

CMA-B/3324/E00

CMA-B/3324/E02

GSM / CDMA: 1800, 1900 & 2100

Electrical specification:

Frequency range	1800:	1710-1880 MHz
	1900:	1850-1990 MHz
	2100:	1920-2170 MHz
Polarization		Dual linear $\pm 45^\circ$
Gain (median over band)	1800:	2 x 23.3 dBi
	1900:	2 x 23.4 dBi
	2100:	2 x 24.4 dBi
Horizontal = 3 dB beamwidth		$33^\circ \pm 3^\circ$
Vertical = 3 dB beamwidth	1800:	$4.6^\circ \pm 0.3^\circ$
	1900:	$4.2^\circ \pm 0.2^\circ$
	2100:	$3.9^\circ \pm 0.3^\circ$
Fixed electrical downtilt		0° and 2°
VSWR	1800:	<1.5:1
	1900:	<1.4:1
	2100:	<1.4:1
Horizontal sidelobe suppression		>16 dB
Isolation between inputs		>30 dB
Front to back ratio		>30 dB
First upper sidelobe suppression		>18 dB
First nullfill below horizon		<20 dB
Cross-polar discrimination		>20 dB
Inter modulation, IM3 (GSM)		>153 dBc@2x43 dBm
Inter modulation, IM7 (UMTS)		>163 dBc@2x43 dBm
Antenna Efficiency*		94 %
Nominal impedance		50 Ω
Max power per input		500 W

Mechanical specification:

Connectors	2 x 7/16 female
Connector position	Bottom
Lightning protection	DC grounded
Height/Width/Depth mm (in)	2070 (81.5) / 288 (11.3) / 125 (4.9)
Antenna weight	21 kg (46 lb)
Wind load at 42 m/s (94 mph) :	Frontal: 574 N (129 lbf)
	Lateral: 186 N (42 lbf)
	Rear: 481 N (108 lbf)
Survival wind speed	60 m/s (134 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

Ordering information:

E00	110005
E02	110010

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} .
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