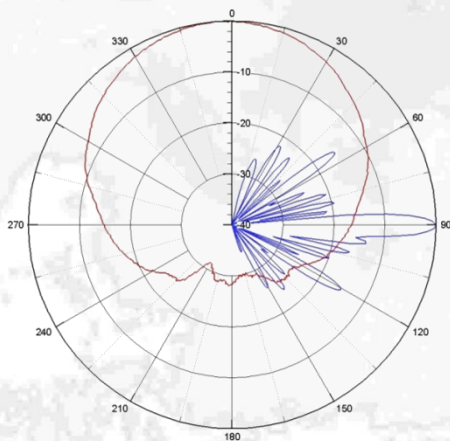


Dual-Pol Antenna CMA-B/6520/E0-8

X-pol: 1710-2180



Electrical specification:

Frequency range per input (MHz)	2 x 1710-2180		
Frequency band definitions (MHz)	1710-1880	1850-1990	1920-2180
Polarization	Dual linear $\pm 45^\circ$		
Gain (dBi)	19.0	19.4	20.0
Horizontal = 3 dB beamwidth ($^\circ$) $\pm 3^\circ$	65	63	61
Vertical = 3 dB beamwidth ($^\circ$) $\pm 0.4^\circ$	6.0	5.6	5.2
Adjustable electrical downtilt ($^\circ$)	0 - 8		
Front to back ratio, $\pm 30^\circ$ total power (dB)	>25		
First upper sidelobe suppression (dB)	0 $^\circ$, 4 $^\circ$, 8 $^\circ$ >18, >17, >16		
First nullfill below horizon (dB)	<20		
Cross-polar discrimination +/-0 $^\circ$ (dB)	>20		
Cross-polar discrimination +/-60 $^\circ$ (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 (28 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 $^\circ$ - 5 $^\circ$ mechanical

Ordering information:

CMA-B/6520/E0-8/MET	110031 B
CMA-B/6520/E0-8/RET	110032 B