

MBMF-X-65-13T2-EDA

Single-band antenna

1710-2700

Dual Polarization

 $\pm 45^\circ$

HPBW

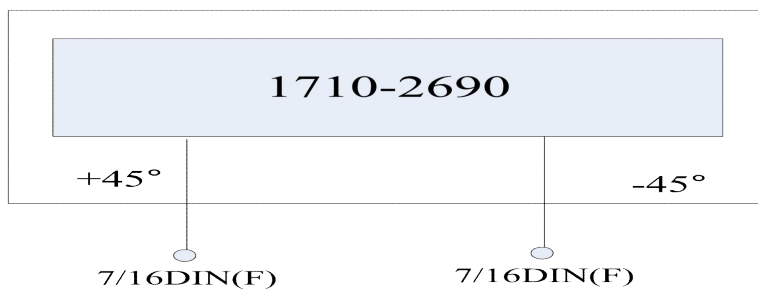
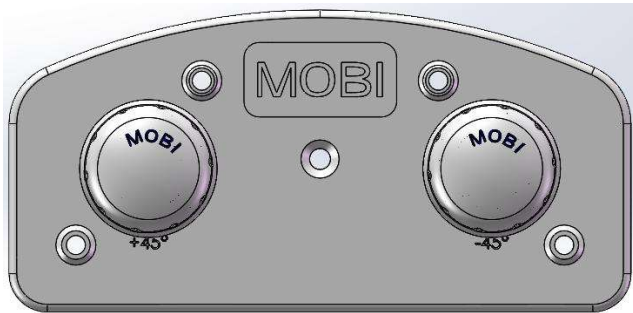
65°

Electrical Properties

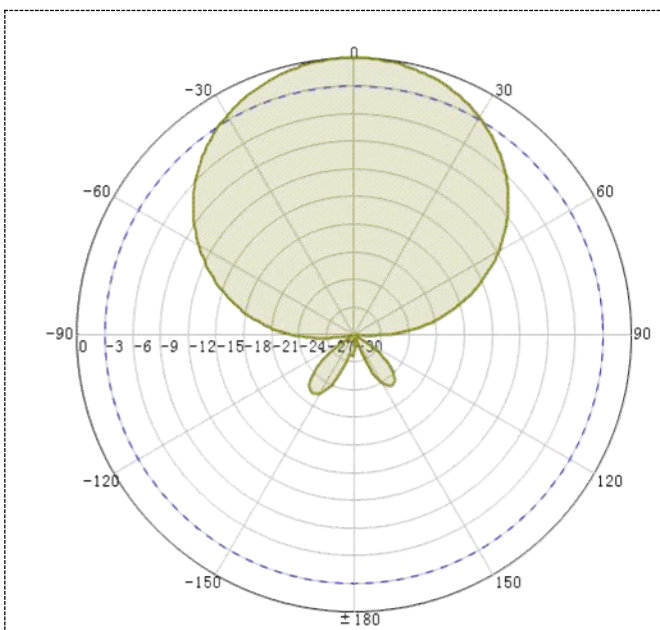
| | |
|--|----------------|
| Frequency Range (MHz) | 1710-2700 |
| Polarization (°) | $\pm 45^\circ$ |
| VSRW | ≤ 1.5 |
| Isolation (dB) | ≥ 25 |
| Gain (dBi) | 13 |
| Horizontal -3dB Beamwidth (°) | 65 ± 5 |
| Vertical -3dB Beamwidth (°) | 16 |
| Upper Side Lobe Suppression (dB) | 15 |
| Front to back Ratio, ± 30 (dB) | ≥ 23 |
| Cross-Polar Discrimination 0° (dB) | ≥ 15 |
| Cross-Polar Discrimination $\pm 60^\circ$ (dB) | ≥ 8 |
| Electrical Downtilt (°) | 2 |
| PIM3 (2x43 dBm carrier) (dBc) | / |
| Impedance (Ω) | 50 |
| Grounding | DC Ground |
| Max. Average Input Power per Port (W) | 20 |

Mechanical Properties

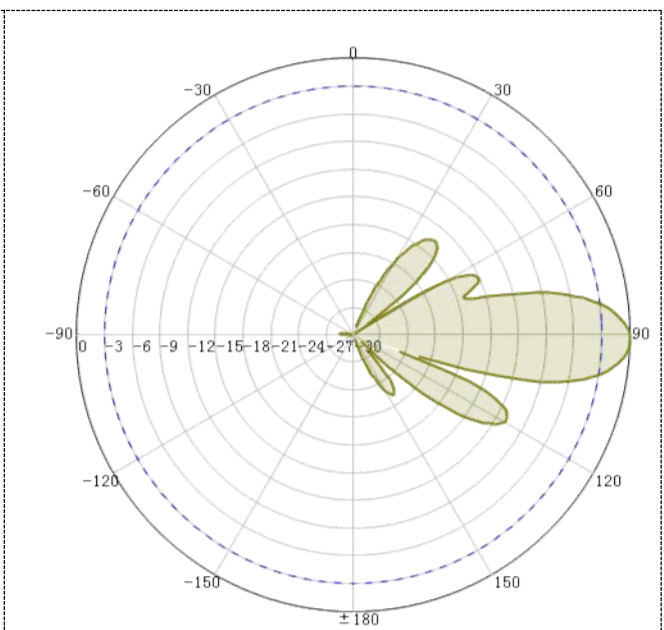
| | |
|----------------------------|-----------------------------|
| Radome Material | UPVC |
| Connector Type | 7/16DIN (F) $\times 2$ |
| Antenna Dimension (mm) | $600 \times 157 \times 73$ |
| Packing Size (mm) | $710 \times 240 \times 195$ |
| Antenna Weight (kg) | 3.6 |
| Mechanical Downtilt (o) | 0-10 |
| Bracket Diameter (mm) | 50-114 |
| Pole length (mm) | > 1200 |
| Operating Temperature (°C) | -40+65 |
| Wind Load (150 km/h) | Frontal/Lateral/Rear side |
| Maximum Wind Speed (km/h) | 271/93/329N |



