

2004/02/10

IEEE 802.16-03/59r3

Document under Review: **P802.16/Conf03/D2**

Ballot Number: **0000639**

Comment Date

Comment # **01**

Comment submitted by: Christina

Lim

Member

2003-12-14

Comment Type **Editorial**

Starting Page #

Starting Line #

Fig/Table#

Section

In the Test Procedure for almost all (Sections 8.2.1.2 to 8.2.16.2 and 8.2.22.2 to end) of the document, the sentence "When measuring the power the losses, ..." is very confusing. Is it supposed to be "When measuring the power losses, ..."?

Suggested Remedy

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

the correct form of the sentence is:

"When measuring the power, the losses, the effect of the coupler and the duty cycle shall be taken into account."

Reason for Group's Decision/Resolution

The intention is to measure the power not the power losses.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Comments 1,9,14,15,18,20 and 21 all call for a clarification of this same sentence.

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: **P802.16/Conf03/D2**

Ballot Number: **0000639**

Comment Date

Comment # **02**

Comment submitted by: **Christina**

Lim

Member

2003-12-14

| Comment | Type | Starting Page # | Starting Line # | Fig/Table# | Section |
|--|------------------|-----------------|-----------------|------------|---------|
| In pages 36 and 38, on line 42, there is a typo, "... adjusting the absolut signal level..." | Editorial | | | | |

absolut is supposed to be absolute.

Suggested Remedy

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: **P802.16/Conf03/D2**

Ballot Number: **0000639**

Comment Date

Comment # **03**

Comment submitted by: **Ken**

Stanwood

Member

2003-12-15

Comment Type **Technical, Non-binding** Starting Page # Starting Line # Fig/Table# Section **All**
{Comment of Lars Lindh}

There should be a one-to-one correspondance between the PHY tests in the TSS&TP document IEEE P802.16/Conformance02 and the RCT document IEEE P802.16/Conformance03. This correspondance should be indicated better.

Suggested Remedy

Use the acronyms from the TSS&TP like for example "TP/SS/PHYDL/RS/" in the header in the corresponding tests in RCT. These acronyms not only give you a clear reference to the TSS&TP document they also tell you whether it is a SS/BS or DL/UL test.

Proposed Resolution Recommendation: Recommendation by

Reason for Recommendation

Resolution of Group Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes Editor's Actions **k) done**

The acronyms from the Conf02 document is appended to all test procedure headers

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: **P802.16/Conf03/D2**

Ballot Number: **0000639**

Comment Date

Comment # **04**

Comment submitted by: **Kevin**

Marquess

Member

2003-12-16

Comment Type **Editorial**

Starting Page # **1**

Starting Line # **61**

Fig/Table#

Section **4**

{page = 1 an 2 (printed)
line = (p1) 61, 64 and (p2) 2}

typo -- "methodologyand"

Suggested Remedy

Need space between the words.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: **P802.16/Conf03/D2**

Ballot Number: **0000639**

Comment Date

Comment # **05**

Comment submitted by: **Harry**

Bims

Member

2003-12-16

Comment Type **Editorial**

Starting Page # **3**

Starting Line # **50**

Fig/Table#

Section **6.2.1**

"normal environmental conditions" is plural, yet "one of the possible existing combinations" is singular

Suggested Remedy

Change "one of the possible" to "the complete set of"

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

change tetx at page 3, line 50 from:

"The normal environmental conditions are one of the possible existing combinations of temperature, and humidity falling within the limits as follows:"

to:

"The normal environmental conditions are the combinations of temperature, and humidity falling within the limits specified below. Tests shall be performed in enviromental conditions falling within these bounds."

Reason for Group's Decision/Resolution

The commentor is correct that there is a grammar problem here, but the suggested resolution would require that all tests be run at every possible compination of normal environmental conditions rather than just some selected representative parameters.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: **P802.16/Conf03/D2**

Ballot Number: **0000639**

Comment Date

Comment # **06**

Comment submitted by: **Harry**

Bims

Member

2003-12-16

Comment Type **Technical, Non-binding** Starting Page # **3** Starting Line # **59** Fig/Table# Section **6.2.1**
what are the bottom, middle, and top frequencies?

