

Project	IEEE 802.20 Working Group on Mobile Broadband Wireless Access < http://grouper.ieee.org/groups/802/20/ >	
Title	Draft Meeting Minutes, 802.20 Interim Meeting - Session #10, Berlin, Germany September 13-17, 2004	
Date Submitted	2004-9-17	
Source(s)	Rao Yallapragada QUALCOMM, Incorporated 5775 Morehouse Drive San Diego, CA, 92121	Voice: +1 858 658 4540 Fax: +1 858 651 2880 Email: rao@qualcomm.com
Re:	802.20 Session#10	
Abstract	Draft of the Minutes of the Session #10;	
Purpose	Minutes of the Session.	
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Draft - Meeting Minutes of the 802.20 Session #10

September 13-17, 2004

Berlin, Germany

Rao Yallapragada

Secretary

The tenth session of 802.20 was held at the September 2004 Interim meeting of IEEE 802 in Berlin, Germany.

The session began with an opening interim meeting at 8:00 am on July 13, 2004. The 802.20 WG had a joint opening interim session with 802.11, 802.15, 802.18, 802.19 and 802.21. The meeting ended at 9:31 pm. The following items were reviewed during the opening:

- IEEE 802 meeting conduct
- Voting Rights
- IEEE-SA Standards Board Bylaws on Patents in Standards
- Logistics for the session
- Next Meeting information

Contributions and WG documents referenced in these minutes may be found at the 802.20 website, <http://www.ieee802.org/20/>

See **Appendix A** for the attendance list.

Minutes of 802.20 Monday September 13, 2004

Meeting started at 11:00 am.

The chair requested to take a count of the number of voting members present in the session. It was found that there were 25 voting members present at the beginning of the session. Therefore there was no quorum for the session.

The chair requested the attendees to collect their voting tokens during the lunch break.

Chair reviewed the Logistics, Working Group policies and Objectives for the current session (C802.20-04-75)

Chair announced that there would be no electronic sign-in for this session instead there would be a manual sign-in procedure.

Chair presented the detailed agenda for the session (Appendix B).

After a brief discussion, the proposed agenda was approved without objections.

Time: 11:10 am.

Chair asked if there are any comments on the Meeting Minutes for the July Session (#9).

There were no comments.

Chair announced that the meeting minutes would be presented for approval in the next plenary session (#11).

Lunch Break: 11:25 am.

Resume: 1:30 pm.

Presentation by David Huo on “Evaluation Criteria and Traffic Models Status Update” (C802.20-04/74)

Break: 3:15 pm

Resume: 3:55 pm

Presentation by Anna Tee on “Evaluation of 802.20 proposals with adjacent channel interference considerations –Description text” (C802.20-04/68r1)

There was a long debate on the proposal with no consensus.

Time: 5:34 am

Meeting recessed for the day.

Tuesday, September 14, 2004

Meeting began at 8:00 am

Chair proposed changes to the working agenda. The chair reviewed the modified agenda (Appendix C).

Discussion followed

The modified agenda was approved without objections.

Time: 8:15 am

Presentation by Dan Gal on “Proposed Text for Evaluation Criteria Document – RF Performance Issues” (C802.20-04/64r2)

Discussion followed.

Chair requested to form an ad-hoc group to discuss the issues generated from the above discussion. Dan Gal was assigned to lead the group.

Presentation by David Huo on “Models of Signal Clipping for the Evaluation of MBWA” (C802.20-04/72)

Discussion followed.

Break: 10:20 am
Resume: 10:45 am

Presentation by Anna Tee on “Link-System interface simulation methodologies” (C802.20-04/67)

Discussion followed.

Lunch Break: 12:15 pm
Resume: 1:25 pm

Presentation by David Huo on “Simplified Space Channel Model for the System Evaluation in MBWA” (C802.20-04/70)

Discussion followed.

