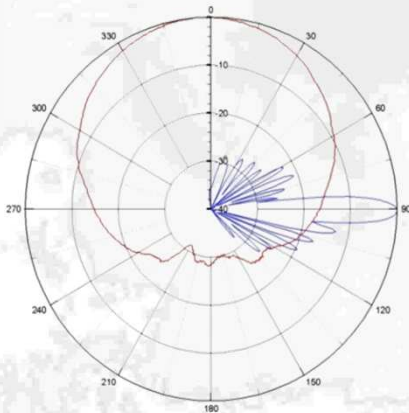
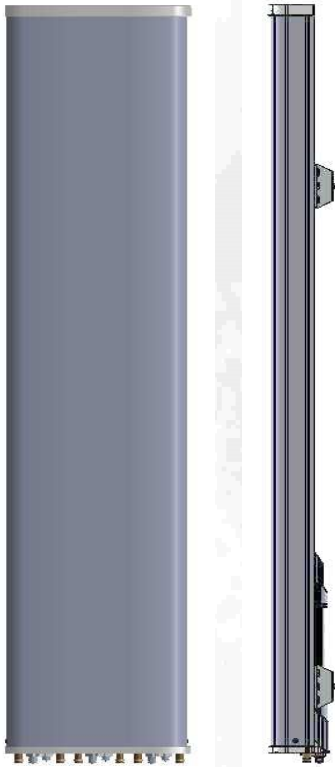


Hex-Port Antenna

CMA-UBDHHH/6520/E2-10

XXX-Pol: 1710-2690



Electrical specification:

Frequency range per input (MHz)	6 x 1710-2690			
Frequency band definitions (MHz)	1710 -1880	1920 -2170	2300 - 2400	2490 -2690
Polarization	Dual linear $\pm 45^\circ$			
Gain (dBi)	19.0	19.4	19.6	20.3
Horizontal = 3 dB beam width ($^\circ$) $\pm 3^\circ$	66	62	60	55
Vertical = 3 dB beam width ($^\circ$) $\pm 0.6^\circ$	6.4	5.9	5.5	4.8
Adjustable electrical down tilt ($^\circ$)	2 - 10			
Front to back ratio, $\pm 30^\circ$ total power (dB)	>25			
First upper side lobe suppression (dB)	2 $^\circ$ >18	6 $^\circ$ >17		10 $^\circ$ >16
First null fill below horizon, typ. (dB)	<20			
Cross-polar discrimination $+/-0^\circ$ (dB)	> 20			
Cross-polar discrimination $+/-60^\circ$ (dB)	> 10			
Nominal impedance (Ω)	50			
VSWR	< 1.5:1			
Isolation between inputs (dB)	> 30			
Antenna efficiency*	90 %			
Inter modulation, IM3	<-153 dBc@2x43 dBm			
Max power per input	500 W			

Mechanical specification:

Connectors	6 x 4.3-10 female
Connector position	Bottom
Lightning protection	DC grounded
Height/Width/Depth	1390 mm (54.7 in) / 420 mm (16.5 in) / 135 mm (5.3 in)
Antenna weight	20 kg (44 lbs)

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

Frontal:	540 N (121 lbf)
Lateral:	71 N (16 lbf)
Rear:	640 N (144 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-UBDHHH/6520/E2-10/MET	120150
CMA-UBDHHH/6520/E2-10/RET	120155