IEEE 802.11 Committee

Tentative Minutes of the FH Group Meeting held in San Jose, January 11th 1995.

Meeting opened by the Chair, Jim McDonald, at 1540.

Peter Chadwick graciously offered to take the minutes.

It was agreed that the MIB table would be reviewed at the meeting of the group held in the morning of Jan 12th. It was agreed that the adjournment of this meeting would be no later than 1745.

Jim McDonald volunteered to produce comments on the reflector re radiated v. hardwired tests.

Dean Kawaguchi asked about the software requirements for test modes. Jerry Loraine suggested that the group produce a list of requirements. It was agreed by acclamation that a set of test modes should be defined.

Peter Chadwick suggested that a number of parameters may well be subject to manufacturers declaration, but the analogue functions of sensitivity, intermodulation, etc were more difficult. In any case, however, compliance was to be self certification procedure.

In response to Larry Zuckerman, Jim suggested that the general expectation was that there would be a pass/fail criteria derived from the Error Rate achieved at a given input.

Dean Kawaguchi commented that there were effectively two sets of tests, viz, those that affected other users, such as the CCA Threshold, which affects the working of the protocol, and those which affected the performance of the equipment under test.

Greg Smith pointed out that testing for a 1 in 10e5 BER could take a long time.

It was generally agreed that sensitivity testing should take place under hopping conditions. Peter Chadwick felt that IM and phase noise/selectivity should be a dynamic test under frequency hopping. Larry Zuckerman said that the discussion demonstrated the importance of carefully selecting the test suite on a case by case basis. The Chair requested submissions at the next meeting: it was generally agreed that if possible, there should be some time set aside at the next meeting for consideration of these matters.

Action: Jim McDonald

Larry further suggested that the production of the test standard will help ensure that the standard has the fewest errors.

The question of the temperature range was raised. Jim McDonald reiterated that it had been agreed that the temperature range was that specified by the manufacturer. The DS spec was for two ranges viz 0 to 40, and -30 to +70, with tests at +20, and at the extremes. A straw poll showed a large majority, 8 to 2, in favour of a manufacturers declaration. However, it was noted that there was a distinct difference in approach between the DS and FH groups, which may need consideration.

Jim McDonald said that he felt that the requirement for CCA to determine if a signal was data modulated presented implementation difficulties. He suggested that a CCA approach which worked solely on the basis of determining timing from the length field, or transmitting if a valid preamble was not received would obviate these difficulties. Jerry Loraine felt that this matter required further consideration and submissions were required.

Move to adjourn by Peter Chadwick second Geoff Rakinowitz until 0900 12 Jan 95

passed by acclamation.

Minutes of a meeting held in San Jose Ca, 12 Jan 95

Meeting called to order by the Chair, Jim McDonald. The agenda item is discussion of the MIB.

Ed Geiger introduced the matter. There was discussion on the MIB parameters of frequency allocation, in view of the national differences. Peter Chadwick pointed out that the number of selectable possibilities for countries needed to be at least a 7 bit number. Much discussion followed about the problem of inter-country roaming. Decided to postpone discussion.

CCA_Method. - agreed to delete.
CCA_MaxP_Det_Time. - agreed to delete.
CCA_Asmnt_Time. - no change.

Discussion followed on the timings resulting from the CCA factors. Certain members felt that the break down of individual timings was immaterial, and only the totals were necessary for interoperability: this led to removal of certain items - see updated MIB document.

Some discussion on SIFS parameters followed. It was agreed that the separate PHYs each need their own MIB table.

The MPDU_Maximum_Length is currently in terms of octets: however, a comment was made that this parameter should be defined in time terms. In this case the MAC would need to calculate the number of octets that this would support. Wayne Moyers will look up the paper in which the decision on the octets was made, so that the group can refer back.

Action: Wayne Moyers
Motion to adjourn proposed: Leo Scaldeferri seconded: Ed Geiger

Passed by acclamation. Meeting closed 1140