Presentation by Dan Gal on “IEEE 802.20 Technology Selection Process” (C802.20-04/72)

Discussion and inputs occurred during the presentation.

Break: 3:23 pm

Resume: 4:00 pm

Dan Gal continued with the presentation and more discussion occurred

Time: 5:10 pm

Meeting recessed for the day

Wednesday, September 15, 2004

Meeting began at 8:00 am.

Chair presented the working agenda for the day.

Presentation by Liaison Vice-Chair on “Liaison relationships” (C802.20-04/69r1)

Discussion followed with no actions assigned.

Dan Gal then presented the report on the Ad-hoc group discussion on RF requirements and considerations for the Evaluation Criteria document (C802.20-04/68r3)

Chair presented the following set of guidelines to discuss “Evaluation Criteria & Traffic Models – Process Improvements & Closure” (C802.20-04/78)

1. Update and Annotate the Document based on consensus conclusions and to show work required in each section from Sept. Interim. Post in Drop Box and set notification and explanation to WG.
2. Create and send List of Open Sections needing Contributions and Sections needing explanations/revisions - - send to WG and Post
3. Request Contributions/Proposals for Sections with identified Issues/Different Views.
4. Notify 802.20 All of the Conference Calls
Four conference calls till the November Plenary:
 - Tuesday, September 28, 2004, 6-8pmET
 - Tuesday, October 12, 2004, 6-8pmET
 - Tuesday, October 26, 2004, 6-8pmE
 - Tuesday, November 9, 2004, 6-8pmET
5. Develop agreed list of items for closure to address on call in advance.
6. Update the Document based on consensus conclusions from the calls. Annotate the document changes/additions as coming from a specific conference call.
7. Add Options to Document, if no consensus
8. Plenary Version available after Nov. 9th call, same week
9. Vote the Sections of the Documents at Plenary and overall

The group agreed these guidelines should be sent to the 802.20 mail reflector.

David Huo, acting editor of the Evaluation Criteria Document for this session, led the discussion on the key items defining the Evaluation Criteria positions on Power Amplifier Modeling.

Straw Poll

Option 1:

There is no need for a common model. Each proponent presents in sufficient detail about his own amplifier used in the simulation and proves that it is feasible.

- a. Pros: The model of the amplifier can be made accurate.
- b. Cons: The diversity may leads to more works on verifying the amplifier, while time spent on entire evaluation will be significantly increased.
Reduced comparability.

In favor of Option 1: 15

Option 2:

Not consider amplifier at all, assuming every one had linear amplifier.

- Pros: Significantly simplify the simulation and comparison
Cons: Far from being realistic

In favor of Option 2: 0

Option 3:

There is a need for a common model, or a set of common models, for linear amplifier. The model(s) should be used by all proponents, so that the impact of the non-linearity on the performance can be evaluated in a standardized way and a comparison is possible.

- Pros: Provide better comparability, reduced evaluation effort regarding amplifier.
Cons: The model cannot be realistic for every proponent.

In favor of Option 3: 5

Chair requested text to be crafted for Options 1 and 3. Chair requested to further review these options over the ECCG conference calls before the plenary session #11.

Subsequent to the discussion on Power Amplifier Modeling, David Huo proposed a channel model for Link Level Simulation

Discussion followed.

After considerable discussion, further deliberation was deferred until after the presentation of Channel Model requirements by Al Wiczorek later in the afternoon

David Huo discussed the System Calibration requirements for 802.20 Evaluation Criteria
Discussion followed. No conclusions reached.

Break: 10:00 am

Resume: 10:30 am

David Huo discussed the Fairness Criteria
Discussion followed. No conclusions reached.

Break: 12:30 am
Resume: 1:30 pm

**Presentation by Al Wiczorek on “Review of IEEE 802.20 Channel Models”
(C802.20-04-66r1 and Channel Models Revision 5)**

Discussion followed.