Suggested Remedy

Add a table with these values for each frequency band

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The frequency bands of operation vary world wide. Those defined at the current instant in time represent only a subset of what will someday be defined. The standard cannot guess the total set of bands that will be defined. The vendor must specify the band their equipment operates in, for example the LMDS B Band. Once specified, the bottom, middle, and top frequencies will be obvious.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions 1) none needed

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: **P802.16/Conf03/D2**

Ballot Number: **0000639**

Comment Date

Comment # **07**

Comment submitted by: Kevin

Marquess

Member

2003-12-16

Comment Type **Editorial**
{page = 4 (printed) / general}

Starting Page # **4**

Starting Line # **7**

Fig/Table#

Section **6.2.2**

The choice of +40(deg)C sets a technical design criteria and there may be radio certification requirements which superceed the (draft) standard's requirement.

Suggested Remedy

I suggest that a footnote be added that the 40(deg)C is a recommendation and not an upper-limit which may be higher depending upon customer or legal requirements.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

I could not find required temperature ranges in the standard.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: **P802.16/Conf03/D2**

Ballot Number: **0000639**

Comment Date

Comment # **08**

Comment submitted by: **Harry**

Bims

Member

2003-12-16

Comment Type **Editorial**

Starting Page # **4**

Starting Line # **17**

Fig/Table#

Section **7**

The required tests are described later in the current document. The document title listed is not correct.

Suggested Remedy

Change document title to "IEEE Draft Std P802.16/Conformance03/D2".

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

eliminate the document name and just say the test are listed in the table.

Reason for Group's Decision/Resolution

The sentence was actually referring to the TSS&TP document (conformance02), but this reference here is unnecessary.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: [P802.16/Conf03/D2](#)

Ballot Number: [0000639](#)

Comment Date

Comment # [09](#)

Comment submitted by: [Harry](#)

[Bims](#)

[Member](#)

[2003-12-16](#)

Comment Type [Editorial](#)

Starting Page # [7](#)

Starting Line # [38](#)

Fig/Table#

Section [8.1.1.2](#)

[Need comma after "measuring the power"](#)

Suggested Remedy

[Should read "measuring the power, the losses"](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: [Accepted-Duplicate](#)

[comment 01](#)

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

[According to comment 1](#)

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: [P802.16/Conf03/D2](#)

Ballot Number: [0000639](#)

Comment Date

Comment # [10](#)

Comment submitted by: [Harry](#)

[Bims](#)

[Member](#)

[2003-12-16](#)

Comment Type [Editorial](#)

Starting Page # [7](#)

Starting Line # [44](#)

Fig/Table#

Section [8.1.1.2](#)

"monitord" is a typo

Suggested Remedy

[replace with "monitored"](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: [Accepted](#)

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: **P802.16/Conf03/D2**

Ballot Number: **0000639**

Comment Date

Comment # **11**

Comment submitted by: **Harry**

Bims

Member

2003-12-16

Comment Type **Technical, Non-binding** Starting Page # **7** Starting Line # **56** Fig/Table# Section **8.1.1.2**
"Reed Solomon t=10" is not the code used in the test

Suggested Remedy

Replace "t=10" with "t=4"

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

replace "t = 10, works correctly" with "t = 4, works correctly. This is used to infer that the same coding with t = 10 works correctly as well."

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16/Conf03/D2**Ballot Number: **0000639**

Comment Date

Comment # **12**Comment submitted by: **Roger**

Marks

Member

2003-12-19

Comment Type **Technical, Non-binding** Starting Page # **7** Starting Line # **56** Fig/Table# Section **8.1.1.2**
 {Comment of Lars Lindh.}

In this test case, and in all others involving multiple parameters, the parameters should be more clearly indicated for ease of use.

Suggested Remedy

Insert a table summarizing the parameters the following test cases:

8.1.1.2

| | | | | | |
|-----------|------------|-----|-----|---|--------------|
| Parameter | Modulation | BCC | RS | t | Block Length |
| | QPSK | YES | YES | 4 | 128 |

8.1.2.2

| | | | | | |
|-----------|------------|-----|-----|----------|--------------|
| Parameter | Modulation | BCC | RS | t | Block Length |
| | QPSK | NO | YES | 0,4,8,12 | 128 |

8.1.3.2

| | | | | | |
|-----------|------------|-----|-----|---|--------------|
| Parameter | Modulation | BCC | RS | t | Block Length |
| | QPSK | NO | YES | 8 | 128 |

8.1.4.2

| | | | | | |
|-----------|------------|-----|-----|---|--------------|
| Parameter | Modulation | BCC | RS | t | Block Length |
| | QPSK | NO | YES | 8 | 128 |

