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i-RET ANTENNA TBB65 1.4m ALXT-824-960/1710-2170-65-14.7i/15i/15i-Ai-D

POLARIZATION: XXX-Pol
 FREQUENCY (MHz): 824-960, 2x1710-2170
 HORIZONTAL BEAM WIDTH (°): 65
 GAIN (dBi/dBd): 14.7/12.6, 14.6/12.5, 14.6/12.5
 TILT: 0-20°/0-12°/0-12°
 LENGTH: 1.4m(4'7")

ELECTRICAL SPECIFICATIONS*

	824-960		2x1710-2170		
	806-894	880-960	1710-1880	1850-1990	1920-2170
Frequency range (MHz)	824-960		2x1710-2170		
Frequency band (MHz)	806-894	880-960	1710-1880	1850-1990	1920-2170
Gain (dBi/dBd)	14.1/12	14.7/12.6	14.4/12.3	14.6/12.5	14.8/12.7
Polarization	Dual linear ±45°		Dual linear ±45°		
Nominal Impedance (Ω)	50		50		
VSWR	<1.5:1		<1.5:1		
Horizontal beam width, -3 dB (°)	71	67	65	64	64
Vertical beam width, -3 dB (°)	14.9	13.9	13.3	12.6	12
Electrical down tilt (°)	0 - 20		0 - 12		
Side lobe suppression, vertical 1st upper (dB)	>18,17,16,16@ 2,4,8,12	>17,16,15,14@ 2,4,8,12	>17,16,15,14@ 0,4,8,12	>17,16,15,14@ 0,4,8,12	>17,16,15,14@ 0,4,8,12
Isolation between inputs (dB)	>30	>30	>30	>30	>30
Inter band Isolation (dB)	>38		>38		
Tracking, horizontal plane ±60° (dB)	<1	<2	<1.5	<1.2	<4
First null fill (dB)	25	25	25	25	25
Vertical beam squint (°)	0.7	0.7	0.7	1	1
Front to back ratio (dB)	>27	>28	>28	>28	>28
Front to back ratio, total power (dB)	>24	>24	>24	>24	>24
Cross polar discrimination (XPD) 0° (dB)	15	14	16	18	18
Cross polar discrimination (XPD) ±60° (dB)	> 9.3	>7.7	>6	>5.5	> 5.5
Far field coupling	< 0.35	< 0.50	< 0.55	< 0.74	< 0.74
IM3, 2xTx@43dBm (dBc)	<-153		<-153		
IM7, 2xTx@43dBm (dBc)			<-160		
Power handling, average per input (W)	300		250		
Power handling, average total (W)	600		500		

MECHANICAL SPECIFICATIONS*

Connector	6x 7/16 DIN Female
Connector position	Bottom
Dimensions, HxWxD, mm (ft)	1408x280x155mm (4'7"x11"x6")
Mounting	Pre-mounted heavy duty brackets
Weight, with brackets, kg (lbs)	17.5 (38.6)
Weight, without brackets, kg (lbs)	12 (26.4)
Wind load, frontal/lateral/rear side 42 m/s Cd=1.6 (N)	415
Maximum operational wind speed, m/s (mph)	42 (93)
Survival wind speed, m/s (mph)	55 (123)
Lightning protection	DC grounded
Operating Temperature	
Radome material	ASA
Package size, HxWxD, mm (ft)	1550x355x200 (5'1"x1'2"x7")
Radome colour	Light Grey
Shipping weight, kg (lbs)	21.5 (47.4)
RET	No iRET module attached
Brackets	7256.00, 2210.10, 7454.00A



*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/>.