Break: 3:38 pm

Resume: 4:10 pm

Chair requested Al Wiczorek to summarize the outstanding issues of the Channel Models document and present them to the WG tomorrow.

David Huo resumed discussion on the Channel Modeling parameters defining the Link Budget Criteria.

Discussion followed.

Time: 5:00 pm

Meeting recessed for the day.

Thursday, September 16, 2004

Meeting began at 8:00 am.

Chair reviewed the working agenda for the day.

David Huo continued the discussion on Power Amplifier Modeling requirements for the Evaluation Criteria.

David Huo presented the following text that was crafted by the Ad Hoc Group to be added to the section 12.2, Hardware Characteristics in the 802.20 Evaluation Criteria document.

A proposal shall include [Each proponent shall provide] detailed information regarding the amplifiers assumed in the proposal and used in the simulation. The information shall be sufficiently detailed such that claimed simulation results can be verified by others. Also, the proponent (proposal) shall (contain justification) provide evidence [information providing justification] that the performance stated for the proposed amplifier arrangement is practicable.

Discussion continued as the WG suggested further modifications to the text. The following is the final version of the text (to be added to section 12.2 of Evaluation Criteria document).

A proposal shall include detailed information regarding the amplifier/s used in the simulation. The information shall be sufficiently detailed such that the claimed simulation results can be verified by others and that the practicality of the proposed amplifier arrangement is justified.

There was discussion on the following items:

- a) To specify a value for the average power
- b) To use the average power instead of the maximum power in the link budget
- c) About the role to be played by the maximum power in the context of signal clipping and power back-off
- d) Maximum Link Budget as additional evaluation metric (MLB = static attenuation from transmitter antenna to receive antenna)

Different opinions seem to still exist.

Review of Evaluation Criteria, Version 11 Document

David Huo led the discussion on the 802.20 Evaluation Criteria, version 11 document.

802.20 Evaluation Criteria, version 11 document was reviewed from the beginning of the document section by section.

Discussion on Section 3.3

Chair proposed a straw poll on the following two options.

Straw Poll

Option 1: To keep the following text in Section 3.3 but as unaccepted by the WG

3.3 Link level simulation model to include the effects of adjacent channel interference

When multiple frequency channels are deployed in an assigned channel block, the effect of adjacent channel interference can be modeled and included in the link level simulation as shown in Figure 1. A non-linearity model that can be used in the simulation is shown in Figure 2 [TBD]. Link performance of the desired user under the effect of ACI can be obtained through the computation of error probabilities at the receiver. The result of link performance should then be incorporated into the system level simulation.

The desired signal is generated by the transmitter model with carrier frequency at f_c . Two interfering signals, which are generated by similar transmitter models, each of which represents an adjacent channel centered at Δf on each side of the desired channel that is centered about f_c . Δf is the required channel spacing for the specific proposed technology.

A typical and the worst case scenarios should both be evaluated. The typical scenario is the one in which all three channels are transmitting at the same power. The worst case scenario happens when the adjacent channels are transmitting at their maximum power, while the desired channel is transmitting at the minimum power.

The set of link-level simulation results that need to be incorporated into the system simulation should reflect the performance degradation caused by ACI, based on this simulation methodology.

For the channels that are located at the two edges of a frequency block, interference from only one adjacent channel needs to be considered.

In the simplified power amplifier model for the AM/AM characteristics, P_{Tx} is the average transmitter power, with values indicated in Table 10-1. The maximum transmitter power P_{max} should be provided by the proposal.

