



ESQL Judgebook 2014/2015



written by
Prapasakorn Bhucksasri

The **ESQL** competition format was formed by EMMA Philippines and EMMA Thailand to open a competition arena for those who enjoy listening to good sound quality outside their cars.

The competition consists an SPL measurement with open doors like in EMMA ESPL.

Installation is also required but with less degree than ESPL and of course a sound quality judging outside the car. The Sound Quality judging contains Tonal Accuracy and Spectral Balance according to the EMMA SQ requirement. In addition the Listening Pleasure will be judged with a track chosen by the competitor.

Class and Categories

1. Advanced Trunk 2w 4w and T unlimited
2. Master R unlimited
3. Master B unlimited
4. Master Unlimited

The rules for classification are the same like for ESPL described in the official EMMA Rulebook

SPL for ESQL

SPL Measuring Procedure

The Event director or Head judge will announce which track will be used for ESPL/ESQL competition on the competition day. Except the Grand Final where the tracks to be used will be announced at least 1 week before the competition day.

Open Doors Measuring

Both doors must be completely open. The chosen Measurement track must play continuously for 30 seconds without stopping rewinding. All musical frequencies must be heard by the judges outside the car, otherwise 10 points will be deducted .

If the competition takes place outdoor, the engine might run during the measuring but must not exceed 2000 RPM.

The Microphone or sensor will be placed by the judges and must be certain that it is facing to the front of the car. The Competitor is not allow to touch it.

The Voltage should be checked at the amplifiers before starting the measurement and should not be higher than 14.6V except in unlimited class.

There is no limitation for SPL measurement results in all classes. The result will be counted as measured

Microphone Position



1. The Mic will be placed on the driver seat which must be in a reasonable driving position. Competitor must be able to sit and drive the car by holding steering wheel pressing gas, clutch and brakes and still able to see measuring devices. Seat back is not allowed to fold forward.
2. The Mic. will be placed horizontal approx 65 cm. above the seat. The Mic. cable will be routed out the door by judge. Only Official measuring device will be used. No special device of any kind is allowed.

Rules to take care of!

1. Only the owner of the car or competitor will be operating the volume
2. The volume is only controlled by the owner or presenter of the competition vehicle
3. The judges will not adjust any volume control, track selection control and head unit power switch.
4. Only the official EMMA ESPL judging CD is to be used for the judging process and the announced track will be played
5. The maximum voltage is 14,6 Volts with engine running, except in Unlimited class
6. A maximum of two (2) physical amplifier-channels for each physically installed woofer is allowed, except in Unlimited Class
7. Cars with modified **active equipment** must compete in Unlimited Class
8. In some EMMA ESPL categories it is requested that subwoofers including enclosures, ports, etc. must be installed in the trunk area (rear seat can be taken out or retracted as long as it is not modified) and /or not higher than the top of the original rear seat with a maximum not higher than the top of the original rear seat (not headrests!), otherwise the car must be in its respected category.
9. A front system must be installed and play audible music during measurement, **if the front system is not audible there will be a 10 point deduction.** It should be installed according to the official EMMA Rulebook. If the front system is installed in another or even dangerous way the car has to compete in Unlimited

10. The competitor is responsible for his/her equipment and EMMA takes over no responsibility or guarantees in case of any damage to the sound system or the vehicle.
11. It is the competitor's decision if he/she sits inside the car during the judging process. EMMA is not responsible for damages to the health of the competitor but strongly recommends being careful!!!
12. The vehicle must be shown to the public after the measurement is finished. The organizers will point out an area for presentation. In that case the cars must be presented to the public. If the presentation does not happen the judge or Event Director will take back the 10 points from presentation to the public .
13. Only officially registered cars are allowed to compete and they must be able to be driven inside and outside the judging area by using their own engine.
14. No additional power supplies are allowed to be connected **to the mains** during the measurement process => no external power supply
15. All competitor cars must have driver and passenger side seats installed in original condition or similar (sport seats, etc.).
16. All components of the audio-system have to be installed into the vehicle – trailers etc. are not allowed
17. During the measurement only the person that would operate the volume is allowed inside the car. No one should block the two front doors during this time.
18. Additional batteries are allowed to be installed and must be properly mounted and fused.
19. The source unit must be installed properly into the car or mounting rack outside the car is accepted.
20. If during measurement the head unit stops/blocks/jumps, the system or a component of the system fails/breaks down, etc. the competitor has a second chance to start over after 2 minutes. The same if he used accidentally another
21. Only the official designated EMMA ESPL tracks will be used for measuring SPL
22. A Passive membrane is not counted as speaker.

Installation for ESQ

Installation judging should be done after measuring SPL. The Competitor will show the judge their installation of the CarMedia system. The judge will score and explain immediately their scores to the competitor.

Outside Sound Quality

The two Judges will be standing in a distance of 5 to 15 meters from the car as on the competitors request.

Tracks used for competition

1. EMMA ESPL CD Track using for SPL section will be drawn at the beginning of the competition day or earlier.
2. Use EMMA SQ CD track 11 for Tonal accuracy score and 12 for Spectral balance.
3. **The extra Musical track will be used for Listening Pleasure scoring and public enjoyment. The Competitor is allowed to chose a music track, but this musical track must be in good manner. It must not be lewd or lyrics suggestive. The Competitor may have a performance during playing extra track. The length of the extra track/performance is limited to 5 minutes unless otherwise announced.**
4. For the 3rd. Track the competitor will receive scores for Listening pleasure and also score for Public enjoyment in a total of 6 points. The competitor may earn max of 2 points for originality, 2 points for effects and coordination, 2 points for overall effort.

The winners

Competitor with the highest total points win. In case of a tie, will be decided in order by

- A. Total of Tonal and Spectral balance WINS. If still a tie
- B. Highest Score of Open door measurement WINS. If still a tie
- C. The competitor with highest Tonal score WINS. If still a tie
- D. The competitor with highest Listening Pleasure WINS.

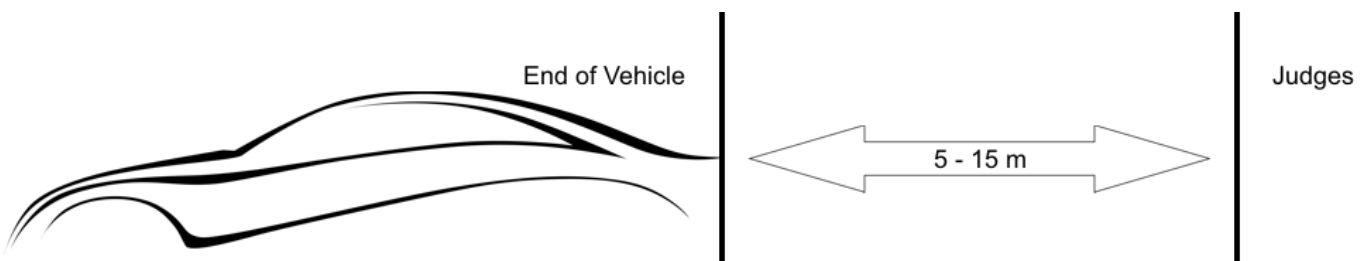
If still a tie

- E. Measurement of Open door would be measured again among competitors who tied and a new track would be given to rejudge again.

Position of SQ judge

Cars can be positioned in anyways as long as it will be within the 5 meter line.

Competitors can choose in between 5m to 15m and choose if it should be judged standing or sitting (provided with a seat in a comfortable way).



Further Information and Ideas can be shared with Prapasakorn Bhucksasri at prapasakorn@gmail.com or at the official EMMA Forum at www.carmediaworld.com



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