

*Multiple-Chamber Aligned in Parallel (MCAP) Speaker System
Application Report*

Full-Range Speaker System with MCAP Enclosure - TR200a -

Principal Design

General Information		Summary
Document Release Date	12/07/08	TR200a consists of a main chamber and 3 subchambers.
Manufactured Year	2007	
Document ID	MCAPAP004E	This is one of old designs. Cross sectional area of open-air duct seemed to be a little bit too big, so that low end frequency was relatively higher than new models, while driver size is larger 8 inches.
Model ID	TR200a	
Used Driver(s)	Fostex FE206Σ, FT96H(+0.68μF)	
Alternative Drivers	FE206E, FF225K	This system sounds very clear and preferable like very expensive system. There is no impression to be lack of lower frequency range, while listening music source.
Overall Size(H×W×D)[mm]	900 x 290 x 320	
Characteristic Frequencies[Hz]	45, 55, 64, 70, 92, 121	
Required DIY Skill	Relatively High	
Designed by	S. Suzuki	

Enclosure Details

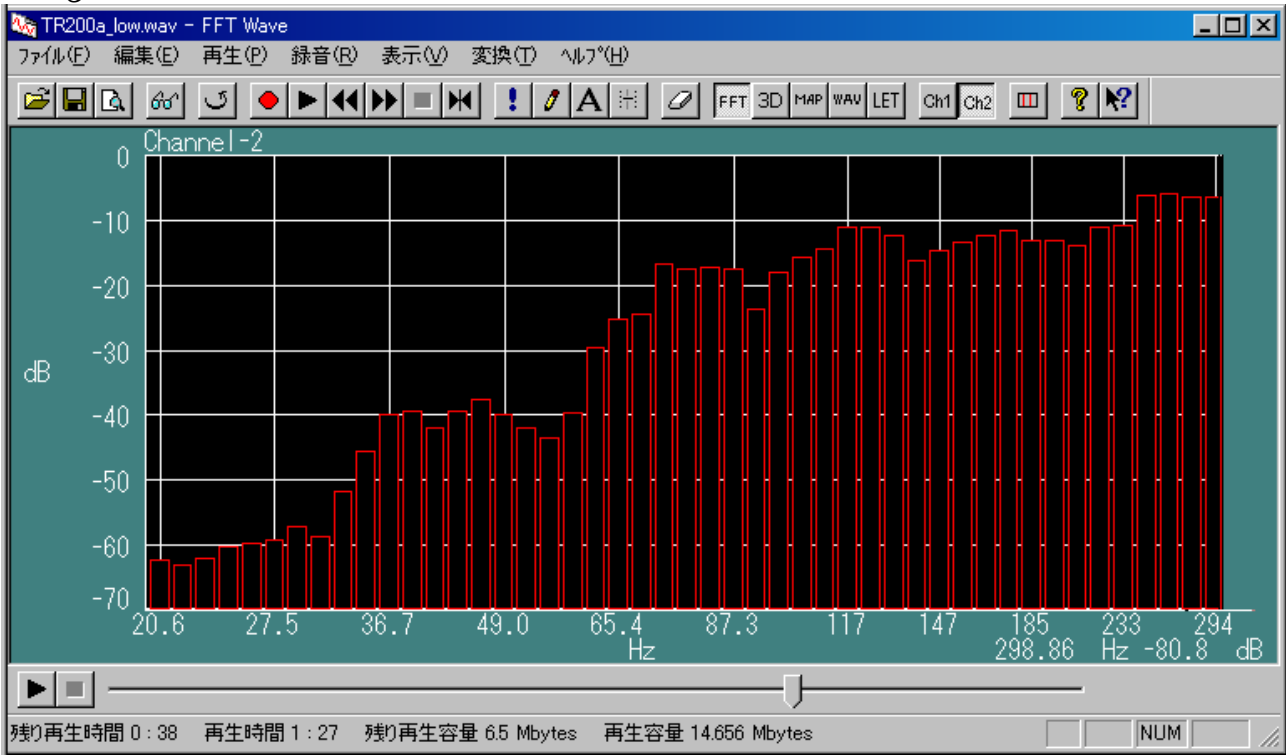
Item	Specifiction	Drawing
Model ID	TR200a	
Main chamber	33.6[L]	
Subchamber #1	14.0 [L]	
Subchamber #2	14.0 [L]	
Subchamber #3	16.0[L]	
Duct #1	50 x 50 x 115	
Duct #2	50 x 50 x 132	
Duct #3	50 x 50 x 260	
Duct #4	50 x 50 x 132	
Duct #5	24 x 24 x 142	
Duct #6	24 x 24 x 182	
		Material of this enclosure was 15 mm thickness combined panel wood plate (1920 x 910 x 15 2-pieces).

