

Dual Band Microwave Antennas: New Product

Combining the capacity and capability of E-band with the resilience of a traditional microwave band, CommScope's new dual band microwave antennas allows operators to leverage the relative advantages of both bands. This results in higher link capacity whilst maintaining availability targets over longer distances.

Combining both frequencies in a single antenna reduces transportation, tower loading and rental costs, and minimizes installation, alignment and commissioning time compared with using 2 separate antennas – reducing Capex and Opex.

These innovative new antennas offer the following key features

- ETSI Class 3 performance in both microwave and E-band through the same antenna
- Capability to supports dual pol configurations in both microwave and E-Band frequencies
- Best in class cross polarisation discrimination – typically 30dB
- Excellent antenna gain – in line with equivalent single band
- 0.6m diameter released to maximise link distance while achieving required link availability
- Support for direct OEM radio integrations
- Reduced installation and commissioning – no requirement to align and install multiple antennas at each end of the link.



Ordering Information

Model Range	Microwave Band	Standard Configuration
VHLP2-80X23	23 (21.2-23.6 GHz)	Single Pole 80GHz, dual pole 23GHz
VHLP2-80X18	18 (17.7-19.7 GHz)	Single Pole 80GHz, dual pole 18GHz
VHLP2-80X15	15 (14.4- 15.35 GHz)	Single Pole 80GHz, dual pole 15GHz

Alternative configurations such as single pole output in both bands or dual pole output in both bands are also supported.

Specific ordering part numbers are determined by interface requirements

Support Information:

Please contact your CommScope representative for additional information.