

ANSYS Class3 Error Report**ERROR NO:**

2014-17

Keywords:

POST1 RADIATED ACOUSTIC POWER HFSYM PRFAR PLFAR

Description of Error:

In acoustic harmonic response analyses (ANTYPE,HARMIC with FLUID30, 130, 220, or 221), the radiated acoustic power that is calculated with the POST1 far-field commands PLFAR or PRFAR is doubled when an infinite baffle exists and the sound hard boundary condition (HFSYM command) is used to replace the baffle for far-field calculations.

Typical GUI Path(s):

N/A

Other Comments:**First Incorrect Version:**

Release 14.0

Corrected In:

Release 16.0

Suggested User Action For Running on Uncorrected Version:

Since sound power level is output, subtract $10 \cdot \log_{10}(2) = 3.0103$ dB from the output result. Alternatively, do not apply the sound hard boundary condition to the baffle for radiated power calculation.

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