

P90-17-XXW2-R**i-RET ANTENNA DVHBB90 1.2m
WXCM-2496-2690-65-17i/17i-Ai-R**

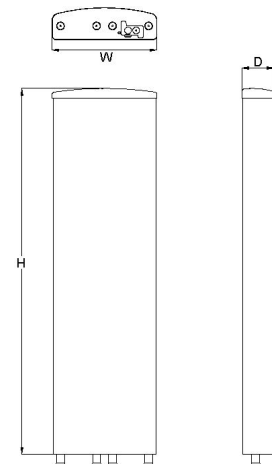
POLARIZATION: XXPoI
 FREQUENCY (MHz): 2496-2690
 HORIZONTAL BEAM WIDTH (°): 90
 GAIN (dBi dBd): 16.1 (Average)
 TILT: 0-10°
 LENGTH: 1.2M (48")

ELECTRICAL SPECIFICATIONS*

Frequency range (MHz)	2496-2690
Frequency band (MHz)	2496-2690
Gain (dBi/dBd)	16.1 (Average)
Polarization	2 x Dual linear ±45°
Nominal Impedance (Ω)	50
VSWR	<1.5:1
Horizontal beam width, -3 dB (°)	90 +/- 6°
Vertical beam width, -3 dB (°)	5.5
Electrical down tilt (°)	0-10
Side lobe suppression, vertical 1st upper (dB)	12 @ 0°, 17 @ 5°, 15 @ 10°
First null fill (dB)	>-24, typical >-18
Vertical beam squint (°)	<1.0 +/- .5°
Front to back ratio (dB) 180° ±30° coplanar	>30 @ 180°
Front to back ratio (dB) 180 ±30° total power	>25 @ +/-30° cone
Cross polar discrimination (XPD) 0° (dB)	>15
Cross polar discrimination (XPD) ±60° (dB)	>10
Far field coupling	N/A
IM3, 2xTx&43dBm (dBc)	<-153
Power handling, average per input (W)	250
Power handling, average total (W)	1000

MECHANICAL SPECIFICATIONS*

Connector	4 x 7/16 DIN Female, 2 x AISG [1x8510.40]
Connector position	Bottom
Dimensions, HxWxD, mm(ft)	1219 x 343 x 100 (48" x 13.5" x 3.9")
Mounting	Pre-mounted heavy duty brackets
Weight, with brackets, kg (lbs)	19.5 (44)
Weight, without brackets, kg (lbs)	14.2 (32)
Wind load, frontal/lateral/rear side 42 m/s Cd=1.6 (N)	520
Maximum operational wind speed, m/s (mph)	42 (93)
Survival wind speed, m/s (mph)	55 (123)
Lightning protection	DC Grounded
Operating Temperature	-30 to +70C
Radome Material	ASA
Radome colour	Light Grey
Packing size, HxWxD, mm (ft)	1430 x 400 x 200 (4'8" x 1'3" x 8")
Shipping weight, kg (lbs)	20 (45)
Brackets	7456.00A, 7454.00, 7455.00, 7458.00



*All specifications subject to change without notice. Please contact your Powerwave representative for complete performance data.

ANTENNA PATTERNS*

For detailed patterns visit <http://www.powerwave.com/rpa/>.