Link Simulation model to include effects of adjacent channel interference

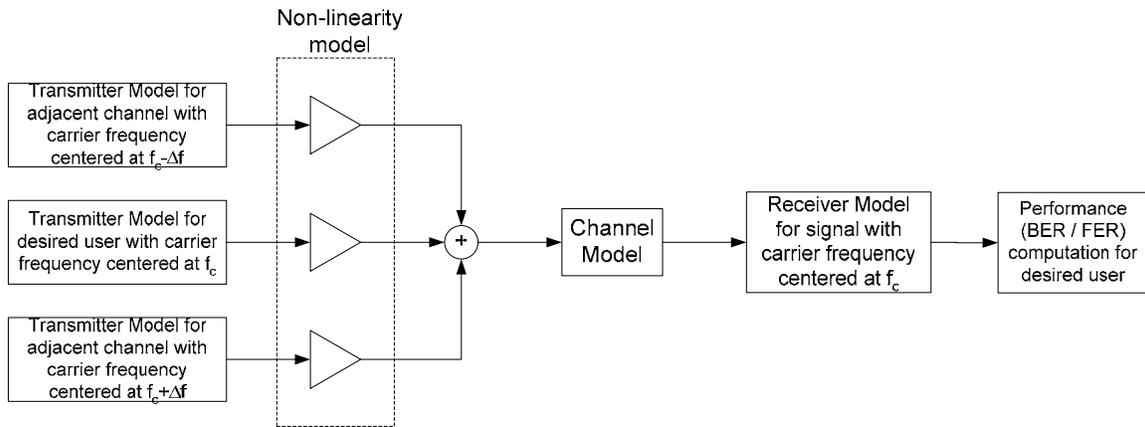


Figure 1 Link Simulation Model to include the effects of Adjacent Channel Interference

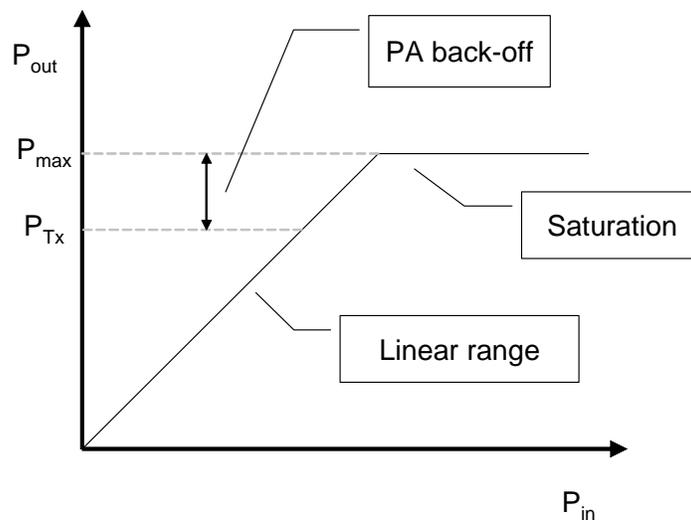


Figure 2 Power amplifier model¹ (TBD)

In favor of Option 1: 6 votes

Option 2: Delete the text and need a new text

In favor of Option 2: 8 votes

Section 3.3 is deleted and a new proposal is invited.

¹ Source: 3GPP TR25.892 v1.1.0

Discussion on Section 3.1

The following changes and modified text is proposed for section 3.1:

3.1 Modeling assumptions

Modulation and coding schemes [performance is to be evaluated using all channel environments associated with the channel models described in section 9]

Discussion on Section 3.2

In regards to FER of 1%, the chair requested to have proper explanation in the future and also if necessary provide a revision with appropriate justification.

Discussion on Section 4

Discussion on Section 4.3.1

It is proposed that the paragraph needs further explanation or revision.

Discussion on 4.3.2 & 4.3.3

Break: 10:05 am

Resume: 10:35 am

Discussion on Section 5.1:

5.1 Cell Layout

“For evaluation purposes, the system consists of 19 tri-sector cells, each with an imaginary hexagonal coverage area. Mobile stations are uniformly dropped into the 19-cell system.

All 19 cells are simulated using a cell wrap-around technique (See Appendix A) and the statistics are collected from all the cells.”

