



# Cubicle Sound Test

46000 - FC System#

UGO BASILE s.r.l.

### Purpose of the Test:

The purpose of the test is measure of the soundproofing efficacy of the Cubicle, in order to evaluate the sound interaction between two Cubicles positioned nearby.

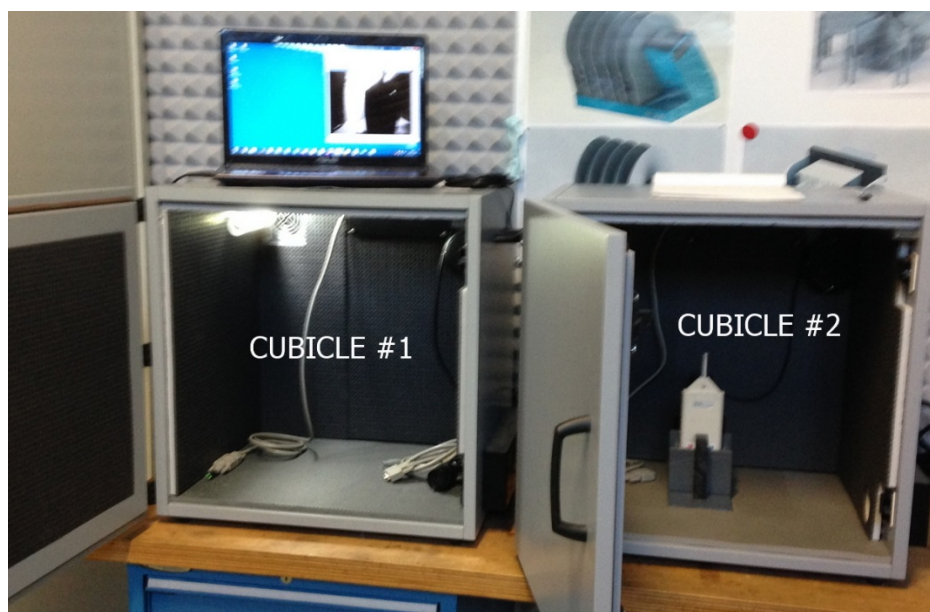
### Test environment:

The test has been conducted in our soundproof room, using a phonometer MITEK MK5350, with the following settings:

- Range = Low
- Response = Fast.

The phonometer is calibrated and certified.

Cubicle #1 and #2 have been placed at 15cm distance:

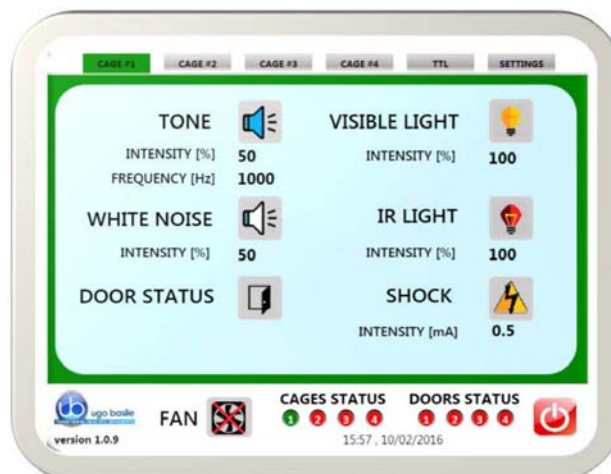


By using the Touch Screen Controller, we have generated a tone in Cubicle #1 and measured the intensity in Cubicle #2.

- Tone intensity = 100%
- Frequency = 500, 1000, 4000 & 8000Hz

Cubicle #1 FAN = OFF  
Inner sound level = 59□61dB

Cubicle #2 FAN = OFF  
Inner sound level = 59□61dB



**Test results:**

Cubicle #1			Cubicle #2
Tone intensity [%]	Tone Frequency [Hz]	Measured sound level [dB] *	Measured sound level [dB] *
100	500	105 ±1	63 ±1
100	1000	101 ±1	62 ±1
100	4000	107 ±1	61 ±1
100	8000	100 ±1	62 ±1

(\*) The sound measures are an average value calculated on 10 samples.

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