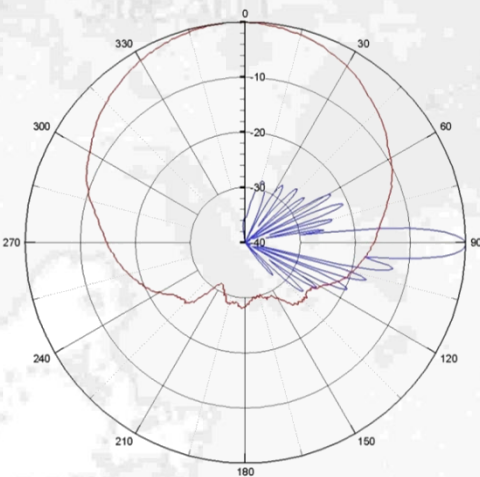


Dual-Pol Antenna CMA-B/6519/E0-8

X-Pol: 1710-2180



Electrical specification:

Frequency range per input (MHz)	1710-1880	2 x 1710-2180 1850-1990	1920-2180
Frequency band definitions (MHz)			
Polarization		Dual linear $\pm 45^\circ$	
Gain (dBi)	18.3	18.8	19.4
Horizontal = 3 dB beamwidth ($^\circ$) $\pm 3^\circ$	65	63	61
Vertical = 3 dB beamwidth ($^\circ$) $\pm 0.4^\circ$	7.2	6.8	6.4
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)	1298 (51.1) / 196 (7.7) / 122 (4.8)
Antenna weight	10 kg (22 lb)

Wind load at 42 m/s (94 mph) :

Frontal:	235 N (53 lbf)
Lateral:	91 N (21 lbf)
Rear:	153 N (35 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 $^\circ$ - 8 $^\circ$ mechanical

Ordering information:

CMA-B/6519/E0-8/MET	110035 B
CMA-B/6519/E0-8/RET	110045 B