


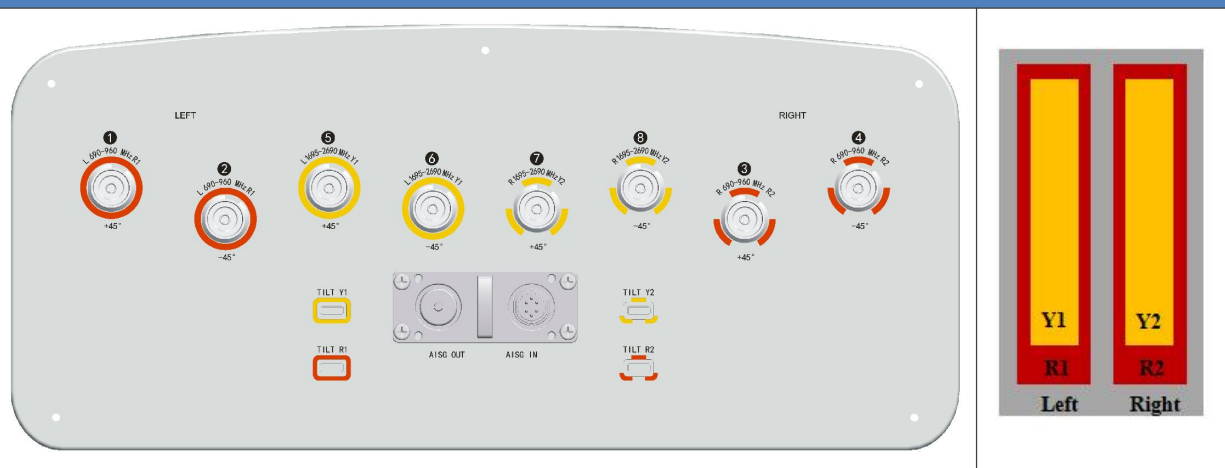
2xLow (690-960MHz)+2x High (1695-2690 MHz)
65° +65° HBW /17&18dBi /2°-10°&2°-12°T
8 x 4.3-10 Female Connectors /2L2H/2.55m

| Electrical Specifications(BASTA) | | | | | |
|--|----------------|---------------------------------------|-------------|-------------|-------------|
| Frequency Range(MHz) | | 2×(690-960) (R1/R2) | | | |
| | | 690-862 | 824-894 | 880-960 | |
| Polarization(°) | | ±45 | | | |
| Electrical Downtilt(°) | | 2-10 (Independent electric regulator) | | | |
| Gain (dBi) | Mid tilt | 16.3 | 16.6 | 16.8 | |
| | Over all tilts | 16.1±0.5 | 16.5±0.5 | 16.7±0.5 | |
| First upper Side Lobe Suppression (dB) | | >15 | >16 | >16 | |
| Azimuth Beamwidth 3dB(°) | | 67±3.5 | 66±2.5 | 62±2.5 | |
| Elevation Beamwidth 3dB(°) | | 9±0.5 | 8.5±0.5 | 8.0±0.4 | |
| Cross-Polar Ratio @0°(dB) | | >20 | >20 | >20 | |
| Cross-Polar Ratio @±60°(dB) | | >10 | >10 | >10 | |
| Front to Back Ratio 180°±30° (dB) | | >25 | >26 | >26 | |
| Frequency Range(MHz) | | 2×(1695-2690)(Y1,Y2) | | | |
| | | 1695- 1880 | 1920 - 2170 | 2300 - 2400 | 2500 - 2690 |
| Polarization(°) | | ±45 | | | |
| Electrical Downtilt(°) | | 2-12 (Independent electric regulator) | | | |
| Gain (dBi) | Mid tilt | 17.1 | 17.6 | 17.9 | 18.1 |
| | Over all tilts | 17.0±0.5 | 17.5±0.5 | 17.8±0.5 | 18.0±0.5 |
| First upper Side Lobe Suppression (dB) | | >17 | >17 | >17 | >17 |
| Azimuth Beamwidth 3dB(°) | | 66±2.8 | 65±2.5 | 63±2.2 | 59±3.3 |
| Elevation Beamwidth 3dB(°) | | 6.8±0.4 | 6.6±0.5 | 5.5±0.4 | 5.0±0.3 |
| Cross-Polar Ratio @0°(dB) | | >20 | >20 | >20 | >20 |
| Cross-Polar Ratio @0°(dB) | | >10 | >10 | >10 | >10 |
| Front to Back Ratio 180°±30° (dB) | | >26 | >26 | >27 | >27 |
| VSWR | | < 1.5 | | | |
| 3rd PIM@2 x 43 dBm (dBc) | | < -150 | | | |
| Isolation: intra-system (dB) | | > 28 | | | |
| Isolation: inter-system (dB) | | > 28 | | | |
| Max. power per port(W) | | 400 (690-960MHz); 250 (1695-2690MHz) | | | |
| Impedance (Ω) | | 50 | | | |
| Lightning Protection | | DC Ground | | | |

Mechanical Specifications(BASTA)

| | | |
|--|---|---|
| RET type | Integrated RET (AISG2.0/3GPP) |  |
| AISG Connectors (1 input and 1 output) | 2x8 pin (in: Male; out: Female) | |
| Connector | 8×4.3-10 female, Bottom | |
| Antenna dimensions (H x W x D) (mm) | 2550×448×198 | |
| Packing dimensions (H x W x D) (mm) | 2830×540×290 | |
| Antenna weight (kg) | 39 | |
| Clamps weight (kg) | 5.5 | |
| Packing weight(kg) | 50 | |
| Diameter of installation pole | φ50~φ110mm | |
| Radome material | Fiberglass | |
| Mechanical Tilt Range (°) | 0~10 | |
| Radome color | Light grey | |
| Operational temperature (°C) | -40 to +60 | |
| Wind load @150km/h (N) | 1150/350/965(Frontal/Lateral/Rear side) | |
| Max. operational wind speed (km/h) | 241 | |

Layout



| Frequency Range | Array | Connector |
|-----------------|-------|-----------|
| 690-960MHz | R1/R2 | 1-2/3-4 |
| 1695-2690MHz | Y1/Y2 | 5-6/7-8 |

Pattern