Straw Poll

Option 1: (text with word imaginary)

Yes: 14

Option 2: (text without the word imaginary)

Yes: 7

Option 1 passes

Lunch Break: 12:35 pm

Resume: 1:35 pm

Review of Evaluation Criteria Document continued Section by Section

Chair deferred discussion on Section 13 to the next session or for the conference calls.

Time: 3:50 pm

Al Wieczorek presented a report on the outstanding issues of the 802.20 Channel Models Document.

Al Wieczorek presented the plan for the completion of Channel Models Document:

- 1) Primary objective is to prepare in the CG v6 draft revision to Channel Model v5 document for adoption at the Nov. plenary meeting. CM document purpose is to serve as a reasonable technology evaluation aid, not necessarily the most realistic.
- 2) Additional objective is to prepare draft Evaluation document text to contribute to the Nov. plenary meeting for the following sections;
 - a) 6.2 Channel models for Phase 1 of the Simulations
 - b) 9 Channel Modeling and
 - c) 11 Link Budget Test Environment.
- 3) Two correspondence group (CG) conference call meetings (and, possibly more) will be held 10/8 and 10/29 (tentatively) to progress the work;
- 4) Agenda to consist of open items from this meeting and all reflector contributions delivered by 1 week prior to the calls. Call attendees are expected to have read and understood all of these.
- 5) Use Channel Models v5 document (04/66r1) to be added to the drop box as point of departure.
- 6) Review and decide upon contributions.

Discussion followed.

Al Wieczorek listed the following items for the V6 Call:

- Six items listed in document C802.20-04/61 (copied in slide 11) with consideration of contributions C802.20-04/70, C802.20-04/75, C802.20-04/76 and C802.20-04/77, and comments received during the presentation .

- Content for 3 Evaluation document sections
- Any other timely relevant contribution.

Al modified and added to the list of comments received on his presentation on 9/15/04 on Channel Models document. The following are the final list of comments on the 802.20 Channel Models document:

1. Need and desire to de-randomize parameters (Huo) facilitates comparisons and fall back to ITU-R SISO models, but (per -04/75) conflicts with ITU-R Rec. M.1225 ANNEX 2 §1.1(Guo). If fixed parameters approach is adopted, then consider Table 2.1 parameter value changes proposed in C802.20-04/70 (Huo), else skip.
2. Case 4 (Typical Urban) in Table 2.1 should be deleted (Ragsdale).
3. It was proposed that a mix of models be used for Phase 1 simulations (see Eval. Document 9.1). Because some thought the mixed method seemed to be an unnecessary complication there was not a consensus on the need to use a mixed method. If a mixed method is pursued there is a need for a specific mix.
4. Need to define Phase 1 evaluation and calibration simulation model(s), and parameter values to use (all)
5. There is a need to capture references to contributions incorporated during the evolution of revisions. (e.g.- 3GPP2 SCM-134 v6.0)
6. Need nomenclature consistency between Requirements, Evaluation and Channel Model documents.

Al Wieczorek's Progress Report on the Channel Models Document is posted in the Channel Models Drop Box. This report covers the output of the discussions on Channel Models during session #10.

Time: 3:30 pm
Resume: 4:00 pm

Chair covered the remaining agenda items on New Business and Next Meeting Planning.

No New Business was noted. The Chair did cover a quick status on the 802.16e PAR modification that the group objected to at the July Plenary. The Chair stated he was planning to attend NesCom and SAB review of the PAR and represent the group's views.

Next Meeting Planning: Next session is going to be in San Antonio, TX from 11/14/04 to 11/19/04.

Chair reviewed the steps again to get to a closure on the Evaluation Criteria document (C802.20-04/78). Again agreed this should be sent to the 802.20 mail reflector.

Chair requested David Huo to readout the text crafted by David Huo and Joanne Wilson on Section 16 of the Evaluation Criteria document.