8.1.7.2

| | | | | | |
|-----------|------------|-----|-----|---|--------------|
| Parameter | Modulation | BCC | RS | t | Block Length |
| | QPSK | NO | YES | 8 | 6,128,239 |

8.1.9.2

| | | | | | |
|-----------|------------|-----|-----|----|--------------|
| Parameter | Modulation | BCC | RS | t | Block Length |
| | QPSK | YES | YES | 10 | 128 |

8.1.9.2

2004/02/10

IEEE 802.16-03/59r3

| | | | | | |
|-----------------------|--------------------|------------|-----------|---------------|---------------------------|
| Parameter | Modulation QPSK | BCC YES | RS YES | t 10 | Block Length 128 |
| 8.1.10.2 Parameter | Modulation QPSK | BCC NO | RS YES | t 0,4,8,12 | Block Length 128 |
| 8.1.10.2 Parameter | Modulation QPSK | BCC NO | RS YES | t 0,4,8,12 | Block Length 128 |
| 8.1.11.2 Parameter | Modulation QPSK | BCC NO | RS YES | t 8 | Block Length 128 |
| 8.1.12.2 Parameter | Modulation QPSK | BCC NO | RS YES | t 8 | Block Length 128 |
| 8.1.13.2 Parameter | Modulation QPSK | BCC YES | RS YES | t 8 | Block Length 128 |
| 8.1.16.2 Parameter | Modulation QPSK | BCC NO | RS YES | t 8 | Block Length 6,128,239 |
| 8.2.2.2 Parameter | Modulation QPSK | BCC NO | RS YES | t 0,4,8,12 | Block Length 128 |
| 8.2.3.2 Parameter | Modulation QPSK | BCC NO | RS YES | t 8 | Block Length 128 |

| | | | | | |
|-----------------------|--------------------|------------|-----------|---------------|---------------------------|
| 8.2.4.2 Parameter | Modulation QPSK | BCC NO | RS YES | t 8 | Block Length 128 |
| 8.2.7.2 Parameter | Modulation QPSK | BCC NO | RS YES | t 8 | Block Length 6,128,239 |
| 8.2.9.2 Parameter | Modulation QPSK | BCC NO | RS YES | t 10 | Block Length 128 |
| 8.2.10.2 Parameter | Modulation QPSK | BCC NO | RS YES | t 0,4,8,12 | Block Length 128 |
| 8.2.11.2 Parameter | Modulation QPSK | BCC NO | RS YES | t 8 | Block Length 128 |
| 8.2.12.2 Parameter | Modulation QPSK | BCC NO | RS YES | t 8 | Block Length 128 |
| 8.2.13.2 Parameter | Modulation QPSK | BCC YES | RS YES | t 8 | Block Length 128 |
| 8.2.16.2 Parameter | Modulation QPSK | BCC NO | RS YES | t 8 | Block Length 6,128,239 |

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

2004/02/10

IEEE 802.16-03/59r3

Reason for Recommendation:

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: **P802.16/Conf03/D2**

Ballot Number: **0000639**

Comment Date

Comment # **13**

Comment submitted by: Roger

Marks

Member

2003-12-19

Comment Type **Technical, Non-binding**

Starting Page # **7**

Starting Line # **56**

Fig/Table#

Section

8.1.1.2

{Comment of Avraham Freedman}

It might be beneficial to add a reference to the standard in the coding definion.

Suggested Remedy

Add to the coding description

- "(code type 2, according to Table 130 of IEEE 802.16-2001)" in section 8.1.1.2
- "(code type 1, according to Table 130 of IEEE 802.16-2001)" in section 8.1.2.2
- "(code type 1, according to Table 130 of IEEE 802.16-2001)" in section 8.1.3.2
- "(code type 1, according to Table 130 of IEEE 802.16-2001)" in section 8.1.4.2
- "(code type 1, according to Table 130 of IEEE 802.16-2001)" in section 8.1.7.2
- "(code type 2, according to Table 130 of IEEE 802.16-2001)" in section 8.1.9.2
- "(code type 1, according to Table 130 of IEEE 802.16-2001)" in section 8.1.10.2
- "(code type 1, according to Table 130 of IEEE 802.16-2001)" in section 8.1.11.2
- "(code type 1, according to Table 130 of IEEE 802.16-2001)" in section 8.1.12.2
- "(code type 2, according to Table 130 of IEEE 802.16-2001)" in section 8.1.13.2
- "(code type 1, according to Table 130 of IEEE 802.16-2001)" in section 8.1.16.2
- "(code type 1, according to Table 130 of IEEE 802.16-2001)" in section 8.2.2.2
- "(code type 1, according to Table 130 of IEEE 802.16-2001)" in section 8.2.3.2
- "(code type 1, according to Table 130 of IEEE 802.16-2001)" in section 8.2.4.2
- "(code type 1, according to Table 130 of IEEE 802.16-2001)" in section 8.2.7.2
- "(code type 1, according to Table 130 of IEEE 802.16-2001)" in section 8.2.9.2
- "(code type 1, according to Table 130 of IEEE 802.16-2001)" in section 8.2.10.2
- "(code type 1, according to Table 130 of IEEE 802.16-2001)" in section 8.2.11.2

