

ROMA CONVENTION CENTER "LA NUVOLA"



COMMITTENTE:

EUR S.p.A.

Largo Virgilio Testa, 23 - 00144 ROMA

RESPONSABILE UNICO DEL PROCEDIMENTO:

Dott. Ing. Raimondo Cavallo



PROGETTISTA:

Dott. Arch. Fabrizio d'Ovidio

GRUPPO DI LAVORO:

Dott. Arch. Pina Colamarino

Dott. Ing. Vittorio Calomeni

TECNOLOGIE CONGRESSUALI ALL'INTERNO DELL'AUDITORIUM

PROGETTO ESECUTIVO

TITOLO ELABORATO:

**AUDIO
SIMULAZIONI ACUSTICHE**

ID ELABORATO:

A_02

EMISSIONE:

DATA:

REV:

N.1

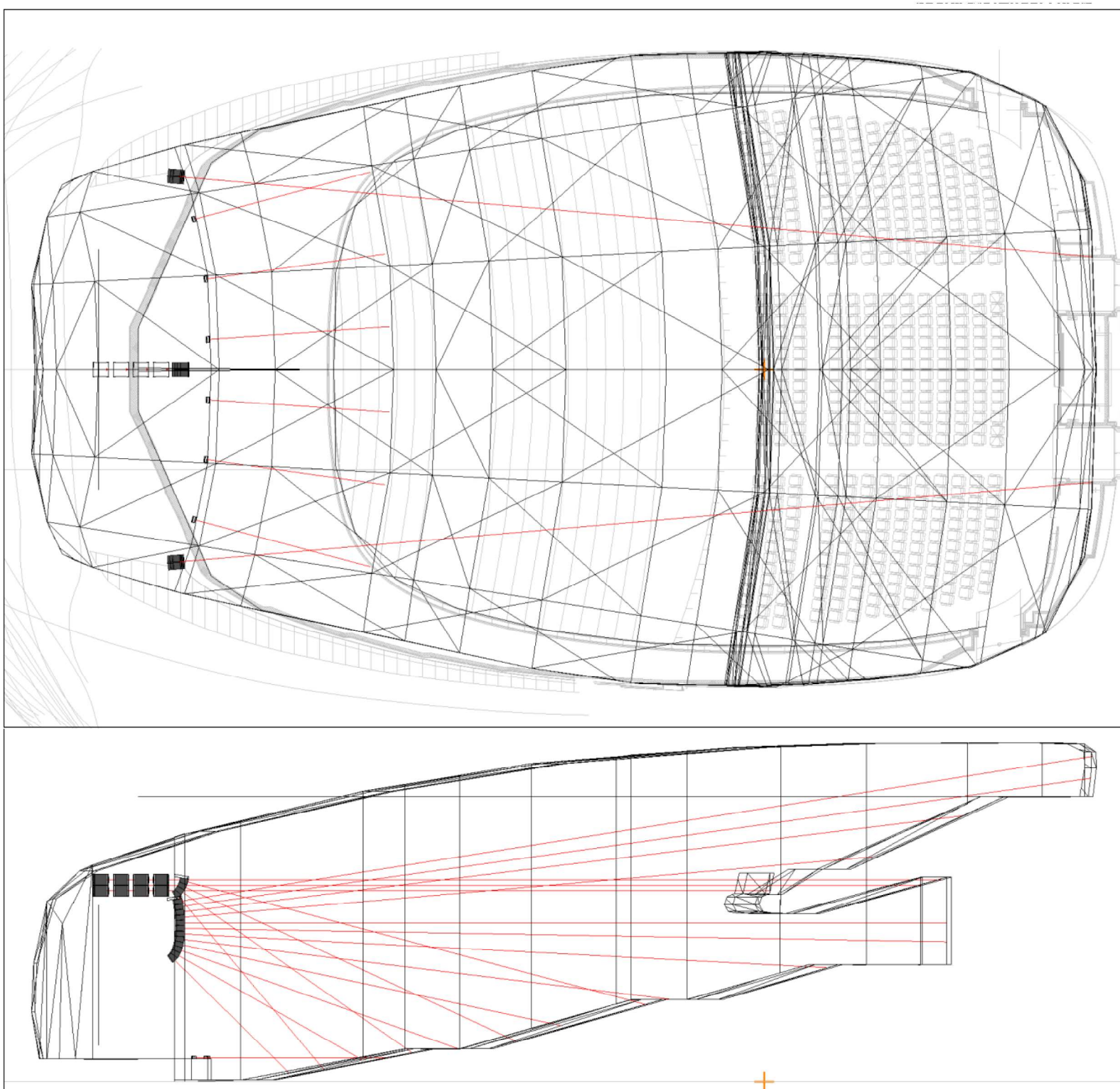
01-07-2020

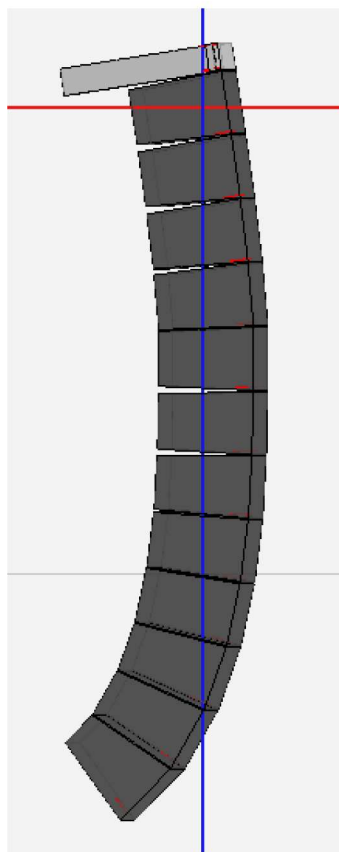
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SCALA:

