

Multi-band Antenna

VTLTE-MBA-2



1.Dimension (Unit: mm)

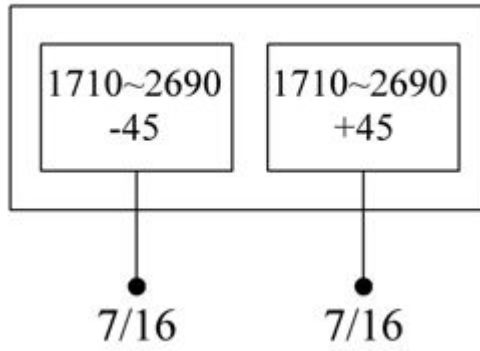
2.Electrical Characteristic

No	Item	Specifications			
1	Frequency (MHz)	1710~1990	1920~2200	2200~2490	2490~2690
2	Gain-dBi	2×17	2×17.4	2×17.5	2×17.2
3	Electrical Downtilt(°)	0-12			
4	Polarization	±45°			
5	Half-power beam width(°)	Horizontal:68 Vertical:7	Horizontal:65 Vertical:3.5	Horizontal:60 Vertical:6	Horizontal:60 Vertical:5.5

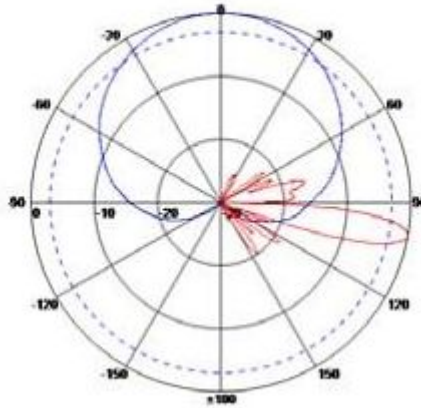
6	Sidelobe suppression for first Sidelobe above main beam(dB)	10°...14°...18°...22° 15...14...14...12
7	Front-to-back ratio	≥25
8	Cross-polar discrimination (dB)	≥15(±60°≥8)
9	V.S.W.R (in BW)	≤1.5
10	Isolation -dB	≥28
11	Intermodulation IM3 (2×43dBm carrier)	≤-150dBc
12	Impedance	50 Ω
13	Maximum power	300W
14	Lighting protection	DC Ground

3. Mechanical

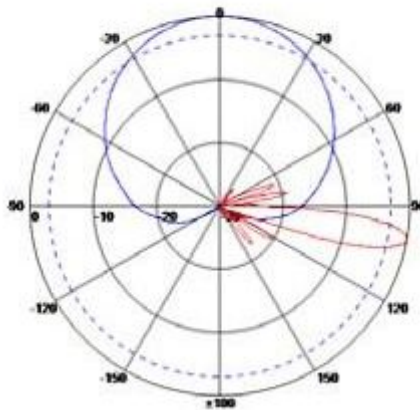
No.	Item	Specification
1	Cable	---
2	Connector	2×7/16DIN female
3	Connector position	Bottom
4	Size	1400×160×80mm
5	Packing size	1600×210×165mm
6	Radome material	Fiberglass
7	Radome color	Gray
8	Mechanical tilt(°)	0~10
9	Operation temperature-°C	-40~60
10	Rated wind velocity(m/s)	60
11	Supporting Pole Diameter	50~80
12	Mounting Kit	JM-1800CZ
13	Electrical downtilt adjustment	Manual or by optional RCU



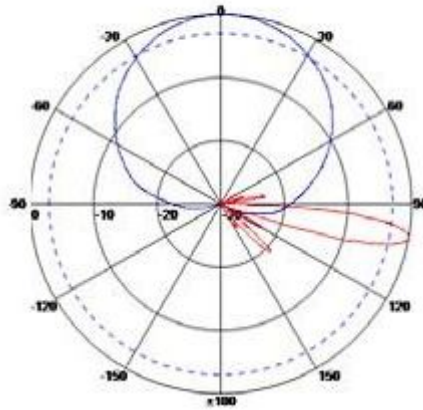
1710~1990MHz: $\pm 45^\circ$ Pol.



1920~2200MHz: $\pm 45^\circ$ Pol.



2200~2490MHz: $\pm 45^\circ$ Pol.



2490~2690MHz: $\pm 45^\circ$ Pol.

