
IEEE P802.15
Wireless Personal Area Networks

Project	IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)		
Title	Minutes of the conference call on the channel model		
Date Submitted	[6 July 2005]		
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Re:	[Minutes of the conference call – TG3c Channel Model Subgroup]		
Abstract	[]		
Purpose	[]		
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Date

The 22nd conference call was held on June 28, 2005, at 8 PM EST.

Participants

- 1 Gary Baldwin
- 2 Shahriar Emami
- 3 Brian Gaucher
- 4 James Gilb
- 5 Nobuhiko Kuribayashi
- 6 Abbie Mathew
- 7 Tony Pollock
- 8 Khusro Saleem
- 9 Alireza Seyedi
- 10 Stan Skafidas

Issues Discussed

- (a) Gary updated the subgroup on the status of the petition to the FCC. He reviewed the draft of the joint industry response to the WCA Petition for Rulemaking. The action items are listed below.
- (b) Brian briefly described the copyright issues involved and requested that the participants not distribute the paper. On receipt of their assurance, Abbie emailed the paper to the participants listed above.
- (c) Abbie informed this subgroup of the possibility of moving the submission deadline from September to November. There will be further discussion on this at the next conference call.

Action Items

- (a) Each participant is requested to email their company's position to Gary¹ this week. Participants are encouraged either join in a common letter to the FCC or write directly to the FCC. Gary can provide the pertinent information if a company/participant considers the latter.
- (b) Abbie will email Gary the papers, currently residing on the IBM and IEEE servers, which contains information on the reflection characteristics of window, wall, etc. at 60 GHz. Others are encouraged to email similar materials to Gary.
- (c) Discussion on the IBM paper. Members who require a copy are requested to contact Brian².
- (d) Discussion on changing the submission deadline from September to November.
- (e) Update APPENDIX – A.

¹ gbaldwin@sibeam.com

² bgaucher@us.ibm.com

(f) Prepare for the San Francisco meeting.

- Abbie: Status report
- Stan: Present contribution 15-05-0368-00-003c
- Brian: Present contents in a paper titled *Wideband Channel Sounder With Measurements and Model for the 60 GHz Indoor Radio Channel*.
- Any other?

Next Conference Calls

The next meeting will be held at the times listed below. The dial-in number is (641) 985-8000 and the access code is 657719#.

US Eastern Standard Time	8.00 PM, July 12 - Tuesday
US Mountain Time	5.00 PM, July 12 – Tuesday
US Pacific Time	5.00 PM, July 12 – Tuesday
Japan/South Korea Time	9.00 AM, July 13 – Wednesday
South Australia Time	9.30 AM, July 13 – Wednesday

APPENDIX - A

#	Paper Title	File	Contact Person	Status
1	BROADWAY functional system parameter description	Broadway-wp1-d2	Bruce Bosco	Uploaded one paper to the IBM server ³ . Similar to a paper titled 'MEDIAN 60 GHz Wideband Indoor Radio Channel Measurements and Model' – also on the server. Require clarification.
2	BROADWAY study "the 60 GHz channel and its modeling"	Broadway-wp3-d7R3_annex1	Bruce Bosco	
3	BROADWAY simulation results for the 60 GHz indoor radio channel	Broadway-wp3-d7R3_annex2	Bruce Bosco	
4	MEDIAN 60 GHz wideband indoor radio channel measurements and model	Kunisch_Zollinger_Pamp_Winkelmann_IEEE1999	Chia-Chin Chong	Require more time.
5	Analysis of 60 GHz band indoor wireless channels with channel configuration	Park_Kim_Hur_Lim_Kim_IEEE1998	Chia-Chin Chong	Similar to this paper on the server. [CLOSED]
6	In-building wideband partition loss measurements at 2.5 GHz and 60 GHz	Anderson_Rappaport_IEEEMay2004	Brian Gaucher	Prof. Rappaport on vacation
7	Spatial and temporal characteristics of 60 GHz indoor channels	Xu_Kukshya_Rappaport_IEEEApr2002	Abbie Mathew	
8	Effects of antenna directivity and polarization on indoor multipath propagation characteristics at 60 GHz	Manabe_Miura_Ihara_IEEEApril1996	Alireza Seyedi	Uploaded two Manabe's papers to the IBM server ⁴ . [CLOSED]
9	Multipath measurement at 60 GHz for indoor wireless communication system	Manabe_Taira_Sato_Ihara_Kasashima_Yamaki_IEEE1994	Alireza Seyedi	
10	Measurements of reflection and transmission characteristics of interior structures of office building in the 60 GHz band	Sato_Manabe_Ihara_Saito_Ito_Tanaka_IEEEDec1997	Alireza Seyedi	
11	Measurement of the complex refractive index of concrete at 57.5 GHz	Sato_Manabe_Polivka_Ihara_Kasashima_Yamaki_IEEEJan1996	Alireza Seyedi	
12	Geometrical optics model for millimeter-wave indoor radio propagation	Smulders_ElectronicsLettersJune1993	Su-Khiong Yong	

³ 60 GHz Indoor Radio Channel Measurement, MEDIAN AC006

⁴ Papers are (a) Measurement of complex refractive index of soda-lime glass at 60 GHz by vector network analyzer based scatterometer, and (b) Polarization dependence of multipath propagation and high speed transmission characteristics of indoor mmW channel at 60 GHz.