2004/02/10

IEEE 802.16-03/59r3

"(code type 1, according to Table 130 of IEEE 802.16-2001)" in section 8.2.12.2

"(code type 2, according to Table 130 of IEEE 802.16-2001)" in section 8.2.13.2

"(code type 1, according to Table 130 of IEEE 802.16-2001)" in section 8.2.16.2

Proposed Resolution **Recommendation:** **Recommendation by**

Reason for Recommendation

Resolution of Group **Decision of Group: [Superseded](#)**

[comment 12](#)

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes **Editor's Actions** [l\) none needed](#)

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: **P802.16/Conf03/D2**

Ballot Number: **0000639**

Comment Date

Comment # **14**

Comment submitted by: **Harry**

Bims

Member

2003-12-16

Comment Type **Editorial**

Starting Page # **8**

Starting Line # **36**

Fig/Table#

Section **8.1.2.2**

[Need comma after "measuring the power"](#)

Suggested Remedy

[Should read "measuring the power, the losses"](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: [Accepted-Duplicate](#)

[comment 01](#)

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

[See comment 1](#)

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: [P802.16/Conf03/D2](#)

Ballot Number: [0000639](#)

Comment Date

Comment # [15](#)

Comment submitted by: [Harry](#)

[Bims](#)

[Member](#)

[2003-12-16](#)

Comment Type [Editorial](#)

Starting Page # [9](#)

Starting Line # [36](#)

Fig/Table#

Section [8.1.3.2](#)

[Need comma after "measuring the power"](#)

Suggested Remedy

[Should read "measuring the power, the losses"](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: [Accepted-Duplicate](#)

[Comment 01](#)

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

[See comment 1](#)

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: **P802.16/Conf03/D2**

Ballot Number: **0000639**

Comment Date

Comment # **16**

Comment submitted by: **Harry**

Bims

Member

2003-12-16

Comment Type **Editorial**

Starting Page # **9**

Starting Line # **45**

Fig/Table#

Section **8.1.3.2**

"must be not be" is bad grammar

Suggested Remedy

Change to "must not be"

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: **P802.16/Conf03/D2**

Ballot Number: **0000639**

Comment Date

Comment # **17**

Comment submitted by: **Roger**

Marks

Member

2003-12-19

Comment Type **Technical, Non-binding**

Starting Page # **10**

Starting Line # **10**

Fig/Table# **6**

Section **8.1.4.1**

{Comment of Lars Lindh.}

The directional coupler shown in the figure does not indicate the direction of the coupled signal.

Suggested Remedy

Use the more descriptive symbol of Figure 5. Use this symbol to indicate a directional coupler throughout the document; namely, Figures 3 through 50 and 53 through 61.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

The coupler symbol changed in all places

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: [P802.16/Conf03/D2](#)

Ballot Number: [0000639](#)

Comment Date

Comment # [18](#)

Comment submitted by: [Harry](#)

[Bims](#)

[Member](#)

[2003-12-16](#)

Comment Type [Editorial](#)

Starting Page # [10](#)

Starting Line # [36](#)

Fig/Table#

Section [8.1.4.2](#)

[Need comma after "measuring the power"](#)

Suggested Remedy

[Should read "measuring the power, the losses"](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: [Accepted-Duplicate](#)

[comment 01](#)

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

[Comment 1](#)

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: **P802.16/Conf03/D2**

Ballot Number: **0000639**

Comment Date

Comment # **19**

Comment submitted by: **Harry**

Bims

Member

2003-12-16

Comment Type **Editorial**

Starting Page # **10**

Starting Line # **45**

Fig/Table#

Section **8.1.4.2**

"must be not be" is bad grammar

Suggested Remedy

Change to "must not be"