-

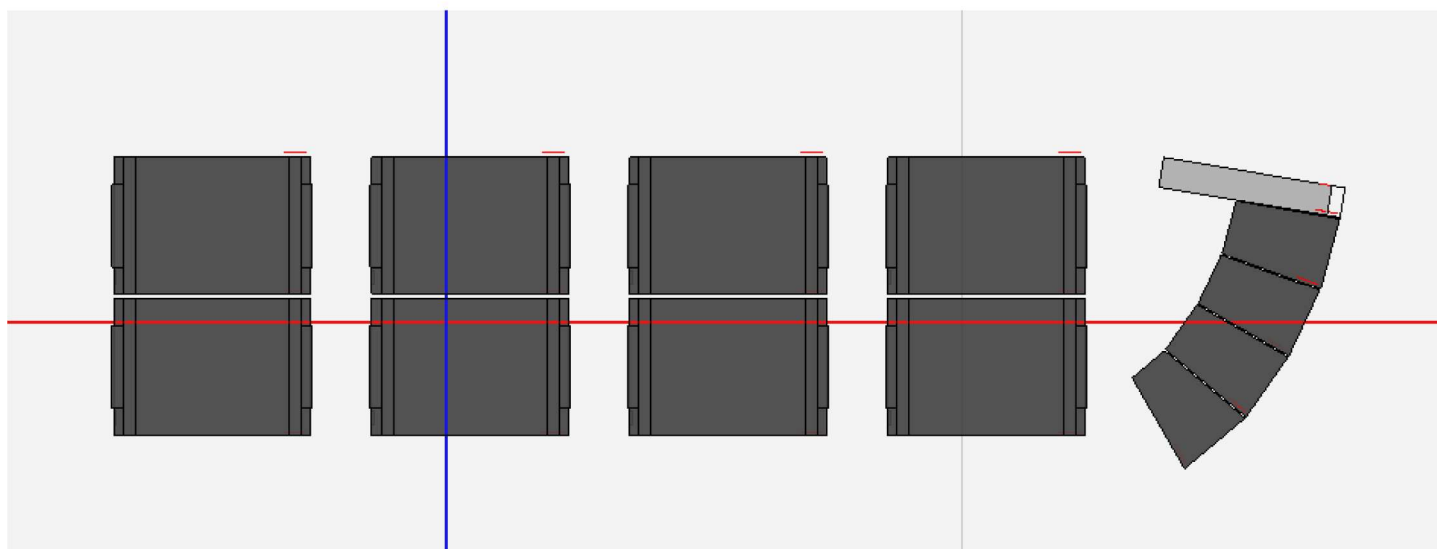
Simulazioni acustiche

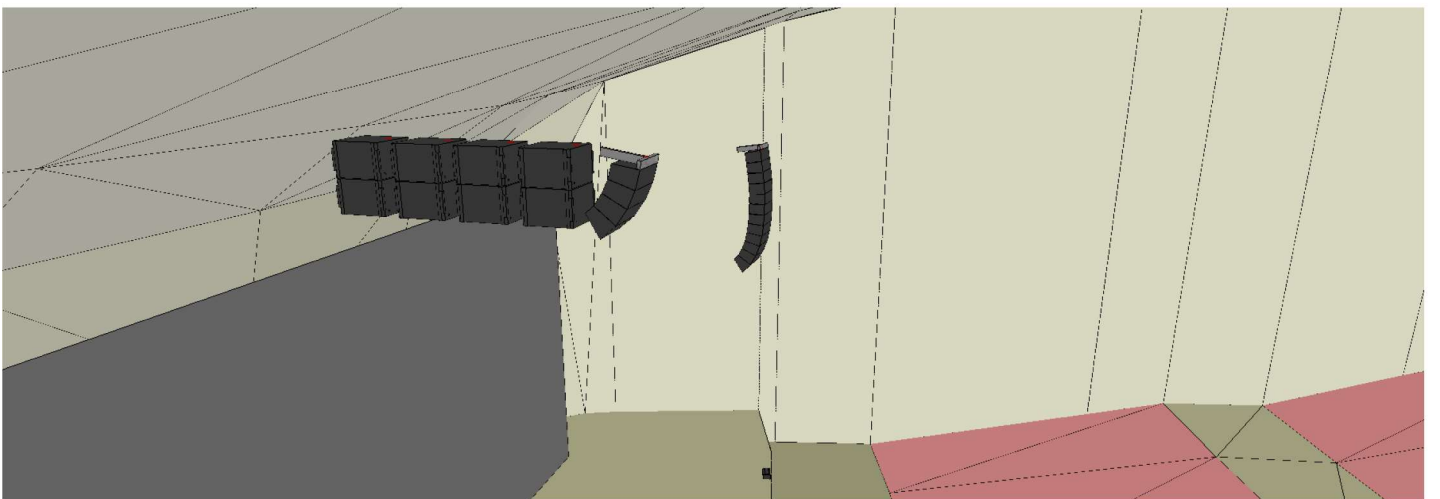
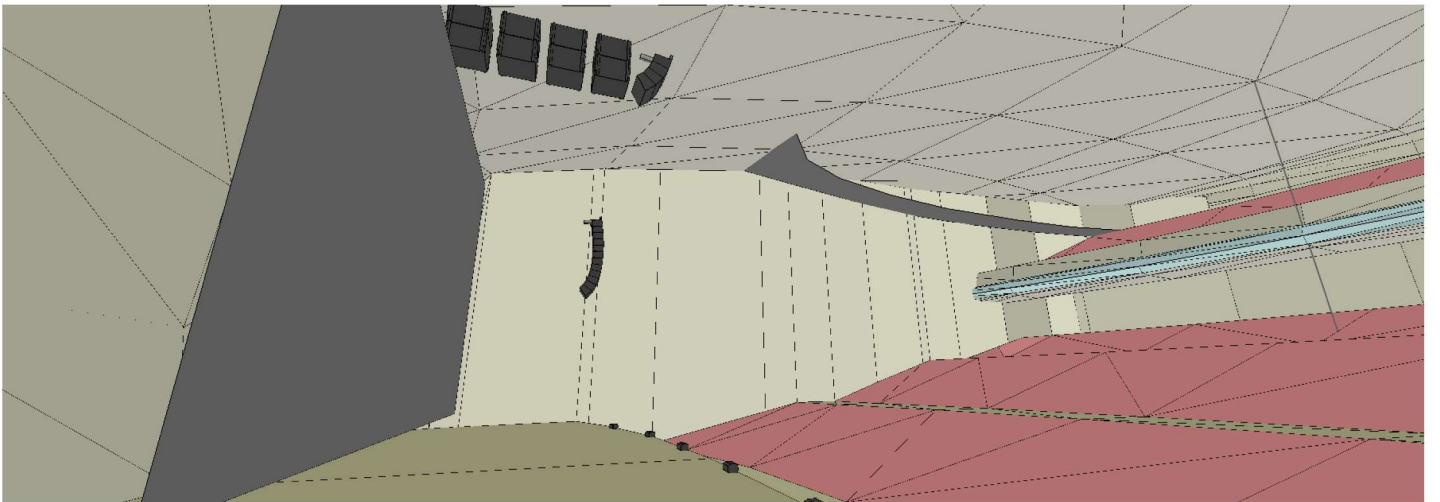
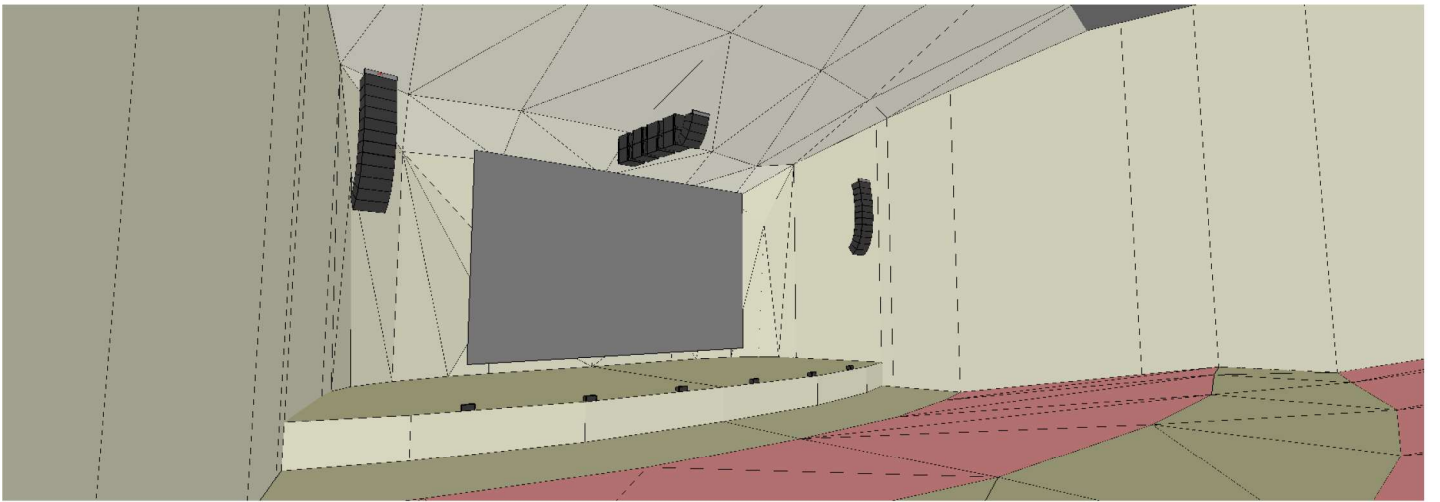




