
IEEE 802.11
Wireless Access Method and Physical Specification

Title: **Errata for 94/68r5**
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FH PHY Service Primitives

Put text for antenna select and RSSI in.

PLCP

9.3.2 Added two bits in PLCP header PHY signaling field for rate switching to represent 1 and 2 Mbps and two rates that are TBD

9.3.2 The preamble and PLCP header shall be transmitted at the PLCP_rate (FH=1 Mbps). PLCP_PDU transmitted at the selected rate.

9.3.2.3 Adopted 94/287 modified BSE algorithm for the 2 Mbps PHY.

9.3.2.1 CS/CCA. Clarified that a signal that starts 16 μ s prior to the end of the slot time shall be detected with the specified performance.

1 Mbps PMD

9.6.2 Operating frequency range. Add the international specifications back into 94/68. Add footnotes that regulatory authorities in the separate geographical area overrides the specifications contained in the FH PHY section.

9.6.5 Occupied channel bandwidth. Change +/-25 ppm in all carrier center frequency specifications to +/- 60 Khz.

9.6.7 Minimum hop rate. The default dwell time shall be 20 msec. This can be updated by the MAC. Delete last line in first paragraph.

9.6.8 Hop sequences. Corrected index and pattern number variables. Also clarified the variable F which is the minimum distance between consecutive hops within a pattern.

- 9.6.9 Out-of-band emissions. Add reference to regulatory authorities.
- 9.6.13 TX-RX switch time. Switch in time to receive packets.
- 9.6.17 Transmit power levels. Add regulatory authorities reference into text and delete table.
- 9.6.18 Transmit power level control. Power level adjustment, if performed, will be done by a management entity. Delete transmit power level parameter in 9.2.2 of 68r5.
- 9.6.19 Transmit power classes. Delete section.
- 9.6.20 Transmit spectrum shape. Textual changes only.
- 9.6.21 Transmitter center frequency tolerance. Change +/-25 ppm to +/-60 Khz.
- 9.6.23 Spurious free dynamic range. Changed title to Input Dynamic Range. Deleted Eb/No requirement. Changed -20 dBm to -10 dBm.
- 9.6.24 Selectivity. Delete section.
- 9.6.25 Channel BER. Delete section.
- 9.6.26 Receiver center frequency tolerance. Changed title to Receiver Center Frequency Acceptance Range. Changed +/-25 ppm to +/- 60Khz.
- 9.6.27 Carrier detect response time. Deleted.
- 9.6.28 CCA threshold. ≤ 100 mW, threshold=-85 dBm. >100 mW, threshold=-85-5*log₁₀(Pt/100 mW) dBm.
- 9.6.29 Receiver data jitter tolerance. Delete section.
- 9.6.30 and 9.6.31 Ramp up and ramp down. Remove slope limit. Change bit period to μ s.
- 9.6.x Receive data DC offset. Delete section.
- 9.6.x Received data max run length. Delete section.

2 Mbps PMD

- 9.7.10 4GFSK Modulation. Slight changes to deviation definition.
- 9.7.23 Input dynamic range. Changed input dynamic range from -75 to -10.
- 9.7.25 Channel bit error. Delete section.
- 9.7.29 Data Jitter. Delete section.
- 9.7.34 Desensitization. Delete specifications of $M=N$ and $M=N\pm 1$.