The following is the text crafted for Section 16 of the Evaluation Criteria Document:

“A proposal should specify both its channel bandwidth and its "necessary bandwidth" and justify the ability to support their specified number of carriers within the spectrum allocation specified. In this case, proposals with multiple carriers within the spectrum allocation used for the evaluation process may have to simulate the inter-carrier leakage in order to justify that the number of carriers used within the allocation and the channel spacing does not cause a violation of the out of band emission limits.

In order to accommodate cases where a proposal choose to simulate only a single spectrum allocation, a scaling between the 2 sets of spectrum allocation needs to be defined.”

Discussion followed.

The text crafted above for Section 16 was modified as follows:

A proposal should specify the channel spacing and justify the ability to support their specified number of carriers within the spectrum allocation specified. In this case, proposals with multiple carriers within the spectrum allocation used for the evaluation process may have to simulate the inter-carrier leakage in order to justify that the number of carriers used within the allocation and the channel spacing do not cause a violation of the out-of-band emission limits.

In order to accommodate cases where a proposal chooses to simulate only a single spectrum allocation, a scaling between the 2 sets of spectrum allocation needs to be defined.

Time: 4:30 pm.

Straw Poll on Section 16

Option 1: Text as crafted above

In favor of Option 1: 6 Votes

Option 2: Remove the phrase “in order to justify” in the above the text as follows:

A proposal should specify the channel spacing and justify the ability to support their specified number of carriers within the spectrum allocation specified. In this case, proposals with multiple carriers within the spectrum allocation used for the evaluation process have to validate that the number of carriers used within the allocation and the channel spacing do not cause a violation of the out-of-band emission limits.

In order to accommodate cases where a proposal chooses to simulate only a single spectrum allocation, a scaling between the 2 sets of spectrum allocation needs to be defined.

In favor of Option 2: 14 Votes

Option 3: Don't care

In favor of Option 3: 6 Votes

Chair ordered a re-poll.

Results:

In favor of Option 1: 2 votes

In favor of Option 2: 16 votes

In favor of Option 3: 5 votes

The text for Section 16 will be included as voted in Option 2

Time: 5: 20 pm

Session #10 is adjourned

Appendix A: Attendance List

Last Name	First Name	Affiliation	Sept 04 Gain
Austin	Mark	OFCOM	Yes
Bajaj	Rashmi	France Telecom	Yes
Barrial	Gwen	Qualcomm	Yes
Bernstein	Jeffrey	TMG	Yes
Canchi	Radhakrishna	Kyocera	Yes
Chen	Nongji	Mitsubishi Electric	Yes
Eilts	Henry	Texas Instruments	Yes
Ferauson	Alistair	Selborne Associates	Yes
Gal	Dan	Lucent	Yes
Ganti	Hari	Flarion Technologies	Yes
Garcia-Alis	Daniel	Univ. of Strathclyde	Yes
Huo	David	Lucent	Yes
James	David S.	Oak Global BV	Yes
Joo	Panyuh	Samsung	Yes
Kakura	Yoshikazu	NEC	Yes
Knisely	Douglas	Lucent	Yes
Lee	Heesoo	ETRI	Yes
Li	Jun	Nortel	Yes
Ma	Steven	Freescale Semiconductors	Yes
Murakami	Kazuhiro	Kyocera	Yes
Naguib	Ayman	Qualcomm	Yes
Nakamura	Tetsuya	NTT MCL Inc.	Yes
Novick	Fred	Bussey Consulting	Yes
O'Brien	Francis	Lucent	Yes
Park	Won-Hyoung	Samsung	Yes
Pittampalli	Eshwar	Lucent	Yes
Polcari	Amy	Bussey Consulting	Yes
Prakash	Rajat	Qualcomm	Yes
Ragsdale	James	Ericsson	Yes
Sutivong	Arak	Qualcomm	Yes
Tee	Lai-King Anna	Samsung	Yes
Toro	Steven	Sane Solutions LLC	Yes
Tsui	Daniel P.	Interdigital	Yes
Upton	Jerry	JUpton Consulting; Qualcomm	Yes
Wieczorek	Alfred	Motorola	Yes
Wilson	Joanne	ArrayComm	Yes
Wu	Gang	NTT DoCoMo USA Labs	Yes
Yallapragada	Rao	Qualcomm	Yes
Yuza	Masaaki	NEC	Yes
Chindapol	Aik	Siemens	No
Cooklev	Todor	San Francisco State Univ.	No

