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i-RET ANTENNA HBB65 1.3m UXM-1710-2170-65-18i-Ai-D

POLARIZATION: X-Pol
 FREQUENCY (MHz): 1710-2170
 HORIZONTAL BEAM WIDTH (°): 65
 GAIN (dBi dBd): 18.3/16.2
 TILT: 0-10°
 LENGTH: 1.3m(4'3")

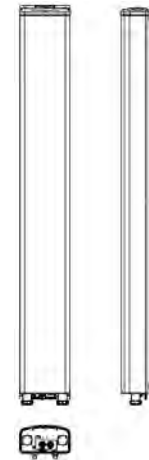
ELECTRICAL SPECIFICATIONS*

Frequency range (MHz)	1710-2170		
Frequency band (MHz)	1710-1880	1850-1990	1920-2170
Gain (dBi/dBd)	17.6/15.5	18.0/15.9	18.3/16.2
Polarization	Dual linear $\pm 45^\circ$		
Nominal Impedance (Ω)	50		
VSWR	<1.4:1		
Horizontal beam width, -3 dB (°)	67	66	64
Vertical beam width, -3 dB (°)	7.0	6.6	6.3
Electrical down tilt (°)	0-10		
Side lobe suppression, vertical 1st upper (dB)	>18, 18, 16, 16, 14, 12 @ 0, 2, 4, 6, 8, 10	>18, 18, 16, 16, 14, 12 @ 0, 2, 4, 6, 8, 10	>18, 18, 16, 16, 14, 12 @ 0, 2, 4, 6, 8, 10
Isolation between inputs (dB)	>30	>30	>30
Tracking, horizontal plane $\pm 60^\circ$ (dB)	<1.0	<1.0	<1.0
First null fill (dB)	>-24 typical >-17	>-24 typical >-17	>-24 typical >-17
Vertical beam squint (°)	0.5	0.5	0.5
Front to back ratio (dB) $180^\circ \pm 30^\circ$ copolar	>30	>30	>30
Front to back ratio (dB) $180^\circ \pm 30^\circ$ total power	>27	>27	>27
Cross polar discrimination (XPD) 0° (dB)	>17	>19	>20
Cross polar discrimination (XPD) $\pm 60^\circ$ (dB)	>18	>14	>12
Far field coupling			
IM3, 2xTx&43dBm (dBc)	<-153	<-153	
IM7, 2xTx&43dBm (dBc)			<-160
Power handling, average per input (W)	250		
Power handling, average total (W)	500		

No iRET module attached [8510.40]

MECHANICAL SPECIFICATIONS*

Connector	2x7/16 DIN Female
Connector position	Bottom
Dimensions, HxWxD, mm(ft)	1309x167x89.5 mm (4'3"x6"x3")
Mounting	Pre-mounted standard brackets
Weight, with brackets, kg (lbs)	10.5(23.1)
Weight, without brackets, kg (lbs)	6.8(15)
Wind load, frontal/lateral/rear side 42 m/s Cd=1.6 (N)	285 / 60 / 333
Maximum operational wind speed, m/s (mph)	42 (93)
Survival wind speed, m/s (mph)	55 (123)
Lightning protection	DC grounded
Operating Temperature	-40°C to +60°C
Radome Material	ASA
Radome colour	Light Gray
Packing size, HxWxD, mm (ft)	1480x200x200mm (4'10"x8"x8")
Shipping weight, kg (lbs)	14.2 (31.3)
RET	No iRET module attached [8510.40]
Brackets	7456.00A, 7454.00A, 7455.00, 7458.00A



*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/>.