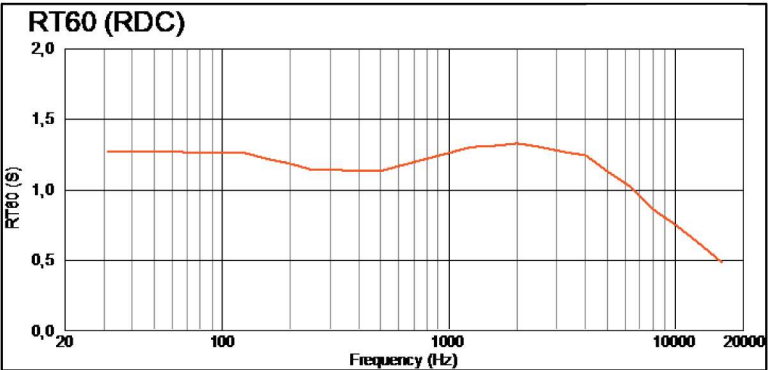
Struttura:

- N. 2 cluster ShowMatch, ciascuno composto da:
- n. 1 frame SMAFT
 - n. 1 staffa SMAFMP
 - n. 8 SM5 (70°h)
 - n. 1 SM5 (100°h)
 - n. 2 SM10 (100°h)
 - n. 1 SM20 (100°h)
- N. 1 cluster ShowMatch composto da:
- n. 1 frame SMAFT
 - n. 1 staffa SMAFMP
 - n. 2 SM10 (70°h)
 - n. 1 SM10 (100°h)
 - n. 1 SM20 (100°h)
- N. 8 sub SMS118 (rigging da definirsi ad hoc)