Epstein	Mark	Qualcomm	No
Gysi	Martin	Swisscom	No
Hinz	Christopher	Symbol Technologies	No
Humbert	John	Sprint	No
Klerer	Mark	Flarion Technologies	No
Laihonen	Kari	TeliaSonera	No
Nguyen	Paul Tuan	DISA	No
Sago	Andy	British Telecom	No
Schwendener	Rico	Swisscom	No
Seagren	Chris	Sprint	No
Tomcik	James	Qualcomm	No
Wang	X	Philips	No
Wengerter	Christian	Panasonic	No
Wietholel	Sven	TuBerlin ITKW	No
Zheng	Frank	MCR	No

Appendix B: Approved Working Agenda on September 14, 2004

Detailed Agenda – September Interim – 802.20

Monday, September 13, 2004 8:00AM - 10:30 AM

- Joint Opening 802.11/15/18/19/20/21
- IEEE IPR rules and conduct
- Logistics for the session
- Proposed 802.20 Agenda & Session Objectives

Monday, September 13, 2004 11:00AM - 12:30 PM

- | | | |
|--|----------------------|--|
| <ul style="list-style-type: none"> Opening Session of 802.20 - Voting Tokens - Approval of Agenda including modifications - Review and approve July Minutes - Other Session Logistics | 11:00am -
12:30pm | |
|--|----------------------|--|

Monday, September 13, 2004 1:30PM - 5:30 PM (Break 3:30 – 4:00PM)

- | | | |
|---|--------------------|-----------------|
| <ul style="list-style-type: none"> Evaluation Criteria & Traffic Models: - Evaluation Criteria & Traffic Models Status Update (Farooq Khan/David Huo) | 1:30pm –
2:30pm | C802.20-04/74 |
| <ul style="list-style-type: none"> Contributions - Evaluation of Proposals with adjacent channel interference considerations (Anna Tee) | 2:30pm –
3:30pm | C802.20-04/68r1 |
| <ul style="list-style-type: none"> - Proposed Text for Eval. Criteria Doc. – RF Performance issues (Dan Gal) | 4:00pm –
5:30pm | C802.20-04/64r2 |

Monday, September 13, 2004 7:30PM - 9:00 PM (optional Ad-hocs)

Tuesday, September 14, 2004 8:00AM - 12:30 PM (Break 10:00 – 10:30AM)

<p>Evaluation Criteria & Traffic Models: Contributions - Link-system interface simulations methodologies (Anna Tee from July) - Models for Signal Clipping in Evaluation of MBWA (David Huo) - Simplified Space Channel Model for System Evaluation in MBWA (David Huo from July)</p>	<p>8:00am – 8:30am</p>	<p>C802.20-04/67</p>
	<p>8:30am – 10:00am</p>	<p>C802.20-04/73</p>
	<p>10:30am – 12:30pm</p>	<p>C802.20-04/70</p>

Tuesday, September 14, 2004 1:30PM - 5:30 PM (Break 3:30 – 4:00PM)

<p>Evaluation Criteria & Traffic Models: - Review of Document - Proposed drafting Ad-hocs</p>	<p>1:30pm – 5:30pm</p>	
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Wednesday, September 15, 2004 8:00AM - 12:30 PM (Break 10:00 – 10:30AM)