Any questions should be asked to Shigeru Suzuki (mcapspeakers@gmail.com).

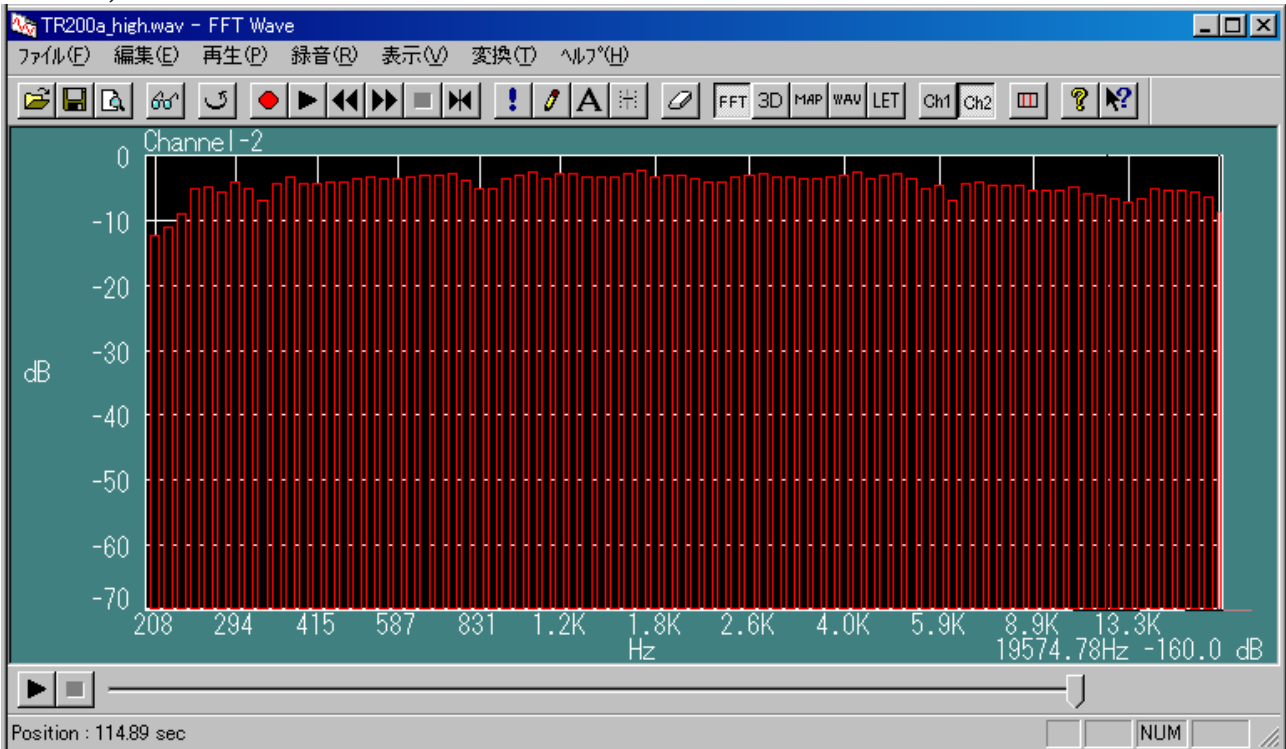
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Frequency Response

20 - 300Hz



200-20,000Hz



End of report