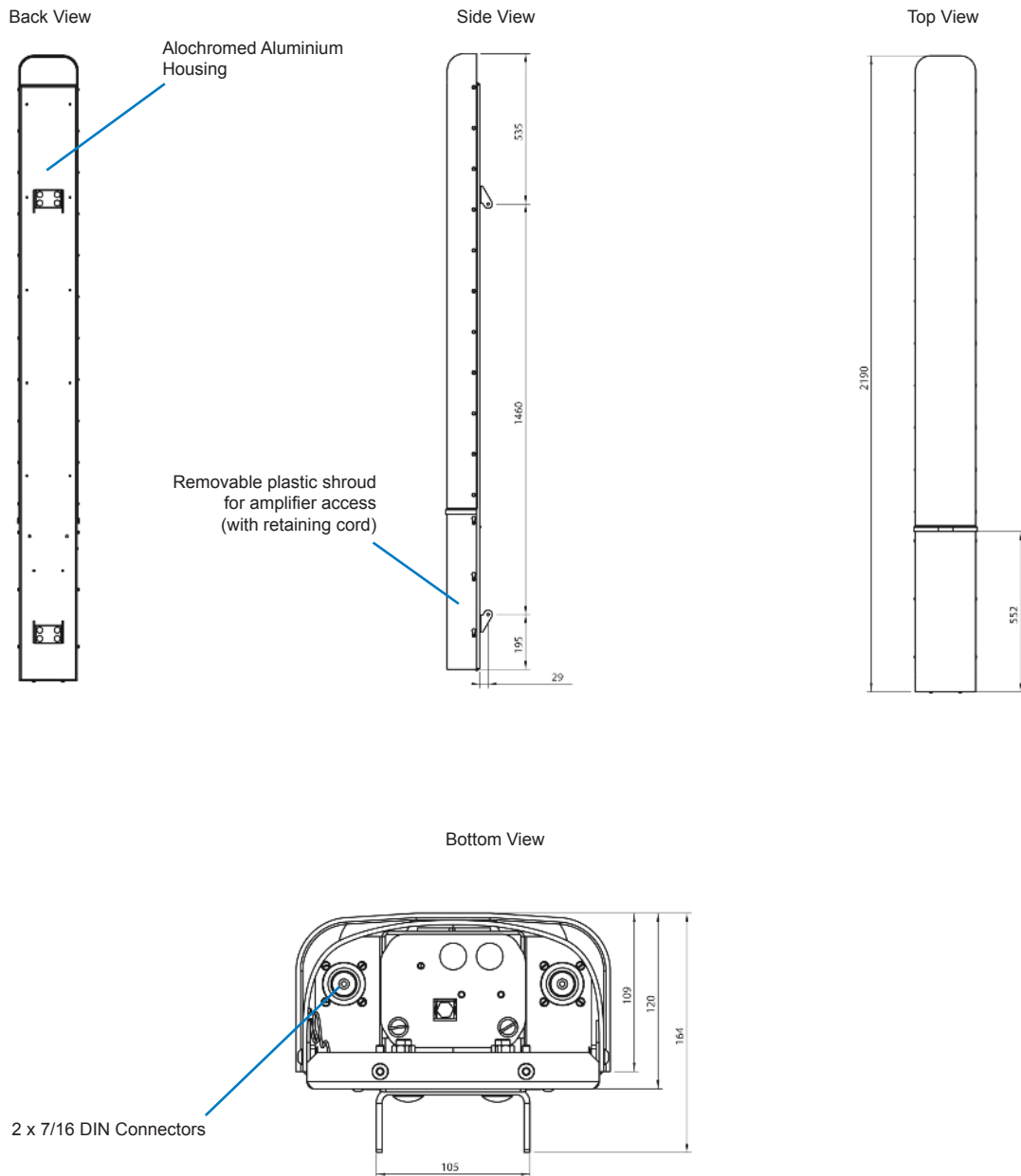
1710-2170 MHz



Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

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