

LHG 2

The Light Head Grid (LHG) is a compact and light 2.4 GHz 802.11b/g/n wireless device with an integrated dual polarization 18 dBi grid antenna at a revolutionary price. It is perfect for point to point links or for use as a CPE at longer distances and supports Nv2 TDMA protocol.

The grid design ensures protection against wind, and the fact that the antenna element is built into the wireless unit means no loss on cables.



The device comes disassembled for compact shipping, but is very easy to assemble and includes a simple to use grounding attachment point. The package also contains a small adapter for tilting the antenna five degrees from the original position.



Specifications

| | |
|-------------------------|--|
| Product code | RBLHG-2nD |
| CPU nominal frequency | 650 MHz |
| Size of RAM | 64 MB |
| Storage | 16 MB Flash |
| 10/100 Ethernet ports | 1 |
| Wireless | Built-in 2.4 GHz 802.11b/g/n, dual-chain |
| Wireless regulations | Specific frequency range can be limited by country regulations |
| Wireless chip model | QCA9533 |
| Operating frequency | 2412 - 2484 MHz |
| Antenna gain | 18 +/- 0.5 dBi |
| Antenna beam width | 18° |
| Cross polar | 15 dBi |
| Port to port isolation | 23 dB |
| Front to back ratio | 25 dB |
| PoE in | Yes |
| Supported input voltage | 10 V - 30 V (passive PoE) |
| Wind loading | 186N @ 205 km/h |
| Operating temperature | -40 to 70° C |
| Operating humidity | 5 to 95% noncondensing |
| Shock and vibration | ETSI300-019-1.4 |
| ETSI specification | EN 302 326 DN2 |
| Dimensions | Ø 391 x 222 mm; package 450 x 450 x 145 mm |
| Weight | Unit: 560 g; package: 1.98 kg |
| Max Power consumption | 5 W |

Included



24V 0.38A Power adapter



PoE injector



2x metal rings



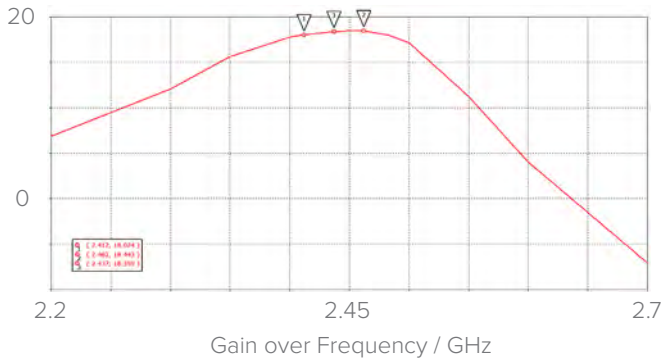
K-LHG kit

Wireless specifications

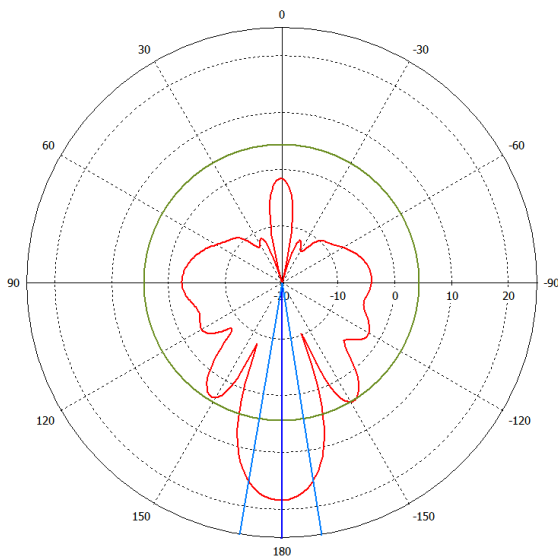
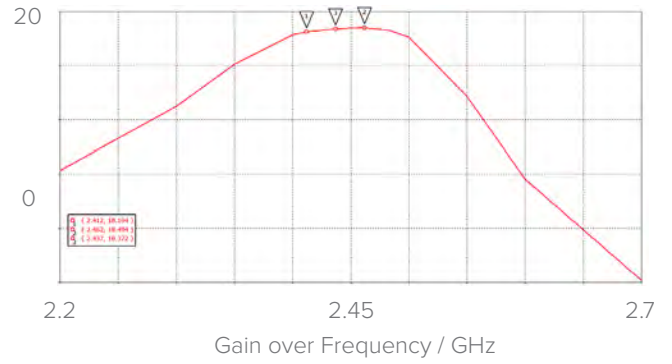
| RATE | Tx (dBm) | Rx (dBm) |
|----------|----------|----------|
| 1MBit/s | 25 | -100 |
| 11MBit/s | 25 | -93 |
| 6MBit/s | 25 | -94 |
| 54MBit/s | 22 | -80 |
| MCS0 | 25 | -94 |
| MCS7 | 21 | -75 |