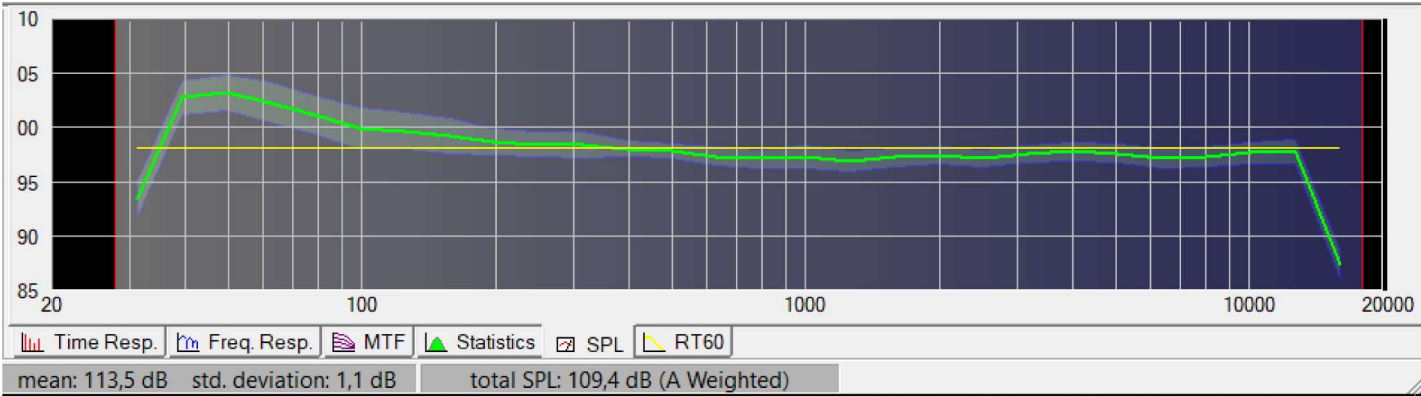


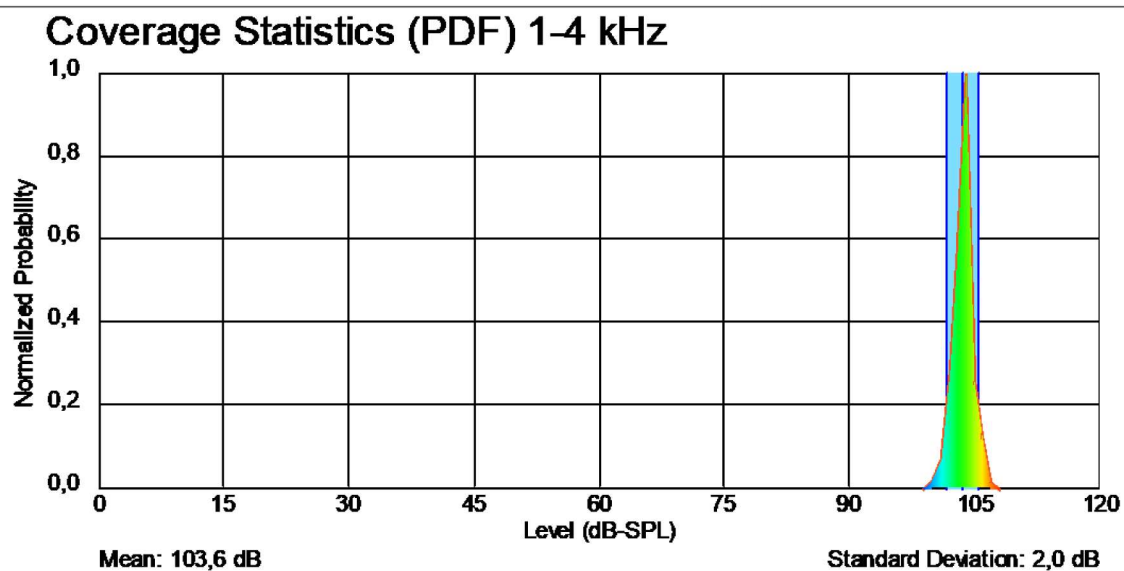
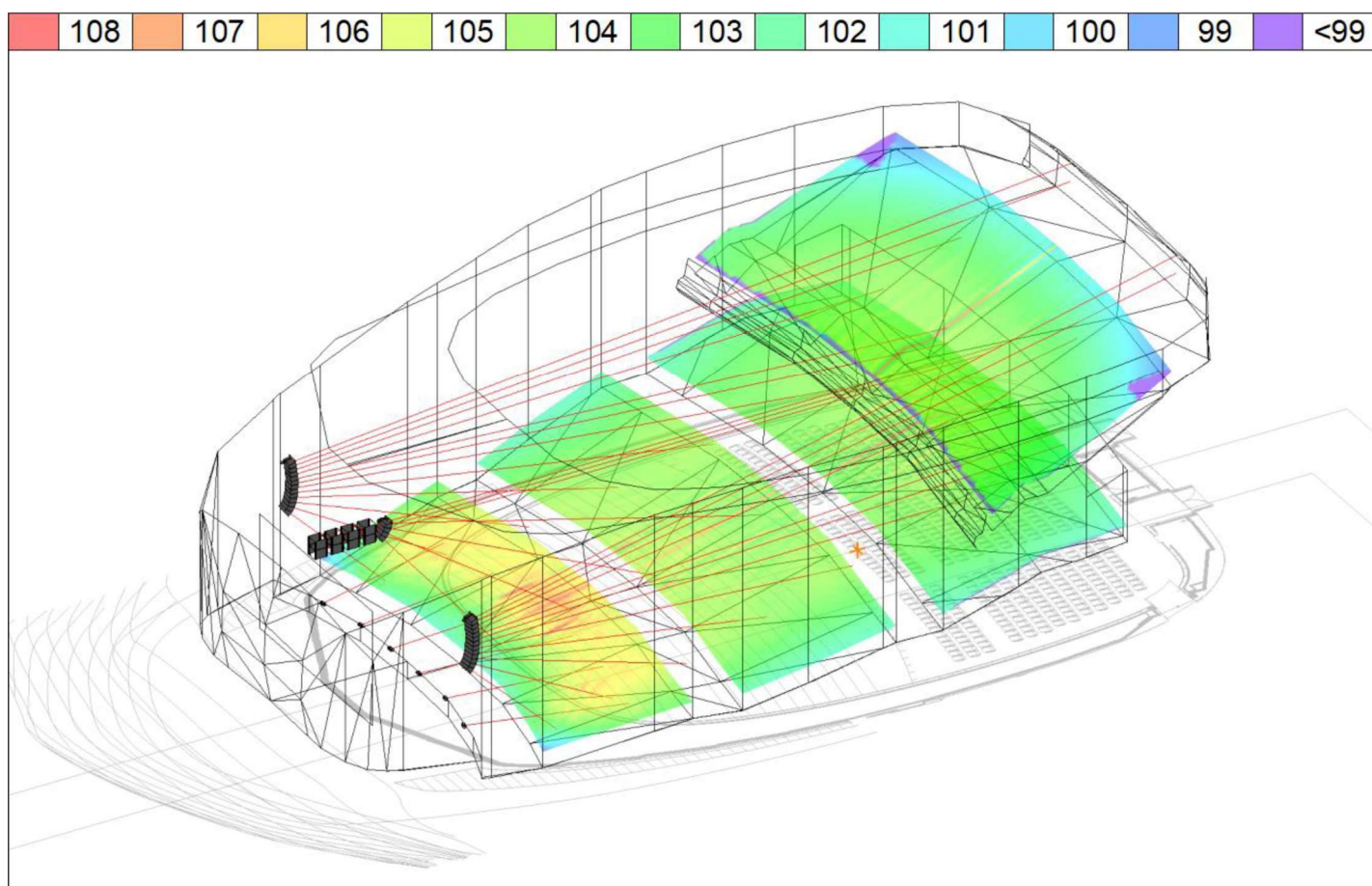


Le seguenti simulazioni sono condotte nell'ipotesi (da verificare) di un tempo di riverberazione ambientale RT60 con andamento simile a quanto indicato in figura a lato, a sala vuota.

