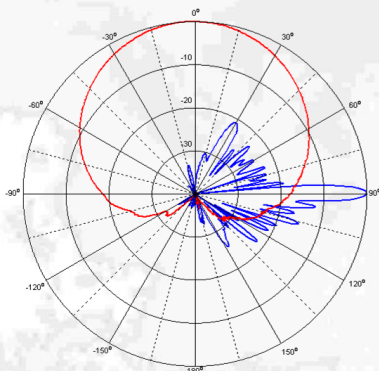


CMA-B/6521/E0-6

X-Pol: 1800-2100



Electrical specification:

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

1710-1880
2 x 1710-2180
1850-1990
1920-2180

Polarization

Dual linear $\pm 45^\circ$

Gain (dBi)

20.3
20.7
21.2

Horizontal = 3 dB beamwidth ($^\circ$) $\pm 3^\circ$

65
63
62

Vertical = 3 dB beamwidth ($^\circ$) $\pm 0.3^\circ$

4.4
4.2
3.9

Adjustable electrical downtilt ($^\circ$)

0 - 6

Front to back ratio (dB)

>25

First upper sidelobe suppression (dB)

0°, 3°, 6°
>18, >17, >18

First nullfill below horizon (dB)

< 20

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

> 20

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

> 10

VSWR

< 1.5:1

Isolation between inputs (dB)

> 30

Antenna Efficiency*

92 %

Inter modulation, IM3

> 153 @2x43 dBm

Inter modulation, IM7

> 163 @2x43 dBm

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)

2060 (81.1) / 196 (7.7) / 122 (4.8)

Antenna weight

16 kg (35 lb)

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

Frontal: 360 N (81 lbf)

Lateral: 154 N (35 lbf)

Rear: 310 N (70 lbf)

Survival wind speed

60 m/s (134 mph)

Colour radome

Light Grey, RAL 7035

Radome material

ASA

Mounting hardware:

Mounting bracket

2

Bracket weight (complete)

5 kg (11 lb)

Pole diameter

45-120 mm (1.8-4.7 in)

Tilt bracket

0° - 5° mechanical

Ordering information:

MET Version

110040 B

RET Version

110050 B