Antenna specifications

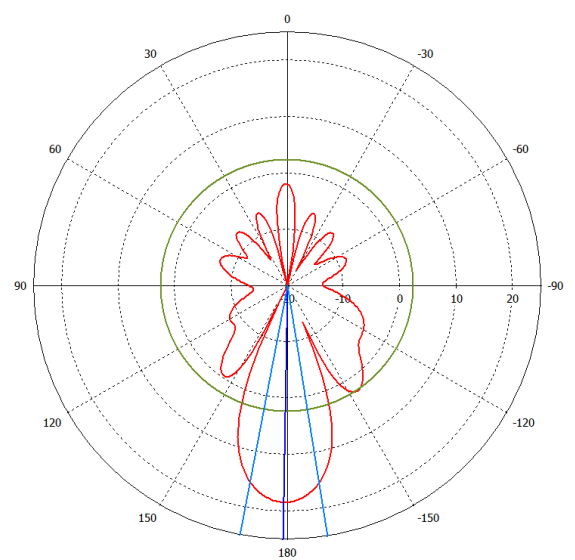
Horizontal polarization



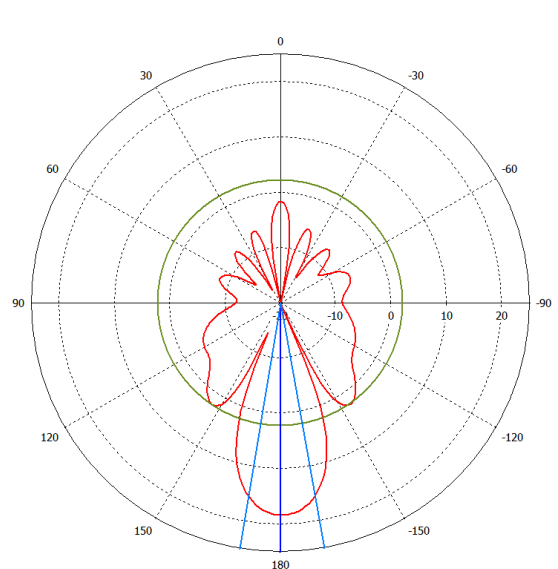
Vertical polarization



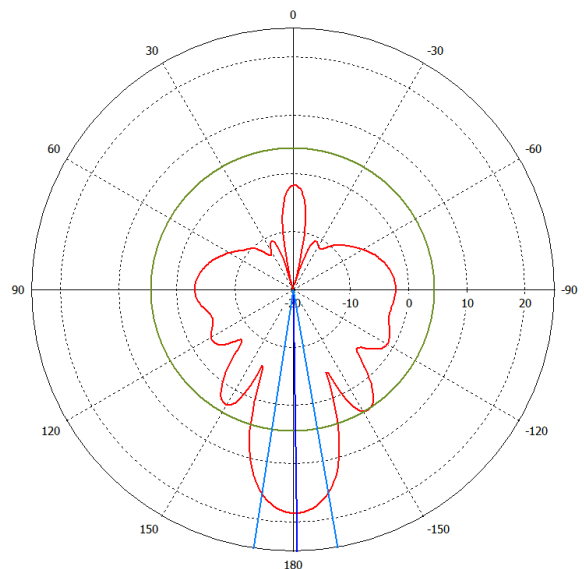
Horizontal 0 deg



Vertical 0 deg



Horizontal 90 deg



Vertical 90 deg