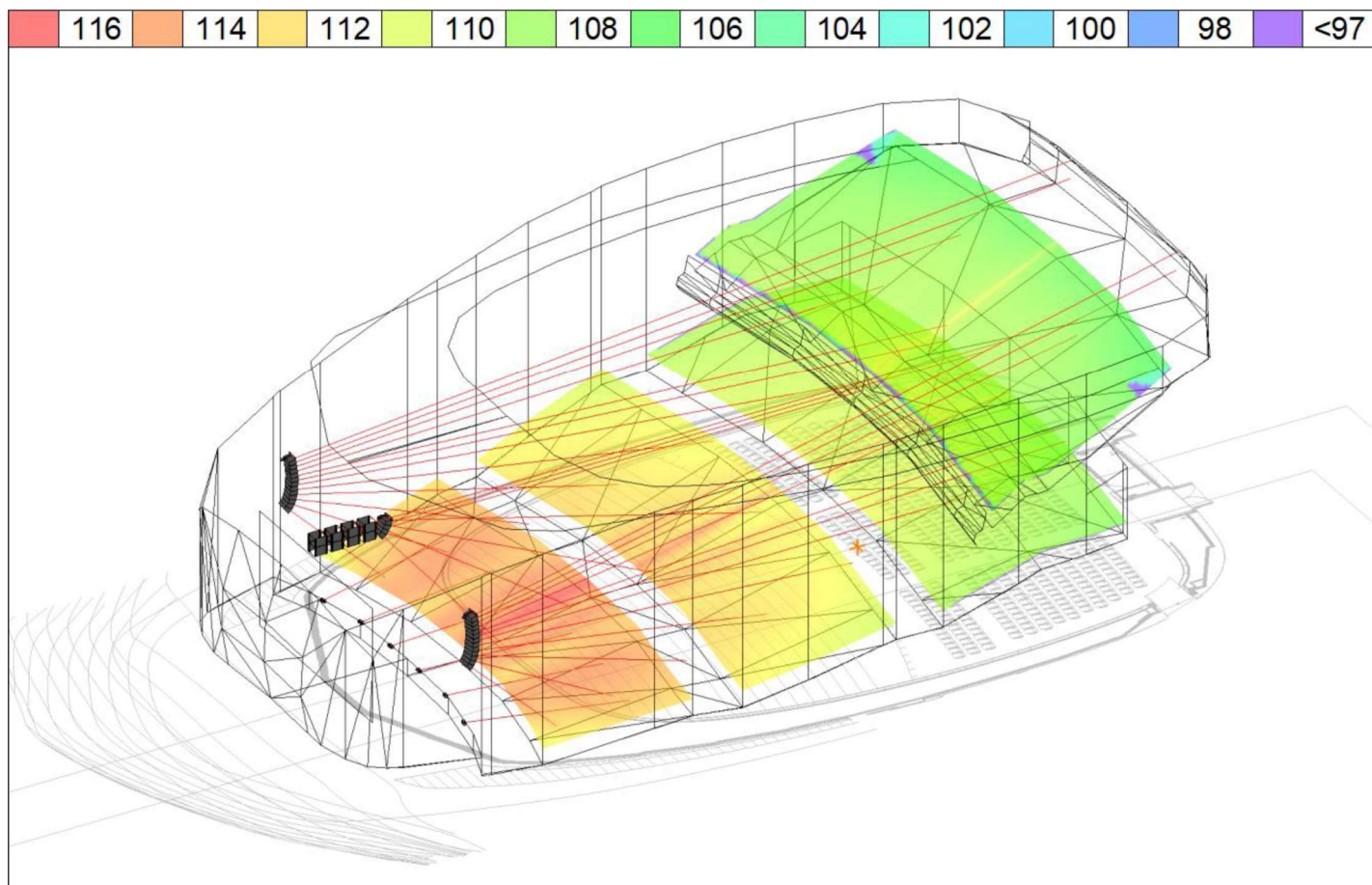


La risposta in frequenza della distribuzione della pressione dB SPL totale è stata imposta come segue:

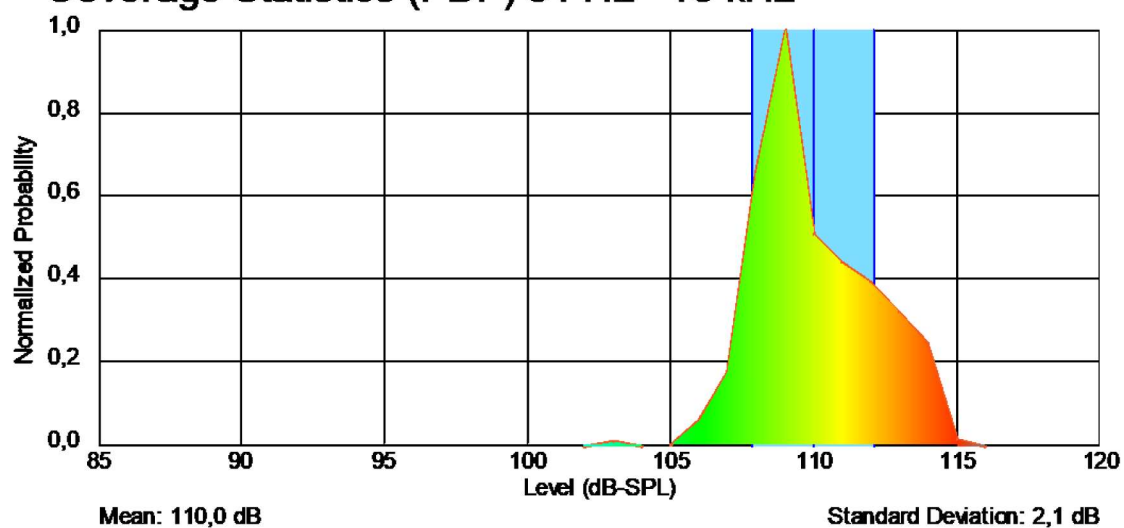




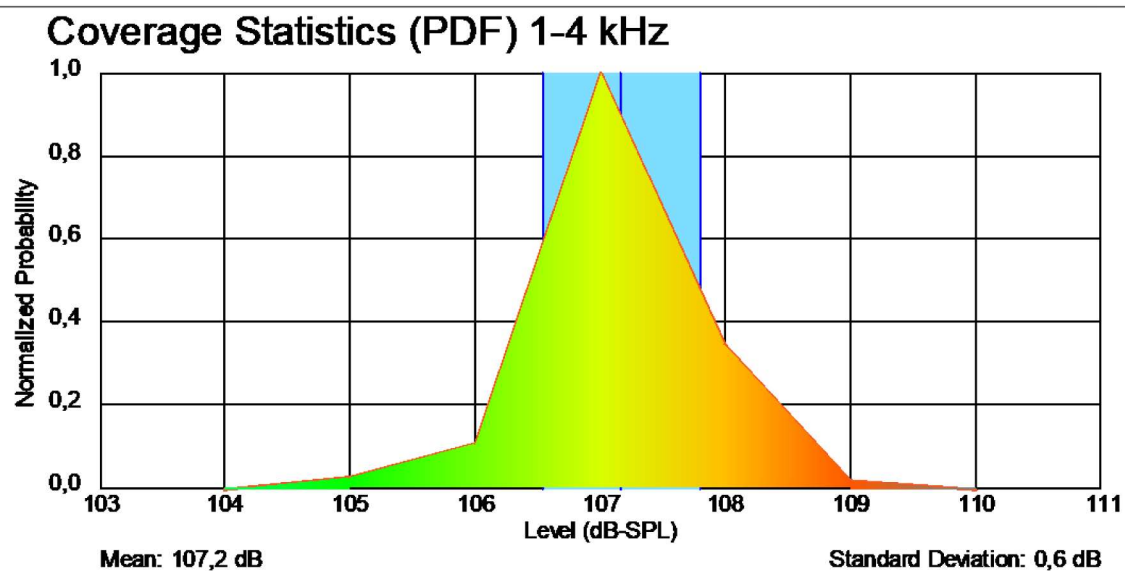
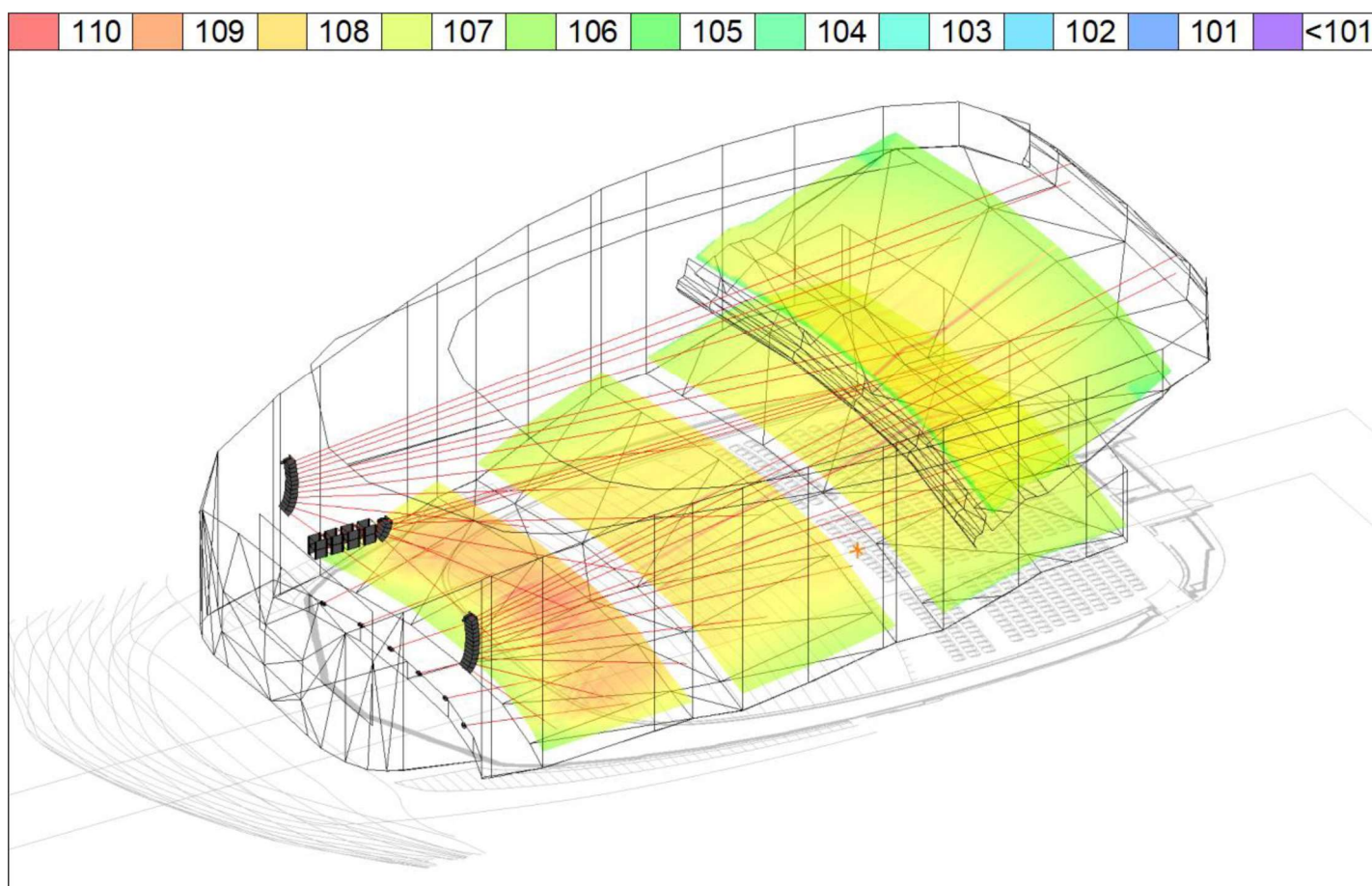
*Massima pressione dBSPL diretta nel range del parlato
(1kHz-4kHz, crest factor 6dB)*



