

MX-88A Primary Wireless Module Specifications

2.4 GHz Wi-Fi 6 Module

2.4 GHz 2x2 MU-MIMO

- S Band 2412-2484 MHz
- Multi User – Multi Input Multi Output
- 802.11ax / Wi-Fi 6 / HE OFDM

Channel Widths:

- 20 MHz / 40 MHz
- 5 MHz / 10 MHz (planned)

Transmission Power:

- Conducted:
~30-31.5 dBm (EIRP Compliant)
- EIRP:
Standard Gain: ≤ 4 Watts ~ 33-35.5 dBm EIRP
High Gain: ≤ 14 Watts ~ 42.5 dBm EIRP

Modulation:

- OFDMA
- 1024-QAM

Data Performance:

- Hard Wired Throughput: Up to ~1 Gbps
- Wireless Throughput: Up to ~250 Mbps (environment dependent)

900 MHz Wi-Fi Halow SP Module

900 MHz Wi-Fi HaLow 1x1 SISO

- Sub GHz Operation (863-928 MHz region configurable)
- Single User – Single Input Single Output
- 802.11ah / OFDM

Channel Widths:

- 1/2/4/8 MHz

Transmission Power:

- Conducted:
~26 dBm (EIRP Compliant)
- EIRP:
Standard Gain: ≤ 0.62 Watts ~ 27.9 dBm EIRP

Modulation:

- BPSK / QPSK
- 16 / 64-QAM

Data Performance:

- Hard Wired Throughput: Up to ~1 Gbps
 - Wireless Throughput: Up to ~43 Mbps (environment dependent)
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