Powerline Communications Products FAQs
As of 12/6/05

What transmission frequency & frequency bandwidth is used?

- AN1000: <450 Khz
- AN192: <450 Khz
- AN48: <95 Khz

What Transmission rate (Physical speed or Actual speed) can you achieve?

- AN1000: 268.8 kbps raw, 100 kbps payload throughput
- AN192: 134.4 kbps raw, 19.2 kbps payload throughput
- AN48: 33.6 kbps raw, 4.8 kbps payload throughput

What is the transmission output power for your products?

- AN1000: 100 – 250 mW
- AN192: 100 – 250 mW
- AN48: 100 – 250 mW

What modulation method is used?

- AN1000: Wideband spread-spectrum-like
- AN192: Wideband spread-spectrum-like
- AN48: Wideband spread-spectrum-like

What is the strength of electric field radiation and the spectral distribution of a transmission output voltage?

- AN1000: less than FCC Part 15 limits
- AN192: less than FCC Part 15 limits
- AN48: less than FCC Part 15 and EN 50065-1 limits

What provisions do you provide to minimize radiated emission to Ham radio and frequency band for broadcasting system?

- AN1000: below applicable frequency range
- AN192: below applicable frequency range
- AN48: below applicable frequency range
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What is the minimum receivable signal level?

- AN1000: 200 µV p-p
- AN192: 200 µV p-p
- AN48: 200 µV p-p

To what authorized standard do your products comply? (FCC, EN)

- AN1000: FCC
- AN192: FCC
- AN48: FCC, EN 50065-1

Are your products field proven?

- AN1000: in production and in field use since 1995
- AN192: in production and in field use since 1990
- AN48: IEC Meter Reading, in production and in field use since 1995