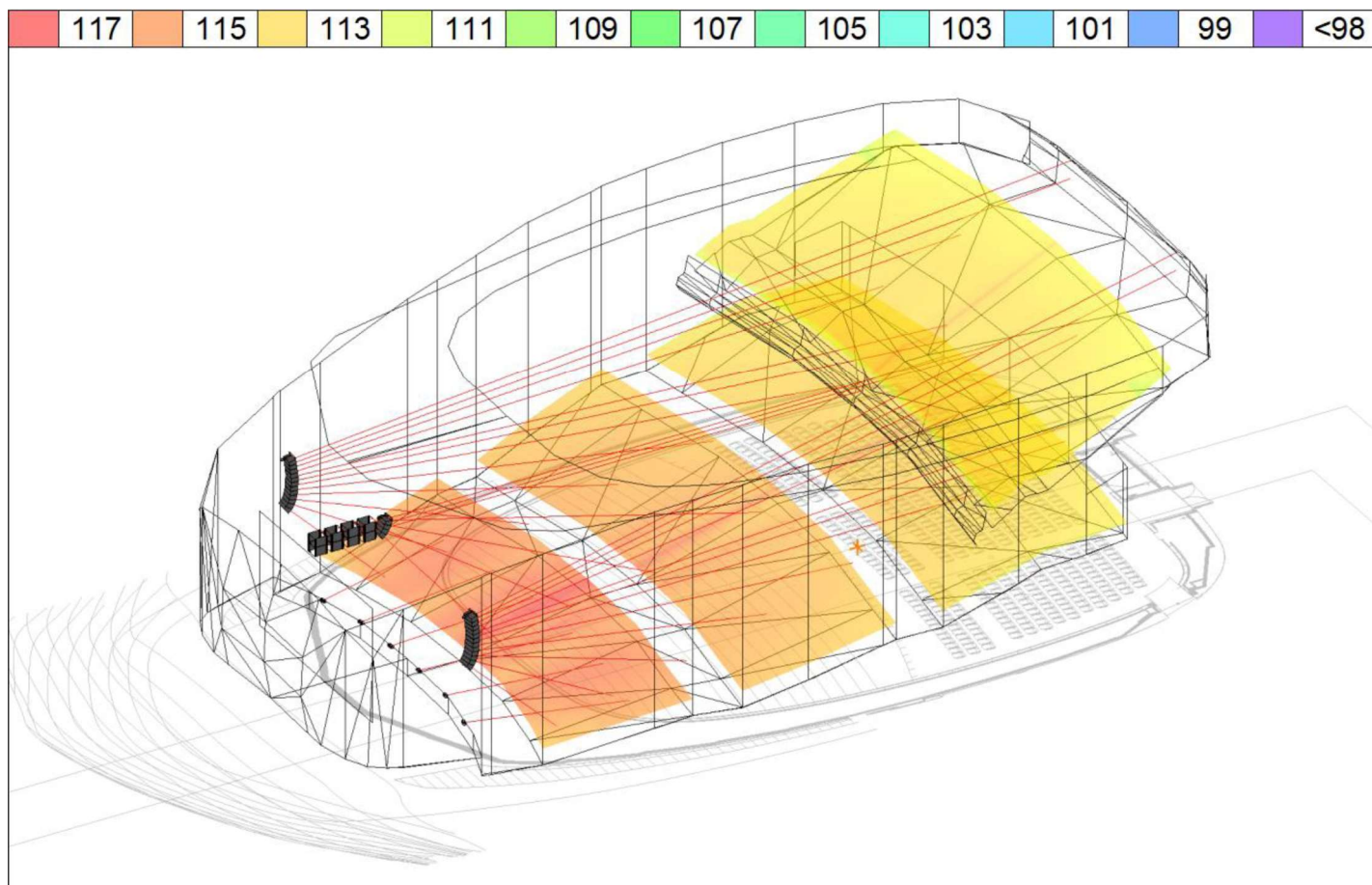
Coverage Statistics (PDF) 31 Hz - 16 kHz



