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**IEEE P802.15**  
**Wireless Personal Area Networks**

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Project	IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)		
Title	<b>Minutes of the conference call on the channel model</b>		
Date Submitted	[2 July 2005]		
Source	[Abbie Mathew] [NewLANS, Inc.] [238 Littleton Road, Westford, MA 1886, U.S.A.]	Voice: Fax: E-mail:	[+1-617-283-1363] [+1-978-692-1619] [amathew@newlans.com]
Re:	[Minutes of the conference call – TG3c Channel Model Subgroup]		
Abstract	[]		
Purpose	[]		
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**Date**

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

**Participants**

- 1 Akira Akeyama
- 2 Gary Baldwin
- 3 Chia-Chin Chong
- 4 Shahriar Emami
- 5 Chuck Haymes
- 6 Nobuhiko Kuribayashi
- 7 Abbie Mathew
- 8 Tony Pollock
- 9 Alireza Seyedi
- 10 Su-Khiong Yong

**Issues Discussed**

- (a) Participants listed in APPENDIX – A provided updates on their attempts to obtain measured data.
- (b) Su-Khiong and Tony summarized their contributions – 15-05-0357-00-003c and 15-05-0368-00-003c respectively. This was followed by Q & A.

**Action Items**

- (a) Gary to provide the status of the petition before the FCC.
- (b) Update APPENDIX – A.
- (c) Brian Gaucher to release the IBM paper titled “Wideband Channel Sounder With Measurements and Model for the 60 GHz Indoor Radio Channel.” The measurement data may be available by July 8, Friday.
- (d) Inform the subgroup of the possibility of postponing the channel model submission from September to November.
- (e) Prepare for the San Francisco meeting.
  - o Abbie: Status report
  - o Stan: Present contribution 15-05-0368-00-003c
  - o 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 5 - Tuesday
US Mountain Time	5.00 PM, July 5 – Tuesday
US Pacific Time	5.00 PM, July 5 – Tuesday
Japan/South Korea Time	9.00 AM, July 6 – Wednesday
South Australia Time	9.30 AM, July 6 – 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 <sup>1</sup> . 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 <sup>2</sup> . [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	

<sup>1</sup> 60 GHz Indoor Radio Channel Measurement, MEDIAN AC006

<sup>2</sup> 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.