

LHG 5 ac

The LHG 5 ac is a compact and light 5GHz 802.11ac wireless device with an integrated dual polarization 24.5 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 device includes one 10/100/1000 Mbit Ethernet port to fully utilize speeds that 802.11ac protocol provides.



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.

Specifications

Product code	RBLHGG-5acD (International) RBLHGG-5acD-US (USA)	
CPU nominal frequency	716 MHz	
CPU core count	4	
Size of RAM	256 MB	
Storage	16 MB Flash	
10/100/1000 Ethernet ports	1	
Wireless	Built-in 5 GHz 802.11a/n/ac, dual-chain	
Wireless regulations	Specific frequency range can be limited by country regulations	
Wireless chip model	IPQ-4018	
Operating frequency	International	5150 - 5875 MHz
	USA	5170 - 5250 MHz 5725 - 5835 MHz
Antenna gain	24 +/- 0.5 dBi	
Antenna beam width	7°	
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	ETSI300-019-14	
ETSI specification	EN 302 326 DN2	
Ingress protection	IP55	
Dimensions	Ø 391 x 222 mm; package 450 x 450 x 145 mm	
Weight	Unit: 560 g; package: 1.98 kg	
Max Power consumption	7 W	
License level	3	

Included



24V 0.38A Power adapter



Gigabit PoE injector



2x metal rings



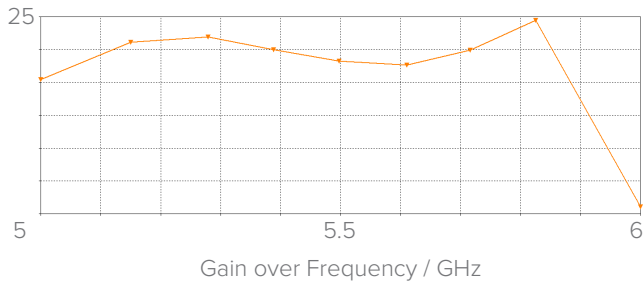
K-LHG kit

Wireless specifications

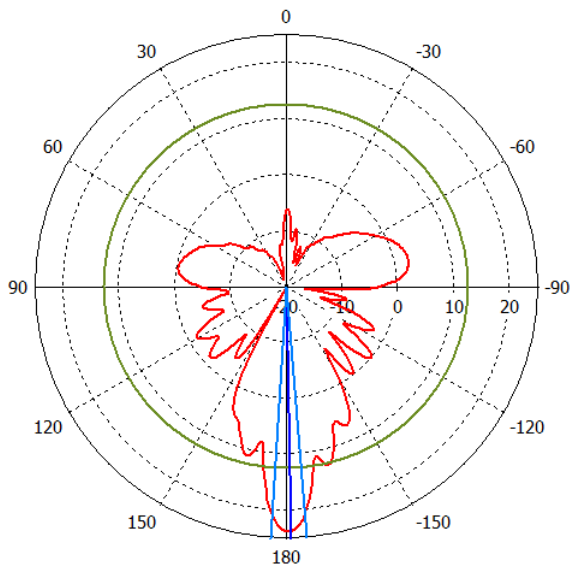
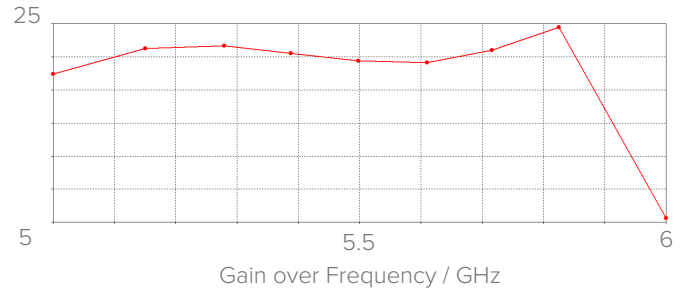
RATE	Tx (dBm)	Rx (dBm)
6MBit/s	25	-96
54MBit/s	21	-80
MCS0	25	-96
MCS7	20	-75
MCS9	18	-70

Antenna specifications

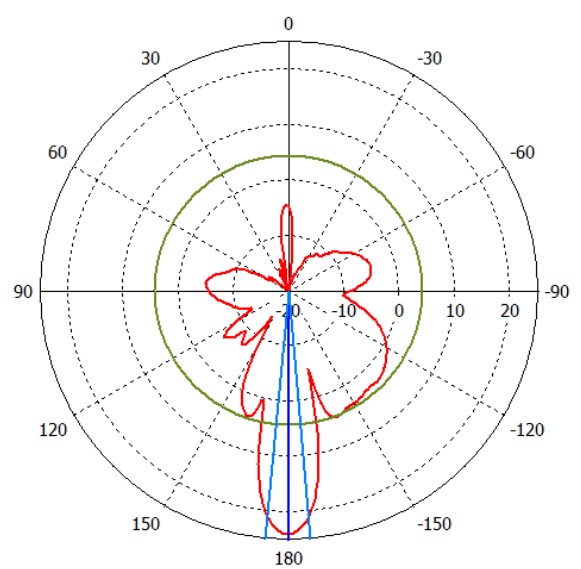
Horizontal polarization



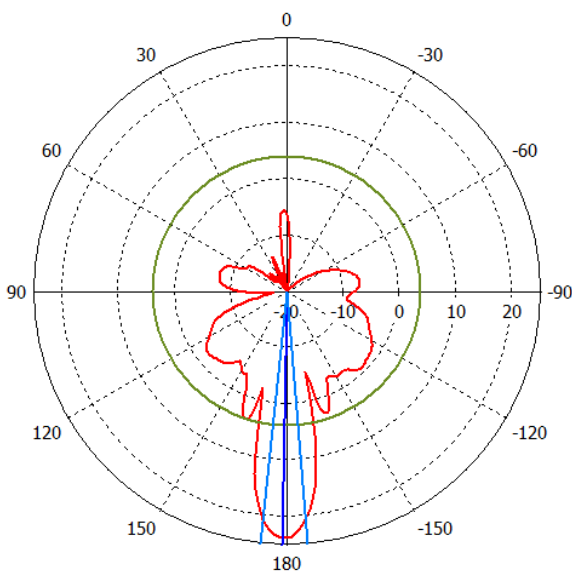
Vertical polarization



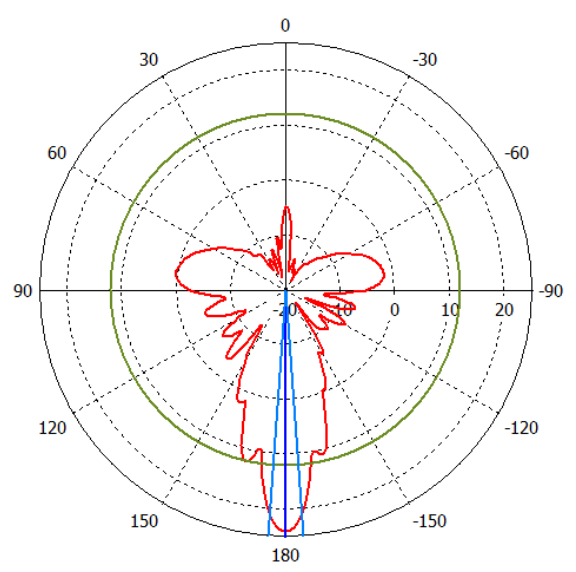
Horizontal 0 deg



Vertical 0 deg



Horizontal 90 deg



Vertical 90 deg