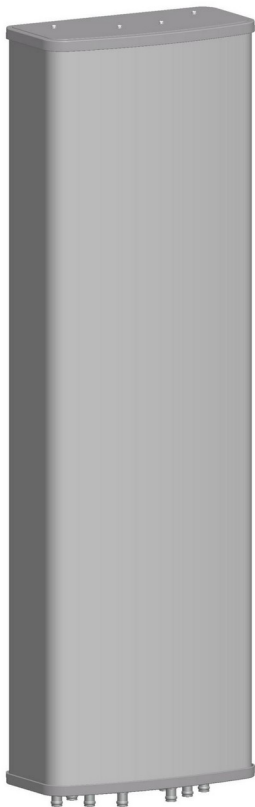


GLKB30D1727B819FIJ Dual-Beam Dual-Polarized Base Station Antenna, 1695-2690 MHz, Integrated RET

MODEL GLKB30D1727B819FIJ

Dual-beam ($\pm 45^\circ$) dual-polarised base station antenna covering 1695-2690 MHz with integrated RET, 2-12° electrical downtilt and 8 x 4.3-10 female connectors.



KEY PERFORMANCE

1695 - 2690 MHz

FREQUENCY RANGE

19.2 dBi

GAIN (MAX.)

+30° / -30° (Y1-Y4)

BEAM DIRECTION

Yes (AISG 2.0)

INTEGRATED RET

TECHNICAL SPECIFICATIONS

ELECTRICAL SPECIFICATIONS	
Frequency range	1695 - 2690 MHz
Sub-bands	1695-1880 / 1850-1990 / 1920-2200 / 2200-2490 / 2490-2690 MHz
Polarization	$\pm 45^\circ$
Gain (Y1, Y4)	17.3 $\pm$ 0.6 / 17.7 $\pm$ 0.6 / 18 $\pm$ 0.6 / 18.7 $\pm$ 1 / 19.2 $\pm$ 0.5 dBi
Gain (Y2, Y3)	16.8 $\pm$ 0.6 / 17.3 $\pm$ 0.6 / 17.6 $\pm$ 0.6 / 18.2 $\pm$ 1 / 18.8 $\pm$ 0.5 dBi
Electrical downtilt	2 - 12°
Horizontal -3 dB beam width	40 $\pm$ 3 / 38 $\pm$ 3 / 36.5 $\pm$ 3 / 33 $\pm$ 4 / 28.5 $\pm$ 2.5°
Horizontal -10 dB beam width	72.5 $\pm$ 4 / 68 $\pm$ 4 / 64.5 $\pm$ 3.5 / 57 $\pm$ 7 / 49.5 $\pm$ 5°
Horizontal sidelobe suppression	15 dB
Horizontal beam direction	+30° (Y1, Y2) / -30° (Y3, Y4)
Vertical -3 dB beam width	13 $\pm$ 1 / 12.5 $\pm$ 1 / 11.8 $\pm$ 1 / 10.2 $\pm$ 1 / 9 $\pm$ 1°
First upper sidelobe suppression	$\geq$ 16 dB
Front-to-back ratio	$\geq$ 25 dB (180° $\pm$ 30°)
Cross-polar discrimination	$\geq$ 15 dB @0° ($\pm$ 30° $\geq$ 10 dB)



PRODUCT DATASHEET

SKU GLKB30D1727B819FIJ

Rev. 1.1 | 2026-09-24

ELECTRICAL SPECIFICATIONS

Isolation port-to-port	≥ 25 dB
Impedance	50 Ω
VSWR	≤ 1.5
Intermodulation IM3	≤ -150 dBc (2 x 43 dBm carrier)
Max. power per input	250 W (@ 50 °C)
Lightning protection	DC Grounding

MECHANICAL SPECIFICATIONS

Connector	8 x 4.3-10 Female
Connector position	Bottom
Dimensions (H x W x D)	1600 (± 8) x 398 (± 4) x 190 (± 4) mm
Packing size	1830 x 490 x 320 (± 10) mm
Antenna weight	20.5 $\pm$ 1 kg
Bracket weight	4.8 kg
Radome material	Fiber / Gray
Mechanical tilt	0 - 12°
Operating temperature	-40 to +60 °C
Rated wind velocity	250 km/h
Wind load (F/R/S)	608 / 291 / 691 N @ 150 km/h
Suitable pole diameter	$\phi 50$ - $\phi 115$ mm
Mounting kit / Surface treatment	JM-900DZB-A / Hot-Dip Galvanized

INTEGRATED RET

RET model	KRCU20D
Input voltage	10 - 30 VDC
Protocol to CCU / TMA	3GPP / AISG 2.0
Power consumption	≤ 2 W (idle) / ≤ 13 W (in motion)
RET type	Integrated RET, replaceable
Connectors to CCU	4-pin Female & 4-pin Male, AISG 2.0 compliant

NOTES

All values are taken from the source specification table. Gain, beam width and sidelobe values are listed per sub-band in the order 1695-1880 / 1850-1990 / 1920-2200 / 2200-2490 / 2490-2690 MHz.

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