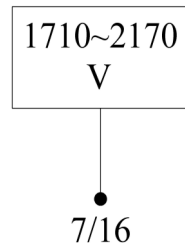


VPol 1710~2170MHz 90° 16dBi 0° Tilt

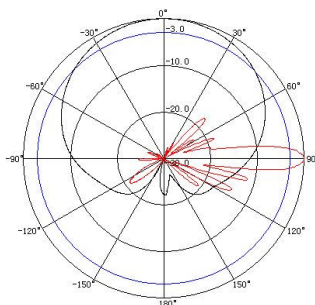
| Electrical specifications                                    | KBT90VP16-1820AT0             |                             |                               |
|--------------------------------------------------------------|-------------------------------|-----------------------------|-------------------------------|
| Frequency range (MHz)                                        | 1710~1880                     | 1850~1990                   | 1920~2170                     |
| Polarization                                                 | Vertical                      |                             |                               |
| Gain (dBi)                                                   | 15.5                          | 15.5                        | 16                            |
| Electrical Downtilt (°)                                      | 0                             |                             |                               |
| Half-power beam width (°)                                    | Horizontal:90<br>Vertical:8.5 | Horizontal:89<br>Vertical:8 | Horizontal:88<br>Vertical:7.5 |
| Sidelobe suppression for first sidelobe above main beam (dB) | ≥15                           |                             |                               |
| Front-to-back ratio (dB)                                     | ≥23                           |                             |                               |
| Impedance (Ω)                                                | 50                            |                             |                               |
| VSWR                                                         | ≤1.4                          |                             |                               |
| Intermodulation IM3<br>(2×43dBm carrier)                     | ≤-150dBc                      |                             |                               |
| Maximum power (W)                                            | 200                           |                             |                               |
| Lighting protection                                          | DC Ground                     |                             |                               |



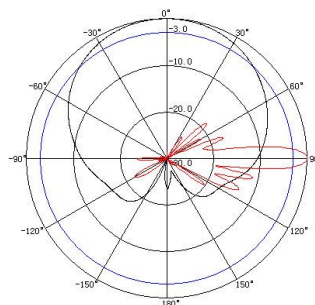
| Mechanical specifications   |                |
|-----------------------------|----------------|
| Connector                   | 7/16DIN Female |
| Connector position          | Bottom         |
| Height/width/depth (mm)     | 1080×160×80    |
| Packing size (mm)           | 1190×210×150   |
| Weight (kg)                 | 7              |
| Radome material             | UPVC           |
| Radome color                | Gray           |
| Mechanical tilt (°)         | 0~15           |
| Operating temperature (°C)  | -40~60         |
| Rated wind velocity (m/s)   | 60             |
| Suitable pole diameter (mm) | 50~115         |
| Mounting kit                | JM-1800BZ      |



1710~1880MHz: VPol.



1850~1990MHz: VPol.



1920~2170MHz: VPol.

