

Quad-Port Antenna

CMA-UBDHH/6520/E2-10

XX-Pol: 1710-2690

Electrical specification:

Frequency range per input (MHz)
Frequency band definitions (MHz)

Polarization

Gain (dBi)

Horizontal = 3 dB beam width (°) $\pm 3^\circ$

Vertical = 3 dB beam width (°) $\pm 0.6^\circ$

Adjustable electrical down tilt (°)

Front to back ratio, $\pm 30^\circ$ total power (dB)

First upper side lobe suppression (dB)

First null fill below horizon, typ. (dB)

Cross-polar discrimination $+/-0^\circ$ (dB)

Cross-polar discrimination $+/-60^\circ$ (dB)

Nominal impedance (Ω)

VSWR

Isolation between inputs (dB)

Antenna efficiency*

Inter modulation, IM3

Max power per input

Mechanical specification:

Connectors

Connector position

Lightning protection

Height/Width/Depth

Antenna weight

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

Survival wind speed

Colour radome

Radome material

Mounting hardware:

Mounting bracket

Bracket weight (complete)

Pole diameter

Tilt bracket

Ordering information:

CMA-UBDHH/6520/E2-10/4.3-10/MET

CMA-UBDHH/6520/E2-10/4.3-10/RET

4 x 1710-2690

1710 -1880

1920 -2170

2300 - 2400

2490 -2690

Dual linear $\pm 45^\circ$

18.3

18.8

19.4

20.2

67

62

60

56

6.6

5.8

4.9

4.5

2 - 10

>25

2°

6°

10°

>16

>14

>12

<25

> 24

> 10 (for less than 5° EDT), > 7.5 worst.

50

< 1.5:1

> 28

91 %

<-155 dBc@2x43 dBm (<-160 dBc typical)

500 W

4 x 4.3-10 female

Bottom

DC grounded

1385 mm (54.5 in) / 291 mm (11.5 in) / 135 mm (5.3 in)

14 kg (31 lbs)

Frontal:

Lateral:

Rear:

363 N (82 lbf)

80 N (18 lbf)

456 N (103 lbf)

67 m/s (150 mph)

Light Grey, RAL 7035

ASA

2

5 kg (11 lb)

45-120 mm (1.8-4.7 in)

0° - 8° mechanical

120110

120115

