

Hyundai Mobis Co., Ltd.

203, Teheran-ro, Gangnam-gu, Seoul, Republic of Korea

Date: November 4, 2024

To:

Federal Communications Commission 7435
Oakland Mills Road
Columbia, MD 21046

To Whom It May Concern,

Class II permissive change (C2PC)

FCC ID: TQ8-ICR010

We, Hyundai Mobis Co., Ltd. request Class II permissive change (C2PC) since an authorized product (FCC ID: TQ8-ICR010) is changed the separation distance from all persons.

Before	After
20 cm	2 mm

- There is no software and rf characteristics change.
- All hardware is identical.
- Please see the Annex I about new condition of installation.

If you have questions or need further information, please contact the undersigned.

Sincerely,



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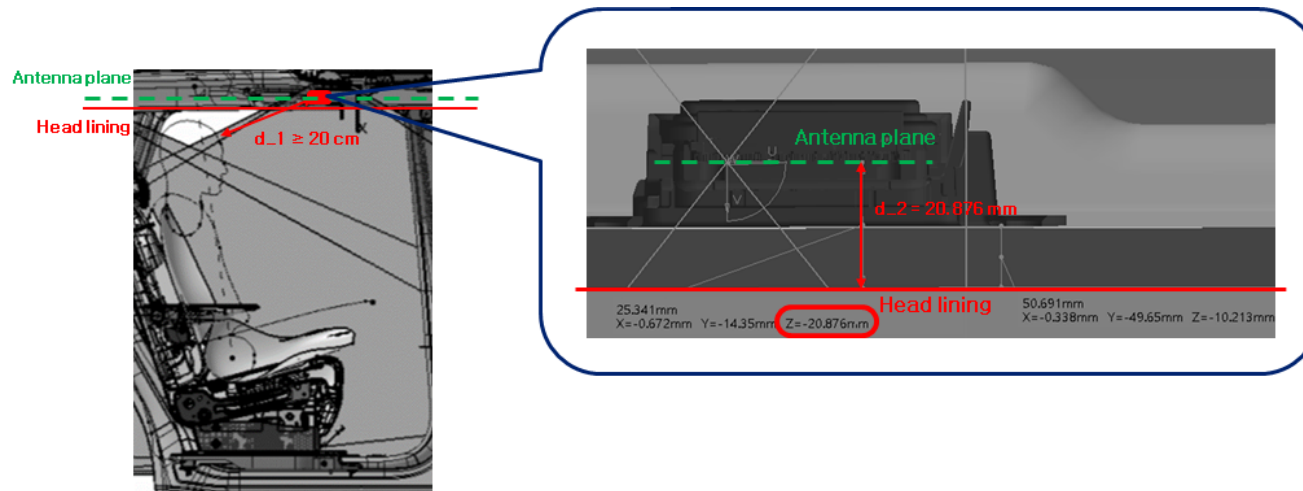
[Annex I] Installation - New condition

When *ICR010* (60 GHz Radar sensor) is installed behind of headliner under normal conditions, the distance of 20 cm between the antenna and the person is maintained.

However, the vehicle manufacturer wishes to add extremely extreme conditions where a tall adult can touch the vehicle ceiling.

Considering the thickness of the headliner and the antenna surface, the distance to the antenna when a person's head touches the ceiling becomes a minimum of about 2 cm (Please see [d_2](#) below)

We evaluated this by touching (2 mm) the SAR assessment to consider a worst-case scenario. Please refer to the SAR report.



d_1 (Normal distance): 20 cm or more

d_2 (Minimum distance): 20.876 mm (Worst vehicle type)