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: [P802.16/Conf03/D2](#)

Ballot Number: [0000639](#)

Comment Date

Comment # [20](#)

Comment submitted by: [Harry](#)

[Bims](#)

[Member](#)

[2003-12-16](#)

Comment Type [Editorial](#)

Starting Page # [11](#)

Starting Line # [37](#)

Fig/Table#

Section [8.1.5.2](#)

[Need comma after "measuring the power"](#)

Suggested Remedy

[Should read "measuring the power, the losses"](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: [Accepted-Duplicate](#)

[comment 01](#)

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

[Comment 1](#)

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: **P802.16/Conf03/D2**

Ballot Number: **0000639**

Comment Date

Comment # **21**

Comment submitted by: **Harry**

Bims

Member

2003-12-16

Comment Type **Editorial**

Starting Page # **11**

Starting Line # **37**

Fig/Table#

Section **8.1.5.2**

[Need comma after "measuring the power"](#)

Suggested Remedy

[Should read "measuring the power, the losses"](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: [Accepted-Duplicate](#)

[comment 01. Also, this appears to be a duplicate of comment 20.](#)

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

[Comment 1](#)

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: **P802.16/Conf03/D2**

Ballot Number: **0000639**

Comment Date

Comment # **22**

Comment submitted by: **Ken**

Stanwood

Member

2003-12-15

Comment Type **Editorial**

Starting Page # **15**

Starting Line # **45**

Fig/Table#

Section **8.1.9.2**

{Comment of Lars Lindh}

typo

Suggested Remedy

mesage should be message

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

Document under Review: **P802.16/Conf03/D2**

Ballot Number: **0000639**

Comment Date

Comment # **23**

Comment submitted by: **Roger**

Marks

Member

2003-12-19

Comment Type **Technical, Non-binding**

Starting Page # **29**

Starting Line # **46**

Fig/Table#

Section **8.1.23.2**

{Comment of Lars Lindh.}

The text should make clear that the SS shall be commanded to transmit in the CW test mode.

Suggested Remedy

Delete the first sentence of the paragraph ("The SS is set in the CW test mode.").

Add the following sentence at the end of the paragraph:

"The SS is then commanded to transmit in the UL using the CW test mode."

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

IEEE 802.16-03/59r3

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Comment # **24**

Comment submitted by: **Roger**

Marks

Member

2003-12-19

Comment Type **Technical, Non-binding**

Starting Page # **29**

Starting Line # **56**

Fig/Table#

Section **8.1.23.2**

{Comment of Lars Lindh.}

The test must provide an alternative for subscriber terminals that do not support a CW test mode.

Suggested Remedy

Insert the following paragraph describing an alternative test method:

"If the SS does not support a CW test mode, the test shall be conducted by commanding the SS to use randomizer seed = 0, no FEC, and bursts containing a constant QPSK symbol. The payload of the UL packets will then be modulated to CW. The test BS knows when this happens and shall emit a proper gating signal to the test instrument."

Proposed Resolution

Recommendation:

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Reason for Recommendation

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Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

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Comment # **25**

Comment submitted by: **Ken**

Stanwood

Member

2003-12-15

Comment Type **Editorial**

Starting Page # **33**

Starting Line # **50**

Fig/Table#

Section

{Comment of Lars Lindh}

We should be consistent with table justification

Suggested Remedy

Center justify Table 3 on page 33 and
Table 11 on page 63

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

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Comment # **26**

Comment submitted by: **Ken**

Stanwood

Member

2003-12-15

Comment Type **Technical, Non-binding** Starting Page # **34** Starting Line # **43** Fig/Table# Section **8.1.28.2**
{Comment of Lars Lindh}

The sentence "The BER is computed from the payload of the data packets accepted by the SS." is not completely consistent with section A.2.4 because A.2.4 gives several ways of computing the BER.

Suggested Remedy

Delete the words "from the payload" from the sentence.

Proposed Resolution Recommendation: Recommendation by

Reason for Recommendation

Resolution of Group Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes Editor's Actions **k) done**

Actually "the payload of" was deleted

Editor's Questions and Concerns

Editor's Action Items

2004/02/10

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Comment # **27**

Comment submitted by: **Roger**

Marks

Member

2003-12-19

Comment Type **Technical, Non-binding**

Starting Page # **57**

Starting Line # **6**

Fig/Table# **51**

Section **8.2.17.1**

{Comment of Lars Lindh.}

The references in the text to Figures 51 through 61 are all too high by 1 (or, in the case of Figure 54, by 2).

