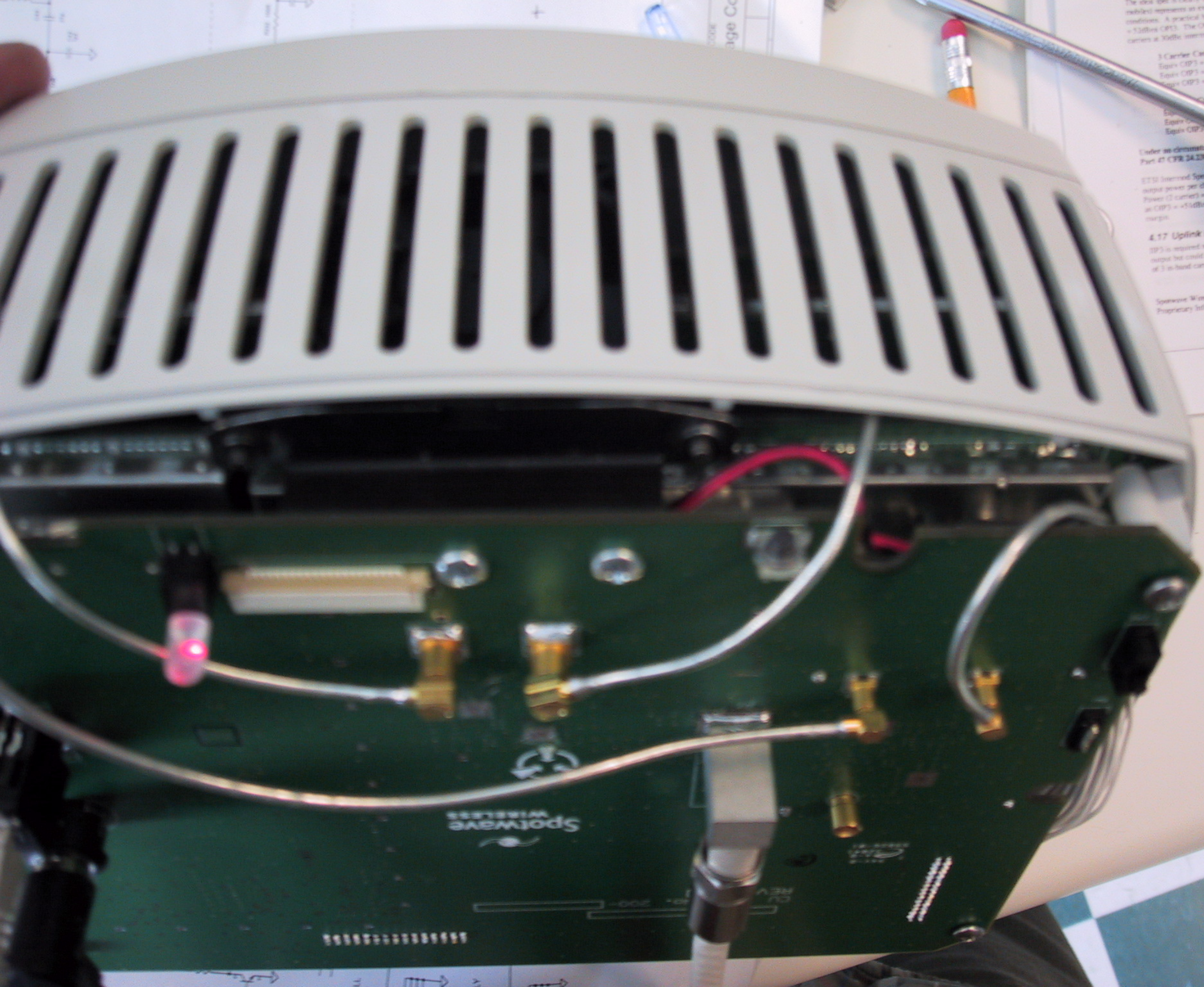




The data rate is determined by the modulation scheme and the channel bandwidth. A practical hardware OIP3 spec over temperature is 52dBm CIP3. The OIP3 will therefore be specified for 3 carriers at 30dBm intermod.

3 Carrier Case
Eqn: CIP3 = EIRP (per carrier) + 24 log₁₀ N
Eqn: CIP3 = 25.2 + 24 log₁₀ 3 = 26 log₁₀ 3 + 49.2
Eqn: CIP3 = +50.5dBm

Under no circumstances shall Part 47 CFR 24.236:

ETSI Intermod Spec is < -30dBm
output power per channel. The
Power (3 carrier) = +27dBm
at CIP3 = +50dBm (+29dBm for 30dBm
margin).

4.17 Uplink IIP3
IIP3 is required to specify the alternate band overdrive
output but could overdrive the input. Uplink limit
of 3 in-band carriers and 6 out-band carriers, all at 1

SpotWave Wireless Inc.
Proprietary Information