<p>Evaluation Criteria & Traffic Models: - Review of Document continued - Proposed drafting Ad-hocs - Closure Process for Nov. Plenary</p>	<p>8:00am - 12:30pm</p>	
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Wednesday, September 15, 2004 1:30PM - 5:00 PM (Break 3:30 – 4:00PM)		
Channel Models - Status of Channel Models for Link and System Simulations (Qiang Guo from July) - Review of Document & Closure Process	1:30pm - 5:00pm	C802.20-04/66
Wednesday, September 15, 2004 5:30PM - 10:00 PM		
- 802 Social Reception		
Thursday, September 16, 2004 8:00AM - 12:30 PM (Break 10:00 – 10:30AM)		
Technology Selection Process - 802.20 Technology Selection Process (Dan Gal)	8:00am – 12:30pm	C802.20-04/72
Thursday, September 16, 2004 1:30PM - 5:00PM (Break 3:30 – 4:00PM)		
- Liaison Plan Update (Eshwar Pittampalli from July) - New Business - Next Meeting Planning - Close of the Meeting - Adjourn	1:30pm – 2:15pm 2:15pm – 3:00pm 3:30pm – 4:00pm 4:00pm – 4:30pm 4:30pm – 5:00pm	C802.20-04/69

Appendix C: Modified Agenda for 9/14/04 to 9/16/04

Tuesday, September 14, 2004 8:00AM - 12:30 PM (Break 10:00 – 10:30AM)

<p>Evaluation Criteria & Traffic Models: Contributions</p> <ul style="list-style-type: none"> - Link-system interface simulations methodologies (Anna Tee from July) - Models for Signal Clipping in Evaluation of MBWA (David Huo) - Simplified Space Channel Model for System Evaluation in MBWA (David Huo from July) <p>1 Proposed Text for Eval. Criteria Doc. – RF Performance issues (Dan Gal)(Carryover from Tues.)</p>	8:00am – 8:30am	C802.20-04/67
	8:30am – 10:00am	C802.20-04/73
	10:30am – 11:30pm	C802.20-04/70
	11:30pm – 12:30pm	C802.20-04/64r2

Tuesday, September 14, 2004 1:30PM - 5:30 PM (Break 3:30 – 4:00PM)

<p>Technology Selection Process</p> <ul style="list-style-type: none"> - 802.20 Technology Selection Process (Dan Gal) (From Thurs. AM) Eval. Criteria – Ad-Hocs Optional 	1:30pm – 5:30pm	C802.20-04/72
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Wednesday, September 15, 2004 8:00AM - 12:30 PM (Break 10:00 – 10:30AM)

<p>Liaison Plan Update (Eshwar Pittampalli from July) (from Thurs. PM)</p> <p>Evaluation Criteria & Traffic Models:</p> <ul style="list-style-type: none"> - Review of Document continued <p>Closure Process for Nov. Plenary – first Inputs</p>	8:00am – 9:00am	C802.20-04/69
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Wednesday, September 15, 2004 1:30PM - 5:00 PM (Break 3:30 – 4:00PM)		
Channel Models - Status of Channel Models for Link and System Simulations (Qiang Guo from July) - Review of Document & Closure Process	1:30pm - 5:00pm	C802.20-04/66
Wednesday, September 15, 2004 5:30PM - 10:00 PM		
- 802 Social Reception		
Thursday, September 16, 2004 8:00AM - 12:30 PM (Break 10:00 – 10:30AM)		
Evaluation Criteria & Traffic Models: - Review of Document continued	8:00am – 12:30pm	
Thursday, September 16, 2004 1:30PM - 5:00PM (Break 3:30 – 4:00PM)		
Evaluation Criteria & Models Closure Process - New Business - Next Meeting Planning - Close of the Meeting - Adjourn	1:30pm – 2:30pm 2:30pm – 3:00pm 3:00pm – 3:30pm 4:00pm – 4:30pm 4:30pm – 5:00pm	C802.20-04/69