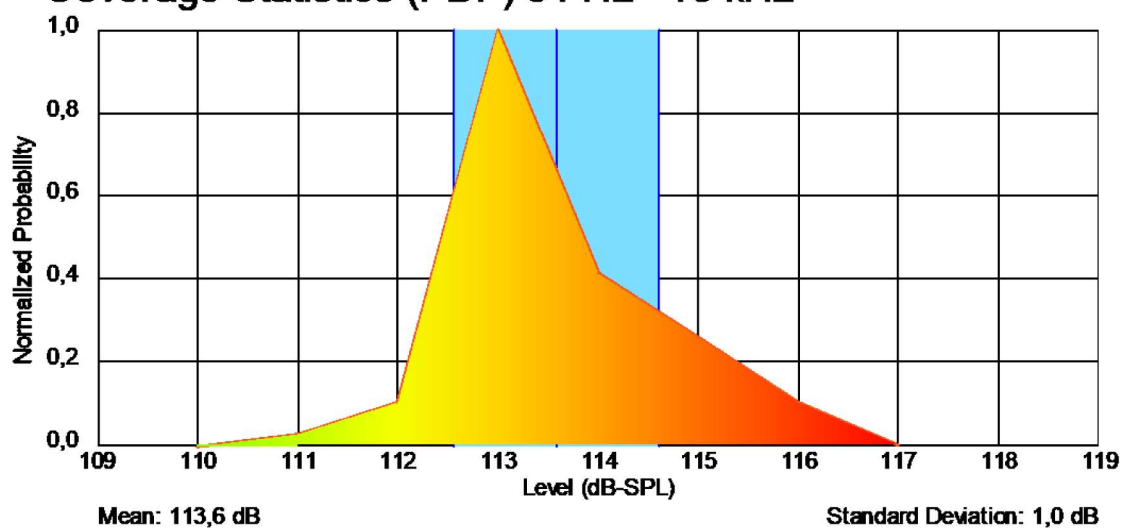
*Massima pressione dB SPL diretta fullrange
(31Hz-16kHz, crest factor 6dB)*



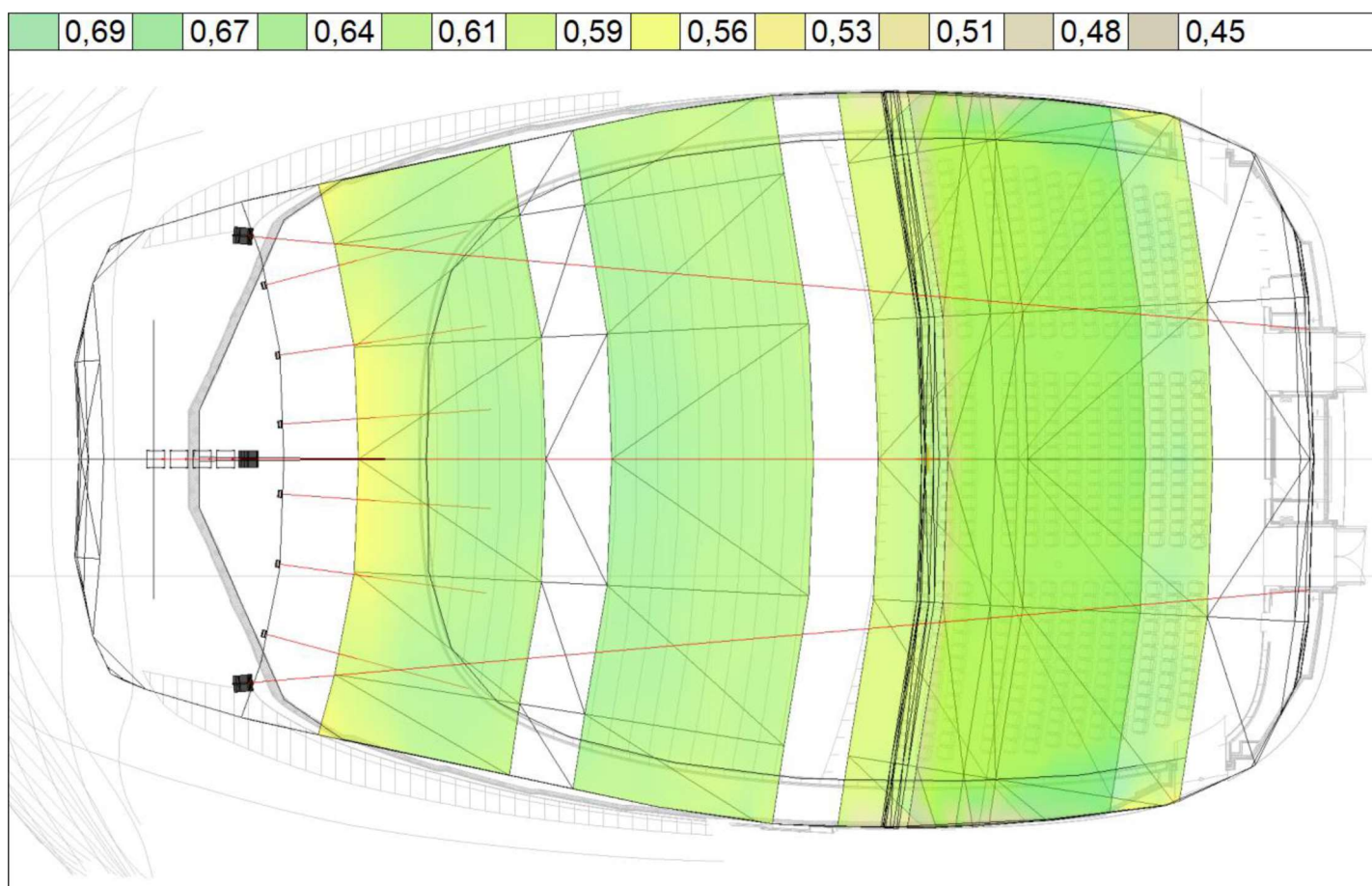
Massima pressione dBSPL totale (diretta + riflessa) nel range del parlato (1kHz-4kHz, crest factor 6dB)



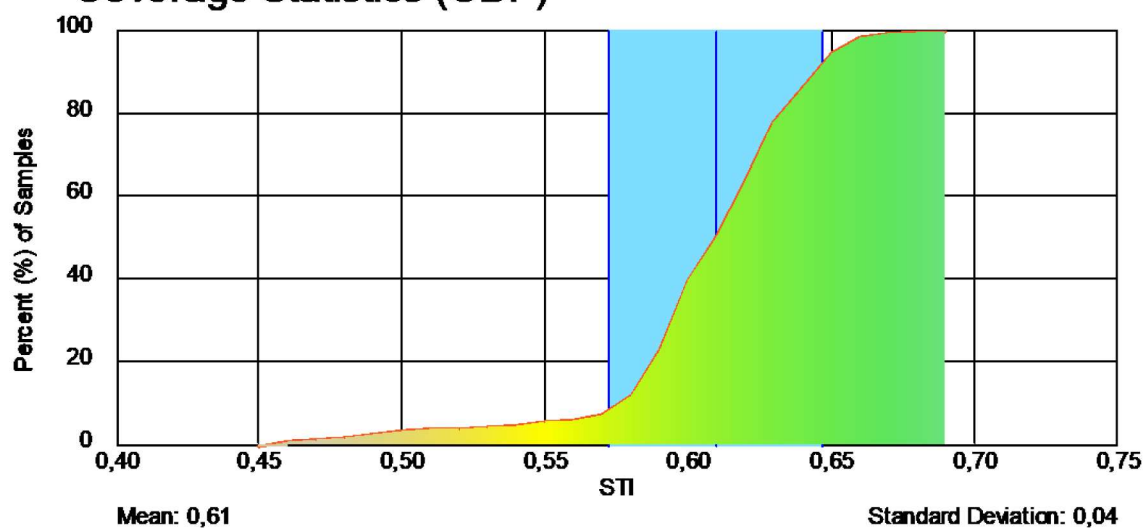
Coverage Statistics (PDF) 31 Hz - 16 kHz



