

CMA-BDHH/6520/E0-8

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 19.2 dBi
	1900:	4 x 19.4 dBi
	2100:	4 x 19.6 dBi
Horizontal = 3 dB beamwidth		65° $\pm 5^\circ$
Vertical = 3 dB beamwidth	1800:	6.1° $\pm 0.4^\circ$
	1900:	5.6° $\pm 0.4^\circ$
	2100:	5.4° $\pm 0.4^\circ$
Adjustable electrical downtilt		0° - 8°
VSWR		<1.5:1
Horizontal beam peak		0° $\pm 3^\circ$
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 $\pm 0^\circ$		>20 dB
Cross-polar discrimination $\pm 60^\circ$		>10 dB
Front-to-Back $\pm 30^\circ$ total power		>25 dB
Inter modulation, IM3		>153 dBc@2x43 dBm
Inter modulation, IM7		>163 dBc@2x43 dBm
Antenna Efficiency*		94 %
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)	1641 (64.6) / 403 (15.9) / 128 (5.0)
Antenna weight	28 kg (62 lb)
Wind load at 42 m/s (94 mph) :	Frontal: 607 N (136 lbf)
	Lateral: 106 N (24 lbf)
	Rear: 766 N (172 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° - 5° mechanical

