

HWA Filament

RF and antenna specification sheet

HWA Filament uses 2 different wireless technologies, Zigbee and BLE, which share a same antenna.

Zigbee

Frequency Range 频率范围: 2400MHz – 2483.5MHz	DATA Rate 传输速率: 250kbps MAX
Channel No. 频道数: 5 channels (2405MHz; 2425MHz; 2450MHz; 2475MHz; 2480MHz)	Modulation type 调制方式: 16-ary orthogonal modulation, O-QPSK
Max. Output Power 最大输出功率: +11dBm (Chip max RF output power)	Operating Temperature 工作温度: -40 - +125 °C ambient
Antenna Gain 天线增益: -0.36 dBi (Peak)	Antenna Brand & Model 天线商标&型号: wire antenna

BLE

Frequency Range 频率范围: 2400MHz – 2483.5MHz	DATA Rate 传输速率: 2Mbps MAX
Channel No. 频道数: 40	Modulation type 调制方式: GFSK
Max. Output Power 最大输出功率: +10 dBm (Chip max RF output power)	Operating Temperature 工作温度: -40 - +125 °C ambient
Antenna Gain 天线增益: -0.36 dBi (Peak)	Antenna Brand & Model 天线商标&型号: wire antenna

