

CMA-BDHH/6521/E0-6

XX-Pol: 1800-2100

Electrical specification:

Frequency range	1800:	1710-1880 MHz
	1900:	1850-1990 MHz
	2100:	1920-2170 MHz
Polarization		2 x Dual linear $\pm 45^\circ$
Gain	1800:	4 x 20.4 dBi
	1900:	4 x 20.7 dBi
	2100:	4 x 21.0 dBi
Horizontal = 3 dB beamwidth		$65^\circ \pm 5^\circ$
Vertical = 3 dB beamwidth	1800:	$4.6^\circ \pm 0.3^\circ$
	1900:	$4.2^\circ \pm 0.2^\circ$
	2100:	$3.9^\circ \pm 0.3^\circ$
Adjustable electrical downtilt		$0^\circ - 6^\circ$
VSWR		<1.5:1
Horizontal beam peak		$0^\circ \pm 3^\circ$
Horizontal tracking within $\pm 60^\circ$		<2 dB
Isolation between inputs		>30 dB
Front to back ratio		>25 dB
First upper sidelobe suppression		>16 dB
First nullfill below horizon		<20 dB
Cross-polar discrimination $+/- 0^\circ$		>20 dB
Cross-polar discrimination $+/- 60^\circ$		>10 dB
Front-to-Back $+/- 30^\circ$ total power		>25 dB
Inter modulation, IM3		>153 dBc@2x43 dBm
Inter modulation, IM7		>163 dBc@2x43 dBm
Antenna Efficiency*		92 %
Nominal impedance		50 Ω
Max power per input		500 W

Mechanical specification:

Connectors	4 x 7/16 female
Connector position	Bottom
Lightning protection	DC grounded
Height/Width/Depth mm (in)	2060 (81.1) / 403 (15.9) / 128 (5.0)
Antenna weight	34 kg (75 lb)
Wind load at 42 m/s (94 mph) :	Frontal: 741 N (167 lbf)
	Lateral: 114 N (26 lbf)
	Rear: 953 N (214 lbf)
Survival wind speed	67 m/s (150 mph)
Colour radome	Light Grey, RAL 7035
Radome material	ASA
Mounting hardware:	
Mounting bracket	2
Bracket weight (complete)	5.2 kg (11.5 lb)
Pole diameter	45-120 mm (1.8-4.7 in)
Tilt bracket	$0^\circ - 5^\circ$ mechanical

© 2011 CellMax Technologies AB reserves the right to modify or change the above specifications without notice.

* Based on true measurements and calculated according to P_{rad}/P_{in} .