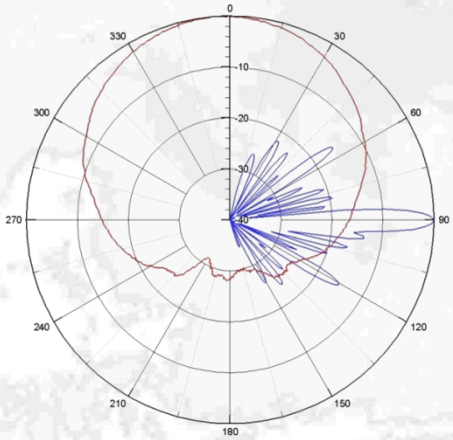
Dual-Pol Antenna
CMA-L/6521/E0-6

X-pol: 2300-2690



Electrical specification:

Frequency range per input (MHz)		2 x 2300-2690	
Frequency band definitions (MHz)	2300-2400	2400-2496	2496-2690
Polarization		Dual linear ±45°	
Gain (dBi)	20.1	20.4	21.0
Horizontal = 3 dB beamwidth (°) ±3°	65	64	62
Vertical = 3 dB beamwidth (°) ±0.4°	4.3	4.1	3.9
Adjustable electrical downtilt (°)		0 - 6	
Front to back ratio, ±30° total power (dB)		>25	
First upper sidelobe suppression (dB)		0°, 3°, 6° >19, >18, >18	
First nullfill below horizon (dB)		<20	
Cross-polar discrimination +/-0° (dB)		>20	
Cross-polar discrimination +/-60° (dB)		>10	
VSWR		<1.5:1	
Isolation between inputs (dB)		>30	
Sector power ratio		5 %	
Antenna efficiency*		94 %	
Inter modulation, IM3 (dBc)		<-153 @2x43 dBm, typical <-160	
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)	1641 (64.6) / 196 (7.7) / 122 (4.8)
Antenna weight	13 kg (29 lb)
Wind load at 42 m/s (94 mph) :	
Frontal:	307 N (69 lbf)
Lateral:	110 N (25 lbf)
Rear:	182 N (41 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

Ordering information:

CMA-L/6521/E0-6/MET	110215
CMA-L/6521/E0-6/RET	110220

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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