Sound Quality Characteristics of the Cicada Sound

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1. 2.1 Head acoustics社 Artificial 가 Head Fig 1 가 가 가 가 가 가 가 가 가 Fig 1. The measurement of the cicada sound. 가 가 가 (Free Field) (95dB) 가 (Dynamic range) 104dB 가 가 2.2 가 8 CADA-X Test monitor 2.),), 가 가 24.83sone 가 3.37acum E-mail: gujhgujh@korea.kr 0.080 asper 가 Tel: (032) 560-8323, Fax: (032) 561-7013

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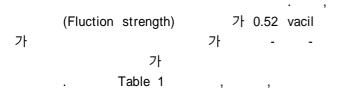
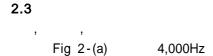
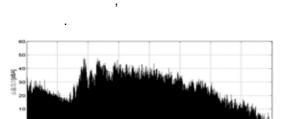


Table 1. The sound quality of the 3 kinds of cicada sound.

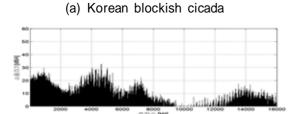
Kinds of icada	dBA	Loudness (sone)	Sharpness (acum)	Roughness (asper)	Fluction Strength (vacil)
Korean Blockish Cicada	<u>73.0</u>	24.83	3.37	0.080	0.12
Robust Cicada	66.8	21.68	2.37	0.074	0.52
Meimuna Mongolica	66.9	21.33	2.81	0.062	0.34

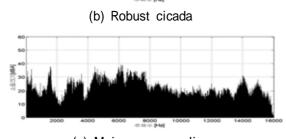




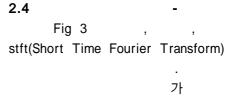
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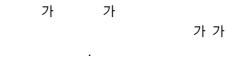
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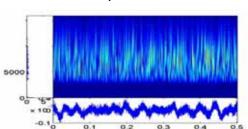


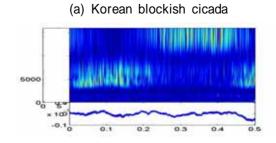


(c) Meimuna mongolica
Fig 2. The frequency analysis of the 3 kinds of cicada sound.









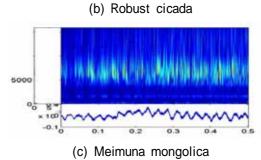


Fig 3. The time-frequency analysis of the 3 kinds of cicada sound.