

CHECKLIST FOR THE PAG REVIEW

RF Exposure Evaluation Policy for sources with frequency between 6000 MHz and 8500 MHz

1. For frequencies up to 8500 MHz provide spatial peak SAR evaluation based on IEC/IEEE 62209-1528:2020, along with applicable product-specific procedures among KDB Pubs. 648474, 616217, 941225. SAR test data shall account for device tune-up tolerance (that is referred to as "Reported SAR" in KDB 447498).
RE: Not applicable. When in use under normal operation conditions, the back side of the EUT is closest to the head of human. Therefore, a separation distance of 50mm was used for estimation. Has been evaluated using the determination of exemption in accordance with paragraph (b)(3)(i)(C) of FCC 47 CFR Part 1(1.1307. More details see page 14 of the MPE report (Report NO. S22102101906007).
2. This policy considers a device compliant for Equipment Authorization purposes, so long as the SAR evaluation of step 1. is within the same SAR limits that have been established for frequencies below 6000 MHz (e.g., 1.6 W/kg for 1-g average SAR). In this case, the SAR evaluations are taken as a conservative compliance demonstration to the MPE power density limits of 47 CFR 1.1310(d)(3).
RE: Not applicable. When in use under normal operation conditions, the back side of the EUT is closest to the head of human. Therefore, a separation distance of 50mm was used for estimation. Has been evaluated using the determination of exemption in accordance with paragraph (b)(3)(i)(C) of FCC 47 CFR Part 1(1.1307. More details see page 14 of the MPE report (Report NO. S22102101906007).
3. Documentation is required to support evaluation with MPE limits providing power density data in accordance with the following:
3.1 For the test configurations of step 1 having the highest SAR, evaluate Incident Power Density (IPD), using a suitable near-field probe and a total-field/power-density reconstruction method (e.g., as per methods in [Pfeiffer, 2019])
RE: Not applicable. When in use under normal operation conditions, the back side of the EUT is closest to the head of human. Therefore, a separation distance of 50mm was used for estimation. Has been evaluated using the determination of exemption in accordance with paragraph (b)(3)(i)(C) of FCC 47 CFR Part 1(1.1307. More details see page 14 of the MPE report (Report NO. S22102101906007).
3.2 Report estimated IPD measurement uncertainty (e.g., per methods of IEC/IEEE 63195-1:2022)
RE: Not applicable. When in use under normal operation conditions, the back side of the EUT is closest to the head of human. Therefore, a separation distance of 50mm was used for estimation. Has been evaluated using the determination of exemption in accordance with paragraph (b)(3)(i)(C) of FCC 47 CFR Part 1(1.1307. More details see page 14 of the MPE report (Report NO. S22102101906007).
3.3 Power density test data shall account for device tune-up tolerance
RE: Not applicable. When in use under normal operation conditions, the back side of the EUT is closest to the head of human. Therefore, a separation distance of 50mm was used for estimation.

Has been evaluated using the determination of exemption in accordance with paragraph (b)(3)(i)(C) of FCC 47 CFR Part 1(1.1307. More details see page 14 of the MPE report (Report NO. S22102101906007).

3.4 If supported by the test system, also report estimated Absorbed (epithelial) Power Density (APD) (e.g., as per method in [Samaras, 2021])

RE: Not applicable. When in use under normal operation conditions, the back side of the EUT is closest to the head of human. Therefore, a separation distance of 50mm was used for estimation. Has been evaluated using the determination of exemption in accordance with paragraph (b)(3)(i)(C) of FCC 47 CFR Part 1(1.1307. More details see page 14 of the MPE report (Report NO. S22102101906007).

4. The process of steps 1 to 4 shall be repeated for at least five channels, at the channel center frequency, selected to cover uniformly the largest frequency ranges used in the device, between 5925 MHz and 8500 MHz, and consistent with KDB Publication 248227 test configuration provisions.

RE: Not applicable. When in use under normal operation conditions, the back side of the EUT is closest to the head of human. Therefore, a separation distance of 50mm was used for estimation. Has been evaluated using the determination of exemption in accordance with paragraph (b)(3)(i)(C) of FCC 47 CFR Part 1(1.1307. More details see page 14 of the MPE report (Report NO. S22102101906007).

5. For the purpose of SAR test exemption, analyses of simultaneous transmission combinations of RF sources with frequencies from 4 MHz and 8500 MHz (where the lowest frequency is per KDB Publication 447498-D01 SAR evaluation requirements¹¹), may be performed according to the SPLSR approach (id.). Accordingly, no further compliance evaluation is needed for all antenna pairs for which the SPLSR exemption is applicable.

RE: Not applicable. When in use under normal operation conditions, the back side of the EUT is closest to the head of human. Therefore, a separation distance of 50mm was used for estimation. Has been evaluated using the determination of exemption in accordance with paragraph (b)(3)(i)(C) of FCC 47 CFR Part 1(1.1307. More details see page 14 of the MPE report (Report NO. S22102101906007).

6. For evaluations and test exemption analyses of simultaneous-transmission combinations of different RF sources, the procedure outlined above, for a single source between 6000 and 8500 MHz shall be included in the calculation of total exposure ratio (TER) as in KDB Pub. 447498-D01-Appendix C.

RE: Not applicable. When in use under normal operation conditions, the back side of the EUT is closest to the head of human. Therefore, a separation distance of 50mm was used for estimation. Has been evaluated using the determination of exemption in accordance with paragraph (b)(3)(i)(C) of FCC 47 CFR Part 1(1.1307. More details see page 14 of the MPE report (Report NO. S22102101906007).

7. Any source above 8500 MHz shall be evaluated via incident power density measurements.

RE: Not applicable. The device frequency range is 5955MHz to 7095MHz.