

Super Antenna System Specification

| RF, electrical and mechanical specification per panel and multifoors | | | |
|--|-------------------------|---|------------|
| Lobes, Gain and KPI | | Dual Beam | |
| Product number | | RIULBA960A | RILBB0960B |
| | | RIULBB960A | RILBB0960B |
| Frequency band model | MHz | LB 694-960 | LB 790-960 |
| Vertical lobe height, H=1 floor | θ_v° | | 7,1° |
| Vertical lobe height, H=2 floor | | | 3,6° |
| Vertical lobe height, H=4 floor | | | 1,8° |
| Horizontal lobe connected | θ_h° | 2 X 47° opt.1 x 47° | |
| Panels sidewise for hor. lobes | N | 1 | |
| Nr of sectors obtained/panel | qty | 2 | |
| Nr of ports (<i>regardless</i> of nr of floors) | qty | 4 | |
| Radio Units required 2T2R | qty | 2 | |
| Gain/input port, L45/R45: | | | |
| One floor | dBi | 20 | |
| Two floors | dBi | 23 | |
| Four floors | dBi | 26 | |
| Eight floors | dBi | 29 | |
| Lobes, Gain and KPI | | Single Beam | |
| Product number | | RIULBA960B | RILBA0960B |
| | | RIULBB960B | RILBB0960B |
| Frequency band model | MHz | Low Band 694-960 / 790-960 | |
| Vertical lobe height, H=1 floor | θ_v° | 7,1° | |
| Vertical lobe height, H=2 floor | | 3,6° | |
| Vertical lobe height, H=4 floor | | 1,8° | |
| Horizontal lobe connected | θ_h° | 1 X 47° | |
| Panels sidewise for hor. lobes | N | 1 | |
| Nr of sectors obtained/panel | qty | 2 | |
| Nr of ports (<i>regardless</i> of nr of floors) | qty | 4 | |
| Radio Units required 2T2R | qty | 1 | |
| Gain/input port, L45/R45: | | | |
| One floor | dBi | 21 | |
| Two floors | dBi | 24 | |
| Four floors | dBi | 27 | |
| Eight floors | dBi | 30 | |
| F/M1 Gx x RRH ports/panel | x | 504 | |
| F/M2 Gx x RRH ports/EPA total | x/m2 | 2 878 | |
| Mechanical Specification | | | |
| EPA of Single Panel | m2 | 1,0 | |
| EPA of Single Panel <i>in Cylinder</i> | m2 | 0,175 | |
| Height/Width/Depth of Singel Panel | m | 2,5/0,36/0,27 | |
| Height/Width/Depth of Two Floors | m | 5/0,36/0,27 | |
| Height/Width/Depth of Four Floors | m | 10/0,36/0,27 | |
| Height/Width/Depth of Eight Floors | m | 20/0,36/0,27 | |
| Weight of Single Panel | kg | 34,5 | |
| Weight of Two floors | kg | 65 + 13(VLSUs + HLSUs) + 10(brackets) +cables = 95 | |
| Weight of Four floors | kg | 130 + 22(VLSUs + HLSUs) + 19(brackets) +small acc. = 181 | |
| Weight of Eight floors | kg | 260 + 48,5(VLSUs + HLSUs) + 35(brackets) +small acc. = 369 | |
| Mounting | | To mounting platform/floor steel frame w. guided 4-corner arms/jig w. 8- M6 bolts | |
| Vertical alignment in tower | | Within +/- 4 mm / 2,5 m < 0,1°. By water gauge 1,5 m long | |
| Compatibility | Standards Modulation | 5G, 4G, 3G, 2G TDD & FDD | |

Note 1: Amplitude and phase grading models. Plus LL-VLSUs + HLSUs + phase cables give System total gain, vertical and horizontal sidelobes performance.