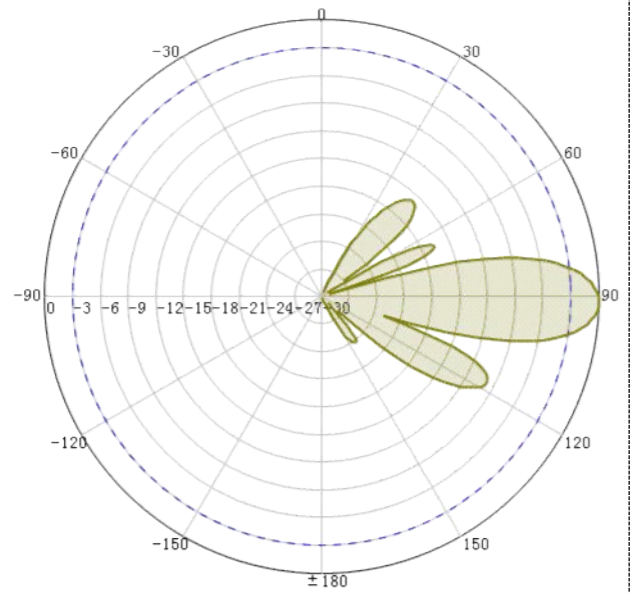
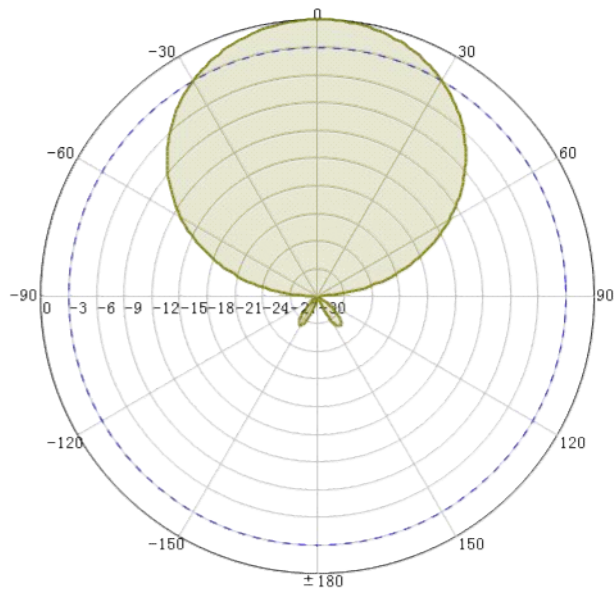
H-Pattern



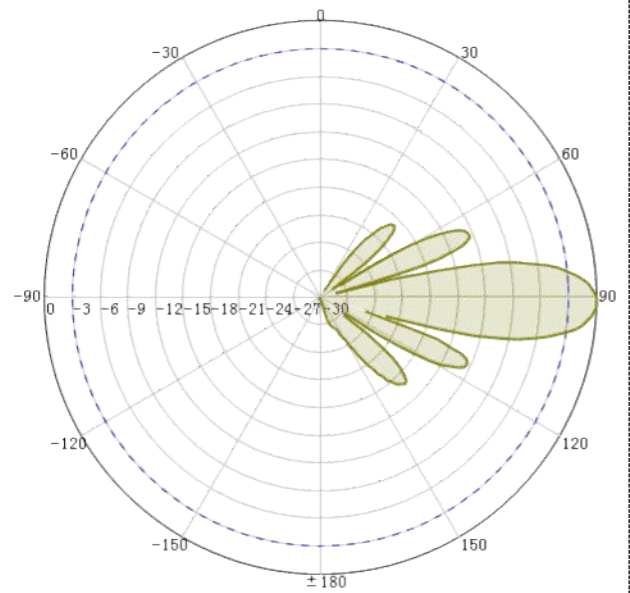
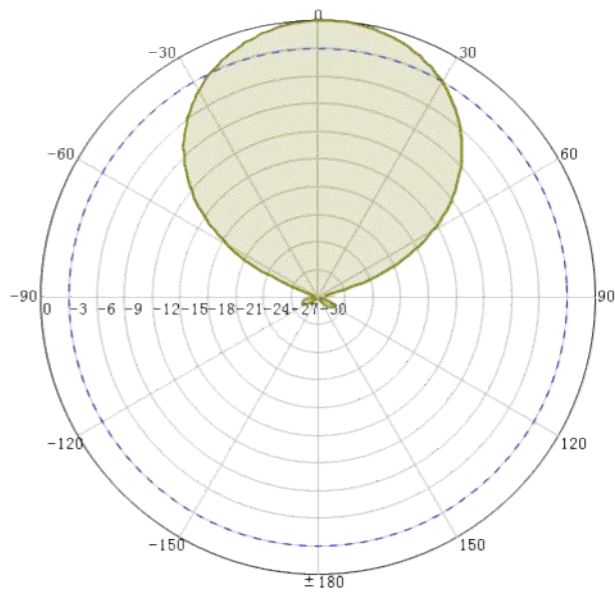
V-Pattern



1710MHz



2170MHz



2700MHz