



Chinese Evaluation Group Status Update

13 January 2010

IEEE 802.16 IMT-Advanced Evaluation Group
Coordination Meeting

outline

- ChEG introduction
- ChEG evaluation work
- Current status on IEEE evaluation

About ChEG

- Members
 - There are 13 members in ChEG, including operators, vendors, research institutes and universities.
- Objective
 - Assess IMT-Advanced candidate submission and submit evaluation report to ITU-R WP5D
 - Cooperate with other external EGs
 - Cooperate with proponents
- Web site
 - <http://cheg.ccsa.com.cn>
- Chair
 - Wan Yi, wanyi@mail.ritt.com.cn

ChEG Works

- ChEG is evaluating IMT-Advanced candidate submissions, including LTE-Advanced and IEEE 802.16m
- Coordination between members
 - By face to face meeting, e-mail discussion
 - Parameter assumption, Calibration, technical clarification, results identification

Approach on IEEE evaluation

- Analyze the IEEE technology and inspect self-evaluation report provided by proponent
- Calibrate according to calibration procedure and results provided by IEEE
- Perform simulation on IEEE technology using IEEE simulation assumption

Current status (1)

1. Calibration status

- Two-step calibration are done using simulator calibrations information provided by IEEE
 - Geometry calibration
 - System level calibration with DL SU-MIMO 4 x 2 configuration
- Both calibration results show good alignment with results in IEEE EIG document

Example of DL SU-MIMO 4 x 2 calibration results:

UMI	LGE	Samsung	Intel	MediaTek	ETRI	Average	ChEG
Sector S.E	1.97	1.96	2.0	1.82	2.06	1.96	1.91
Edge S.E	0.0827	0.0814	0.06 2	0.058	0.078	0.0724	0.061

Current status (2)

2. Analysis on IEEE proposal and inspection on IEEE self-evaluation report have been done
3. Complete evaluation on IEEE technology are on going.