Suggested Remedy

Correct the text references to Figures 51 through 61 to match the figure number.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

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Comment # [28](#)

Comment submitted by: [Ken](#)

[Stanwood](#)

[Member](#)

[2003-12-15](#)

Comment Type [Technical, Non-binding](#)

Starting Page # [62](#)

Starting Line # [10](#)

Fig/Table# [56](#)

Section [8.2.22.1](#)

{Comment of [Lars Lindh](#)}

This test is a DL test. Figure 56 is drawn as a UL test.

Suggested Remedy

[Redraw figure 56](#)

Proposed Resolution

Recommendation:

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Reason for Recommendation

Resolution of Group

Decision of Group: [Accepted](#)

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

[Written as a test for the BS transmitter](#)

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Comment # **29**

Comment submitted by: **Ken**

Stanwood

Member

2003-12-15

Comment Type **Technical, Non-binding** Starting Page # **65** Starting Line # **43** Fig/Table# Section **8.2.25.2**
{Comment of Lars Lindh}

The sentence "The BER is computed from the payload of the data packets accepted by the SS." is not completely consistent with section A.2.4 because A.2.4 gives several ways of computing the BER.

Suggested Remedy

Delete the words "from the payload" from the sentence.

Proposed Resolution Recommendation: Recommendation by

Reason for Recommendation

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Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes Editor's Actions k) done

Actually "the payload of" was deleted

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16/Conf03/D2**Ballot Number: **0000639**

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Comment # **30**Comment submitted by: **Ken****Stanwood****Member****2003-12-15**

Comment Type **Technical, Non-binding** Starting Page # **72** Starting Line # **35** Fig/Table# Section **A.2**
 {Comment of Lars Lindh}

There should be some explanation in the Annex regarding the test setups.

Suggested Remedy

Insert the following paragraph as A.2.5

A.2.5 Microwave measurement techniques

For each test in this document there is a recommended test setup showing one possible way of conducting the test. The test instruments and microwave equipment needed varies from test to test but typically includes:

| | |
|---------------------|---|
| Test BS | when testing the SS |
| Test SS | when testing the BS |
| Directional coupler | to sample the signal |
| Attenuator | to simulated a link length |
| Average power meter | to measure the transmitted power, usually through the coupler |
| Frequency meter | for carrier and symbol clock frequencies |
| Oscilloscope | for timing measurements |
| Power combiner | for certain tests like adjacent channel interference |

misc mw equipment like circulators, waveguides, splitters etc.

In each test description, one possible test setup is shown as an example of how the test could be performed. Alternative ways of doing the test are allowed and depend naturally on the test lab, and it's procedures, and the instruments used in the lab.

As an example, in the setup figures, the attenuator is placed after the coupler. The attenuator could also be placed before the coupler. The difference is that when the attenuator is placed after the coupler we get a strong signal to measure. The measurement time is short but the coupler and attenuator must be accurately calibrated.

When the attenuator is placed before the coupler we get a weak signal to measure and the integration time is long. On the other hand we do not have to calibrate the attenuator. The coupler must, however, be equally well calibrated in either case.

Sometimes a measurement could be done equally well with either a coupler or an circulator. It is up to the test lab to pass final judgement on how the test is performed.

Proposed Resolution**Recommendation:****Recommendation by**

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Group's Notes

Group's Action Items

Editor's Notes

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Comment # **31**

Comment submitted by: **Lars**

Lindh

Member

| Comment | Type | Starting Page # | Starting Line # | Fig/Table# | Section |
|---------|------|-----------------|-----------------|------------|---------|
|---------|------|-----------------|-----------------|------------|---------|

In order to satisfy subclause 5.2.2.3 of the IEEE-SA Standards Board Bylaws, "A statement of the type of balloting membership to be used shall be included in all versions of the draft standard and the final approved standard."

Suggested Remedy

Begin "Participants" section with: "This draft is intended for IEEE-SA Sponsor Ballot with individuals as the ballot group members."

Proposed Resolution **Recommendation:** **Recommendation by**

Reason for Recommendation

Resolution of Group **Decision of Group: Accepted**

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Editor's Notes **Editor's Actions** [k\) done](#)

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