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# SLDB2

## DUAL BAND (GSM1800 & UMTS) DUAL POLAR ANTENNA

### ANTENNA FEATURES:

- Dual Polarised. +/- 45 degree slant
- Indoor use
- Easy to install
- Blends in with the surroundings
- Input VSWR <1.4:1 Maximum
- 30dB isolation between ports
- Input impedance 50 Ohms

### ANTENNA DESCRIPTION:

The SLDB2 is a two-port, dual band, dual polarised antenna for indoor use. The antenna is fitted with cables of *N-type* (female) connectors. This is optional and can be changed to customer requirements. The antenna is ideal for deployment in office environments where ceiling mounted units are unreliable or do not provide adequate coverage. SLDB2 has a nominal gain of 6dBi within the two bands.

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**ELECTRICAL SPECIFICATION:**

Frequency	1700 - 1880 MHz 1900 – 2200 MHz
Gain	6.0 dBi
Polarization	Dual
Input Impedance	50 Ohms
Input VSWR	< 1.5:1 Maximum
Isolation (Between Polarisations)	> 30 dB in band 1700 - 2200MHz
Intermodulation Products	< -150 dBc for 2 x 20W carrier
Input Connectors:-	N-Type (f) on 400mm cable tail.

**Horizontal Radiation Pattern:**

Azimuth beamwidth (3dB)	65° ( $\pm 5^\circ$ )
Pol. Azimuth Tracking	< $\pm 1.5$ dB over a 120° sector
Front to back ratio	< -18 dB at $\pm 180^\circ$

**Vertical Radiation Pattern:**

Elevation Beamwidth	50° ( $\pm 2.0^\circ$ )
Electrical Downtilt	0°
Elevation Sidelobe Suppression	None
Electrical Null Fill	None

