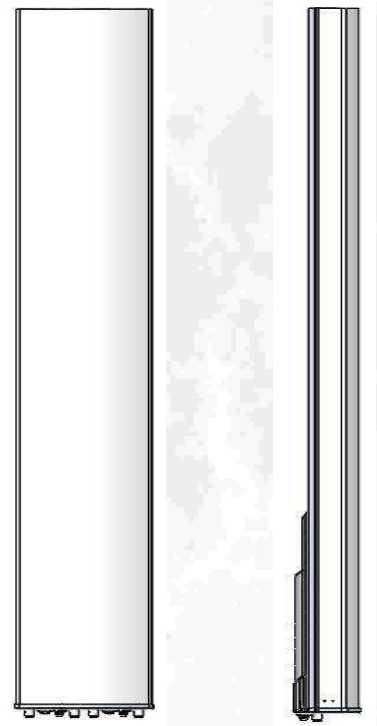
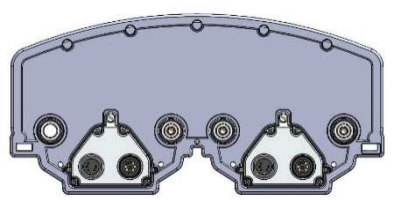
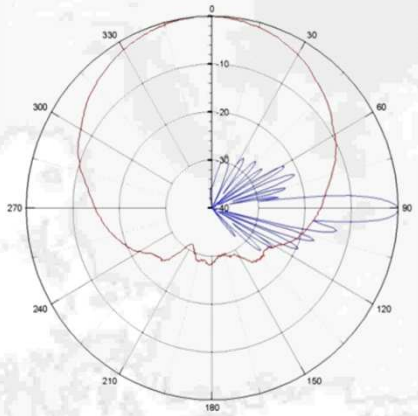
Quad-Port Antenna
CMA-UBDHH/6520/E2-10







XX-Pol: 1710-2690

Electrical specification:				
Frequency range per input (MHz)	4 x 1710-2690			
Frequency band definitions (MHz)	1710 -1880	1920 -2170	2300 - 2400	2490 -2690
Polarization	Dual linear ±45°			
Gain (dBi)	19.0	19.4	19.6	20.3
Horizontal = 3 dB beam width (°) ±3°	66	62	60	55
Vertical = 3 dB beam width (°) ±0.6°	6.4	5.9	5.5	4.8
Adjustable electrical down tilt (°)	2 - 10			
Front to back ratio, ±30° total power (dB)	>25			
First upper side lobe suppression (dB)	2°	6°		10°
	>18	>17		>16
First null fill below horizon, typ. (dB)	<20			
Cross-polar discrimination +/-0° (dB)	> 20			
Cross-polar discrimination +/-60° (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	4 x 4.3-10 female			
Connector position	Bottom			
Lightning protection	DC grounded			
Height/Width/Depth	1390 mm (54.7 in) / 284 mm (11.2 in) / 135 mm (5.3 in)			
Antenna weight	13.5 kg (30 lbs)			
Wind load at 42 m/s (94 mph) :				
Frontal:	365 N (82 lbf)			
Lateral:	71 N (16 lbf)			
Rear:	432 N (97 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° - 8° mechanical			
Ordering information:				
CMA-UBDHH/6520/E2-10/MET	120110			
CMA-UBDHH/6520/E2-10/RET	120115			

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}.

CellMax Technologies AB