

Telecommunication Certification Body
UL International (UK) Ltd
Units 1-3, Horizon
Wade Road
Kingsland Business Park
Basingstoke
Hampshire
RG24 8AH
United Kingdom

Subject: RF Exposure Analysis – SAR Test Exemption – Smart Sensor 200 Series 60 GHz Radar

FCC ID: 2ANOS-S203

To whom it may concern

The “Smart Sensor 200 Series 60 GHz Radar” equipment is a radar sensor using FMCW operating in the 61.2 to 63.4 GHz frequency range.

The following FCC Rule Parts are applicable:

Part 2.1091 – Radiofrequency radiation exposure evaluation: mobile devices
Part 1.1307(b)(3)(i)(C) - SAR test exemption (ii)
Part 1.1307(b)(3)(i)(B) - MPE test exemption (iii)

For the “Smart Sensor 200 Series 60 GHz Radar”:

- Maximum Conducted power is -10 dBm (**0.1 mW**)
- Minimum separation distance to be considered (d) = 20cm (0.2m)

Evaluation

From Part 2.1093(c)(1), RF exposure exemption applies if the maximum transmitted power is less than the maximum of the following three criteria:

- Less than 1 mw Blanket exemption. $PTH = 0.001\text{ W}$ – §1.1307(b)(3)(i)(A)
- determination of exemption under the MPE-based §1.1307(b)(3)(i)(C), if i) not met
- determination of exemption under the SAR-based §1.1307(b)(3)(i)(B) if both i) and ii) are not met;

Conclusion

The “Smart Sensor 200 Series 60 GHz Radar” source-based, time-averaged power is less than 1mW, so complies with the RF exposure blanket exemption in accordance with §1.1307(b)(3)(i)(A).

Yours faithfully,

Name: Luca Salgarelli

Position: CEO

Signature