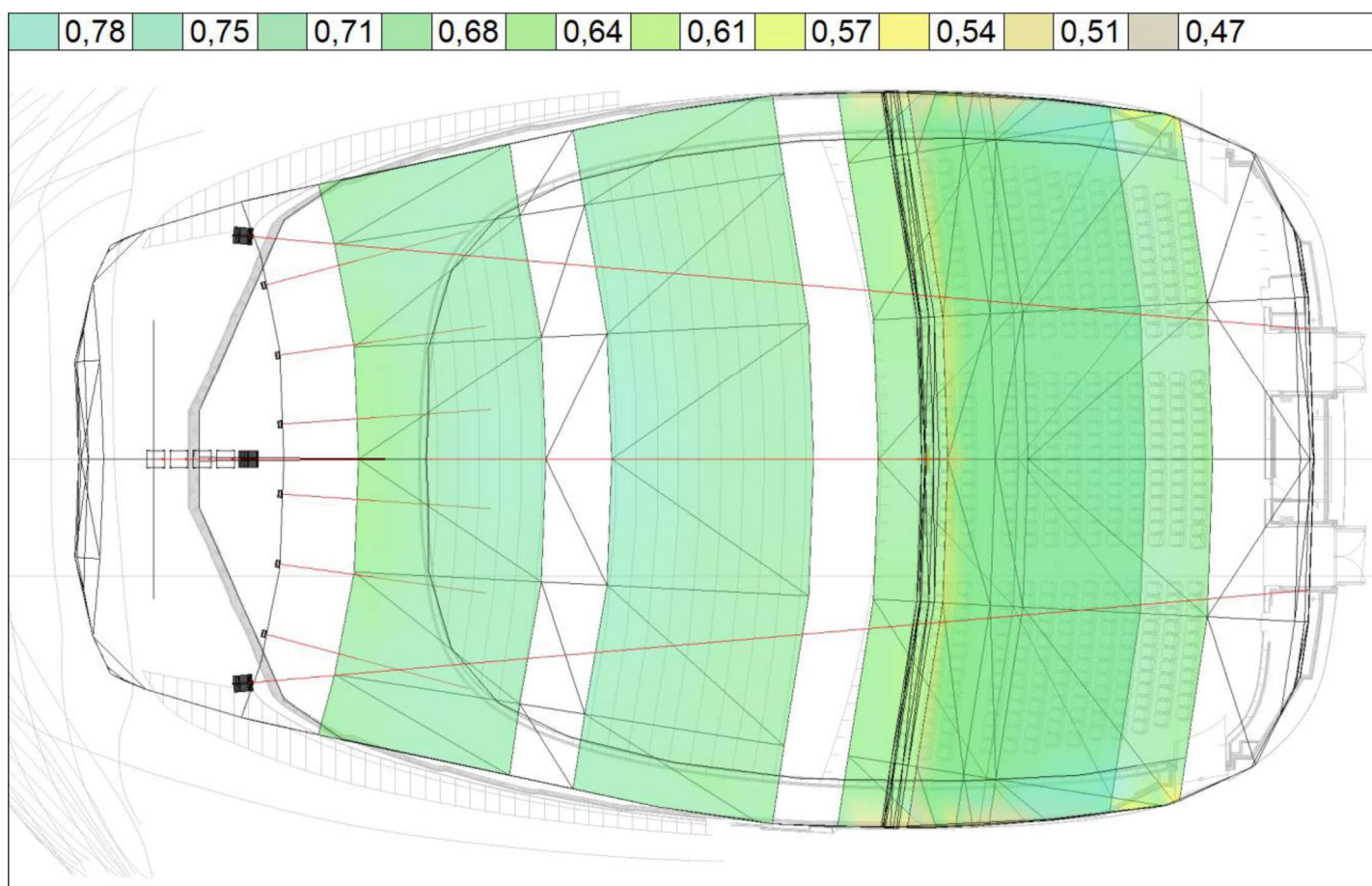
*Massima pressione dBSPL totale (diretta + riflessa) fullrange
(31Hz-16kHz, crest factor 6dB)*



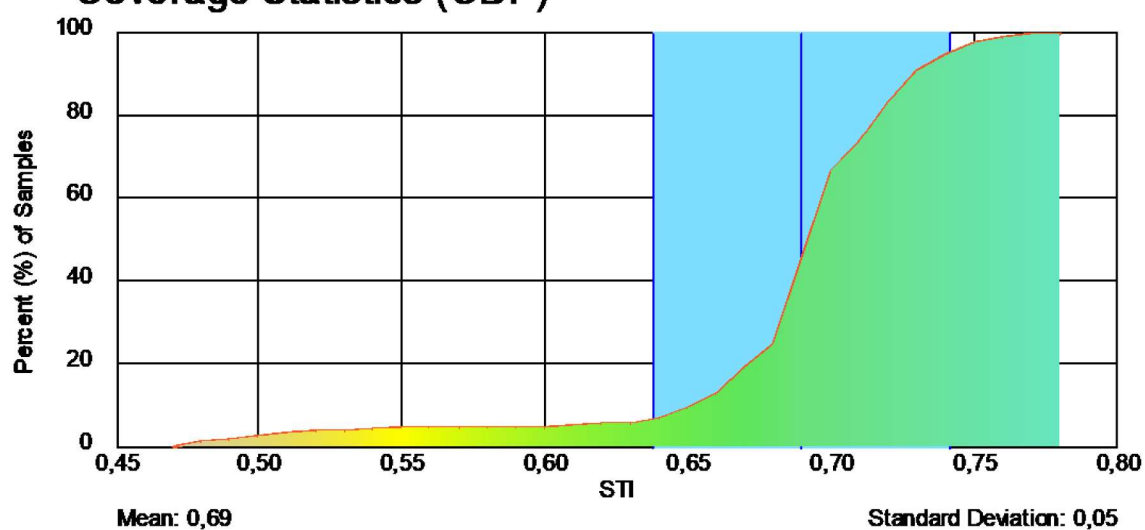
Coverage Statistics (CDF) -



*Indice di trasmissione del parlato STI (metodo 2019)
@85dBSPL totali, sala vuota*



Coverage Statistics (CDF) -



*Indice di trasmissione del parlato STI (metodo 2019)
@85dBSPL totali, sedute completamente occupate*